

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091518\
 Data File : VN051217.D
 Acq On : 15 Sep 2018 12:57
 Operator : MD\SY
 Sample : VN0915WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/18/2018 4:31:32 PM

Quant Time: Sep 17 03:05:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	715853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1031268	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	924613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	438956	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	390201	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
35) Dibromofluoromethane	7.59	113	380382	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
50) Toluene-d8	10.09	98	1339504	45.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.10%	
62) 4-Bromofluorobenzene	12.40	95	431173	44.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	129876	18.81	ug/l	98
3) Chloromethane	2.06	50	178910	19.74	ug/l	100
4) Vinyl Chloride	2.18	62	169956	17.94	ug/l	99
5) Bromomethane	2.56	94	100033	18.08	ug/l	98
6) Chloroethane	2.70	64	104247	17.82	ug/l	99
7) Trichlorofluoromethane	3.02	101	232106	18.49	ug/l	99
8) Diethyl Ether	3.41	74	90243	19.54	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	147736	18.25	ug/l	100
10) Methyl Iodide	3.95	142	114026	19.00	ug/l	99
11) Tert butyl alcohol	4.78	59	45310	74.46	ug/l	100
12) 1,1-Dichloroethene	3.74	96	130705	17.12	ug/l	98
13) Acrolein	3.61	56	30836	61.77	ug/l	98
14) Allyl chloride	4.32	41	210561	18.10	ug/l	99
15) Acrylonitrile	4.99	53	248344	92.11	ug/l	99
16) Acetone	3.82	43	175881	85.45	ug/l	99
17) Carbon Disulfide	4.05	76	405964	18.11	ug/l	99
18) Methyl Acetate	4.33	43	113698	17.82	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	384942	19.07	ug/l	99
20) Methylene Chloride	4.55	84	170355	19.36	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	147142	17.77	ug/l	98
22) Diisopropyl ether	5.95	45	477064	20.66	ug/l	97
23) Vinyl Acetate	5.90	43	1527768	97.76	ug/l	100
24) 1,1-Dichloroethane	5.85	63	279803	19.10	ug/l	98
25) 2-Butanone	6.84	43	262235	83.72	ug/l	100
26) 2,2-Dichloropropane	6.82	77	215158	17.94	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	173897	19.14	ug/l	99
28) Bromochloromethane	7.19	49	117425	18.01	ug/l	99
29) Tetrahydrofuran	7.22	42	175839	89.90	ug/l	99
30) Chloroform	7.37	83	289936	19.89	ug/l	99
31) Cyclohexane	7.65	56	233175	17.70	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	234413	18.87	ug/l	99
36) 1,1-Dichloropropene	7.79	75	202530	17.89	ug/l	99
37) Ethyl Acetate	6.93	43	122049	18.61	ug/l	99
38) Carbon Tetrachloride	7.77	117	206580	18.54	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	220727	17.67	ug/l	98
40) Benzene	8.04	78	652272	19.12	ug/l	98
41) Methacrylonitrile	7.18	41	62943	18.60	ug/l	93
42) 1,2-Dichloroethane	8.12	62	201015	20.21	ug/l	99
43) Isopropyl Acetate	8.17	43	215159	18.60	ug/l #	89
44) Trichloroethene	8.84	130	172064	18.44	ug/l	99
45) 1,2-Dichloropropane	9.12	63	174974	19.85	ug/l	96
46) Dibromomethane	9.21	93	104828	19.49	ug/l	99
47) Bromodichloromethane	9.40	83	221158	20.22	ug/l	100
48) Methyl methacrylate	9.20	41	102153	18.12	ug/l	97
49) 1,4-Dioxane	9.20	88	29712	336.03	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	584004	91.27	ug/l	100
52) Toluene	10.16	92	402764	19.36	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	213750	19.53	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	254108	19.80	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	149729	19.81	ug/l	99
56) Ethyl methacrylate	10.43	69	173447	18.72	ug/l	99
57) 1,3-Dichloropropane	10.71	76	246672	19.69	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	325543	86.93	ug/l	100
59) 2-Hexanone	10.75	43	362084	83.44	ug/l	98
60) Dibromochloromethane	10.90	129	170316	19.99	ug/l	98
61) 1,2-Dibromoethane	11.01	107	145347	19.67	ug/l	99
64) Tetrachloroethene	10.63	164	157594	18.68	ug/l	98
65) Chlorobenzene	11.43	112	442381	18.98	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	167279	19.93	ug/l	98
67) Ethyl Benzene	11.51	91	703989	18.65	ug/l	99
68) m/p-Xylenes	11.62	106	565835	39.02	ug/l	99
69) o-Xylene	11.95	106	275006	19.58	ug/l	99
70) Styrene	11.96	104	431006	19.79	ug/l	99
71) Bromoform	12.13	173	115675	19.58	ug/l #	100
73) Isopropylbenzene	12.25	105	694155	18.86	ug/l	100
74) N-amyl acetate	12.07	43	155277	16.76	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	176275	19.91	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	140416m	19.73	ug/l	
77) Bromobenzene	12.53	156	185742	18.79	ug/l	98
78) n-propylbenzene	12.59	91	765489	18.92	ug/l	99
79) 2-Chlorotoluene	12.67	91	473473	18.72	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	577194	19.39	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	40033	17.32	ug/l	96
82) 4-Chlorotoluene	12.77	91	459535	18.30	ug/l	99
83) tert-Butylbenzene	12.99	119	484915	18.46	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	574465	19.63	ug/l	99
85) sec-Butylbenzene	13.17	105	629692	18.69	ug/l	100
86) p-Isopropyltoluene	13.29	119	549795	19.24	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	298331	17.78	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	287990	18.71	ug/l	99
89) n-Butylbenzene	13.62	91	390903	17.58	ug/l	99
90) Hexachloroethane	13.87	117	101517	19.13	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	291175	17.81	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21832	17.79	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	100538	15.70	ug/l	98
94) Hexachlorobutadiene	15.01	225	96580	19.19	ug/l	99
95) Naphthalene	15.13	128	175995	14.86	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	104054	15.92	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

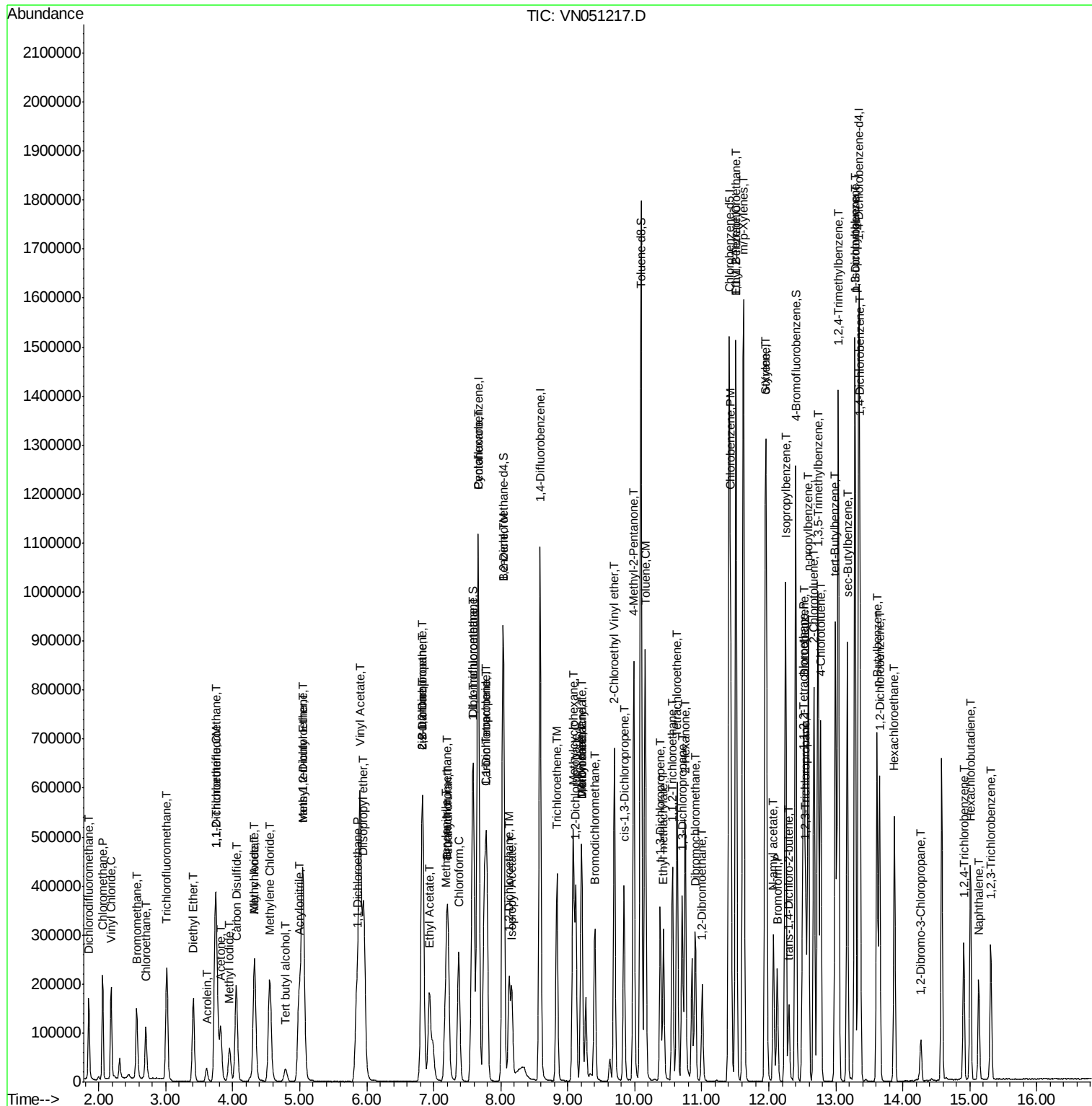
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Data File : VN051217.D
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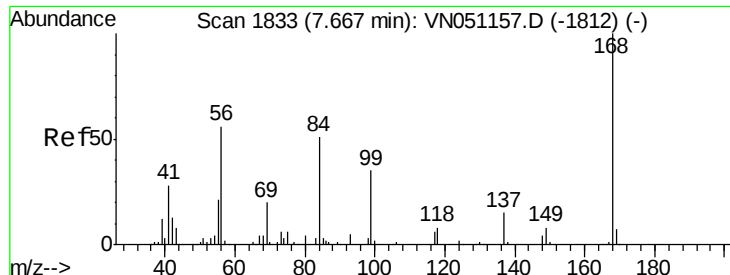
Instrument :
MSVOA_N
Client Sample Id :
VN0915WBS01

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051217.D

Acq: 15 Sep 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tot Ion:168 Resp: 715853

Ion Ratio Lower Upper

168 100

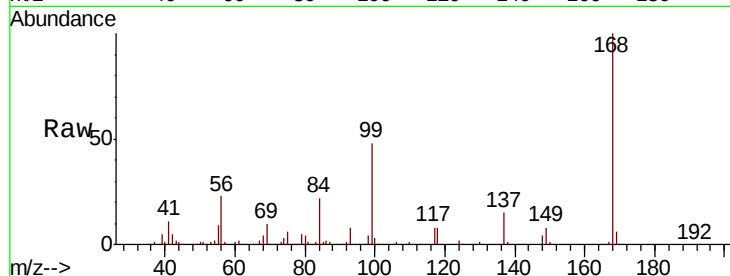
99 47.7 38.3 57.5

Manual Integrations

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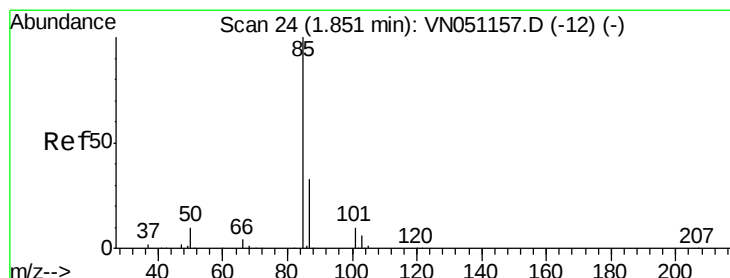
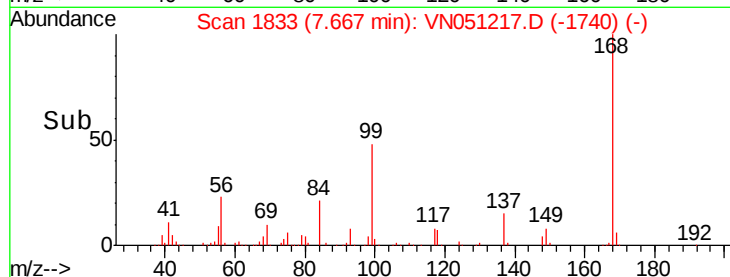
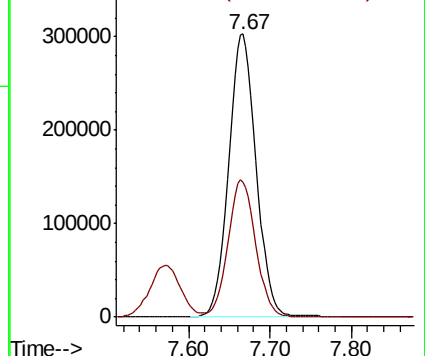
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.81 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051217.D

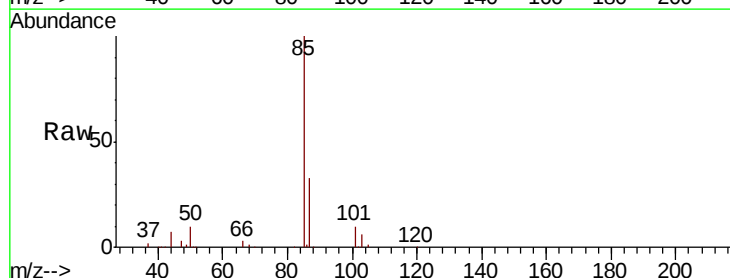
Acq: 15 Sep 2018 12:57

Tgt Ion: 85 Resp: 129876

Ion Ratio Lower Upper

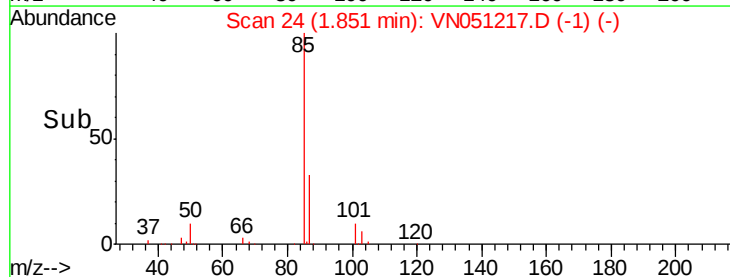
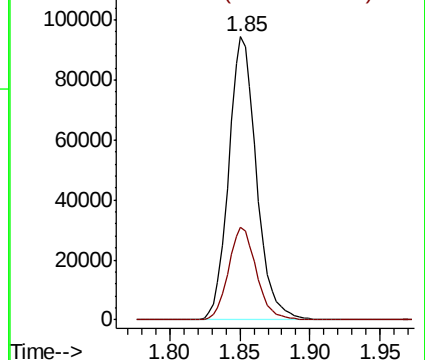
85 100

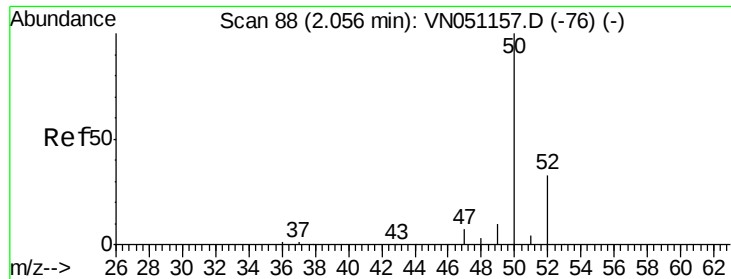
87 32.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.74 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051217.D

Acq: 15 Sep 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tot Ion: 50 Resp: 178910

Ion Ratio Lower Upper

50 100

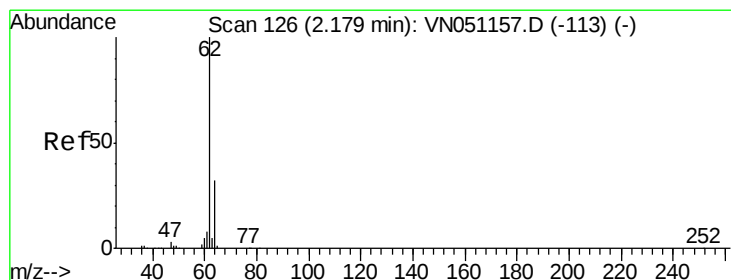
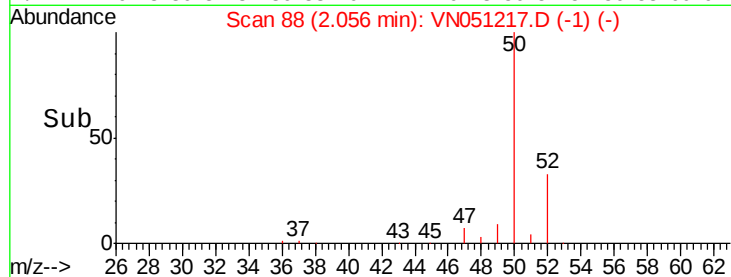
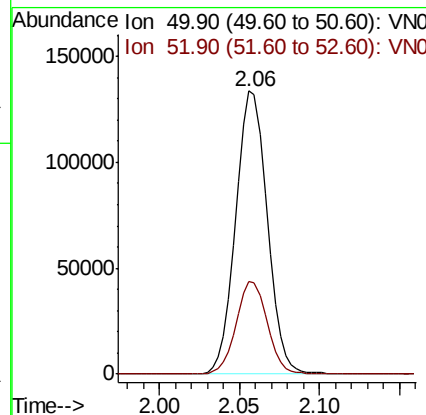
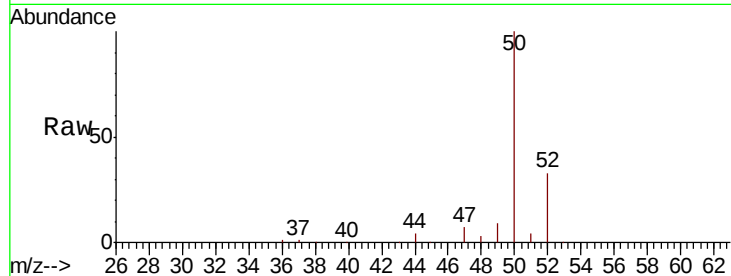
52 32.8 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.94 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051217.D

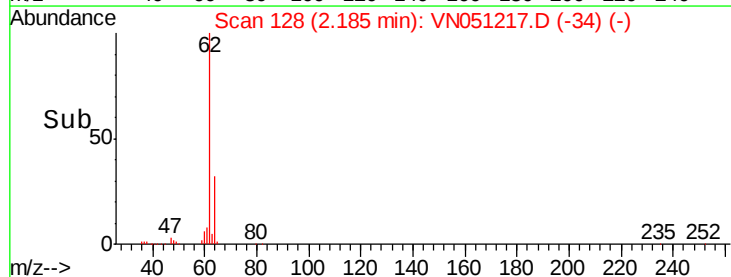
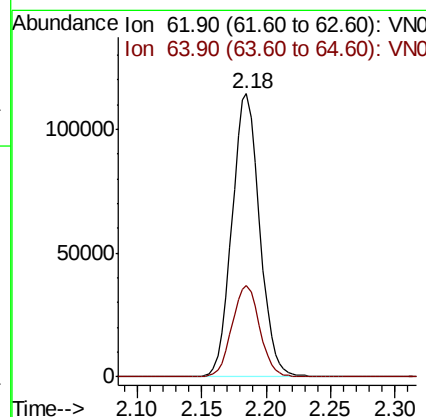
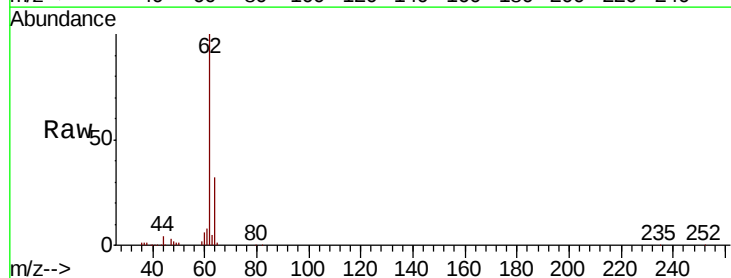
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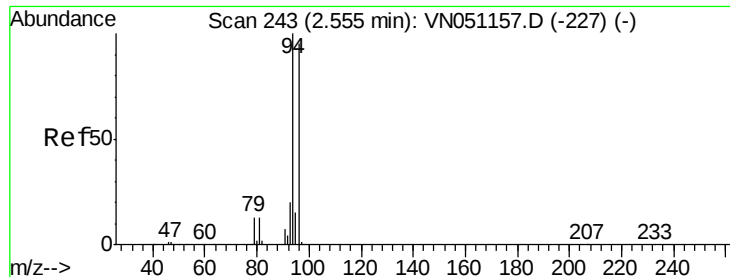
Tgt Ion: 62 Resp: 169956

Ion Ratio Lower Upper

62 100

64 32.3 26.2 39.4





#5

Bromomethane

Concen: 18.08 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051217.D

Acq: 15 Sep 2018 12:57

Instrument :

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VN0915WBS01

Tot Ion: 94 Resp: 100033

Ion Ratio Lower Upper

94 100

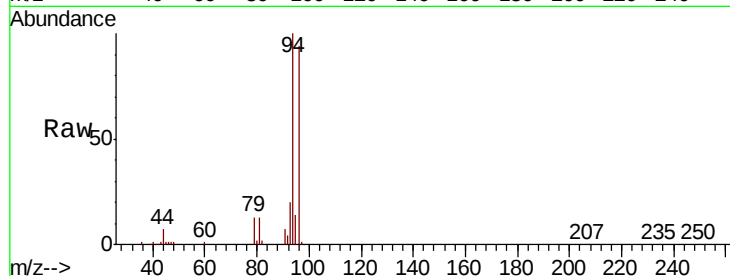
96 93.2 75.9 113.9

Manual Integrations

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9/18/2018 4:31:32 PM



Abundance Ion 93.90 (93.60 to 94.60): VN051217.D (-153) (-)

Ion 95.90 (95.60 to 96.60): VN051217.D (-153) (-)

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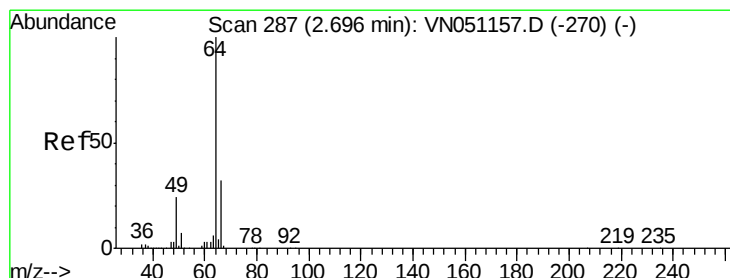
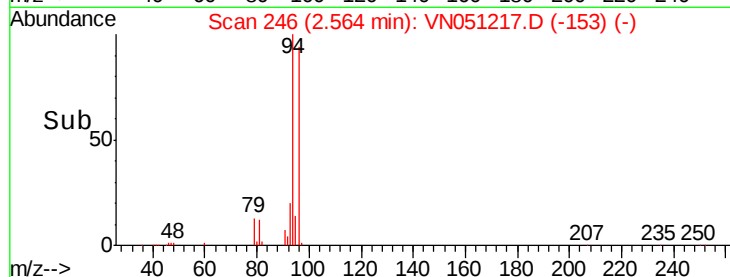
2.56

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#6

Chloroethane

Concen: 17.82 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051217.D

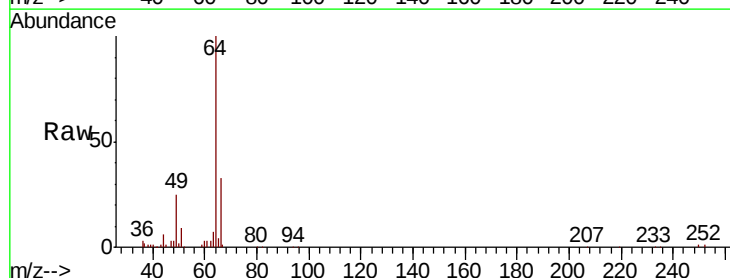
Acq: 15 Sep 2018 12:57

Tgt Ion: 64 Resp: 104247

Ion Ratio Lower Upper

64 100

66 33.0 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN051217.D (-195) (-)

Ion 65.90 (65.60 to 66.60): VN051217.D (-195) (-)

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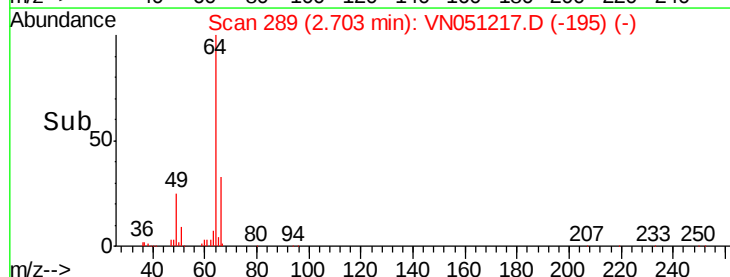
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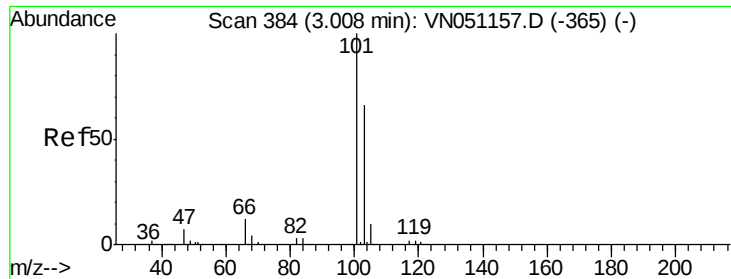
2.70

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Time-->



#7

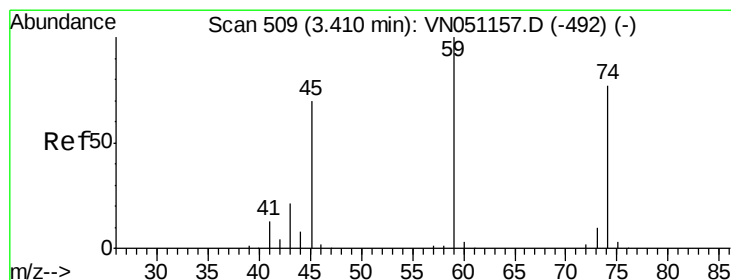
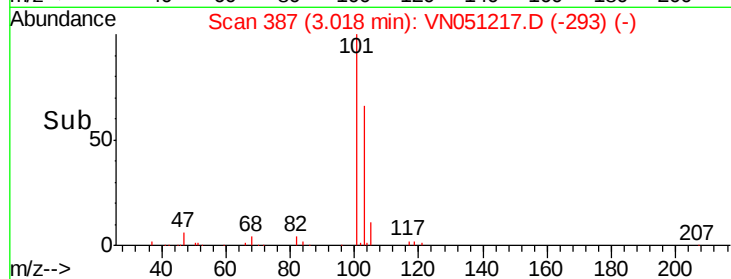
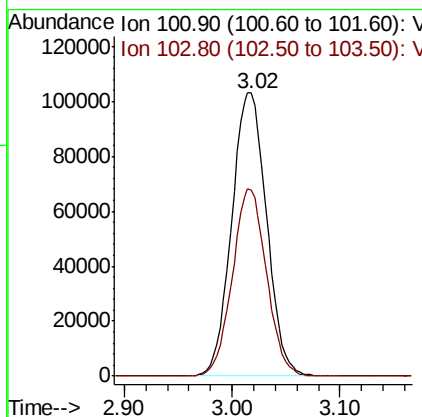
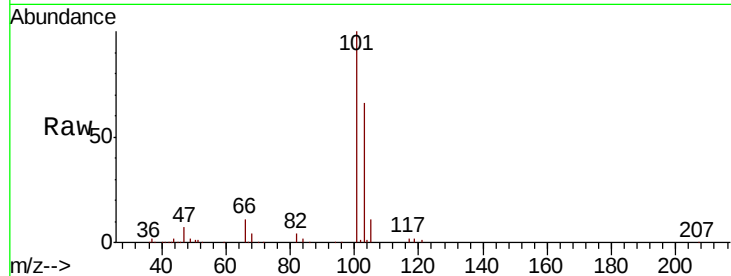
Trichlorofluoromethane
 Concen: 18.49 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		232106		
103	65.9	52.4	78.6		

Manual Integrations
 APPROVED

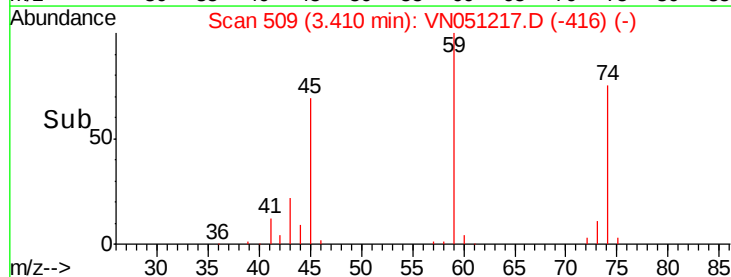
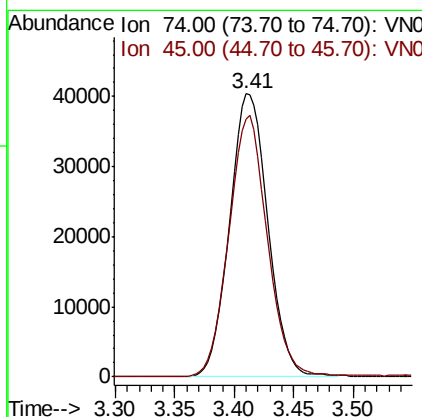
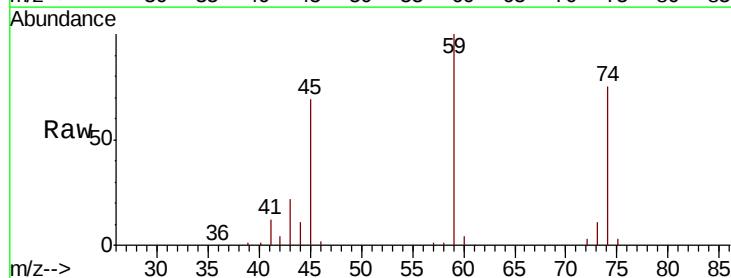
MMDadoda
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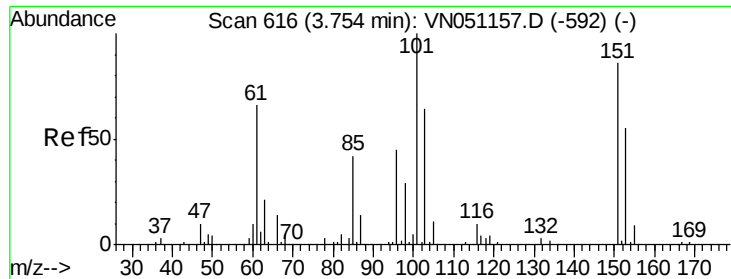


#8

Diethyl Ether
 Concen: 19.54 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051217.D
 Acq: 15 Sep 2018 12:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		90243		
45	93.0	46.7	140.0		





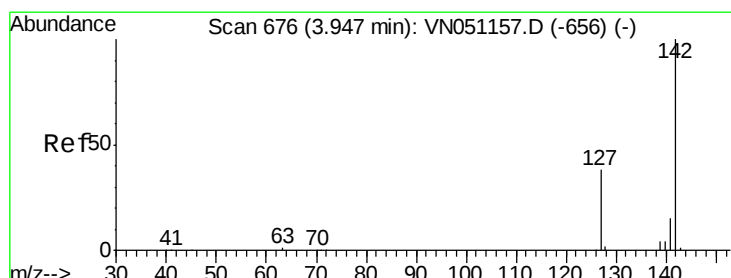
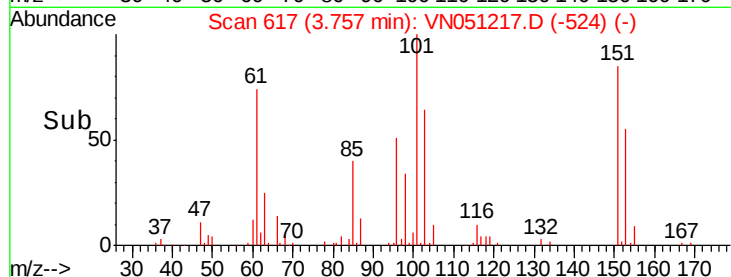
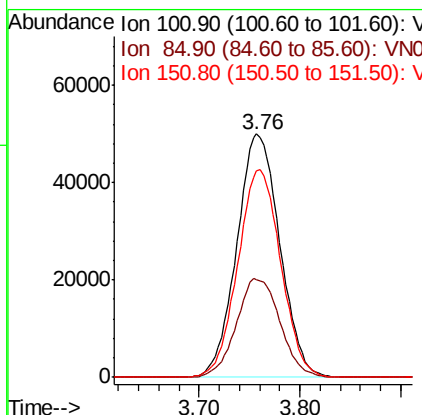
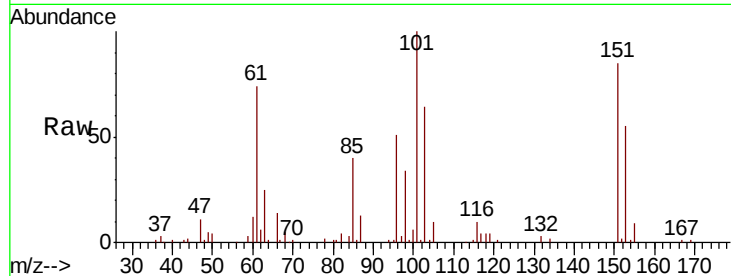
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.25 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. -0.00 min
 Lab File: VN051217.D
 Acq: 15 Sep 2018 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	41.2	33.3	49.9
151	85.2	68.2	102.2

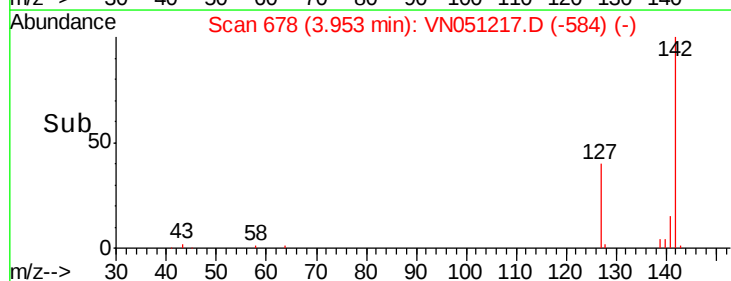
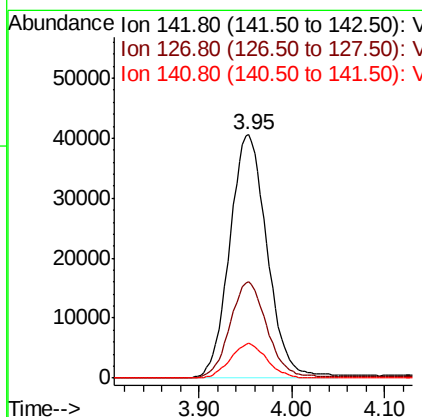
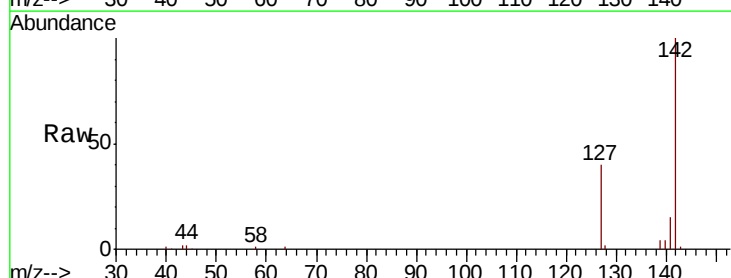
Manual Integrations
 APPROVED

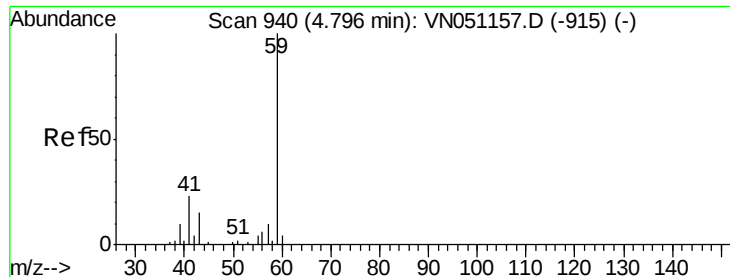
MMDadoda
 9/18/2018 4:31:32 PM



#10
 Methyl Iodide
 Concen: 19.00 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN051217.D
 Acq: 15 Sep 2018 12:57

Tgt Ion	Ratio	Lower	Upper
142	100		
127	39.4	31.0	46.4
141	13.9	11.3	16.9





#11

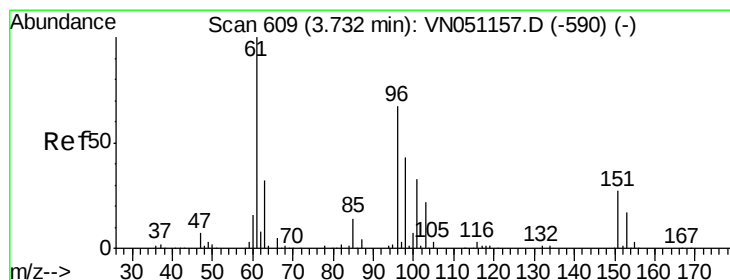
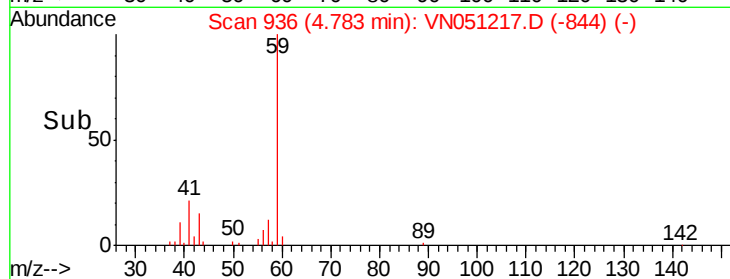
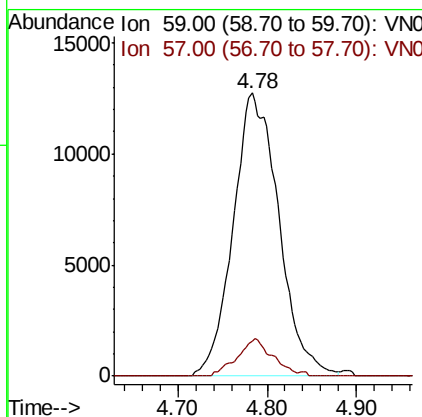
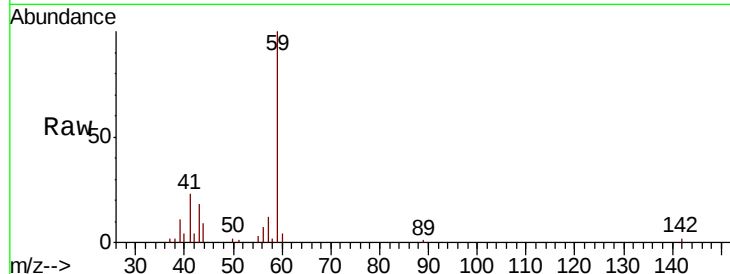
Tert butyl alcohol
Concen: 74.46 ug/l
RT: 4.78 min Scan# 936
Delta R.T. -0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Instrument :
MSVOA_N
ClientSampled :
VN0915WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1

Manual Integrations
APPROVED

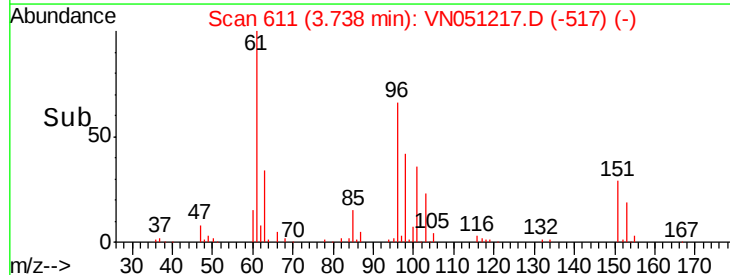
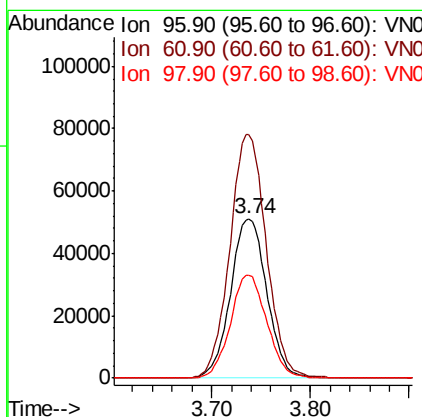
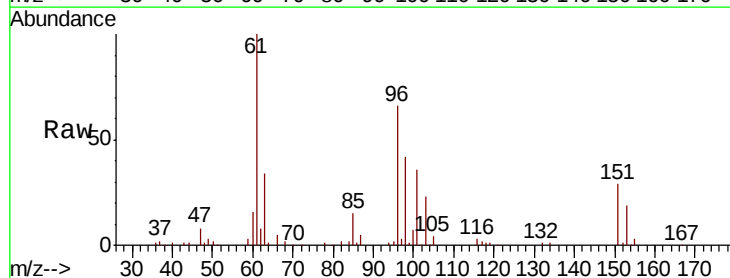
MMDadoda
9/18/2018 4:31:32 PM

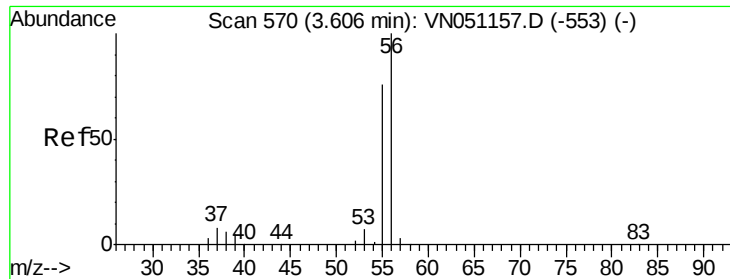


#12

1,1-Dichloroethene
Concen: 17.12 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.6	120.3	180.5
98	64.7	50.8	76.2





#13

Acrolein

Concen: 61.77 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051217.D

Acq: 15 Sep 2018 12:57

Instrument :

MSVOA_N

ClientSampled :

VN0915WBS01

Tot Ion: 56 Resp: 30836

Ion Ratio Lower Upper

56 100

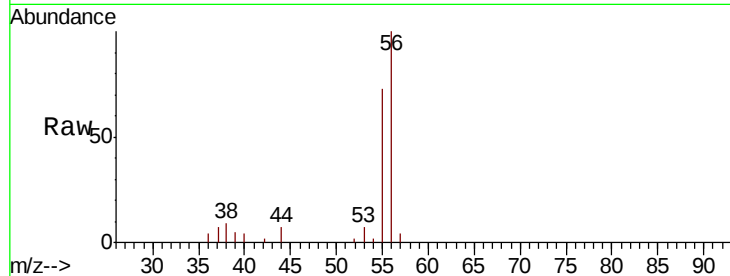
55 74.3 58.0 87.0

Manual Integrations

APPROVED

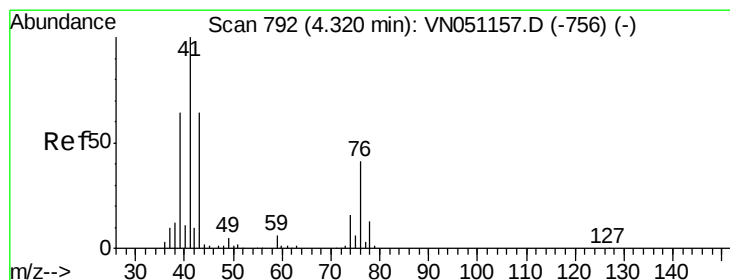
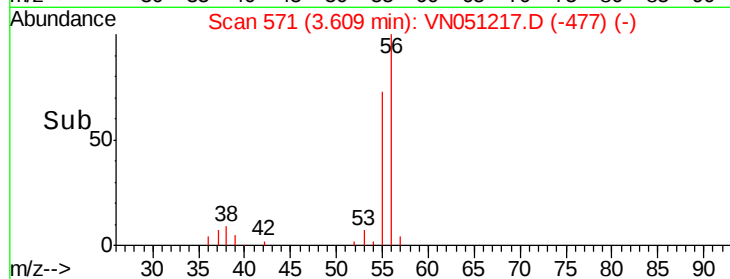
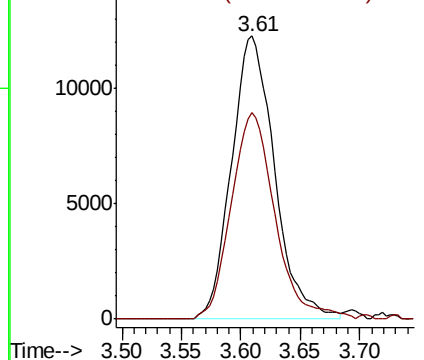
MMDadoda

9/18/2018 4:31:32 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.10 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051217.D

Acq: 15 Sep 2018 12:57

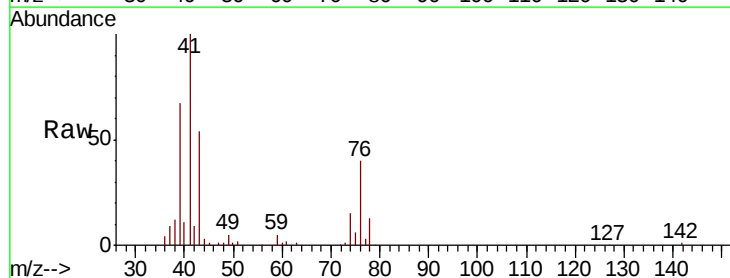
Tgt Ion: 41 Resp: 210561

Ion Ratio Lower Upper

41 100

39 62.0 48.8 73.2

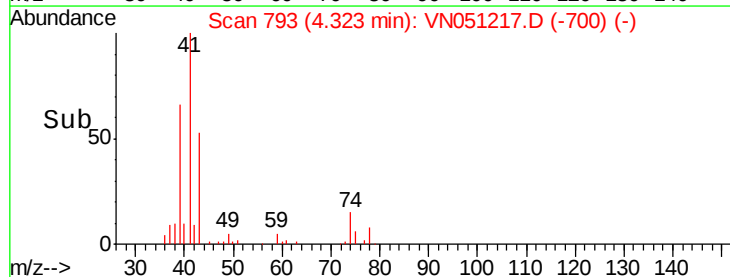
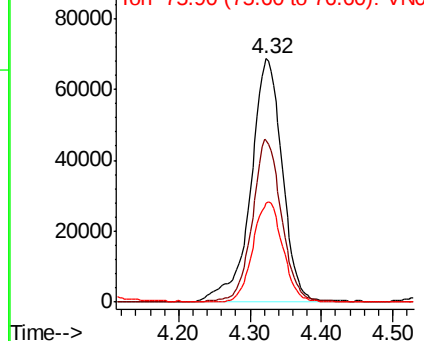
76 38.3 30.6 45.8

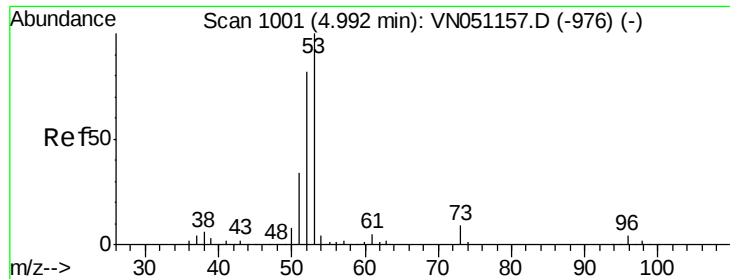


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 92.11 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051217.D

Acq: 15 Sep 2018 12:57

Instrument :

MSVOA_N

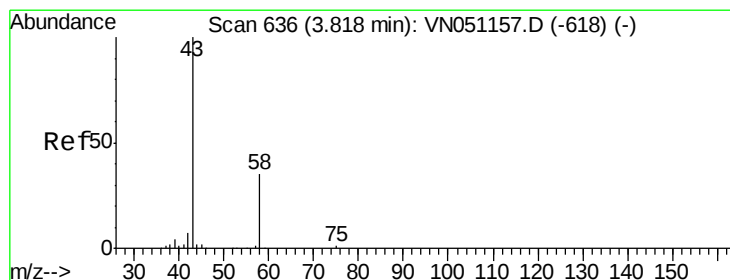
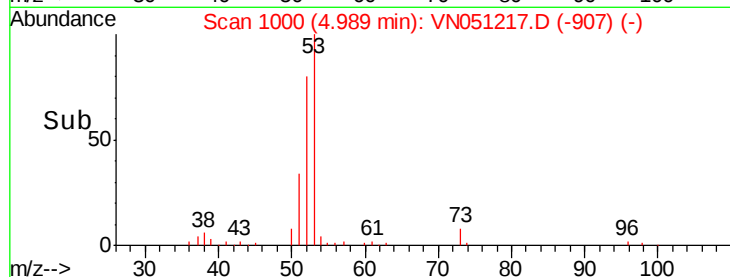
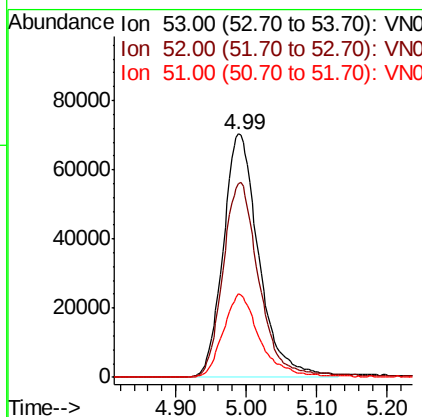
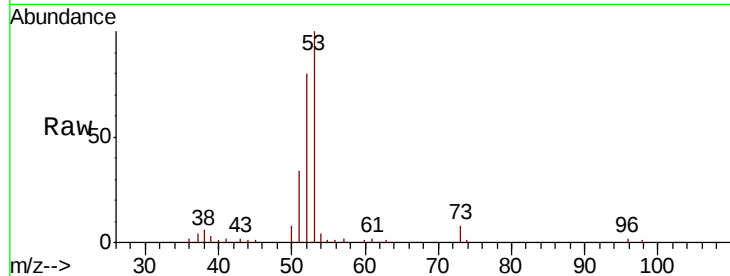
ClientSampleId :

VN0915WBS01

Tot Ion:	53	Resp:	248344
Ion	Ratio	Lower	Upper
53	100		
52	80.0	65.3	97.9
51	35.2	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 85.45 ug/l

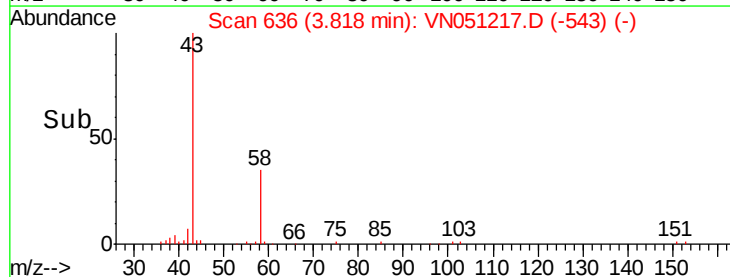
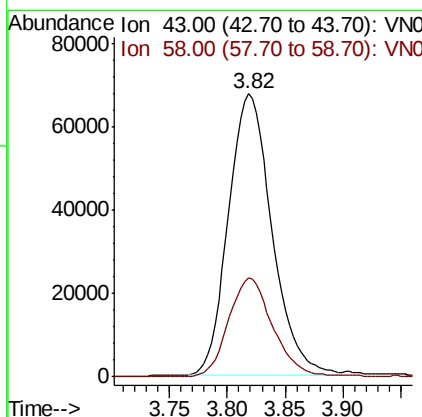
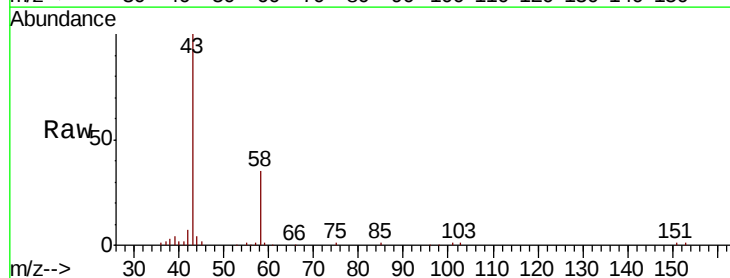
RT: 3.82 min Scan# 636

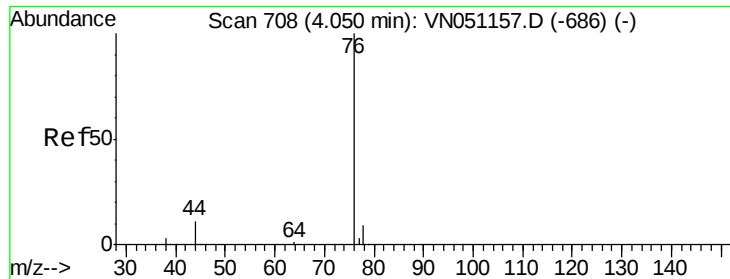
Delta R.T. 0.00 min

Lab File: VN051217.D

Acq: 15 Sep 2018 12:57

Tgt Ion:	43	Resp:	175881
Ion	Ratio	Lower	Upper
43	100		
58	35.0	27.8	41.6





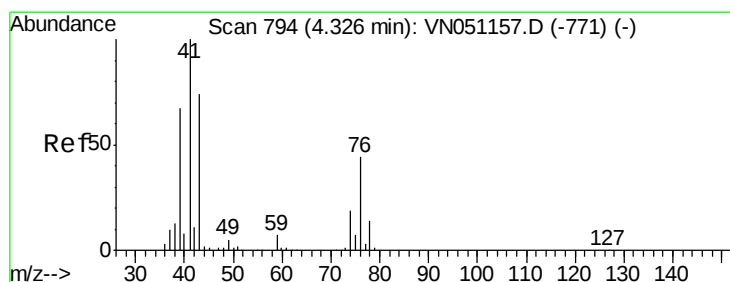
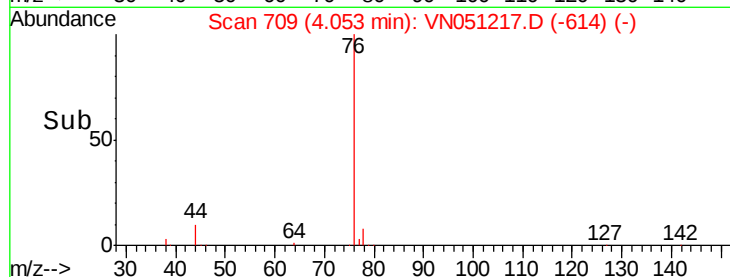
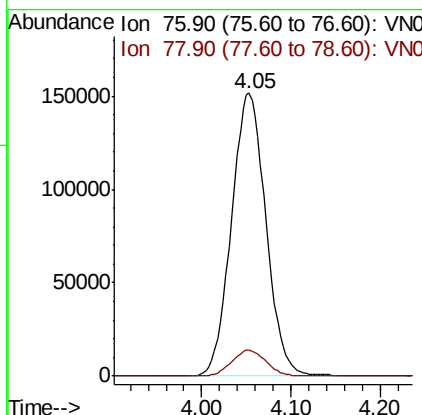
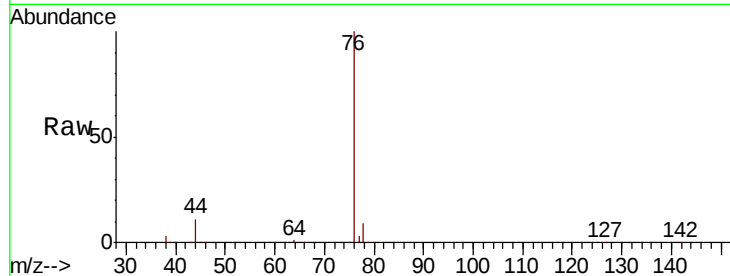
#17
Carbon Disulfide
Concen: 18.11 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

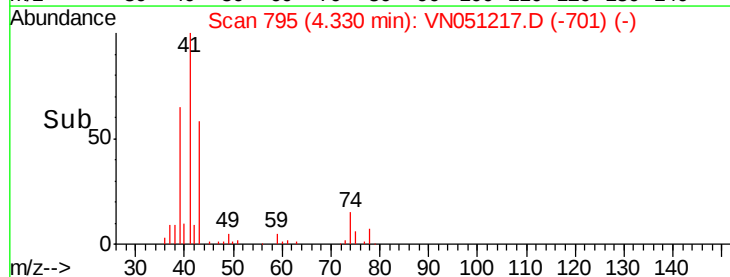
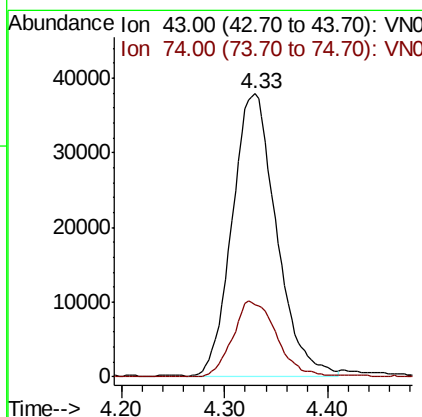
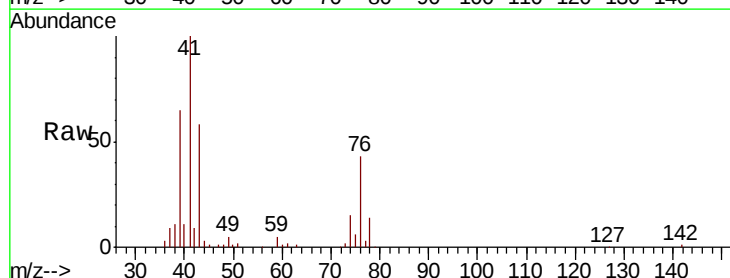
Manual Integrations
APPROVED

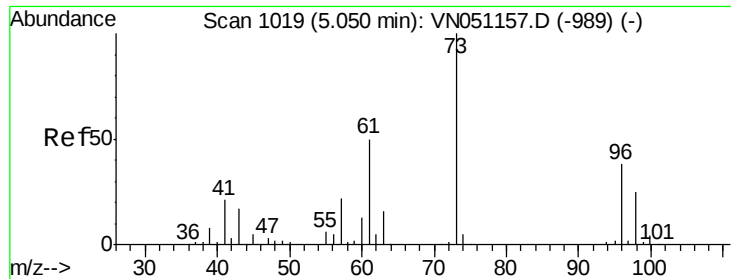
MMDadoda
9/18/2018 4:31:32 PM



#18
Methyl Acetate
Concen: 17.82 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.4	20.7	31.1





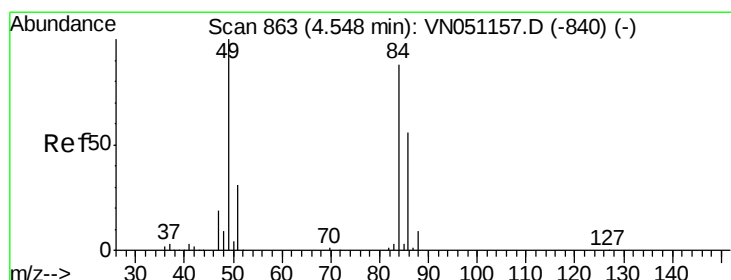
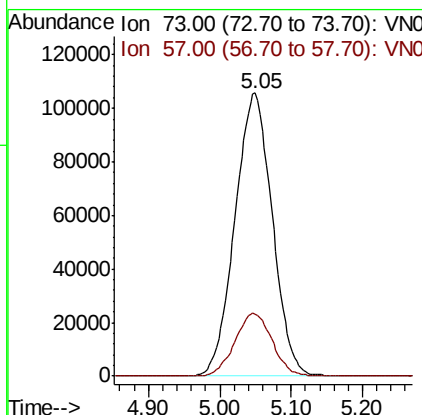
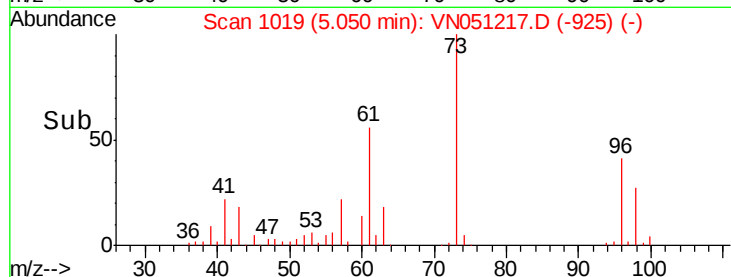
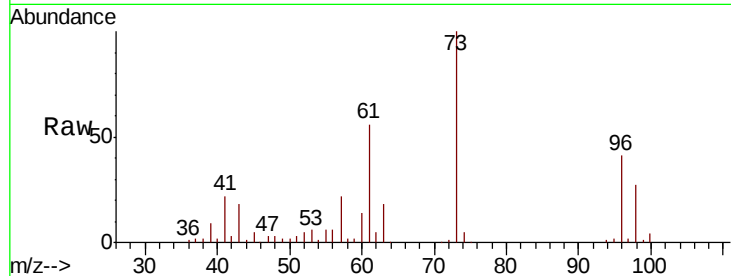
#19
Methvl tert-butvl Ether
Concen: 19.07 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tot Ion: 73 Resp: 384942
Ion Ratio Lower Upper
73 100
57 22.0 17.9 26.9

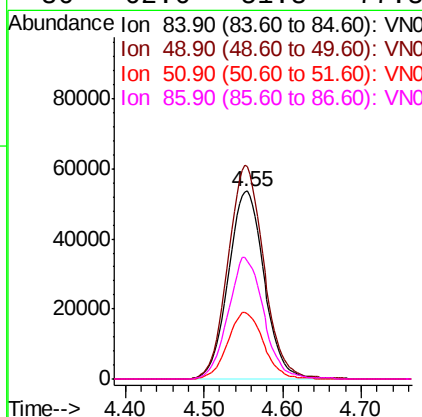
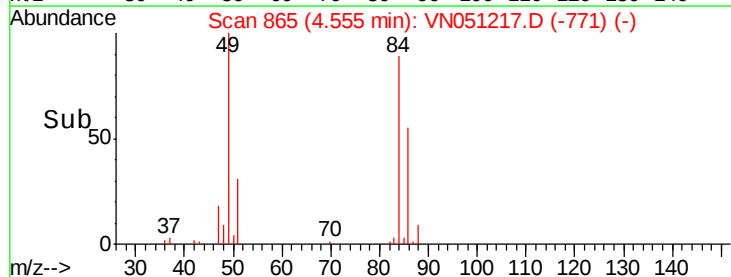
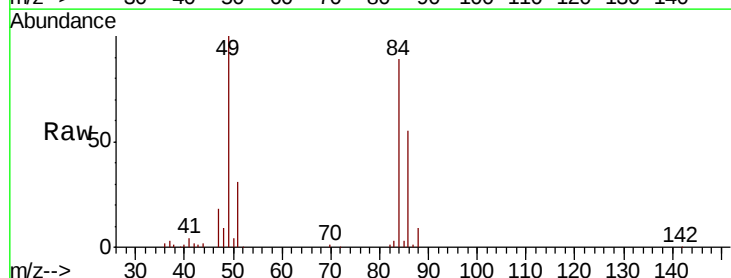
Manual Integrations
APPROVED

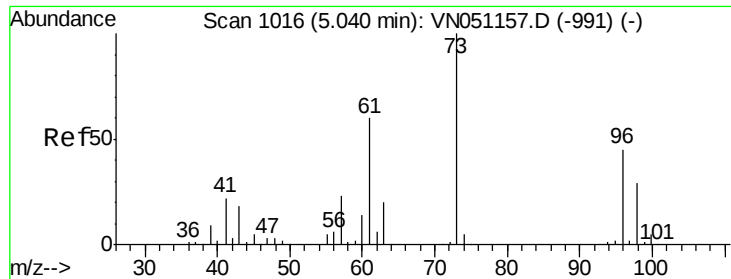
MMDadoda
9/18/2018 4:31:32 PM



#20
Methylene Chloride
Concen: 19.36 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Tgt Ion: 84 Resp: 170355
Ion Ratio Lower Upper
84 100
49 112.9 90.2 135.2
51 34.9 28.4 42.6
86 62.6 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 17.77 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051217.D

Acq: 15 Sep 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tot Ion: 96 Resp: 147142

Ion Ratio Lower Upper

96 100

61 135.0 106.5 159.7

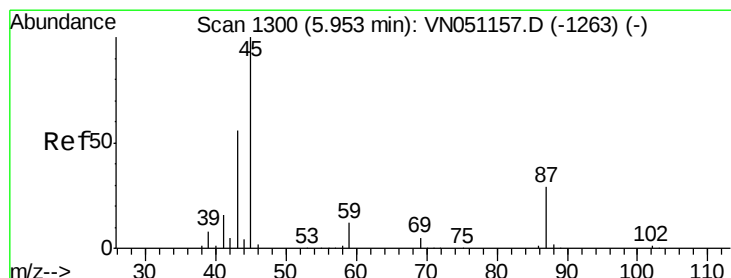
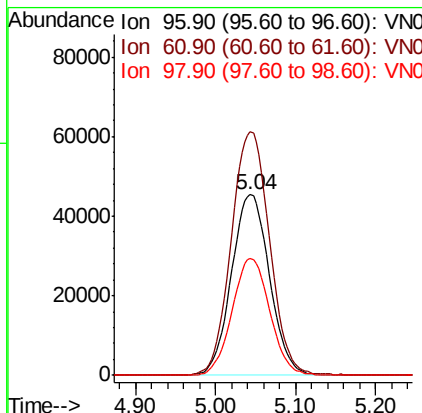
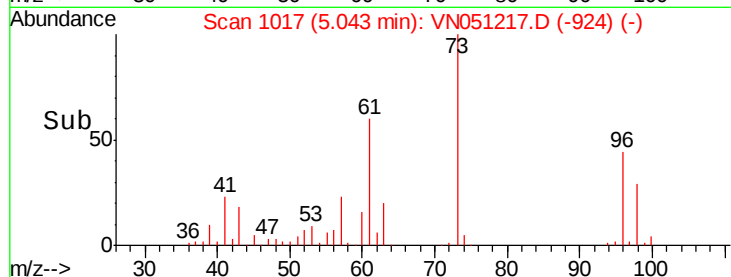
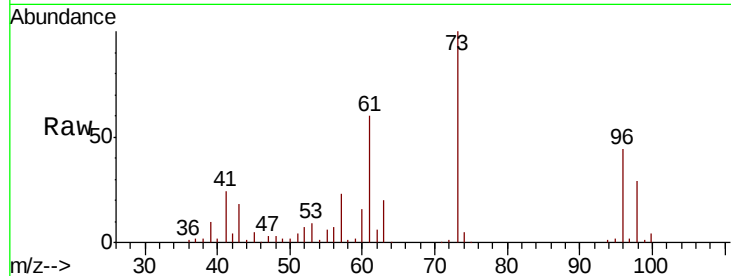
98 64.7 50.4 75.6

Manual Integrations

APPROVED

MMDadoda

9/18/2018 4:31:32 PM



#22

Diisopropyl ether

Concen: 20.66 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN051217.D

Acq: 15 Sep 2018 12:57

Tgt Ion: 45 Resp: 477064

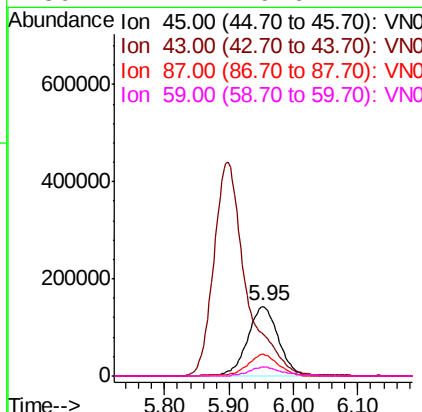
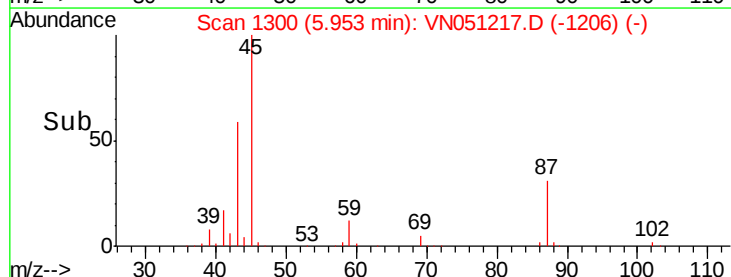
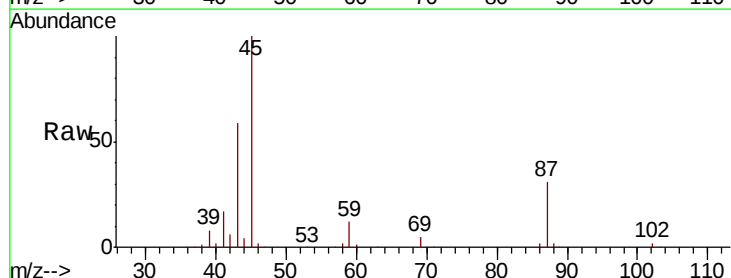
Ion Ratio Lower Upper

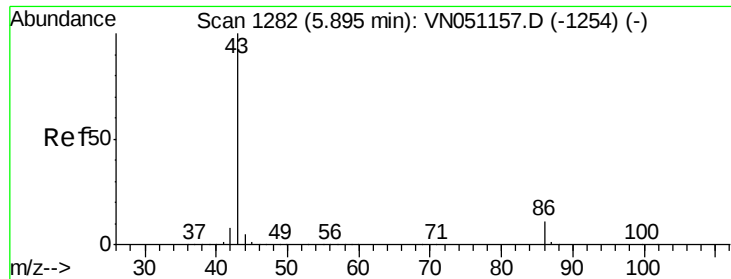
45 100

43 57.8 48.8 73.2

87 30.9 23.8 35.8

59 12.2 9.6 14.4





#23

Vinyl Acetate

Concen: 97.76 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051217.D

Acq: 15 Sep 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tot Ion: 43 Resp: 1527768

Ion Ratio Lower Upper

43 100

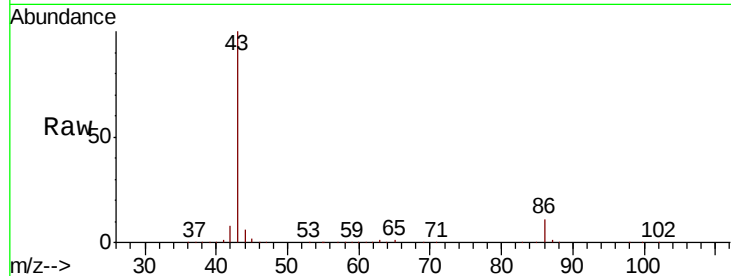
86 11.4 9.2 13.8

Manual Integrations

APPROVED

MMDadoda

9/18/2018 4:31:32 PM



Abundance Ion 43.00 (42.70 to 43.70): VN051157.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN051157.D (-1254) (-)

5.90

400000

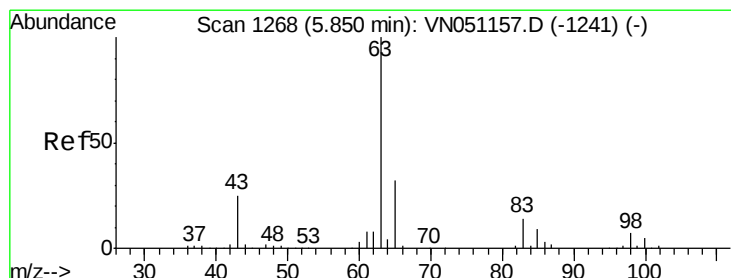
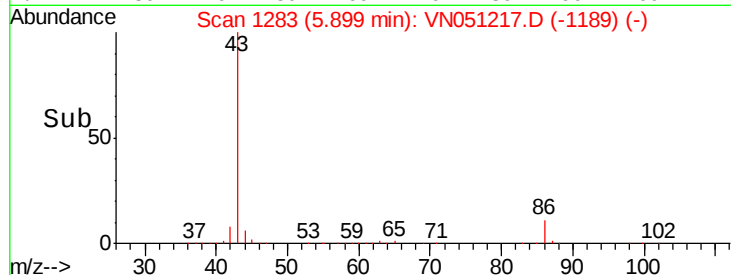
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.10 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN051217.D

Acq: 15 Sep 2018 12:57

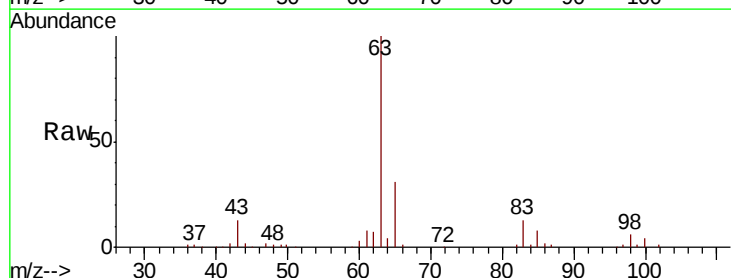
Tgt Ion: 63 Resp: 279803

Ion Ratio Lower Upper

63 100

98 5.7 3.4 10.1

100 4.2 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN051157.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN051157.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN051157.D (-1241) (-)

5.85

120000

100000

80000

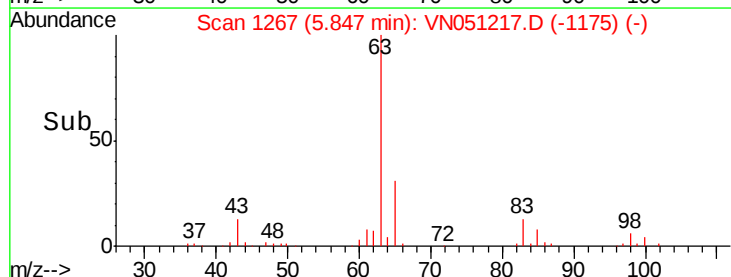
60000

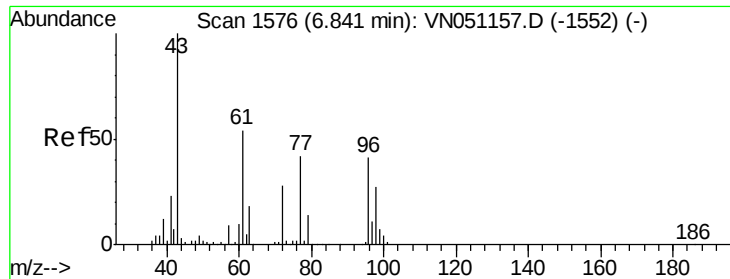
40000

20000

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Time-->





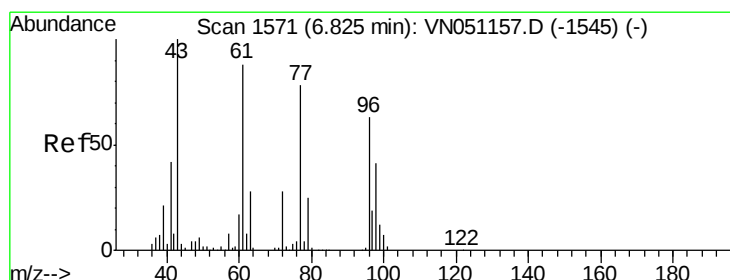
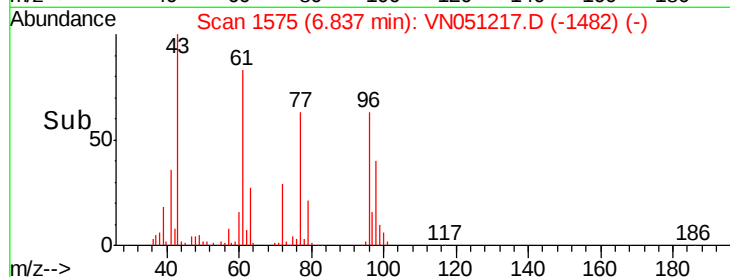
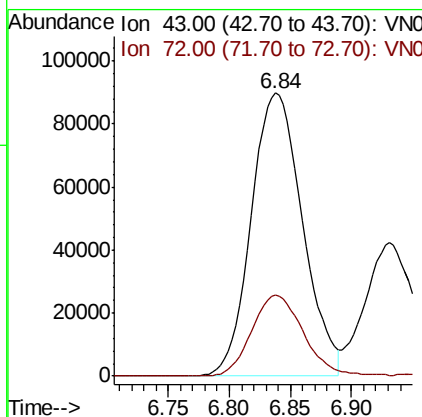
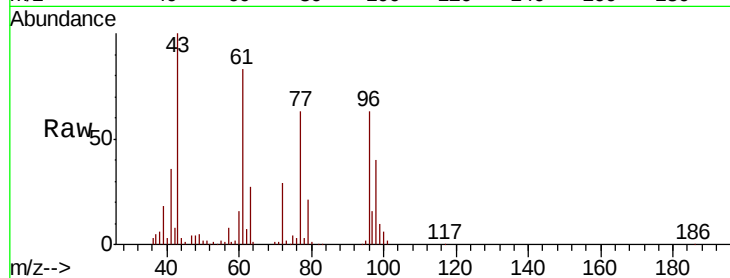
#25
2-Butanone
Concen: 83.72 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Instrument :
MSVOA_N
ClientSampled :
VN0915WBS01

Tot Ion: 43 Resp: 262235
Ion Ratio Lower Upper
43 100
72 28.7 23.0 34.6

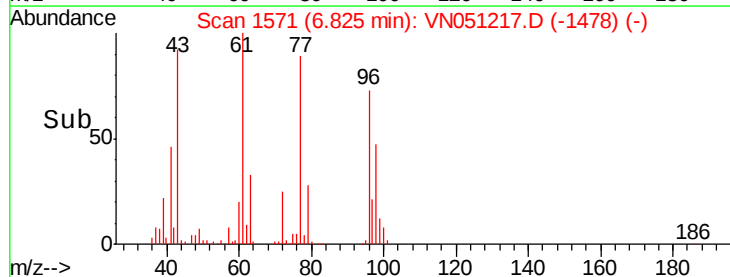
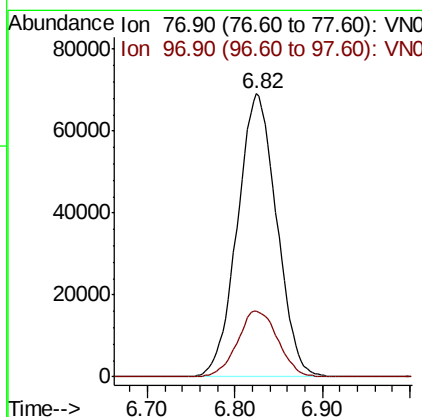
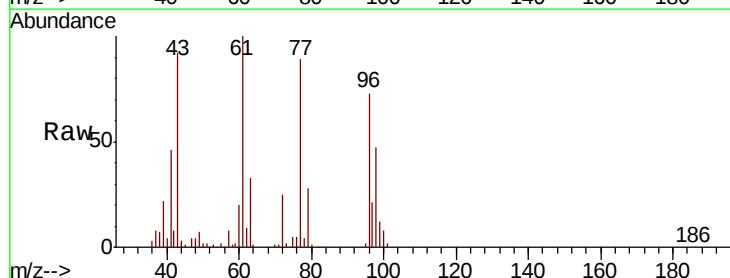
Manual Integrations
APPROVED

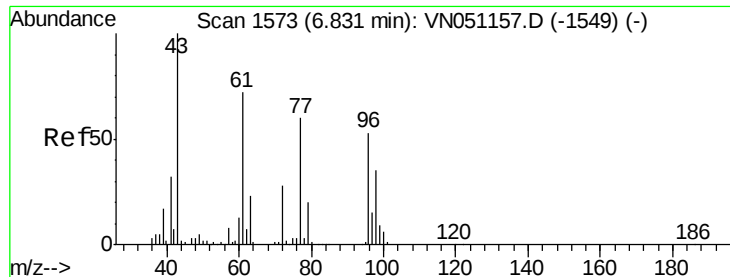
MMDadoda
9/18/2018 4:31:32 PM



#26
2,2-Dichloropropane
Concen: 17.94 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Tgt Ion: 77 Resp: 215158
Ion Ratio Lower Upper
77 100
97 24.0 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 19.14 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051217.D

Acq: 15 Sep 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tot Ion: 96 Resp: 173897

Ion Ratio Lower Upper

96 100

61 136.9 0.0 278.2

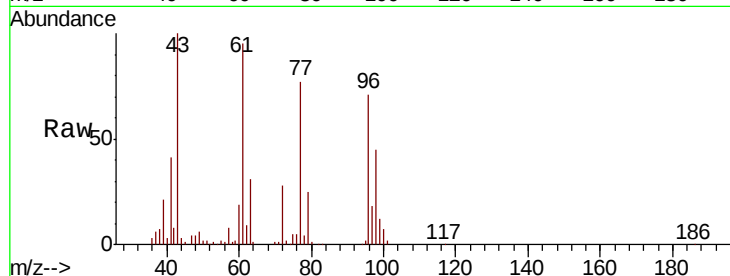
98 65.0 0.0 129.4

Manual Integrations

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MMDadoda

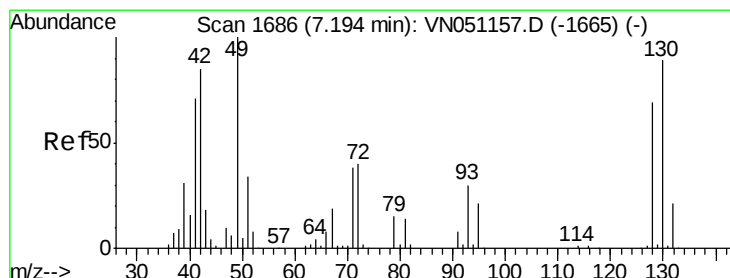
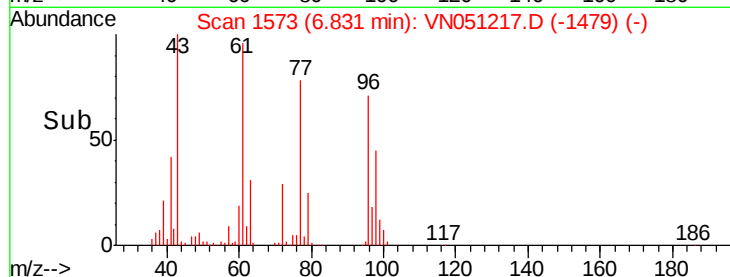
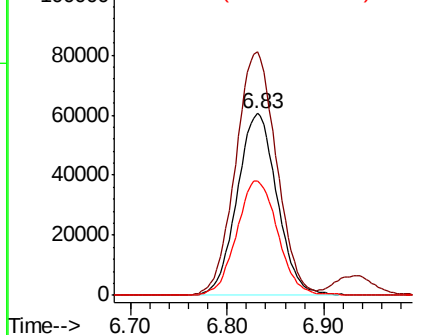
9/18/2018 4:31:32 PM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 18.01 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN051217.D

Acq: 15 Sep 2018 12:57

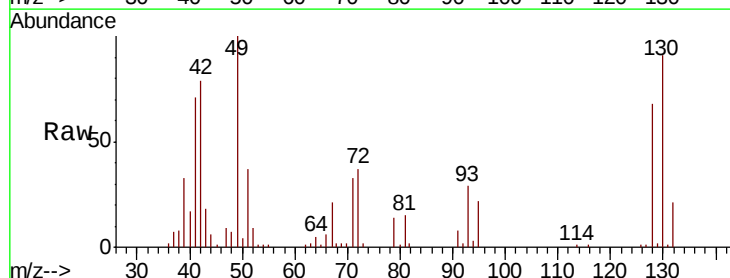
Tgt Ion: 49 Resp: 117425

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.4

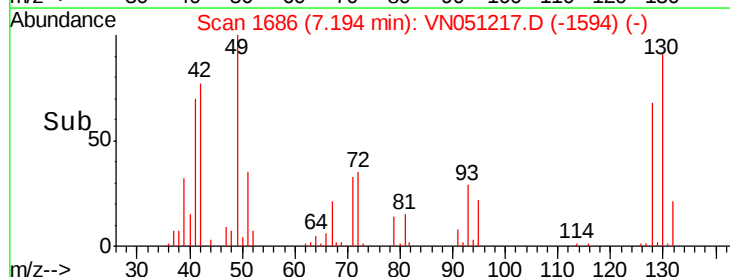
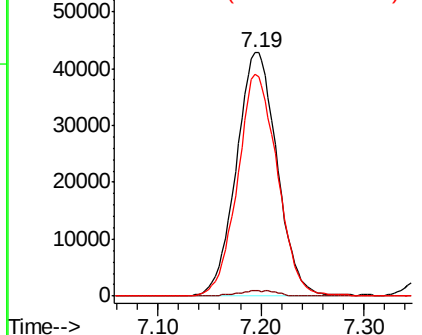
130 89.4 70.7 106.1

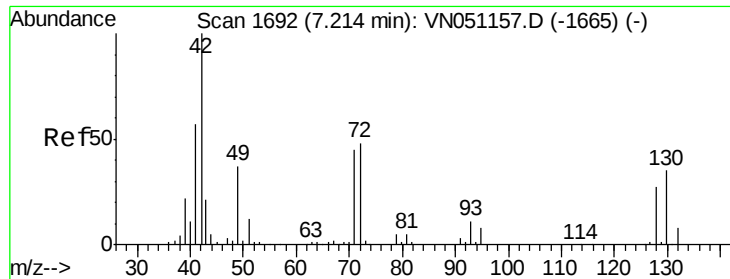


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





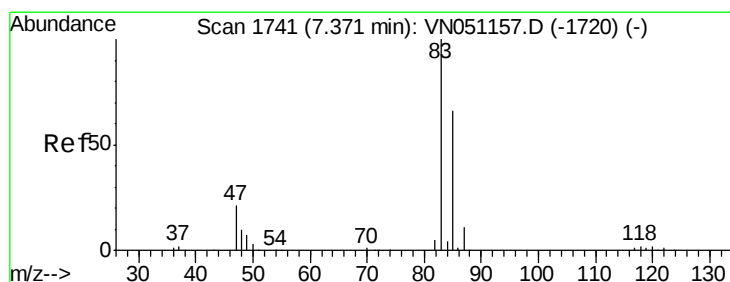
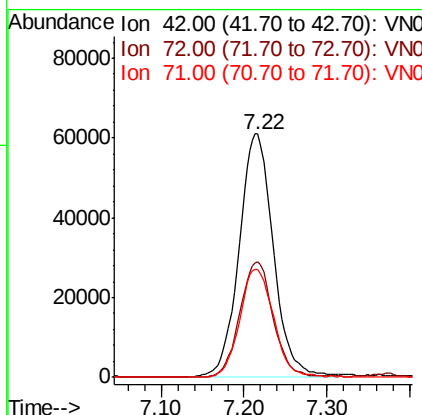
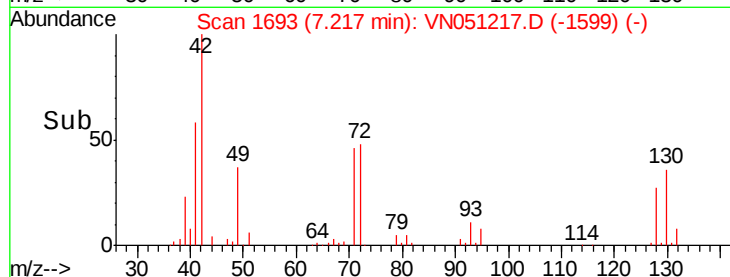
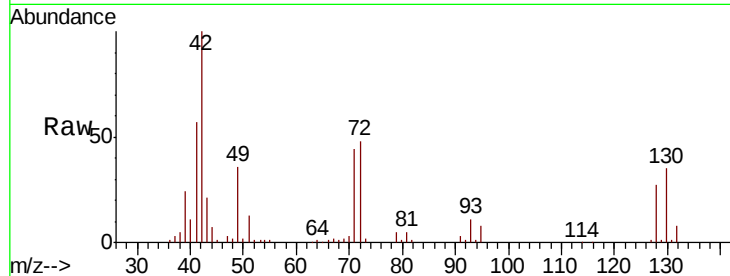
#29
Tetrahydrofuran
Concen: 89.90 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	37.4	56.0
71	43.8	34.7	52.1

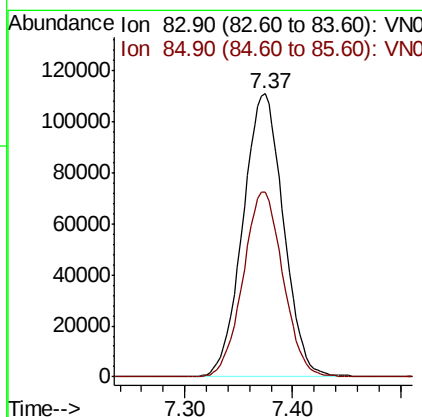
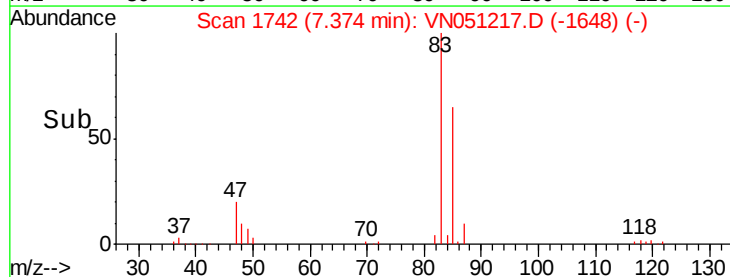
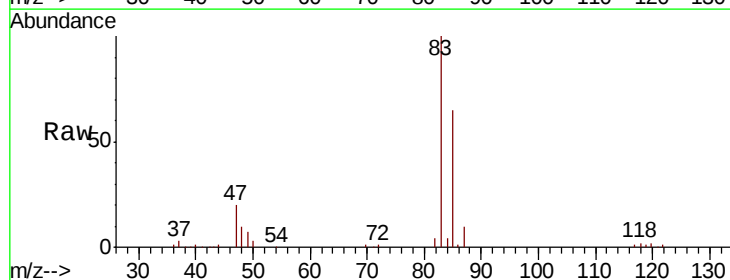
Manual Integrations
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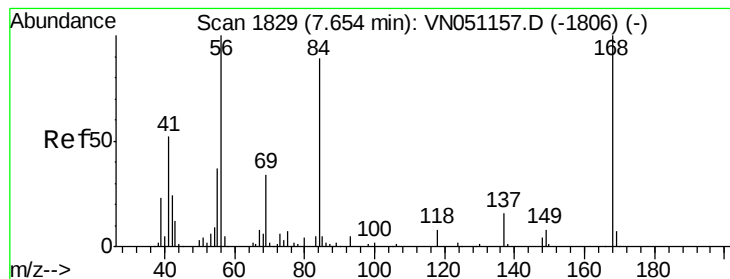
MMDadoda
9/18/2018 4:31:32 PM



#30
Chloroform
Concen: 19.89 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.6	79.0





#31

Cyclohexane

Concen: 17.70 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051217.D

Acq: 15 Sep 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tot Ion: 56 Resp: 233175

Ion Ratio Lower Upper

56 100

69 38.2 26.3 39.5

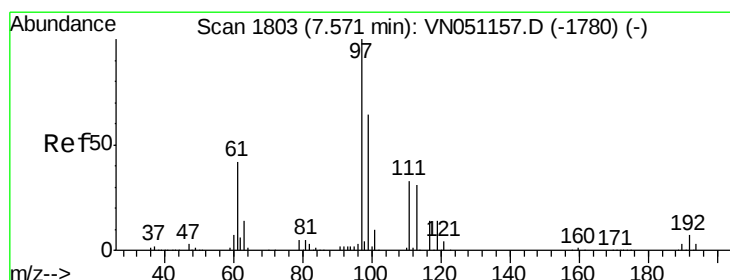
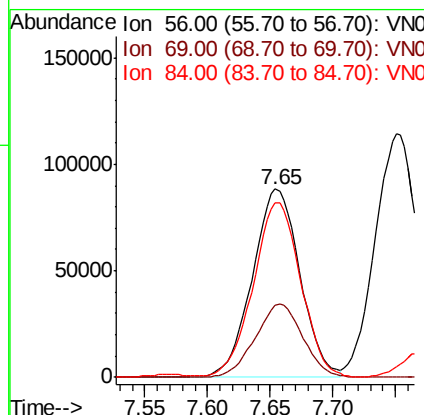
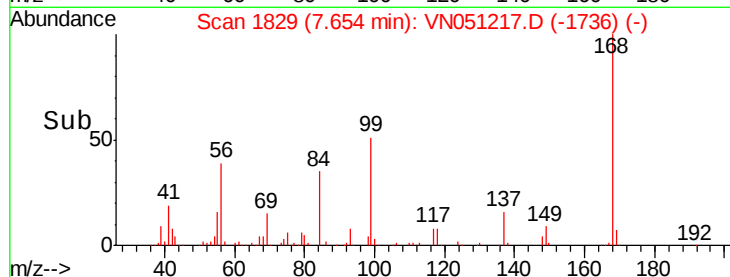
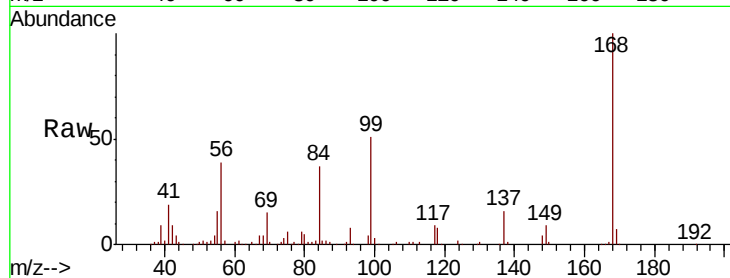
84 91.8 69.4 104.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 18.87 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051217.D

Acq: 15 Sep 2018 12:57

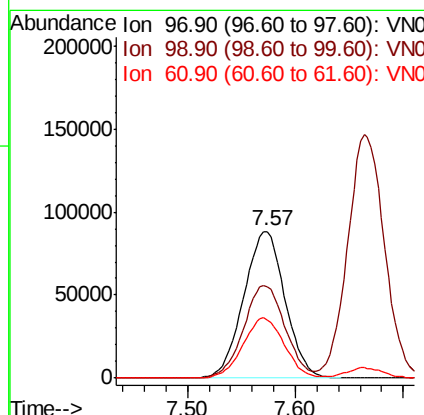
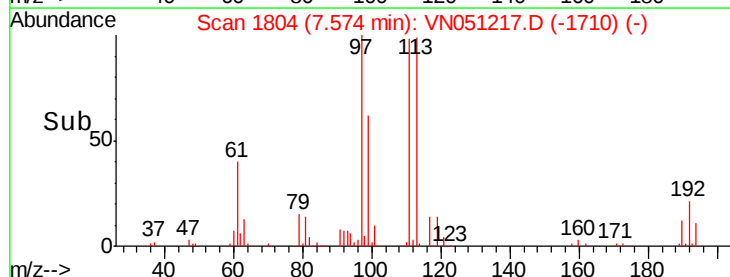
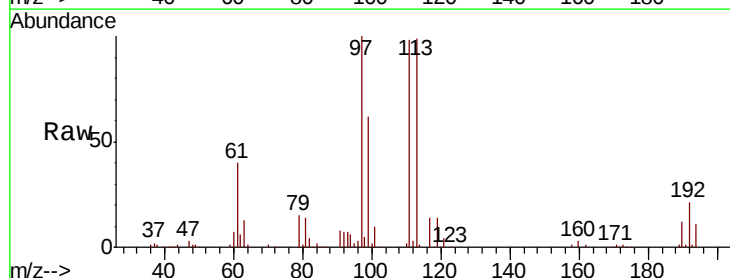
Tgt Ion: 97 Resp: 234413

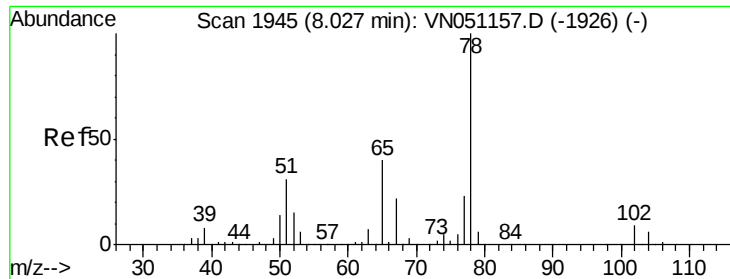
Ion Ratio Lower Upper

97 100

99 63.9 51.6 77.4

61 41.2 33.8 50.6





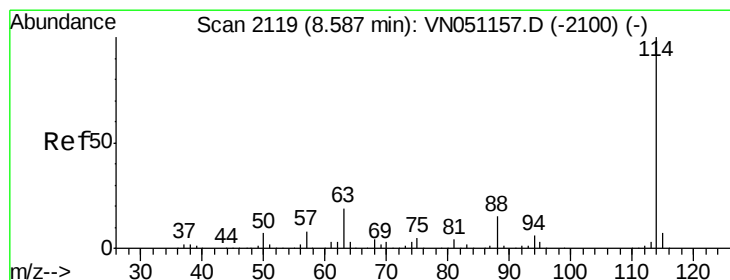
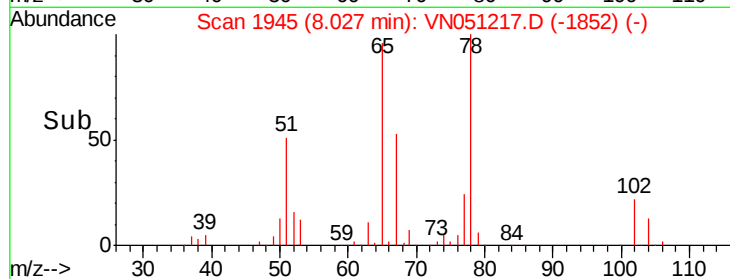
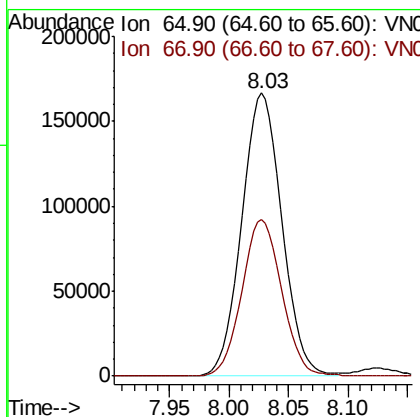
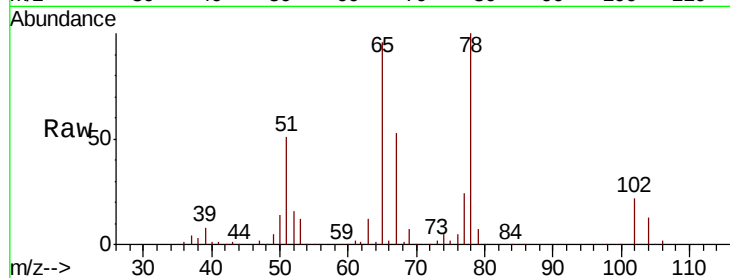
#33
 1,2-Dichloroethane-d4
 Concen: 48.98 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051217.D
 Acq: 15 Sep 2018 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	390201		
67	54.8	0.0	112.0	

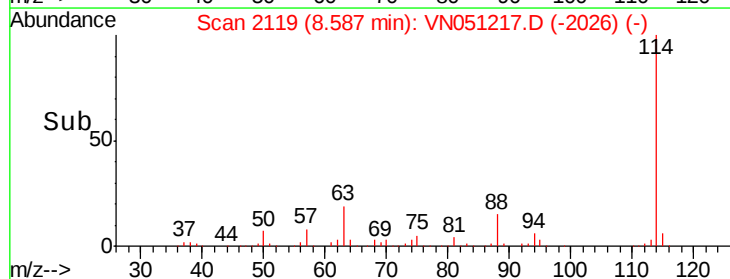
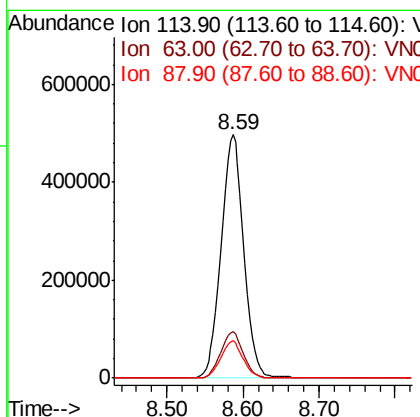
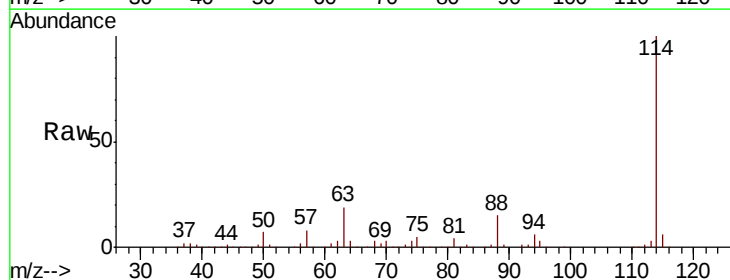
Manual Integrations
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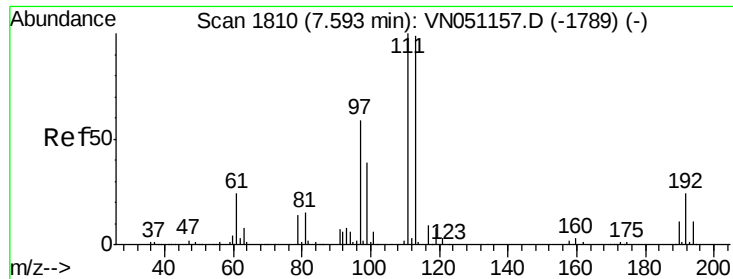
MMDadoda
 9/18/2018 4:31:32 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051217.D
 Acq: 15 Sep 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1031268		
63	18.9	0.0	37.8	
88	15.2	0.0	30.8	





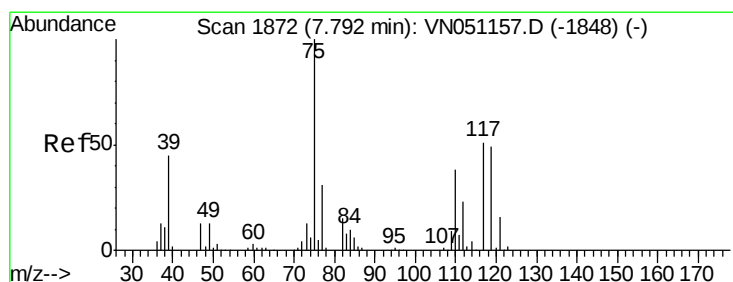
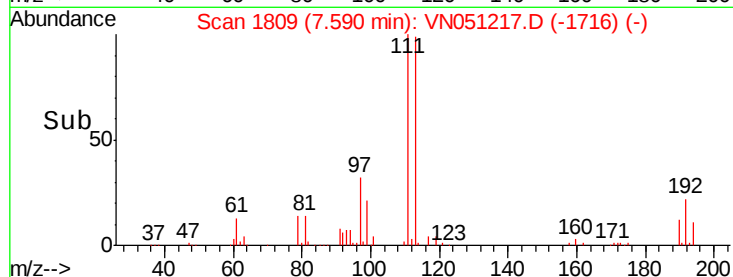
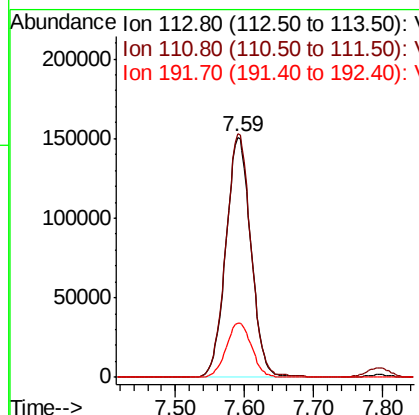
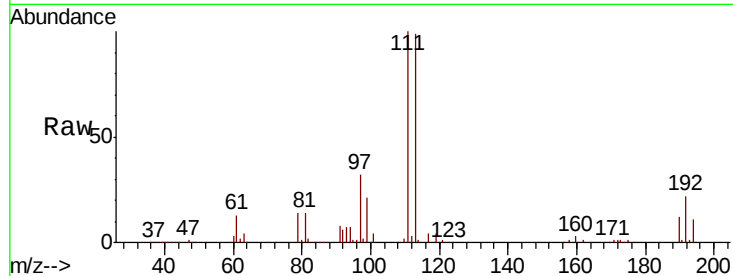
#35
 Dibromofluoromethane
 Concen: 49.09 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051217.D
 Acq: 15 Sep 2018 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	380382		
111	100.6	83.0	124.6	
192	23.1	18.7	28.1	

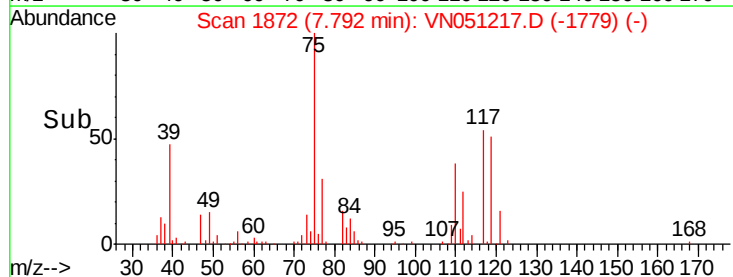
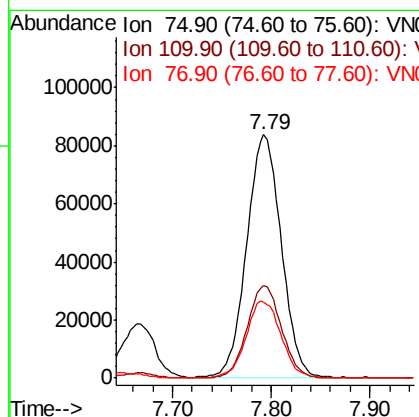
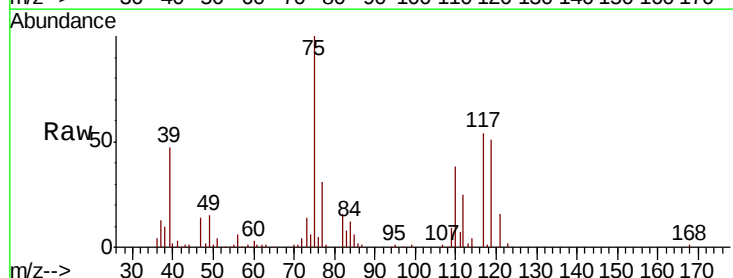
Manual Integrations
 APPROVED

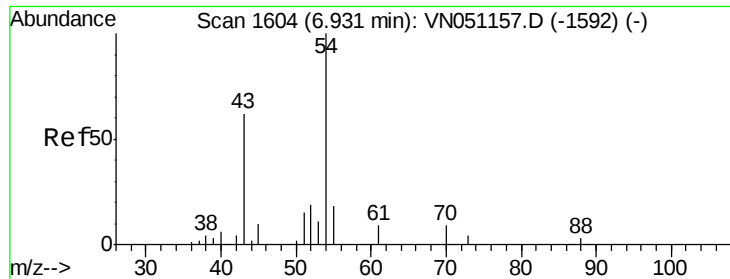
MMDadoda
 9/18/2018 4:31:32 PM



#36
 1,1-Dichloropropene
 Concen: 17.89 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051217.D
 Acq: 15 Sep 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	202530		
110	37.6	18.6	55.8	
77	32.3	25.2	37.8	





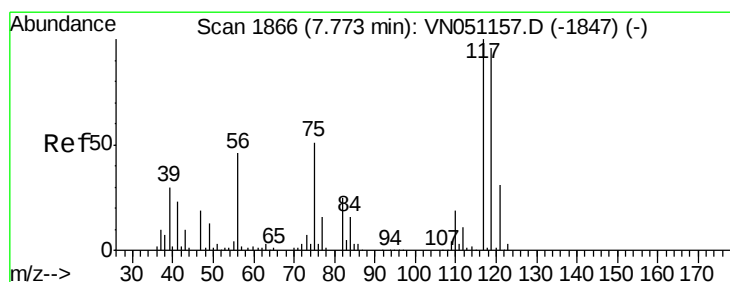
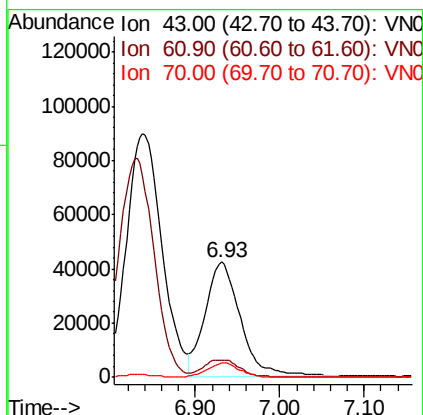
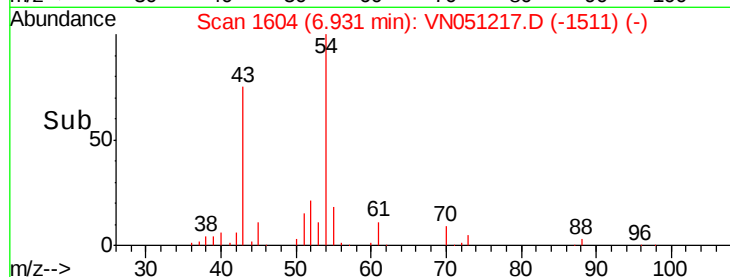
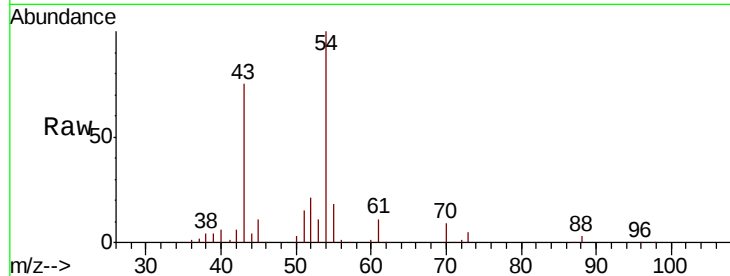
#37
Ethyl Acetate
Concen: 18.61 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.3	12.4	18.6
70	11.5	9.3	13.9

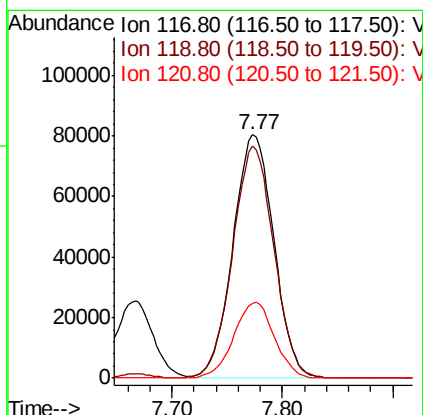
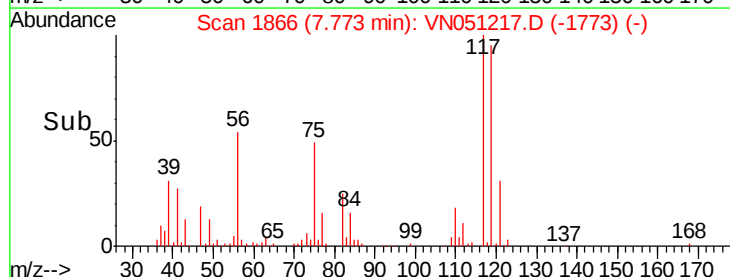
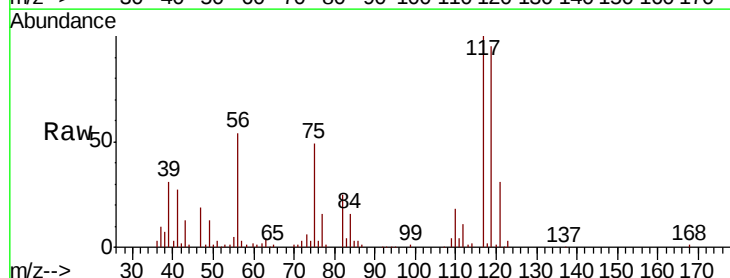
Manual Integrations
APPROVED

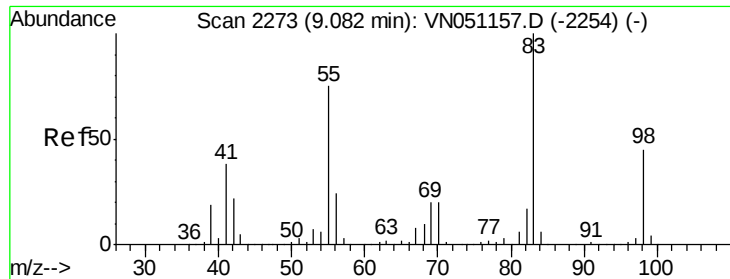
MMDadoda
9/18/2018 4:31:32 PM



#38
Carbon Tetrachloride
Concen: 18.54 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.8	115.2
121	30.8	24.6	36.8





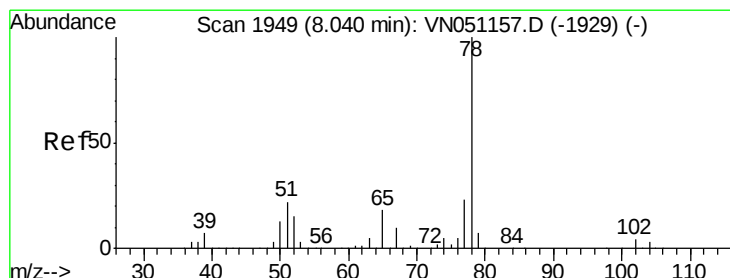
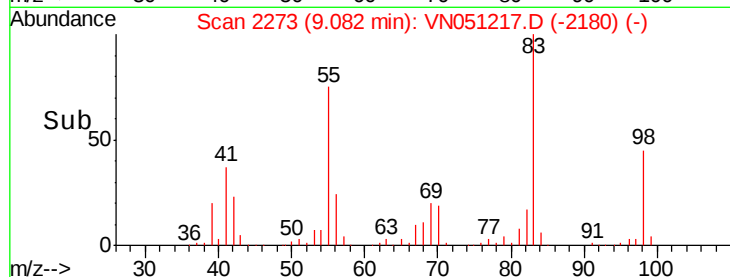
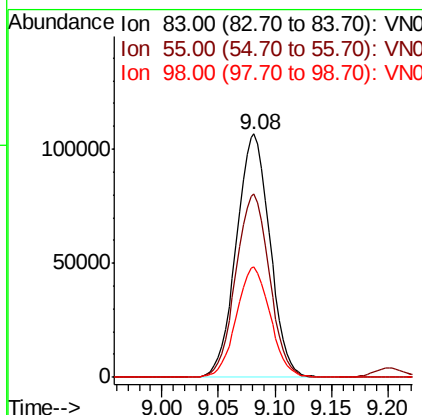
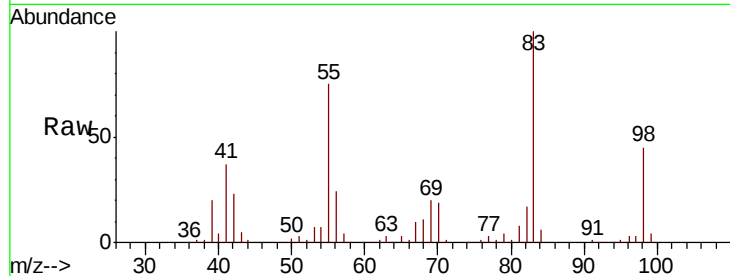
#39
Methvlcvclohexane
Concen: 17.67 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Instrument :
MSVOA_N
ClientSampled :
VN0915WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.4	58.4	87.6
98	45.3	37.3	55.9

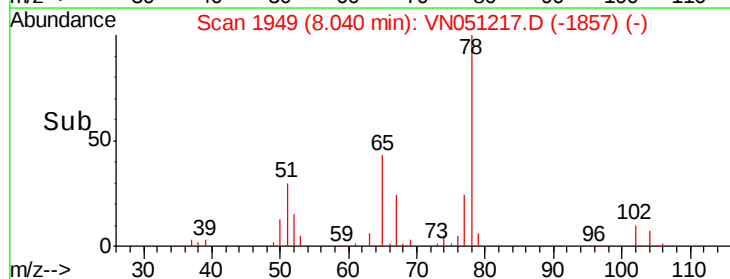
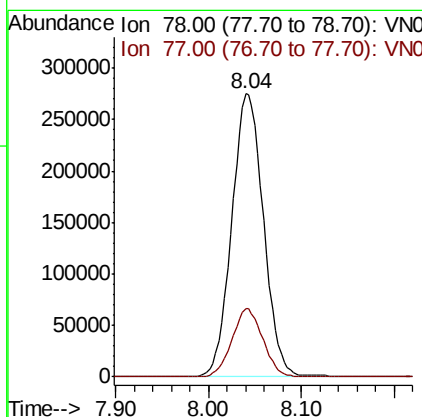
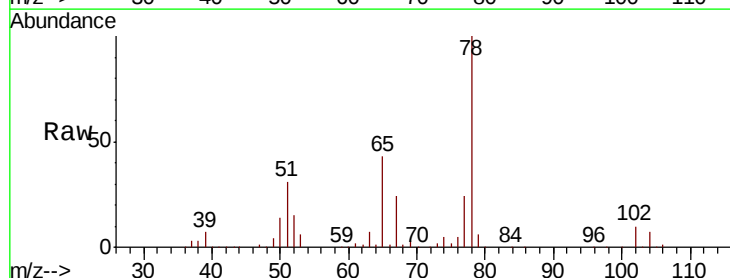
Manual Integrations
APPROVED

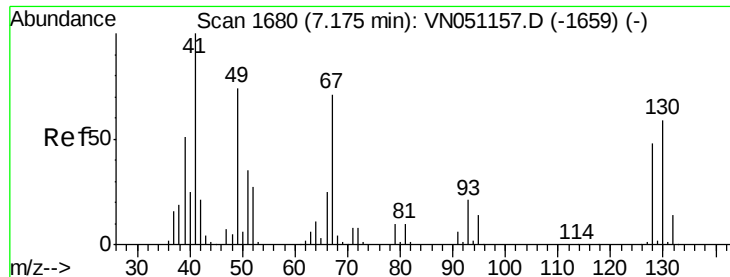
MMDadoda
9/18/2018 4:31:32 PM



#40
Benzene
Concen: 19.12 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.6	27.8





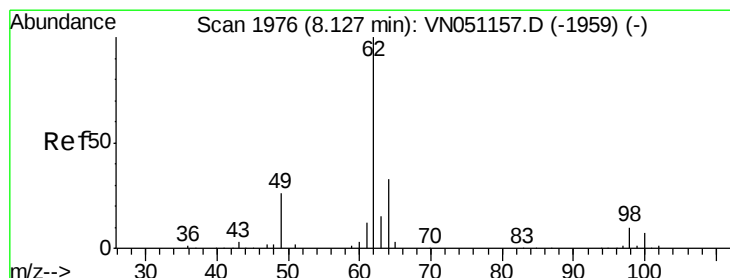
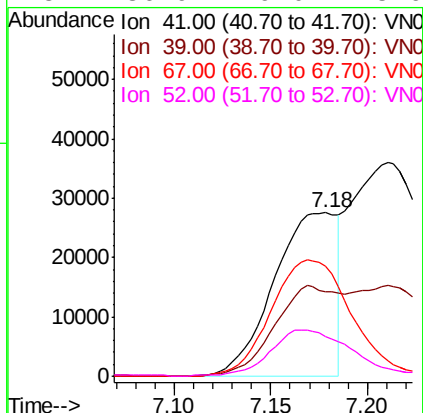
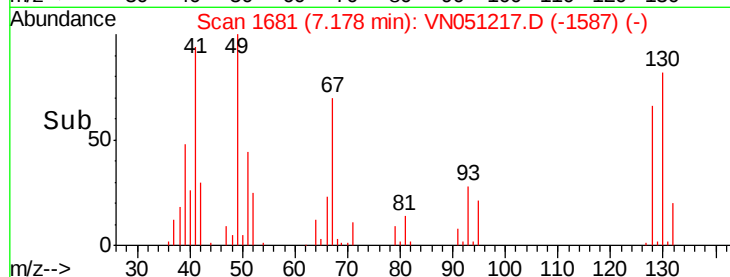
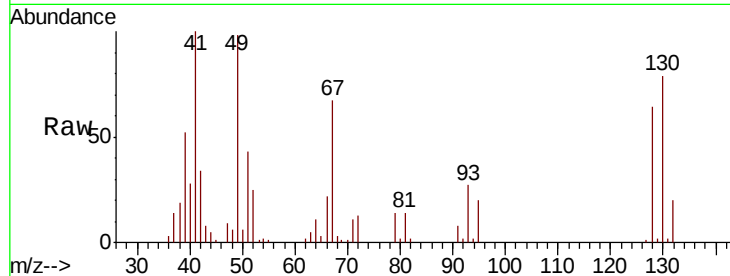
#41
Methacrylonitrile
Concen: 18.60 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.1	51.3	76.9
67	91.0	78.5	117.7
52	36.9	29.0	43.6

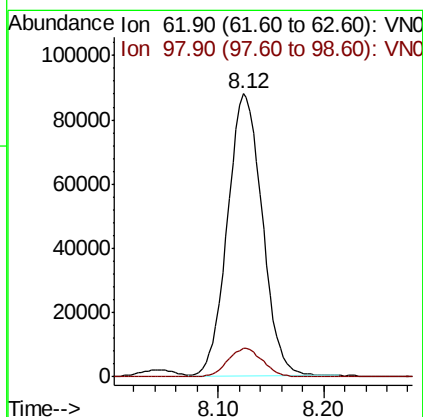
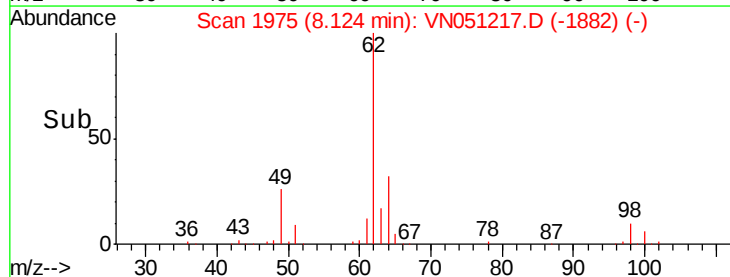
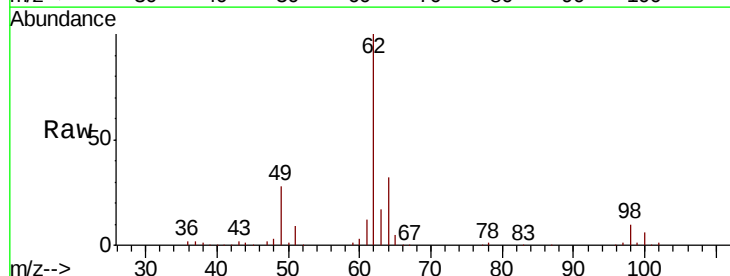
Manual Integrations
APPROVED

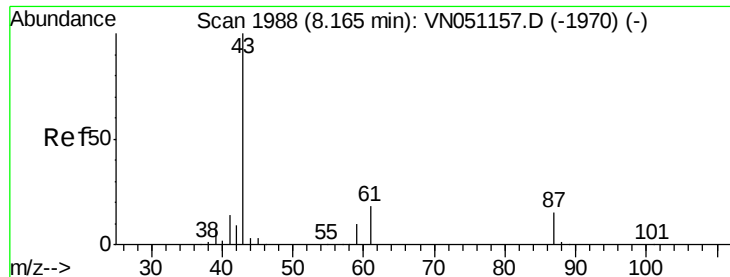
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.21 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	21.0





#43

Isopropyl Acetate

Concen: 18.60 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051217.D

Acq: 15 Sep 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tot Ion: 43 Resp: 215159

Ion Ratio Lower Upper

43 100

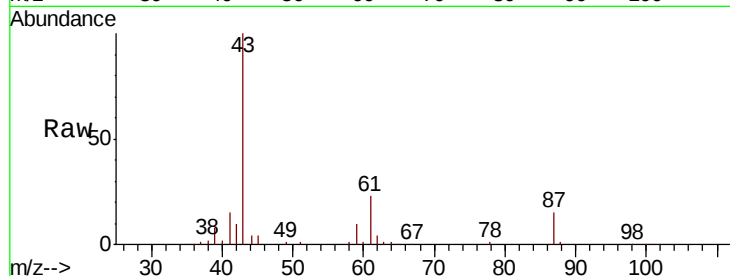
61 22.3 25.0 37.6#

87 14.7 11.8 17.8

Manual Integrations
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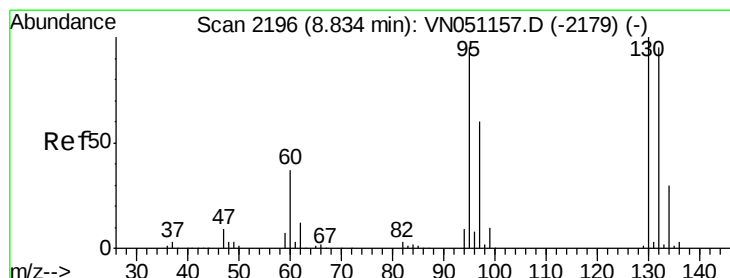
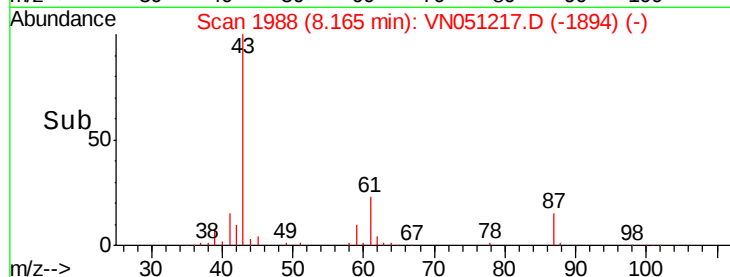


Abundance Ion 43.00 (42.70 to 43.70): VN051157.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN051157.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN051157.D (-1970) (-)

Time--> 8.05 8.10 8.15 8.20 8.25



#44

Trichloroethene

Concen: 18.44 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051217.D

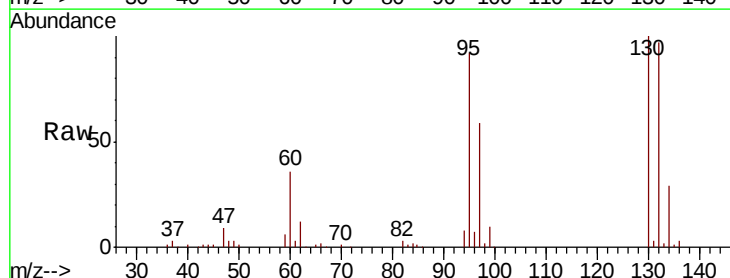
Acq: 15 Sep 2018 12:57

Tgt Ion:130 Resp: 172064

Ion Ratio Lower Upper

130 100

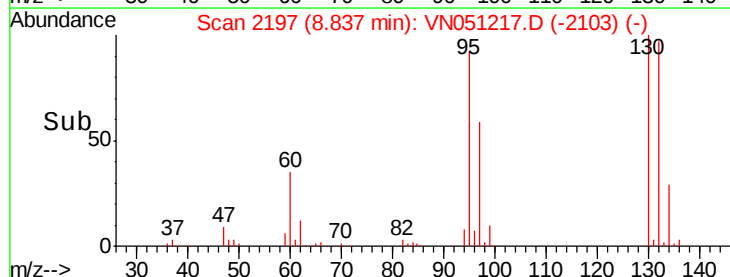
95 91.7 0.0 186.2

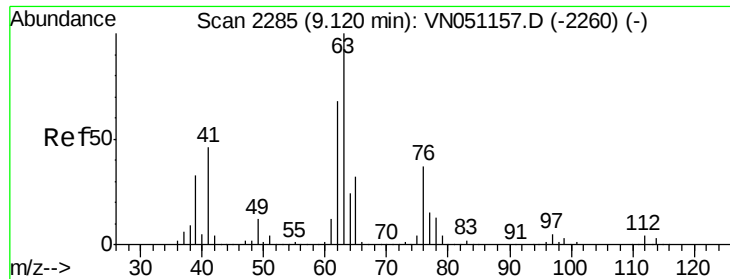


Abundance Ion 129.80 (129.50 to 130.50): VN051157.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051157.D (-2179) (-)

Time--> 8.75 8.80 8.85 8.90





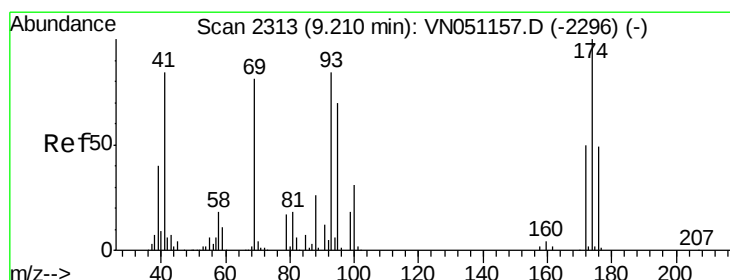
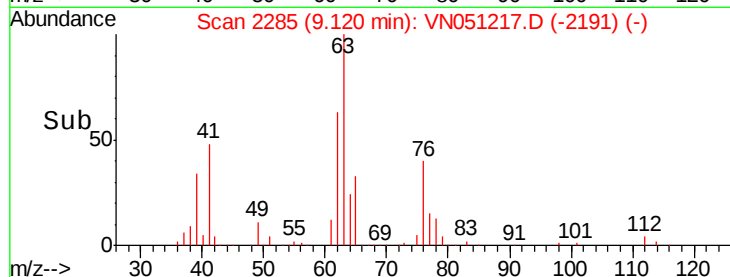
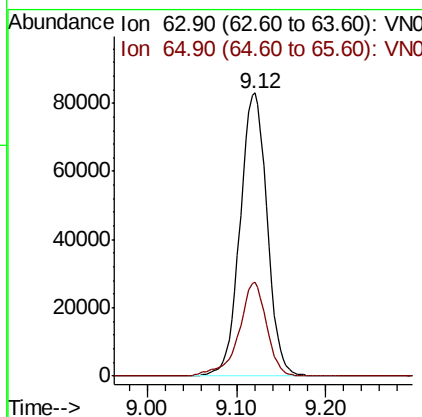
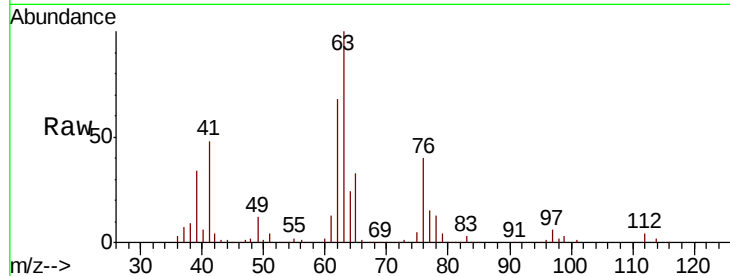
#45
 1,2-Dichloropropane
 Concen: 19.85 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051217.D
 Acq: 15 Sep 2018 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Tot Ion: 63 Resp: 174974
 Ion Ratio Lower Upper
 63 100
 65 33.2 24.7 37.1

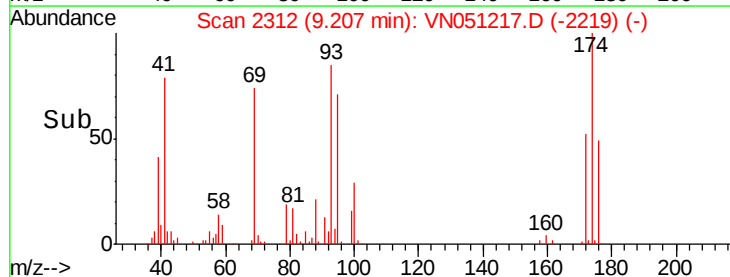
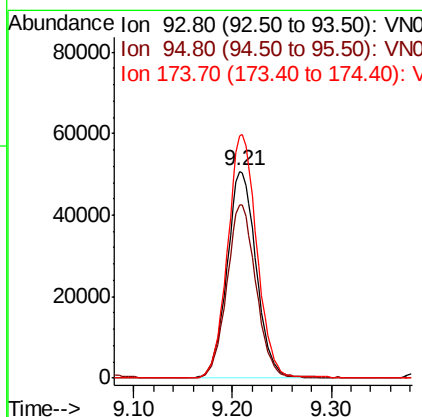
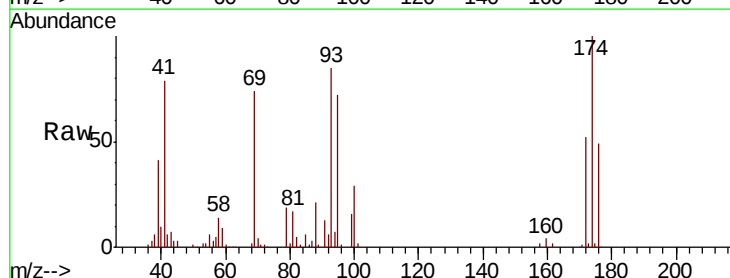
Manual Integrations
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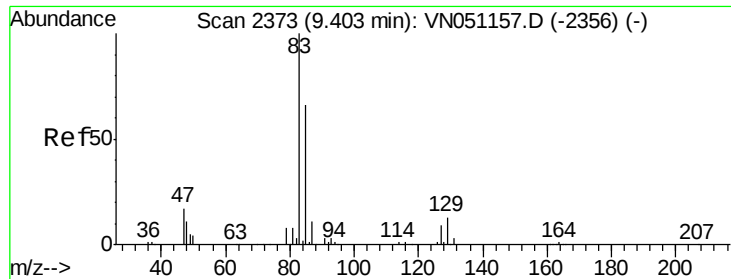
MMDadoda
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#46
 Dibromomethane
 Concen: 19.49 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN051217.D
 Acq: 15 Sep 2018 12:57

Tgt Ion: 93 Resp: 104828
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.8 100.2
 174 117.7 93.3 139.9





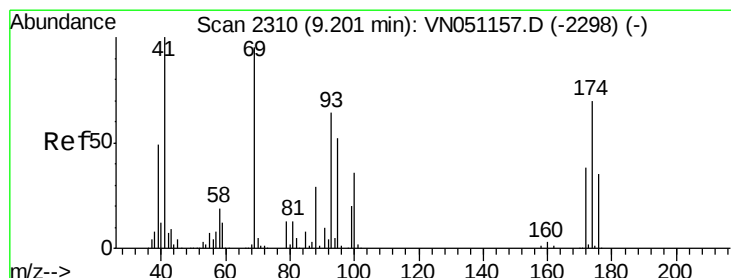
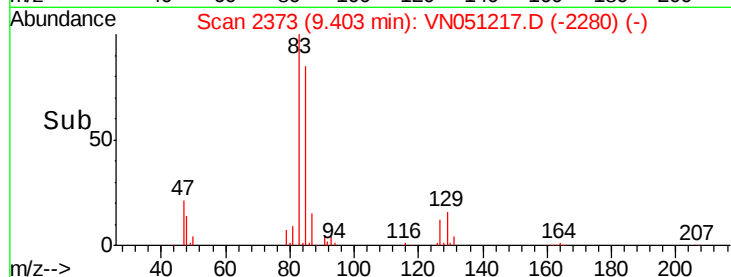
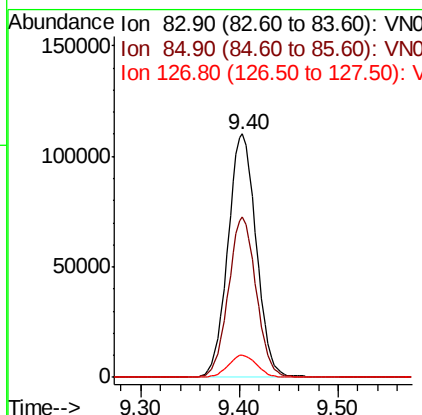
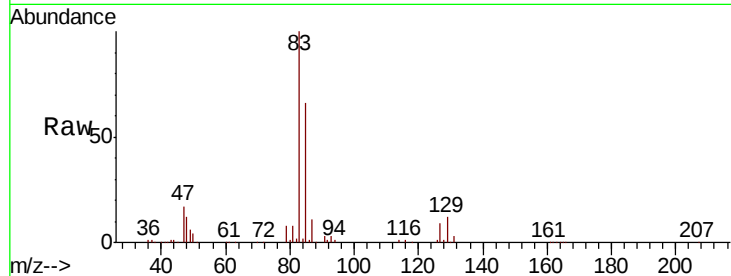
#47
Bromodichloromethane
Concen: 20.22 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.6	52.3	78.5	
127	9.4	7.5	11.3	

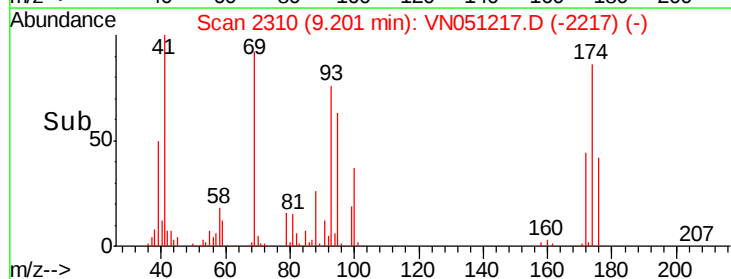
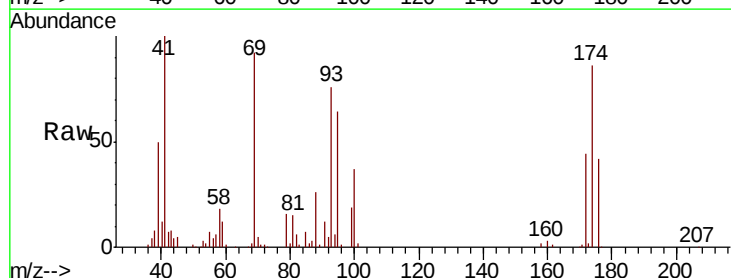
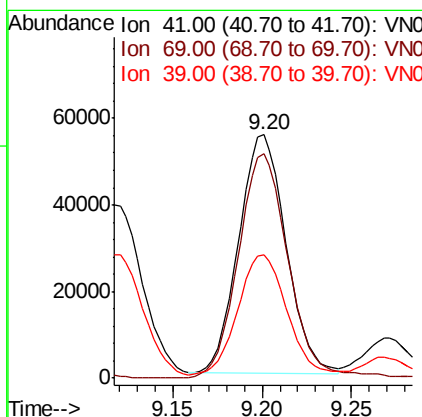
Manual Integrations
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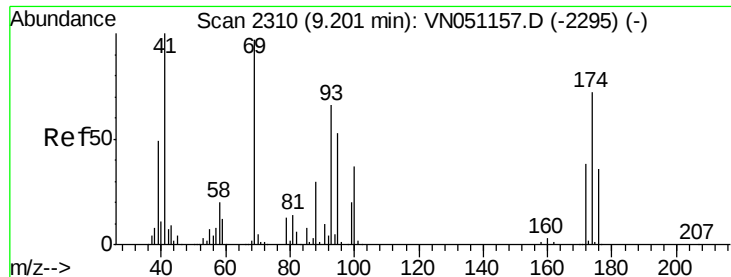
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#48
Methyl methacrylate
Concen: 18.12 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	99.2	77.7	116.5	
39	54.4	41.6	62.4	





#49

1,4-Dioxane

Concen: 336.03 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051217.D

Acq: 15 Sep 2018 12:57

Instrument :

MSVOA_N

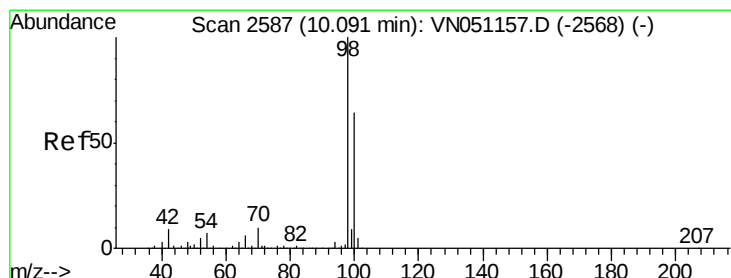
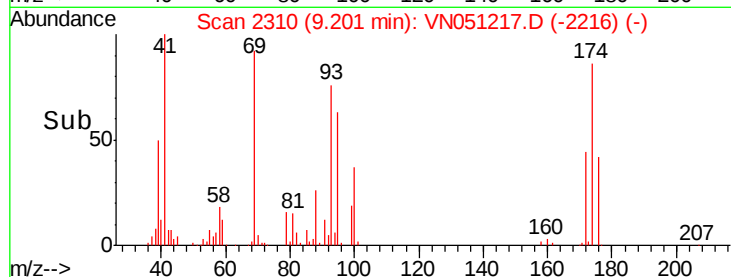
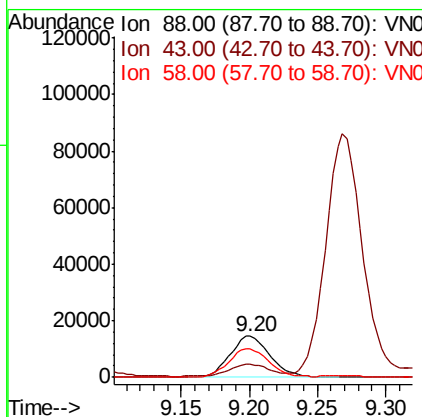
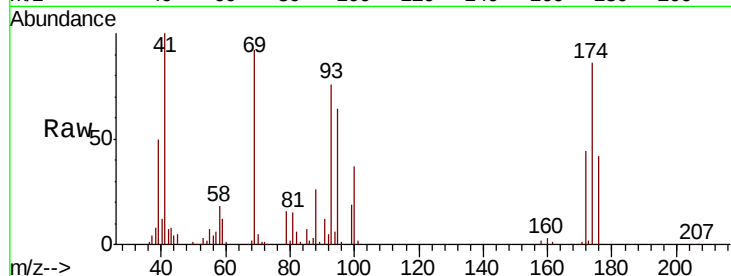
ClientSampleId :

VN0915WBS01

Tot Ion:	88	Resp:	29712
Ion	Ratio	Lower	Upper
88	100		
43	30.1	23.7	35.5
58	70.2	54.6	82.0

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#50

Toluene-d8

Concen: 45.55 ug/l

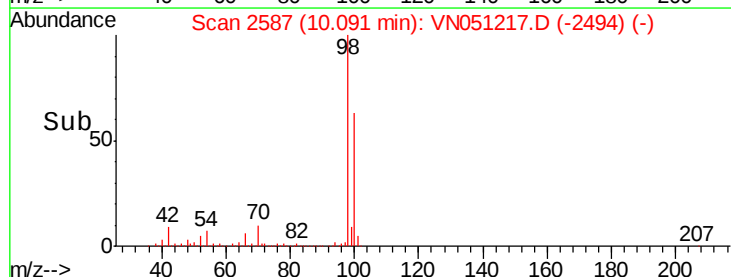
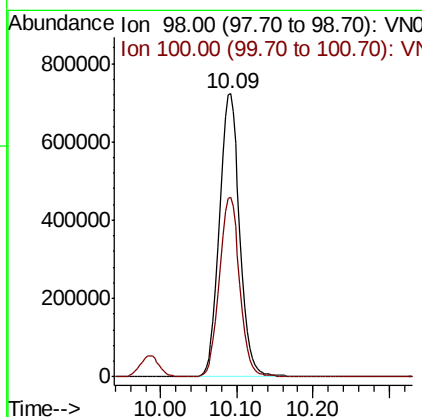
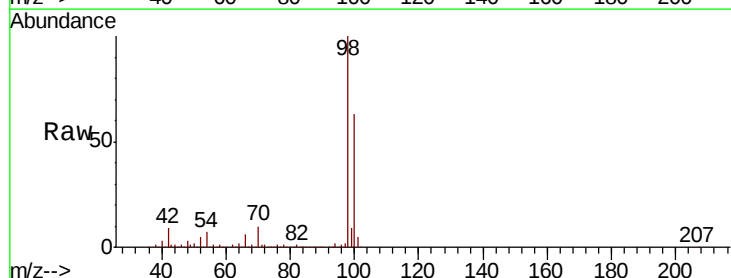
RT: 10.09 min Scan# 2587

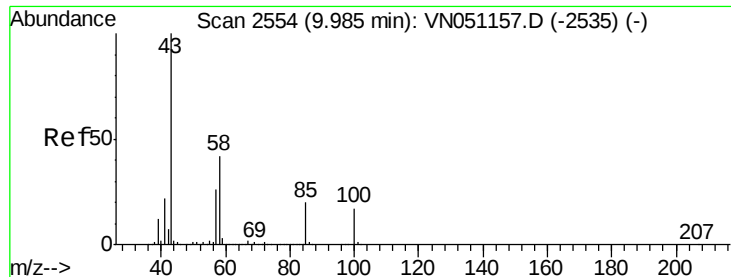
Delta R.T. -0.00 min

Lab File: VN051217.D

Acq: 15 Sep 2018 12:57

Tgt Ion:	98	Resp:	1339504
Ion	Ratio	Lower	Upper
98	100		
100	63.4	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 91.27 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051217.D

Acq: 15 Sep 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tot Ion: 43 Resp: 584004

Ion Ratio Lower Upper

43 100

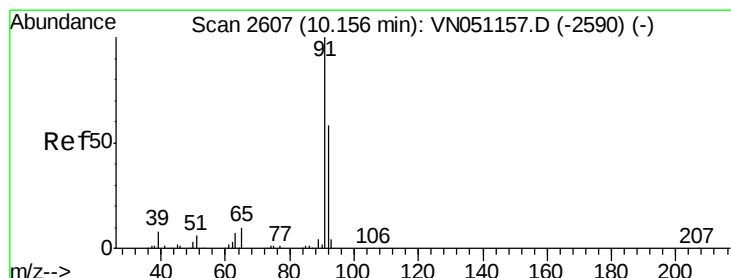
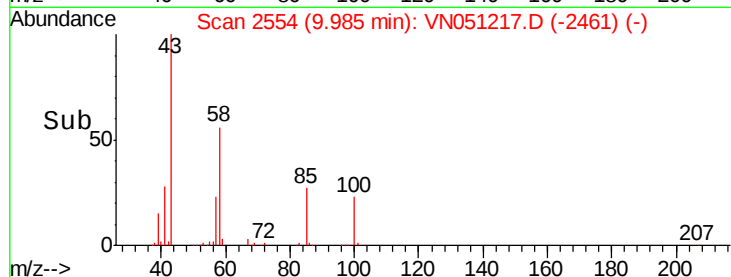
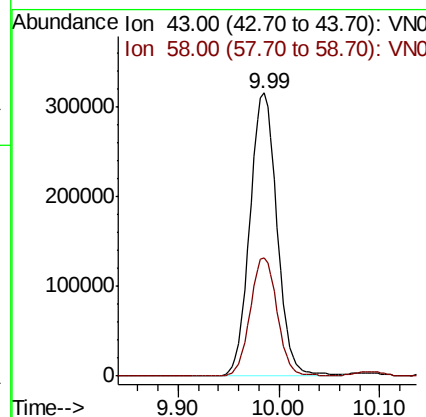
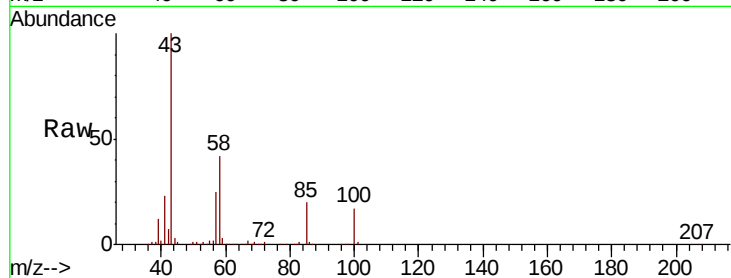
58 41.7 33.5 50.3

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#52

Toluene

Concen: 19.36 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051217.D

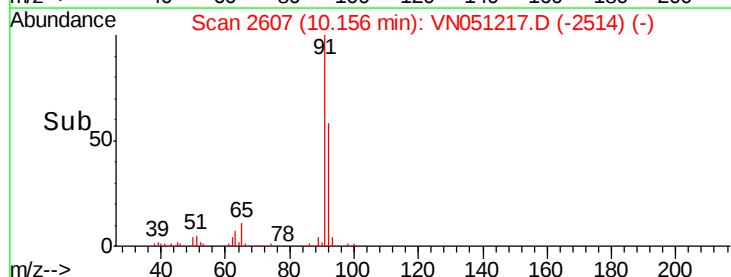
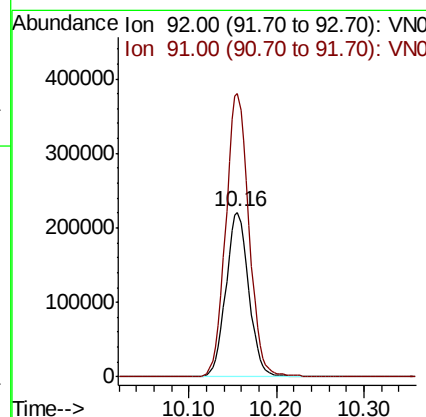
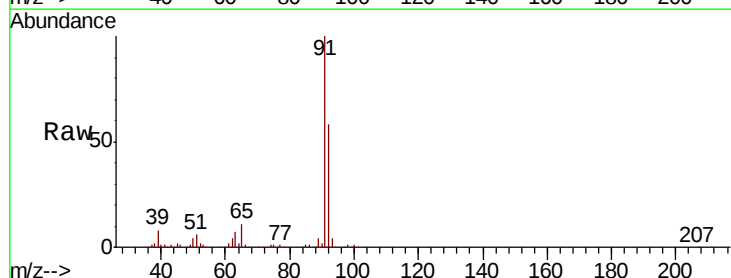
Acq: 15 Sep 2018 12:57

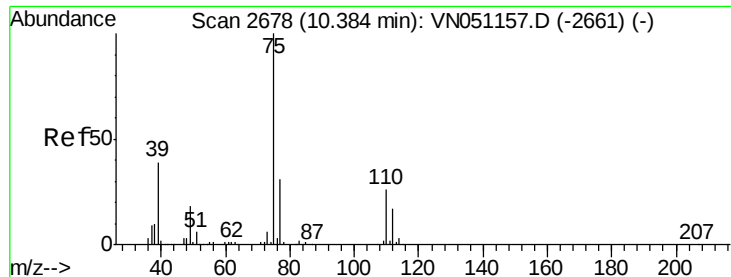
Tgt Ion: 92 Resp: 402764

Ion Ratio Lower Upper

92 100

91 174.2 139.5 209.3





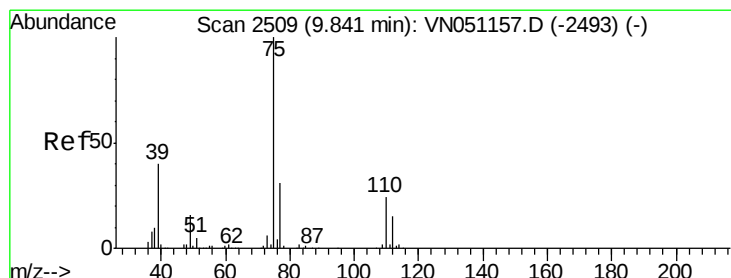
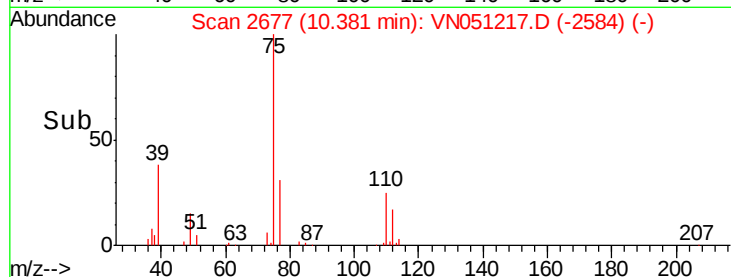
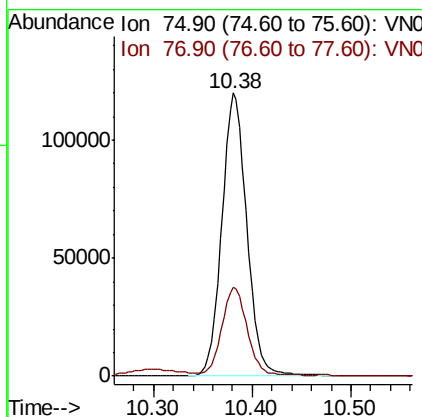
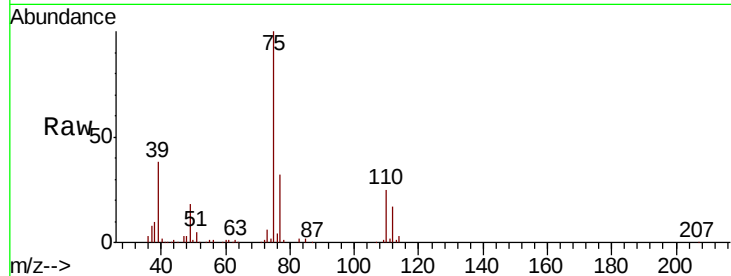
#53
t-1,3-Dichloropropene
Concen: 19.53 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Instrument :
MSVOA_N
ClientSampled :
VN0915WBS01

Tot Ion: 75 Resp: 213750
Ion Ratio Lower Upper
75 100
77 31.3 25.3 37.9

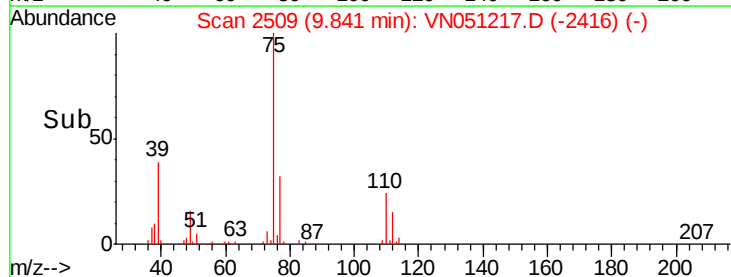
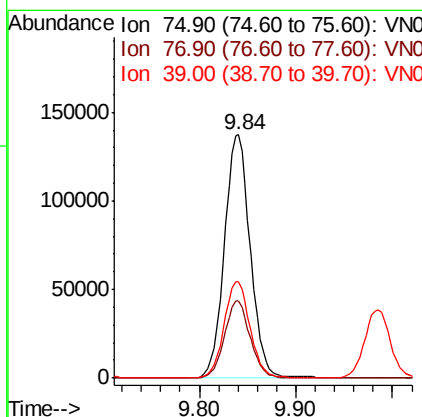
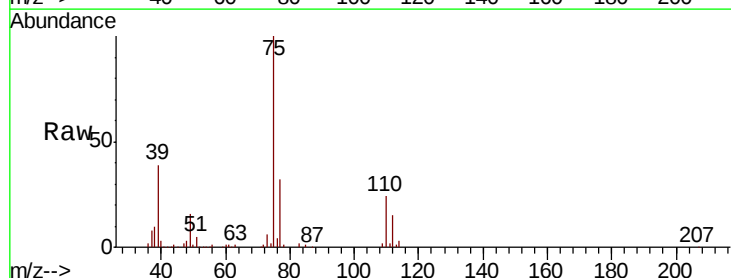
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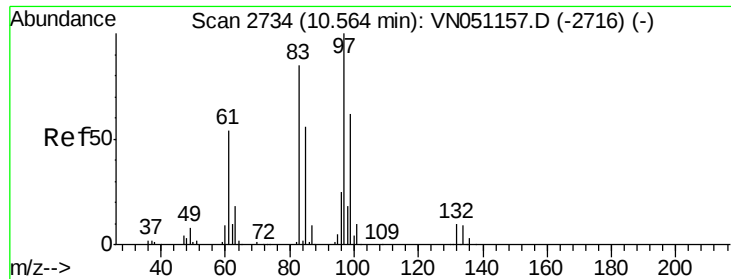
MMDadoda
9/18/2018 4:31:32 PM



#54
cis-1,3-Dichloropropene
Concen: 19.80 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Tgt Ion: 75 Resp: 254108
Ion Ratio Lower Upper
75 100
77 31.9 25.7 38.5
39 39.5 31.9 47.9





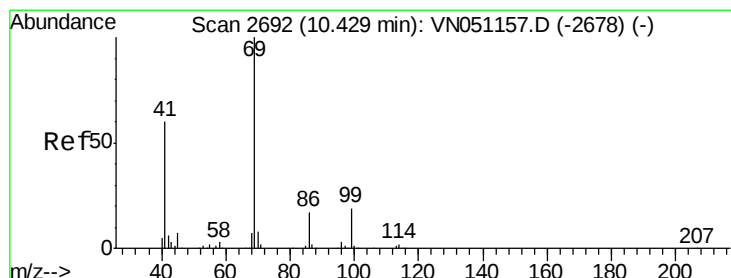
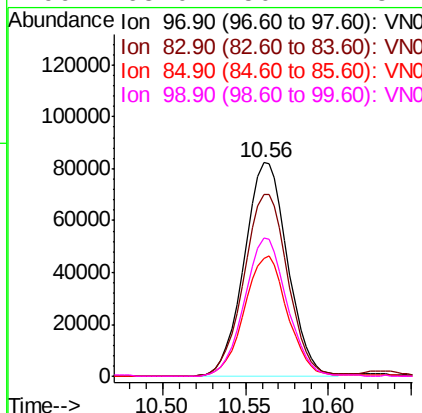
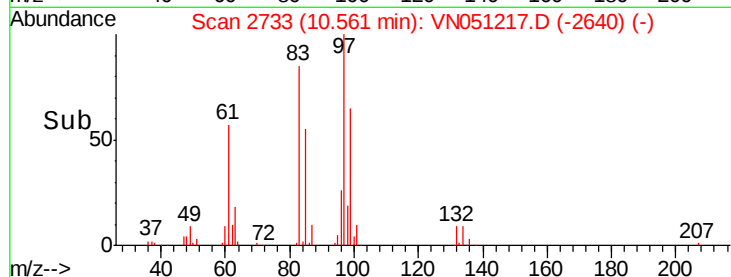
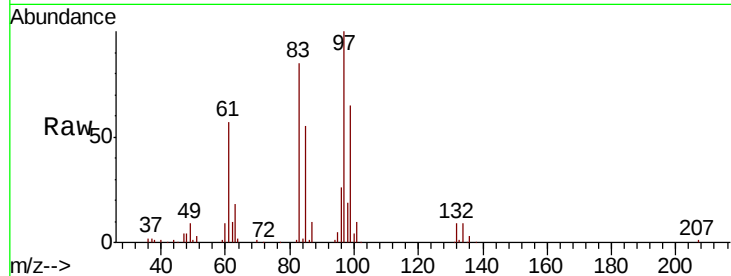
#55
 1,1,2-Trichloroethane
 Concen: 19.81 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051217.D
 Acq: 15 Sep 2018 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Tot Ion:	97	Resp:	149729
Ion	Ratio	Lower	Upper
97	100		
83	85.2	68.2	102.2
85	55.3	44.8	67.2
99	65.0	50.2	75.4

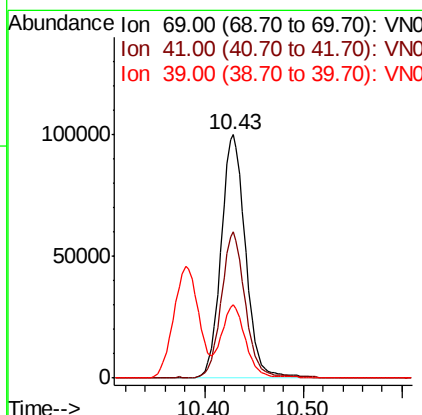
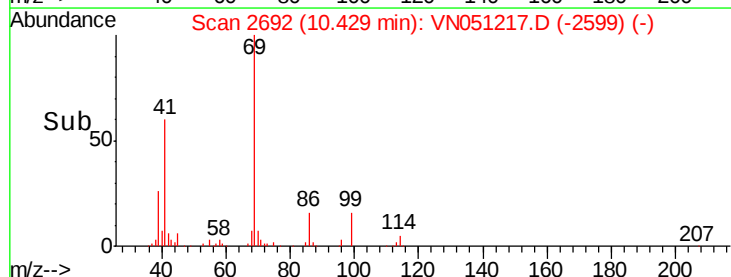
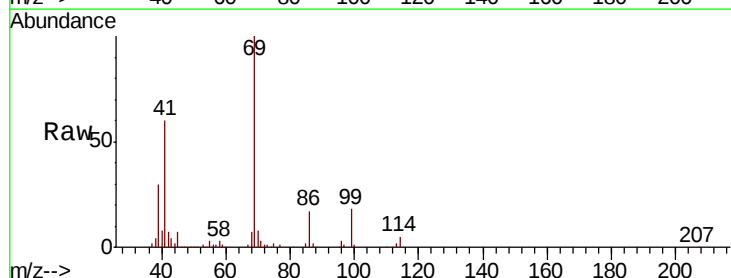
Manual Integrations
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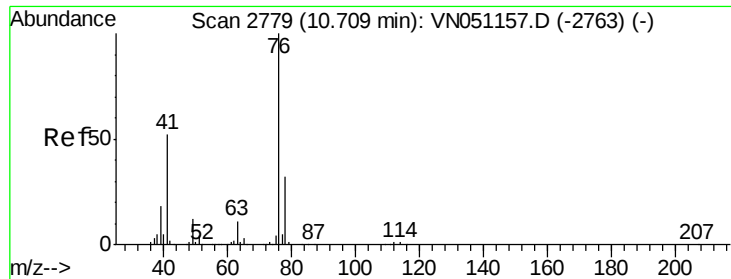
MMDadoda
 9/18/2018 4:31:32 PM



#56
 Ethyl methacrylate
 Concen: 18.72 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051217.D
 Acq: 15 Sep 2018 12:57

Tgt Ion:	69	Resp:	173447
Ion	Ratio	Lower	Upper
69	100		
41	59.9	47.8	71.8
39	29.9	23.0	34.4





#57

1,3-Dichloropropane

Concen: 19.69 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051217.D

Acq: 15 Sep 2018 12:57

Instrument :

MSVOA_N

ClientSampled :

VN0915WBS01

Tot Ion: 76 Resp: 246672

Ion Ratio Lower Upper

76 100

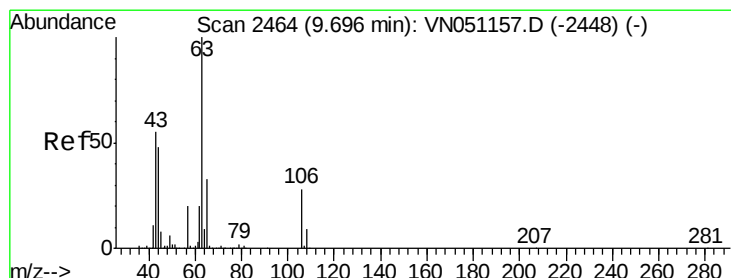
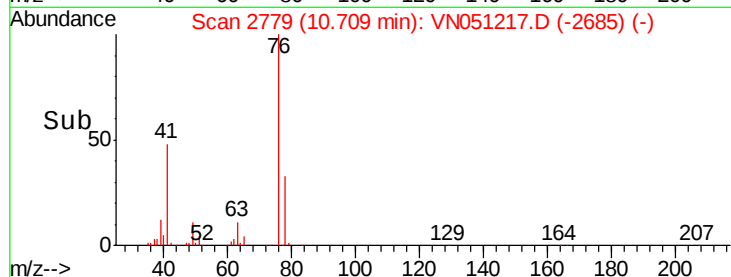
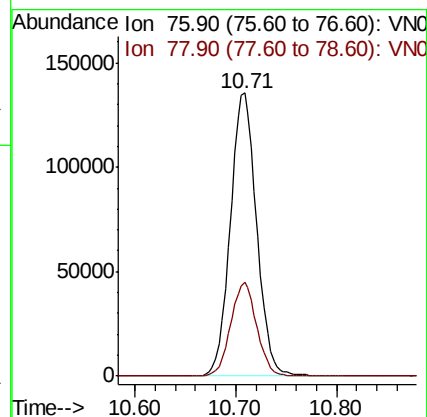
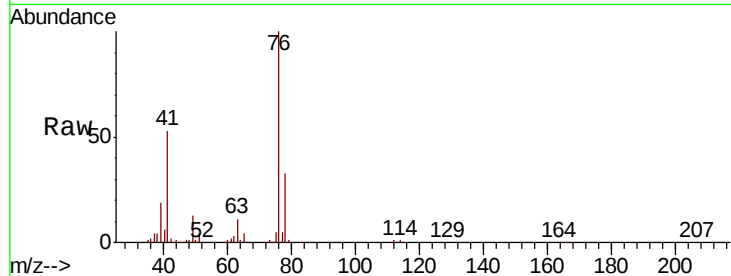
78 32.8 26.1 39.1

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#58

2-Chloroethyl Vinyl ether

Concen: 86.93 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051217.D

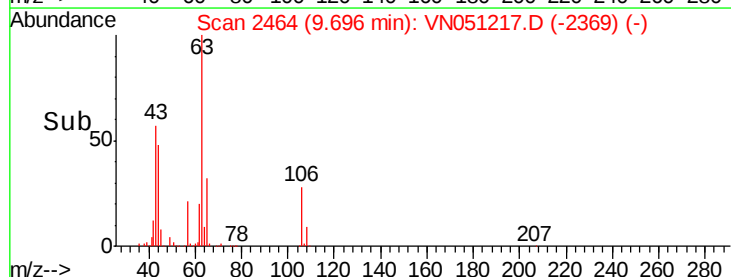
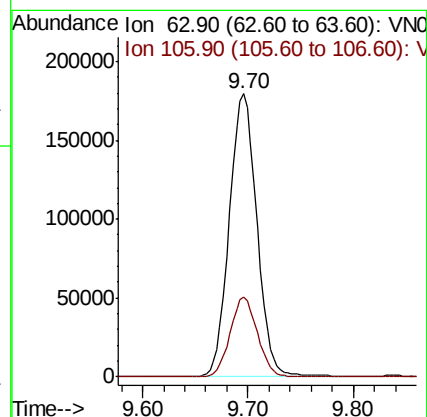
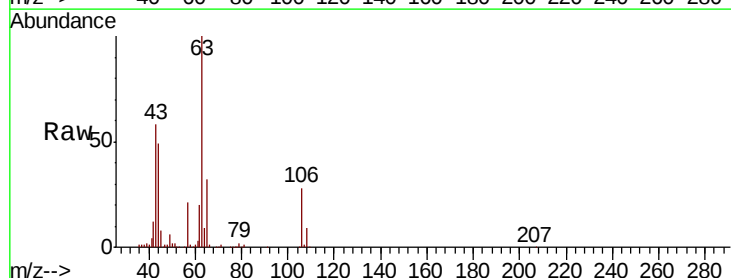
Acq: 15 Sep 2018 12:57

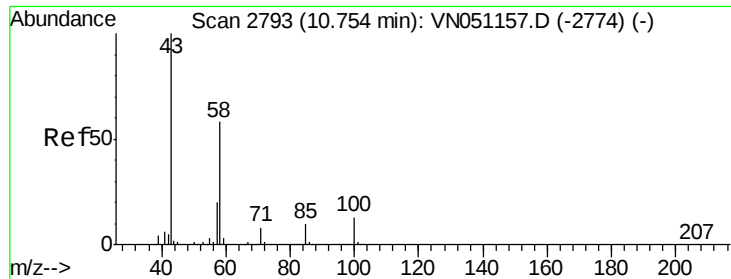
Tgt Ion: 63 Resp: 325543

Ion Ratio Lower Upper

63 100

106 27.9 22.5 33.7





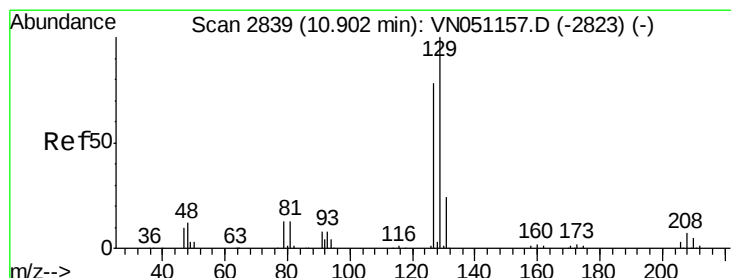
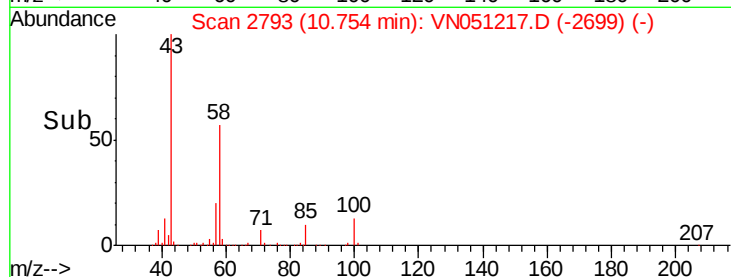
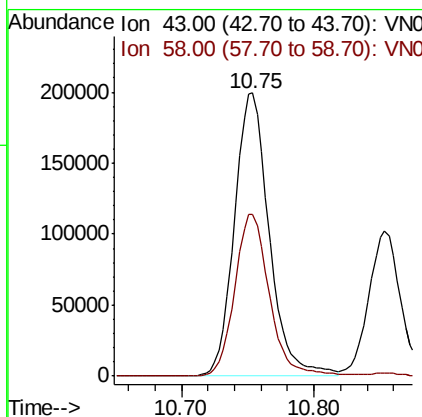
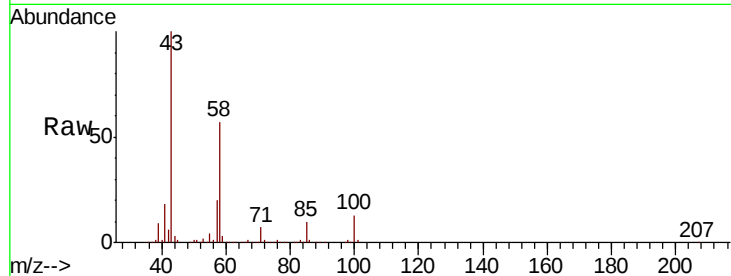
#59
2-Hexanone
Concen: 83.44 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tot Ion: 43 Resp: 362084
Ion Ratio Lower Upper
43 100
58 57.3 29.3 88.0

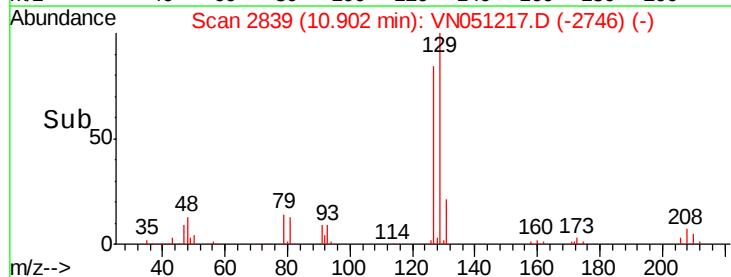
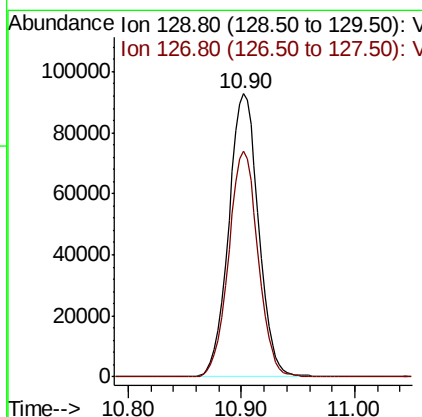
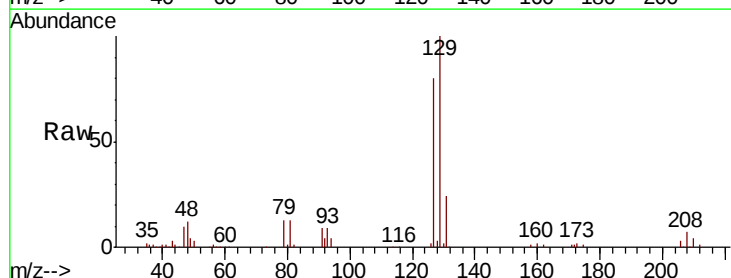
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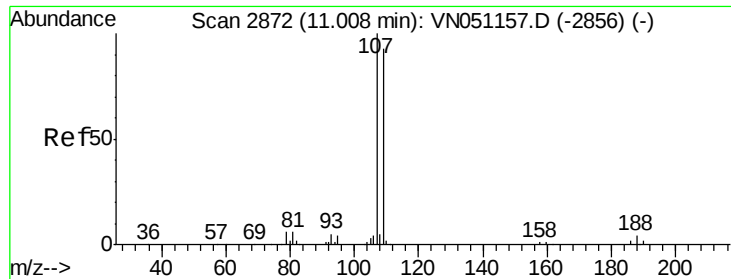
MMDadoda
9/18/2018 4:31:32 PM



#60
Dibromochloromethane
Concen: 19.99 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Tgt Ion: 129 Resp: 170316
Ion Ratio Lower Upper
129 100
127 78.8 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.67 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051217.D

Acq: 15 Sep 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tot Ion: 107 Resp: 145347

Ion Ratio Lower Upper

107 100

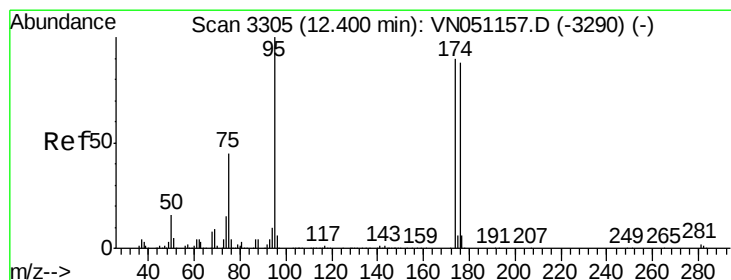
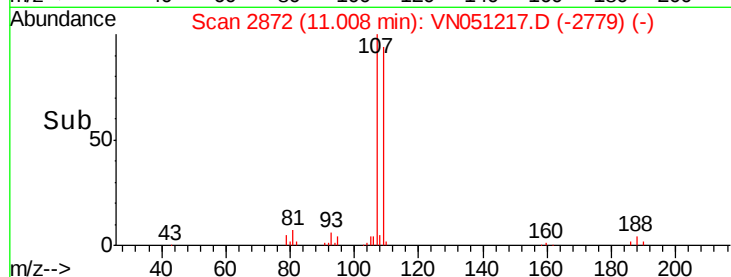
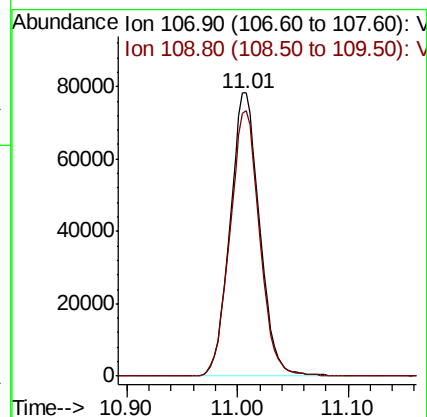
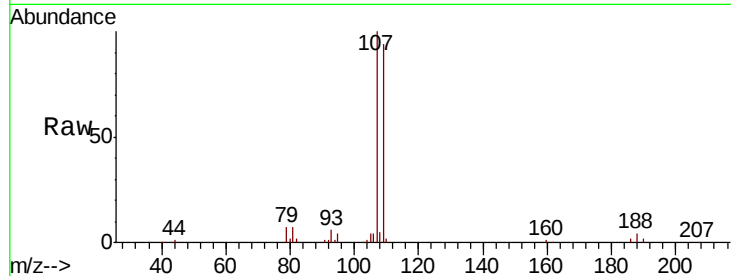
109 94.2 76.0 114.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 44.33 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051217.D

Acq: 15 Sep 2018 12:57

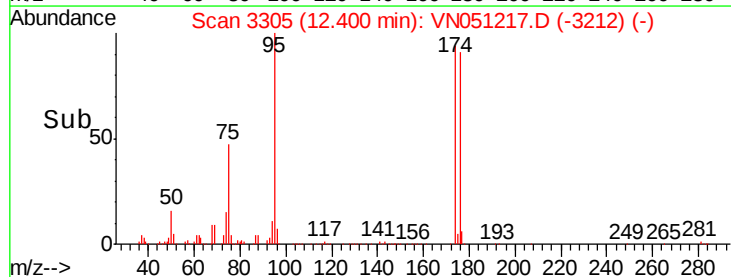
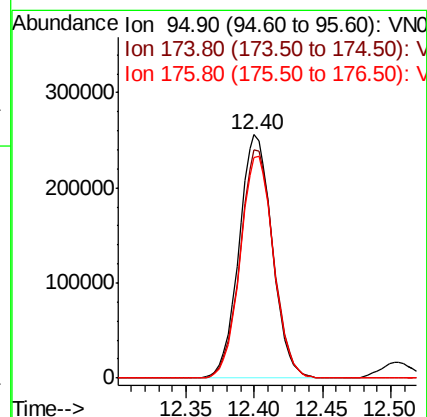
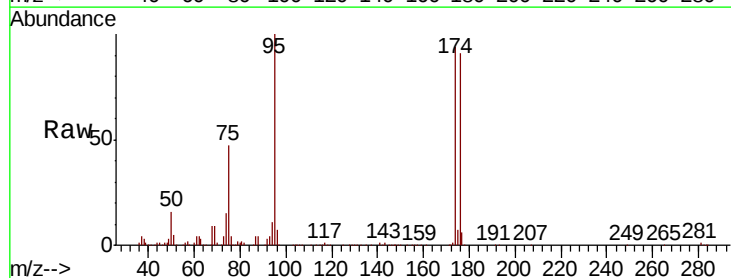
Tgt Ion: 95 Resp: 431173

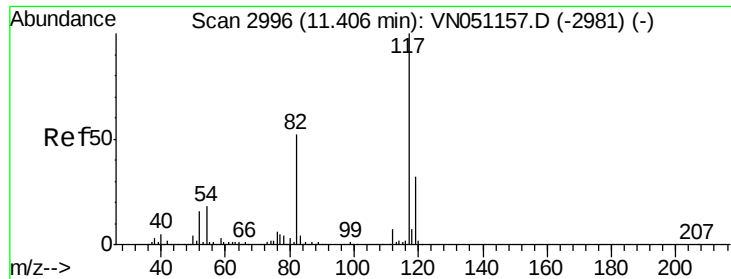
Ion Ratio Lower Upper

95 100

174 94.2 0.0 184.8

176 91.8 0.0 178.6





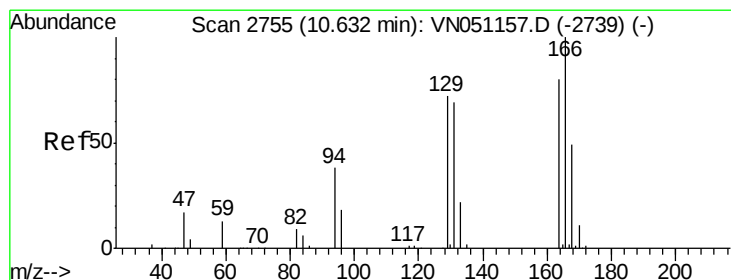
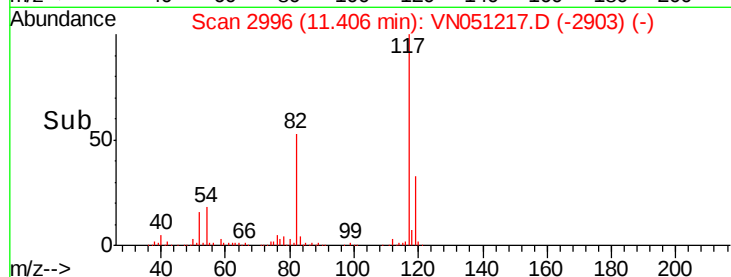
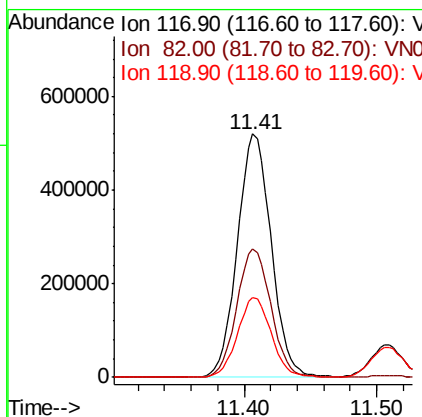
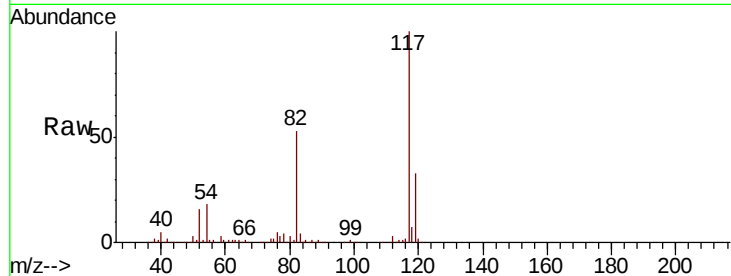
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	924613		
82	53.0		41.8	62.6
119	33.0		26.2	39.2

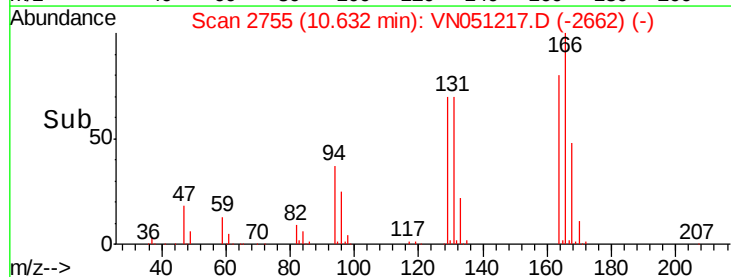
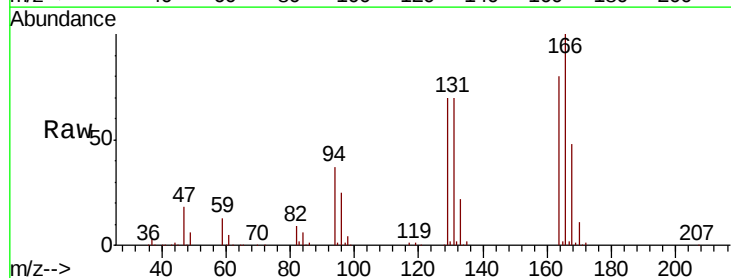
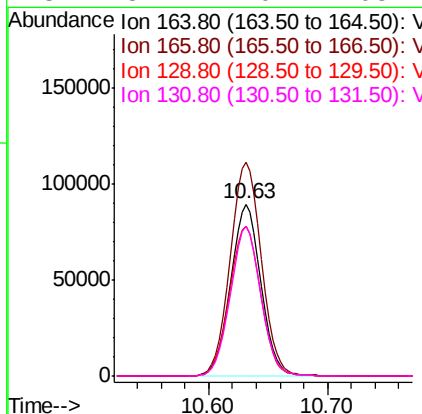
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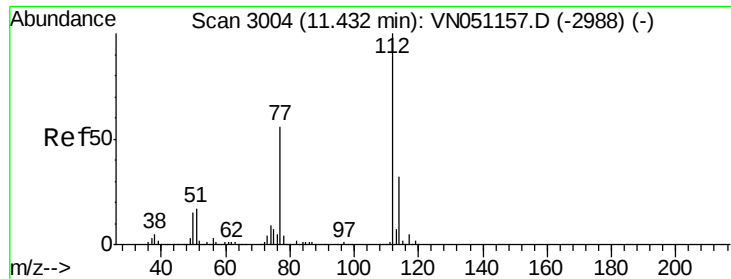
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#64
Tetrachloroethene
Concen: 18.68 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	157594		
166	124.5		101.3	151.9
129	87.2		72.2	108.2
131	87.1		70.2	105.2





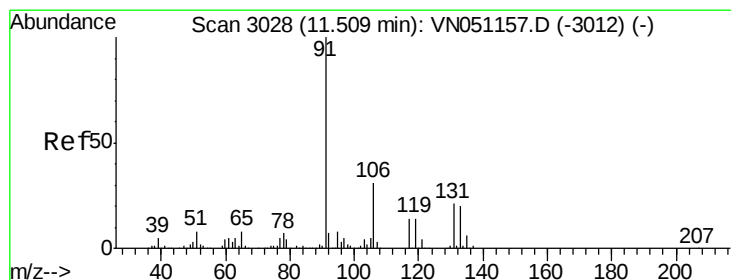
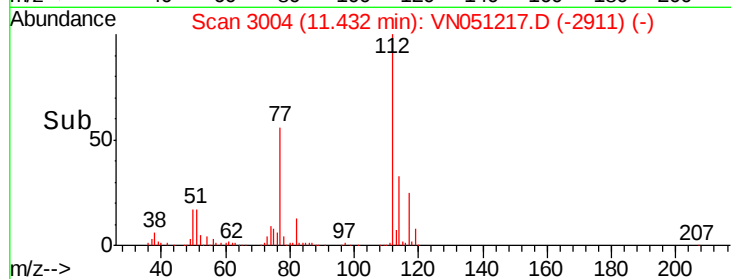
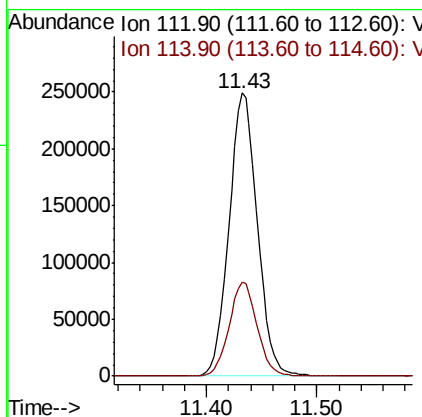
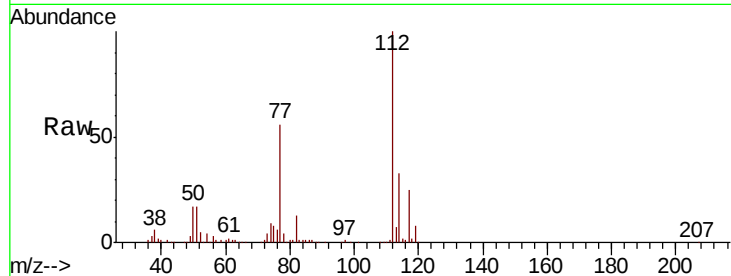
#65
Chlorobenzene
Concen: 18.98 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	442381		
114	33.1	25.8	38.6	

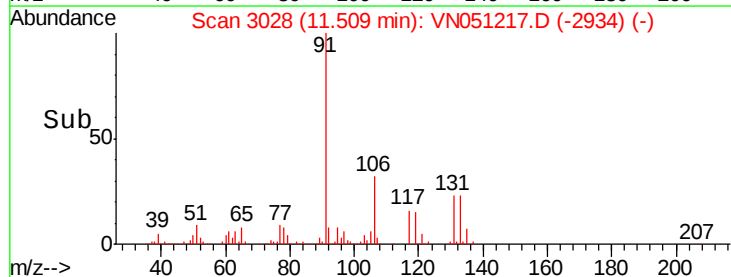
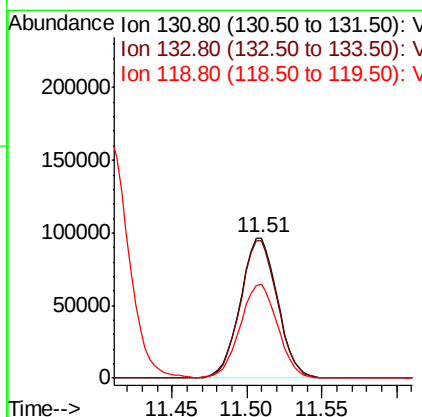
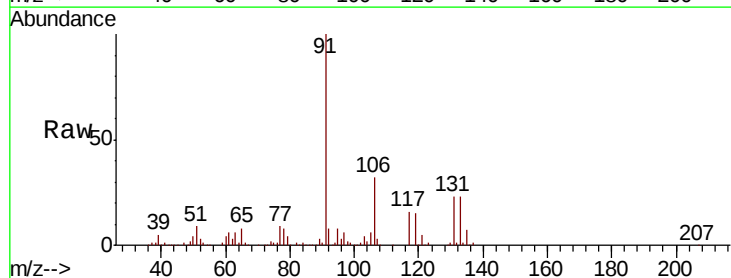
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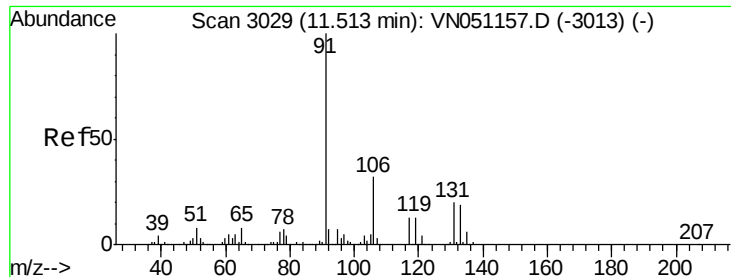
MMDadoda
9/18/2018 4:31:32 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.93 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	167279		
133	97.4	47.5	142.6	
119	67.4	33.2	99.6	





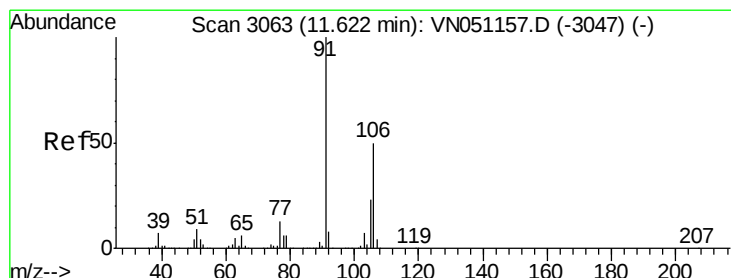
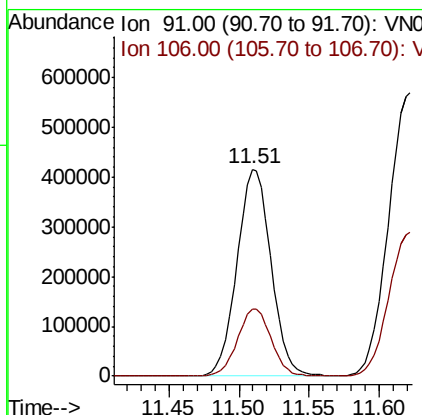
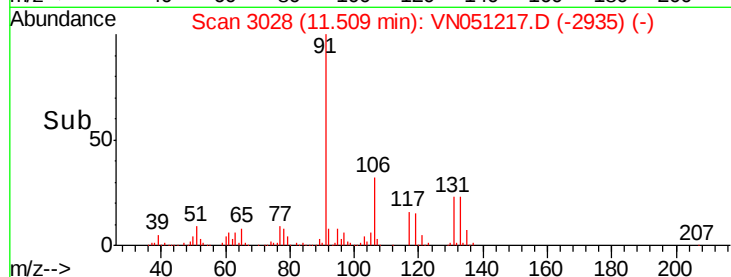
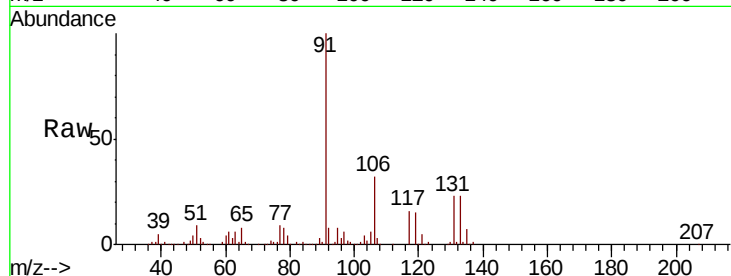
#67
Ethyl Benzene
Concen: 18.65 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tot Ion: 91 Resp: 703989
Ion Ratio Lower Upper
91 100
106 32.3 25.4 38.2

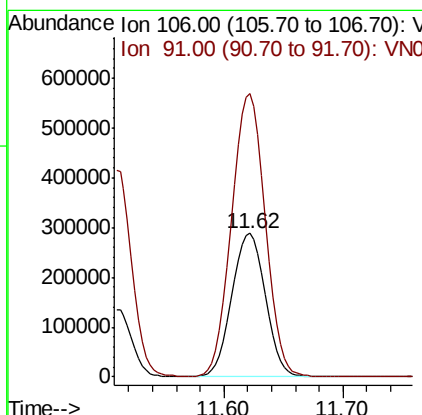
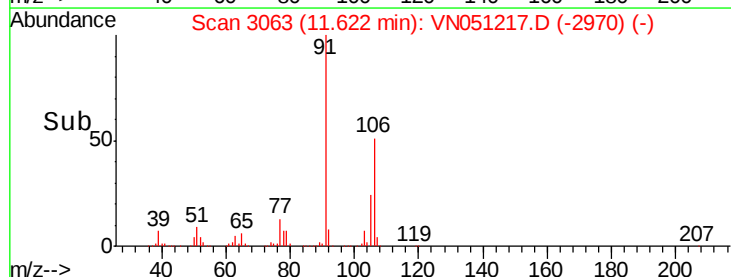
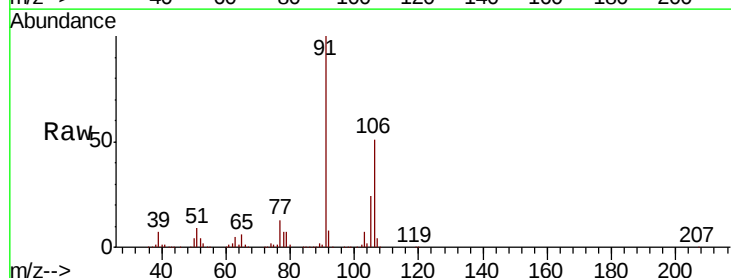
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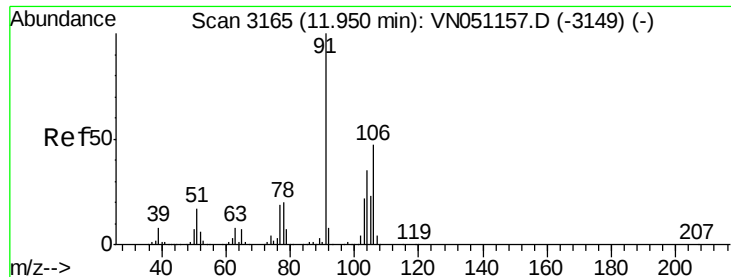
MMDadoda
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#68
m/p-Xylenes
Concen: 39.02 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Tgt Ion: 106 Resp: 565835
Ion Ratio Lower Upper
106 100
91 197.5 159.8 239.6





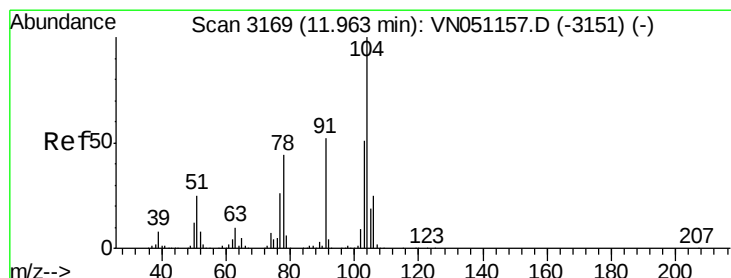
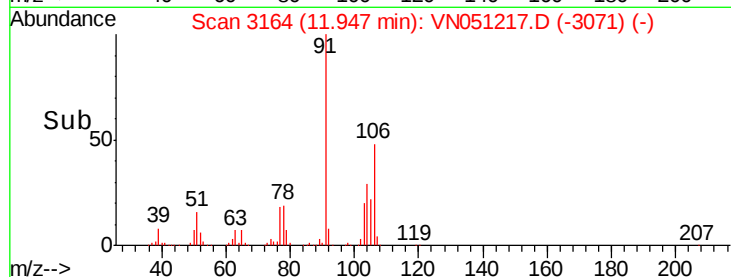
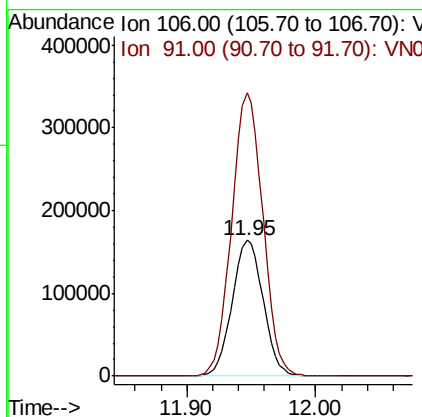
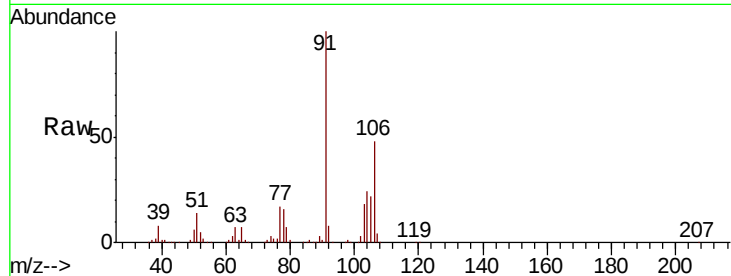
#69
o-Xylene
Concen: 19.58 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.9	105.1	315.1

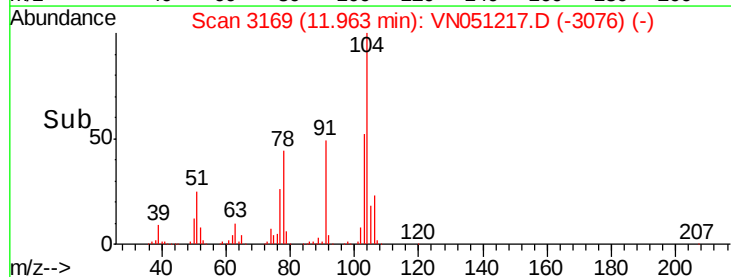
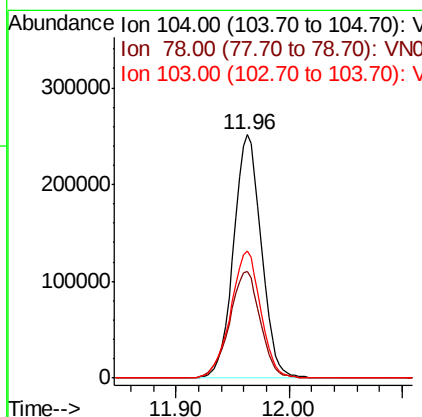
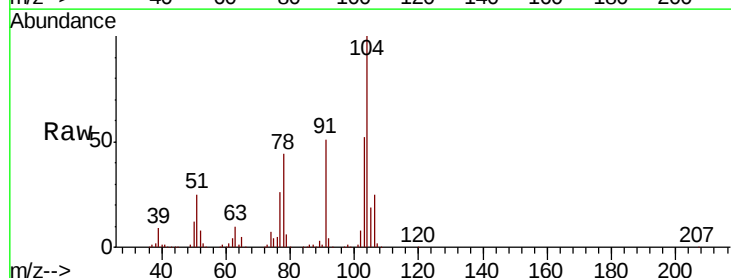
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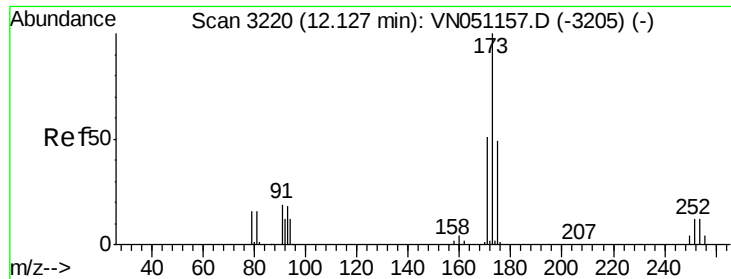
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9/18/2018 4:31:32 PM



#70
Styrene
Concen: 19.79 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.7	37.7	56.5
103	56.4	44.6	67.0





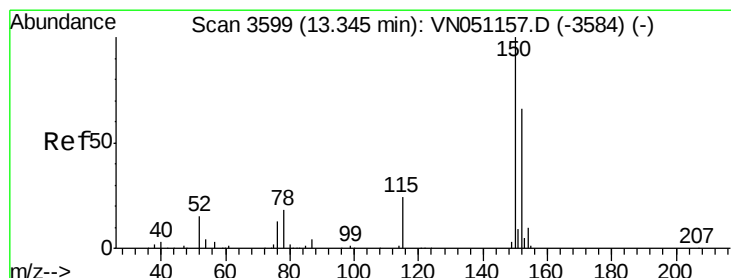
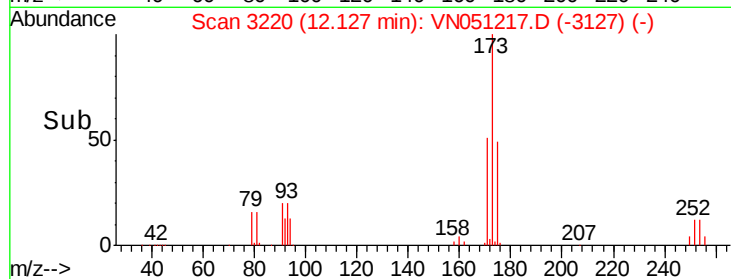
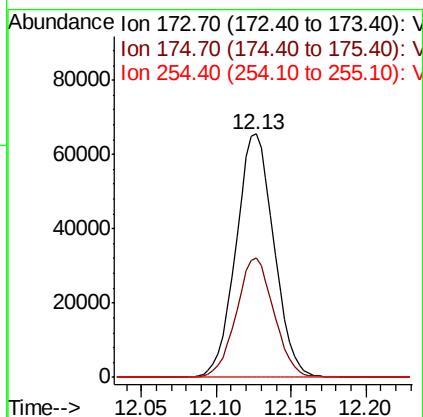
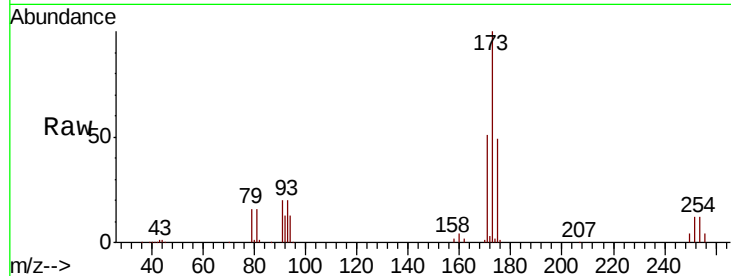
#71
Bromoform
Concen: 19.58 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	72.9
254	0.1	0.0	0.0#

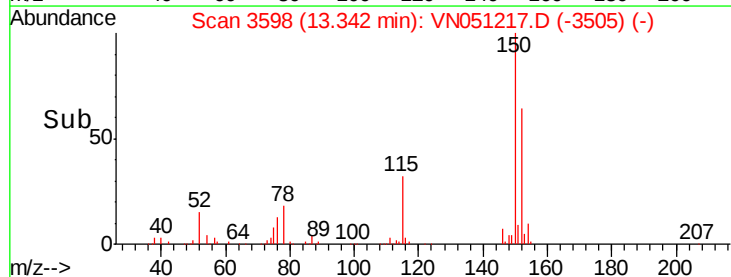
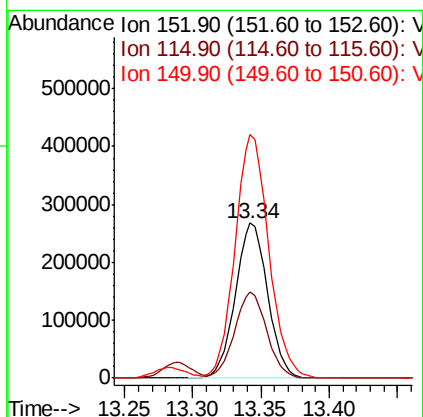
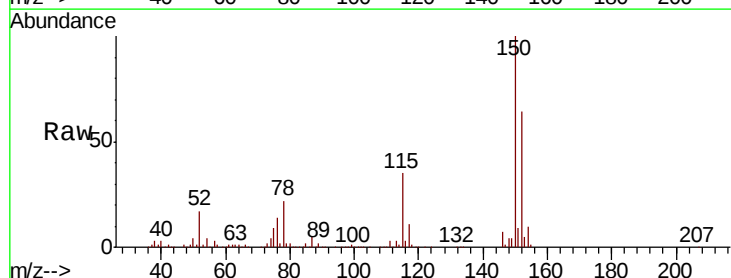
Manual Integrations
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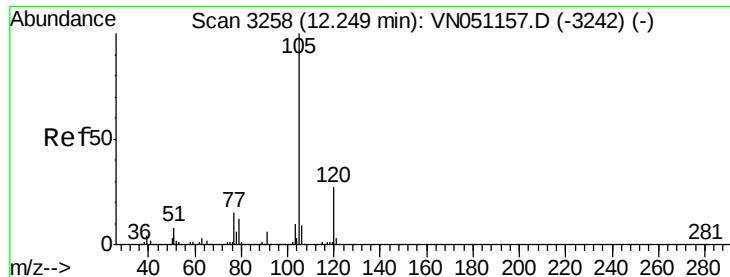
MMDadoda
9/18/2018 4:31:32 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	28.2	84.7
150	163.9	0.0	349.0





#73

Isopropylbenzene

Concen: 18.86 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051217.D

Acq: 15 Sep 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tot Ion: 105 Resp: 694155

Ion Ratio Lower Upper

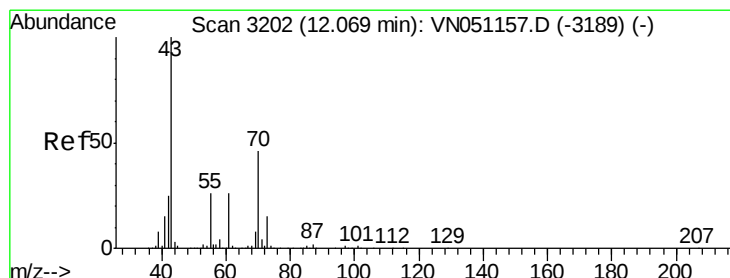
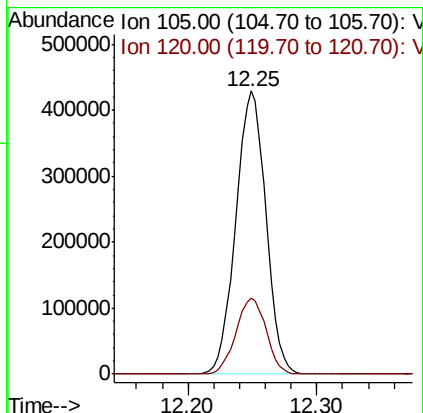
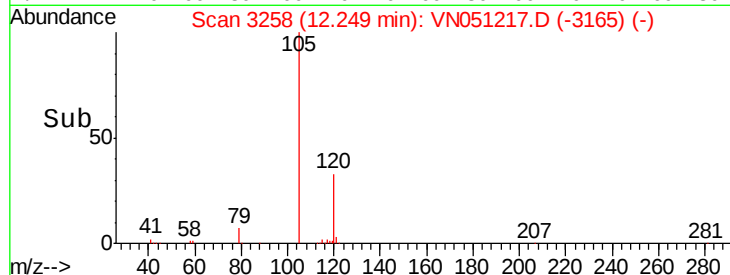
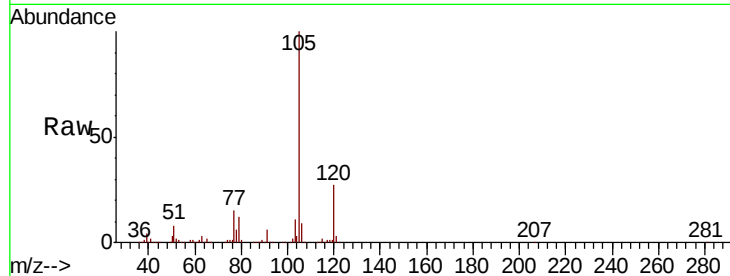
105 100

120 27.1 13.6 40.7

Manual Integrations
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#74

N-ethyl acetate

Concen: 16.76 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051217.D

Acq: 15 Sep 2018 12:57

Tgt Ion: 43 Resp: 155277

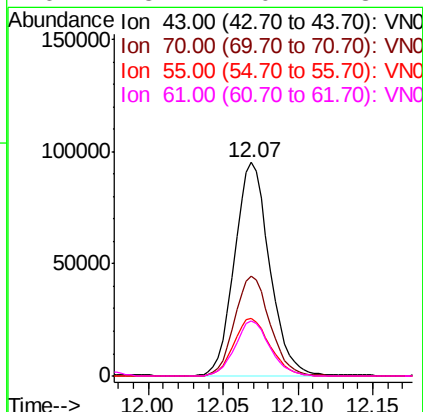
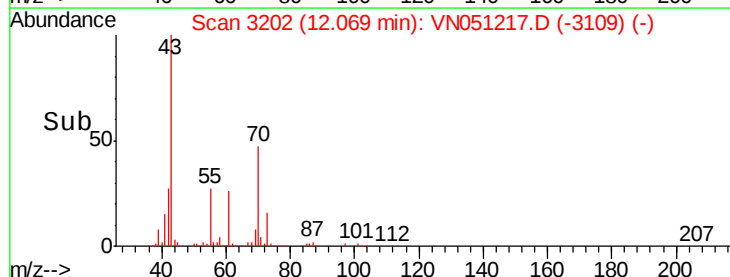
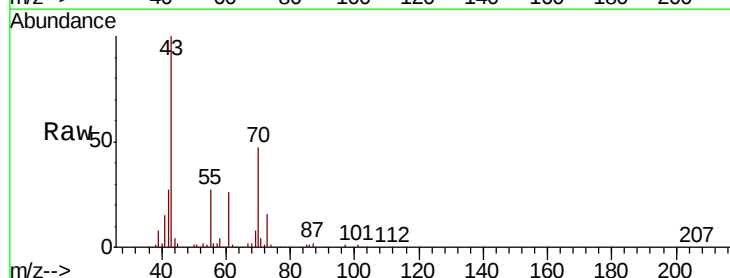
Ion Ratio Lower Upper

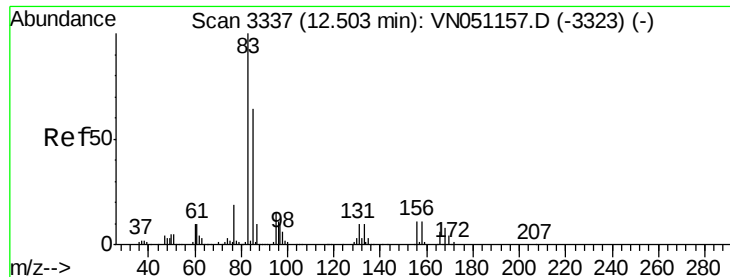
43 100

70 47.3 37.0 55.4

55 27.8 21.3 31.9

61 25.7 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.91 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051217.D

Acq: 15 Sep 2018 12:57

Instrument :

MSVOA_N

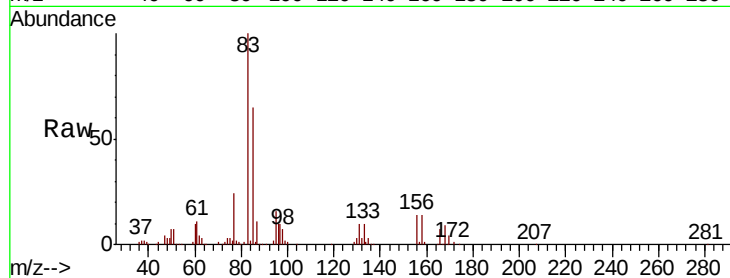
ClientSampled :

VN0915WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.3	16.1
85	64.6	32.3	96.8

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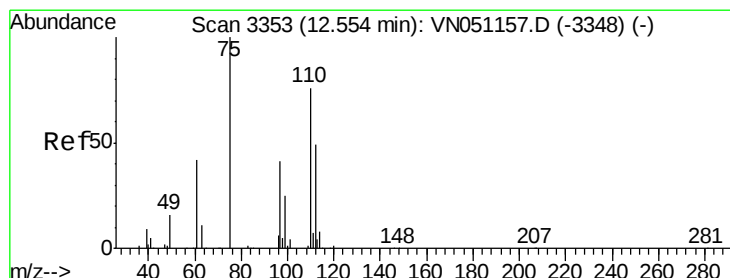
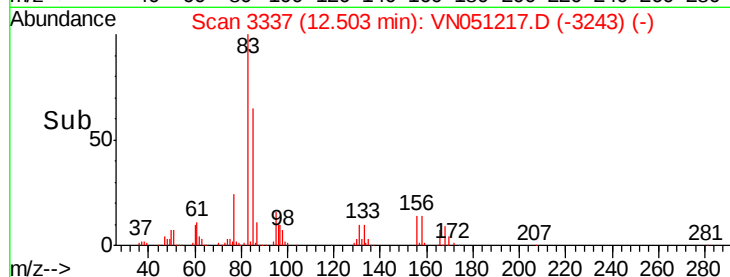
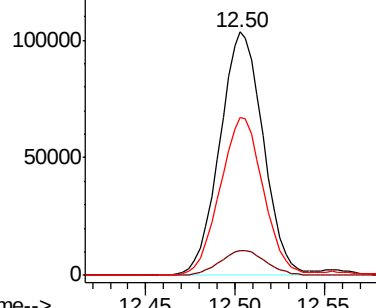
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Abundance Ion 82.90 (82.60 to 83.60): VN051217.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN051217.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN051217.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 19.73 ug/l m

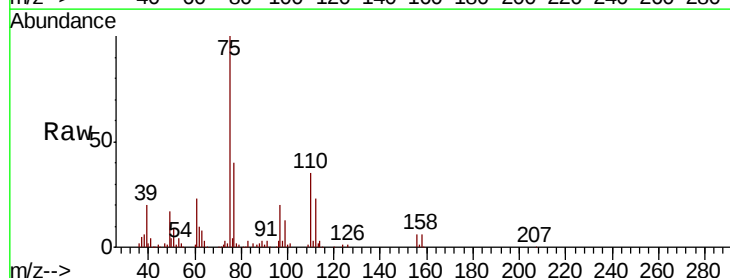
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051217.D

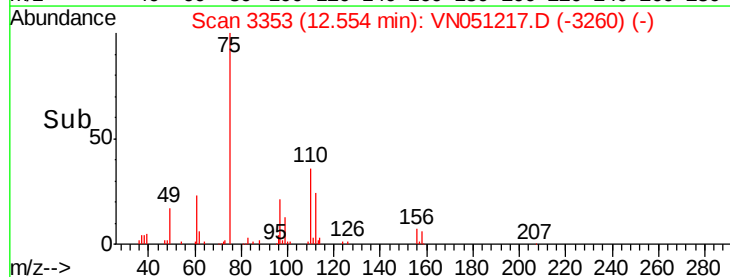
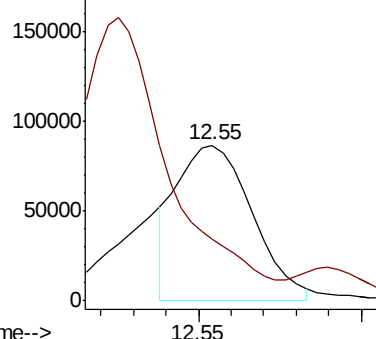
Acq: 15 Sep 2018 12:57

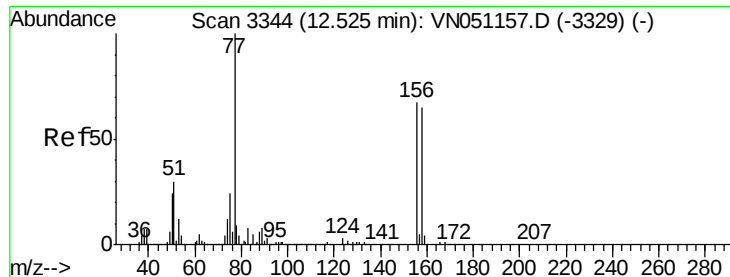
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051217.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN051217.D (-3353) (-)





#77

Bromobenzene

Concen: 18.79 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051217.D

Acq: 15 Sep 2018 12:57

Instrument :

MSVOA_N

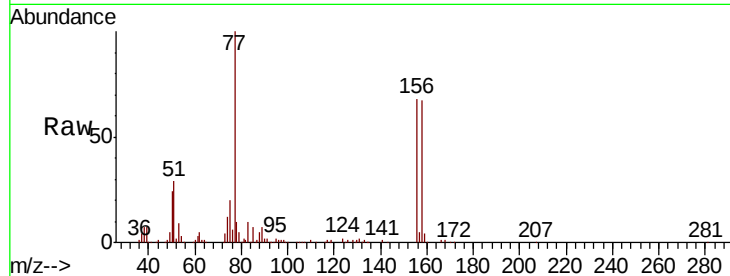
ClientSampleId :

VN0915WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		185742		
77	170.3	87.5	262.6		
158	98.4	49.0	147.2		

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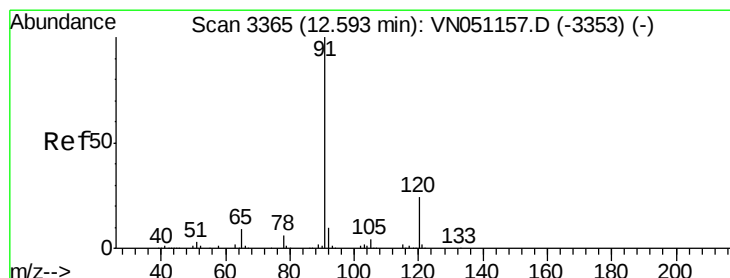
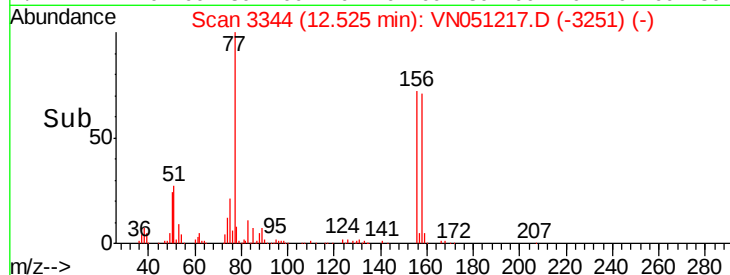
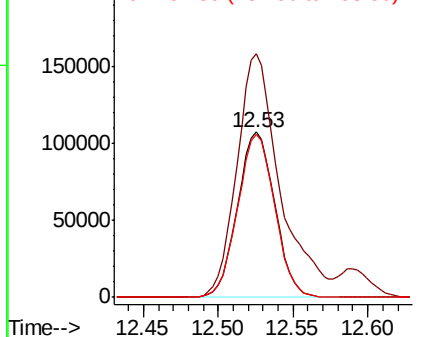


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.92 ug/l

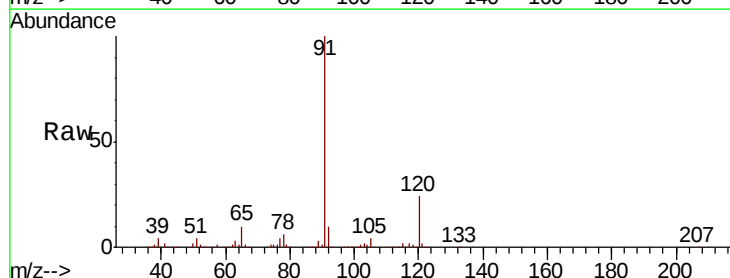
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051217.D

Acq: 15 Sep 2018 12:57

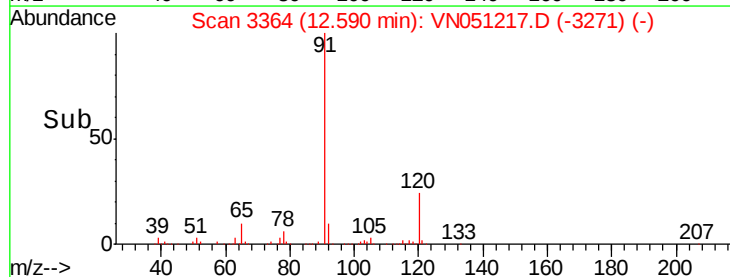
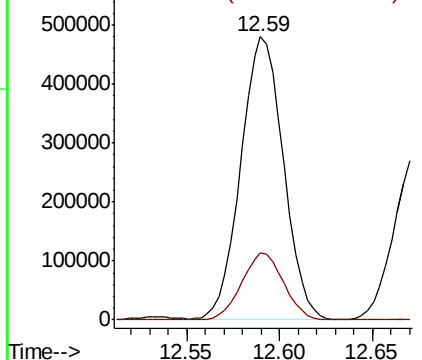
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		765489		
120	23.4	12.0	36.0		

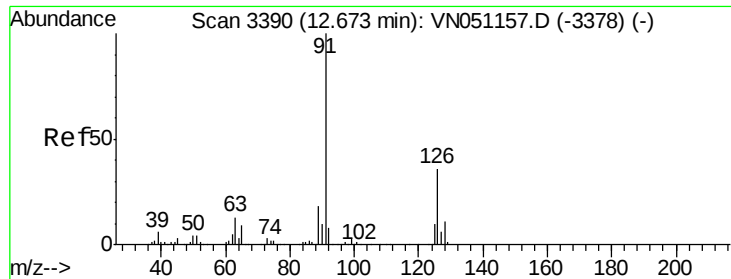


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.72 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051217.D

Acq: 15 Sep 2018 12:57

Instrument :

MSVOA_N

ClientSampled :

VN0915WBS01

Tot Ion: 91 Resp: 473473

Ion Ratio Lower Upper

91 100

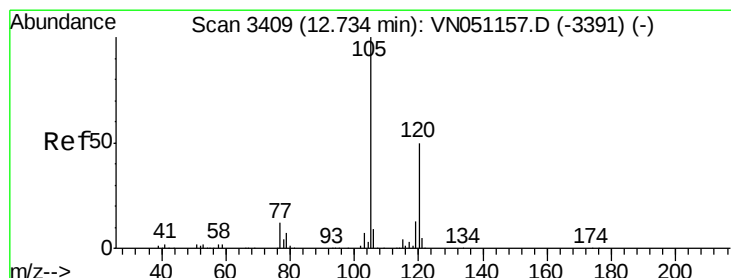
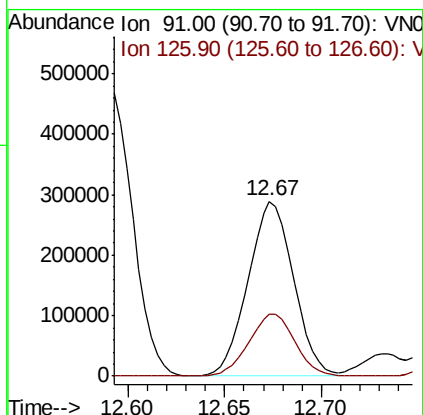
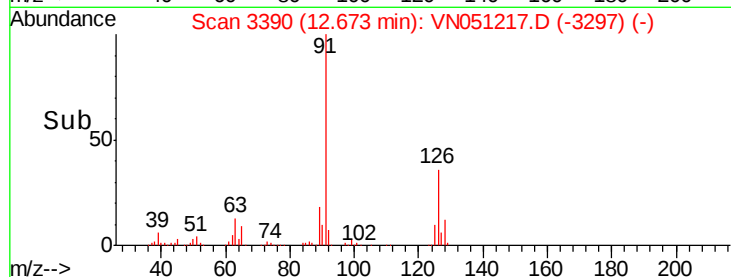
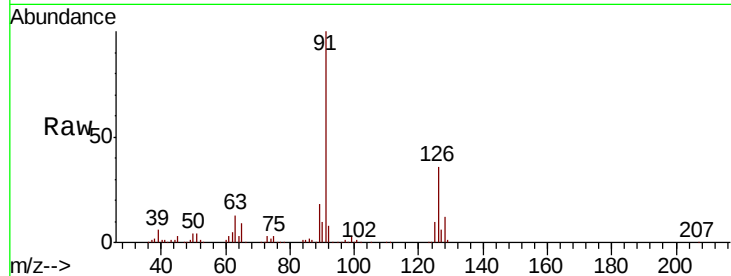
126 36.2 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.39 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051217.D

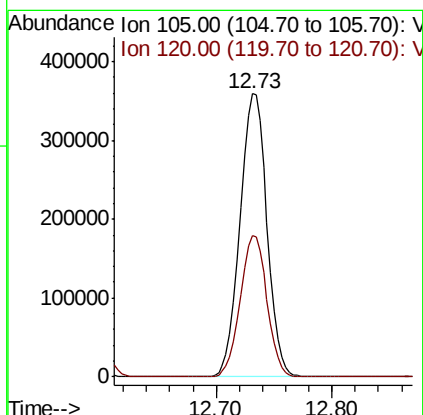
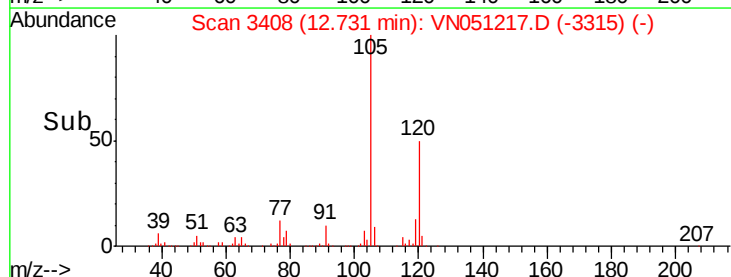
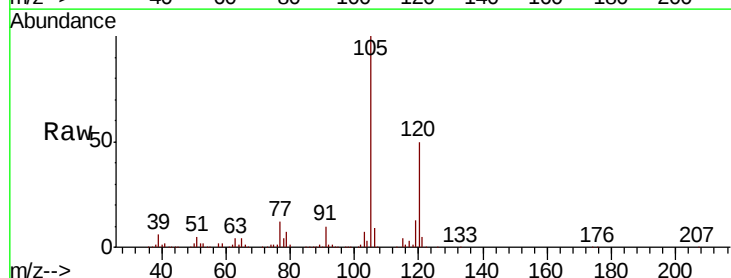
Acq: 15 Sep 2018 12:57

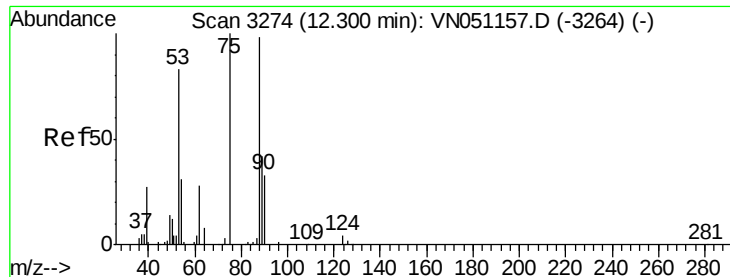
Tgt Ion: 105 Resp: 577194

Ion Ratio Lower Upper

105 100

120 49.6 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 17.32 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051217.D

Acq: 15 Sep 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tot Ion: 75 Resp: 40033

Ion Ratio Lower Upper

75 100

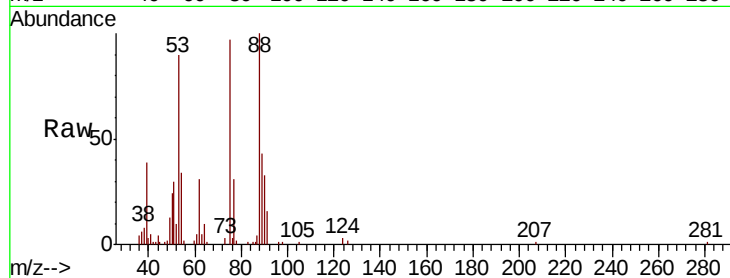
53 90.5 67.8 101.8

89 44.8 36.0 54.0

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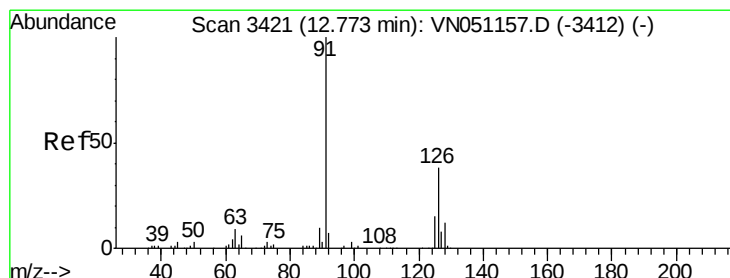
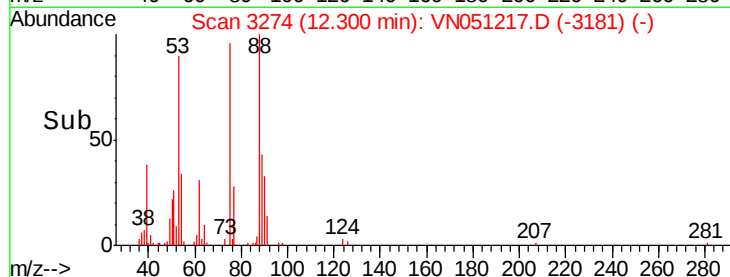
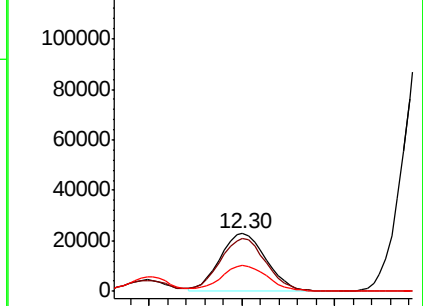
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 18.30 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051217.D

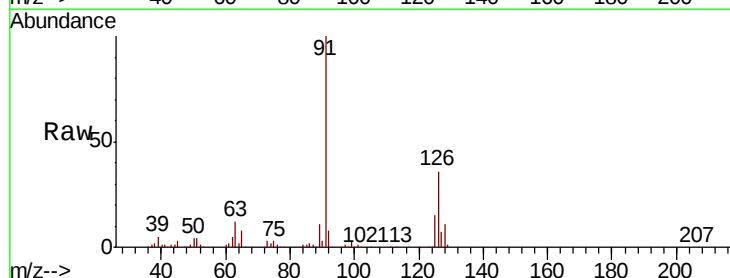
Acq: 15 Sep 2018 12:57

Tgt Ion: 91 Resp: 459535

Ion Ratio Lower Upper

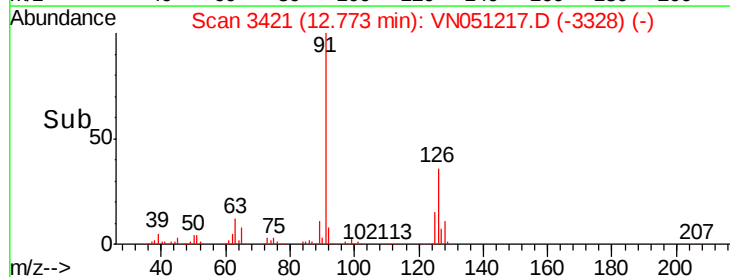
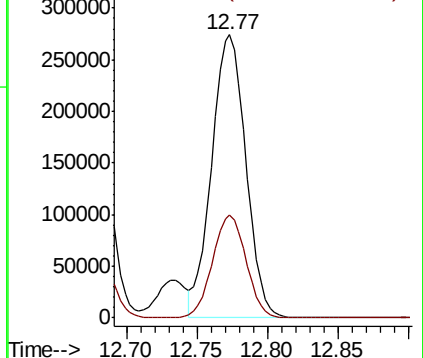
91 100

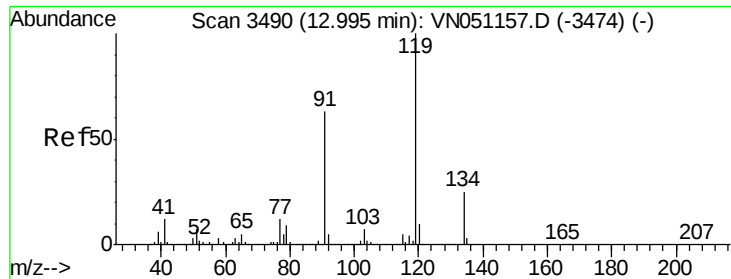
126 35.8 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





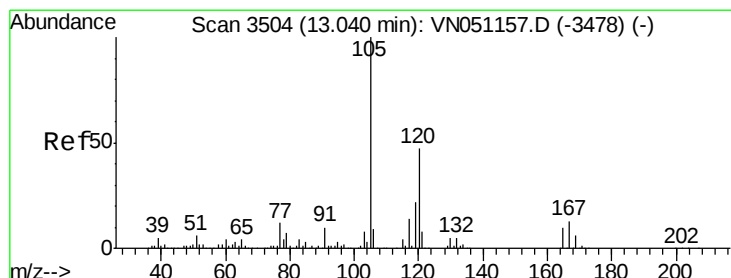
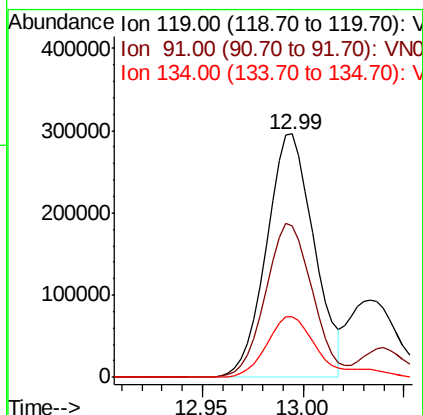
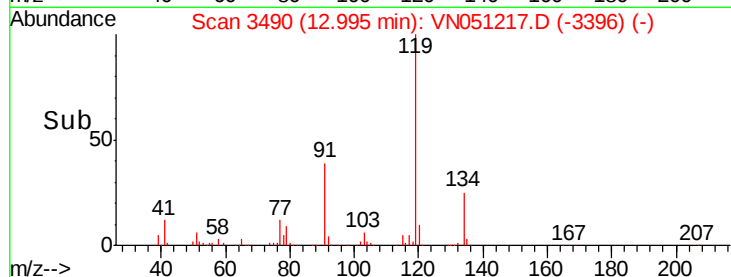
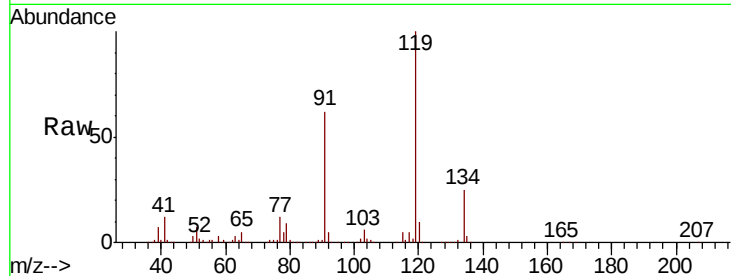
#83
 tert-Butylbenzene
 Concen: 18.46 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051217.D
 Acq: 15 Sep 2018 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	484915		
91	62.2		30.8	92.3
134	27.5		13.2	39.6

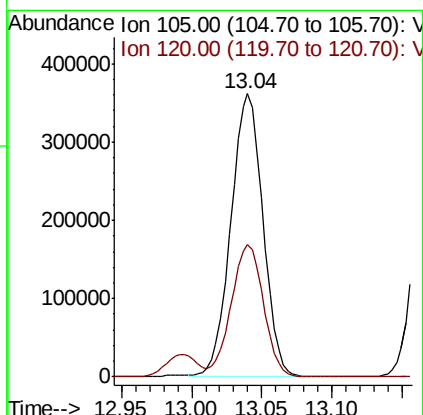
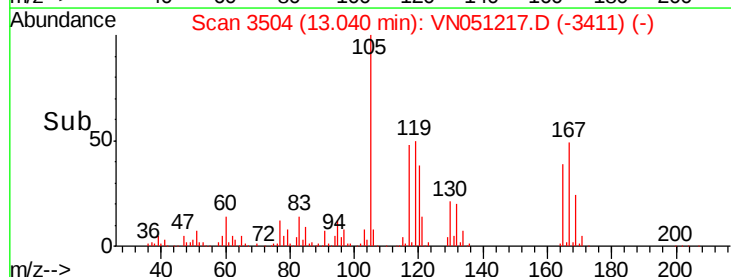
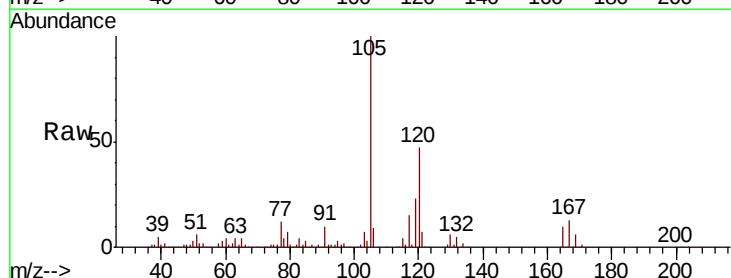
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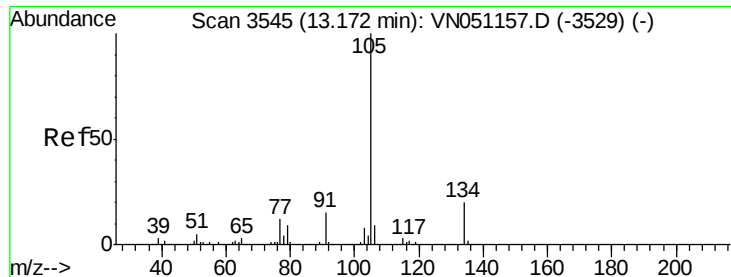
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.63 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051217.D
 Acq: 15 Sep 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	574465		
120	47.2		23.3	69.8





#85

sec-Butylbenzene

Concen: 18.69 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051217.D

Acq: 15 Sep 2018 12:57

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS01

Tot Ion:105 Resp: 629692

Ion Ratio Lower Upper

105 100

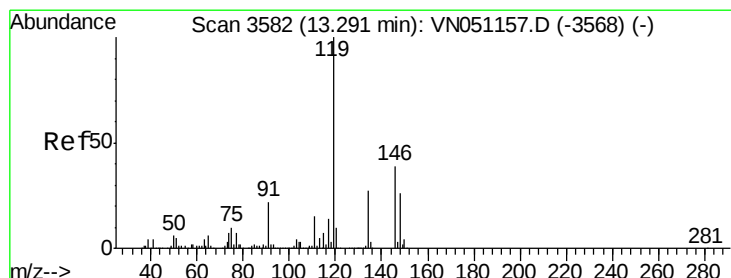
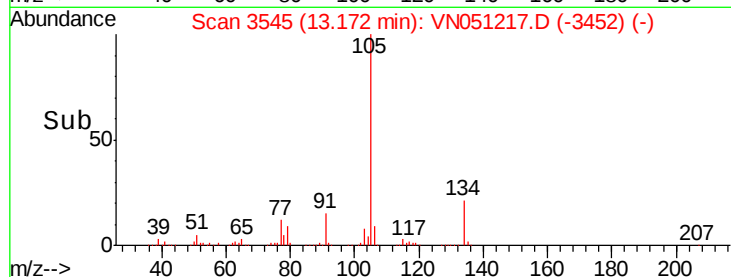
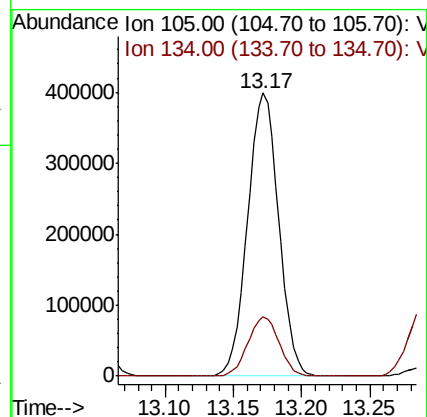
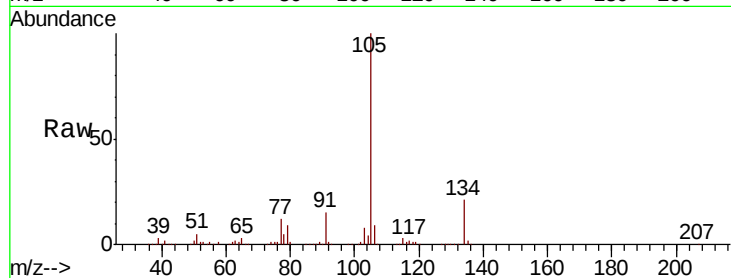
134 21.1 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 19.24 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051217.D

Acq: 15 Sep 2018 12:57

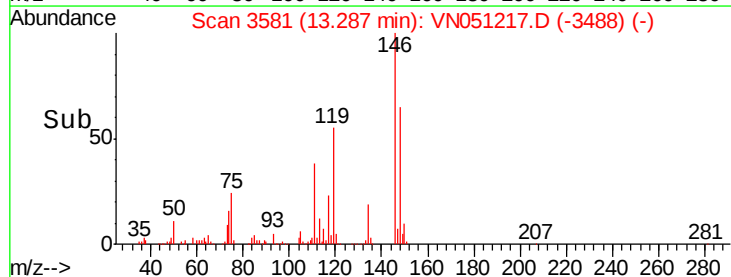
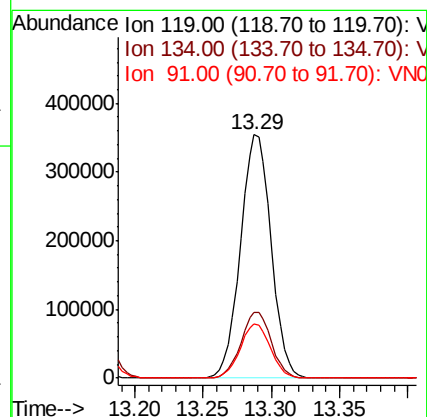
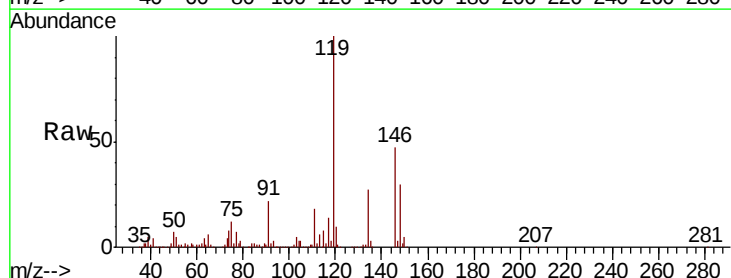
Tgt Ion:119 Resp: 549795

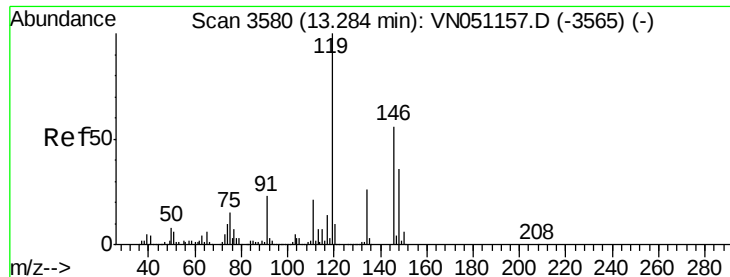
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 21.8 10.9 32.9





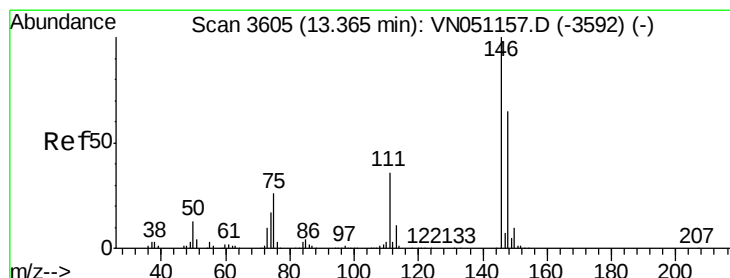
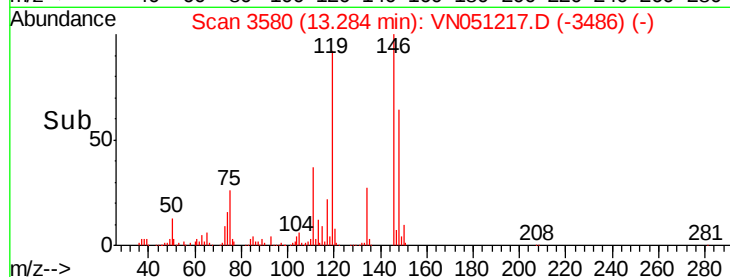
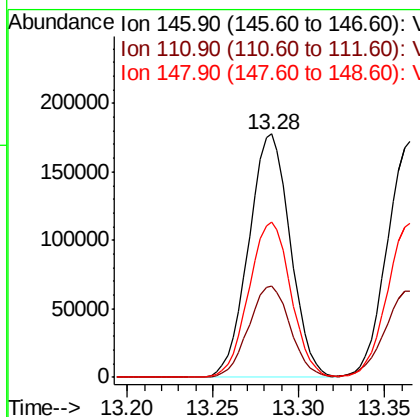
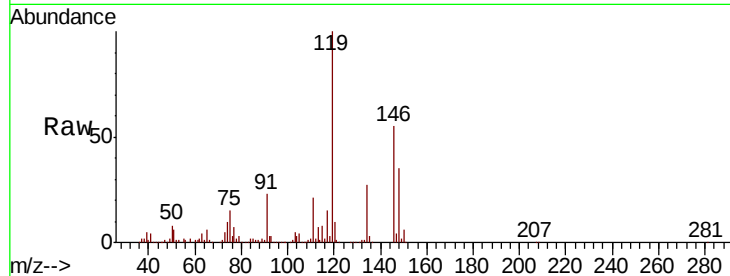
#87
 1,3-Dichlorobenzene
 Concen: 17.78 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051217.D
 Acq: 15 Sep 2018 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	298331		
111	37.7	19.1	57.1	
148	64.4	32.2	96.6	

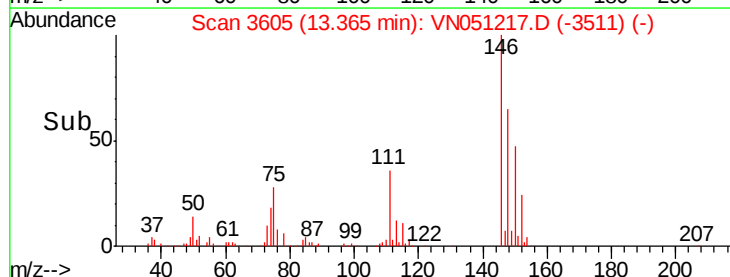
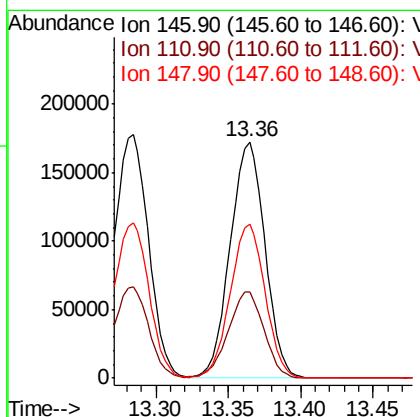
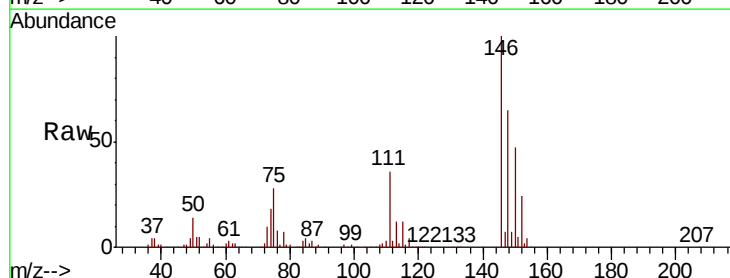
Manual Integrations
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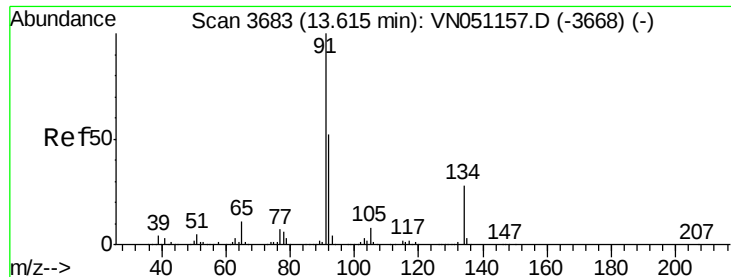
MMDadoda
 9/18/2018 4:31:32 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.71 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051217.D
 Acq: 15 Sep 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	287990		
111	37.7	18.4	55.0	
148	65.2	32.2	96.6	





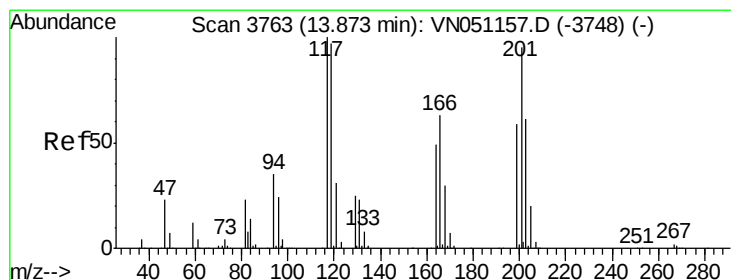
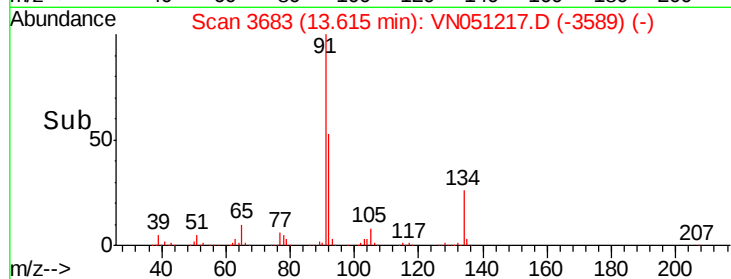
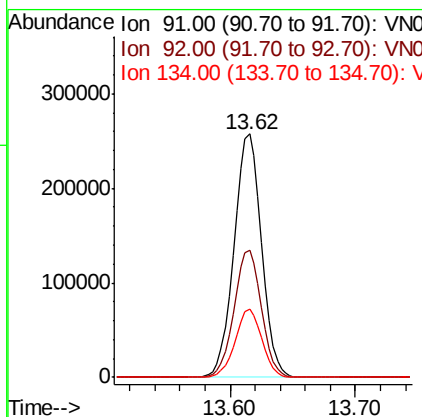
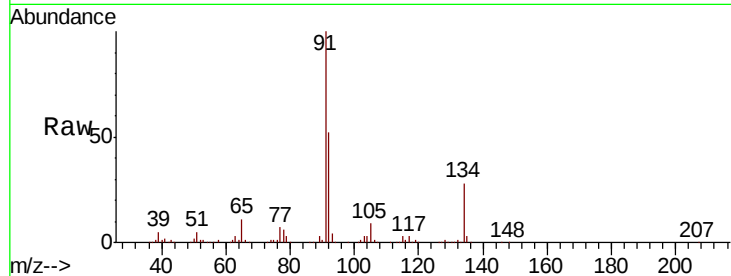
#89
n-Butylbenzene
Concen: 17.58 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.8	26.2	78.6	
134	27.3	13.7	41.1	

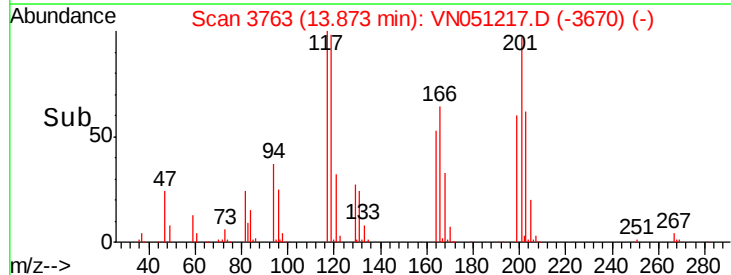
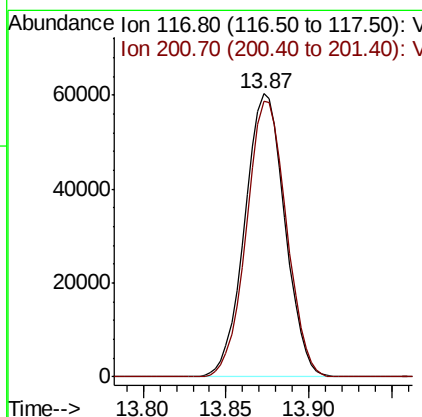
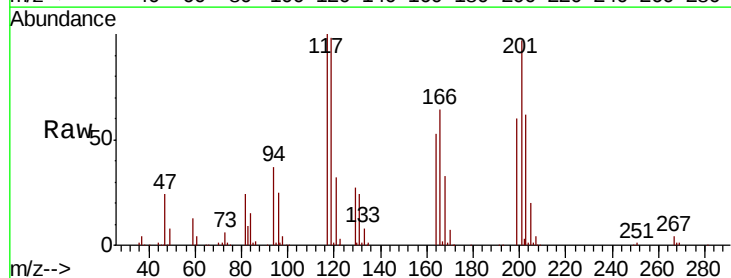
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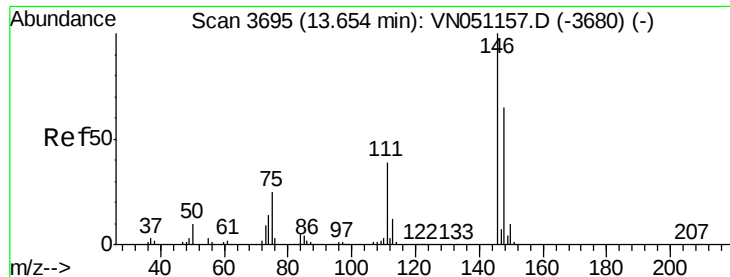
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#90
Hexachloroethane
Concen: 19.13 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	96.5	47.3	142.0	





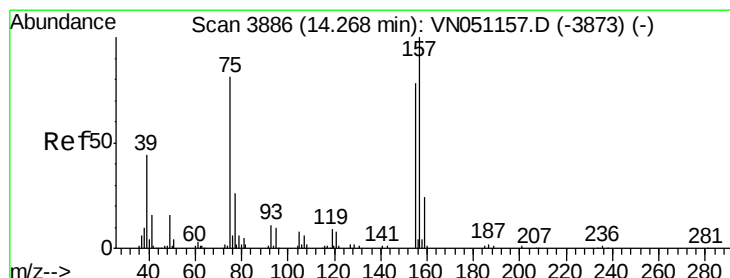
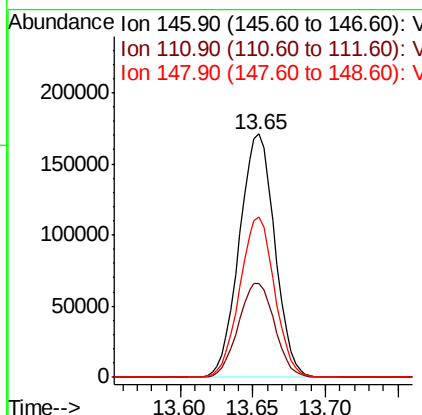
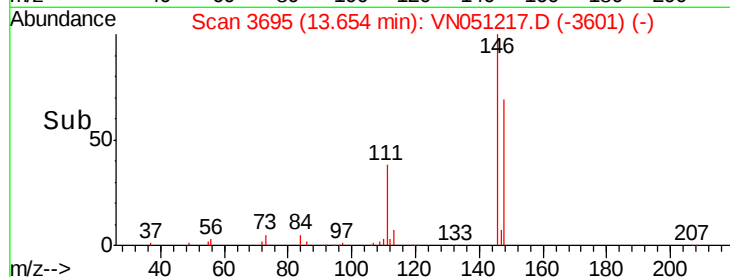
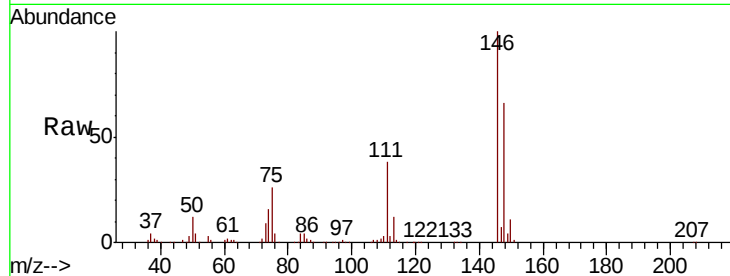
#91
 1,2-Dichlorobenzene
 Concen: 17.81 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051217.D
 Acq: 15 Sep 2018 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.0
148	64.7	32.1	96.3

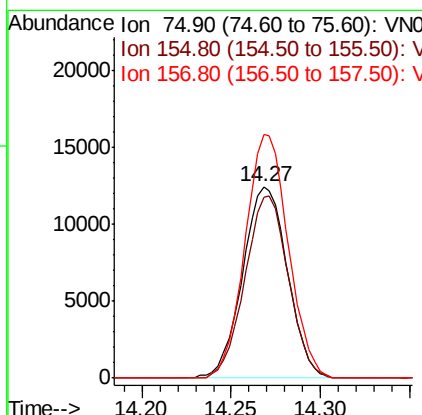
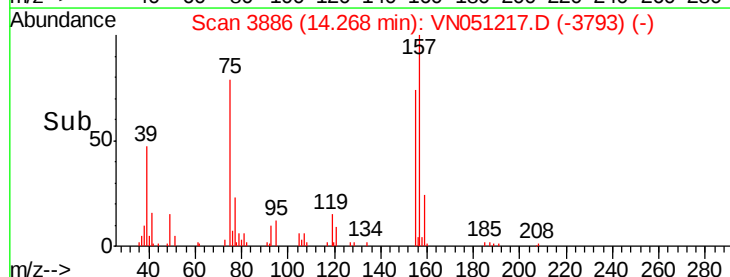
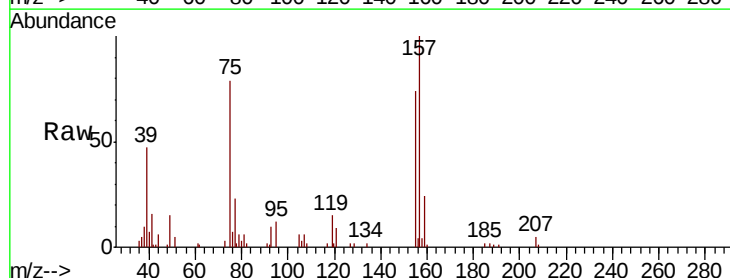
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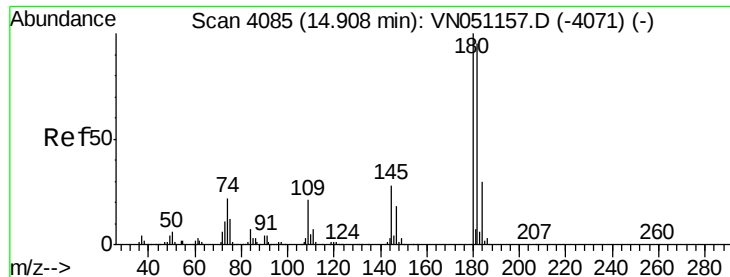
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.79 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051217.D
 Acq: 15 Sep 2018 12:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.0	48.7	146.1
157	122.7	63.6	190.9





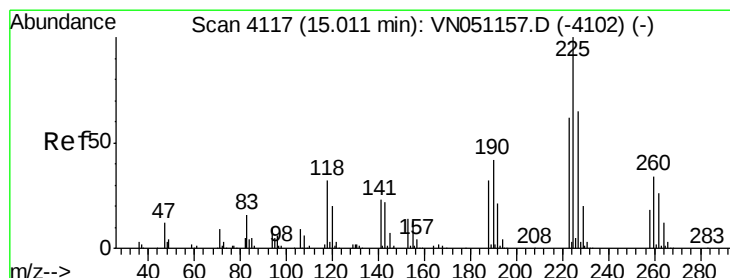
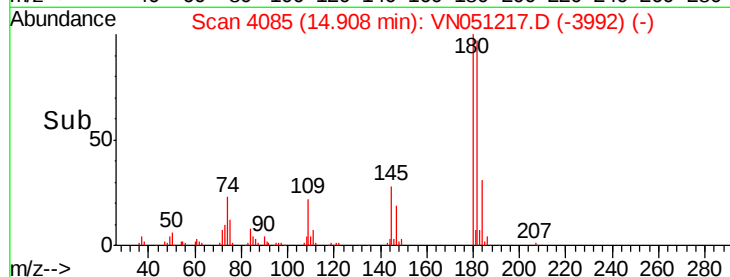
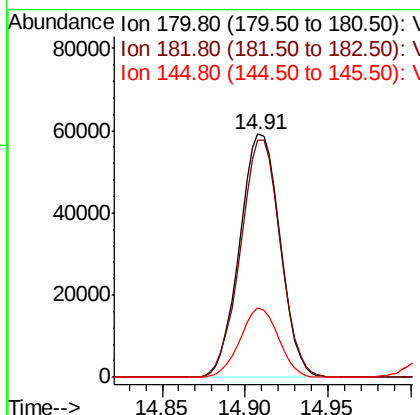
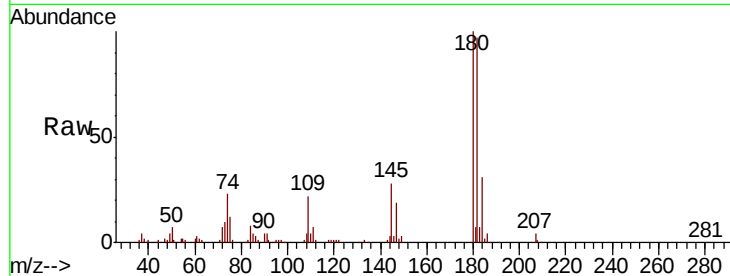
#93
 1,2,4-Trichlorobenzene
 Concen: 15.70 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051217.D
 Acq: 15 Sep 2018 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.5	47.3	141.8	
145	27.2	14.2	42.6	

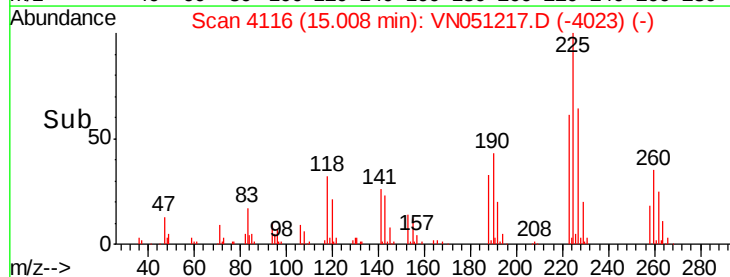
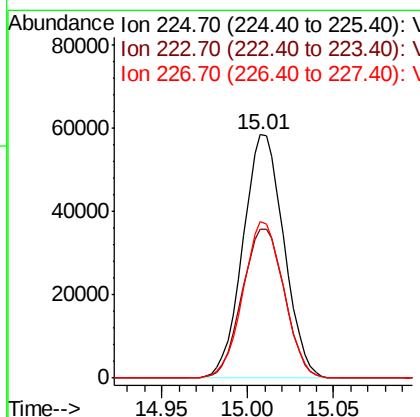
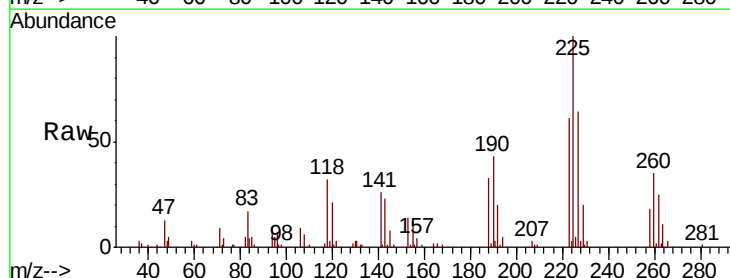
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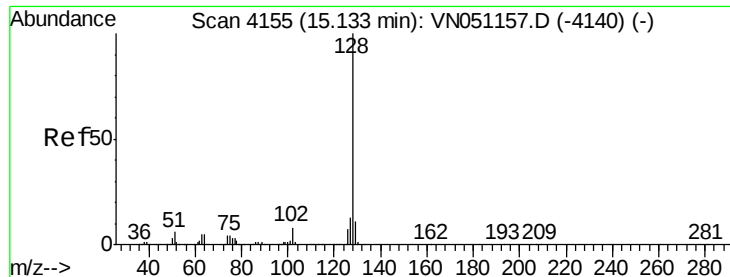
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#94
 Hexachlorobutadiene
 Concen: 19.19 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN051217.D
 Acq: 15 Sep 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.3	31.4	94.0	
227	63.9	32.1	96.3	





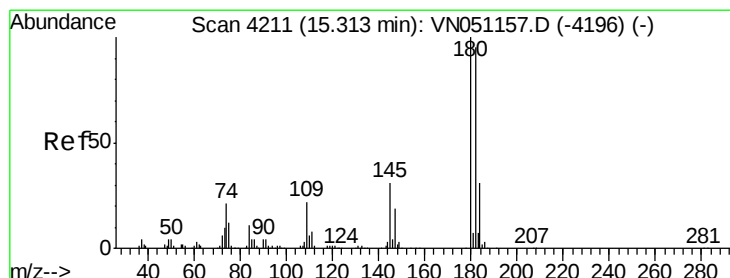
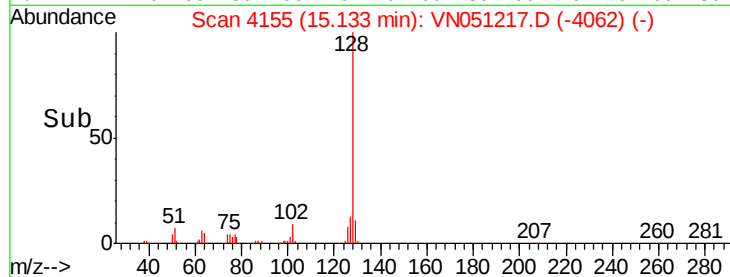
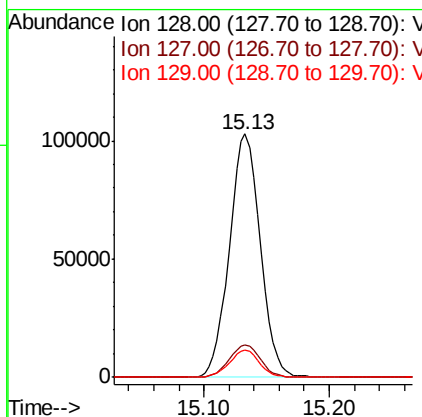
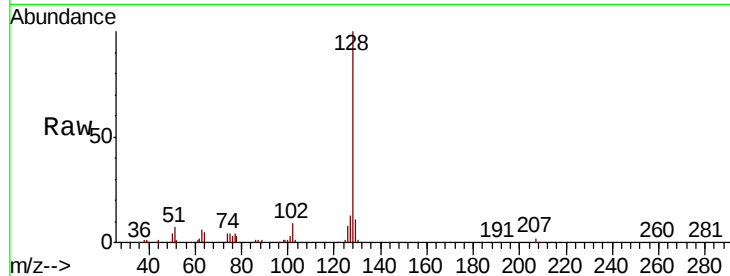
#95
Naphthalene
Concen: 14.86 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	175995		
127	13.2		10.6	15.8
129	10.9		8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 15.92 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051217.D
Acq: 15 Sep 2018 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	104054		
182	96.5		47.8	143.3
145	29.6		14.6	43.8

