

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091518\
 Data File : VN051241.D
 Acq On : 15 Sep 2018 23:41
 Operator : MD\SY
 Sample : VN0915WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/18/2018 4:32:00 PM

Quant Time: Sep 17 05:04:42 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	581879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	840021	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	740133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	339352	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	292544	45.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.36%	
35) Dibromofluoromethane	7.59	113	291230	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	
50) Toluene-d8	10.09	98	1048383	43.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.54%	
62) 4-Bromofluorobenzene	12.40	95	320284	40.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.84%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	107981	19.24	ug/l	98
3) Chloromethane	2.06	50	142828	19.38	ug/l	98
4) Vinyl Chloride	2.18	62	142309	18.48	ug/l	100
5) Bromomethane	2.57	94	83070	18.49	ug/l	97
6) Chloroethane	2.70	64	84989	17.88	ug/l	99
7) Trichlorofluoromethane	3.02	101	194566	19.06	ug/l	100
8) Diethyl Ether	3.41	74	61160	16.29	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	121295	18.44	ug/l	99
10) Methyl Iodide	3.95	142	94696	19.29	ug/l	97
11) Tert butyl alcohol	4.79	59	30656	61.98	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	108339	17.45	ug/l	98
13) Acrolein	3.61	56	21826	56.92	ug/l	100
14) Allyl chloride	4.33	41	151600	16.03	ug/l	98
15) Acrylonitrile	4.99	53	170734	77.90	ug/l	99
16) Acetone	3.82	43	110986	65.00	ug/l	99
17) Carbon Disulfide	4.05	76	334413	18.35	ug/l	99
18) Methyl Acetate	4.33	43	80849	15.59	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	264999	16.15	ug/l	100
20) Methylene Chloride	4.55	84	128236	17.93	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	117553	17.46	ug/l	99
22) Diisopropyl ether	5.96	45	345294	18.39	ug/l	99
23) Vinyl Acetate	5.90	43	1046030	82.34	ug/l	99
24) 1,1-Dichloroethane	5.85	63	219068	18.39	ug/l	98
25) 2-Butanone	6.84	43	169825	66.70	ug/l	100
26) 2,2-Dichloropropane	6.83	77	124751	12.80	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	131259	17.77	ug/l	96
28) Bromochloromethane	7.20	49	86996	16.41	ug/l	100
29) Tetrahydrofuran	7.22	42	118151	74.31	ug/l	98
30) Chloroform	7.37	83	222243	18.76	ug/l	98
31) Cyclohexane	7.66	56	187980	17.55	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	188318	18.65	ug/l	99
36) 1,1-Dichloropropene	7.79	75	162662	17.64	ug/l	100
37) Ethyl Acetate	6.93	43	84082	15.74	ug/l	98
38) Carbon Tetrachloride	7.77	117	170160	18.75	ug/l	99

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 Data File : VN051241.D
 Acq On : 15 Sep 2018 23:41
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 Sample : VN0915WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/18/2018 4:32:00 PM

Quant Time: Sep 17 05:04:42 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)
39) Methylcyclohexane	9.08	83	171885	16.89	ug/l	98
40) Benzene	8.04	78	502583	18.08	ug/l	99
41) Methacrylonitrile	7.18	41	48036m	17.43	ug/l	
42) 1,2-Dichloroethane	8.13	62	147253	18.18	ug/l	100
43) Isopropyl Acetate	8.17	43	159361	16.91	ug/l	97
44) Trichloroethene	8.84	130	133314	17.54	ug/l	98
45) 1,2-Dichloropropane	9.12	63	130790	18.21	ug/l	99
46) Dibromomethane	9.21	93	76472	17.45	ug/l	99
47) Bromodichloromethane	9.40	83	162925	18.29	ug/l	98
48) Methyl methacrylate	9.20	41	73879	16.09	ug/l	95
49) 1,4-Dioxane	9.20	88	20472	284.24	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	395101	75.81	ug/l	99
52) Toluene	10.16	92	310923	18.35	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	143025	16.04	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	175805	16.82	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	108615	17.64	ug/l	98
56) Ethyl methacrylate	10.43	69	112495	15.40	ug/l	99
57) 1,3-Dichloropropane	10.71	76	176540	17.30	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	218719	74.37	ug/l	100
59) 2-Hexanone	10.75	43	238756	67.55	ug/l	95
60) Dibromochloromethane	10.90	129	124979	18.01	ug/l	100
61) 1,2-Dibromoethane	11.01	107	103172	17.15	ug/l	98
64) Tetrachloroethene	10.63	164	127092	18.82	ug/l	99
65) Chlorobenzene	11.43	112	331653	17.78	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	125915	18.75	ug/l	100
67) Ethyl Benzene	11.51	91	531187	17.58	ug/l	99
68) m/p-Xylenes	11.62	106	424558	36.57	ug/l	99
69) o-Xylene	11.95	106	200019	17.79	ug/l	98
70) Styrene	11.96	104	312606	17.93	ug/l	98
71) Bromoform	12.13	173	80428	17.01	ug/l #	100
73) Isopropylbenzene	12.25	105	523229	18.39	ug/l	99
74) N-amyl acetate	12.07	43	101551	14.18	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	123232	17.85	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	94614m	17.00	ug/l	
77) Bromobenzene	12.53	156	134718	17.62	ug/l	98
78) n-propylbenzene	12.59	91	565088	18.06	ug/l	99
79) 2-Chlorotoluene	12.67	91	358496	18.34	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	435929	18.95	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	23927	13.39	ug/l	98
82) 4-Chlorotoluene	12.77	91	344744	17.76	ug/l	100
83) tert-Butylbenzene	12.99	119	368372	18.14	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	422770	18.69	ug/l	99
85) sec-Butylbenzene	13.17	105	475492	18.25	ug/l	100
86) p-Isopropyltoluene	13.29	119	402834	18.24	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	216262	16.68	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	206542	17.35	ug/l	98
89) n-Butylbenzene	13.62	91	262488	15.27	ug/l	99
90) Hexachloroethane	13.87	117	80073	19.54	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	215521	17.05	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15258	16.15	ug/l	94

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS02

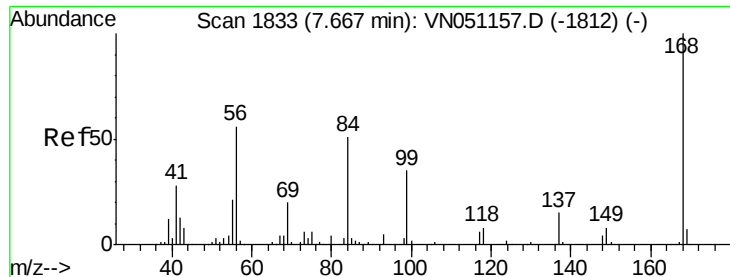
Manual Integrations
APPROVED

MMDadoda
9/18/2018 4:32:00 PM

Quant Time: Sep 17 05:04:42 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)
93) 1,2,4-Trichlorobenzene	14.91	180	63591	13.57	ug/l	96
94) Hexachlorobutadiene	15.01	225	70069	17.90	ug/l	99
95) Naphthalene	15.13	128	111693	13.16	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	69832	14.21	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051241.D

Acq: 15 Sep 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS02

Tot Ion:168 Resp: 581879

Ion Ratio Lower Upper

168 100

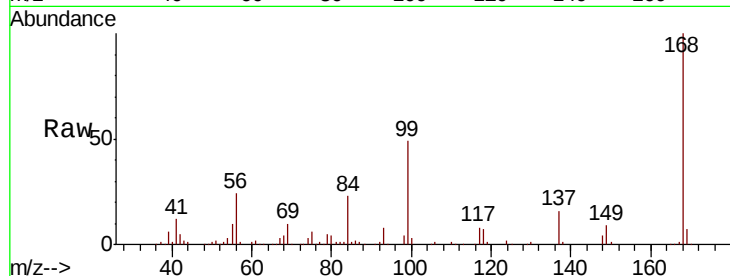
99 48.6 38.3 57.5

Manual Integrations

APPROVED

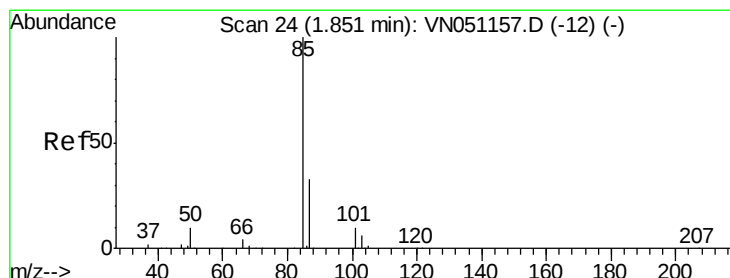
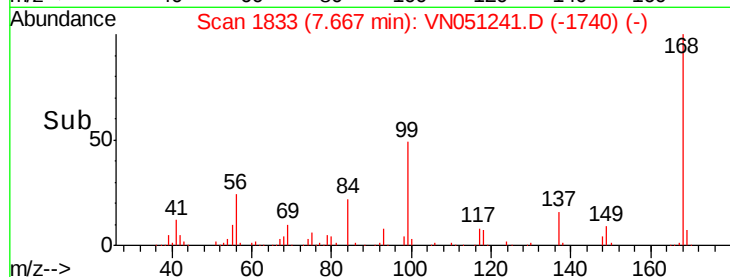
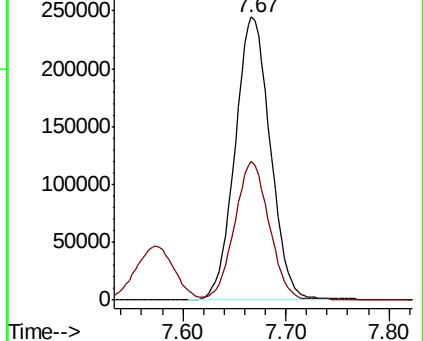
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.24 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051241.D

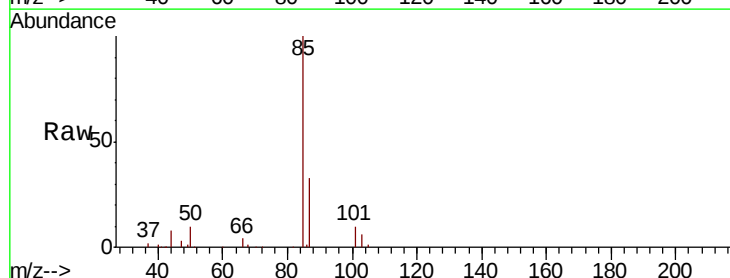
Acq: 15 Sep 2018 23:41

Tgt Ion: 85 Resp: 107981

Ion Ratio Lower Upper

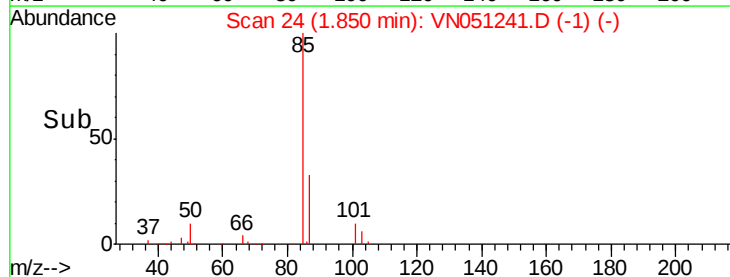
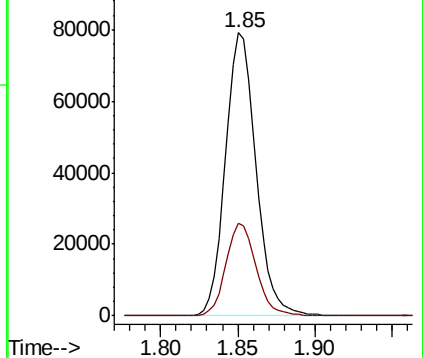
85 100

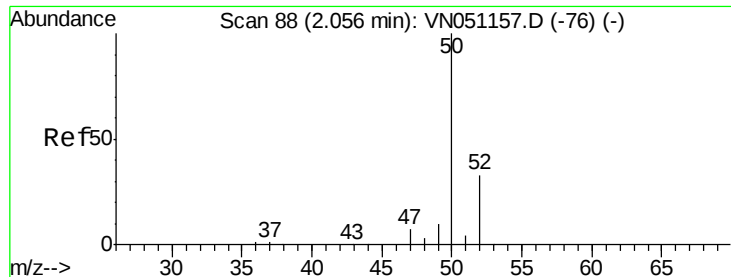
87 32.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.38 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051241.D

Acq: 15 Sep 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS02

Tot Ion: 50 Resp: 142828

Ion Ratio Lower Upper

50 100

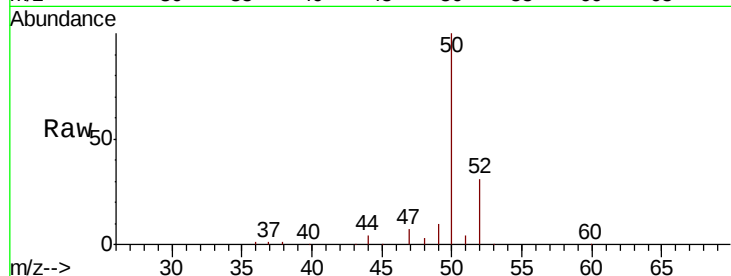
52 31.4 26.0 39.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

120000

100000

80000

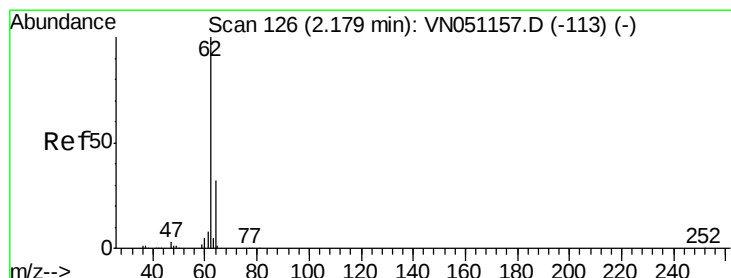
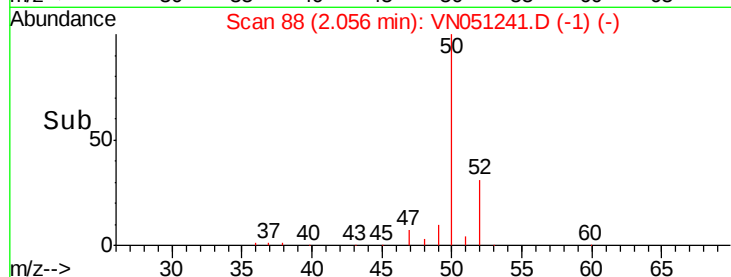
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 18.48 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051241.D

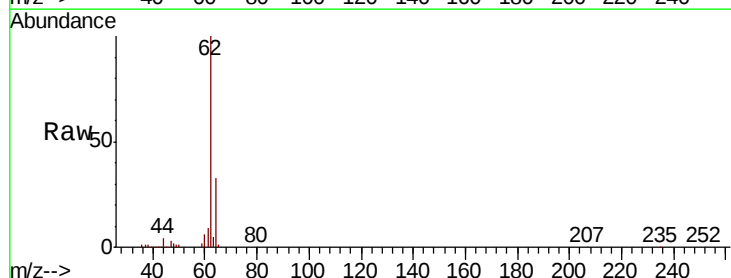
Acq: 15 Sep 2018 23:41

Tgt Ion: 62 Resp: 142309

Ion Ratio Lower Upper

62 100

64 33.0 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.18

100000

80000

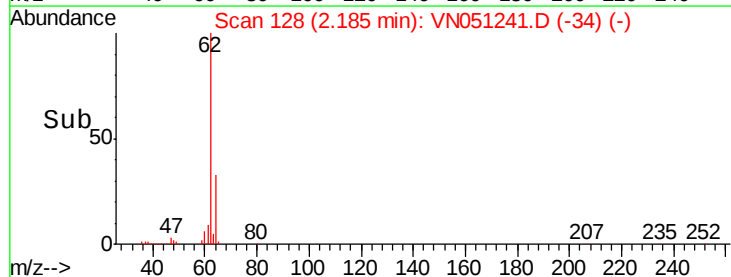
60000

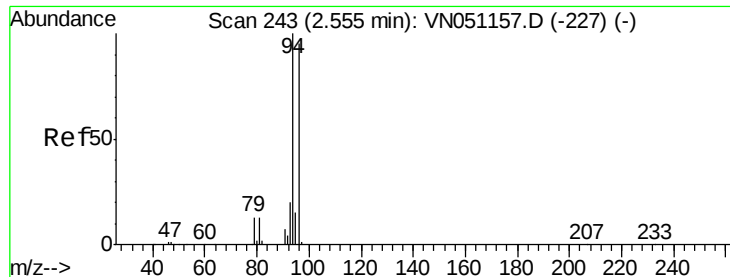
40000

20000

0

Time-->





#5

Bromomethane

Concen: 18.49 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051241.D

Acq: 15 Sep 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS02

Tot Ion: 94 Resp: 83070

Ion Ratio Lower Upper

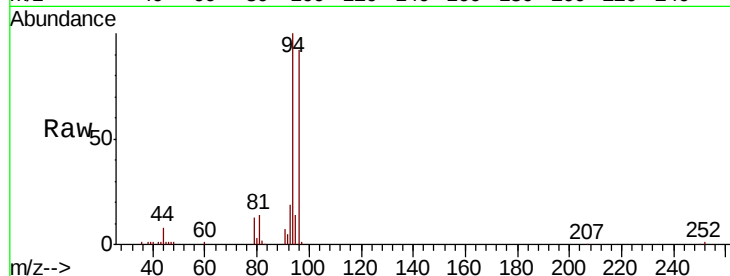
94 100

96 92.0 75.9 113.9

Manual Integrations
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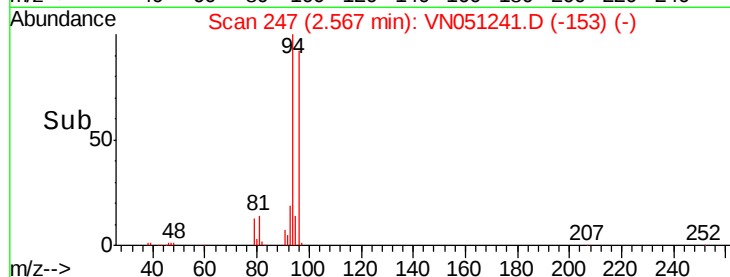


Abundance Ion 93.90 (93.60 to 94.60): VN051157.D (-227) (-)

Ion 95.90 (95.60 to 96.60): VN051157.D (-227) (-)

2.57

Time-->



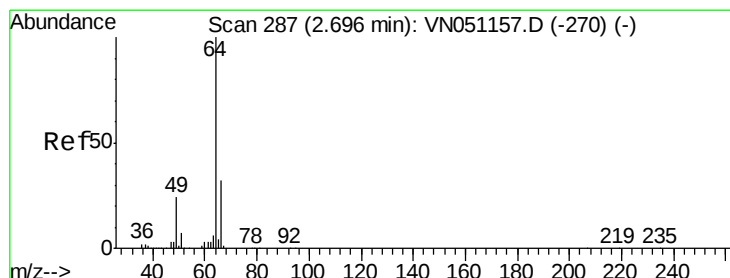
Abundance

Ion 93.90 (93.60 to 94.60): VN051241.D (-153) (-)

Ion 95.90 (95.60 to 96.60): VN051241.D (-153) (-)

2.57

Time-->



#6

Chloroethane

Concen: 17.88 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051241.D

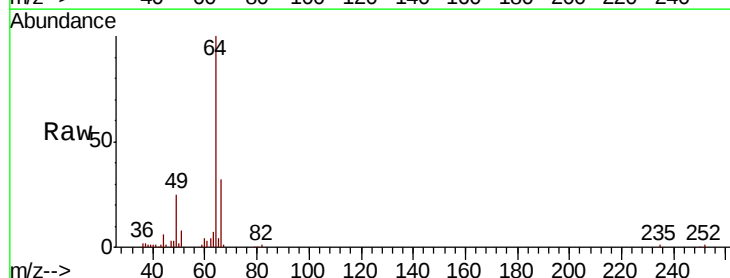
Acq: 15 Sep 2018 23:41

Tgt Ion: 64 Resp: 84989

Ion Ratio Lower Upper

64 100

66 32.3 26.1 39.1

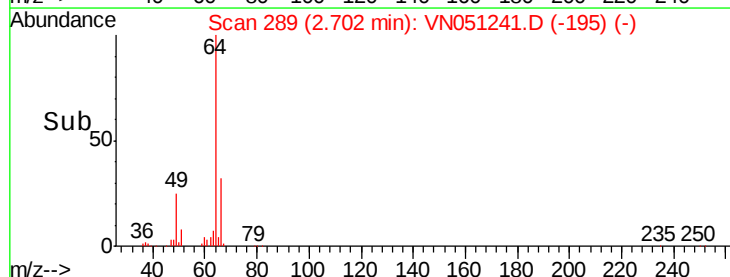


Abundance Ion 63.90 (63.60 to 64.60): VN051157.D (-270) (-)

Ion 65.90 (65.60 to 66.60): VN051157.D (-270) (-)

2.70

Time-->



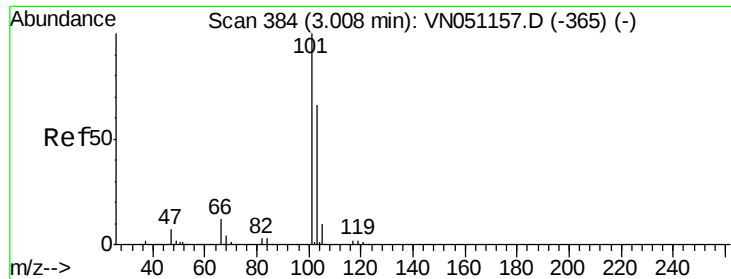
Abundance

Ion 63.90 (63.60 to 64.60): VN051241.D (-195) (-)

Ion 65.90 (65.60 to 66.60): VN051241.D (-195) (-)

2.70

Time-->



#7

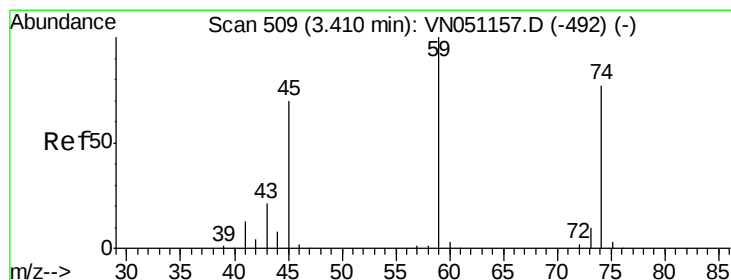
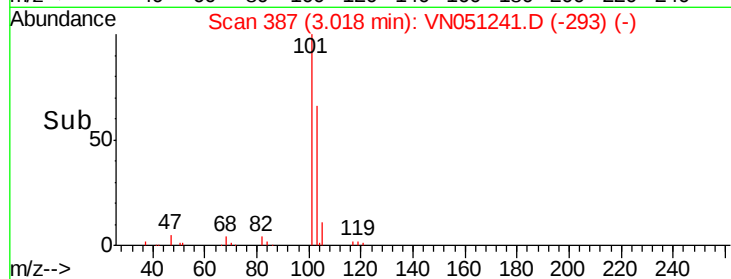
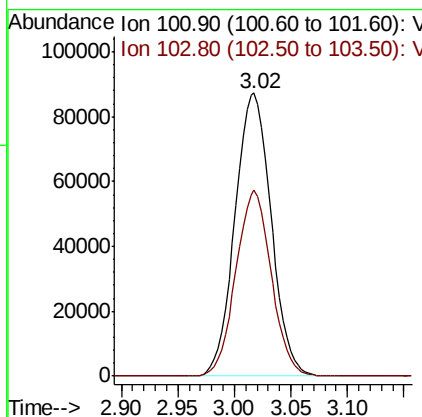
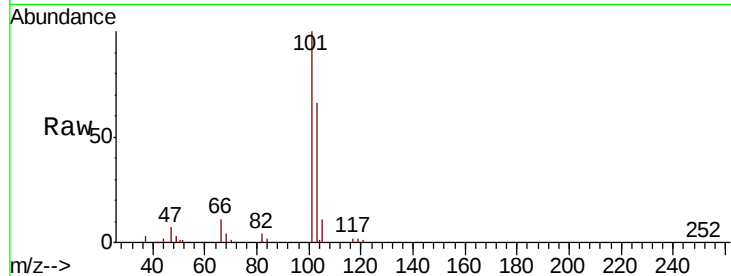
Trichlorofluoromethane
 Concen: 19.06 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN051241.D
 Acq: 15 Sep 2018 23:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.4	78.6

Manual Integrations
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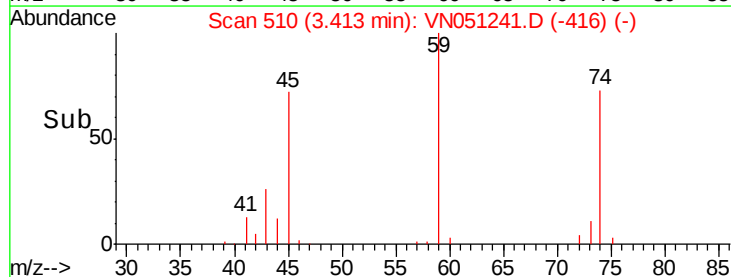
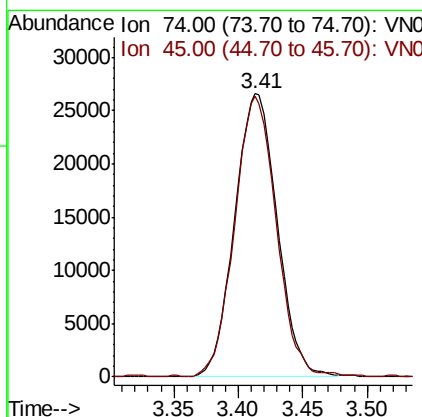
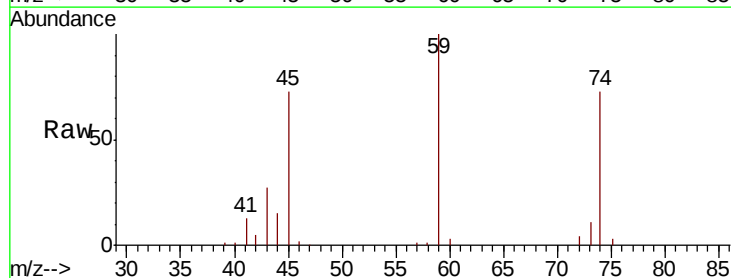
MMDadoda
 9/18/2018 4:32:00 PM

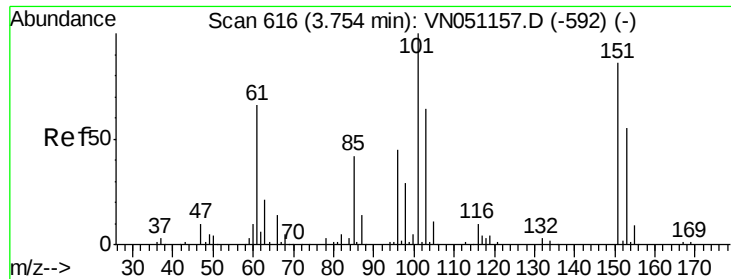


#8

Diethyl Ether
 Concen: 16.29 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051241.D
 Acq: 15 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.1	46.7	140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.44 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051241.D

Acq: 15 Sep 2018 23:41

Instrument :

MSVOA_N

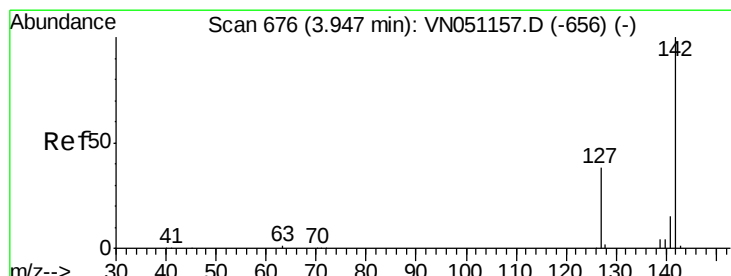
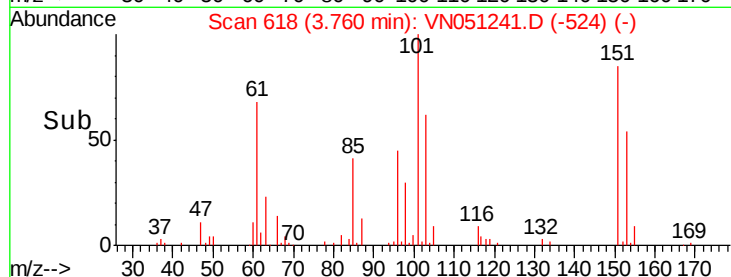
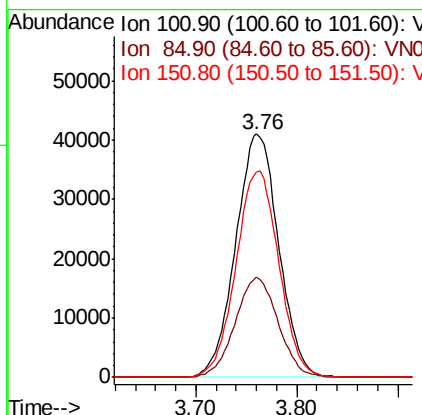
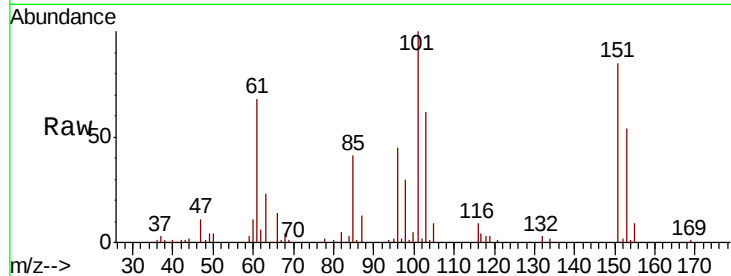
ClientSampleId :

VN0915WBS02

Tot Ion:	101	Resp:	121295
Ion Ratio	Lower	Upper	
101	100		
85	40.9	33.3	49.9
151	84.5	68.2	102.2

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#10

Methyl Iodide

Concen: 19.29 ug/l

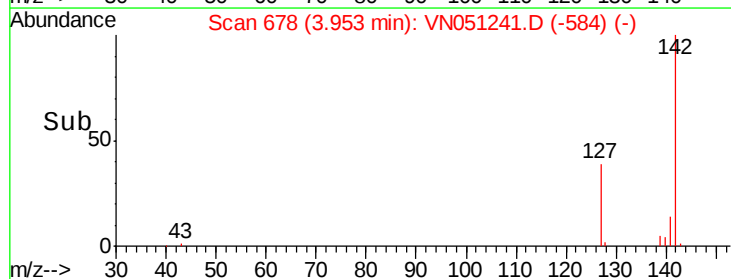
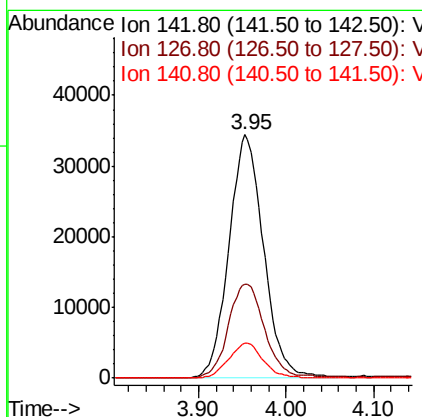
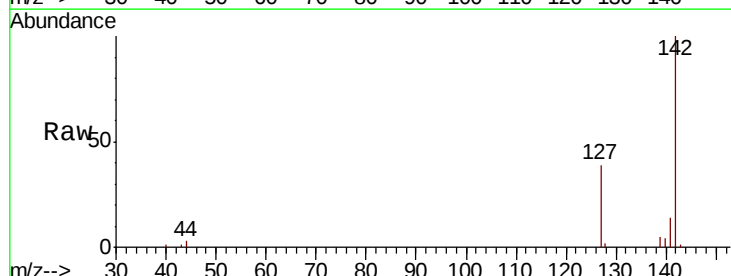
RT: 3.95 min Scan# 678

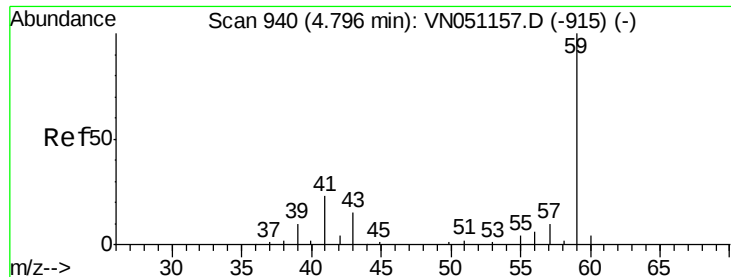
Delta R.T. 0.00 min

Lab File: VN051241.D

Acq: 15 Sep 2018 23:41

Tgt Ion:	142	Resp:	94696
Ion Ratio	Lower	Upper	
142	100		
127	41.0	31.0	46.4
141	14.2	11.3	16.9





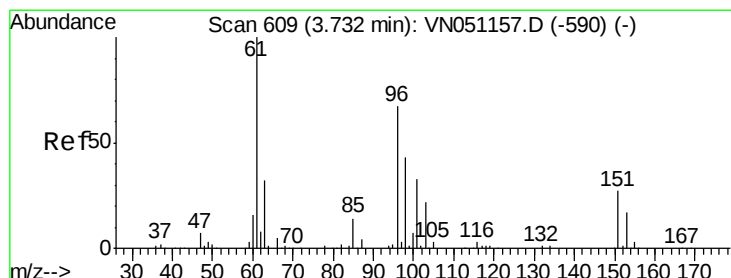
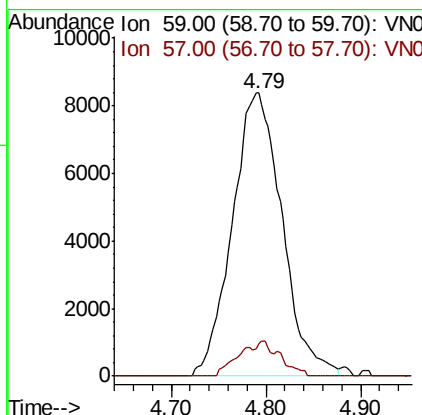
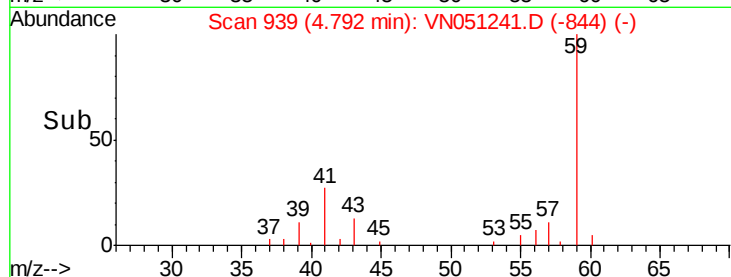
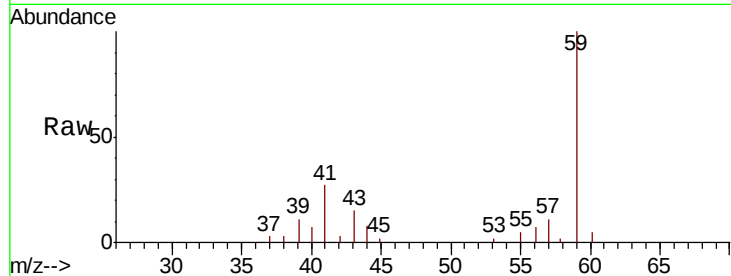
#11
Tert butyl alcohol
Concen: 61.98 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.01 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS02

Tot Ion	Ratio	Resp	Lower	Upper
59	100	30656		
57	5.6		8.1	12.1#

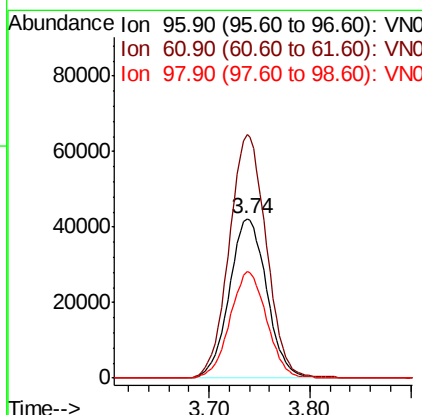
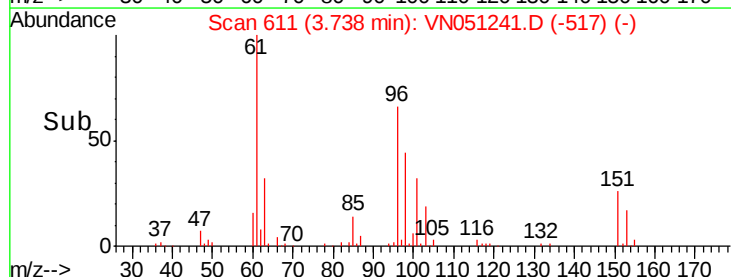
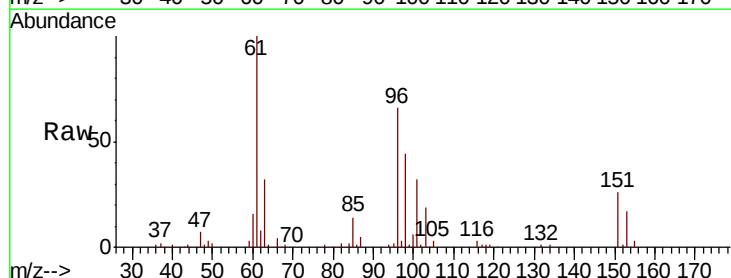
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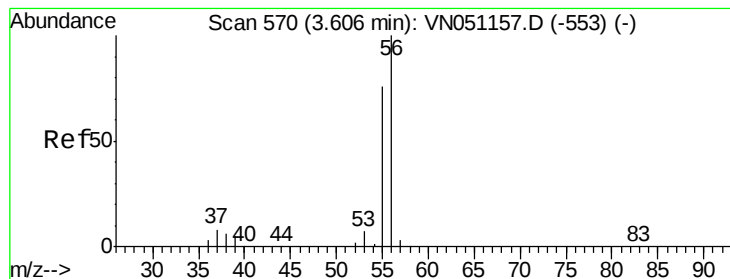
MMDadoda
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#12
1,1-Dichloroethene
Concen: 17.45 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	108339		
61	152.5		120.3	180.5
98	66.6		50.8	76.2





#13

Acrolein

Concen: 56.92 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051241.D

Acq: 15 Sep 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS02

Tot Ion: 56 Resp: 21826

Ion Ratio Lower Upper

56 100

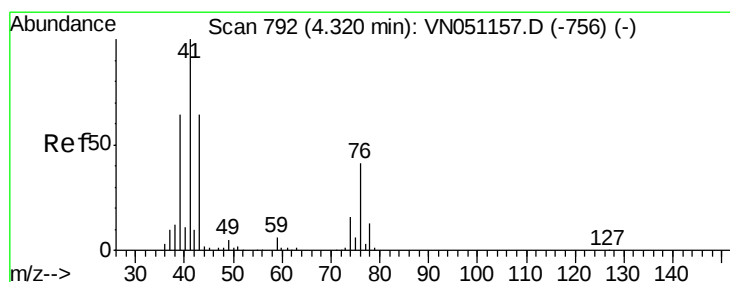
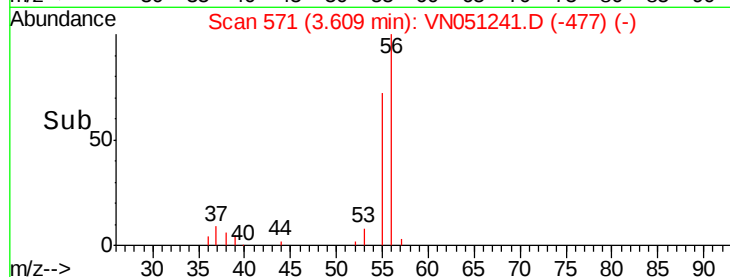
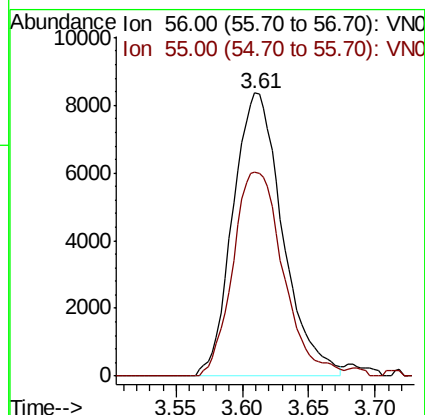
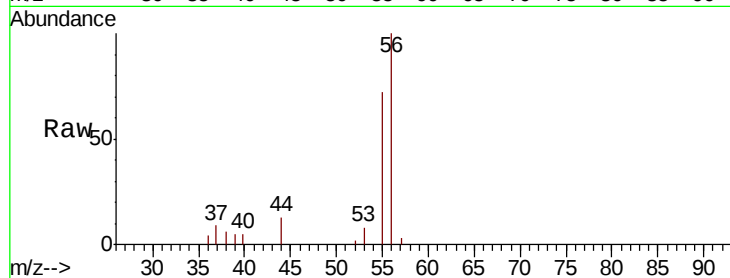
55 72.9 58.0 87.0

Manual Integrations

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#14

Allyl chloride

Concen: 16.03 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051241.D

Acq: 15 Sep 2018 23:41

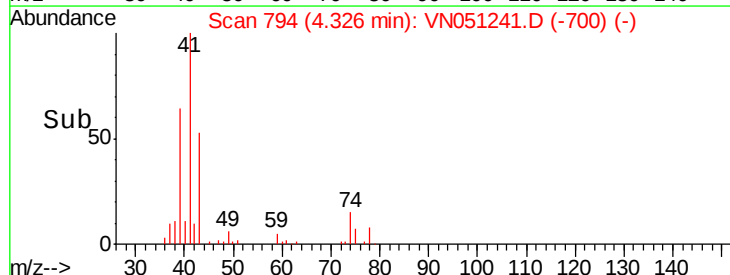
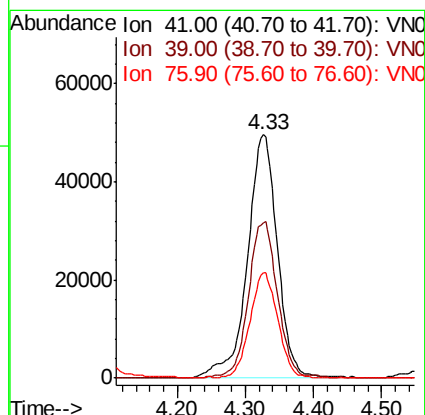
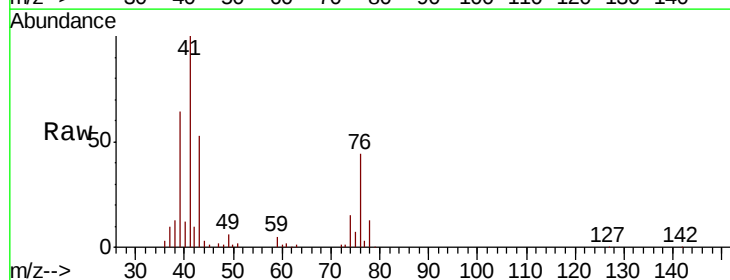
Tgt Ion: 41 Resp: 151600

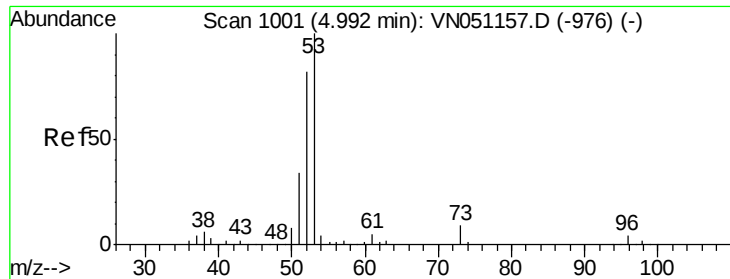
Ion Ratio Lower Upper

41 100

39 62.1 48.8 73.2

76 40.1 30.6 45.8





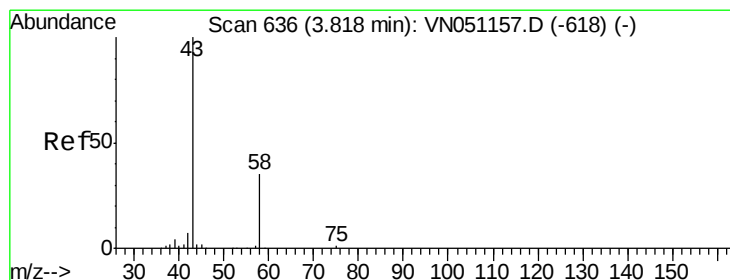
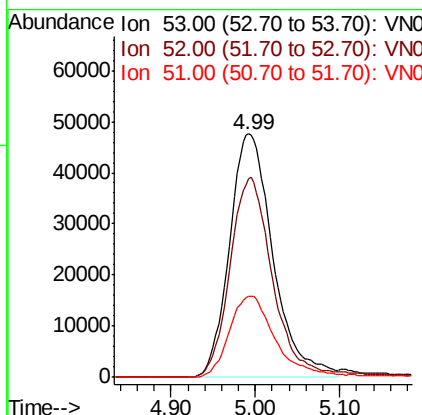
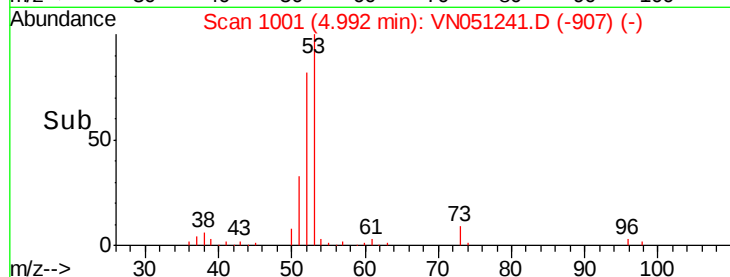
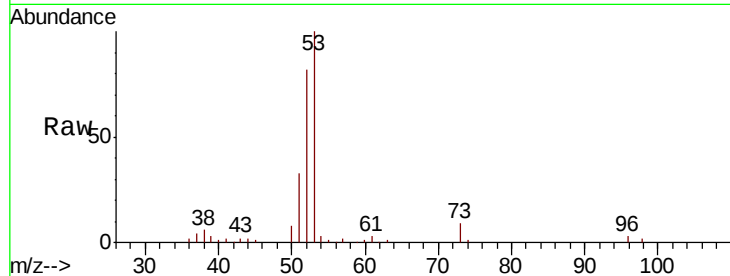
#15
 Acrylonitrile
 Concen: 77.90 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN051241.D
 Acq: 15 Sep 2018 23:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS02

Tot Ion	Ratio	Lower	Upper
53	100		
52	80.2	65.3	97.9
51	35.1	28.2	42.2

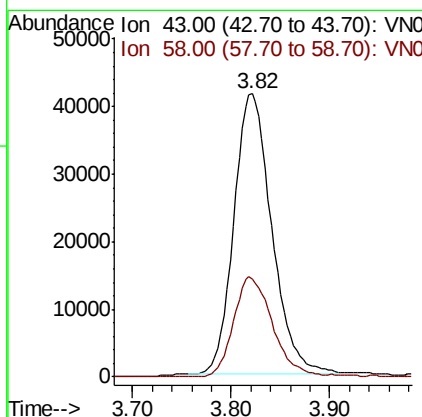
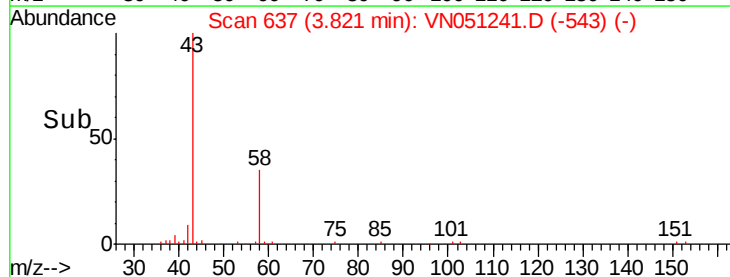
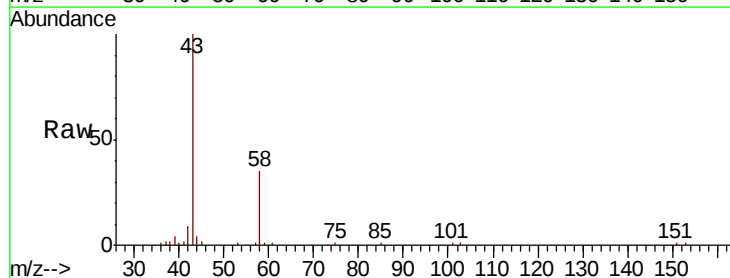
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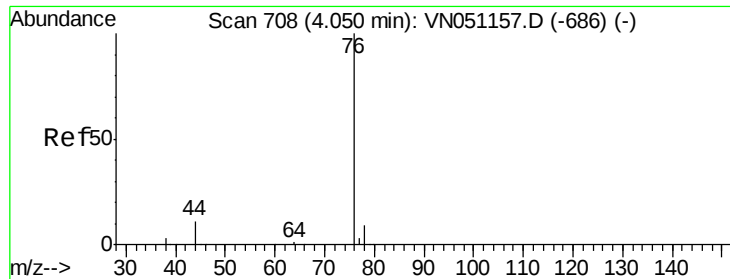
MMDadoda
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#16
 Acetone
 Concen: 65.00 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN051241.D
 Acq: 15 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.0	27.8	41.6





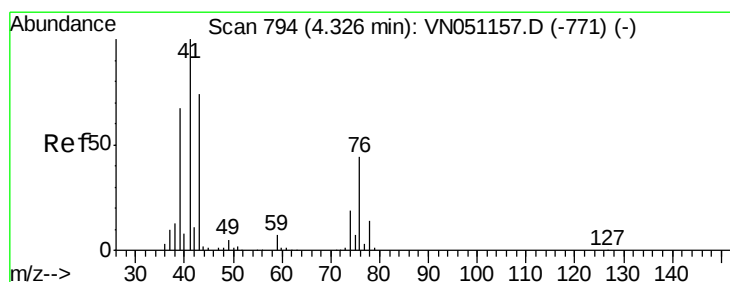
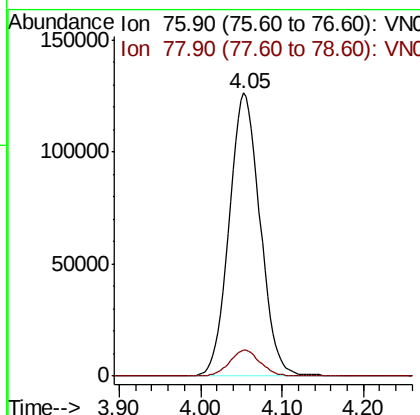
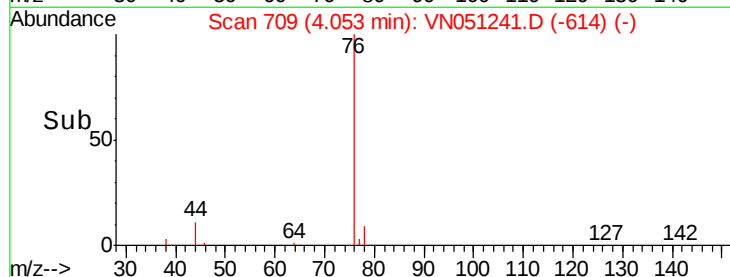
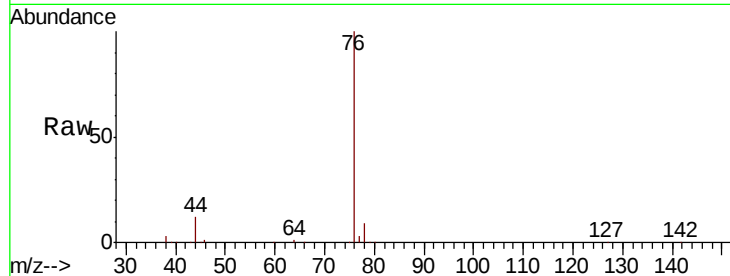
#17
Carbon Disulfide
Concen: 18.35 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

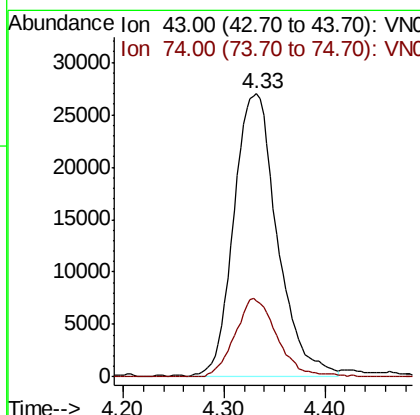
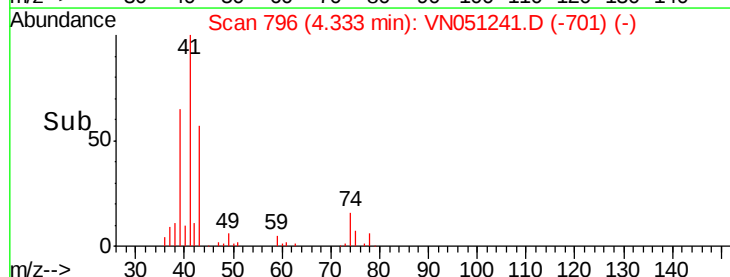
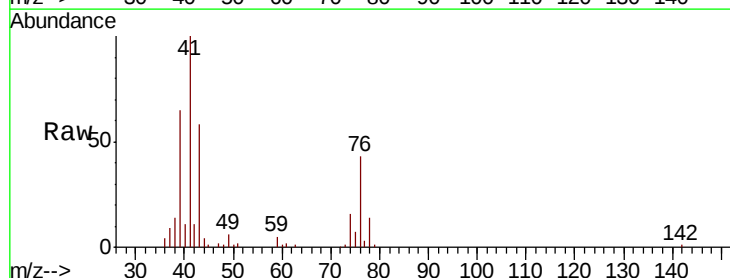
Manual Integrations
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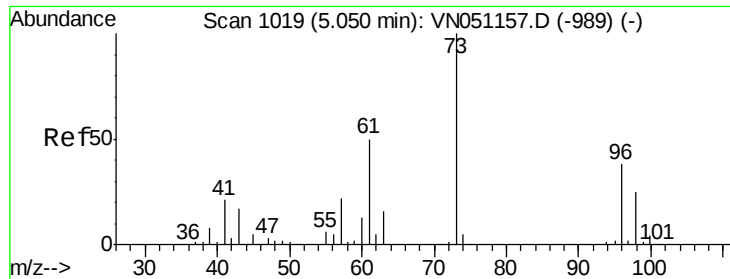
MMDadoda
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#18
Methyl Acetate
Concen: 15.59 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.9	20.7	31.1





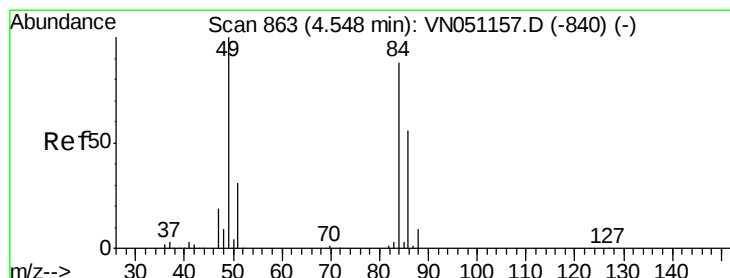
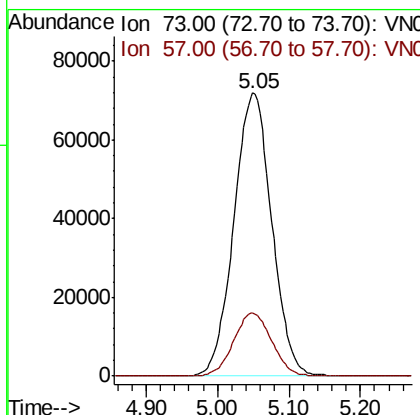
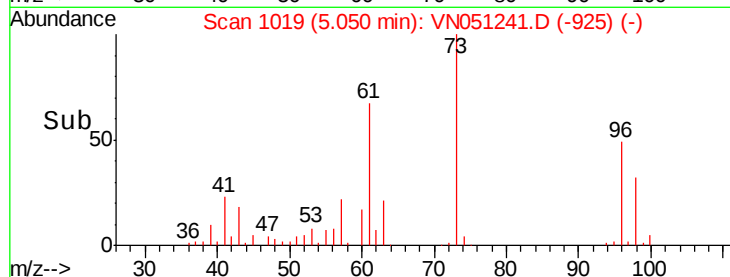
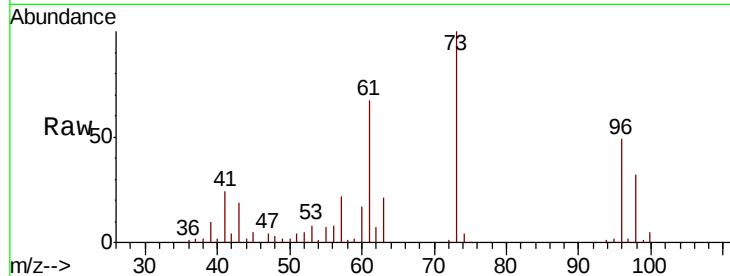
#19
Methvl tert-butvl Ether
Concen: 16.15 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.9	26.9

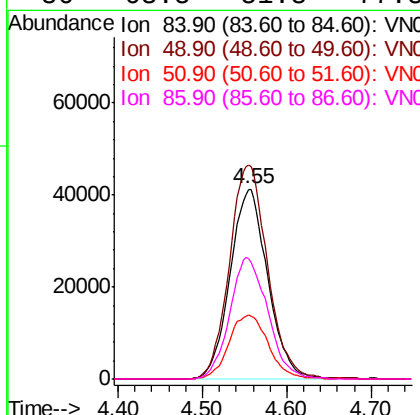
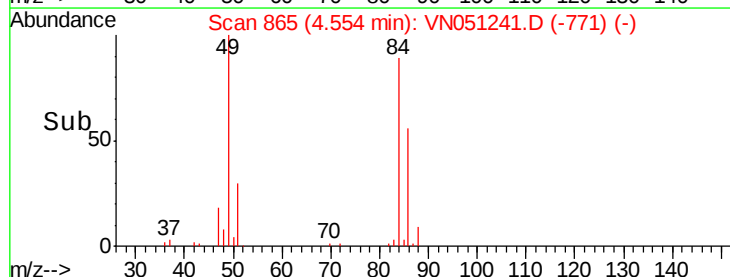
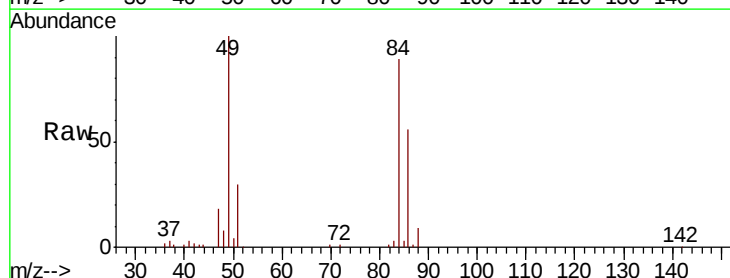
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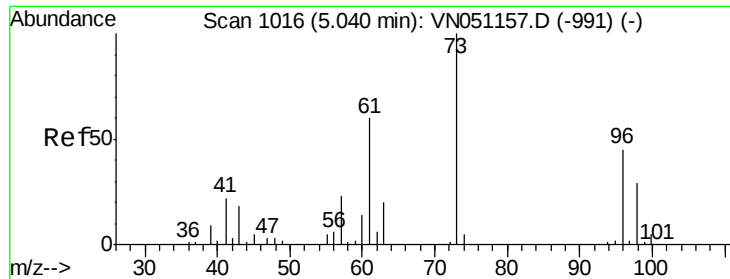
MMDadoda
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#20
Methylene Chloride
Concen: 17.93 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.4	90.2	135.2
51	33.7	28.4	42.6
86	63.5	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 17.46 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051241.D

Acq: 15 Sep 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS02

Tot Ion: 96 Resp: 117553

Ion Ratio Lower Upper

96 100

61 132.0 106.5 159.7

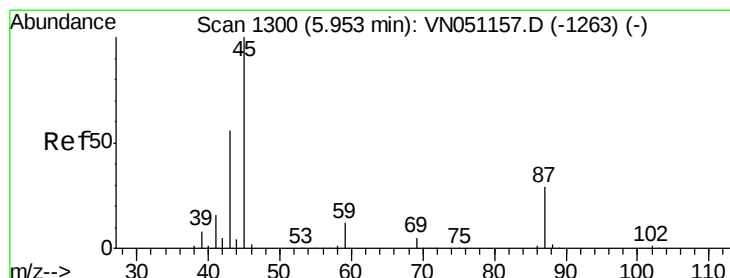
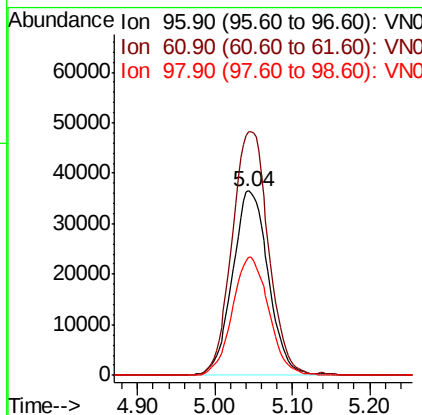
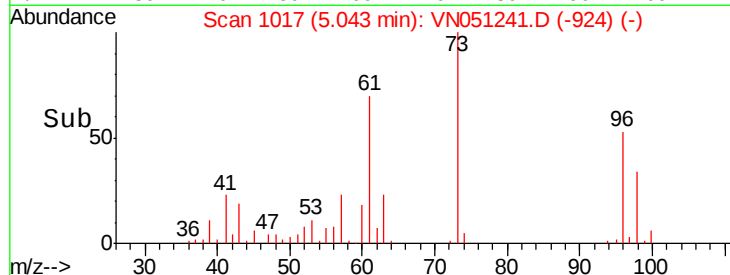
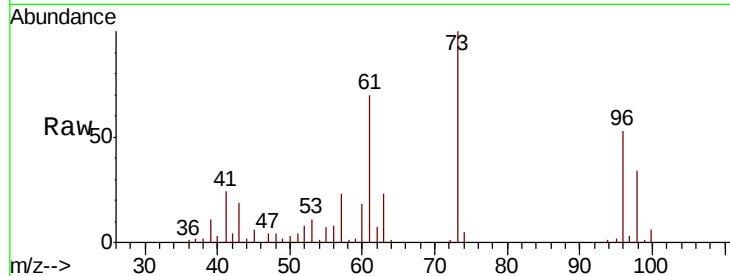
98 63.8 50.4 75.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 18.39 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.01 min

Lab File: VN051241.D

Acq: 15 Sep 2018 23:41

Tgt Ion: 45 Resp: 345294

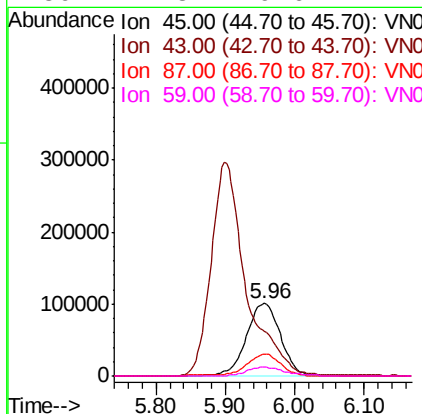
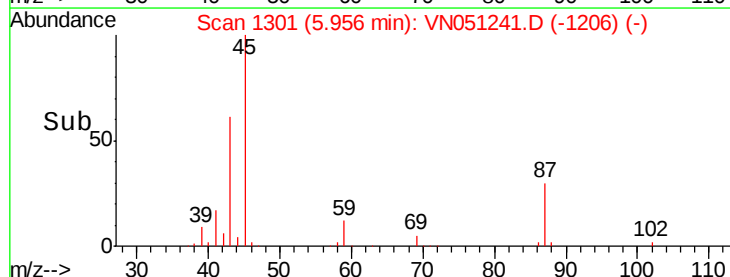
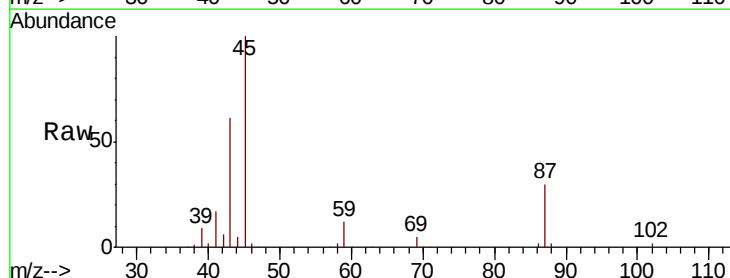
Ion Ratio Lower Upper

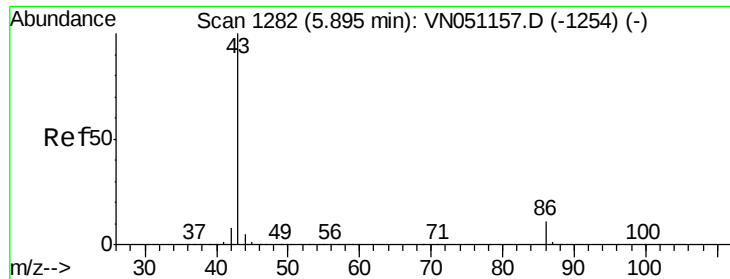
45 100

43 59.5 48.8 73.2

87 30.0 23.8 35.8

59 11.8 9.6 14.4





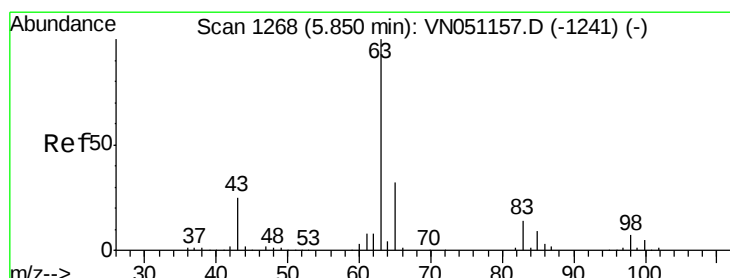
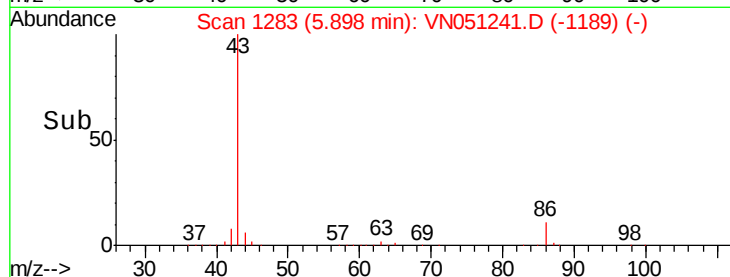
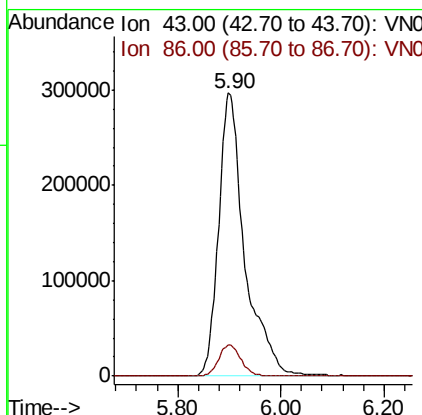
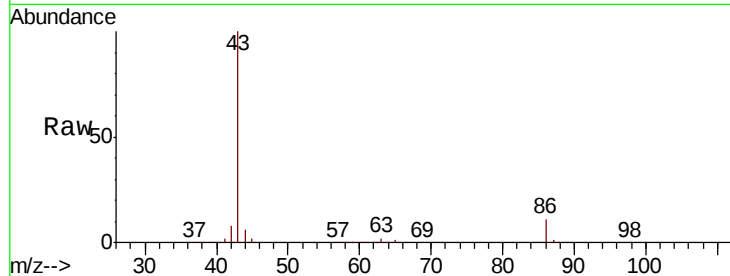
#23
 Vinyl Acetate
 Concen: 82.34 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051241.D
 Acq: 15 Sep 2018 23:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS02

Tot Ion: 43 Resp: 1046030
 Ion Ratio Lower Upper
 43 100
 86 11.0 9.2 13.8

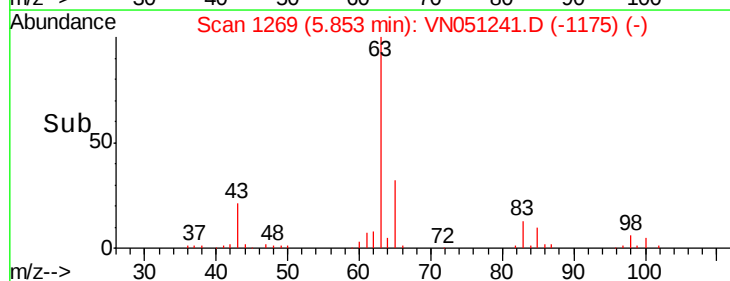
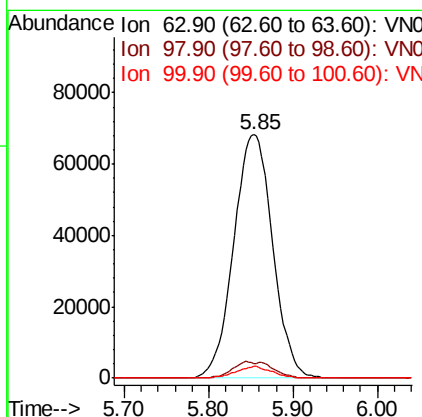
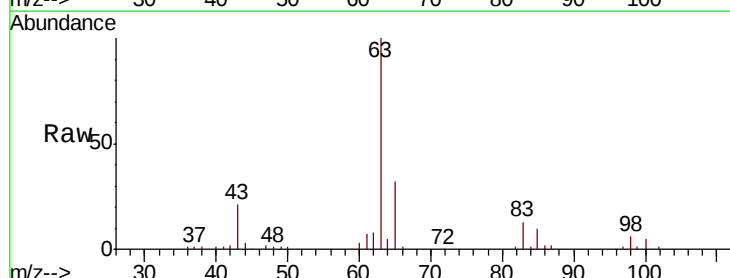
Manual Integrations
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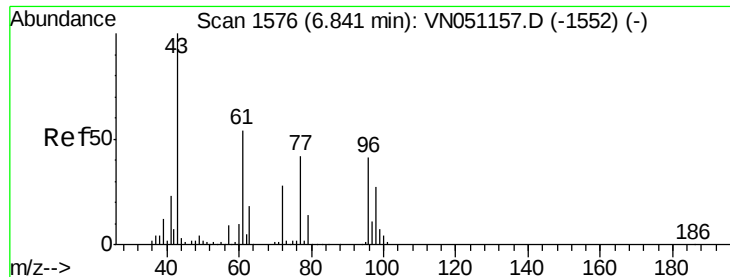
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 18.39 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051241.D
 Acq: 15 Sep 2018 23:41

Tgt Ion: 63 Resp: 219068
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.4 10.1
 100 4.8 2.1 6.3





#25

2-Butanone

Concen: 66.70 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051241.D

Acq: 15 Sep 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS02

Tot Ion: 43 Resp: 169825

Ion Ratio Lower Upper

43 100

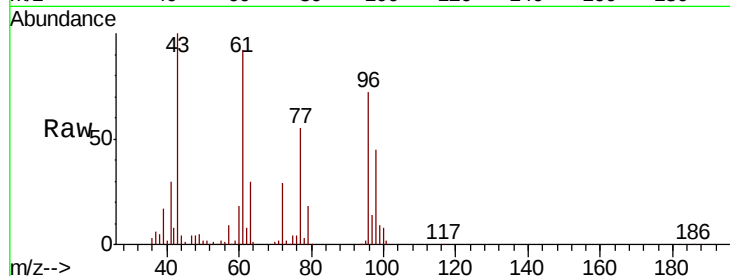
72 28.6 23.0 34.6

Manual Integrations

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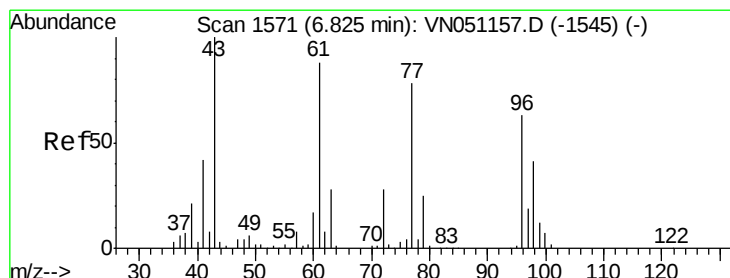
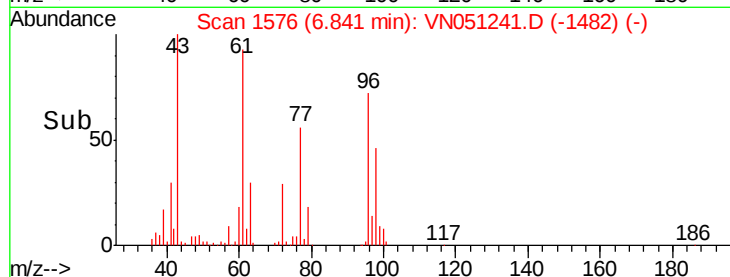
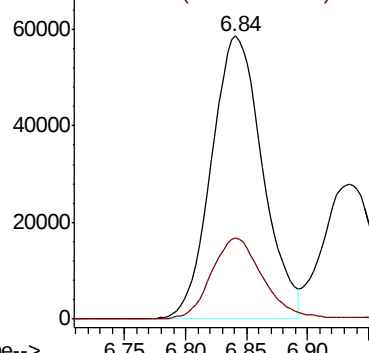
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 12.80 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051241.D

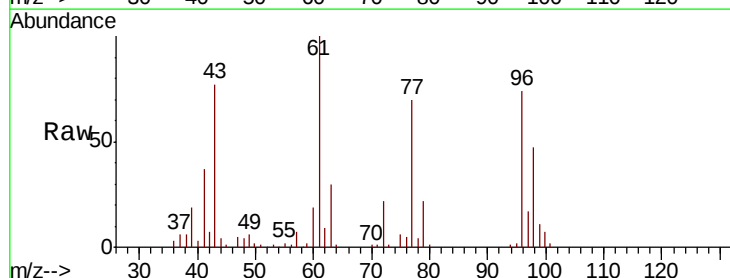
Acq: 15 Sep 2018 23:41

Tgt Ion: 77 Resp: 124751

Ion Ratio Lower Upper

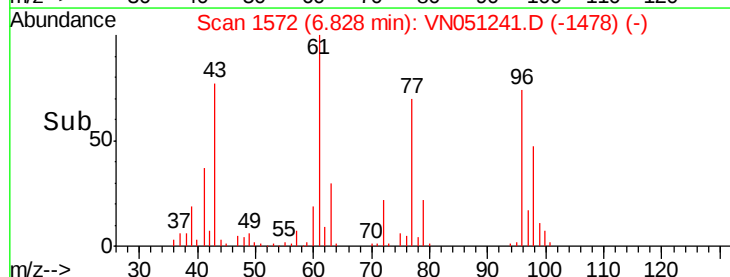
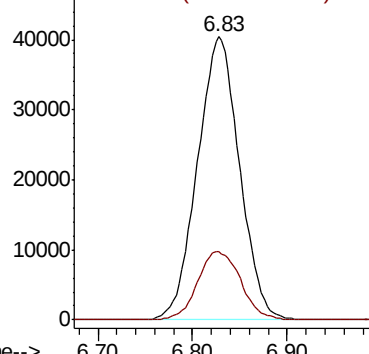
77 100

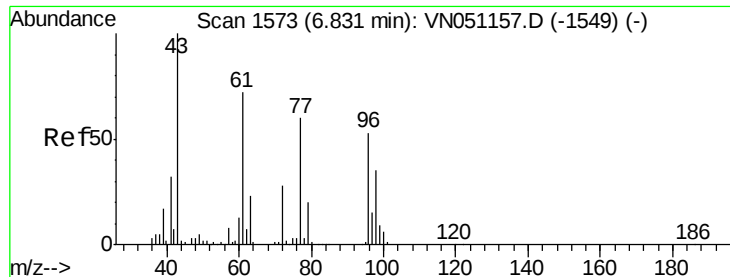
97 24.6 12.1 36.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 17.77 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN051241.D

Acq: 15 Sep 2018 23:41

Instrument :

MSVOA_N

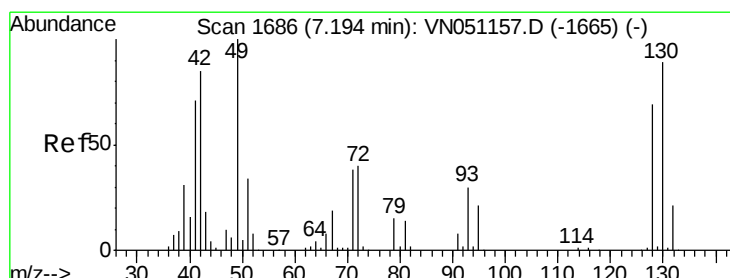
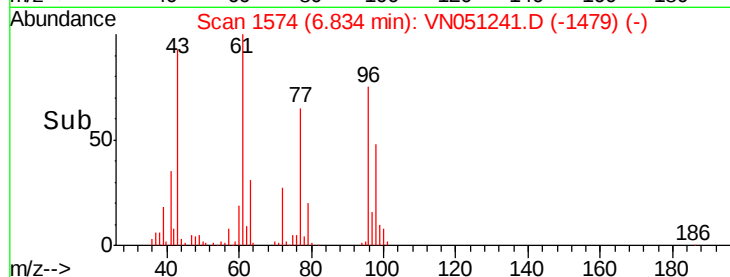
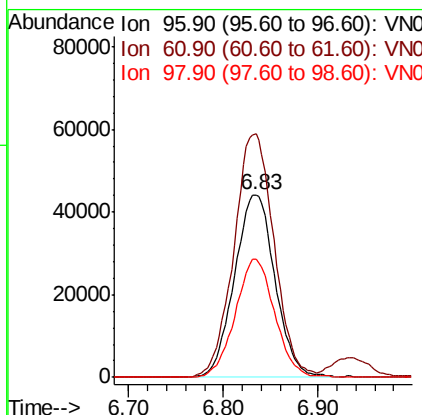
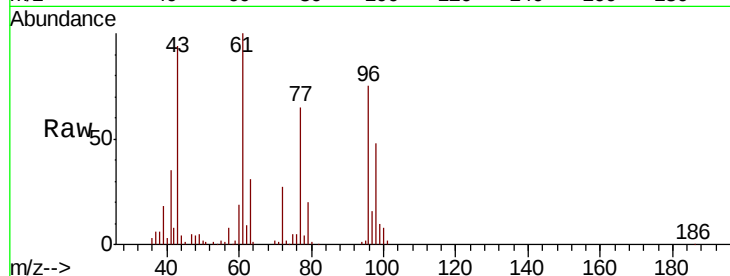
ClientSampleId :

VN0915WBS02

Tot Ion:	96	Resp:	131259
Ion Ratio	Lower	Upper	
96	100		
61	132.3	0.0	278.2
98	63.0	0.0	129.4

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#28

Bromochloromethane

Concen: 16.41 ug/l

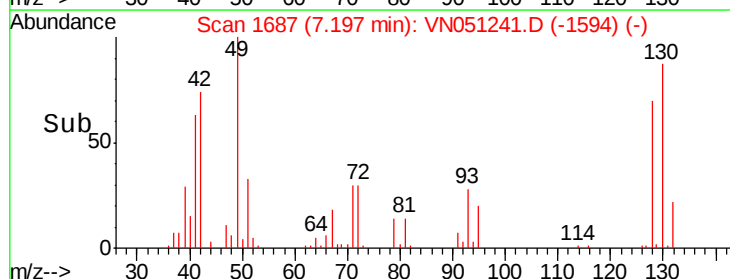
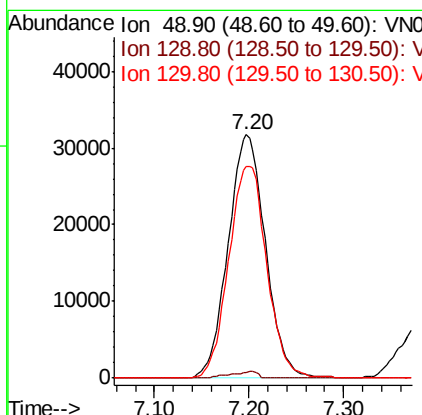
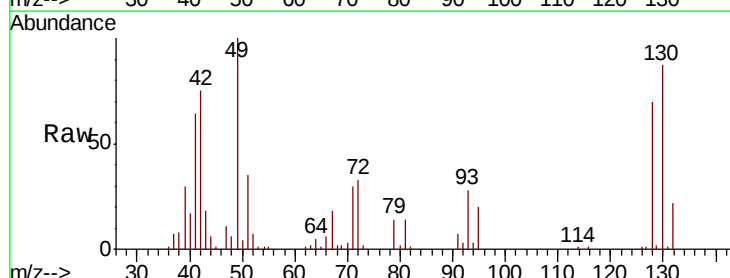
RT: 7.20 min Scan# 1687

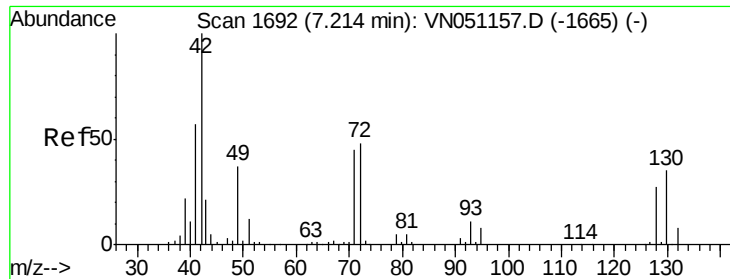
Delta R.T. -0.00 min

Lab File: VN051241.D

Acq: 15 Sep 2018 23:41

Tgt Ion:	49	Resp:	86996
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	4.4
130	88.5	70.7	106.1





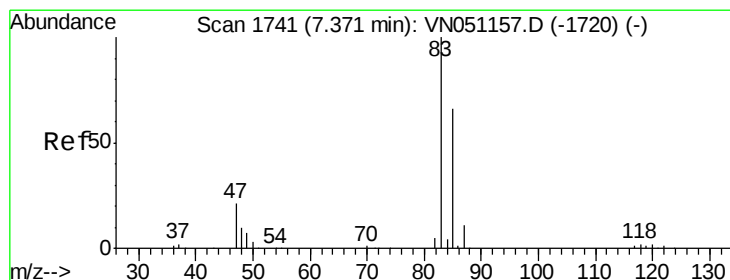
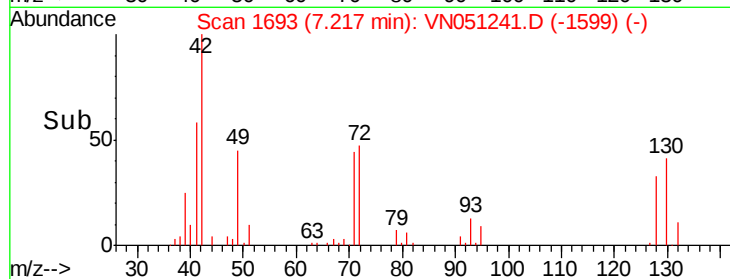
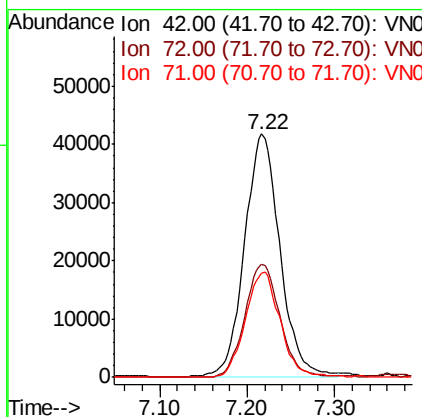
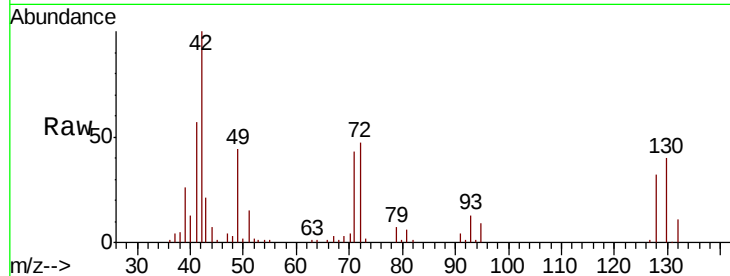
#29
Tetrahydrofuran
Concen: 74.31 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	37.4	56.0
71	41.7	34.7	52.1

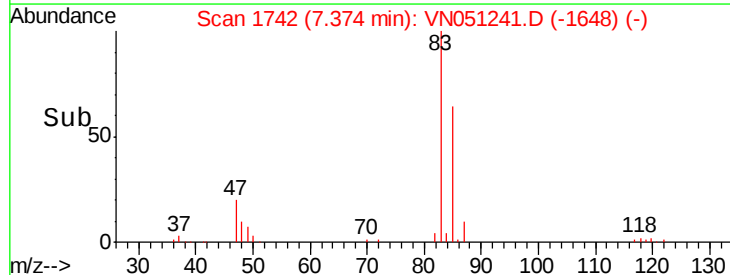
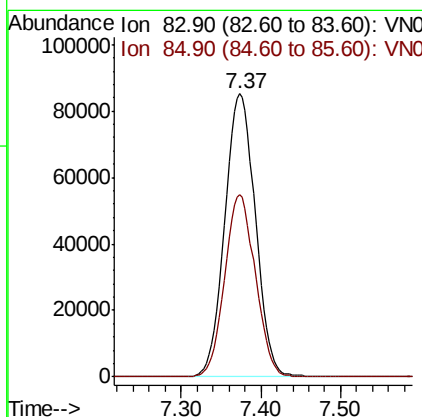
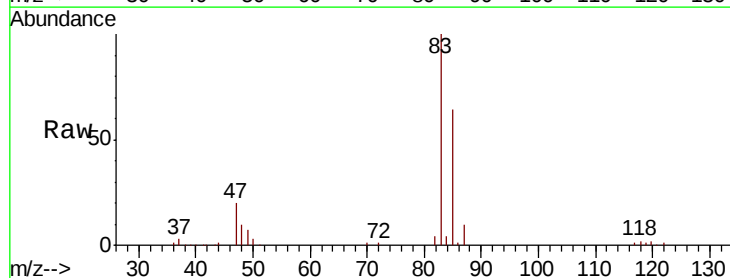
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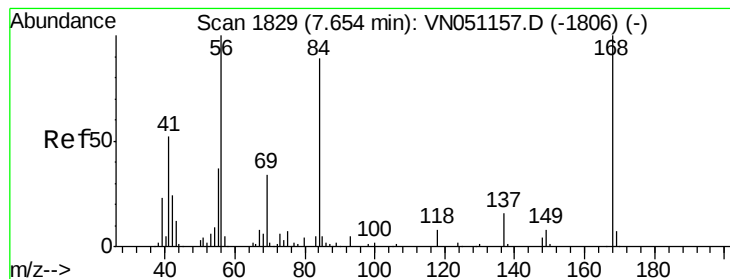
MMDadoda
9/18/2018 4:32:00 PM



#30
Chloroform
Concen: 18.76 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.6	79.0





#31

Cyclohexane

Concen: 17.55 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051241.D

Acq: 15 Sep 2018 23:41

Instrument :

MSVOA_N

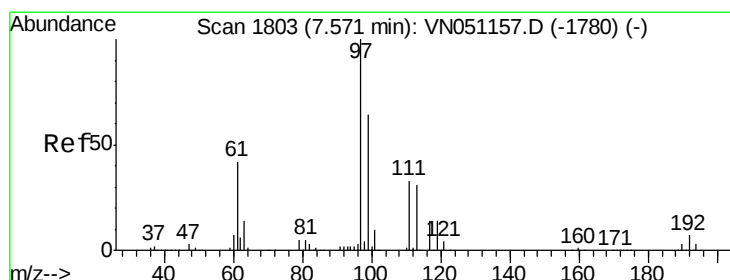
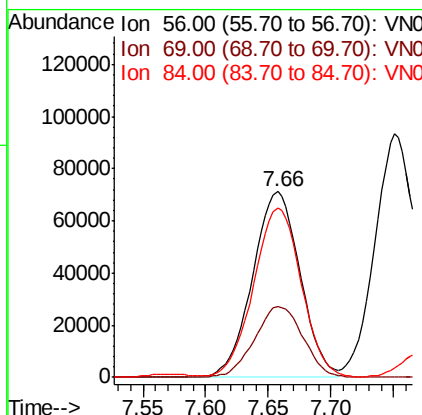
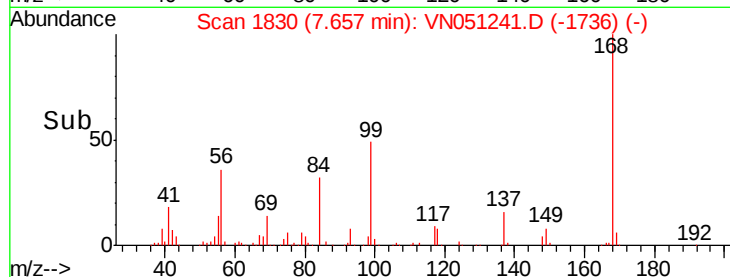
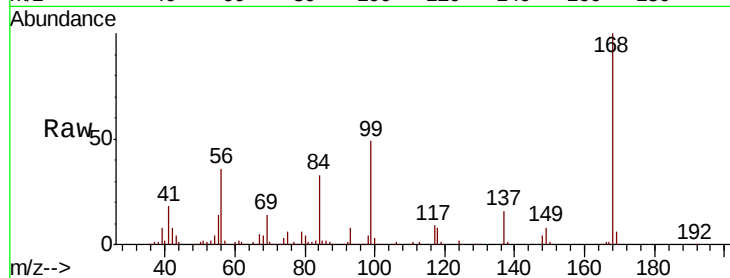
ClientSampleId :

VN0915WBS02

Tot Ion:	56	Resp:	187980
Ion Ratio	Lower	Upper	
56	100		
69	38.0	26.3	39.5
84	89.8	69.4	104.0

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#32

1,1,1-Trichloroethane

Concen: 18.65 ug/l

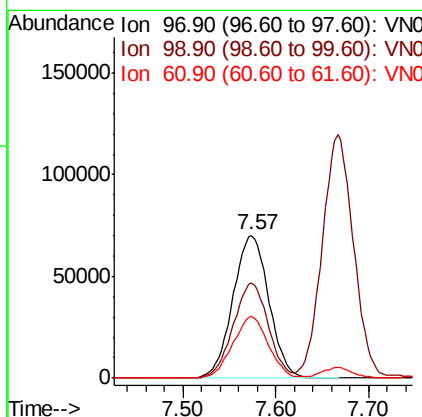
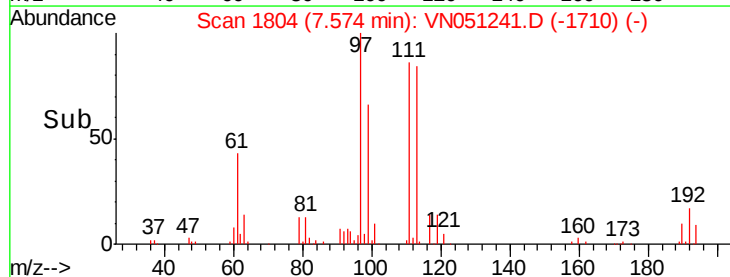
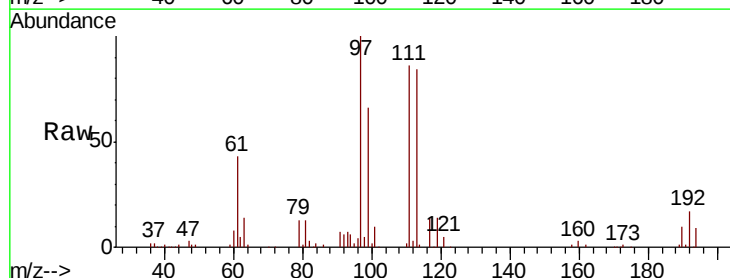
RT: 7.57 min Scan# 1804

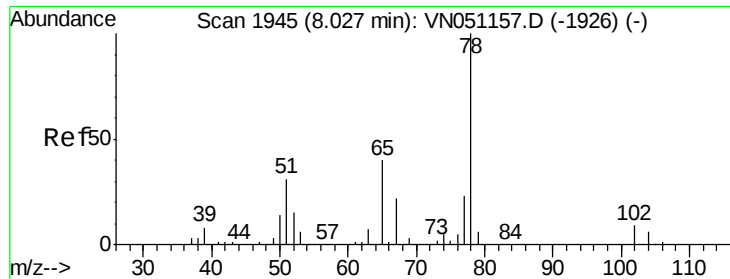
Delta R.T. 0.00 min

Lab File: VN051241.D

Acq: 15 Sep 2018 23:41

Tgt Ion:	97	Resp:	188318
Ion Ratio	Lower	Upper	
97	100		
99	65.3	51.6	77.4
61	42.4	33.8	50.6





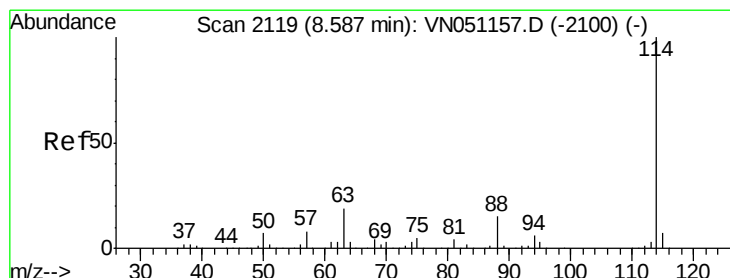
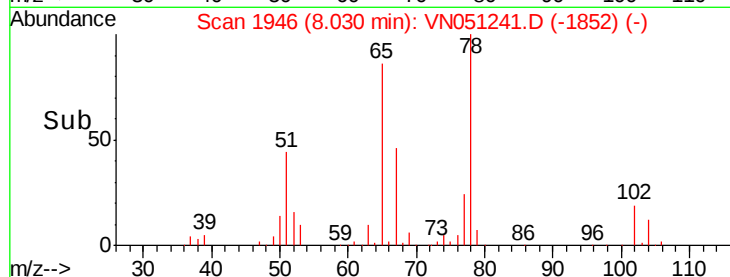
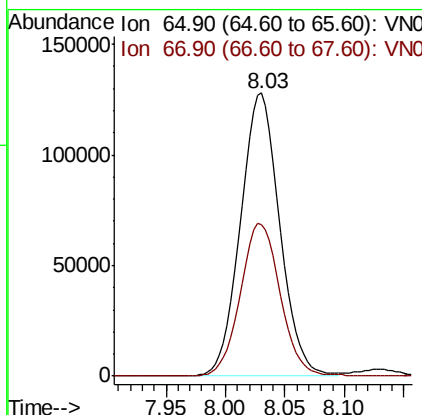
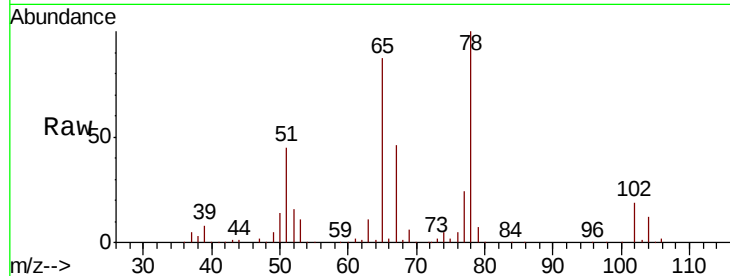
#33
 1,2-Dichloroethane-d4
 Concen: 45.18 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051241.D
 Acq: 15 Sep 2018 23:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	292544		
67	54.9	0.0	112.0	

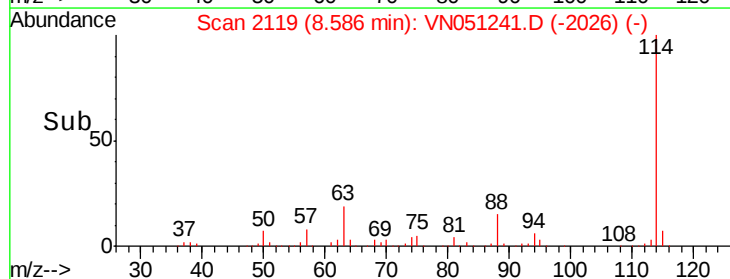
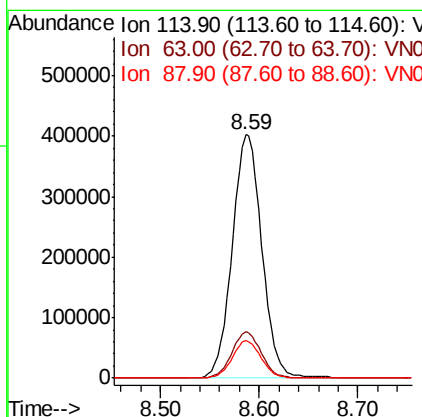
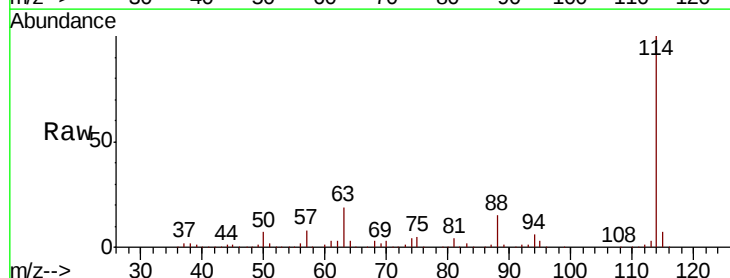
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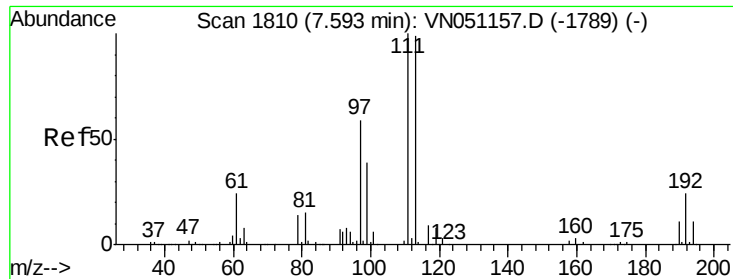
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051241.D
 Acq: 15 Sep 2018 23:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	840021		
63	18.9	0.0	37.8	
88	15.3	0.0	30.8	





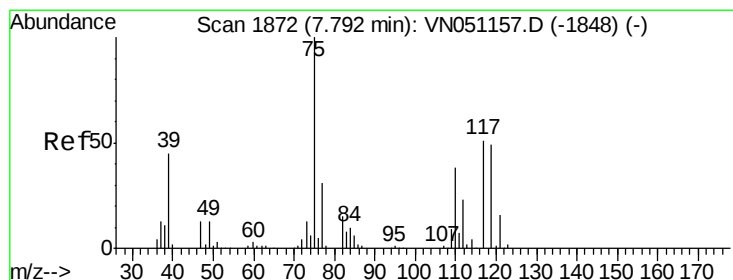
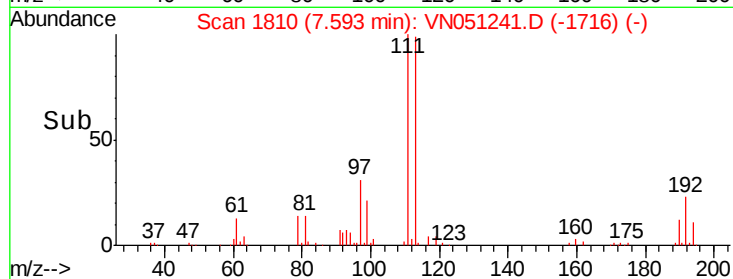
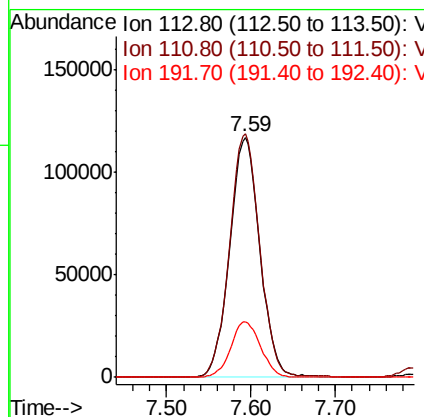
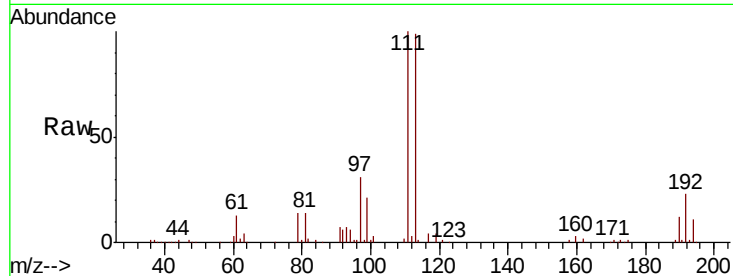
#35
Dibromofluoromethane
Concen: 46.14 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	291230		
111	100.9	83.0	124.6	
192	22.9	18.7	28.1	

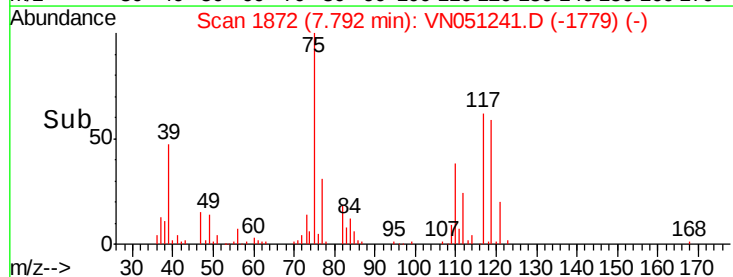
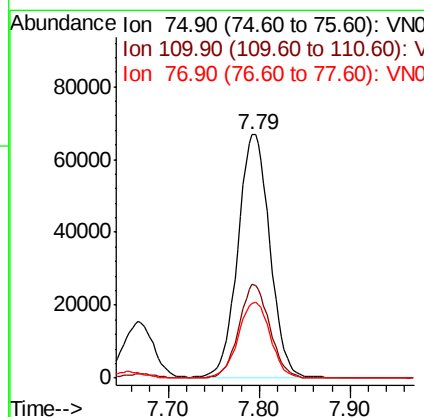
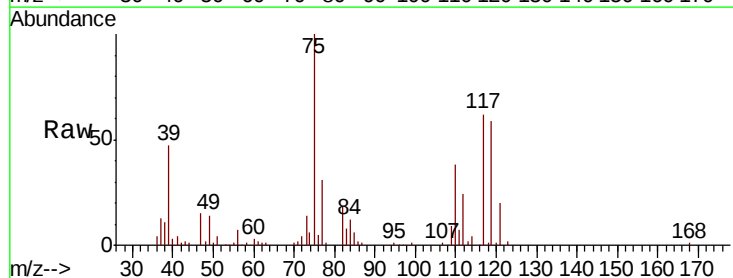
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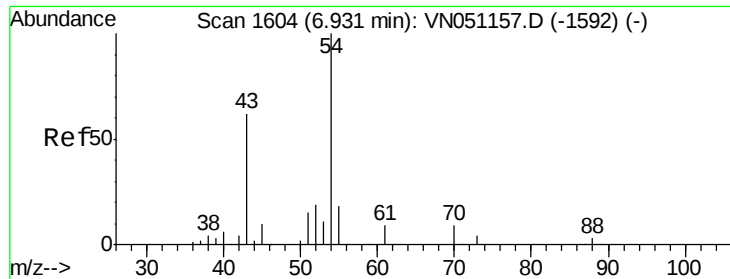
MMDadoda
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#36
1,1-Dichloropropene
Concen: 17.64 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	162662		
110	37.3	18.6	55.8	
77	31.7	25.2	37.8	





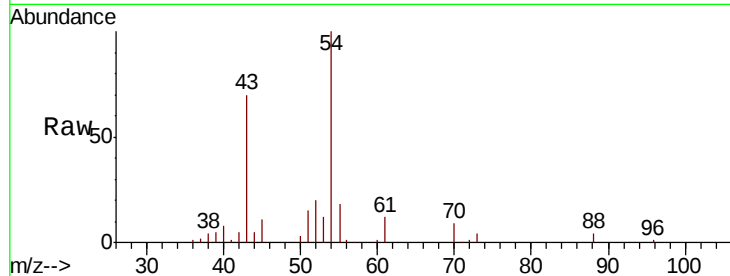
#37
Ethyl Acetate
Concen: 15.74 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS02

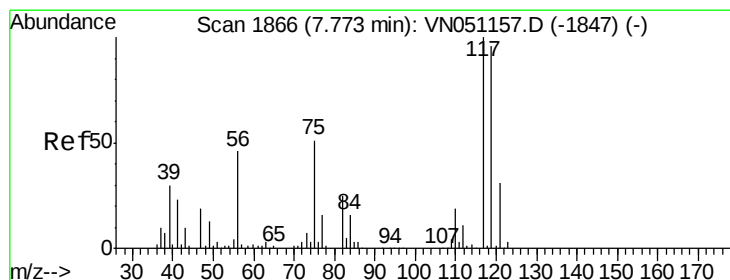
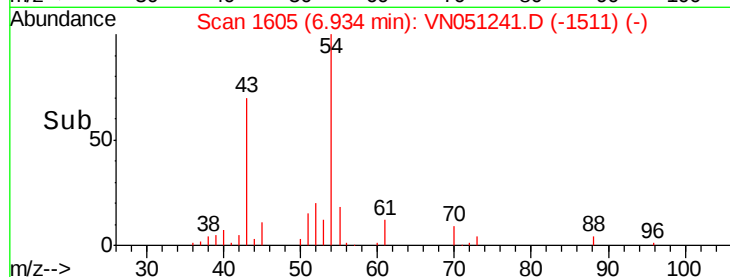
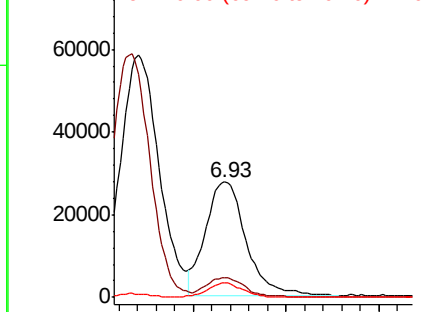
Tot Ion	Ratio	Lower	Upper
43	100		
61	16.7	12.4	18.6
70	10.9	9.3	13.9

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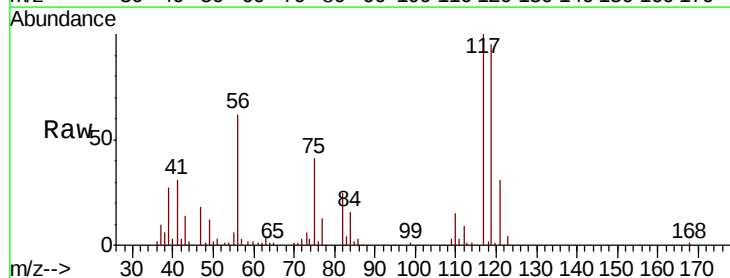


Abundance Ion 43.00 (42.70 to 43.70): VN051157.D (-1592) (-)

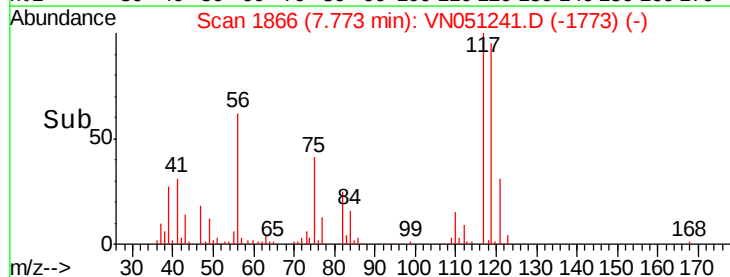
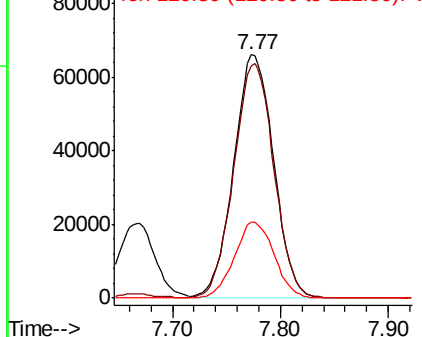


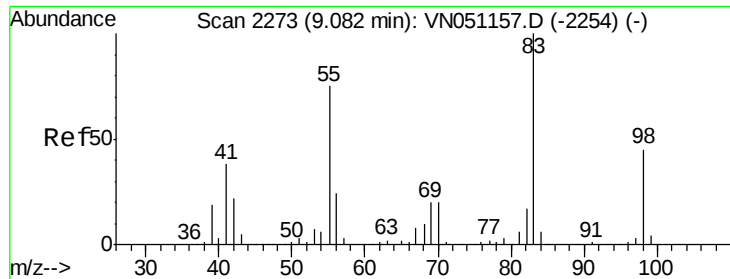
#38
Carbon Tetrachloride
Concen: 18.75 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.8	115.2
121	31.4	24.6	36.8



Abundance Ion 116.80 (116.50 to 117.50): VN051157.D (-1847) (-)





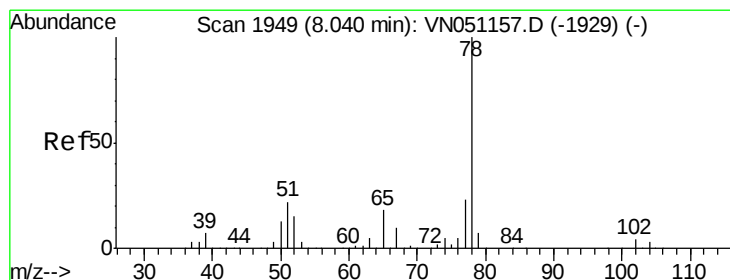
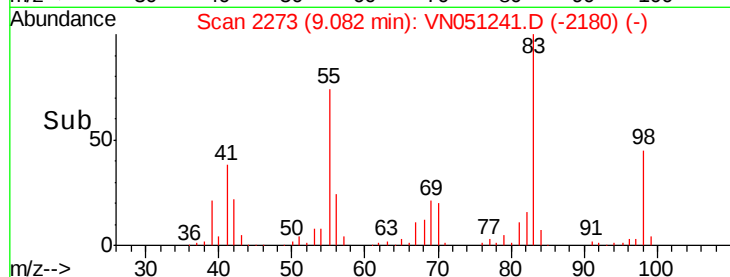
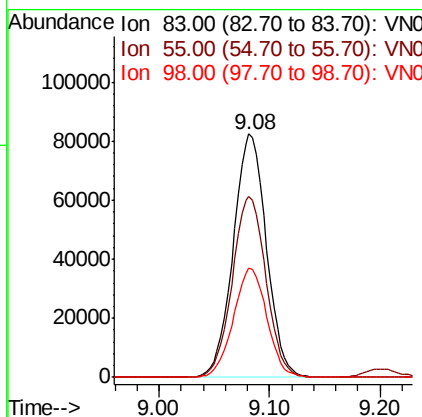
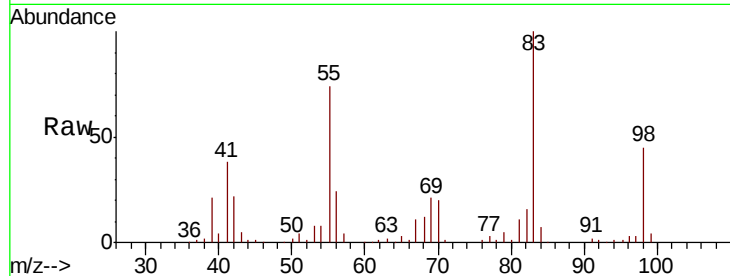
#39
Methvlcvclohexane
Concen: 16.89 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Instrument :
MSVOA_N
ClientSampled :
VN0915WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.0	58.4	87.6
98	44.6	37.3	55.9

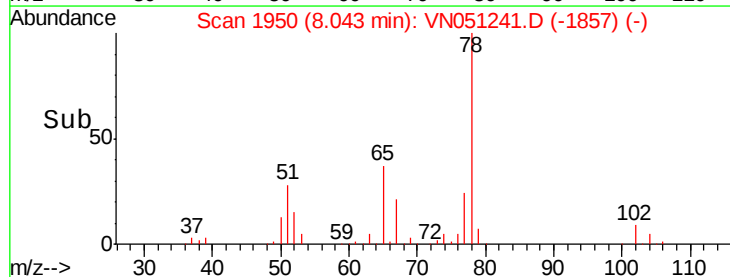
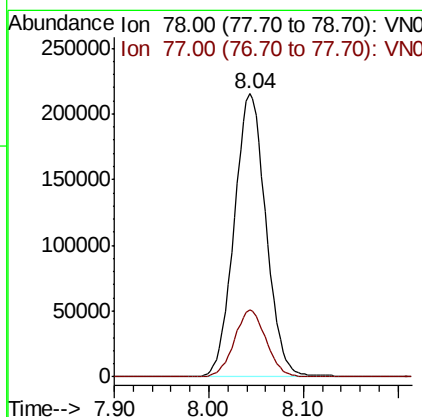
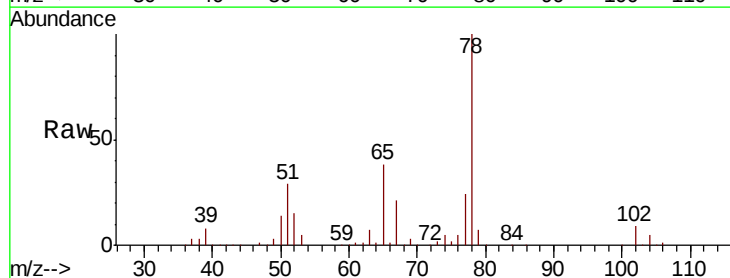
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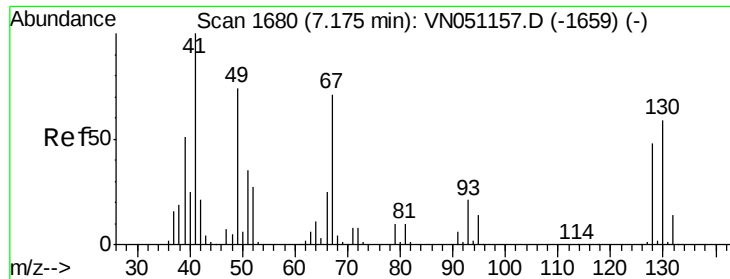
MMDadoda
9/18/2018 4:32:00 PM



#40
Benzene
Concen: 18.08 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.6	27.8





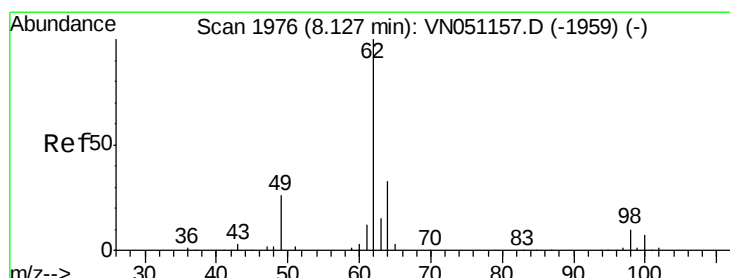
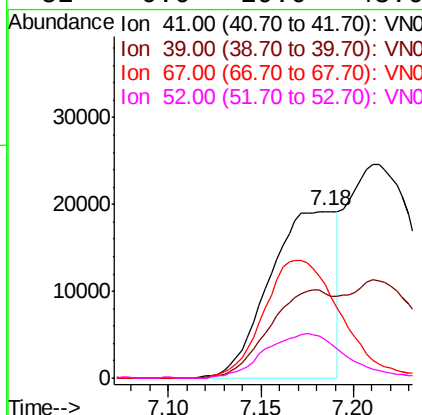
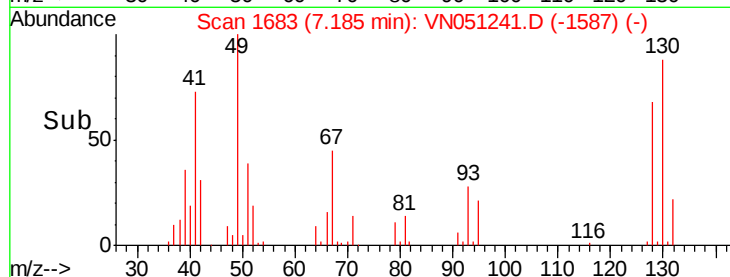
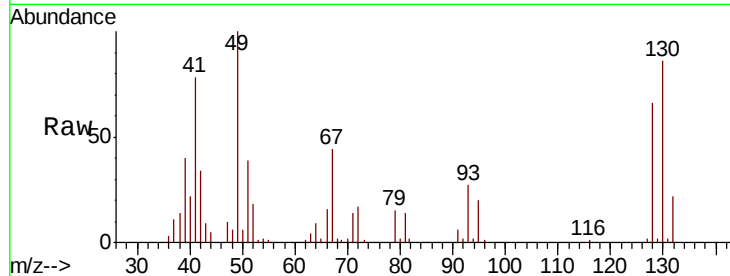
#41
Methacrylonitrile
Concen: 17.43 ug/l m
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	51.3	76.9#
67	0.0	78.5	117.7#
52	0.0	29.0	43.6#

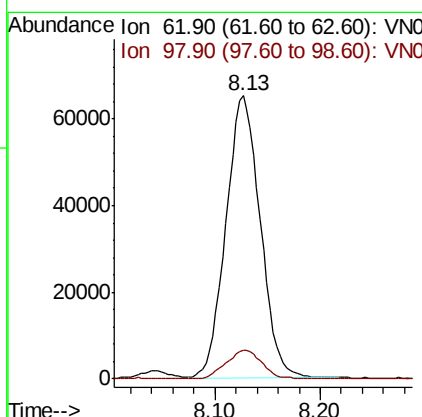
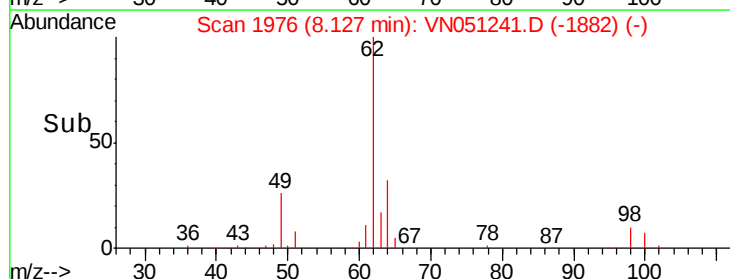
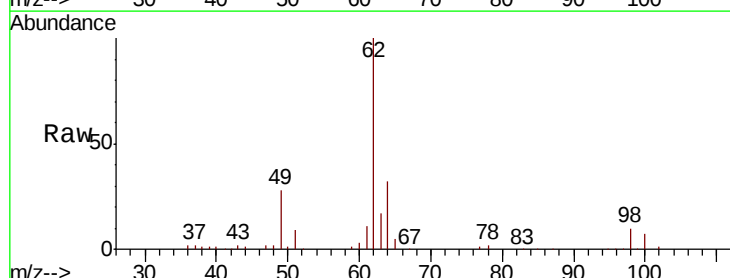
Manual Integrations
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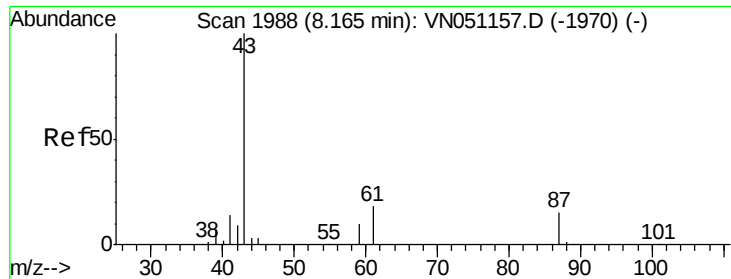
MMDadoda
9/18/2018 4:32:00 PM



#42
1,2-Dichloroethane
Concen: 18.18 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.0





#43

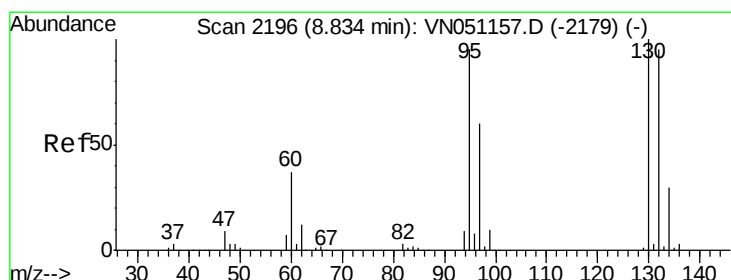
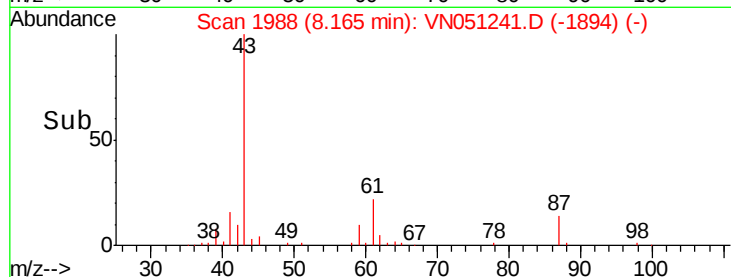
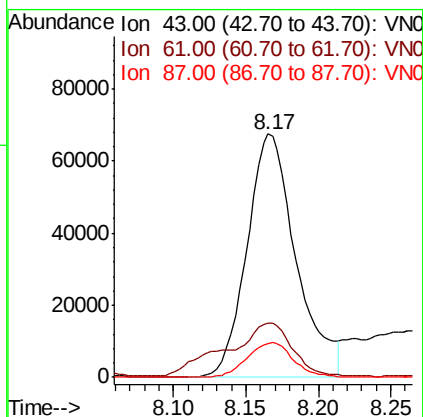
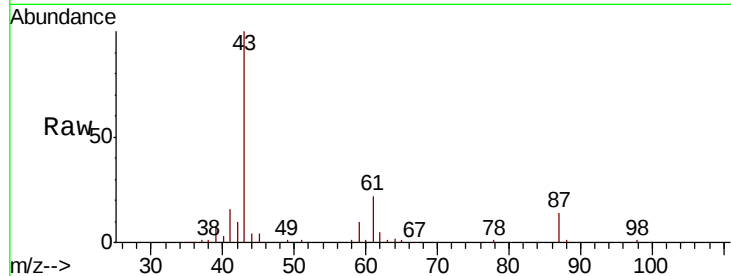
Isopropyl Acetate
 Concen: 16.91 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN051241.D
 Acq: 15 Sep 2018 23:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.6	25.0	37.6
87	13.4	11.8	17.8

Manual Integrations
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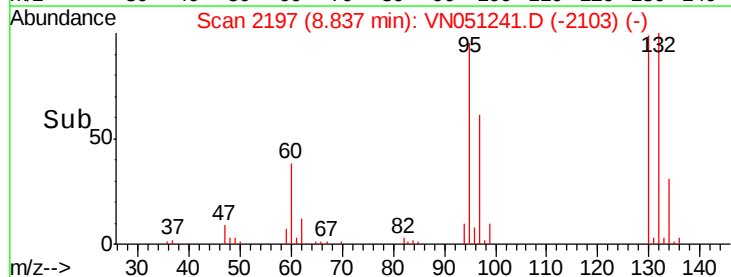
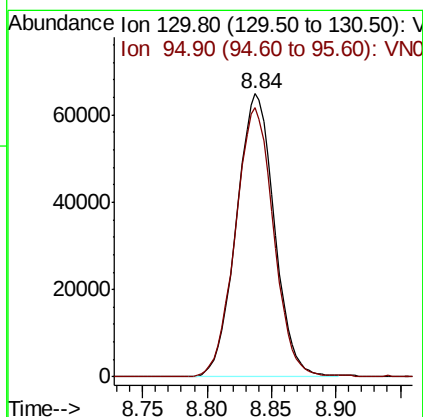
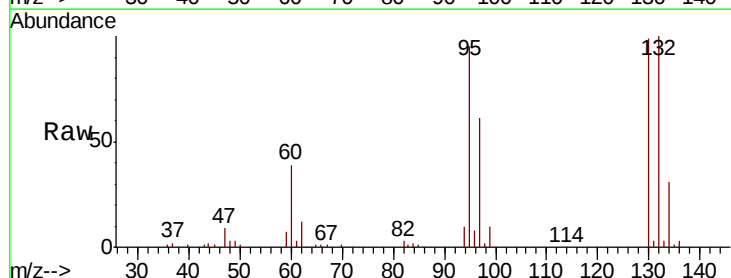
MMDadoda
 9/18/2018 4:32:00 PM

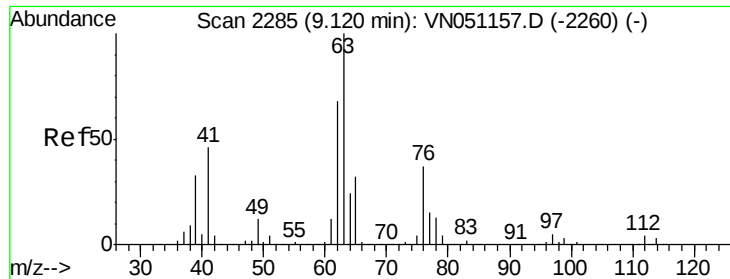


#44

Trichloroethene
 Concen: 17.54 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051241.D
 Acq: 15 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	186.2





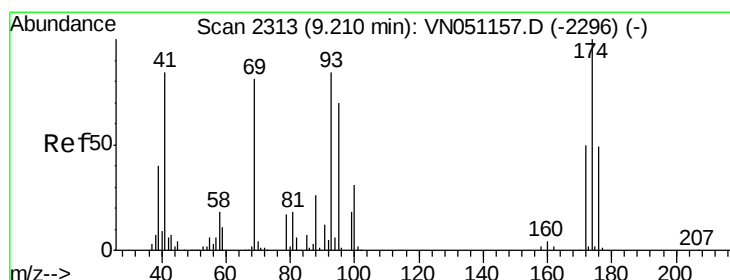
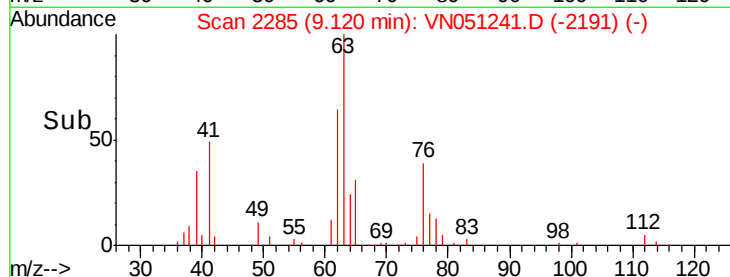
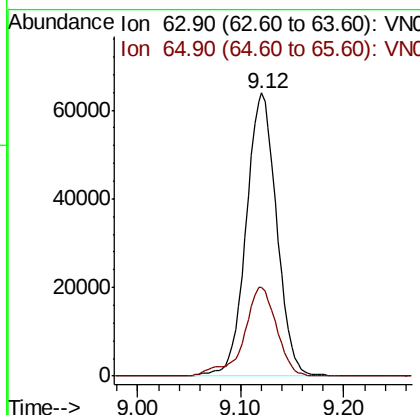
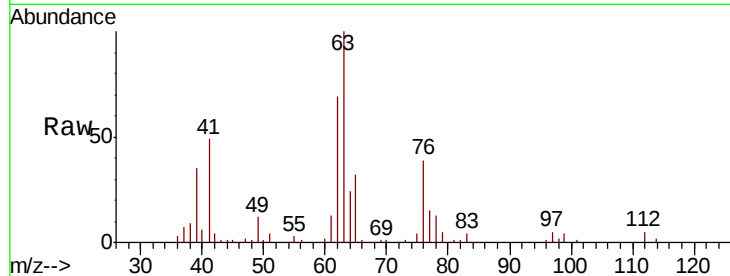
#45
 1,2-Dichloropropane
 Concen: 18.21 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051241.D
 Acq: 15 Sep 2018 23:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS02

Tot Ion: 63 Resp: 130790
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.7 37.1

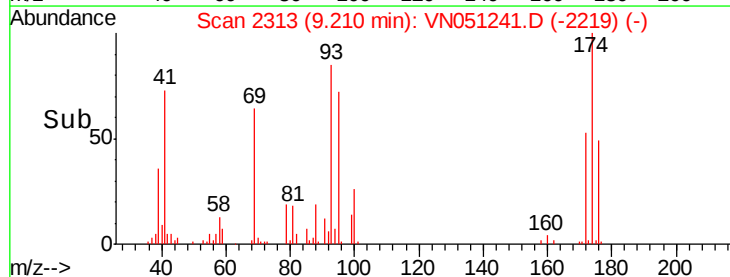
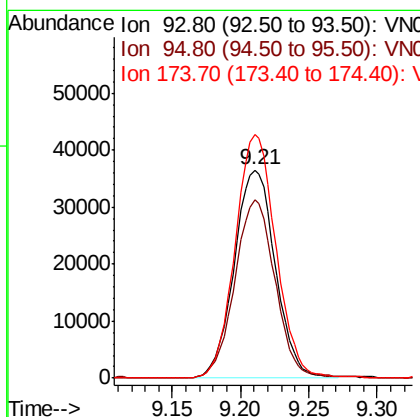
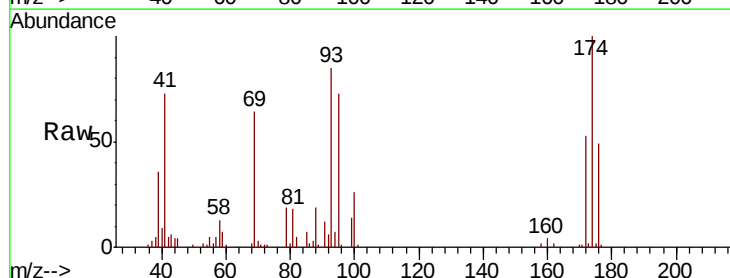
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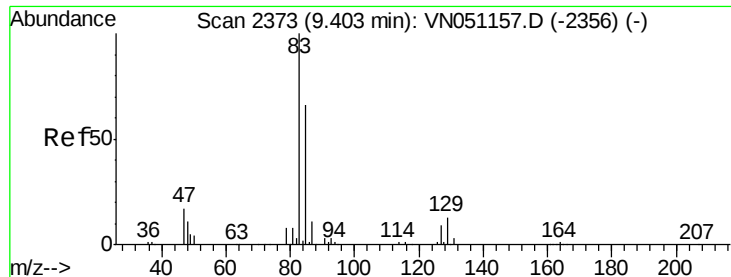
MMDadoda
 9/18/2018 4:32:00 PM



#46
 Dibromomethane
 Concen: 17.45 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051241.D
 Acq: 15 Sep 2018 23:41

Tgt Ion: 93 Resp: 76472
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.8 100.2
 174 115.8 93.3 139.9





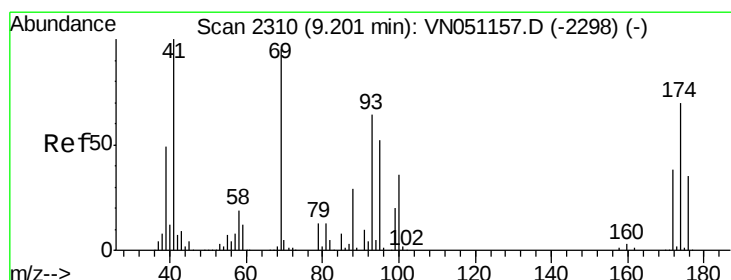
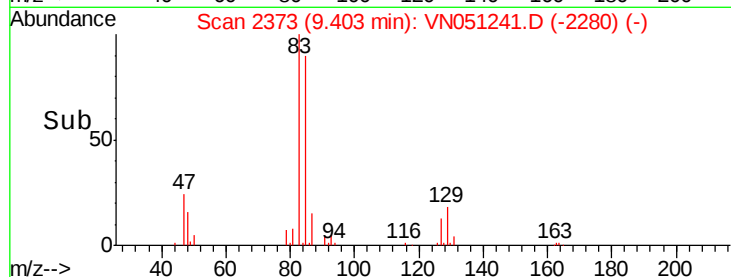
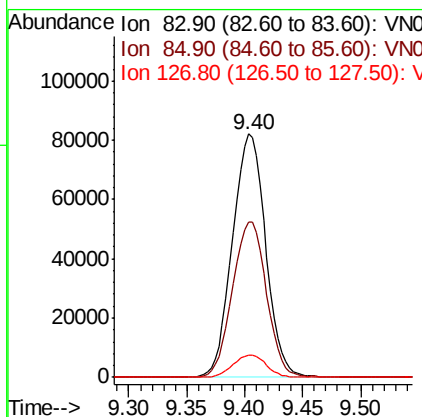
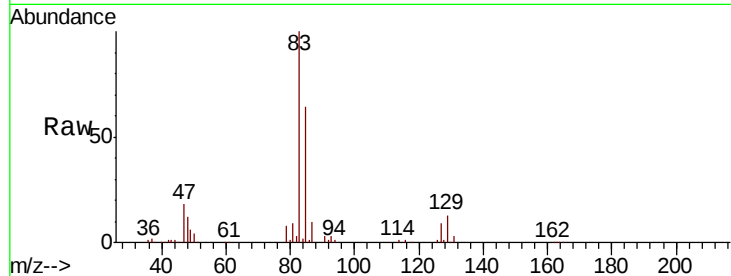
#47
Bromodichloromethane
Concen: 18.29 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	162925		
85	64.0		52.3	78.5
127	9.1		7.5	11.3

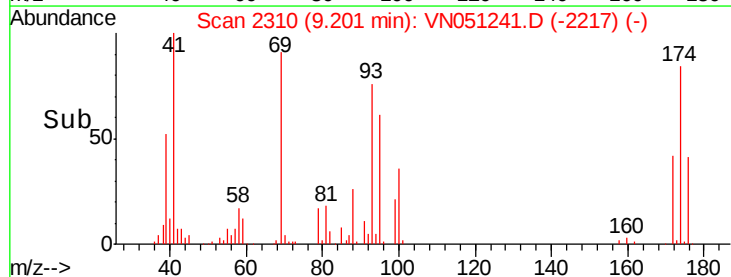
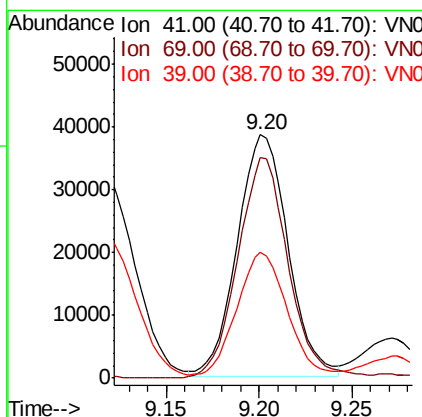
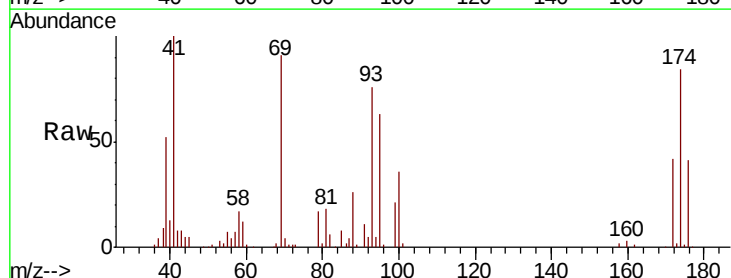
Manual Integrations
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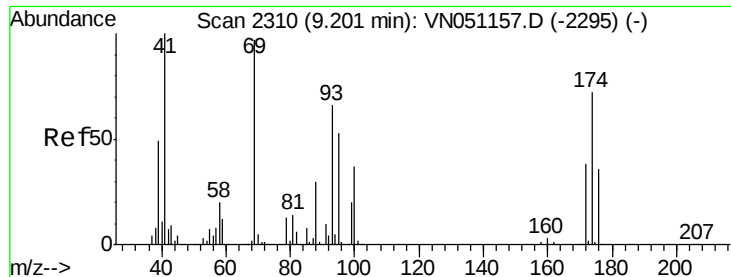
MMDadoda
9/18/2018 4:32:00 PM



#48
Methyl methacrylate
Concen: 16.09 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	73879		
69	90.4		77.7	116.5
39	51.3		41.6	62.4





#49

1,4-Dioxane

Concen: 284.24 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051241.D

Acq: 15 Sep 2018 23:41

Instrument :

MSVOA_N

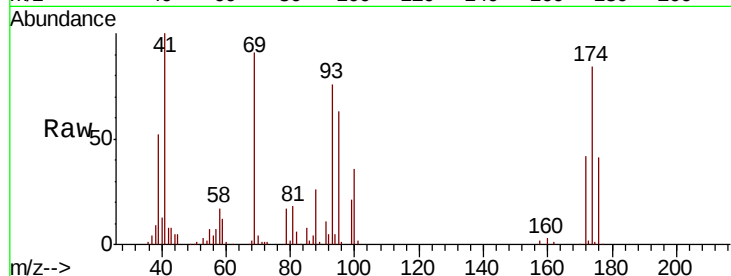
ClientSampleId :

VN0915WBS02

Tot Ion:	88	Resp:	20472
Ion	Ratio	Lower	Upper
88	100		
43	30.1	23.7	35.5
58	67.6	54.6	82.0

Manual Integrations
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MMDadoda
9/18/2018 4:32:00 PM

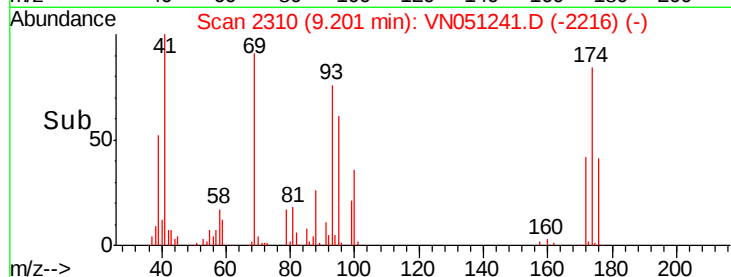


Abundance Ion 88.00 (87.70 to 88.70): VN051157.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN051157.D (-2295) (-)

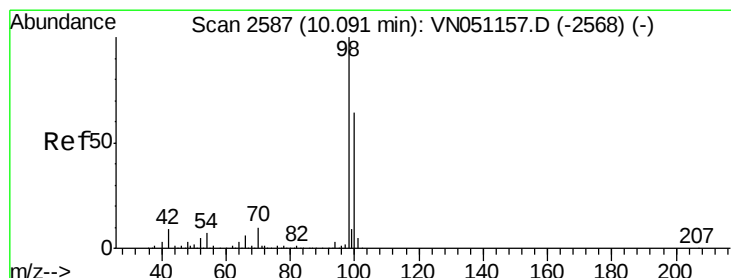
Ion 58.00 (57.70 to 58.70): VN051157.D (-2295) (-)

Time-->



Abundance

Time-->



#50

Toluene-d8

Concen: 43.77 ug/l

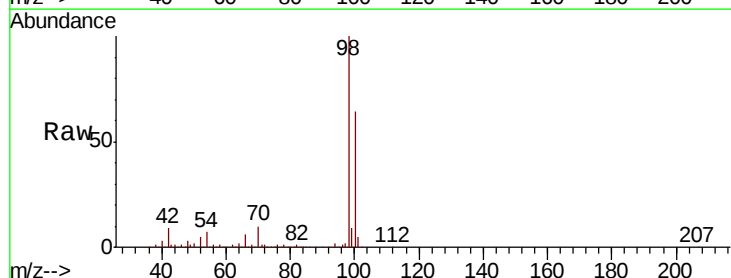
RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051241.D

Acq: 15 Sep 2018 23:41

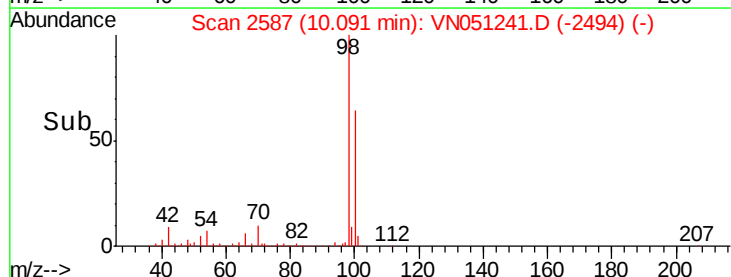
Tgt Ion:	98	Resp:	1048383
Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.0	78.0



Abundance Ion 98.00 (97.70 to 98.70): VN051157.D (-2568) (-)

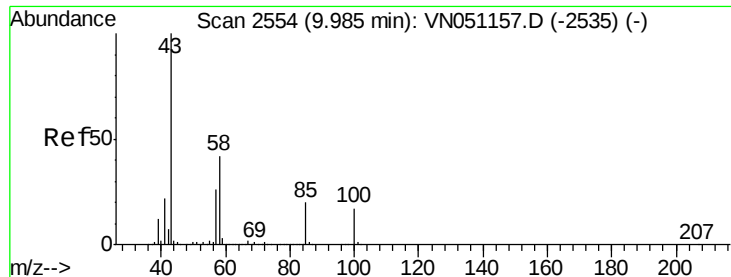
Ion 100.00 (99.70 to 100.70): VN051157.D (-2568) (-)

Time-->



Abundance

Time-->



#51

4-Methyl-2-Pentanone

Concen: 75.81 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051241.D

Acq: 15 Sep 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS02

Tot Ion: 43 Resp: 395101

Ion Ratio Lower Upper

43 100

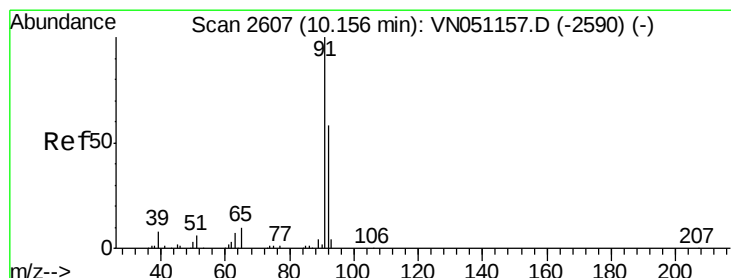
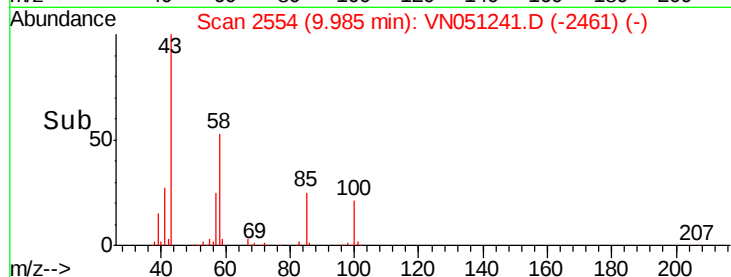
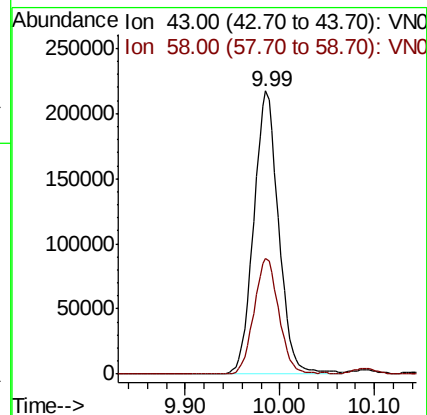
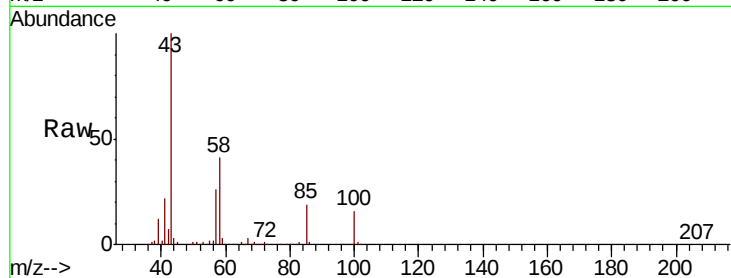
58 41.0 33.5 50.3

Manual Integrations

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#52

Toluene

Concen: 18.35 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051241.D

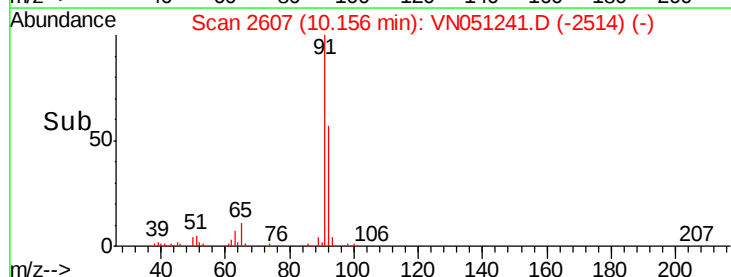
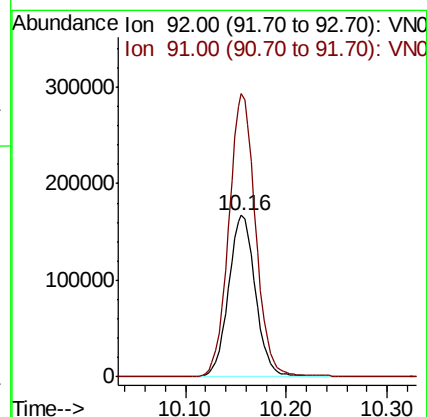
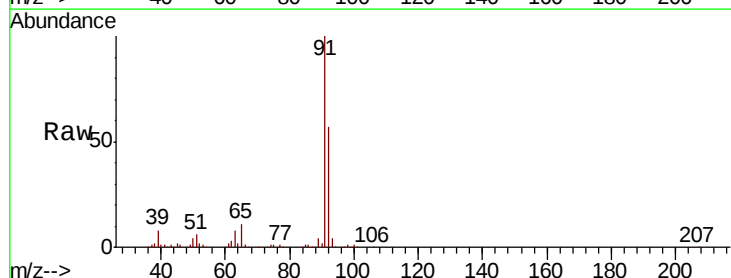
Acq: 15 Sep 2018 23:41

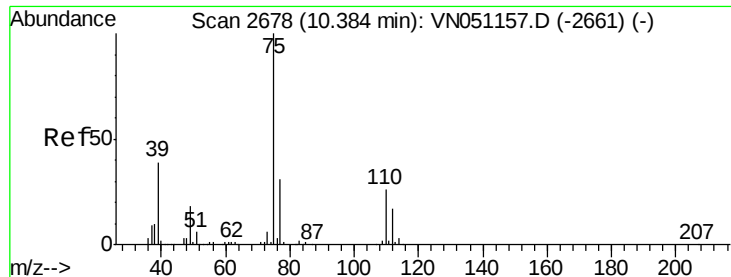
Tgt Ion: 92 Resp: 310923

Ion Ratio Lower Upper

92 100

91 175.3 139.5 209.3





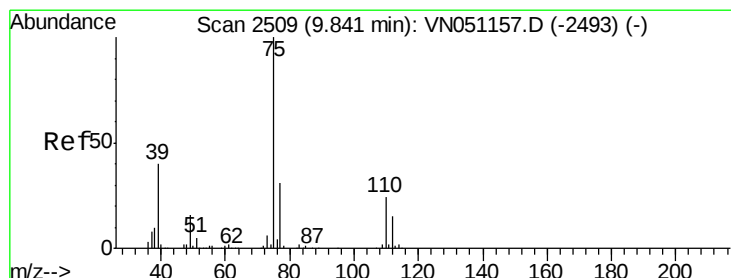
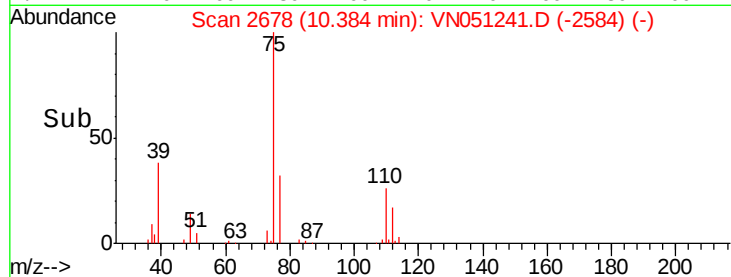
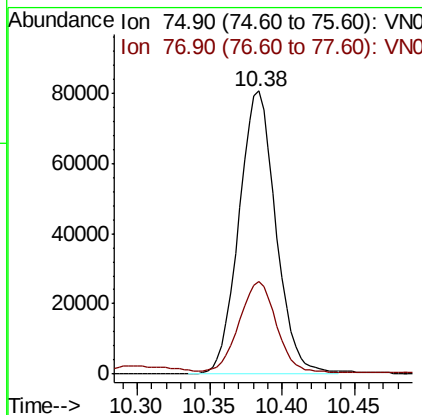
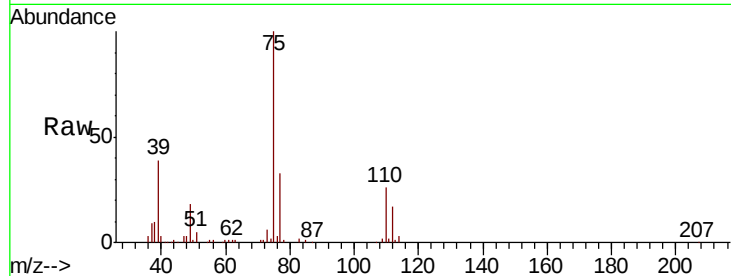
#53
t-1,3-Dichloropropene
Concen: 16.04 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.3	37.9

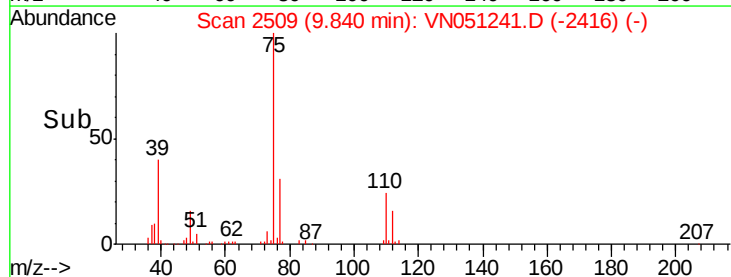
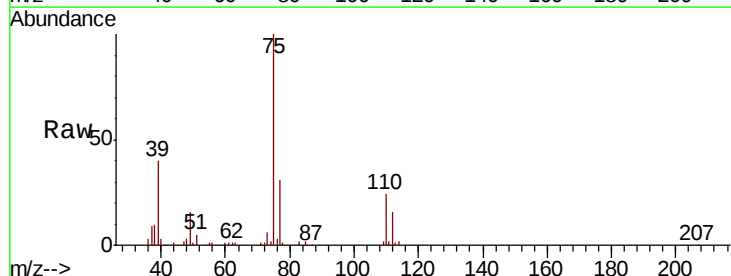
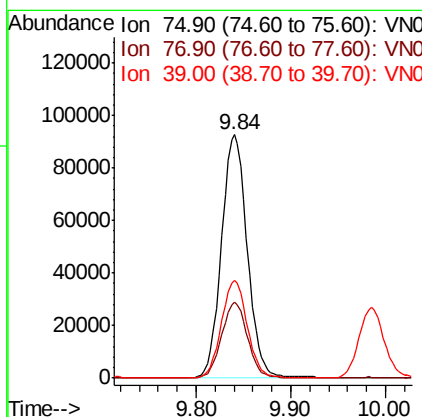
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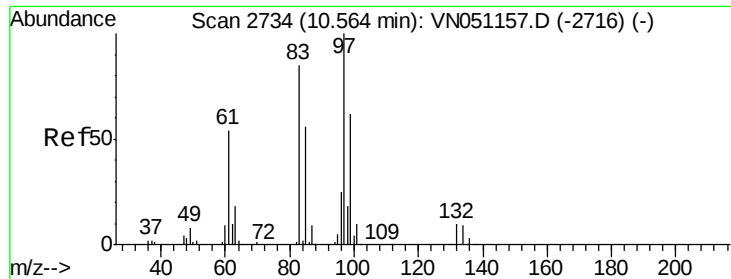
MMDadoda
9/18/2018 4:32:00 PM



#54
cis-1,3-Dichloropropene
Concen: 16.82 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.7	38.5
39	40.4	31.9	47.9





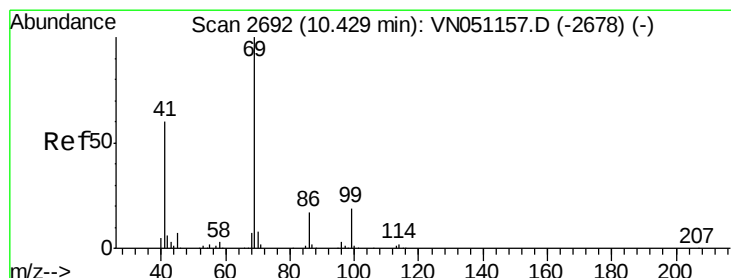
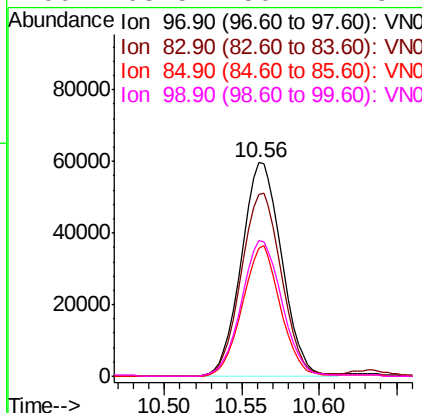
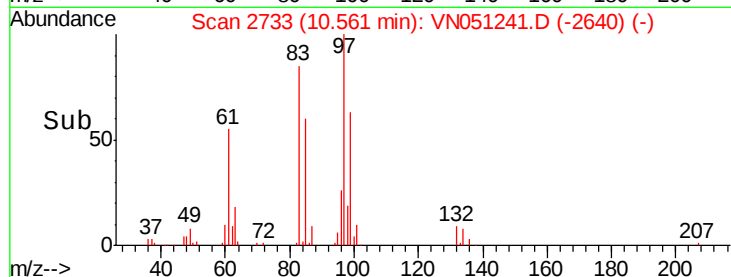
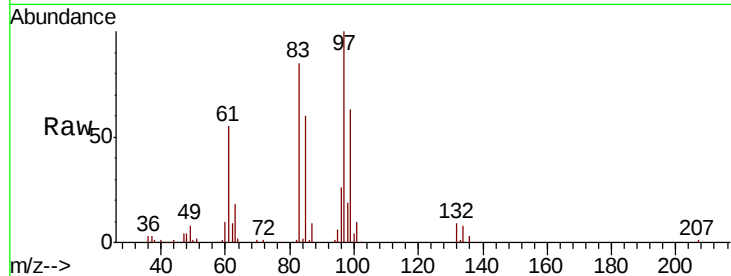
#55
 1,1,2-Trichloroethane
 Concen: 17.64 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051241.D
 Acq: 15 Sep 2018 23:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS02

Tot Ion:	97	Resp:	108615
Ion	Ratio	Lower	Upper
97	100		
83	84.9	68.2	102.2
85	60.2	44.8	67.2
99	63.5	50.2	75.4

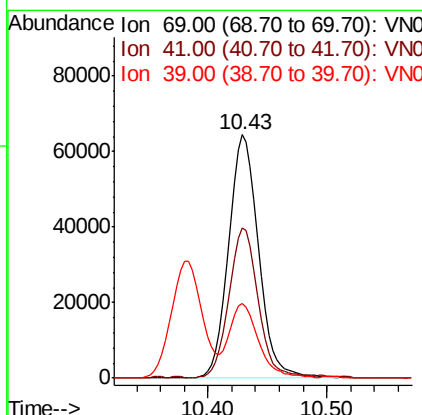
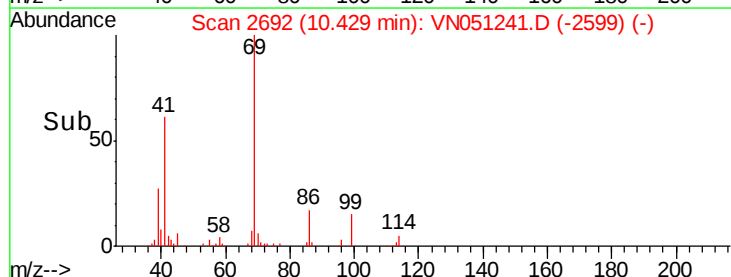
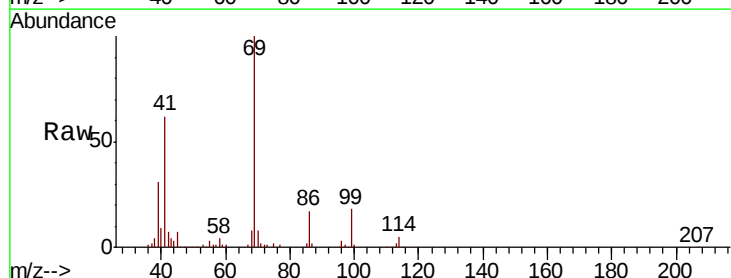
Manual Integrations
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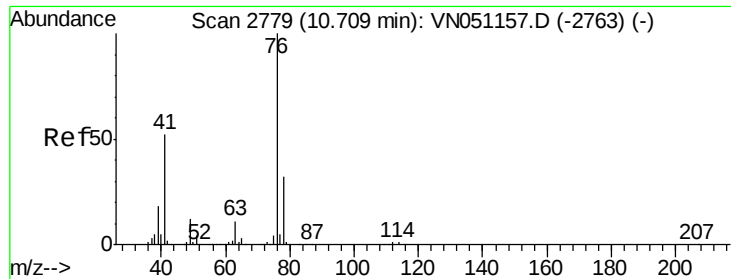
MMDadoda
 9/18/2018 4:32:00 PM



#56
 Ethyl methacrylate
 Concen: 15.40 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051241.D
 Acq: 15 Sep 2018 23:41

Tgt Ion:	69	Resp:	112495
Ion	Ratio	Lower	Upper
69	100		
41	59.6	47.8	71.8
39	29.4	23.0	34.4





#57

1,3-Dichloropropane

Concen: 17.30 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051241.D

Acq: 15 Sep 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS02

Tot Ion: 76 Resp: 176540

Ion Ratio Lower Upper

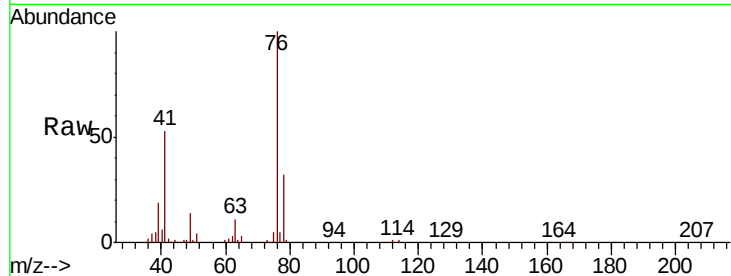
76 100

78 32.2 26.1 39.1

Manual Integrations
APPROVED

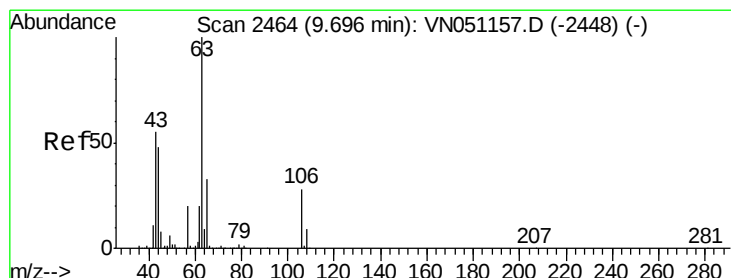
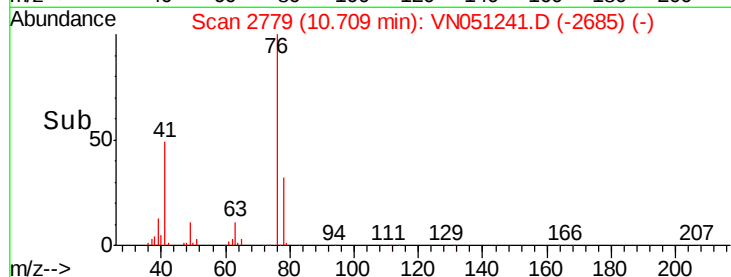
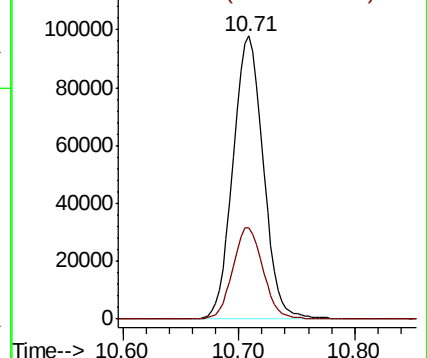
MMDadoda

9/18/2018 4:32:00 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 74.37 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051241.D

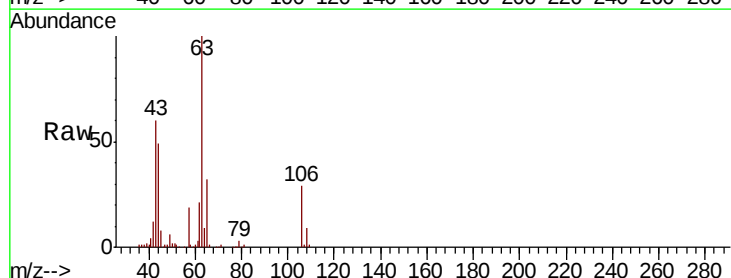
Acq: 15 Sep 2018 23:41

Tgt Ion: 63 Resp: 218719

Ion Ratio Lower Upper

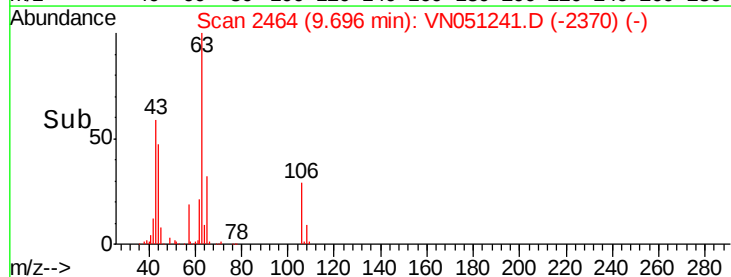
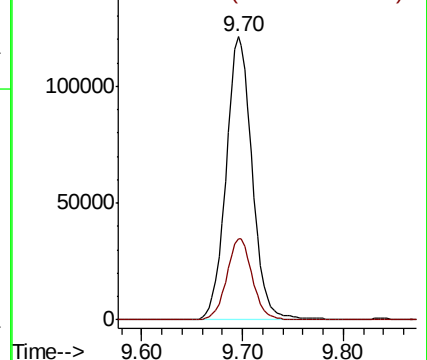
63 100

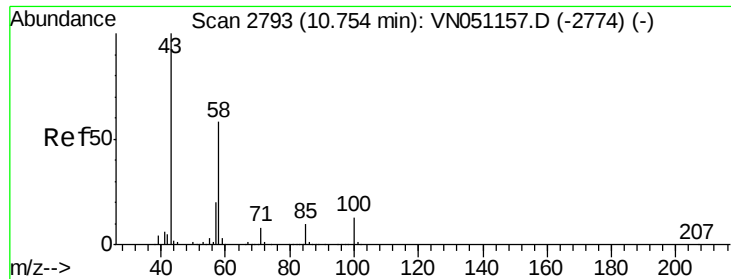
106 28.2 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





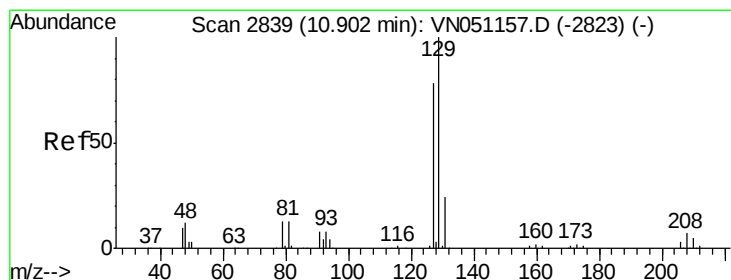
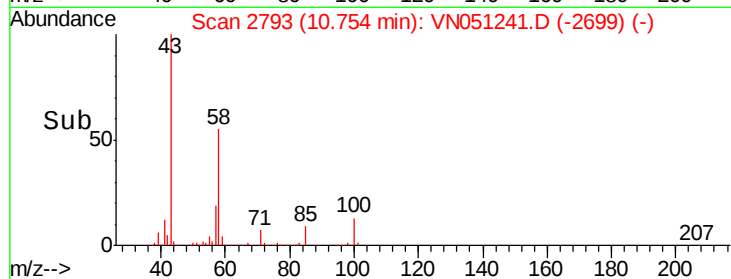
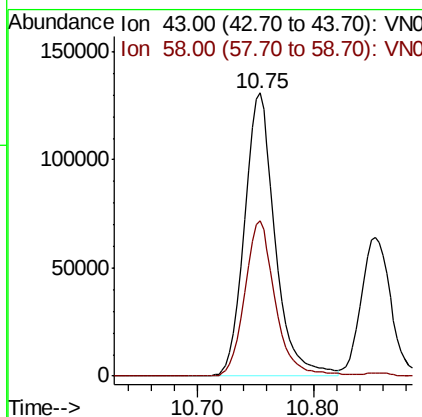
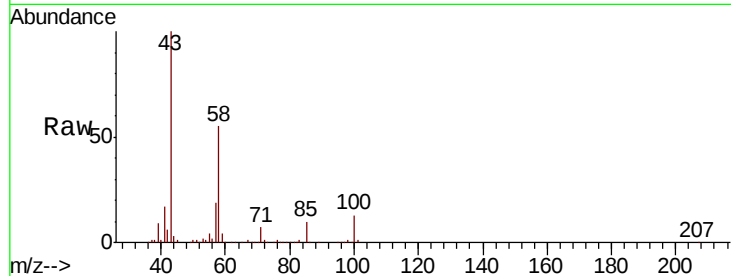
#59
2-Hexanone
Concen: 67.55 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.1	29.3	88.0

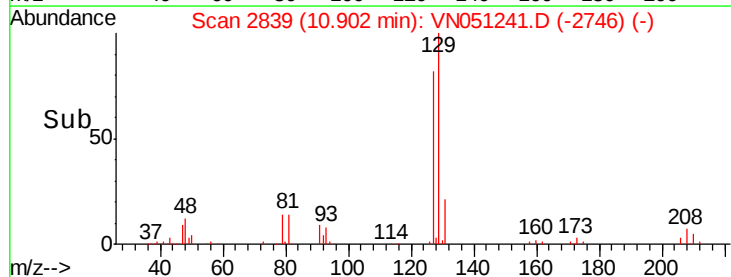
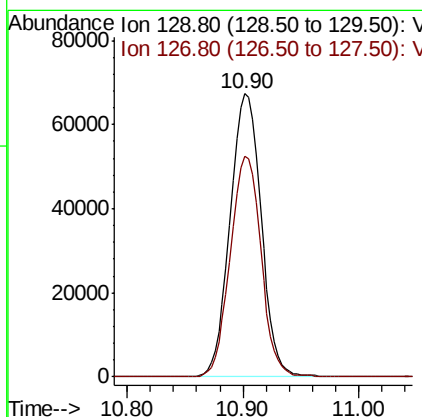
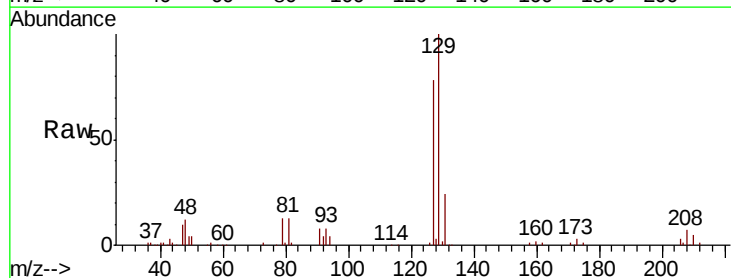
Manual Integrations
APPROVED

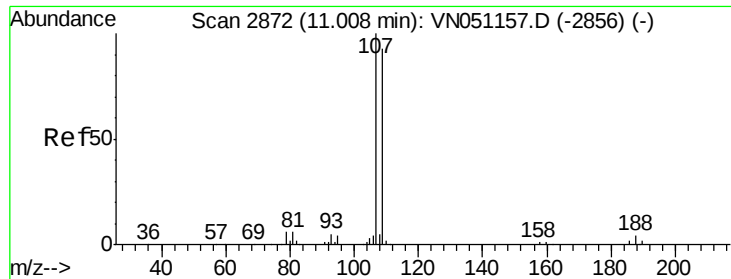
MMDadoda
9/18/2018 4:32:00 PM



#60
Dibromochloromethane
Concen: 18.01 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.5	115.5





#61

1,2-Dibromoethane

Concen: 17.15 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051241.D

Acq: 15 Sep 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS02

Tot Ion: 107 Resp: 103172

Ion Ratio Lower Upper

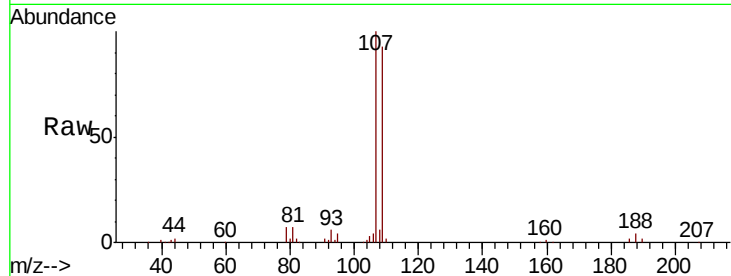
107 100

109 92.7 76.0 114.0

Manual Integrations
APPROVED

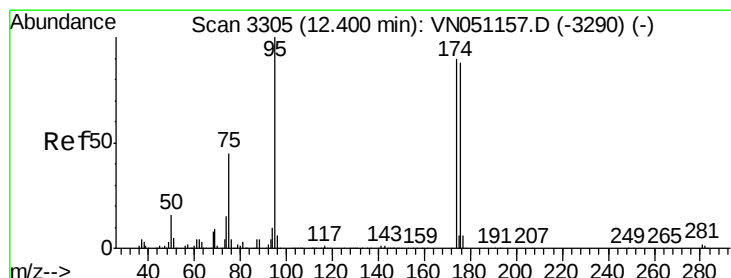
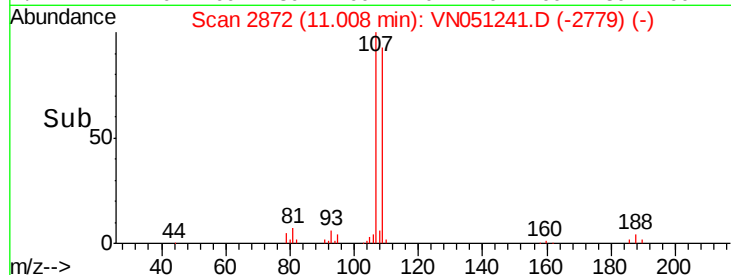
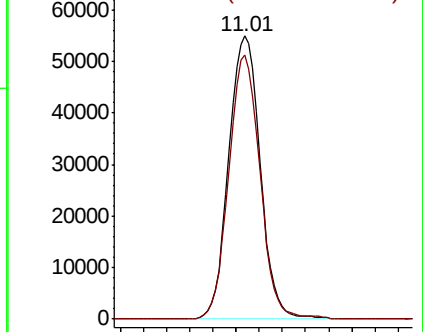
MMDadoda

9/18/2018 4:32:00 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 40.42 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051241.D

Acq: 15 Sep 2018 23:41

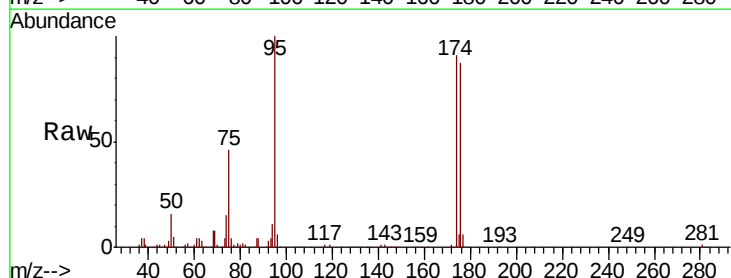
Tgt Ion: 95 Resp: 320284

Ion Ratio Lower Upper

95 100

174 92.7 0.0 184.8

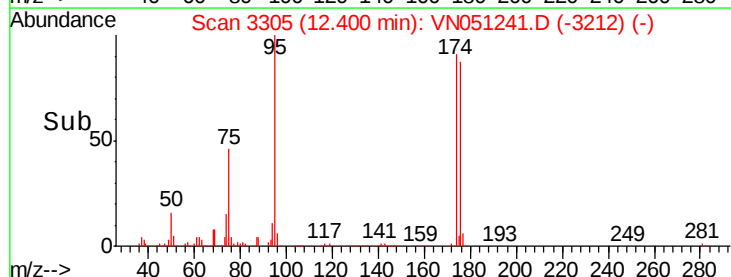
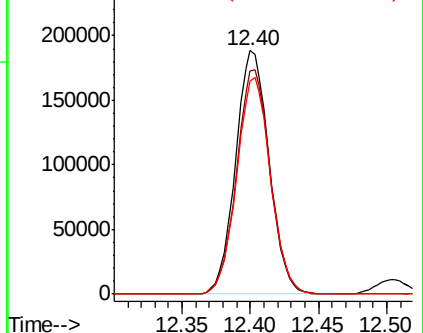
176 89.7 0.0 178.6

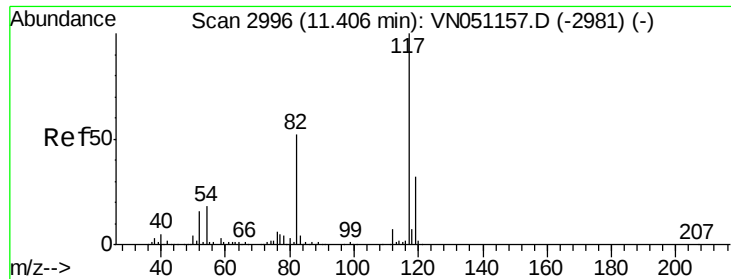


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





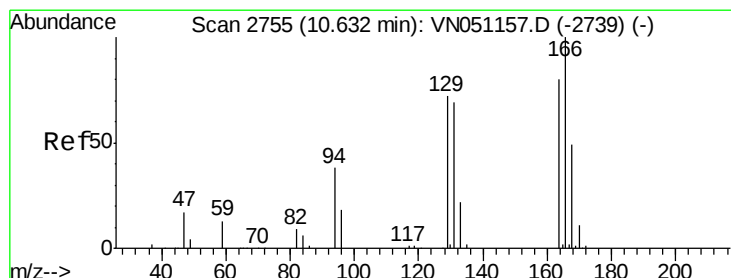
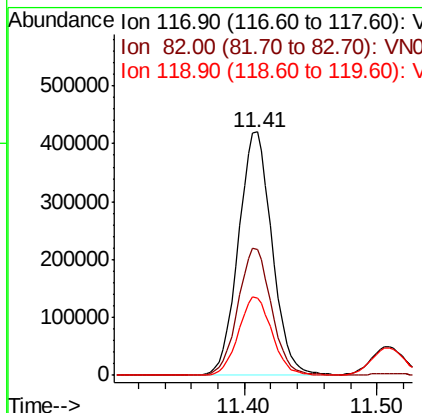
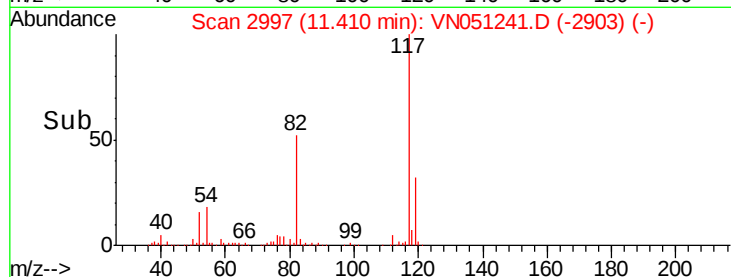
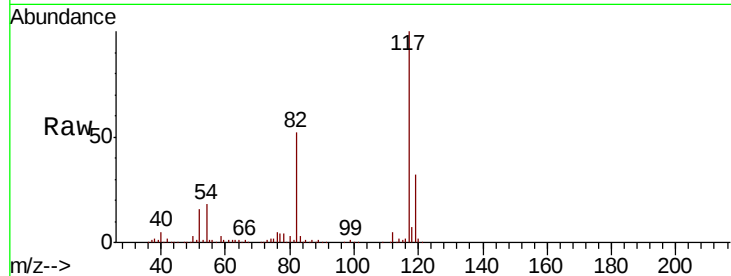
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	41.8	62.6
119	31.9	26.2	39.2

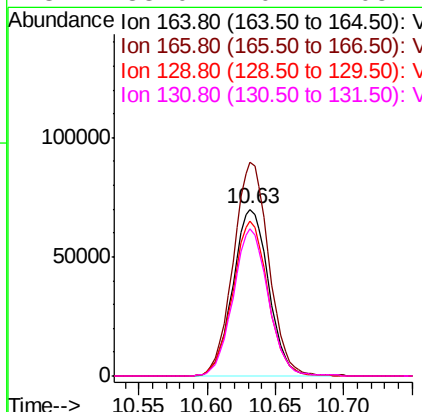
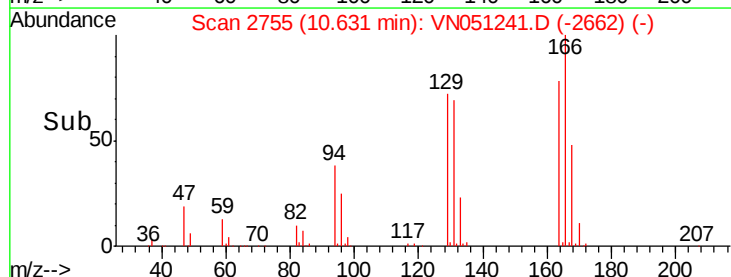
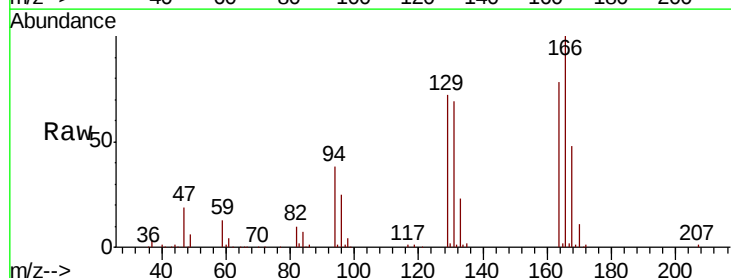
Manual Integrations
APPROVED

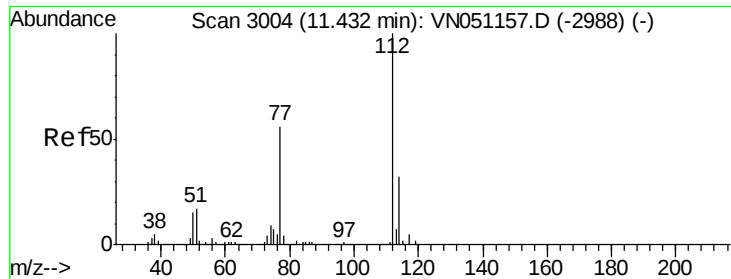
MMDadoda
9/18/2018 4:32:00 PM



#64
Tetrachloroethene
Concen: 18.82 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	101.3	151.9
129	92.6	72.2	108.2
131	88.0	70.2	105.2





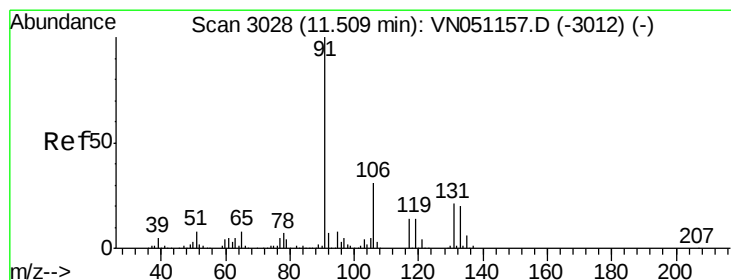
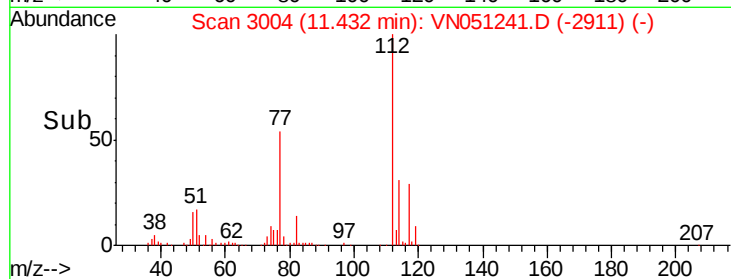
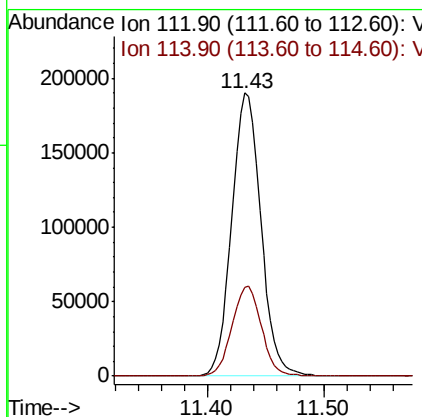
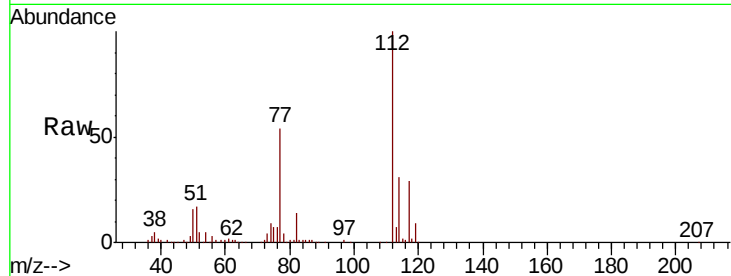
#65
Chlorobenzene
Concen: 17.78 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.8	38.6

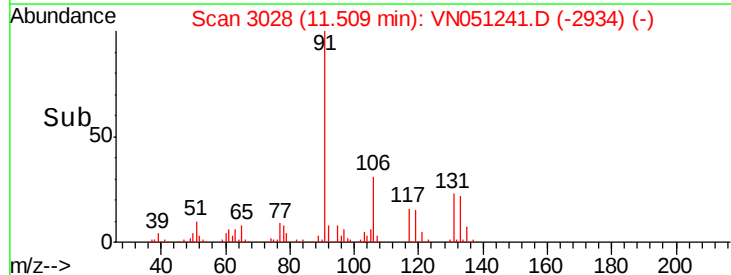
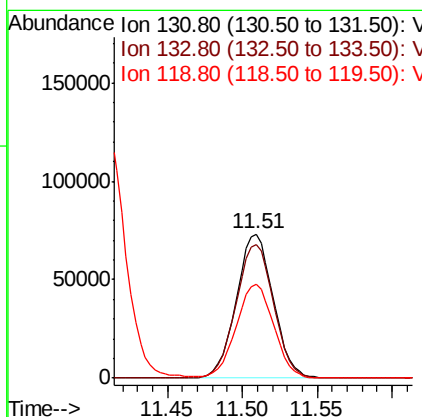
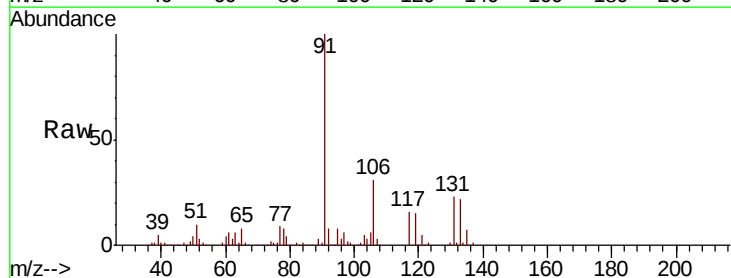
Manual Integrations
APPROVED

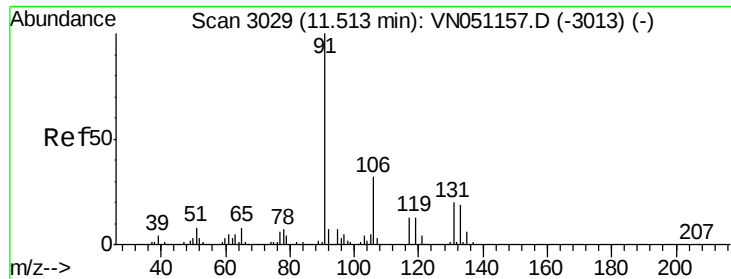
MMDadoda
9/18/2018 4:32:00 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.75 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.5	142.6
119	66.3	33.2	99.6





#67

Ethyl Benzene

Concen: 17.58 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051241.D

Acq: 15 Sep 2018 23:41

Instrument :

MSVOA_N

ClientSampled :

VN0915WBS02

Tot Ion: 91 Resp: 531187

Ion Ratio Lower Upper

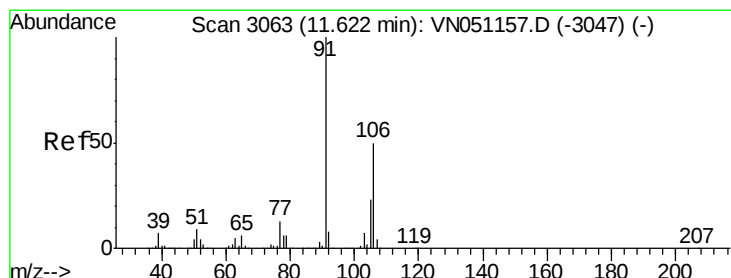
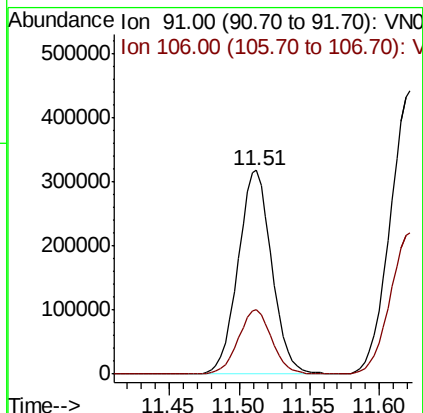
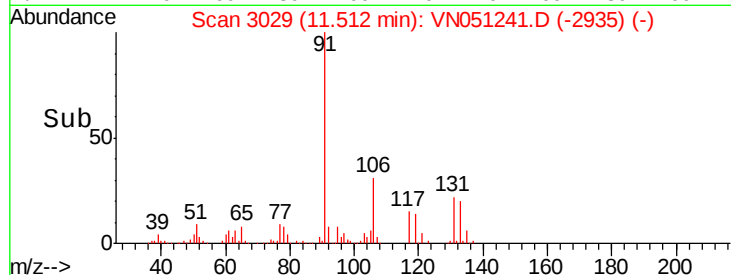
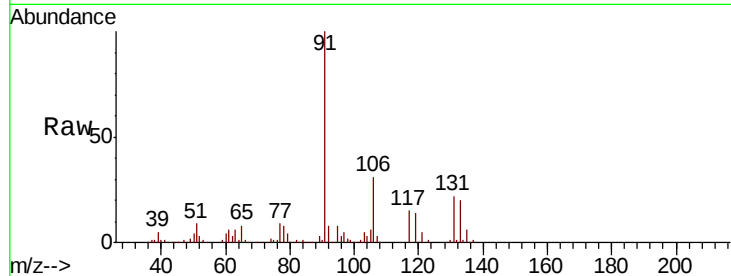
91 100

106 31.5 25.4 38.2

Manual Integrations
APPROVED

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9/18/2018 4:32:00 PM



#68

m/p-Xylenes

Concen: 36.57 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN051241.D

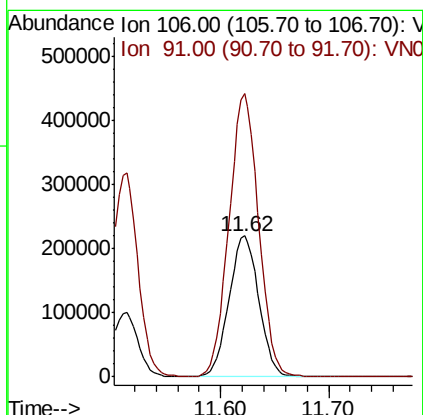
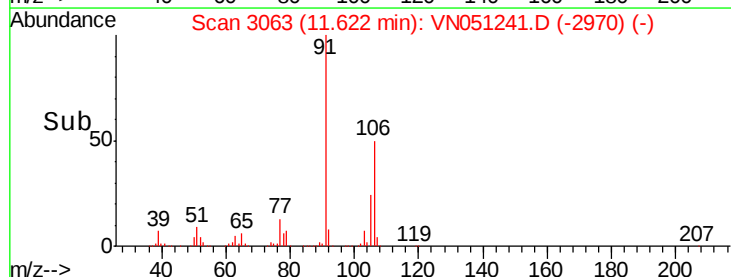
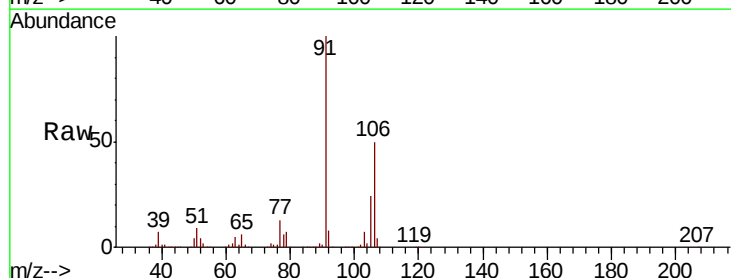
Acq: 15 Sep 2018 23:41

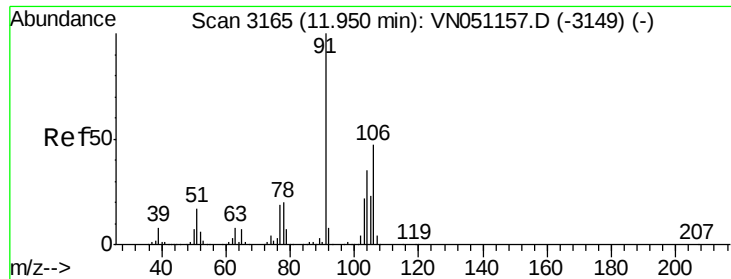
Tgt Ion: 106 Resp: 424558

Ion Ratio Lower Upper

106 100

91 198.5 159.8 239.6





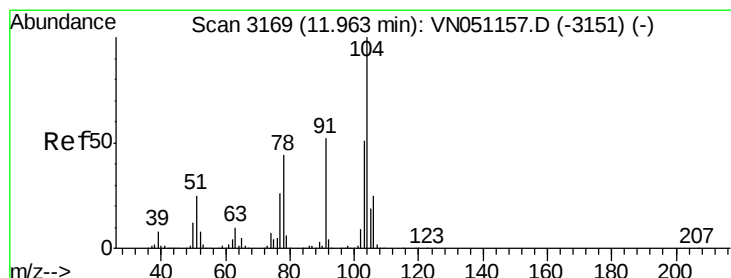
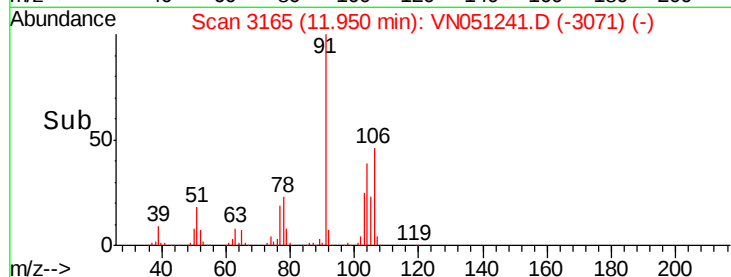
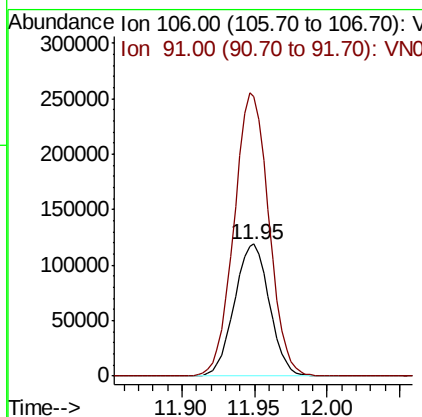
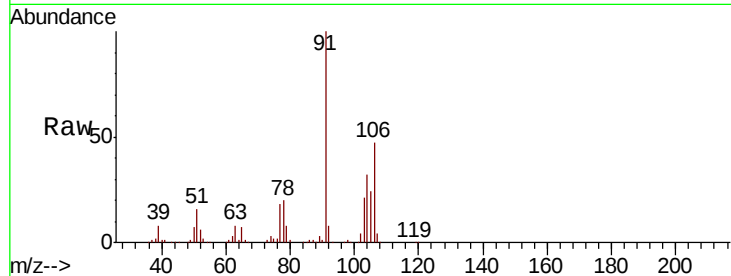
#69
o-Xylene
Concen: 17.79 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	200019		
91	91	212.5	105.1	315.1	

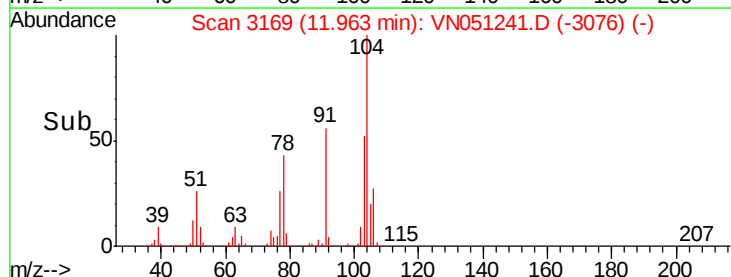
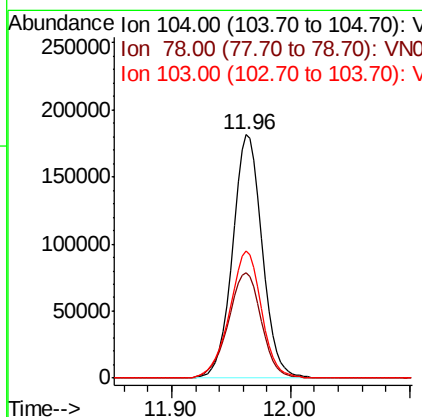
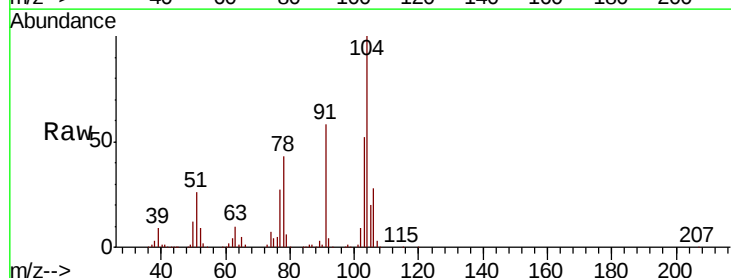
Manual Integrations
APPROVED

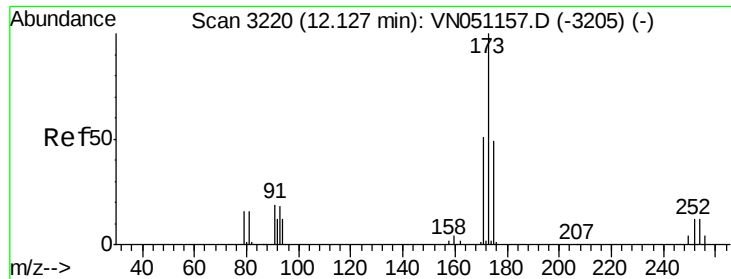
MMDadoda
9/18/2018 4:32:00 PM



#70
Styrene
Concen: 17.93 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	312606		
78	78	48.5	37.7	56.5	
103	103	56.6	44.6	67.0	





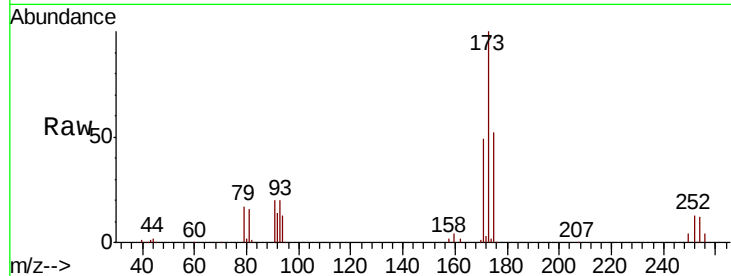
#71
Bromoform
Concen: 17.01 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	72.9
254	0.0	0.0	0.0

Manual Integrations
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MMDadoda
9/18/2018 4:32:00 PM

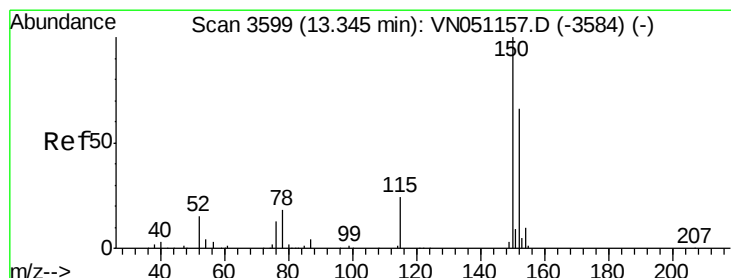
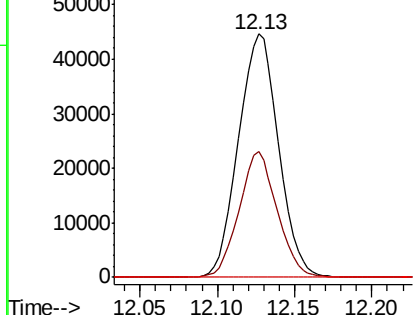
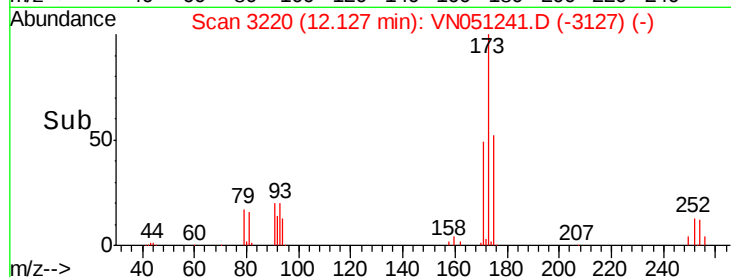


Abundance

Ion 172.70 (172.40 to 173.40): V

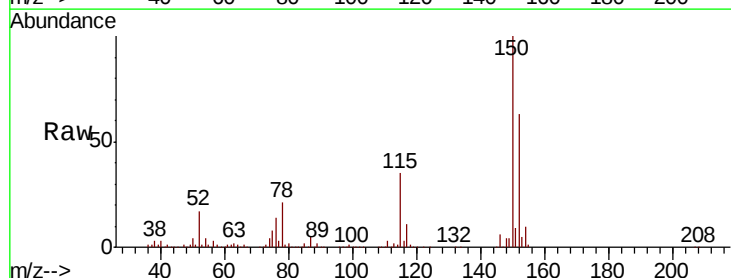
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	28.2	84.7
150	162.2	0.0	349.0

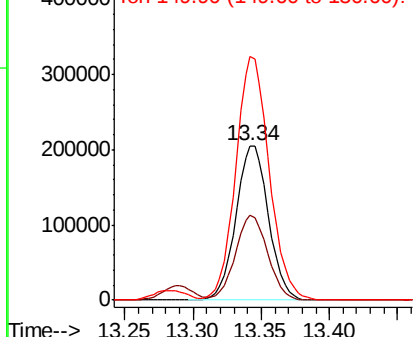
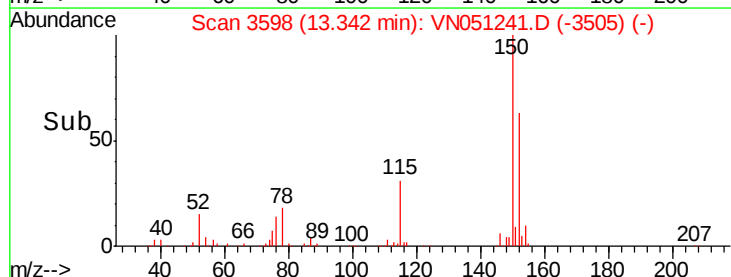


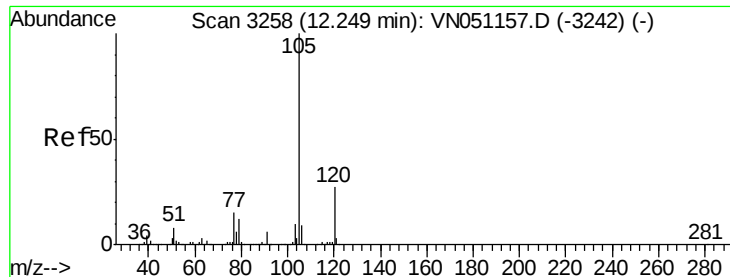
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.39 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051241.D

Acq: 15 Sep 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS02

Tot Ion: 105 Resp: 523229

Ion Ratio Lower Upper

105 100

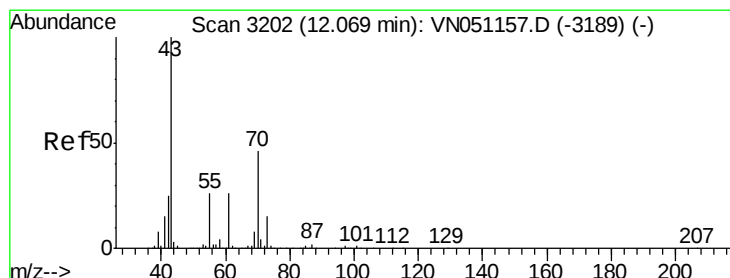
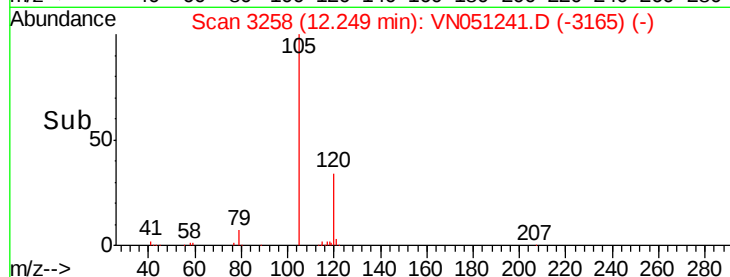
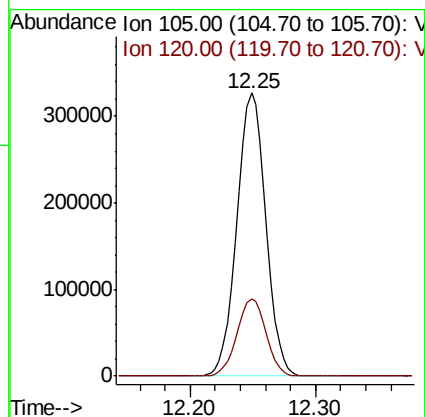
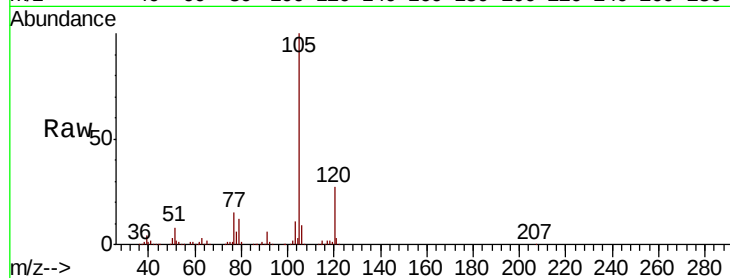
120 27.4 13.6 40.7

Manual Integrations

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MMDadoda

9/18/2018 4:32:00 PM



#74

N-ethyl acetate

Concen: 14.18 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051241.D

Acq: 15 Sep 2018 23:41

Tgt Ion: 43 Resp: 101551

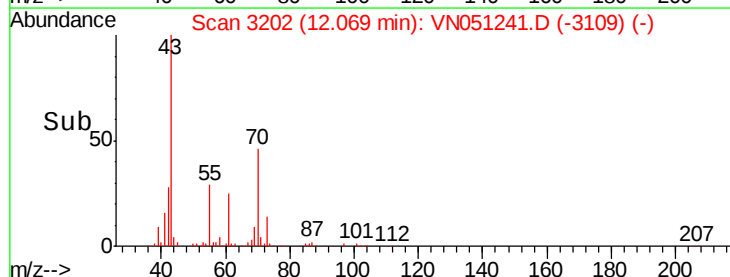
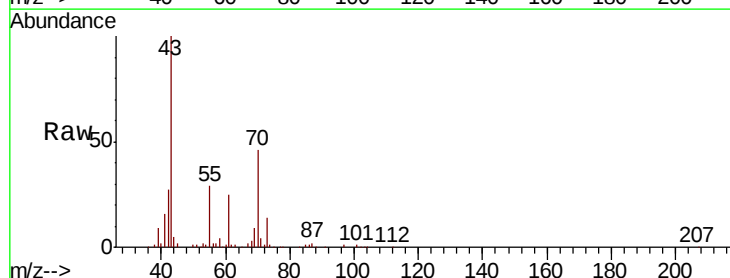
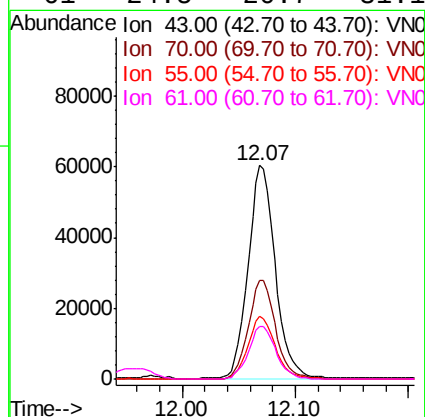
Ion Ratio Lower Upper

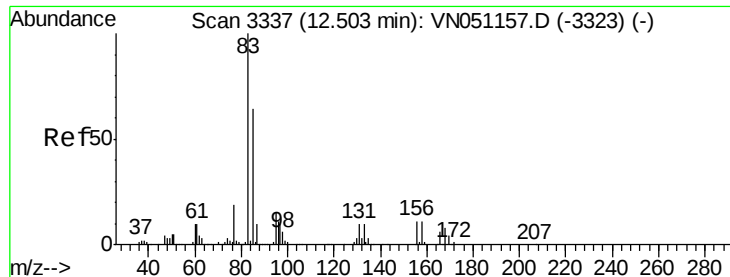
43 100

70 45.8 37.0 55.4

55 29.3 21.3 31.9

61 24.5 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 17.85 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051241.D

Acq: 15 Sep 2018 23:41

Instrument :

MSVOA_N

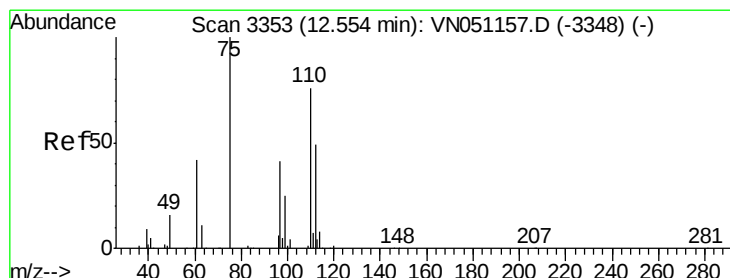
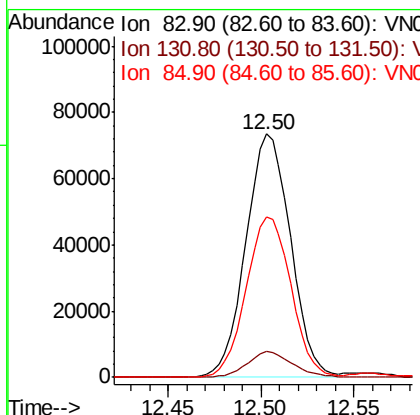
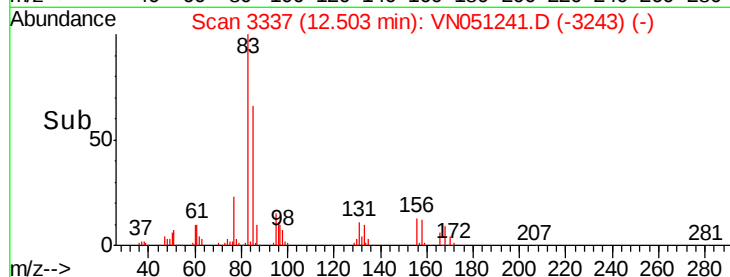
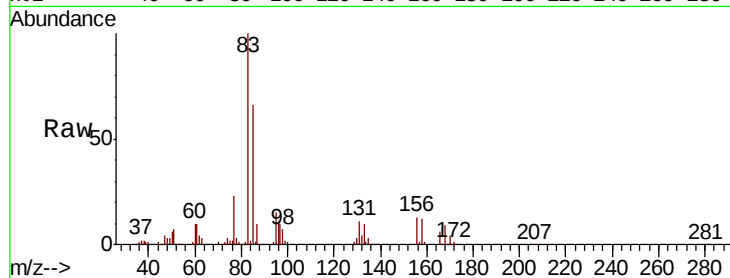
ClientSampleId :

VN0915WBS02

Tot Ion:	83	Resp:	123232
Ion Ratio		Lower	Upper
83	100		
131	10.6	5.3	16.1
85	66.1	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 17.00 ug/l m

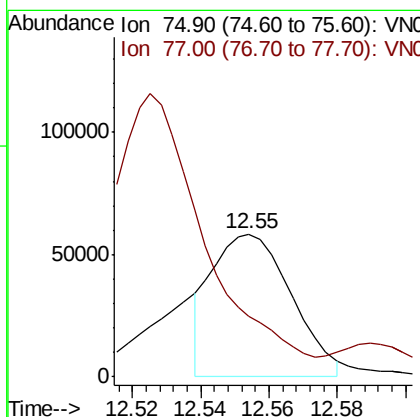
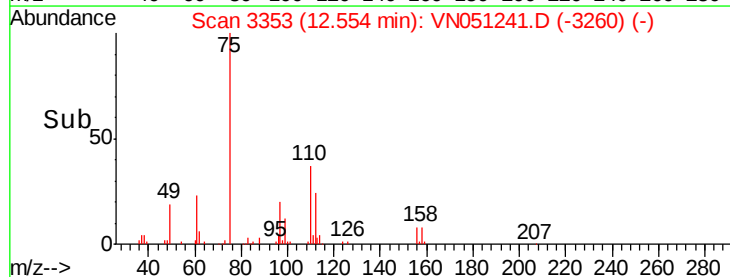
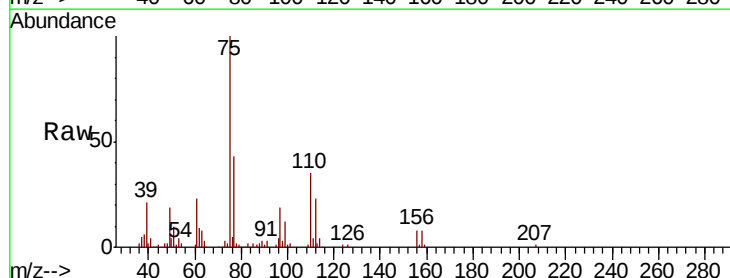
RT: 12.55 min Scan# 3353

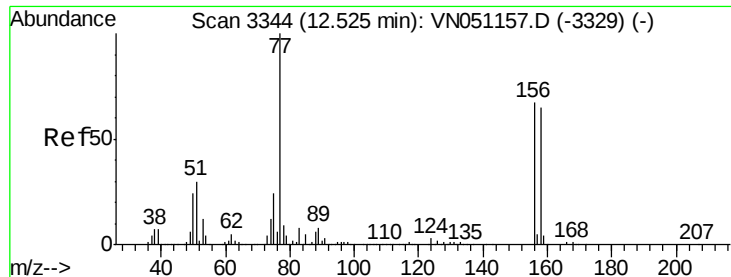
Delta R.T. 0.00 min

Lab File: VN051241.D

Acq: 15 Sep 2018 23:41

Tgt Ion:	75	Resp:	94614
Ion Ratio		Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.62 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051241.D

Acq: 15 Sep 2018 23:41

Instrument :

MSVOA_N

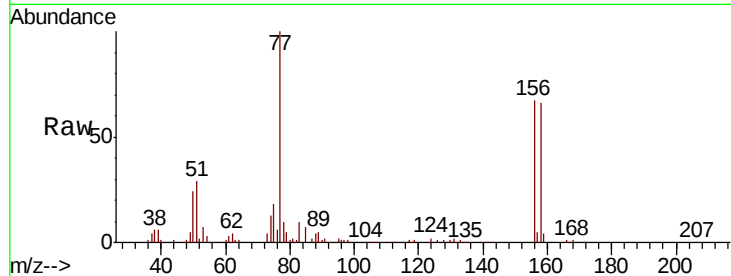
ClientSampleId :

VN0915WBS02

Tot Ion:	156	Resp:	134718
Ion Ratio	Lower	Upper	
156	100		
77	171.7	87.5	262.6
158	97.9	49.0	147.2

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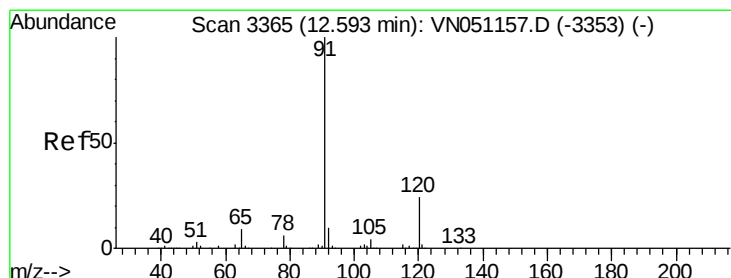
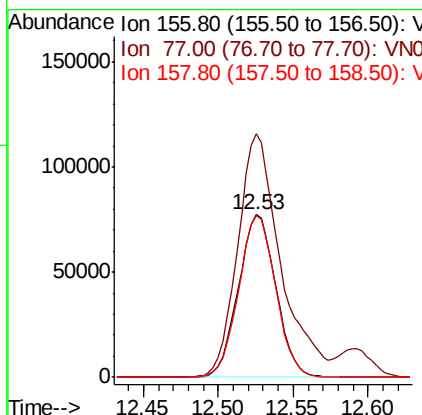
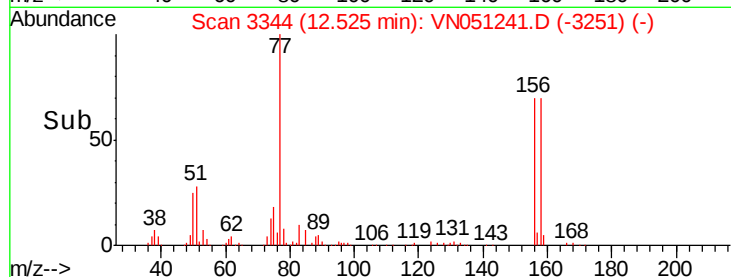
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.06 ug/l

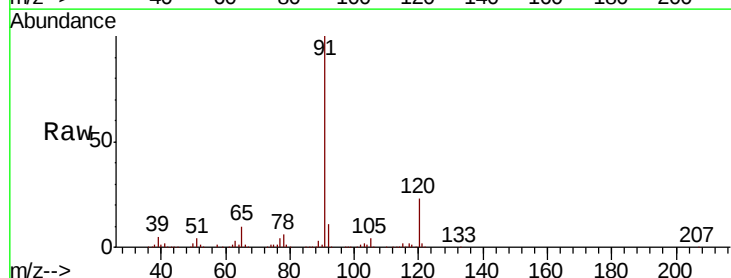
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051241.D

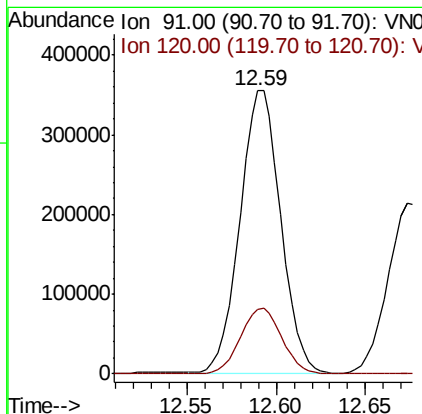
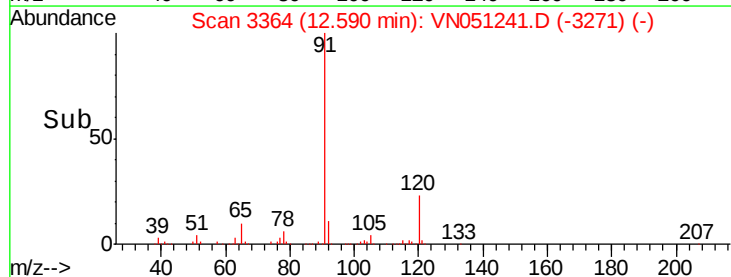
Acq: 15 Sep 2018 23:41

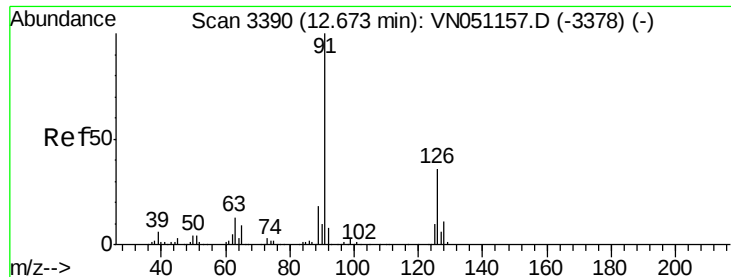
Tgt Ion:	91	Resp:	565088
Ion Ratio	Lower	Upper	
91	100		
120	23.6	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.34 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051241.D

Acq: 15 Sep 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBS02

Tot Ion: 91 Resp: 358496

Ion Ratio Lower Upper

91 100

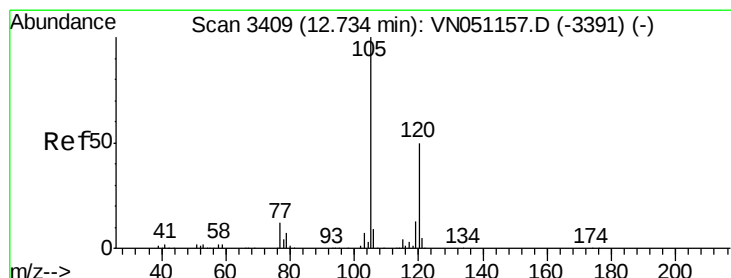
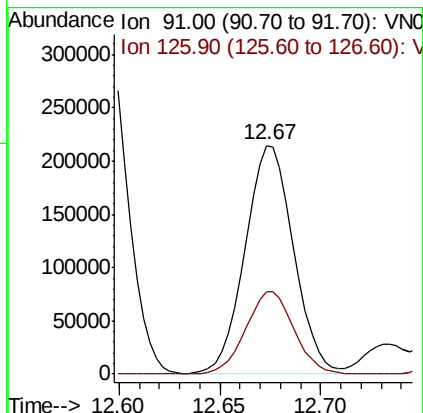
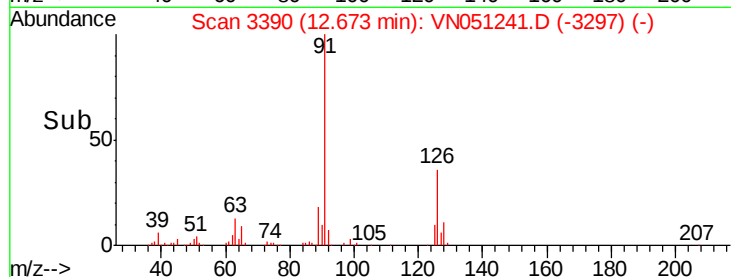
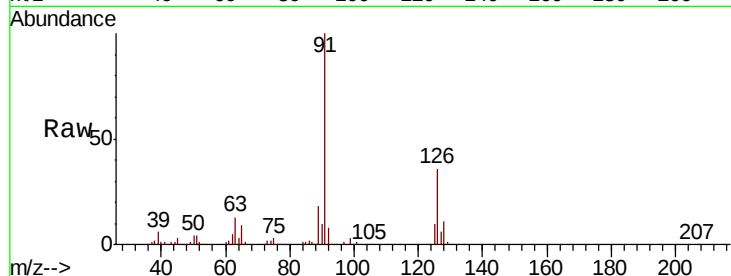
126 36.1 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.95 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051241.D

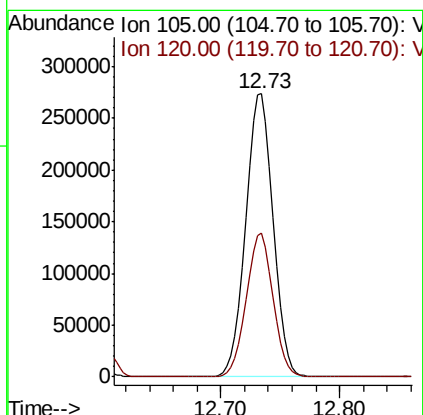
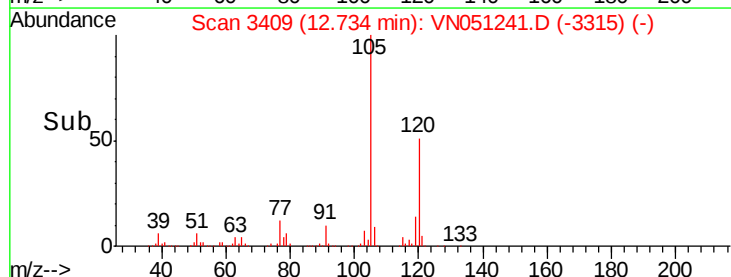
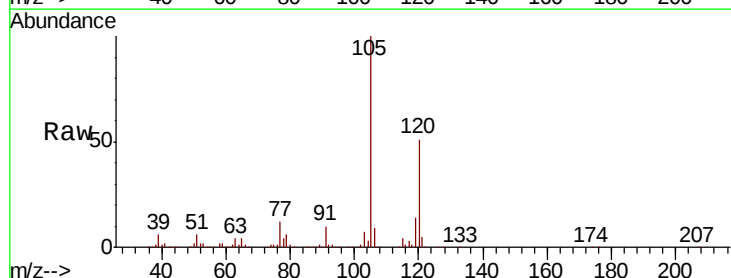
Acq: 15 Sep 2018 23:41

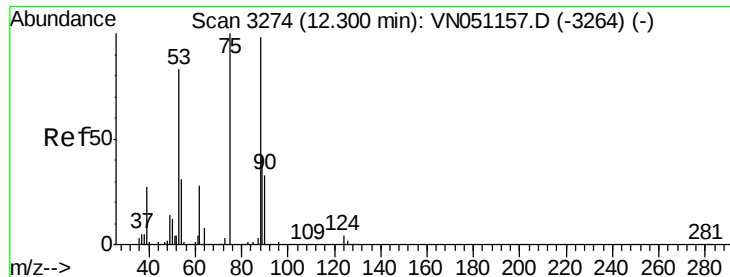
Tgt Ion: 105 Resp: 435929

Ion Ratio Lower Upper

105 100

120 49.6 24.9 74.6





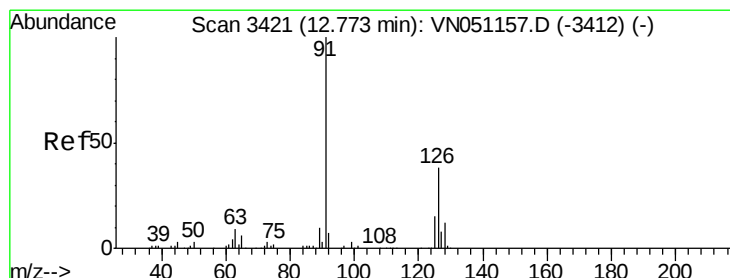
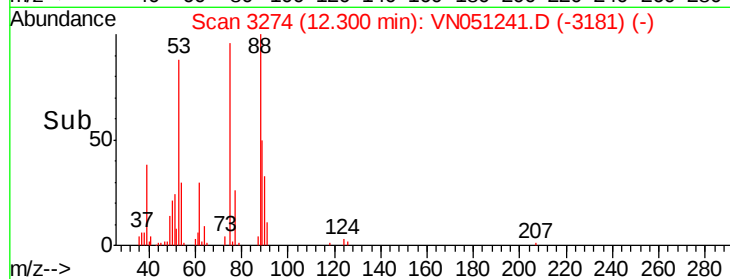
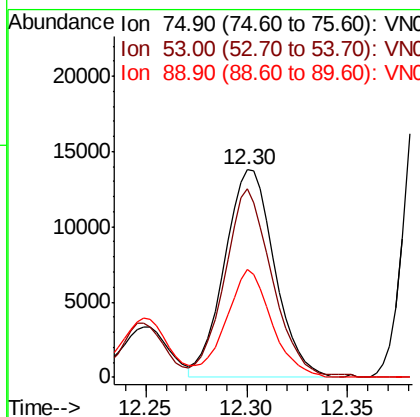
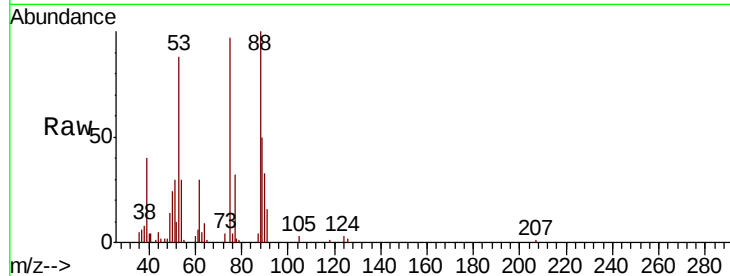
#81
trans-1,4-Dichloro-2-butene
Concen: 13.39 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.7	67.8	101.8
89	46.9	36.0	54.0

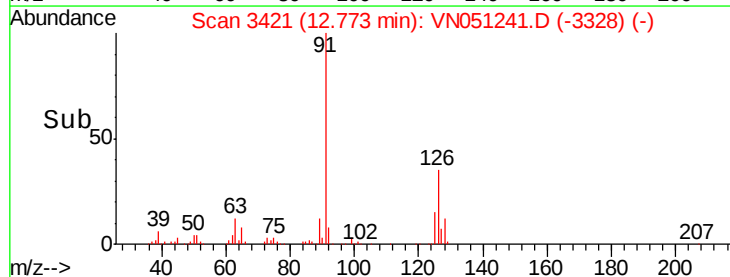
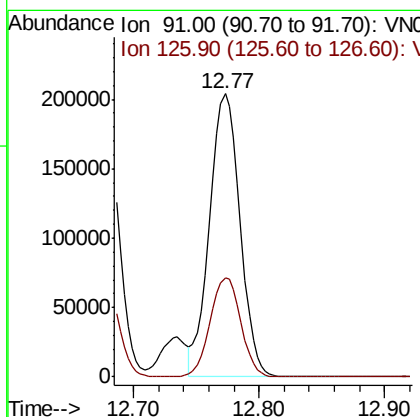
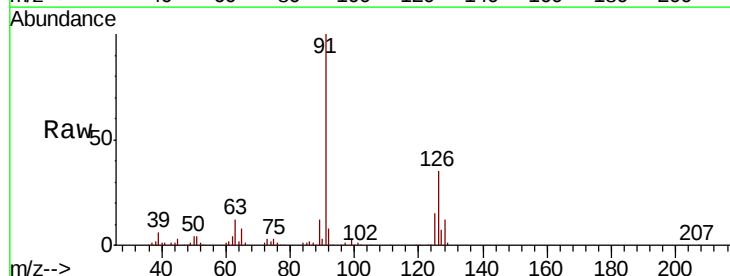
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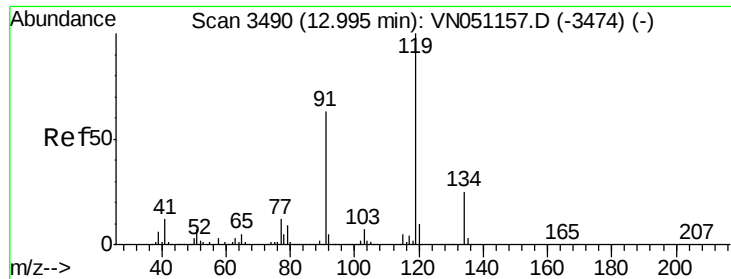
MMDadoda
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#82
4-Chlorotoluene
Concen: 17.76 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.6	52.8





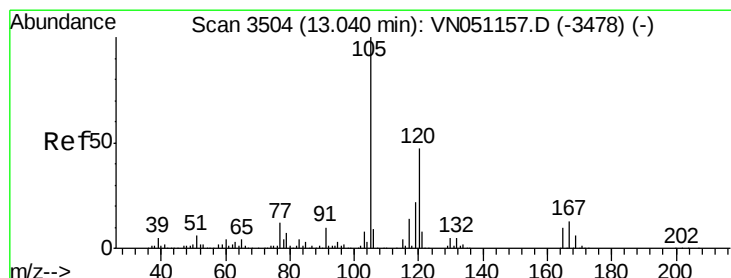
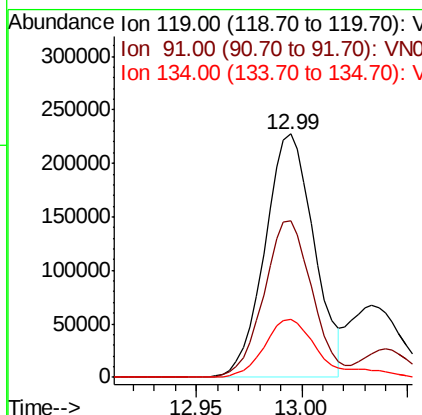
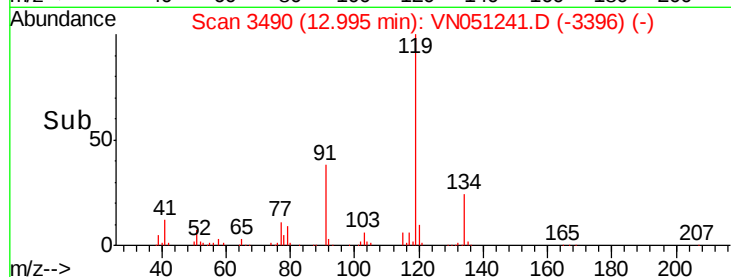
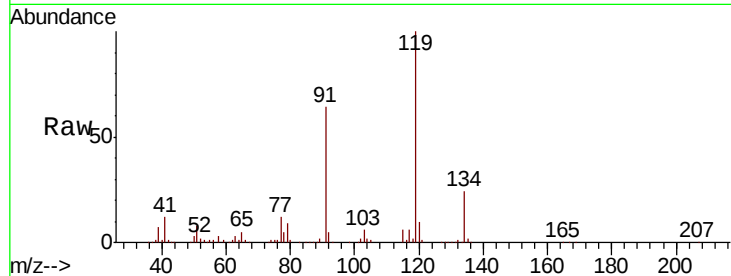
#83
 tert-Butylbenzene
 Concen: 18.14 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051241.D
 Acq: 15 Sep 2018 23:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	368372		
91	62.9		30.8	92.3
134	26.9		13.2	39.6

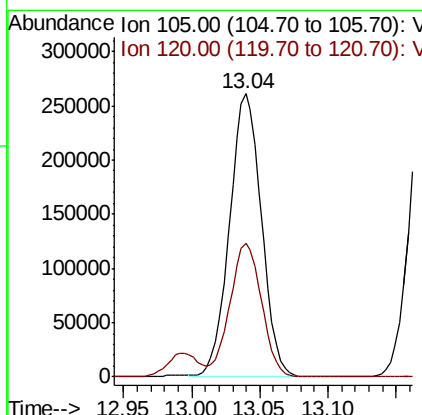
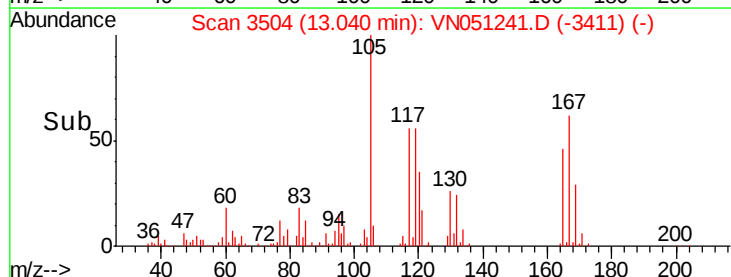
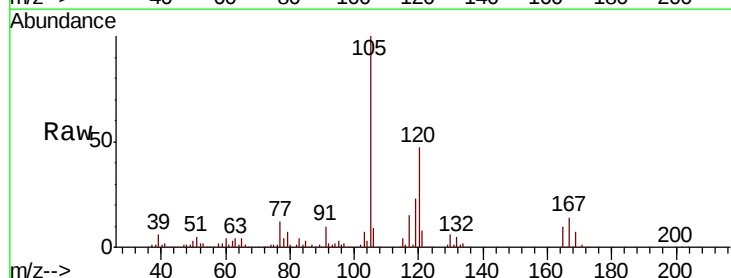
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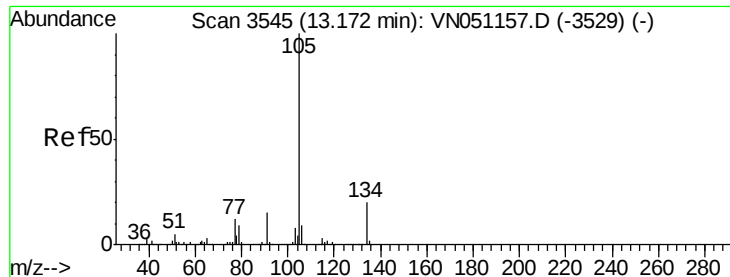
MMDadoda
 9/18/2018 4:32:00 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.69 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051241.D
 Acq: 15 Sep 2018 23:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	422770		
120	47.2		23.3	69.8





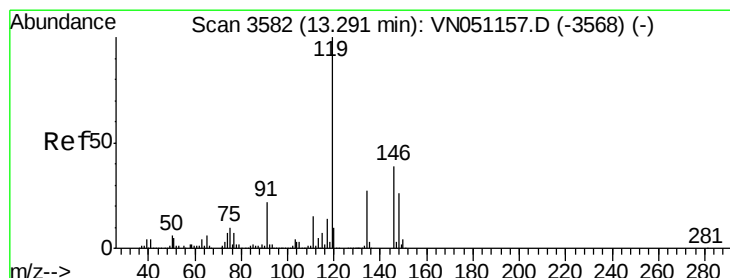
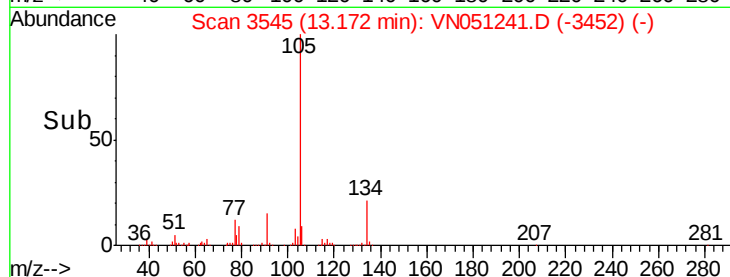
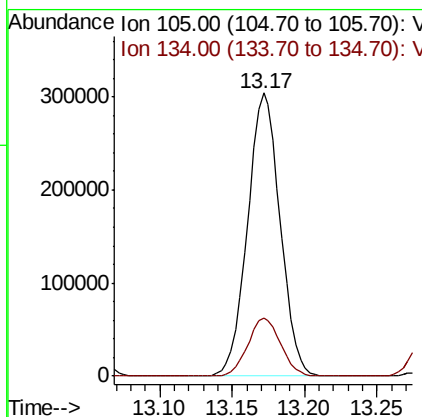
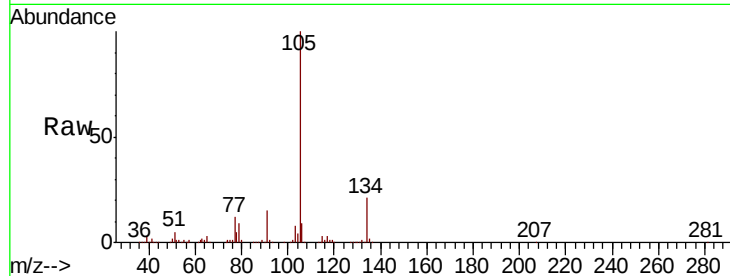
#85
 sec-Butylbenzene
 Concen: 18.25 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051241.D
 Acq: 15 Sep 2018 23:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.4	31.4

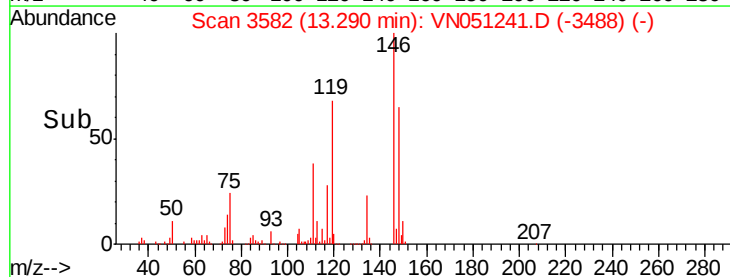
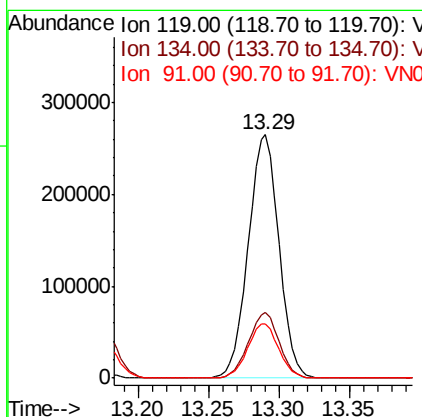
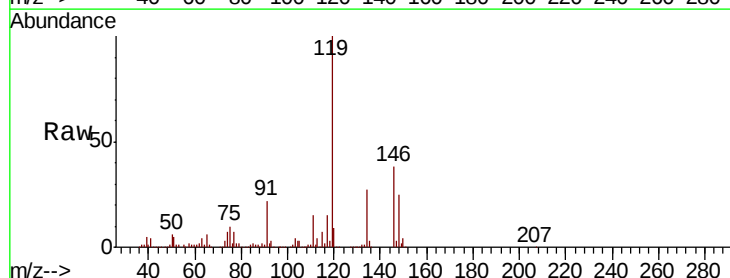
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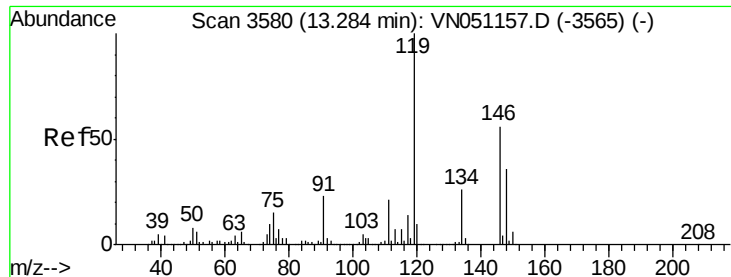
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 9/18/2018 4:32:00 PM



#86
 p-Isopropyltoluene
 Concen: 18.24 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051241.D
 Acq: 15 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.5	40.4
91	22.6	10.9	32.9





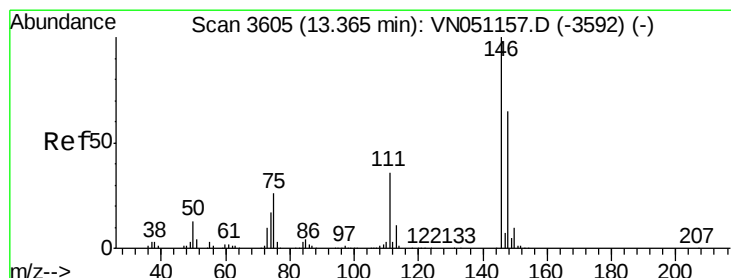
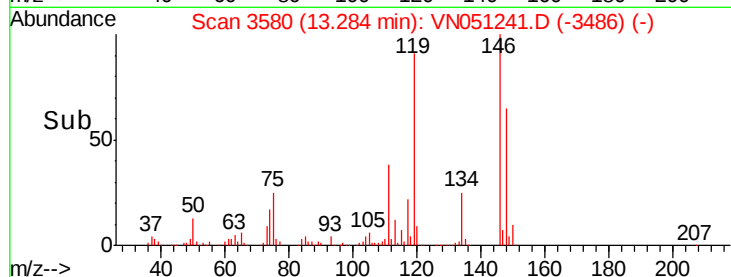
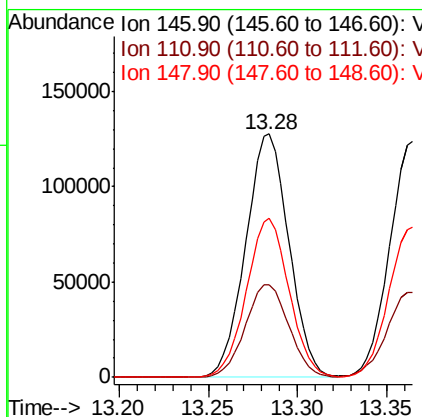
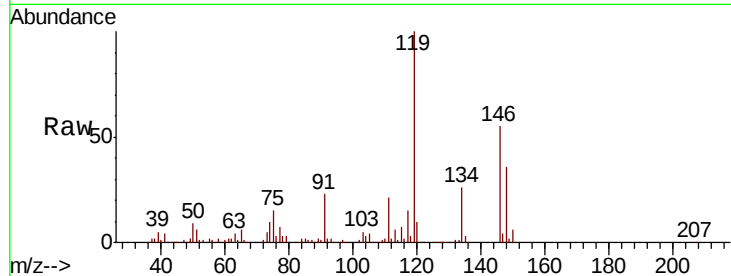
#87
 1,3-Dichlorobenzene
 Concen: 16.68 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051241.D
 Acq: 15 Sep 2018 23:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.1
148	64.5	32.2	96.6

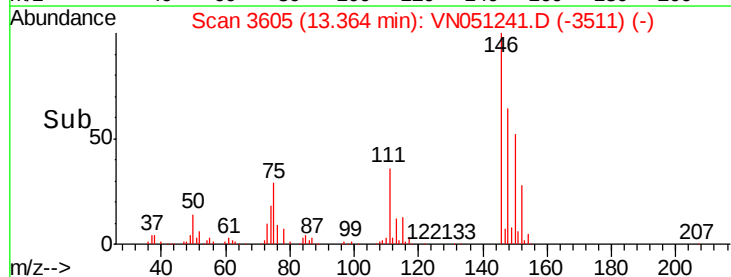
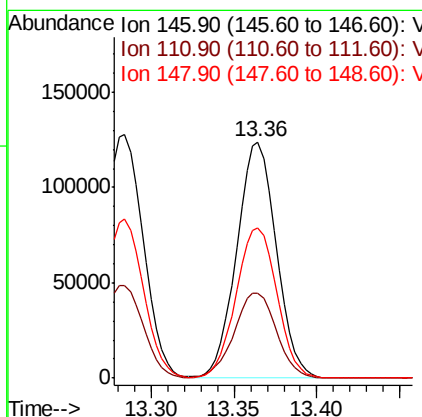
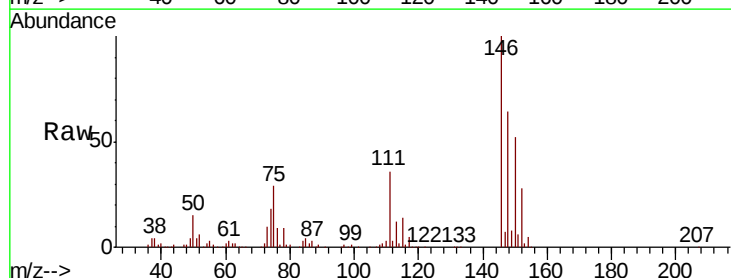
Manual Integrations
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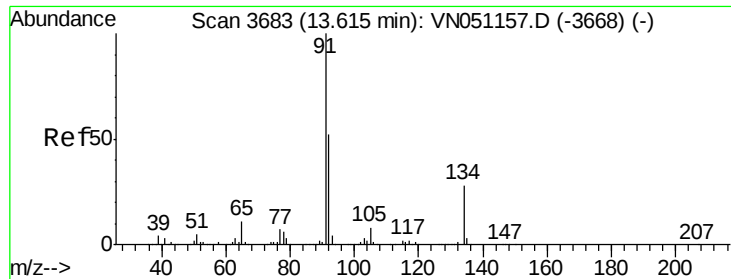
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#88
 1,4-Dichlorobenzene
 Concen: 17.35 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051241.D
 Acq: 15 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.4	55.0
148	65.7	32.2	96.6





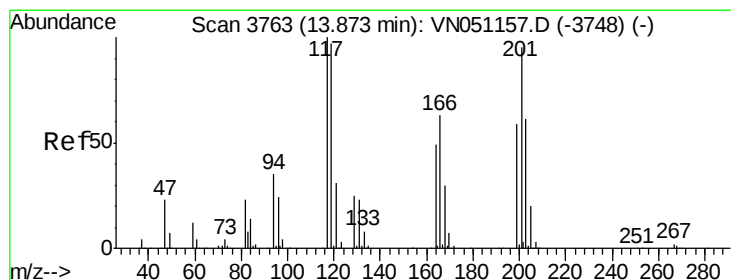
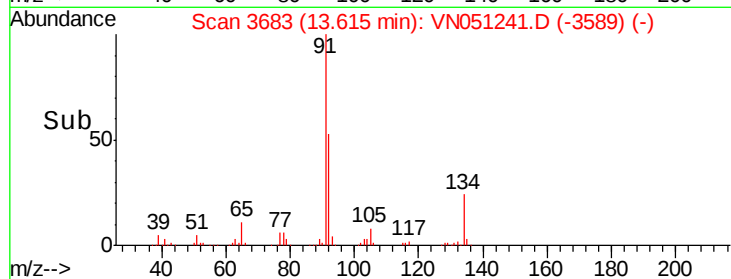
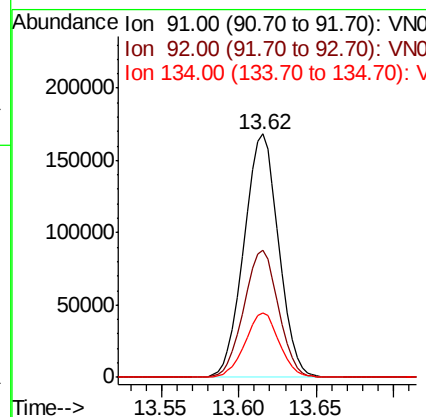
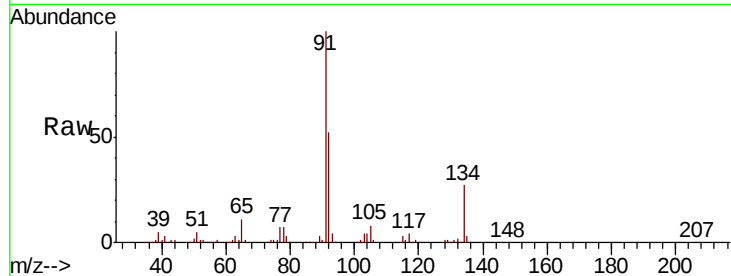
#89
n-Butylbenzene
Concen: 15.27 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.2	78.6
134	26.1	13.7	41.1

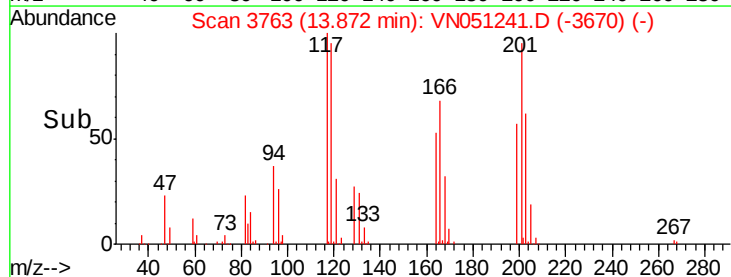
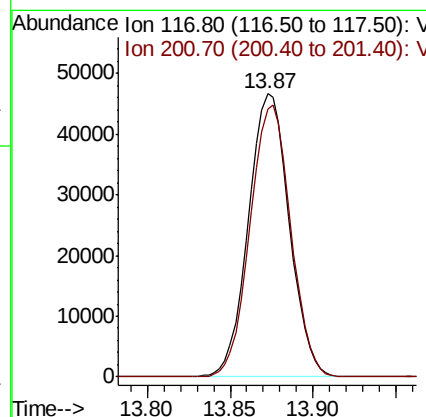
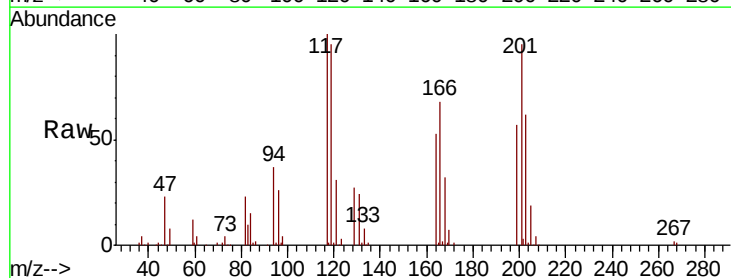
Manual Integrations
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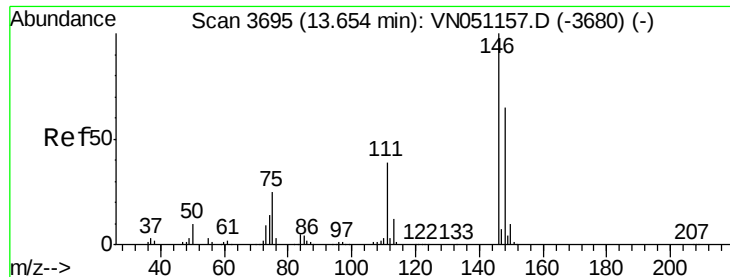
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9/18/2018 4:32:00 PM



#90
Hexachloroethane
Concen: 19.54 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN051241.D
Acq: 15 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.2	47.3	142.0





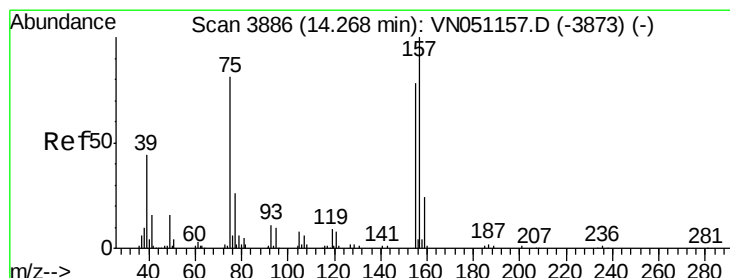
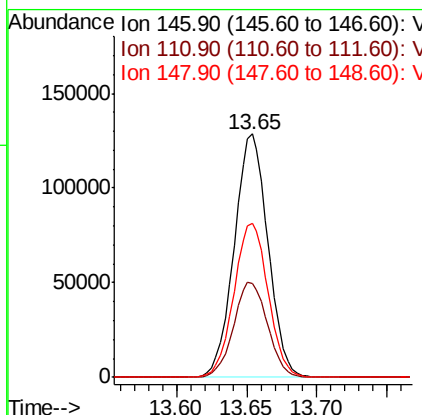
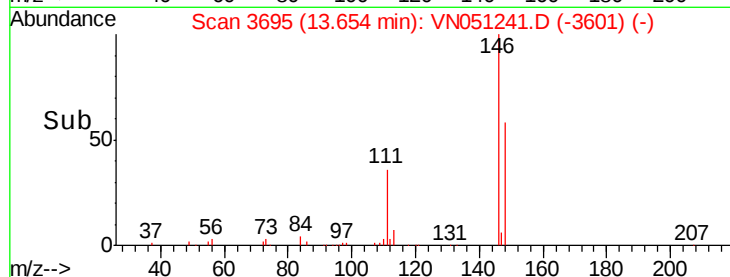
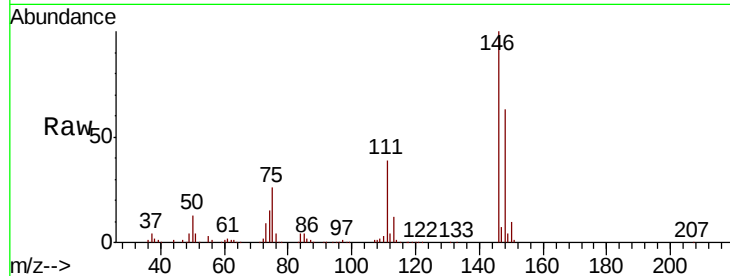
#91
 1,2-Dichlorobenzene
 Concen: 17.05 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051241.D
 Acq: 15 Sep 2018 23:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.7	59.0
148	64.2	32.1	96.3

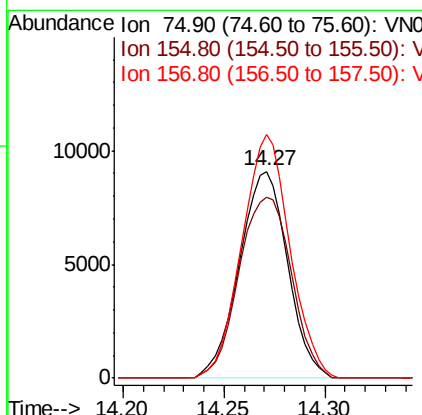
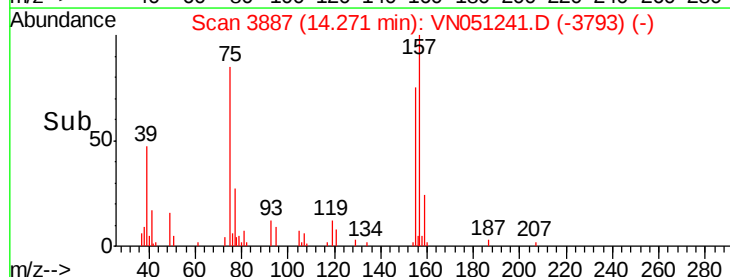
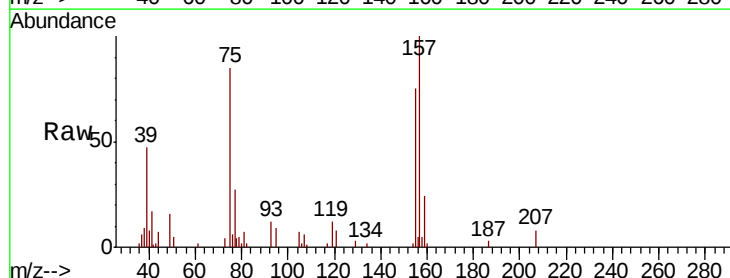
Manual Integrations
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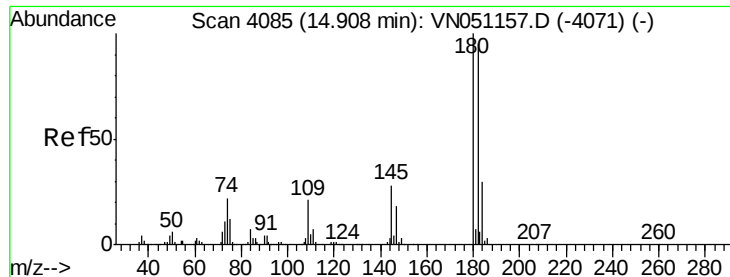
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.15 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051241.D
 Acq: 15 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.9	48.7	146.1
157	117.1	63.6	190.9





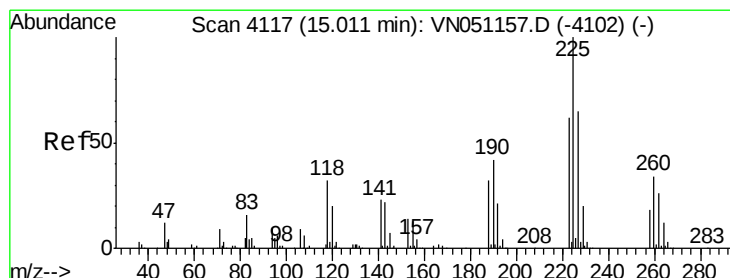
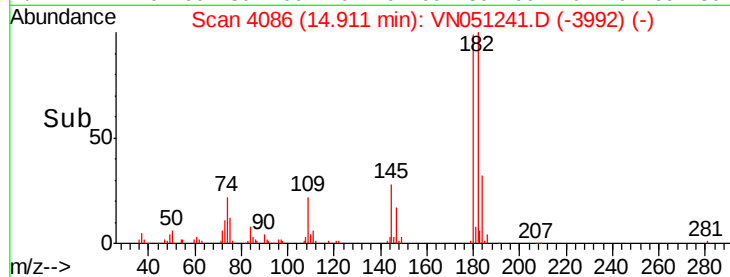
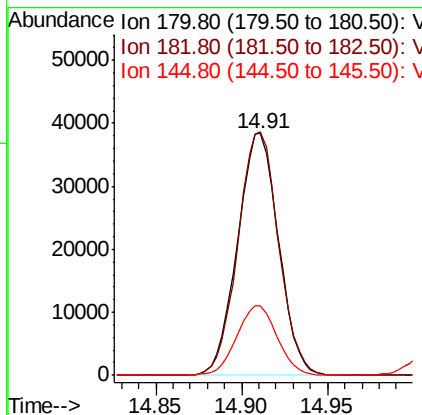
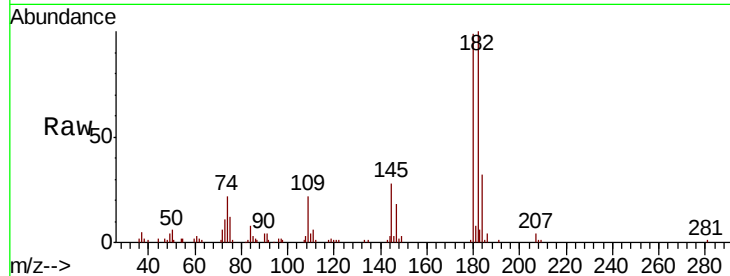
#93
 1,2,4-Trichlorobenzene
 Concen: 13.57 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051241.D
 Acq: 15 Sep 2018 23:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	63591		
182	99.4	47.3	141.8	
145	28.4	14.2	42.6	

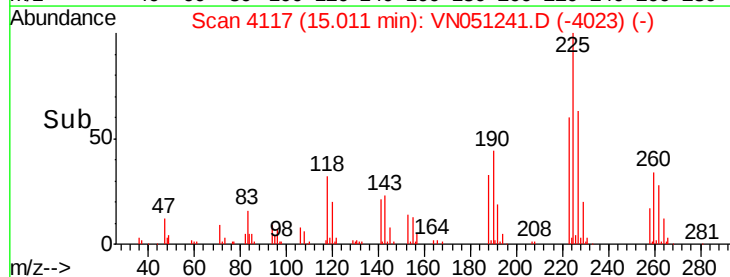
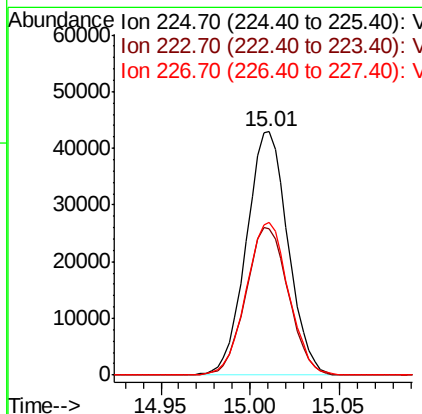
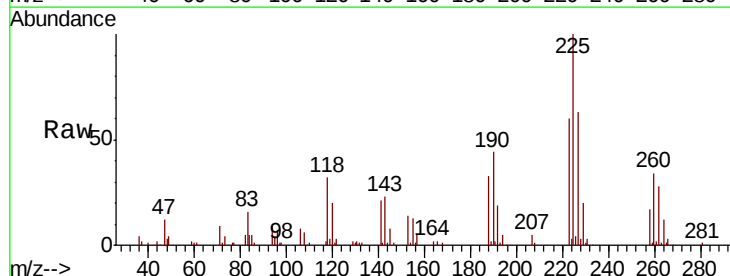
Manual Integrations
 APPROVED

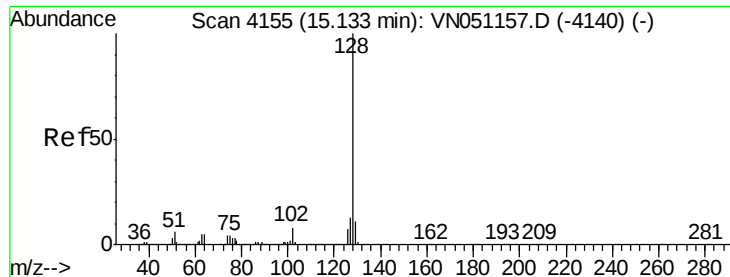
MMDadoda
 9/18/2018 4:32:00 PM



#94
 Hexachlorobutadiene
 Concen: 17.90 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051241.D
 Acq: 15 Sep 2018 23:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	70069		
223	61.8	31.4	94.0	
227	63.8	32.1	96.3	





#95

Naphthalene

Concen: 13.16 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051241.D

Acq: 15 Sep 2018 23:41

Instrument :

MSVOA_N

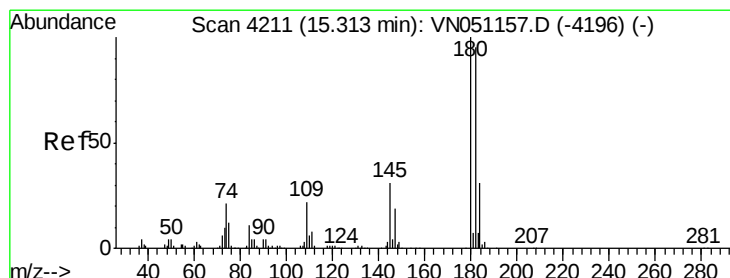
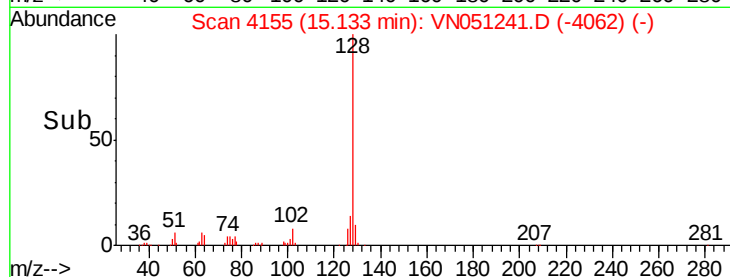
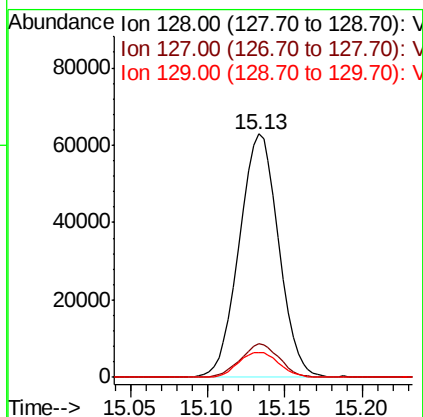
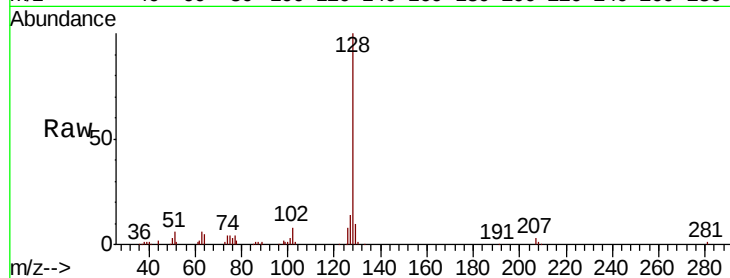
ClientSampleId :

VN0915WBS02

Tot Ion:	128	Resp:	111693
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	15.8
129	10.5	8.6	12.8

Manual Integrations
APPROVED

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9/18/2018 4:32:00 PM



#96

1,2,3-Trichlorobenzene

Concen: 14.21 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051241.D

Acq: 15 Sep 2018 23:41

Tgt Ion:	180	Resp:	69832
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.8	143.3
145	29.9	14.6	43.8

