

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091718\
 Data File : VN051266.D
 Acq On : 17 Sep 2018 11:11
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 4:57:49 PM

Quant Time: Sep 18 05:39:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	561513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	774643	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	669931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	306652	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	119608	19.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.48%	
35) Dibromofluoromethane	7.59	113	116870	19.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.84%	
50) Toluene-d8	10.09	98	433207	19.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.04%	
62) 4-Bromofluorobenzene	12.40	95	128741	17.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	109528	19.88	ug/l	99
3) Chloromethane	2.06	50	139059	17.93	ug/l	100
4) Vinyl Chloride	2.19	62	141351	18.90	ug/l	99
5) Bromomethane	2.57	94	79584	15.89	ug/l	99
6) Chloroethane	2.70	64	84361	18.32	ug/l	98
7) Trichlorofluoromethane	3.02	101	195979	19.66	ug/l	100
8) Diethyl Ether	3.41	74	63033	17.51	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	121205	18.97	ug/l	99
10) Methyl Iodide	3.95	142	94204	16.97	ug/l	99
11) Tert butyl alcohol	4.80	59	31341	67.63	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	109454	18.26	ug/l	98
13) Acrolein	3.61	56	47638	87.70	ug/l	99
14) Allyl chloride	4.33	41	158103	17.39	ug/l	100
15) Acrylonitrile	4.99	53	167445	80.06	ug/l	99
16) Acetone	3.82	43	132924	77.09	ug/l	100
17) Carbon Disulfide	4.05	76	332934	16.82	ug/l	100
18) Methyl Acetate	4.33	43	78858	15.88	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	262208	16.74	ug/l	100
20) Methylene Chloride	4.55	84	124766	18.02	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	115958	17.80	ug/l	99
22) Diisopropyl ether	5.95	45	336221	18.65	ug/l	96
23) Vinyl Acetate	5.90	43	1032127	85.02	ug/l	98
24) 1,1-Dichloroethane	5.85	63	210973	18.33	ug/l	99
25) 2-Butanone	6.84	43	179559	74.67	ug/l	100
26) 2,2-Dichloropropane	6.83	77	170540	18.11	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	128141	18.00	ug/l	99
28) Bromochloromethane	7.20	49	96152	19.06	ug/l	95
29) Tetrahydrofuran	7.21	42	115825	77.03	ug/l	99
30) Chloroform	7.37	83	216641	18.93	ug/l	99
31) Cyclohexane	7.66	56	184993	15.94	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	189020	19.29	ug/l	99
36) 1,1-Dichloropropene	7.79	75	163838	19.09	ug/l	99
37) Ethyl Acetate	6.93	43	83015	17.05	ug/l	99
38) Carbon Tetrachloride	7.77	117	170277	19.98	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	170045	18.00	ug/l	98
40) Benzene	8.04	78	492681	19.09	ug/l	98
41) Methacrylonitrile	7.18	41	43144	16.81	ug/l	96
42) 1,2-Dichloroethane	8.13	62	146298	19.43	ug/l	99
43) Isopropyl Acetate	8.17	43	144326	16.82	ug/l	99
44) Trichloroethene	8.84	130	133837	18.90	ug/l	97
45) 1,2-Dichloropropane	9.12	63	128854	19.36	ug/l	99
46) Dibromomethane	9.21	93	74839	18.40	ug/l	99
47) Bromodichloromethane	9.40	83	158835	19.12	ug/l	97
48) Methyl methacrylate	9.20	41	65688	15.68	ug/l	97
49) 1,4-Dioxane	9.20	88	19227	294.39	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	383657	80.94	ug/l	98
52) Toluene	10.16	92	297143	18.89	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	146089	17.71	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	180065	18.56	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	105309	18.50	ug/l	99
56) Ethyl methacrylate	10.43	69	110941	16.47	ug/l	99
57) 1,3-Dichloropropane	10.71	76	171351	18.18	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	247529	88.49	ug/l	100
59) 2-Hexanone	10.75	43	234441	73.27	ug/l	99
60) Dibromochloromethane	10.90	129	122430	18.91	ug/l	100
61) 1,2-Dibromoethane	11.01	107	100625	18.04	ug/l	100
64) Tetrachloroethene	10.63	164	123772	19.92	ug/l	97
65) Chlorobenzene	11.43	112	320134	18.82	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	123671	20.06	ug/l	99
67) Ethyl Benzene	11.51	91	519667	18.87	ug/l	100
68) m/p-Xylenes	11.62	106	415771	39.24	ug/l	100
69) o-Xylene	11.95	106	193555	18.86	ug/l	96
70) Styrene	11.96	104	303336	19.08	ug/l	99
71) Bromoform	12.13	173	81306	18.85	ug/l #	98
73) Isopropylbenzene	12.25	105	513765	19.90	ug/l	100
74) N-amyl acetate	12.07	43	93648	14.78	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	120093	17.60	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	103327m	18.84	ug/l	
77) Bromobenzene	12.53	156	131256	18.88	ug/l	99
78) n-propylbenzene	12.59	91	548523	19.33	ug/l	100
79) 2-Chlorotoluene	12.67	91	344062	19.40	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	418952	20.04	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	26379	16.57	ug/l	97
82) 4-Chlorotoluene	12.77	91	334439	19.03	ug/l	98
83) tert-Butylbenzene	12.99	119	361919	19.63	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	415334	20.22	ug/l	99
85) sec-Butylbenzene	13.17	105	461914	19.52	ug/l	100
86) p-Isopropyltoluene	13.29	119	400034	19.96	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	213502	18.15	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	202103	17.45	ug/l	98
89) n-Butylbenzene	13.62	91	265793	17.14	ug/l	100
90) Hexachloroethane	13.87	117	78849	19.13	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	209947	18.35	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14115	14.30	ug/l	98

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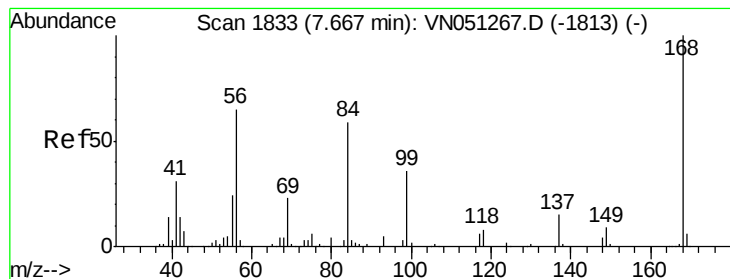
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	64411	13.31	ug/l	100
94) Hexachlorobutadiene	15.01	225	70719	17.45	ug/l	99
95) Naphthalene	15.13	128	106841	10.55	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	69667	13.84	ug/l	98

(#) = 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: VN051266.D

Acq: 17 Sep 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 561513

Ion Ratio Lower Upper

168 100

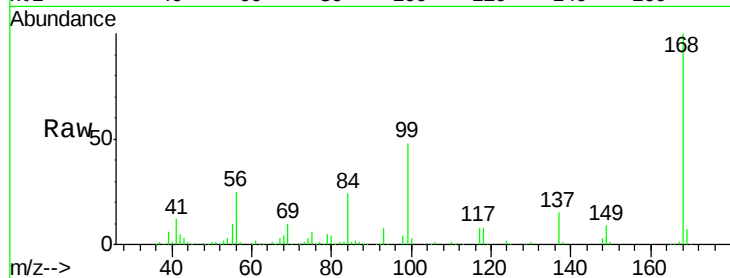
99 47.5 38.2 57.4

Manual Integrations

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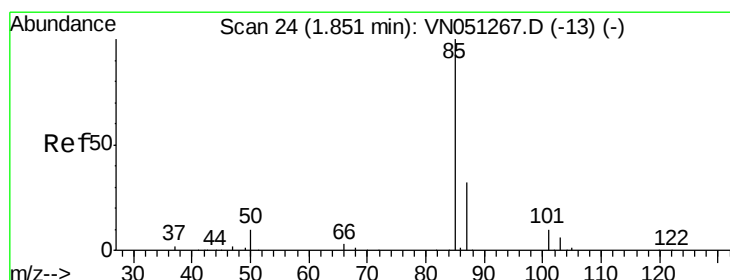
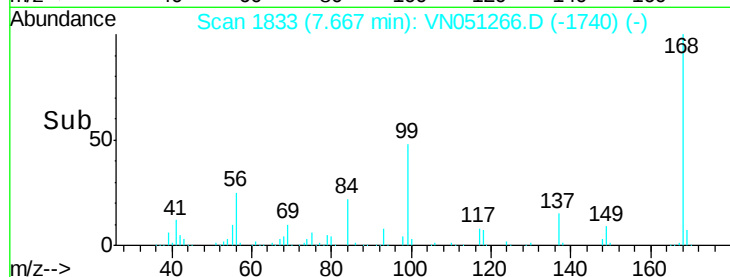
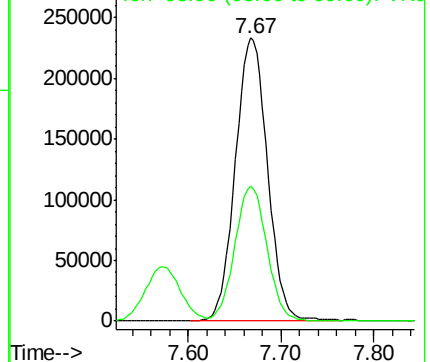
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.88 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051266.D

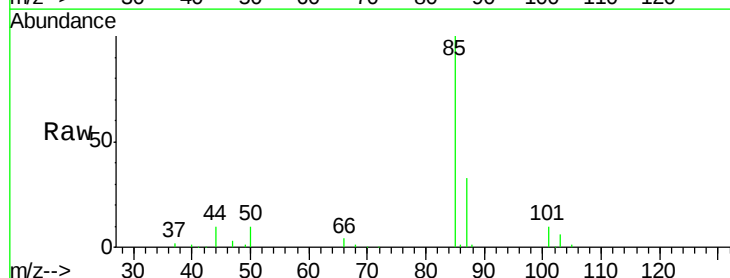
Acq: 17 Sep 2018 11:11

Tgt Ion: 85 Resp: 109528

Ion Ratio Lower Upper

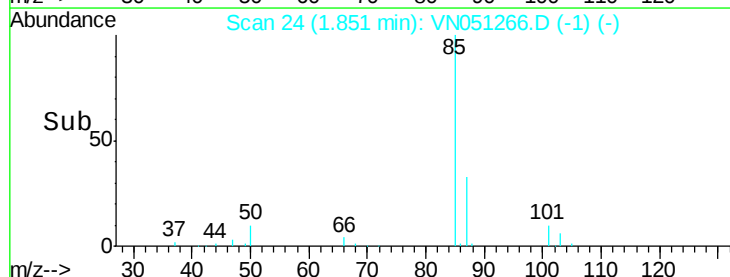
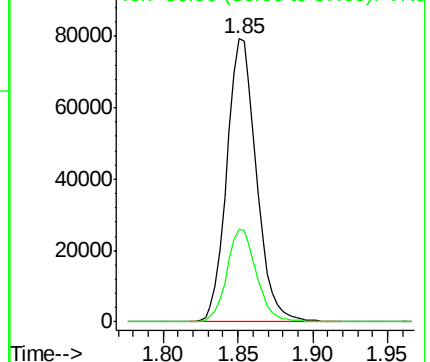
85 100

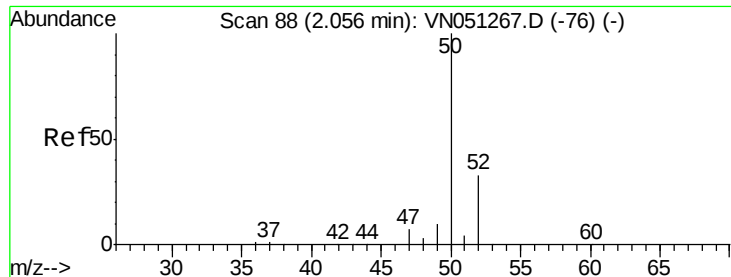
87 32.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 17.93 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051266.D

Acq: 17 Sep 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 139059

Ion Ratio Lower Upper

50 100

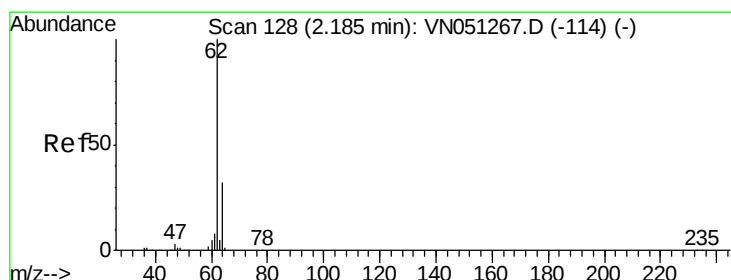
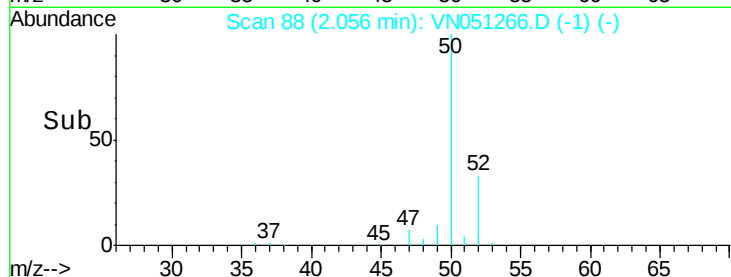
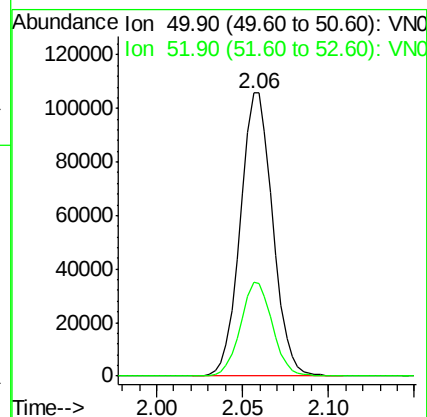
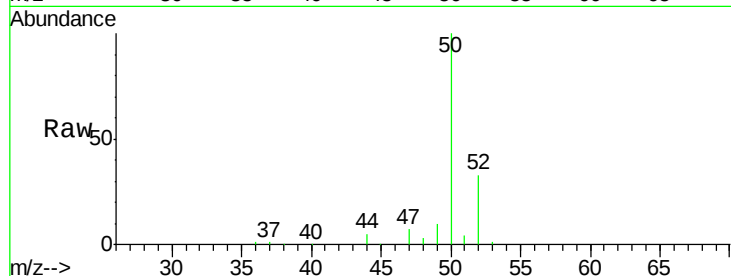
52 33.1 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.90 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051266.D

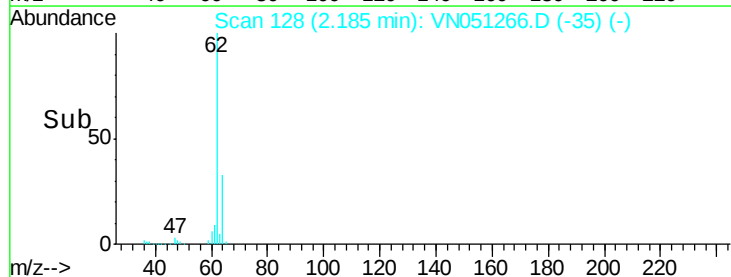
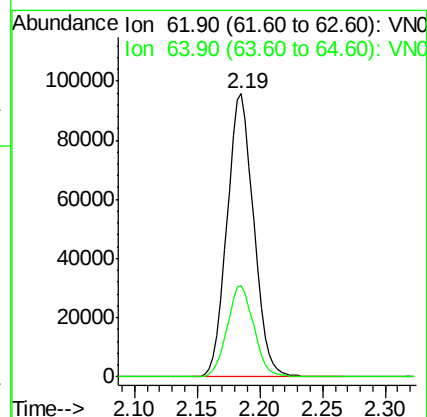
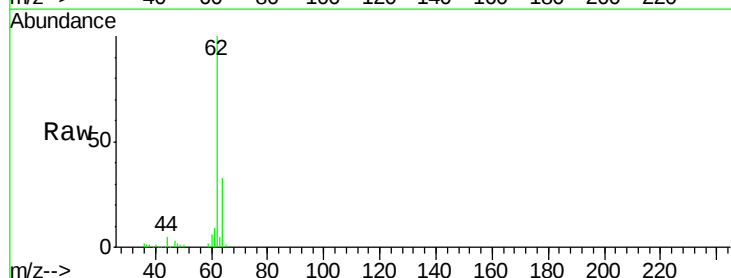
Acq: 17 Sep 2018 11:11

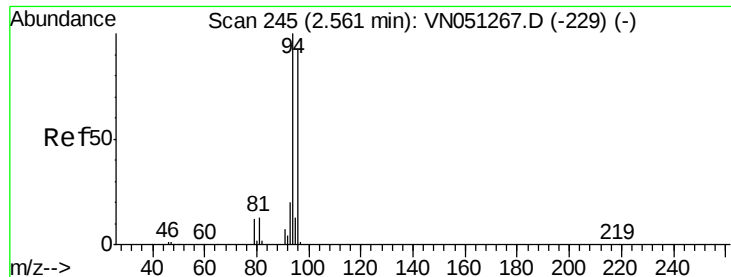
Tgt Ion: 62 Resp: 141351

Ion Ratio Lower Upper

62 100

64 32.5 25.8 38.6





#5

Bromomethane

Concen: 15.89 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN051266.D

Acq: 17 Sep 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 79584

Ion Ratio Lower Upper

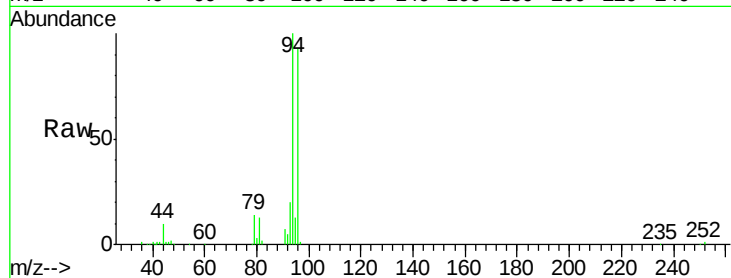
94 100

96 93.0 73.8 110.8

Manual Integrations
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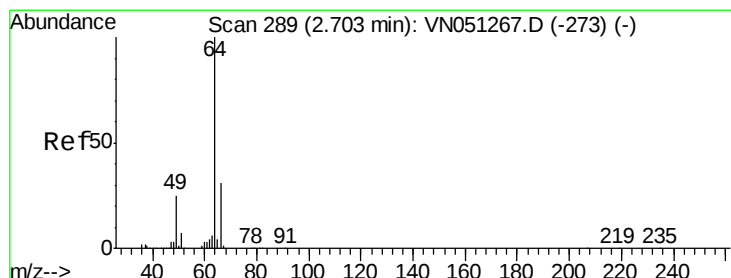
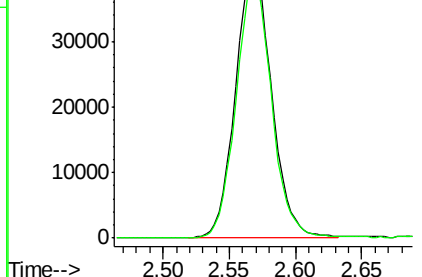
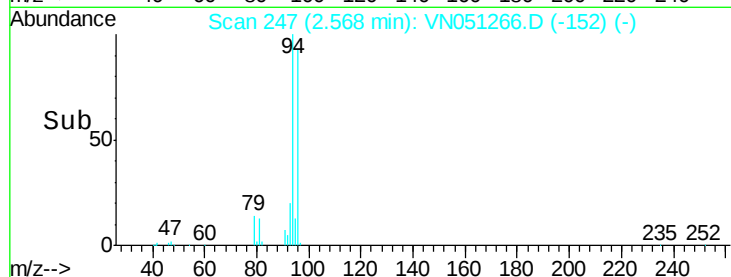


Abundance Ion 93.90 (93.60 to 94.60): VN051266.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VN051266.D (-152) (-)

2.57

Time-->



#6

Chloroethane

Concen: 18.32 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051266.D

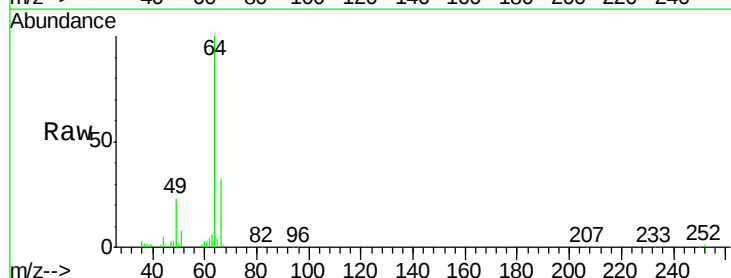
Acq: 17 Sep 2018 11:11

Tgt Ion: 64 Resp: 84361

Ion Ratio Lower Upper

64 100

66 32.0 24.9 37.3

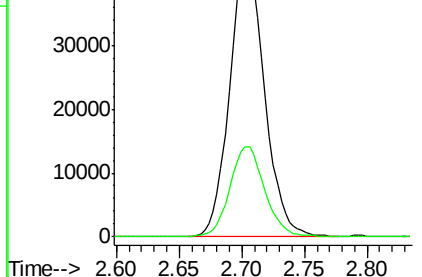
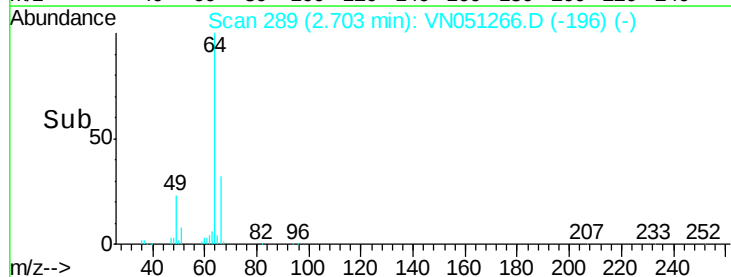


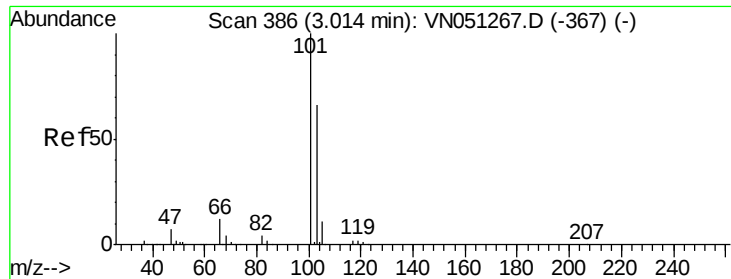
Abundance Ion 63.90 (63.60 to 64.60): VN051266.D (-196) (-)

Ion 65.90 (65.60 to 66.60): VN051266.D (-196) (-)

2.70

Time-->





#7

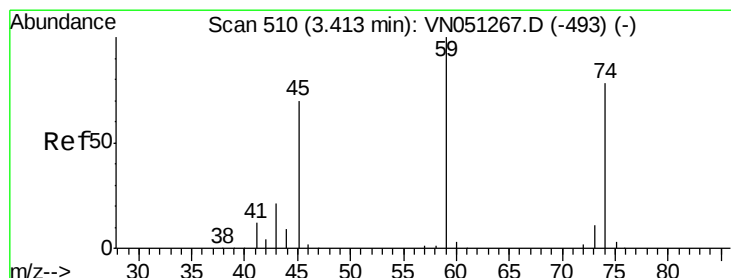
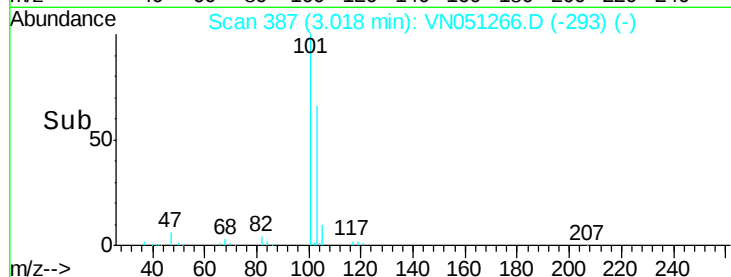
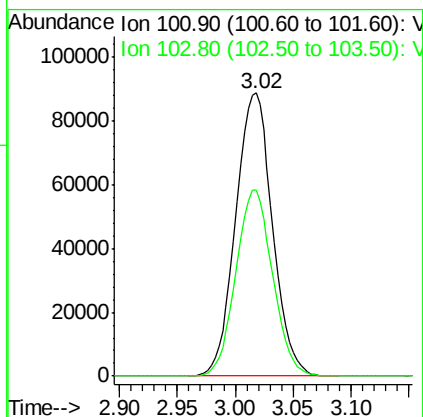
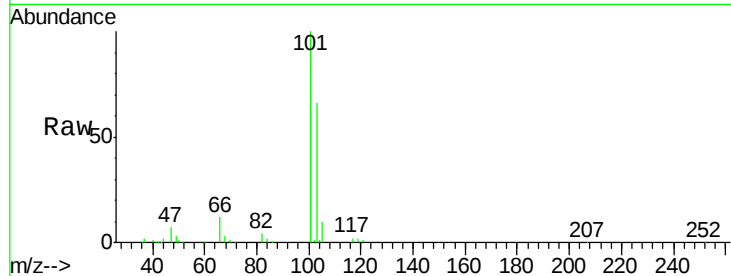
Trichlorofluoromethane
 Concen: 19.66 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN051266.D
 Acq: 17 Sep 2018 11:11

Instrument :
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 VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		195979		
103	65.8	52.7	79.1		

Manual Integrations
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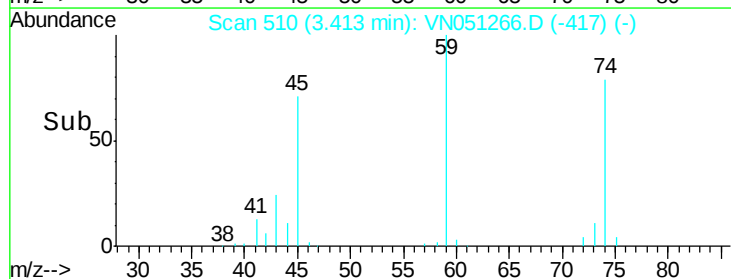
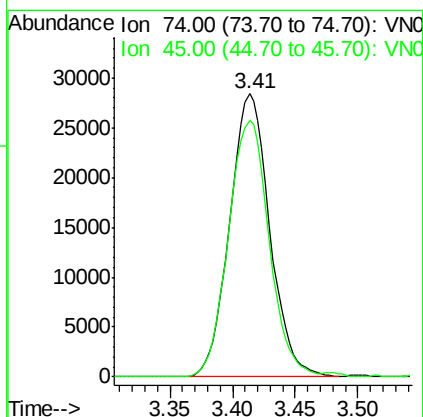
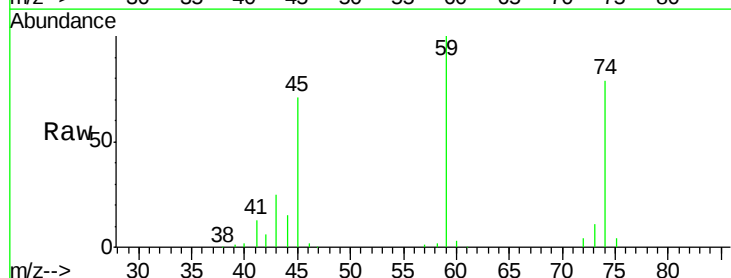
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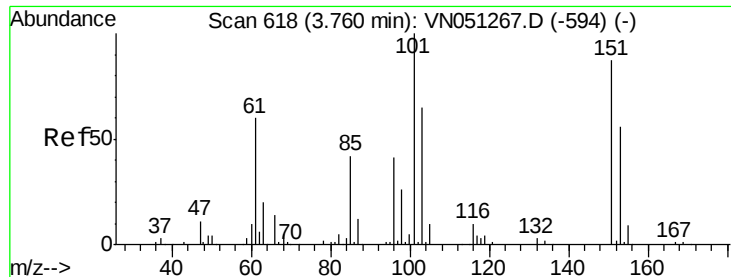


#8

Diethyl Ether
 Concen: 17.51 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051266.D
 Acq: 17 Sep 2018 11:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		63033		
45	92.5	46.4	139.2		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.97 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051266.D

Acq: 17 Sep 2018 11:11

Instrument :

MSVOA_N

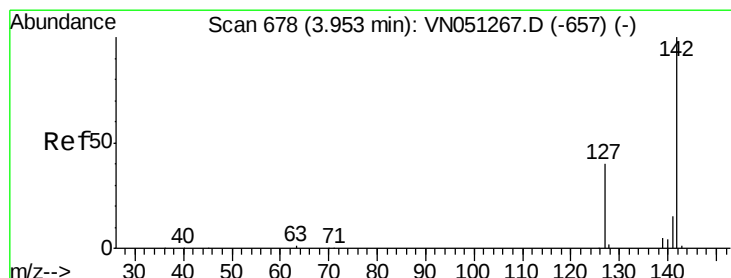
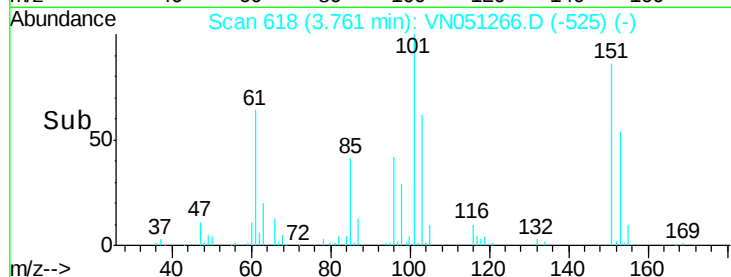
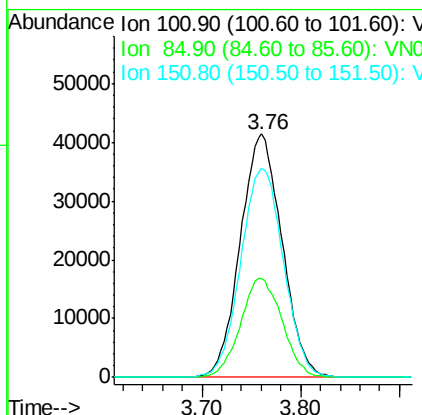
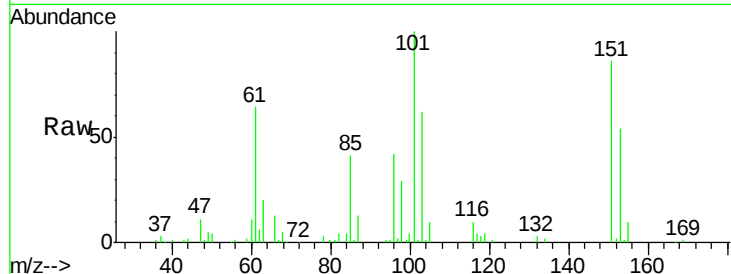
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	121205
Ion Ratio	Lower	Upper	
101	100		
85	40.4	33.0	49.6
151	87.9	69.8	104.8

Manual Integrations
APPROVED

MMDadoda
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#10

Methyl Iodide

Concen: 16.97 ug/l

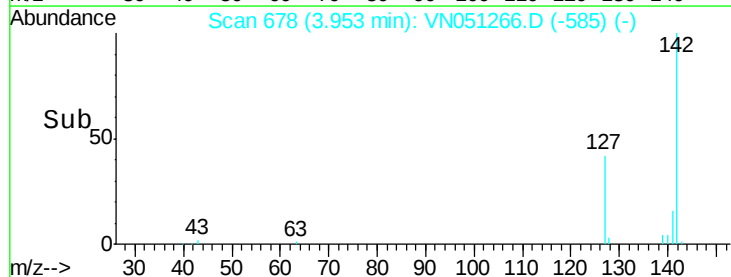
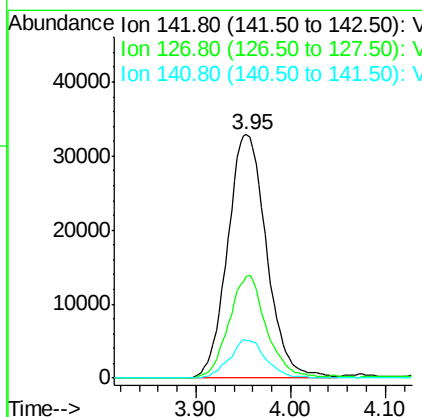
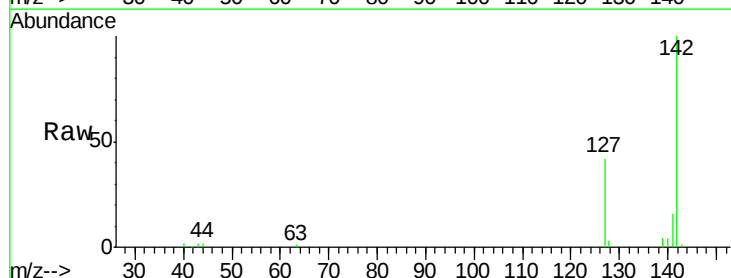
RT: 3.95 min Scan# 678

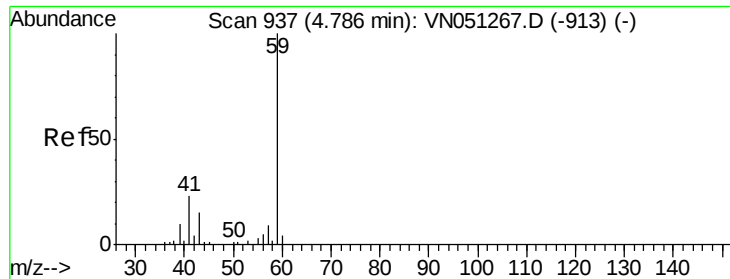
Delta R.T. 0.00 min

Lab File: VN051266.D

Acq: 17 Sep 2018 11:11

Tgt Ion:	142	Resp:	94204
Ion Ratio	Lower	Upper	
142	100		
127	40.5	31.7	47.5
141	14.6	11.6	17.4





#11

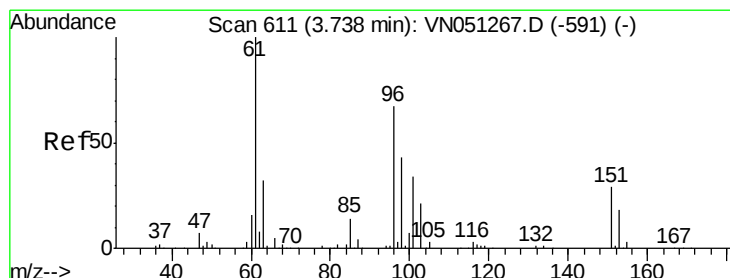
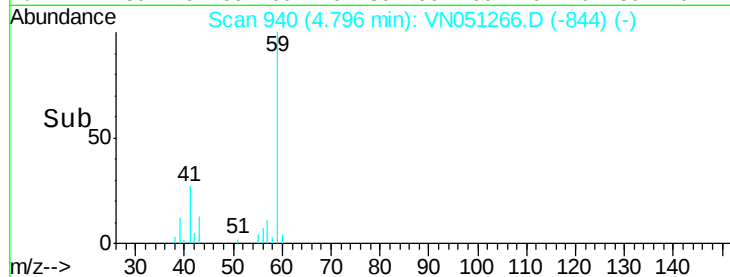
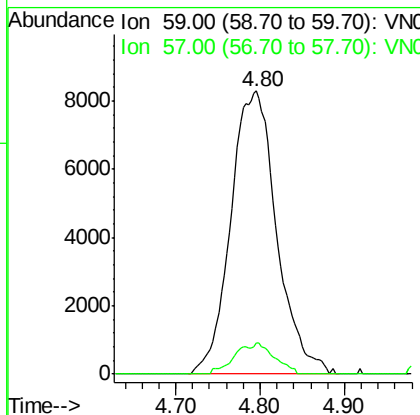
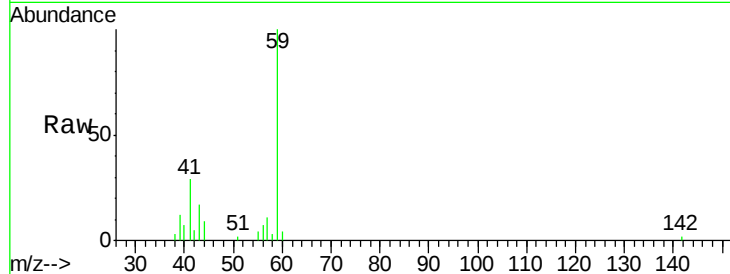
Tert butyl alcohol
 Concen: 67.63 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. 0.01 min
 Lab File: VN051266.D
 Acq: 17 Sep 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.9	11.9#

Manual Integrations
 APPROVED

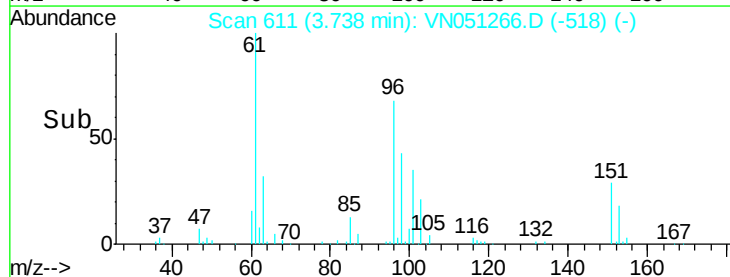
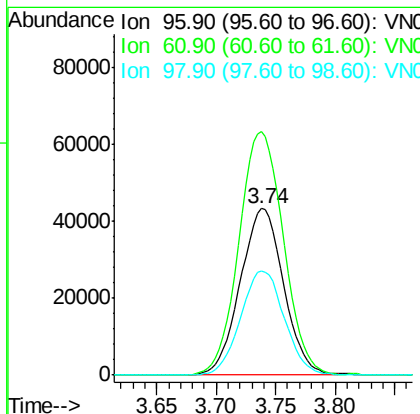
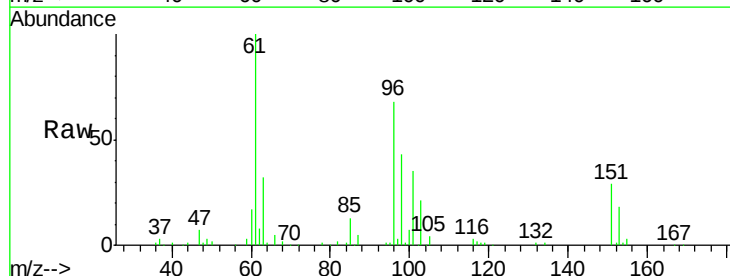
MMDadoda
 9/19/2018 4:57:49 PM

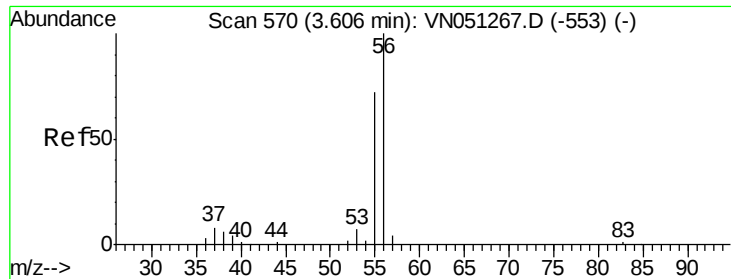


#12

1,1-Dichloroethene
 Concen: 18.26 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051266.D
 Acq: 17 Sep 2018 11:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.0	119.3	178.9
98	62.8	51.8	77.6





#13

Acrolein

Concen: 87.70 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN051266.D

Acq: 17 Sep 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 47638

Ion Ratio Lower Upper

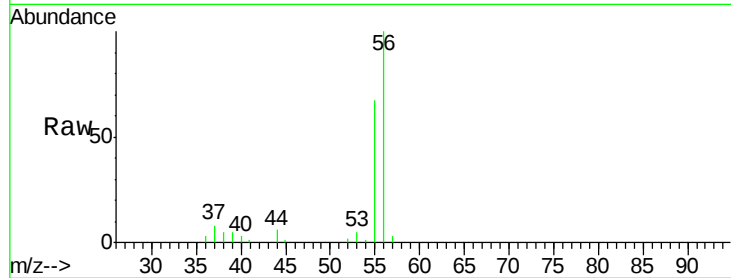
56 100

55 71.4 56.4 84.6

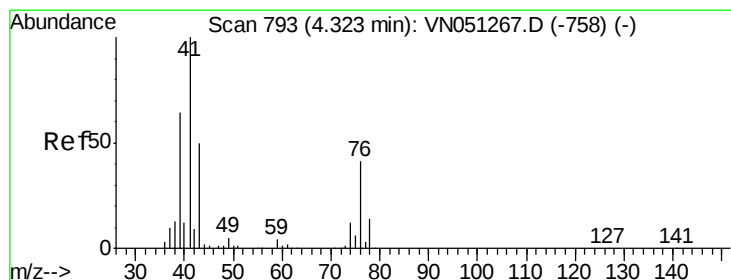
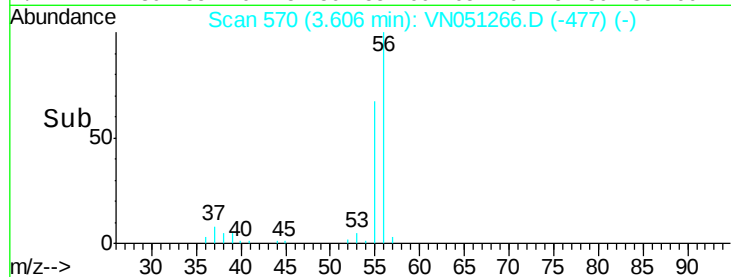
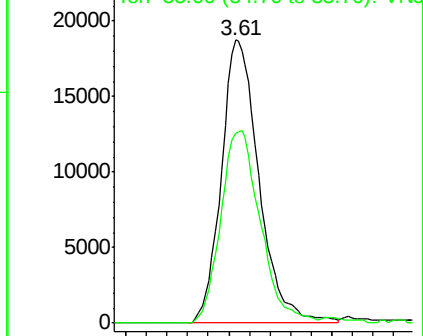
Manual Integrations
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MMDadoda

9/19/2018 4:57:49 PM



Abundance Ion 56.00 (55.70 to 56.70): VN051266.D (-477) (-)



#14

Allyl chloride

Concen: 17.39 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051266.D

Acq: 17 Sep 2018 11:11

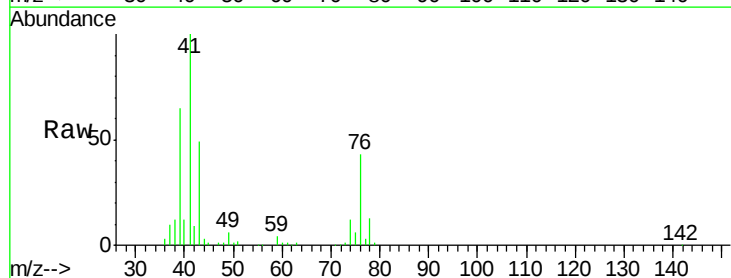
Tgt Ion: 41 Resp: 158103

Ion Ratio Lower Upper

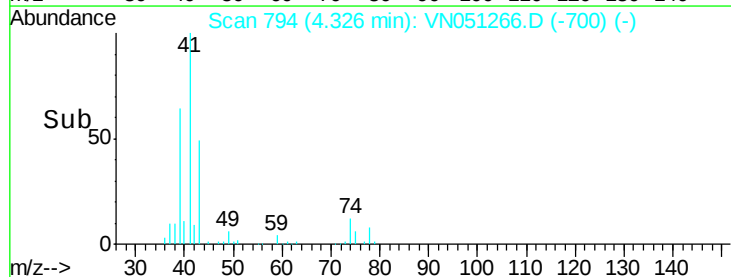
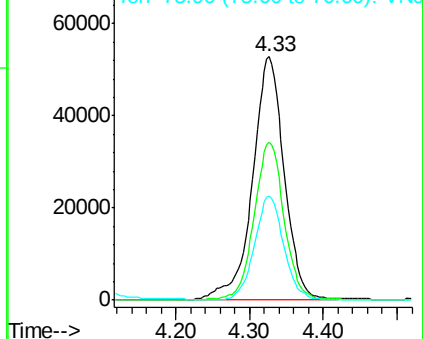
41 100

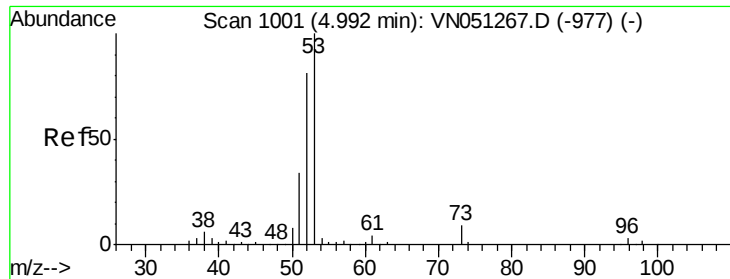
39 61.2 49.0 73.4

76 39.3 31.4 47.0



Abundance Ion 41.00 (40.70 to 41.70): VN051266.D (-700) (-)





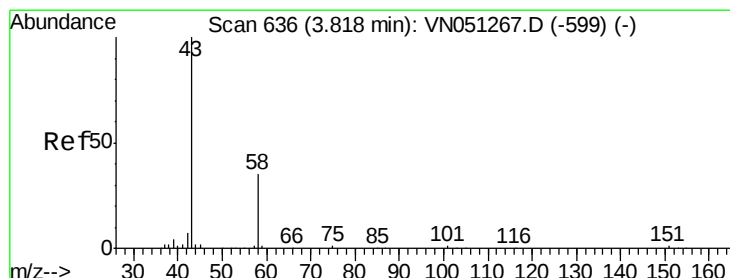
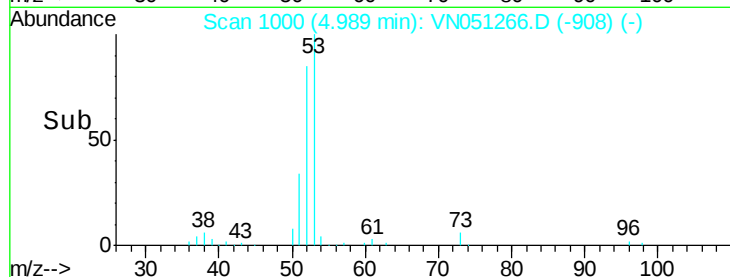
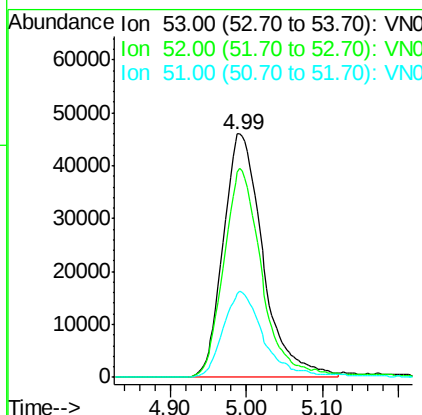
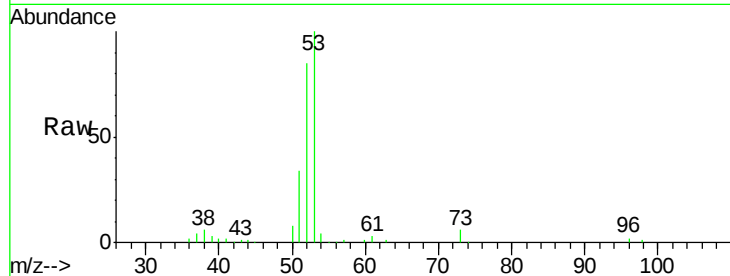
#15
 Acrylonitrile
 Concen: 80.06 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VN051266.D
 Acq: 17 Sep 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	53	Resp	167445
Ion Ratio	Lower	Upper	
53	100		
52	82.4	65.0	97.6
51	35.5	28.0	42.0

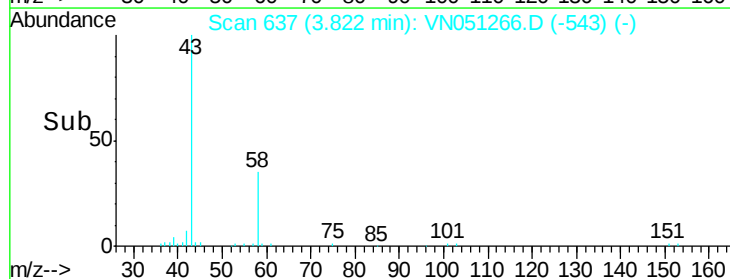
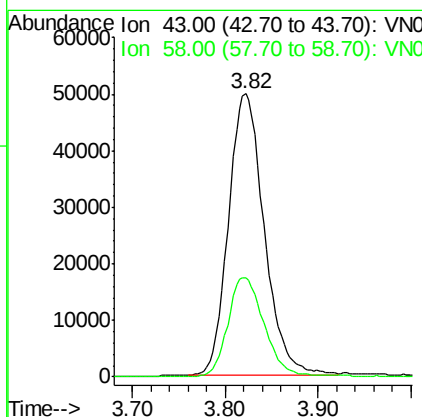
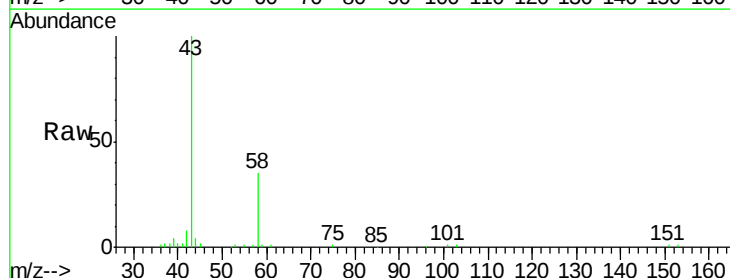
Manual Integrations
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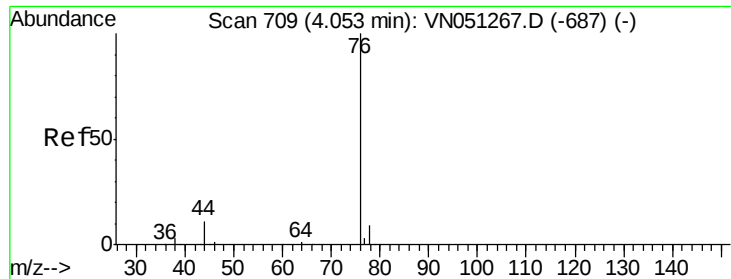
MMDadoda
 9/19/2018 4:57:49 PM



#16
 Acetone
 Concen: 77.09 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN051266.D
 Acq: 17 Sep 2018 11:11

Tgt Ion	43	Resp	132924
Ion Ratio	Lower	Upper	
43	100		
58	35.3	28.2	42.2





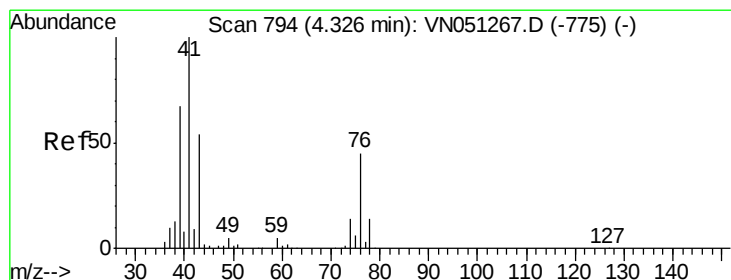
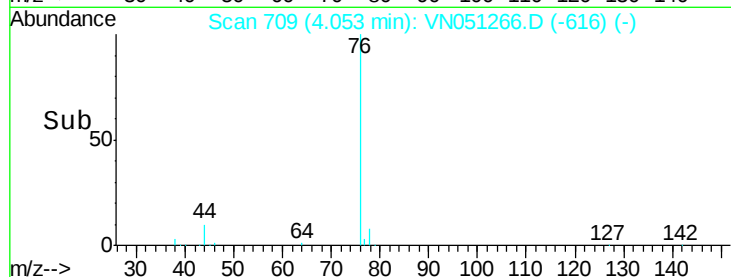
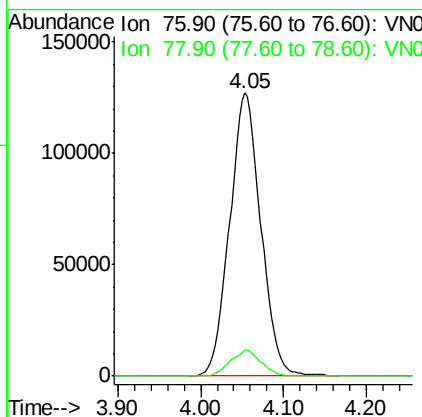
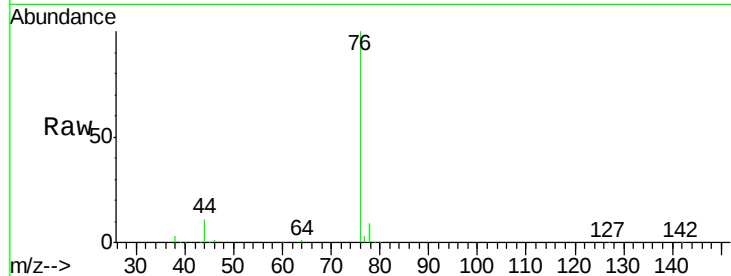
#17
Carbon Disulfide
Concen: 16.82 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

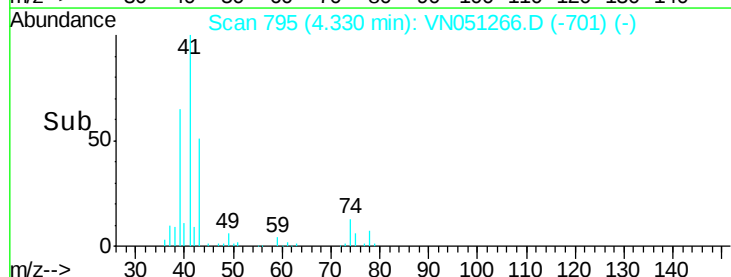
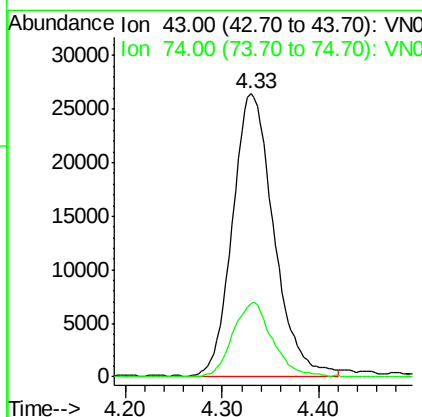
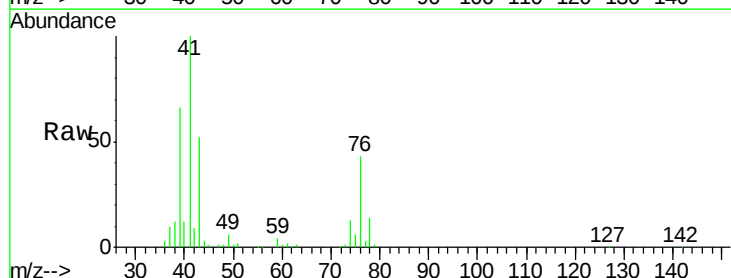
Manual Integrations
APPROVED

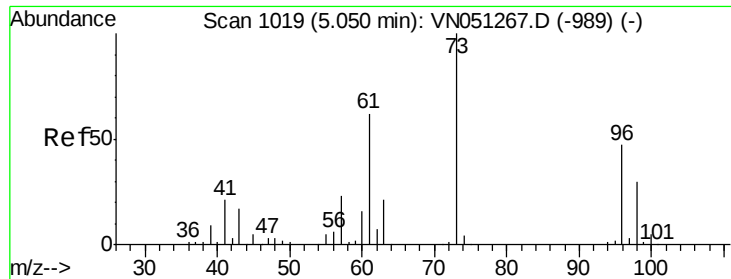
MMDadoda
9/19/2018 4:57:49 PM



#18
Methyl Acetate
Concen: 15.88 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	20.8	31.2





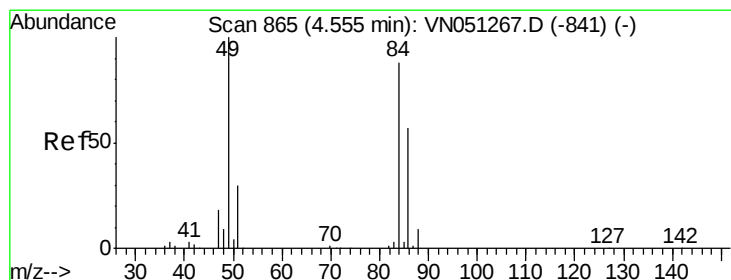
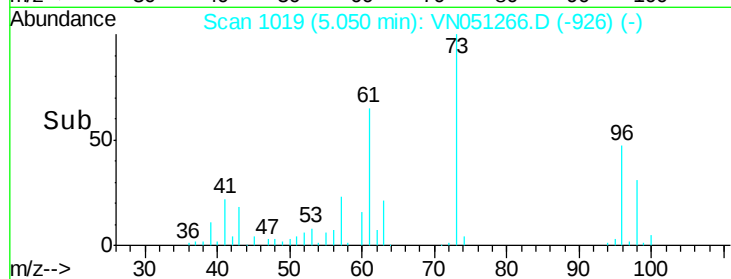
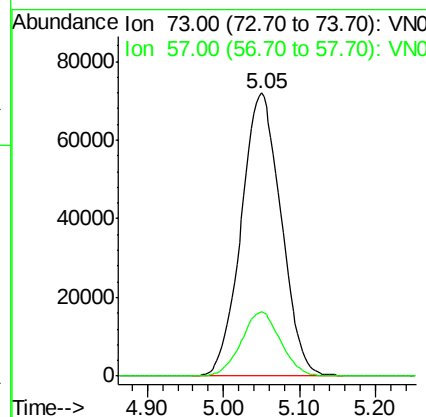
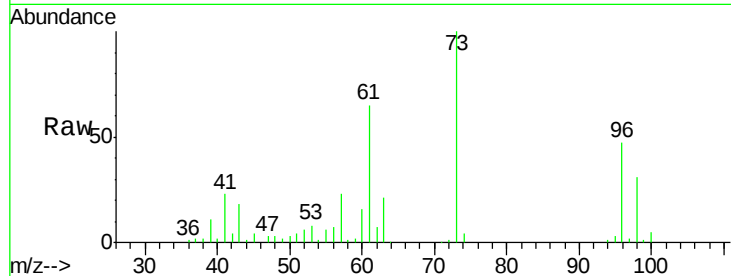
#19
Methvl tert-butvl Ether
Concen: 16.74 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.1	27.1

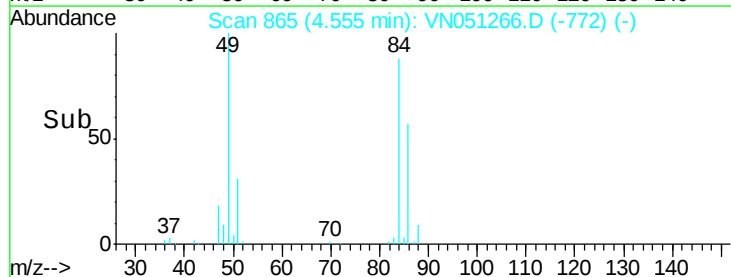
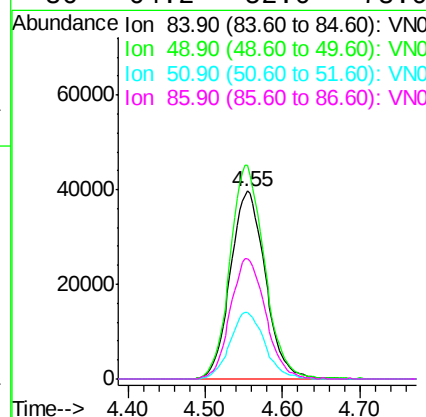
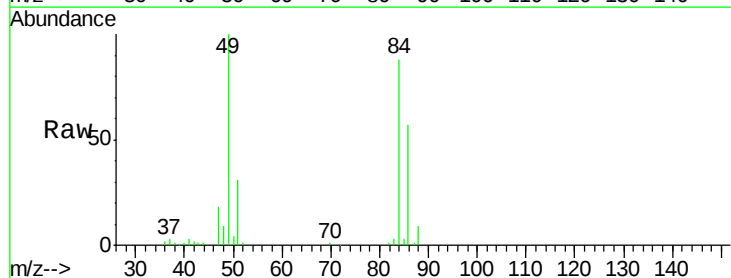
Manual Integrations
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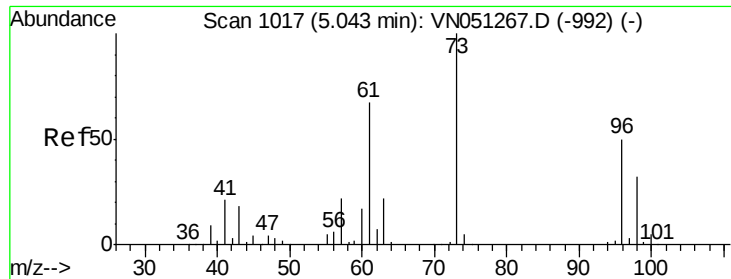
MMDadoda
9/19/2018 4:57:49 PM



#20
Methylene Chloride
Concen: 18.02 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.5	91.2	136.8
51	35.2	27.7	41.5
86	64.2	52.0	78.0





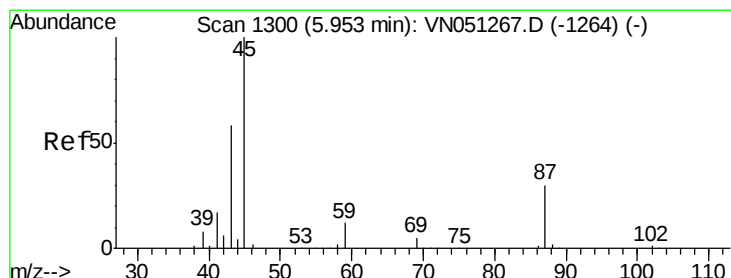
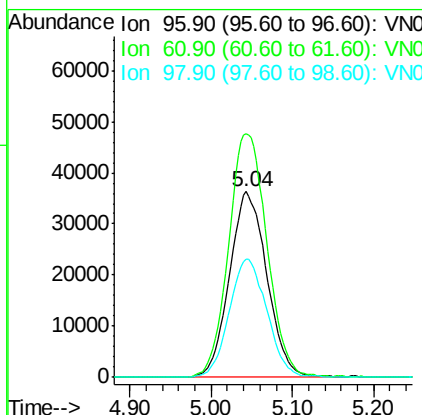
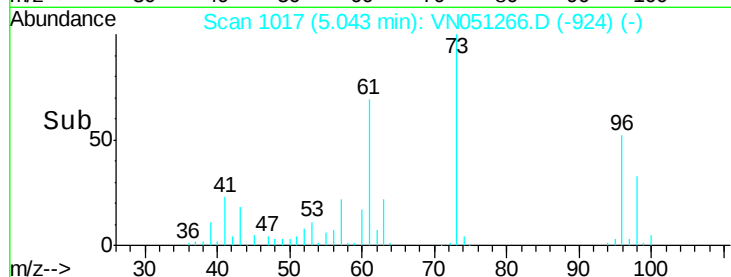
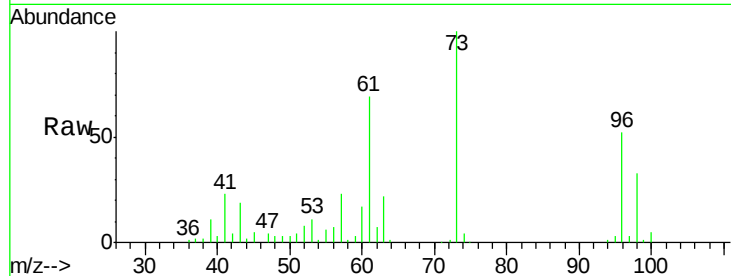
#21
trans-1,2-Dichloroethene
Concen: 17.80 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.2	106.7	160.1
98	63.9	51.4	77.0

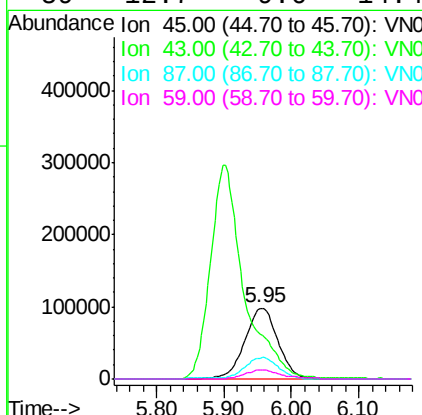
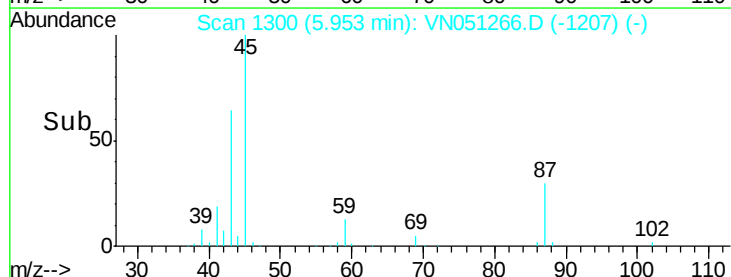
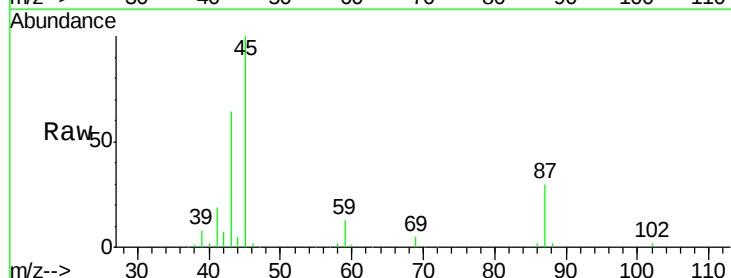
Manual Integrations
APPROVED

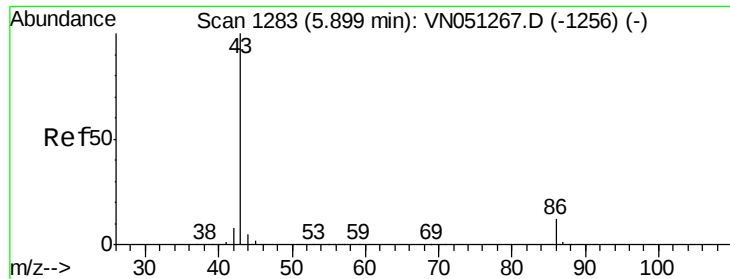
MMDadoda
9/19/2018 4:57:49 PM



#22
Diisopropyl ether
Concen: 18.65 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.4	46.7	70.1
87	29.7	24.6	36.8
59	12.7	9.6	14.4





#23

Vinyl Acetate

Concen: 85.02 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN051266.D

Acq: 17 Sep 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 1032127

Ion Ratio Lower Upper

43 100

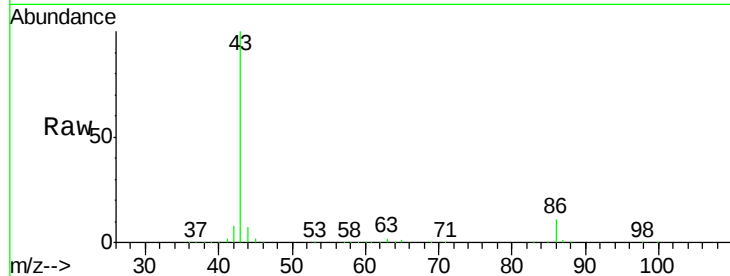
86 10.9 9.3 13.9

Manual Integrations

APPROVED

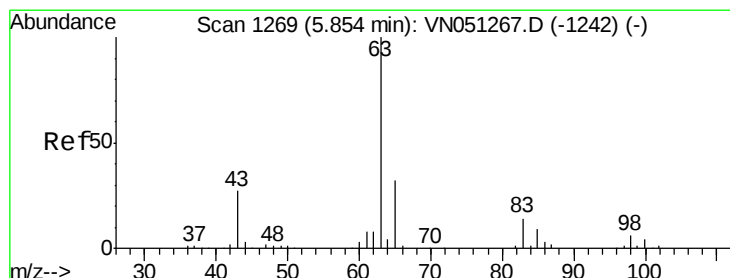
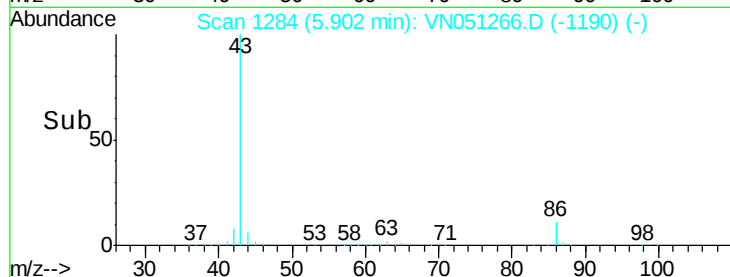
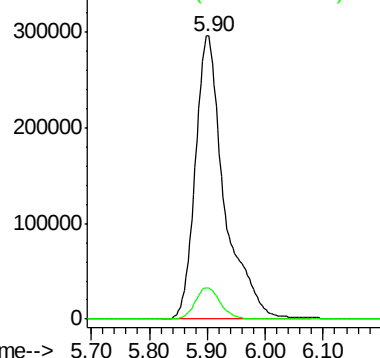
MMDadoda

9/19/2018 4:57:49 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.33 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051266.D

Acq: 17 Sep 2018 11:11

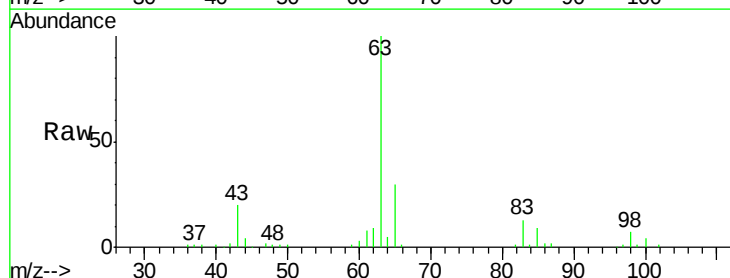
Tgt Ion: 63 Resp: 210973

Ion Ratio Lower Upper

63 100

98 7.1 3.3 9.8

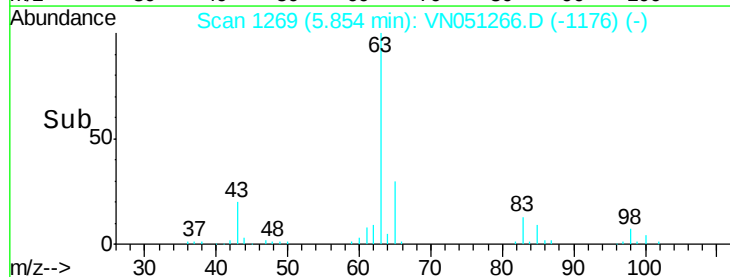
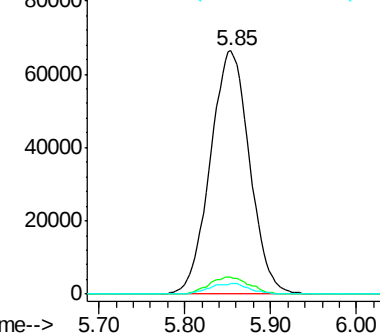
100 4.2 2.3 6.8

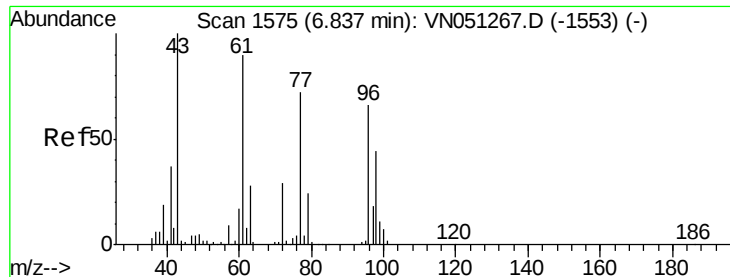


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





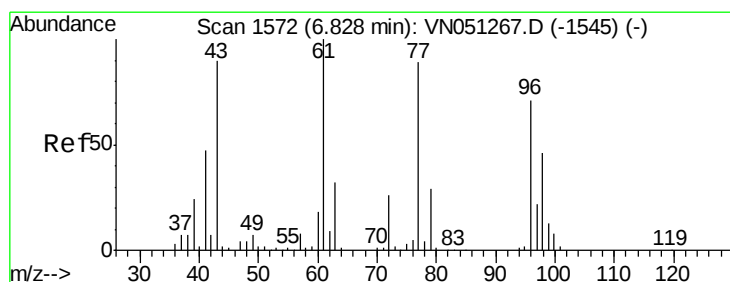
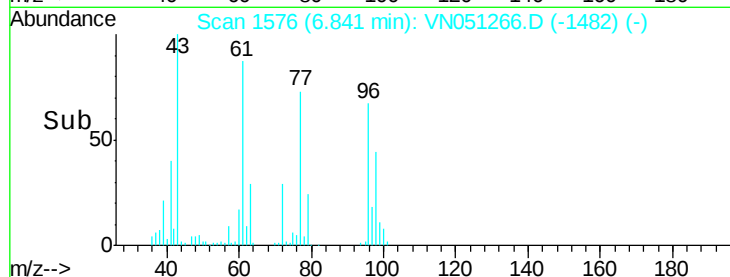
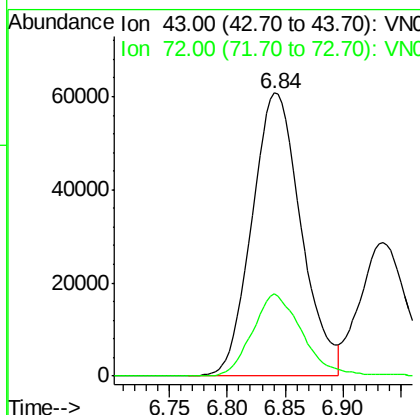
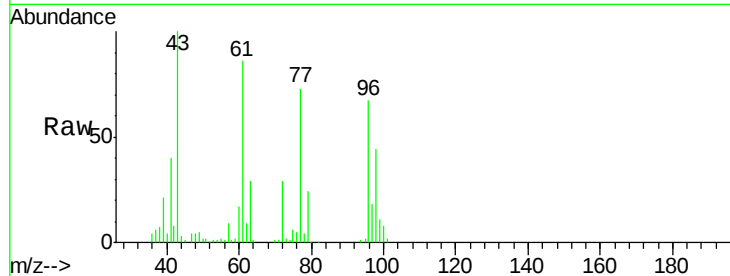
#25
2-Butanone
Concen: 74.67 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 179559
Ion Ratio Lower Upper
43 100
72 29.1 23.4 35.0

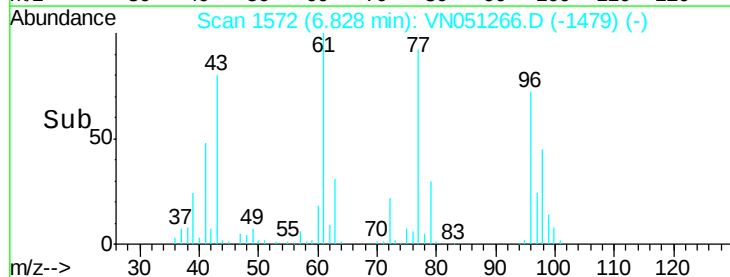
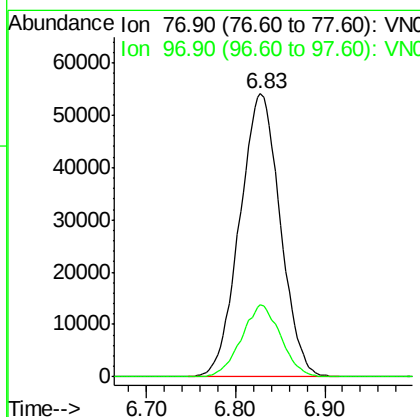
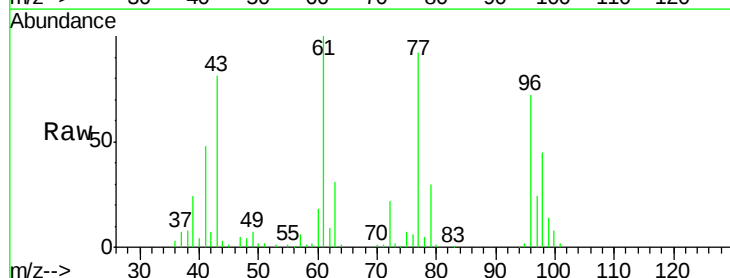
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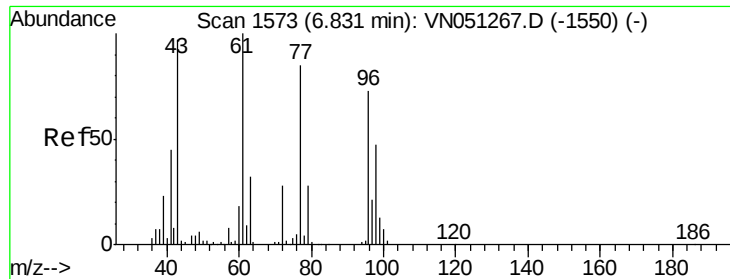
MMDadoda
9/19/2018 4:57:49 PM



#26
2,2-Dichloropropane
Concen: 18.11 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Tgt Ion: 77 Resp: 170540
Ion Ratio Lower Upper
77 100
97 24.6 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 18.00 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051266.D

Acq: 17 Sep 2018 11:11

Instrument :

MSVOA_N

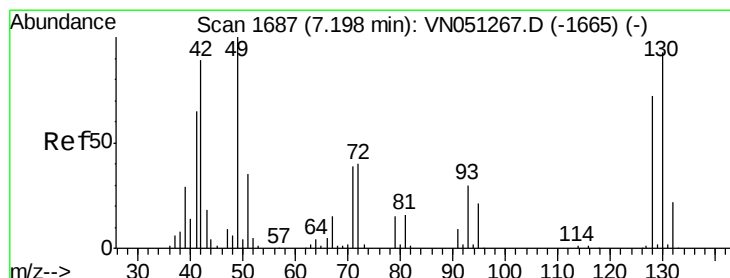
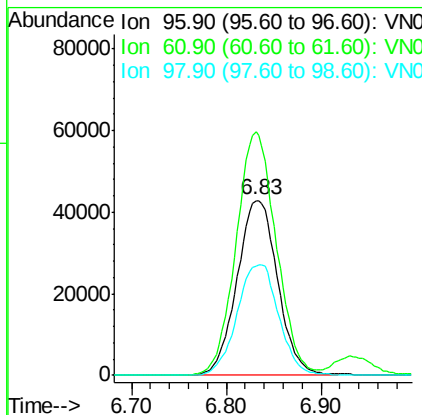
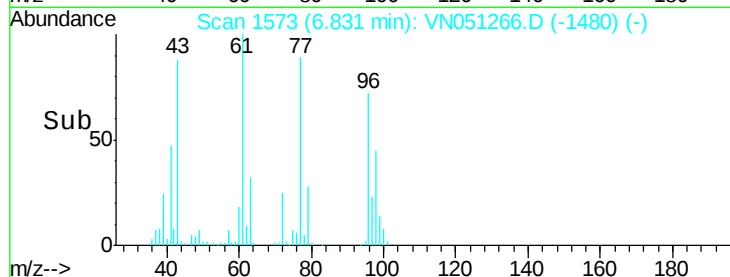
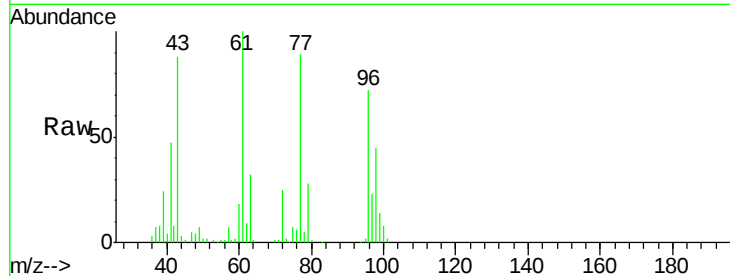
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	128141
Ion	Ratio	Lower	Upper
96	100		
61	137.0	0.0	276.2
98	64.7	0.0	129.2

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#28

Bromochloromethane

Concen: 19.06 ug/l

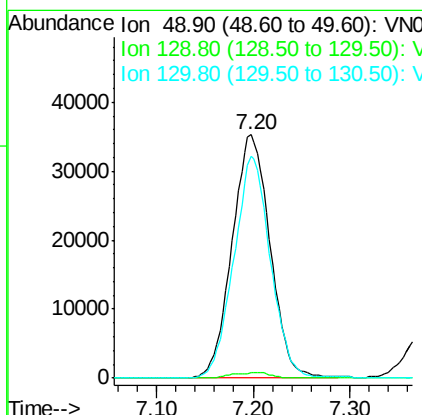
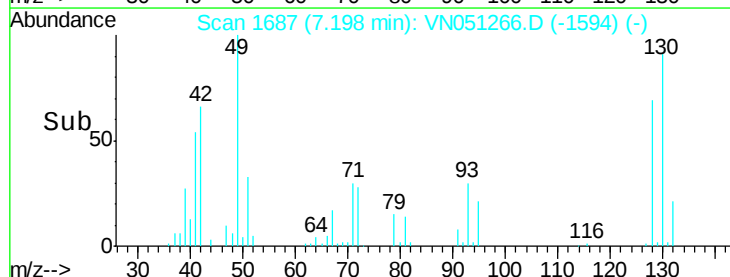
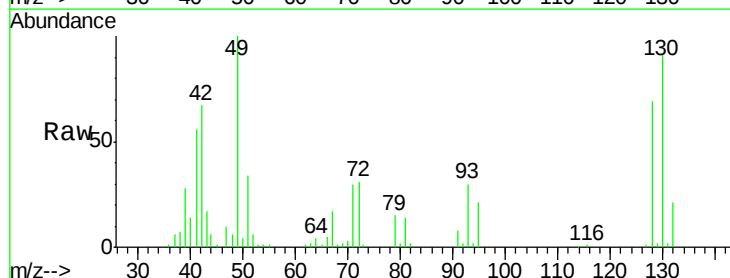
RT: 7.20 min Scan# 1687

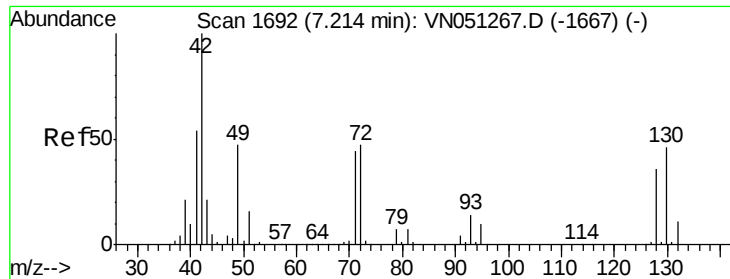
Delta R.T. 0.00 min

Lab File: VN051266.D

Acq: 17 Sep 2018 11:11

Tgt Ion:	49	Resp:	96152
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	87.7	73.7	110.5





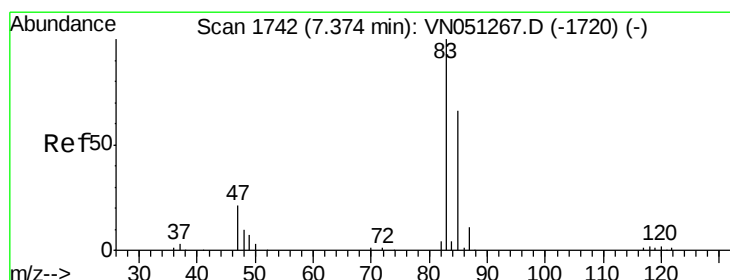
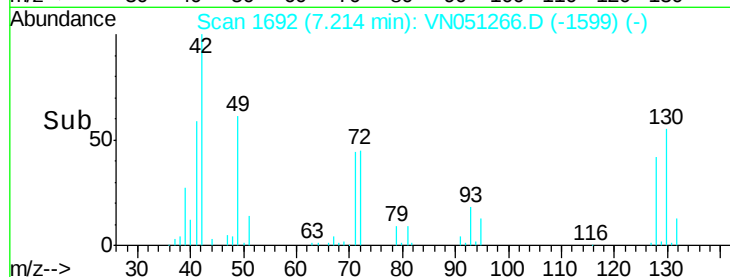
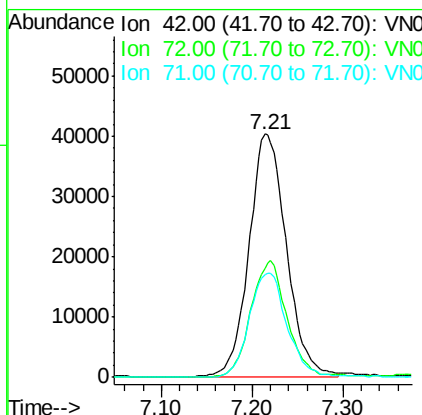
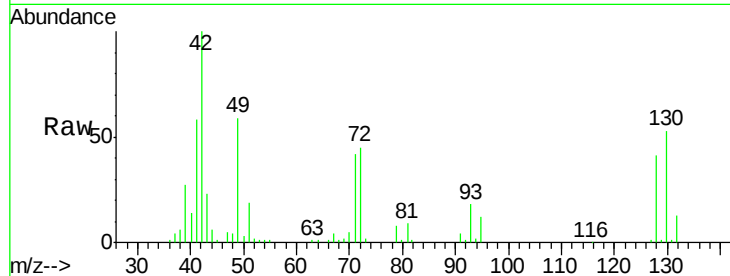
#29
Tetrahydrofuran
Concen: 77.03 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	37.6	56.4
71	42.9	35.4	53.2

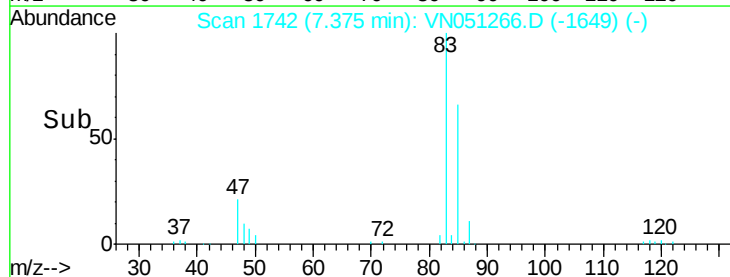
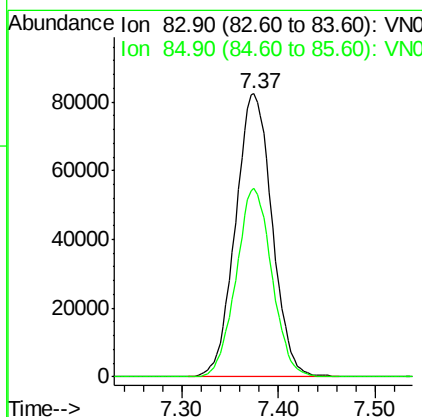
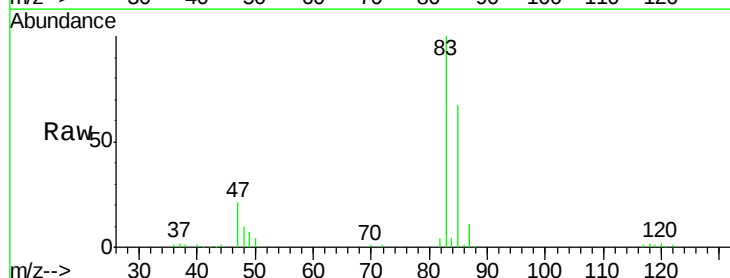
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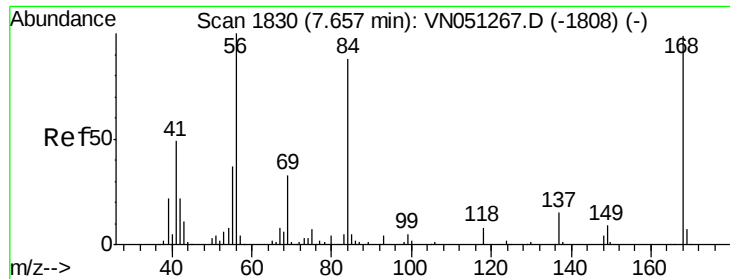
MMDadoda
9/19/2018 4:57:49 PM



#30
Chloroform
Concen: 18.93 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	52.4	78.6





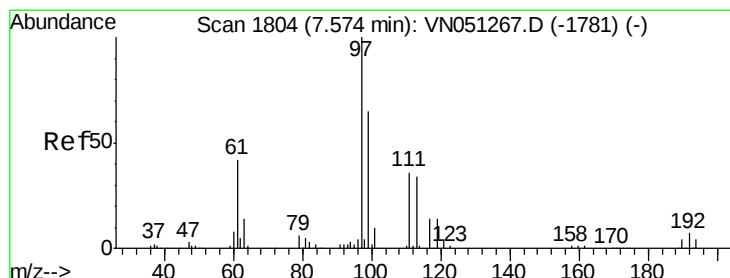
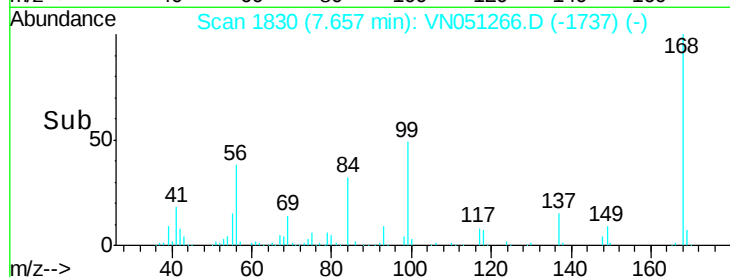
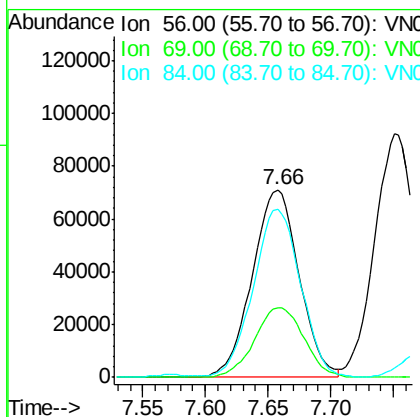
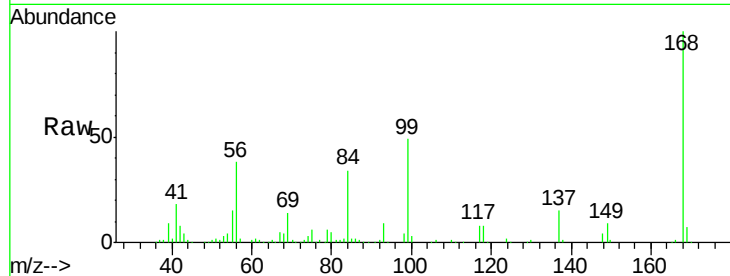
#31
Cyclohexane
Concen: 15.94 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.3	26.2	39.2
84	88.3	70.6	106.0

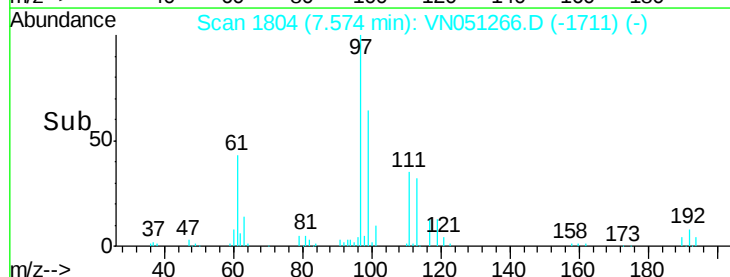
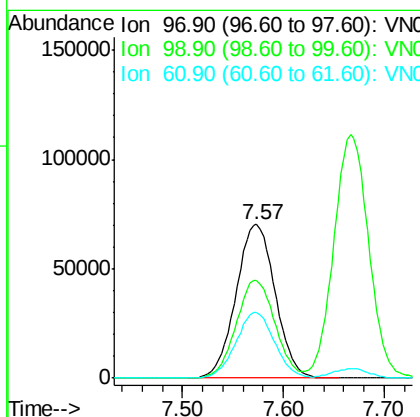
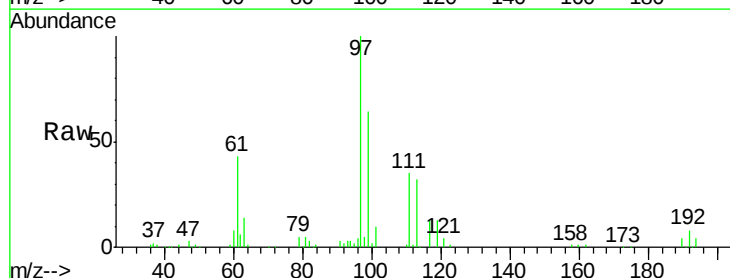
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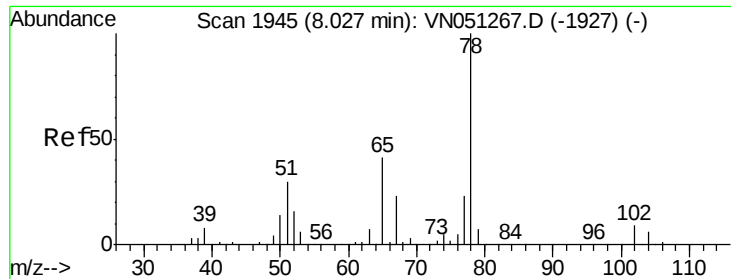
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.29 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.6	77.4
61	42.0	33.4	50.2





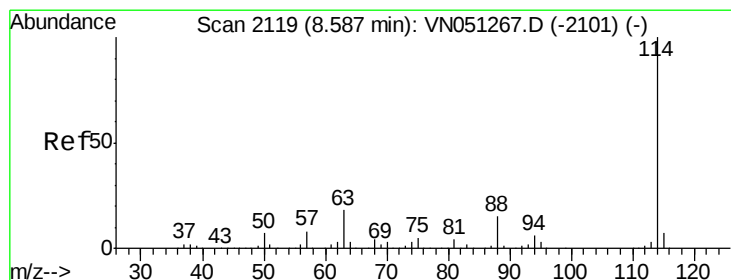
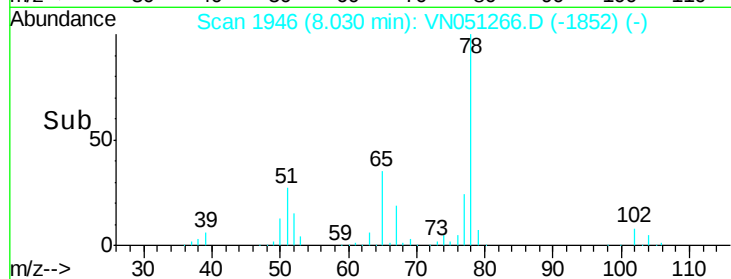
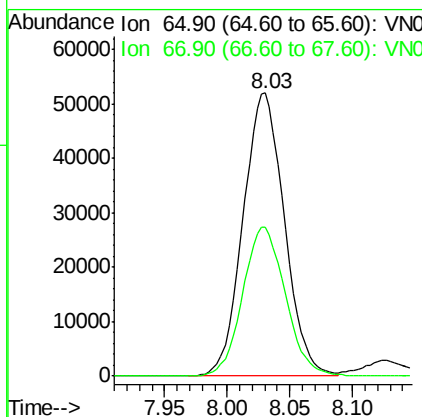
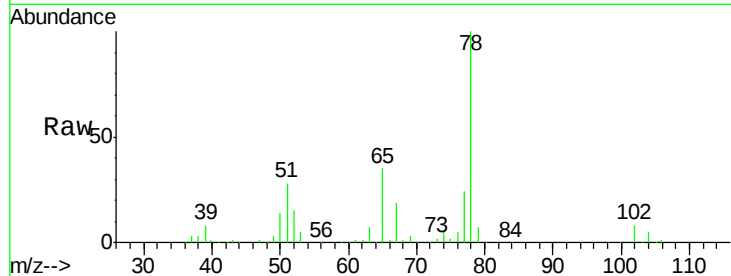
#33
 1,2-Dichloroethane-d4
 Concen: 19.24 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051266.D
 Acq: 17 Sep 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	119608		
67	54.2	0.0	111.0	

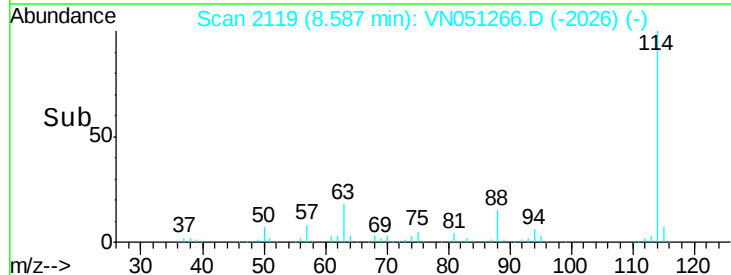
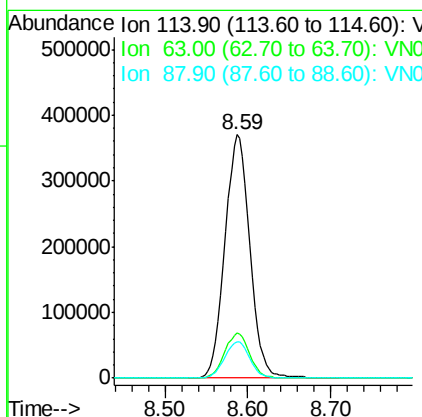
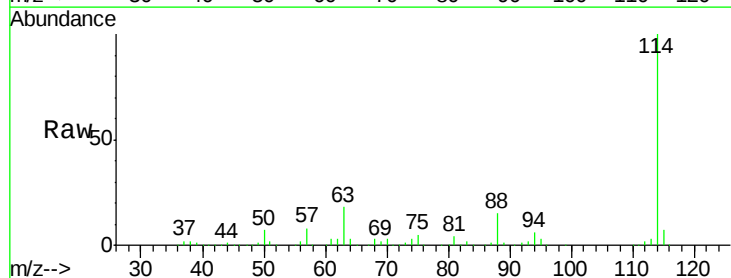
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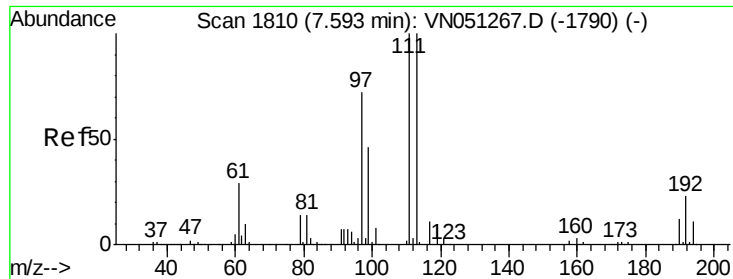
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051266.D
 Acq: 17 Sep 2018 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	774643		
63	18.3	0.0	36.8	
88	15.1	0.0	30.8	





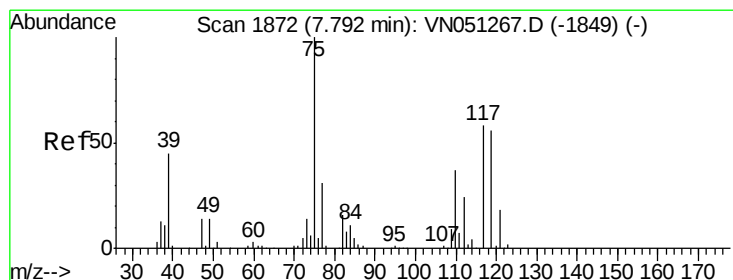
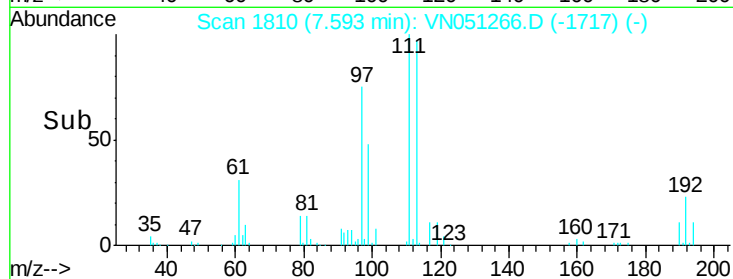
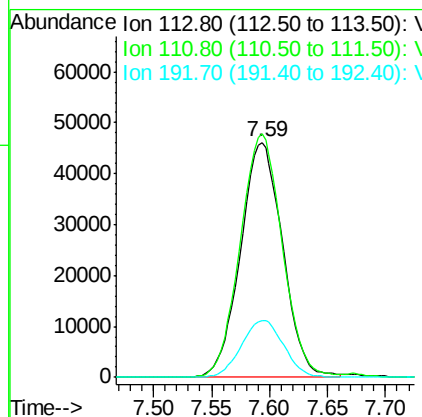
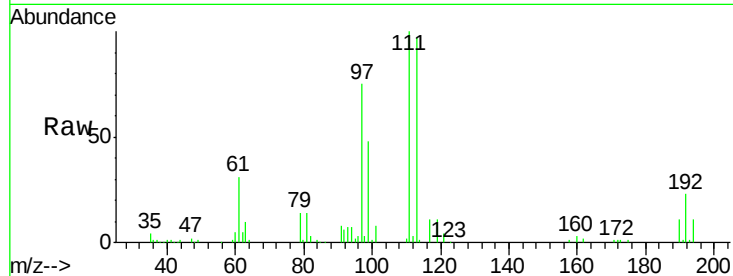
#35
 Dibromofluoromethane
 Concen: 19.92 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051266.D
 Acq: 17 Sep 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	116870		
111	103.3	82.2	123.4	
192	24.3	19.0	28.6	

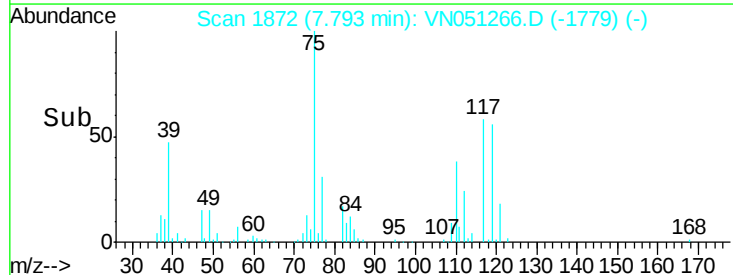
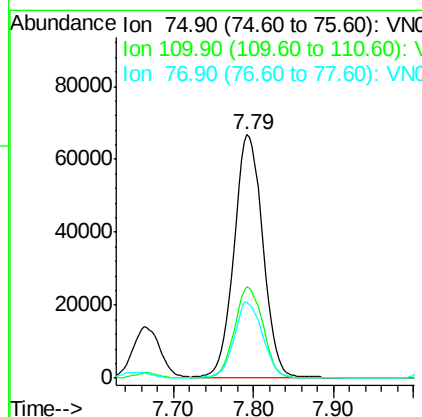
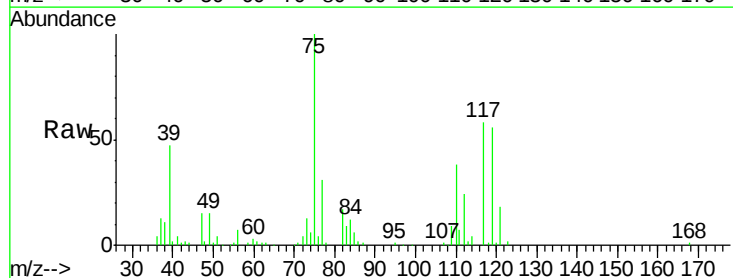
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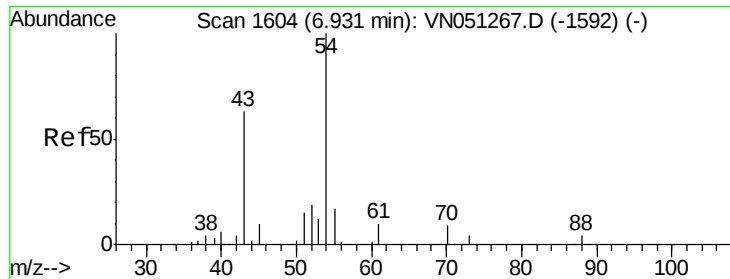
MMDadoda
 9/19/2018 4:57:49 PM



#36
 1,1-Dichloropropene
 Concen: 19.09 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051266.D
 Acq: 17 Sep 2018 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	163838		
110	36.7	18.6	56.0	
77	31.0	24.7	37.1	





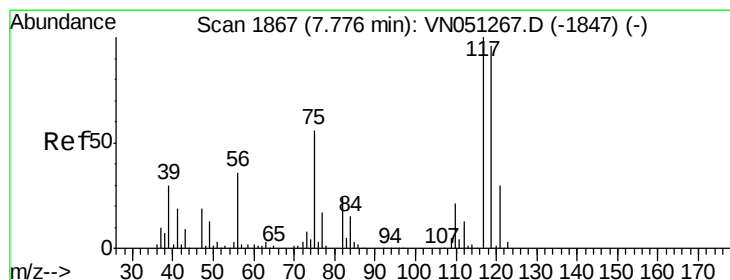
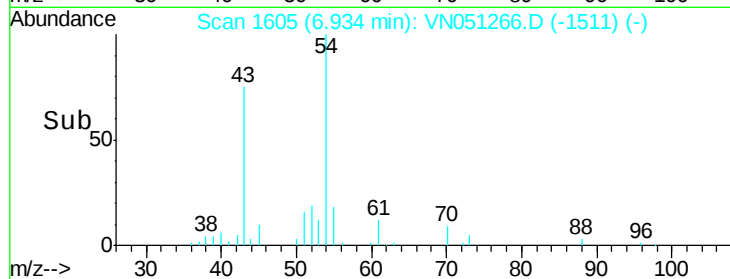
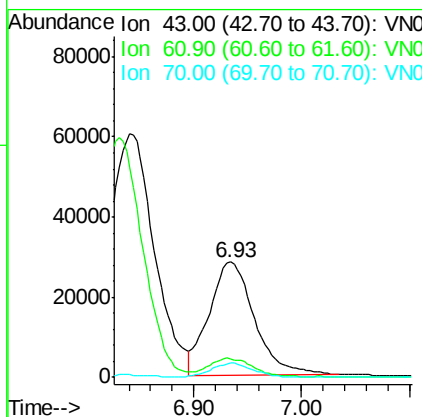
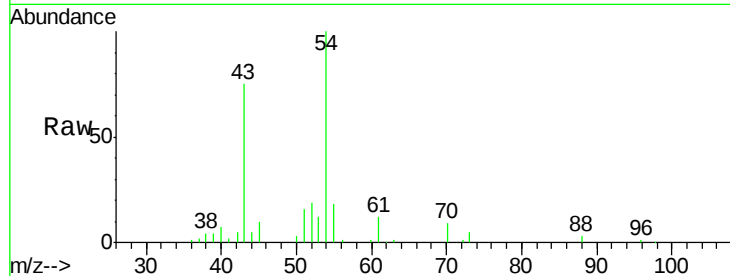
#37
Ethyl Acetate
Concen: 17.05 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	43	61	70
Ratio	100	15.6	11.3
Lower		12.3	9.4
Upper		18.5	14.0

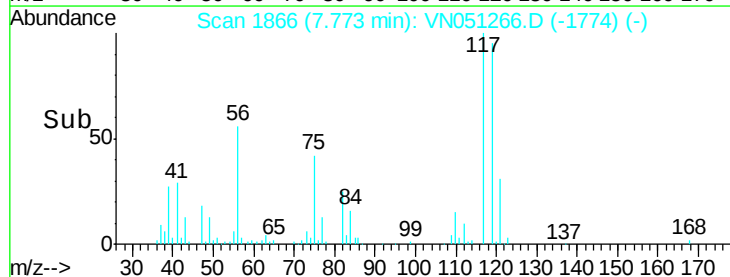
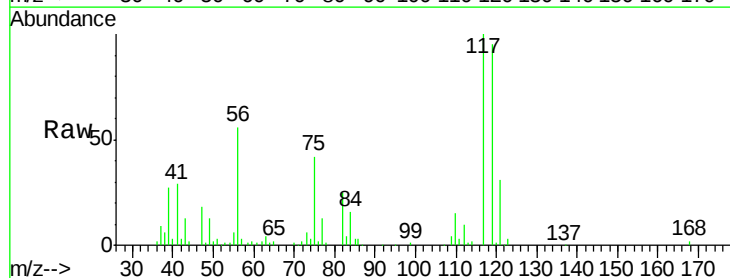
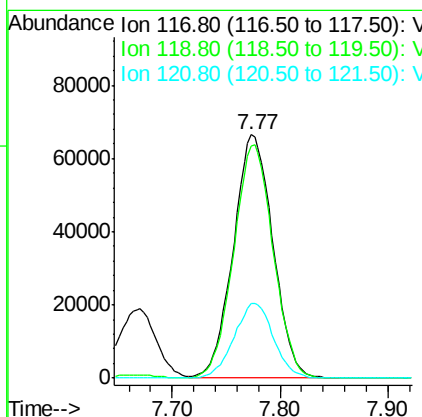
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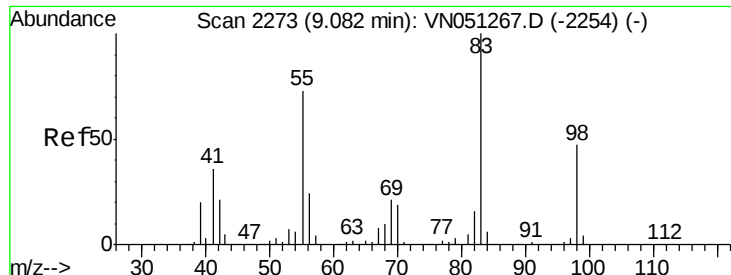
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.98 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Tgt Ion	117	119	121
Ratio	100	95.3	30.5
Lower		76.8	24.2
Upper		115.2	36.2





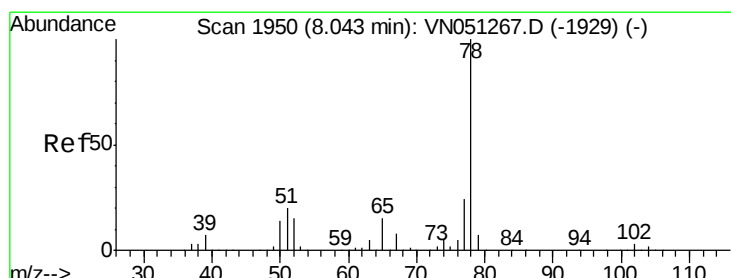
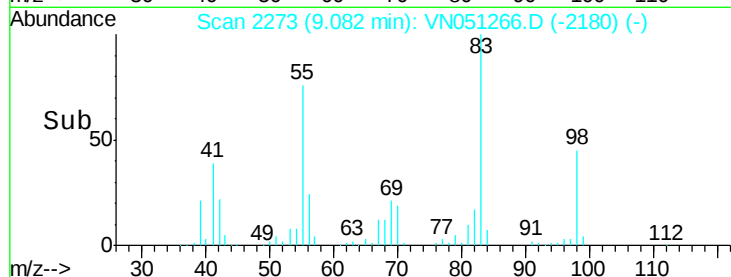
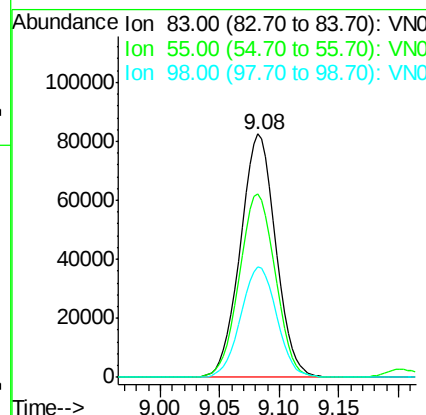
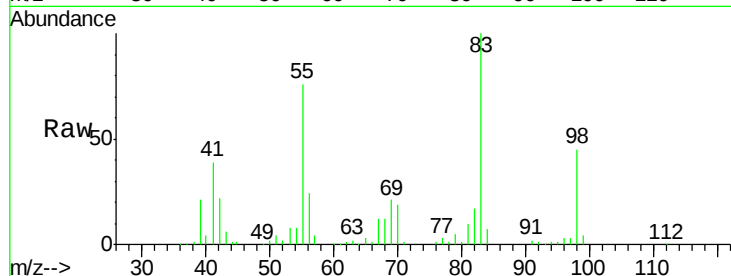
#39
Methvlcvclohexane
Concen: 18.00 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	83.00	Resp	170045
Ion	Ratio	Lower	Upper
83	100		
55	75.6	58.7	88.1
98	45.3	37.3	55.9

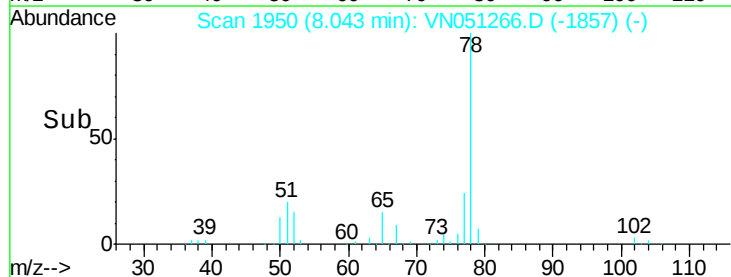
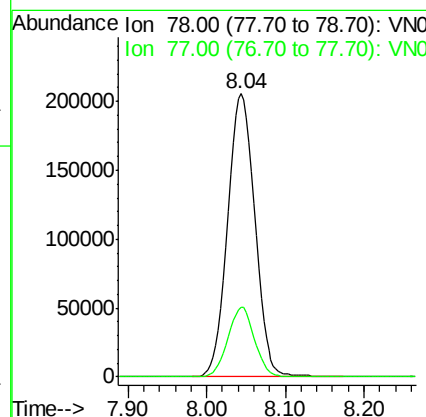
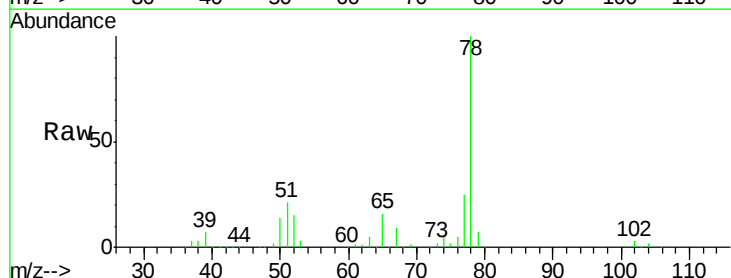
Manual Integrations
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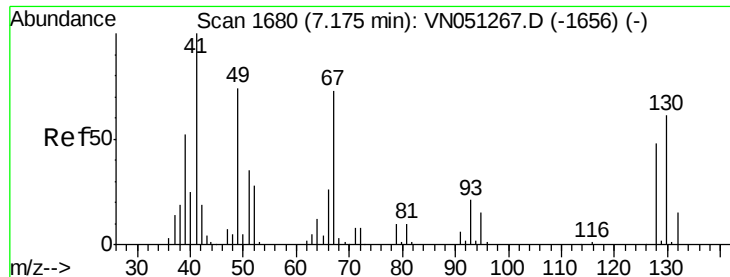
MMDadoda
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#40
Benzene
Concen: 19.09 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Tgt Ion	78.00	Resp	492681
Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.0	28.4





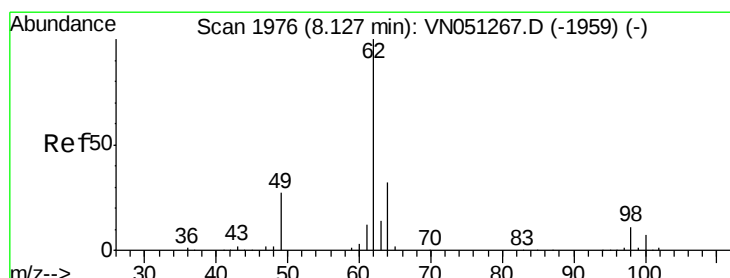
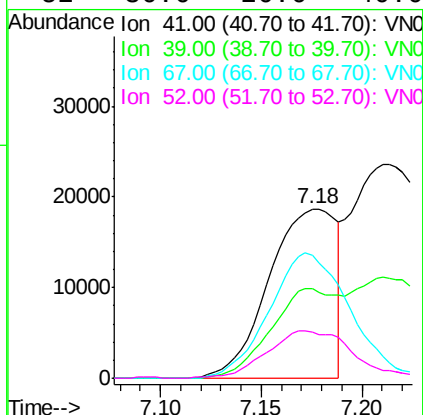
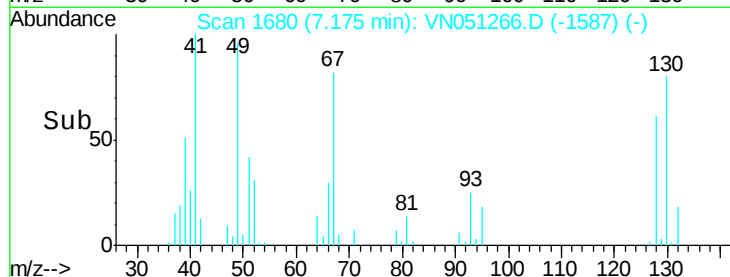
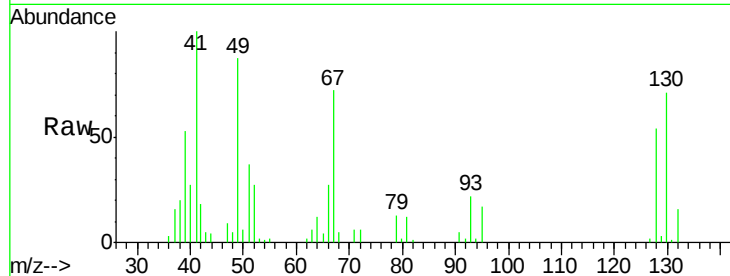
#41
Methacrylonitrile
Concen: 16.81 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	43144
Ion	Ratio	Lower	Upper
41	100		
39	54.8	47.8	71.6
67	89.2	69.8	104.6
52	36.6	26.6	40.0

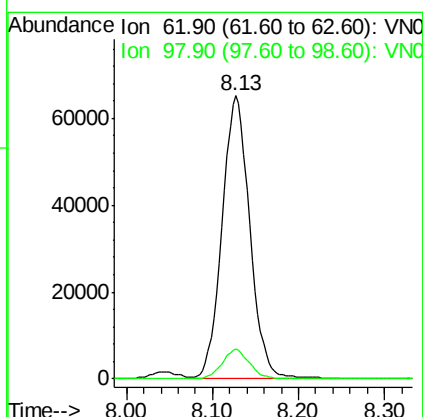
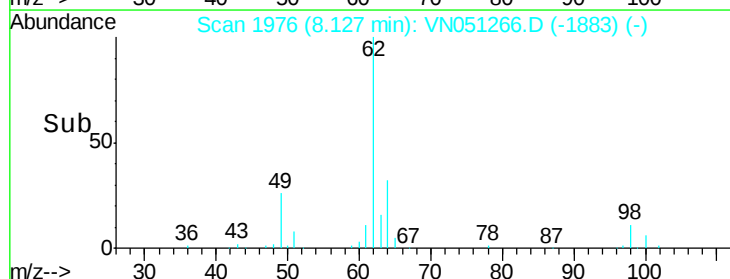
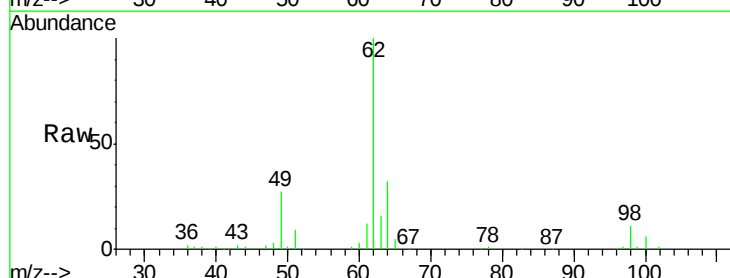
Manual Integrations
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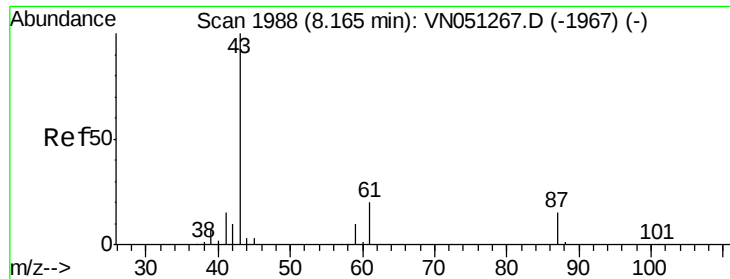
MMDadoda
9/19/2018 4:57:49 PM



#42
1,2-Dichloroethane
Concen: 19.43 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Tgt Ion:	62	Resp:	146298
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	21.0





#43

Isopropyl Acetate

Concen: 16.82 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051266.D

Acq: 17 Sep 2018 11:11

Instrument :

MSVOA_N

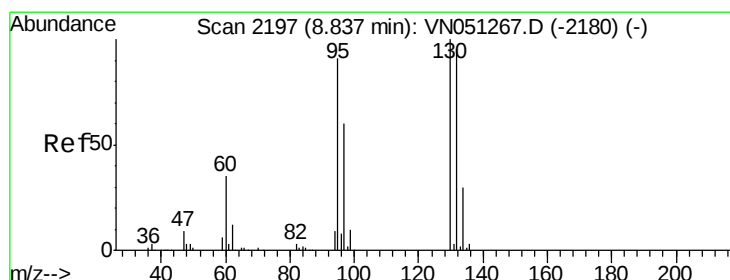
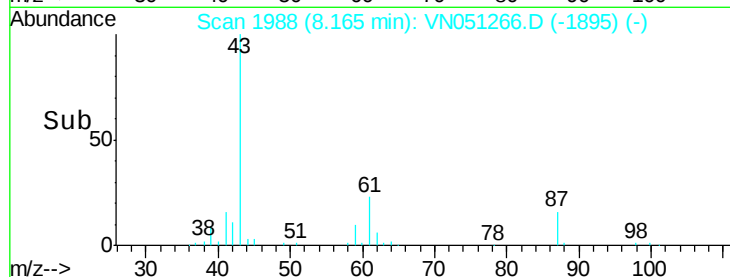
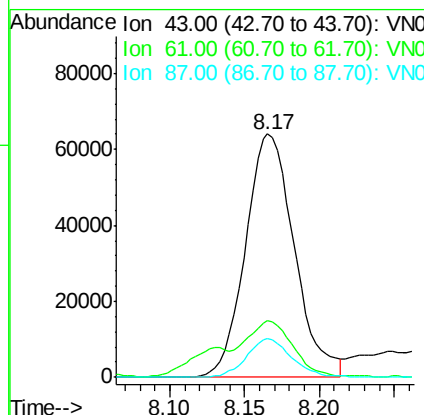
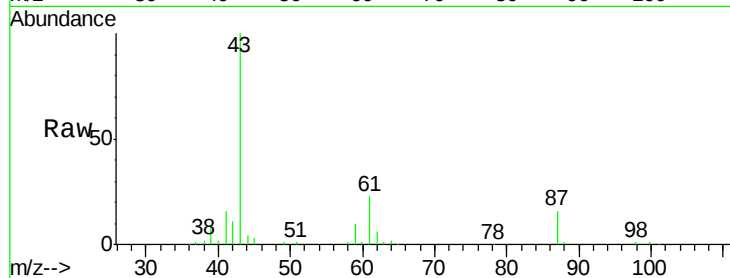
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	144326
Ion	Ratio	Lower	Upper
43	100		
61	21.4	17.4	26.2
87	14.9	12.2	18.4

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9/19/2018 4:57:49 PM



#44

Trichloroethene

Concen: 18.90 ug/l

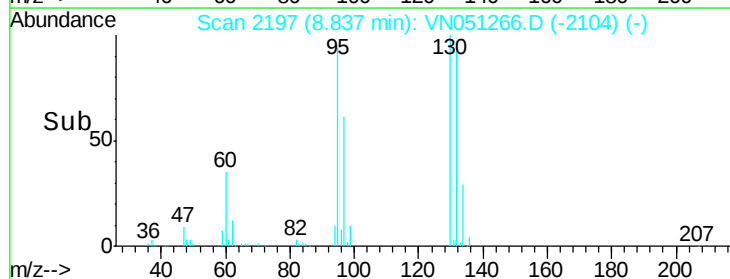
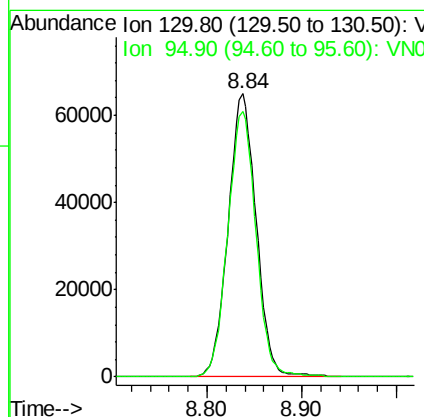
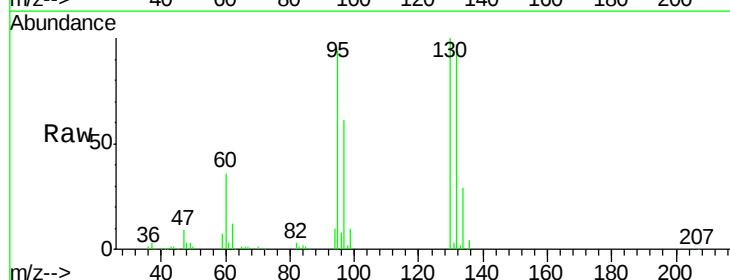
RT: 8.84 min Scan# 2197

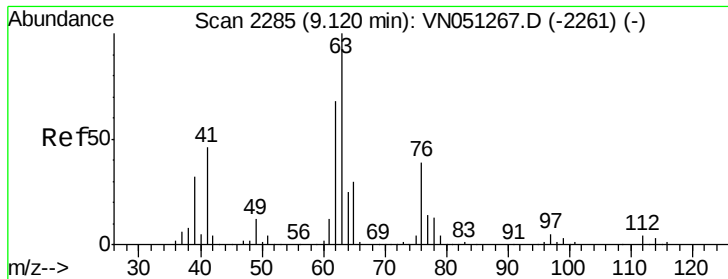
Delta R.T. 0.00 min

Lab File: VN051266.D

Acq: 17 Sep 2018 11:11

Tgt Ion:	130	Resp:	133837
Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	181.8





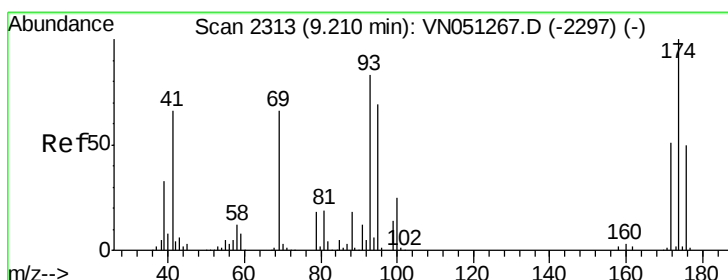
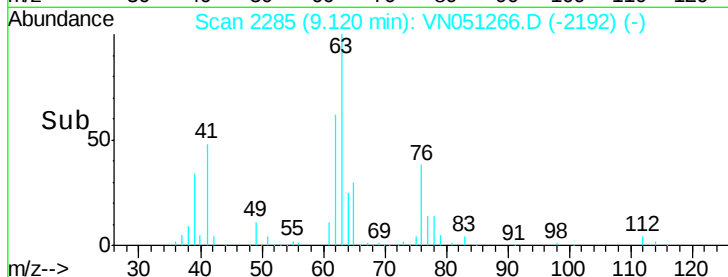
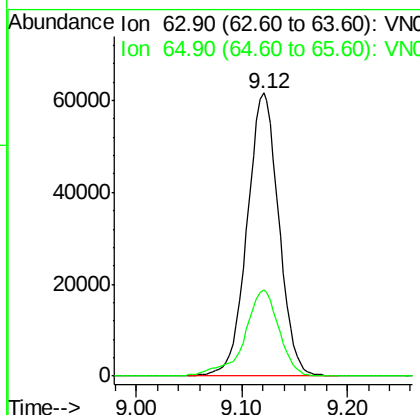
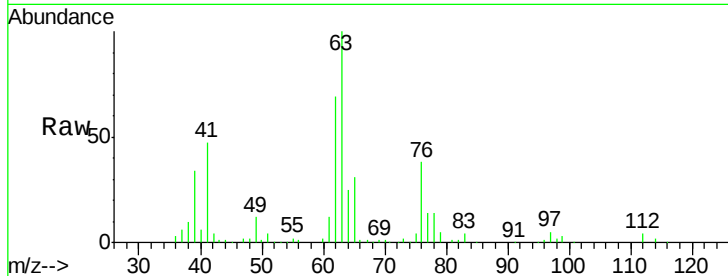
#45
 1,2-Dichloropropane
 Concen: 19.36 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051266.D
 Acq: 17 Sep 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.2	36.4

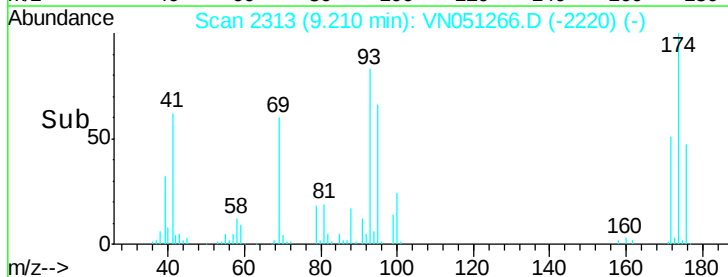
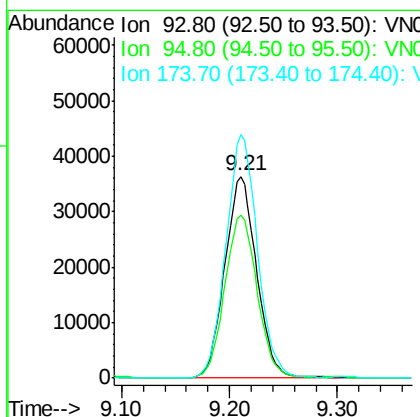
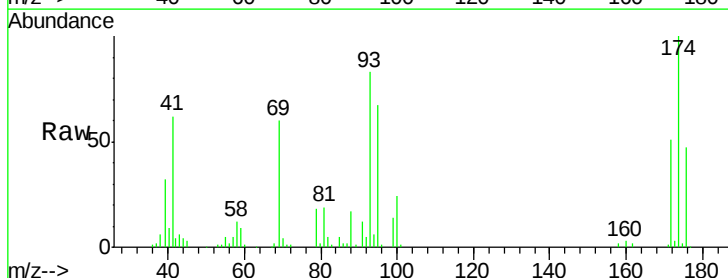
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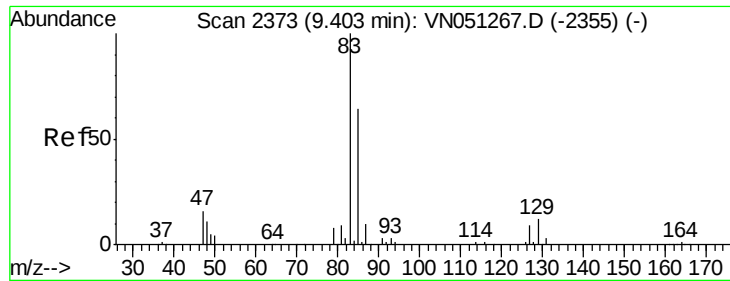
MMDadoda
 9/19/2018 4:57:49 PM



#46
 Dibromomethane
 Concen: 18.40 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051266.D
 Acq: 17 Sep 2018 11:11

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.9	66.6	100.0
174	119.7	95.6	143.4





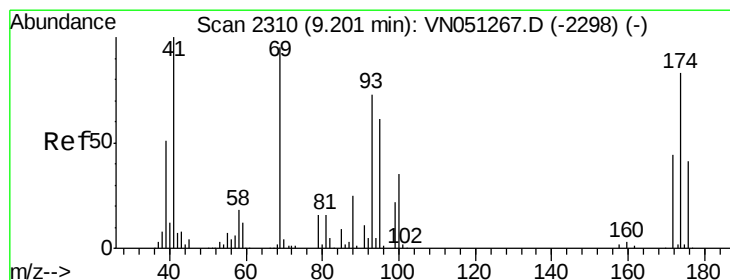
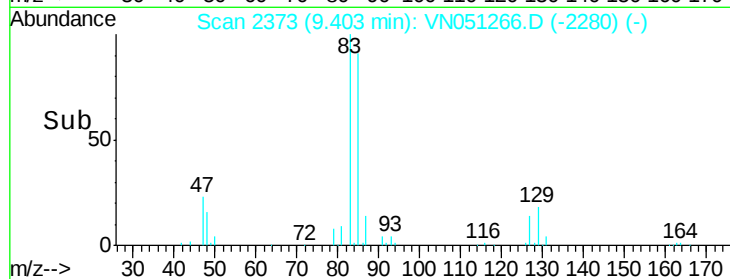
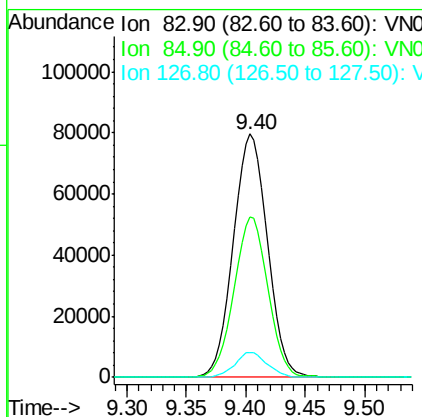
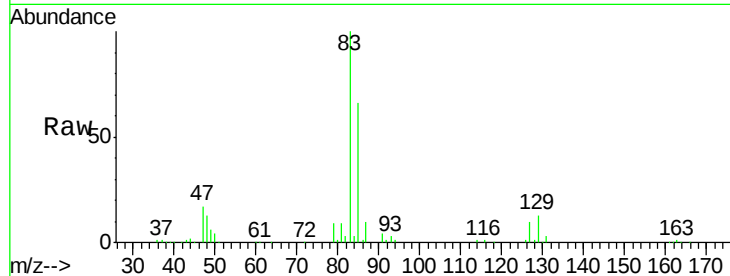
#47
Bromodichloromethane
Concen: 19.12 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	158835
Ion Ratio	100	Lower	Upper
83	100		
85	66.1	51.0	76.4
127	10.4	7.1	10.7

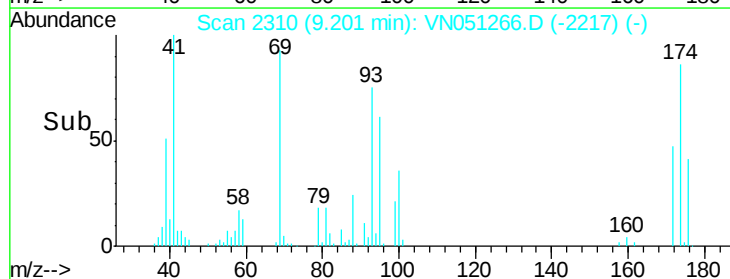
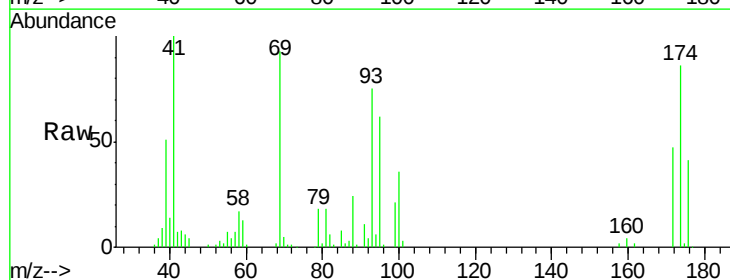
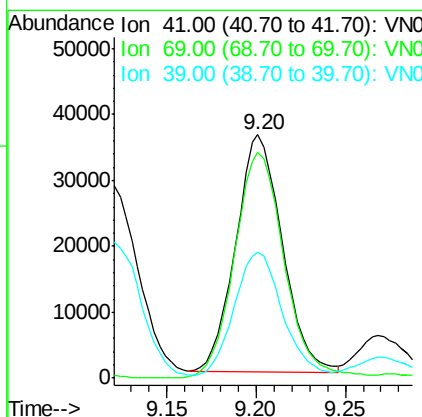
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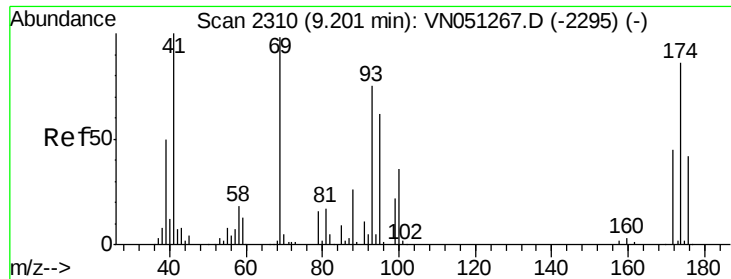
MMDadoda
9/19/2018 4:57:49 PM



#48
Methyl methacrylate
Concen: 15.68 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Tgt Ion	41	Resp	65688
Ion Ratio	100	Lower	Upper
41	100		
69	101.6	78.9	118.3
39	54.8	42.2	63.2





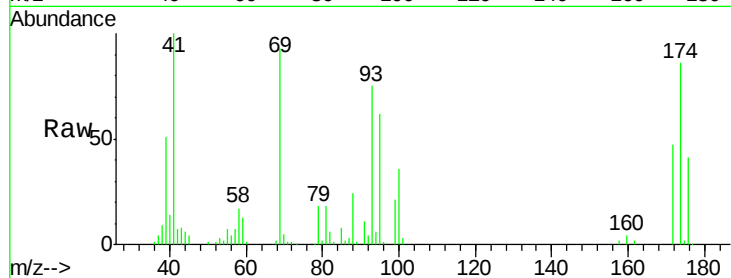
#49
1,4-Dioxane
Concen: 294.39 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.2	25.3	37.9
58	65.7	54.9	82.3

Manual Integrations
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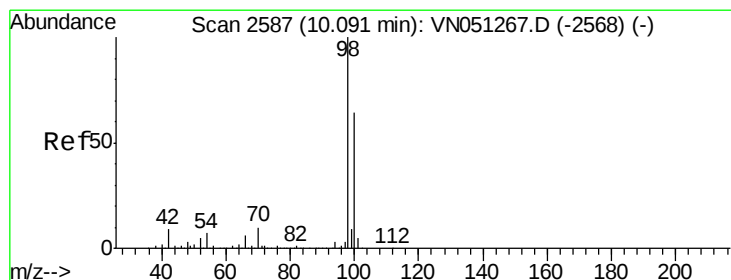
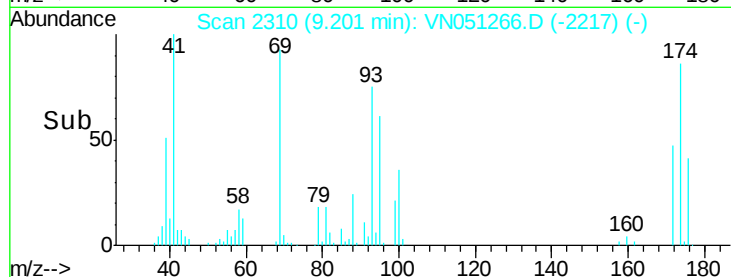
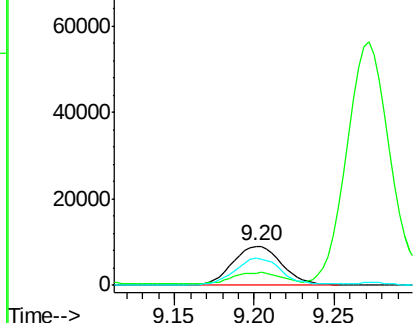
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Abundance Ion 88.00 (87.70 to 88.70): VN051266.D (-2217) (-)

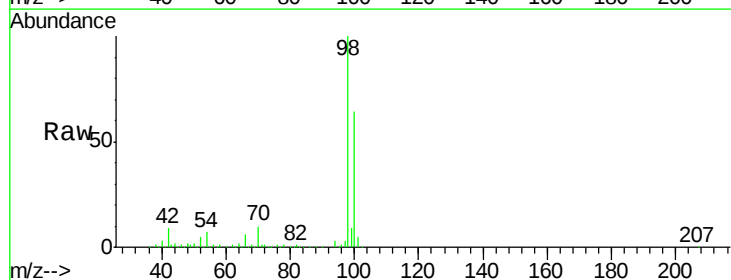
Ion 43.00 (42.70 to 43.70): VN051266.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN051266.D (-2217) (-)



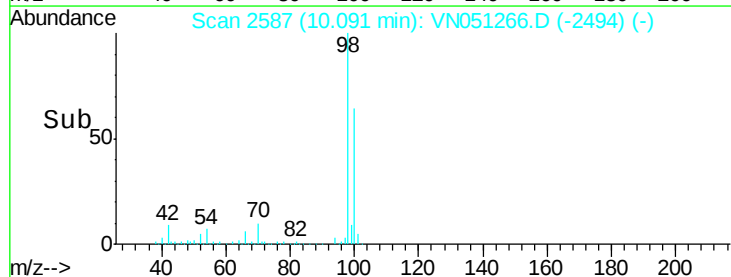
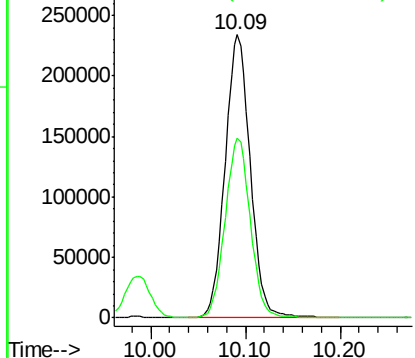
#50
Toluene-d8
Concen: 19.52 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

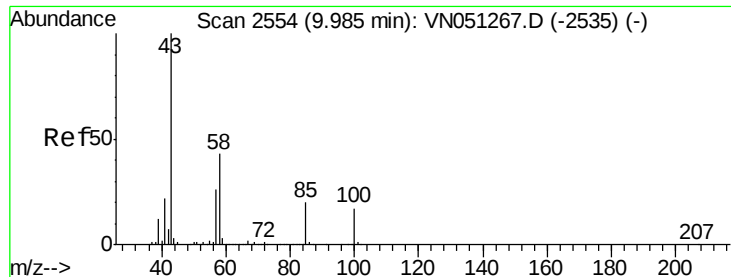
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.6	77.4



Abundance Ion 98.00 (97.70 to 98.70): VN051266.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN051266.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 80.94 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051266.D

Acq: 17 Sep 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 383657

Ion Ratio Lower Upper

43 100

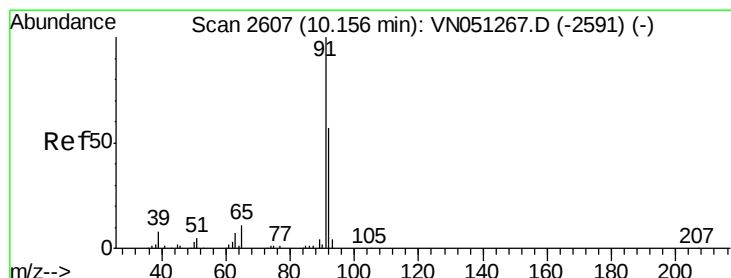
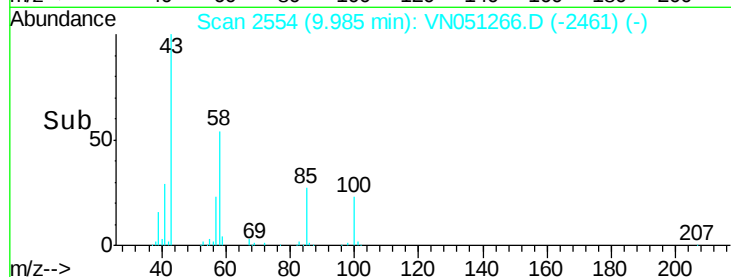
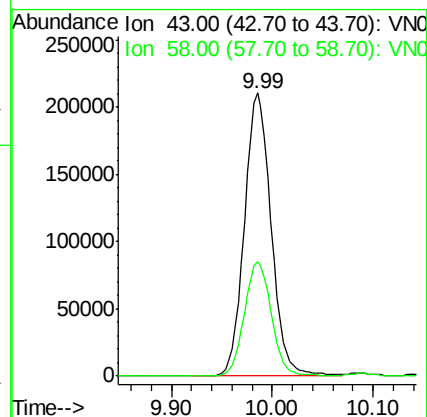
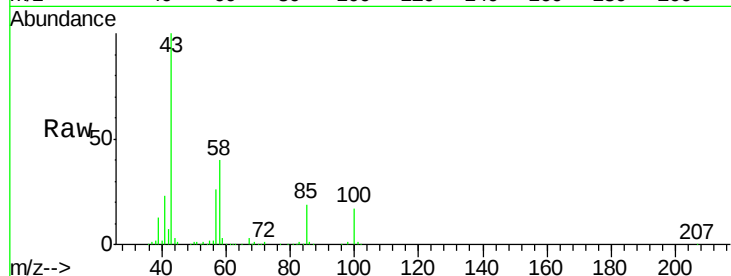
58 41.0 33.8 50.6

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#52

Toluene

Concen: 18.89 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051266.D

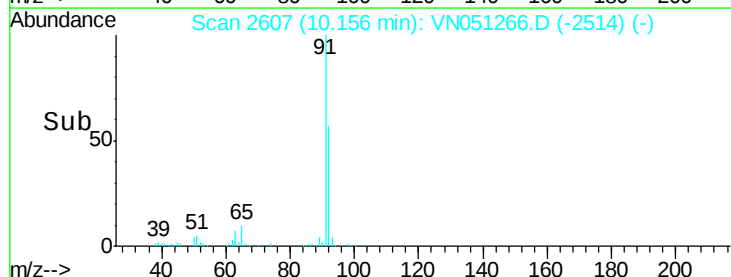
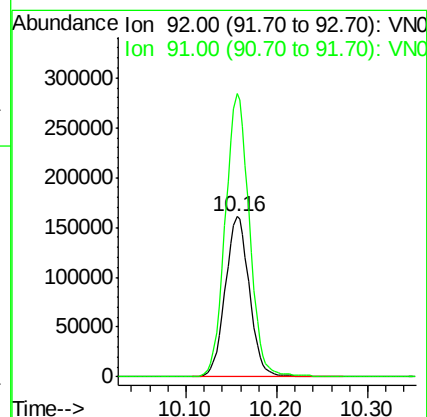
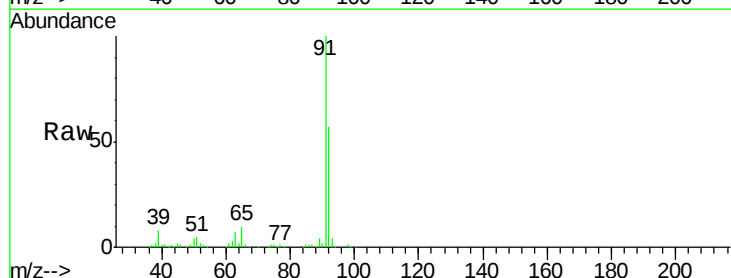
Acq: 17 Sep 2018 11:11

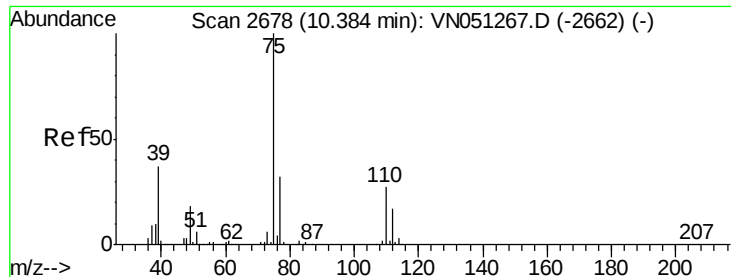
Tgt Ion: 92 Resp: 297143

Ion Ratio Lower Upper

92 100

91 176.3 139.2 208.8





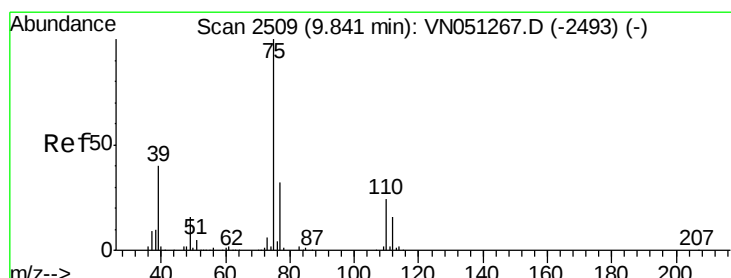
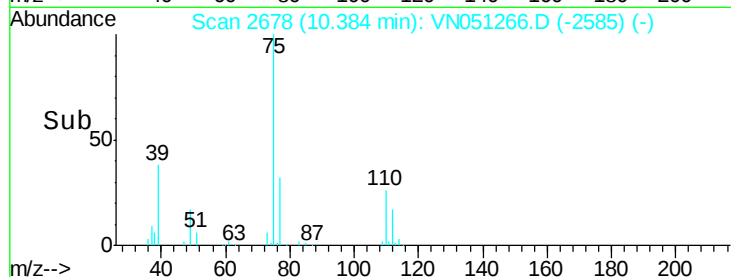
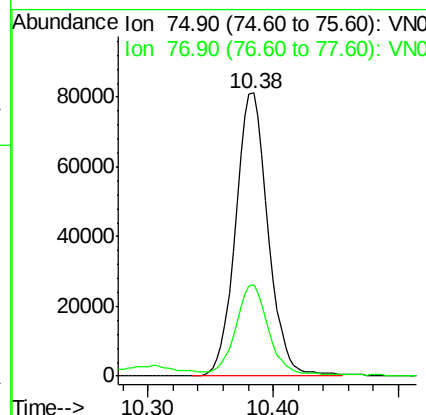
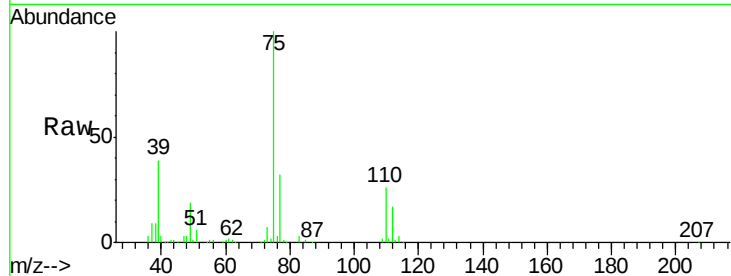
#53
t-1,3-Dichloropropene
Concen: 17.71 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.5	38.3

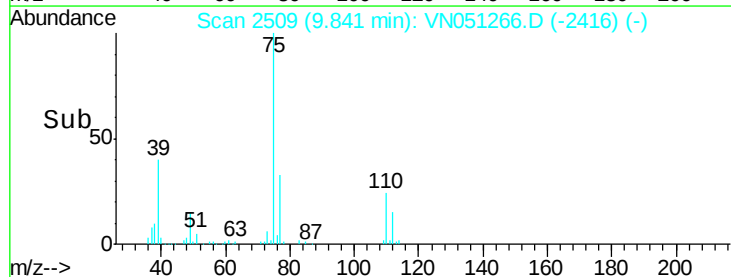
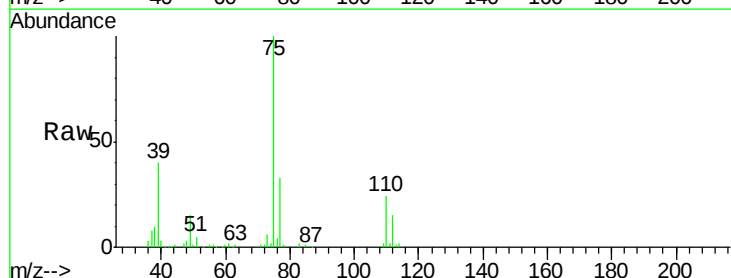
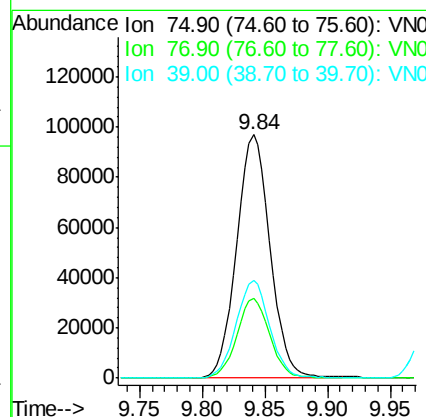
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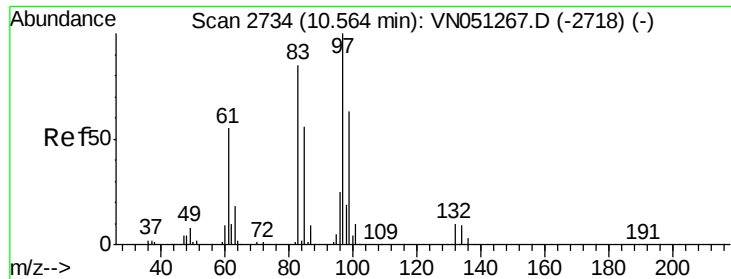
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 18.56 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.8	38.8
39	40.0	31.8	47.8





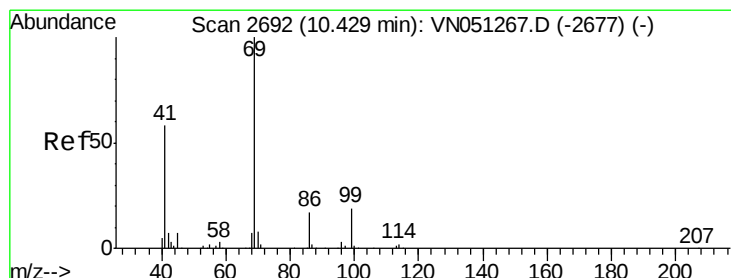
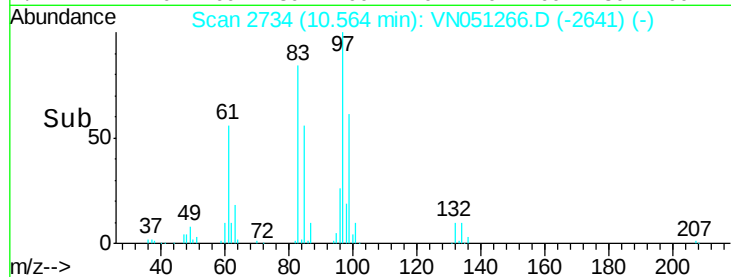
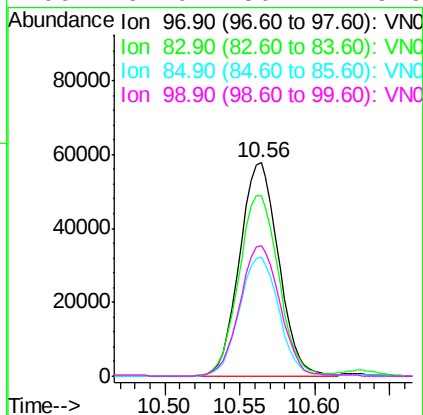
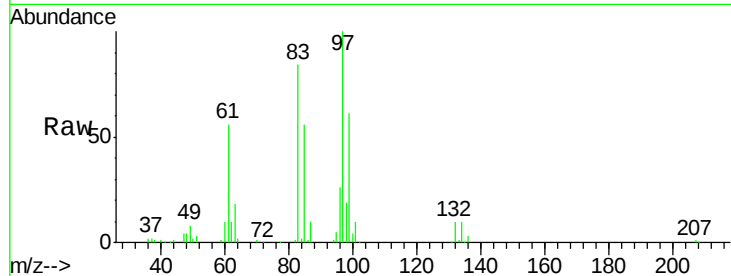
#55
 1,1,2-Trichloroethane
 Concen: 18.50 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051266.D
 Acq: 17 Sep 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.7	101.5
85	55.5	44.5	66.7
99	61.0	50.4	75.6

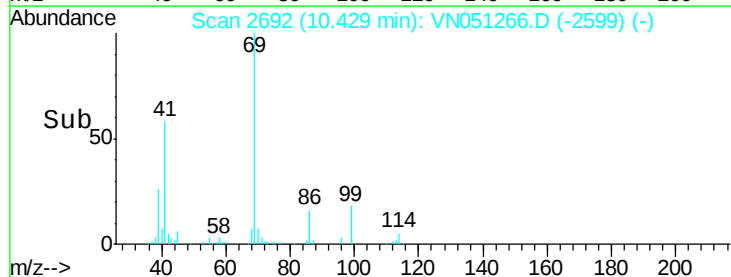
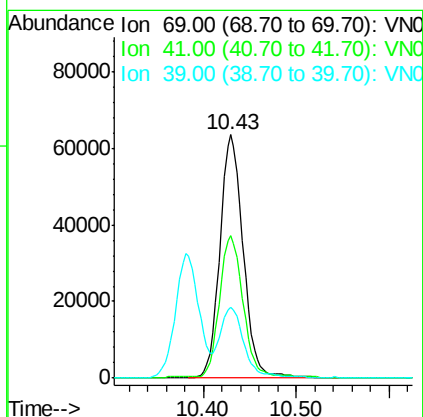
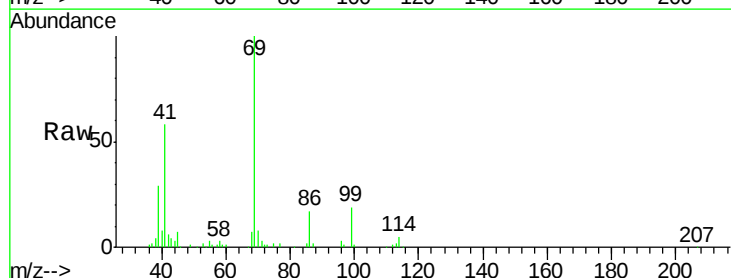
Manual Integrations
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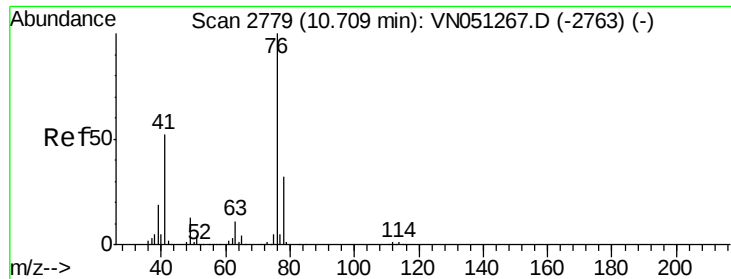
MMDadoda
 9/19/2018 4:57:49 PM



#56
 Ethyl methacrylate
 Concen: 16.47 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051266.D
 Acq: 17 Sep 2018 11:11

Tgt Ion	Ratio	Lower	Upper
69	100		
41	58.4	47.4	71.0
39	29.4	23.7	35.5





#57

1,3-Dichloropropane

Concen: 18.18 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051266.D

Acq: 17 Sep 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 171351

Ion Ratio Lower Upper

76 100

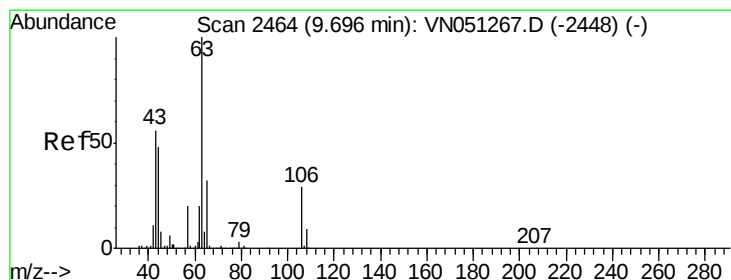
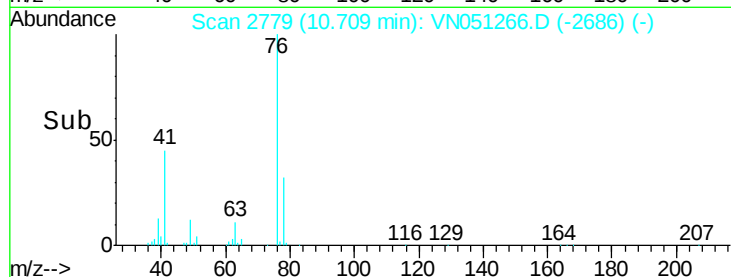
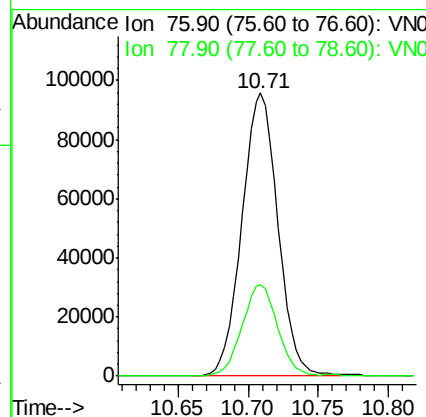
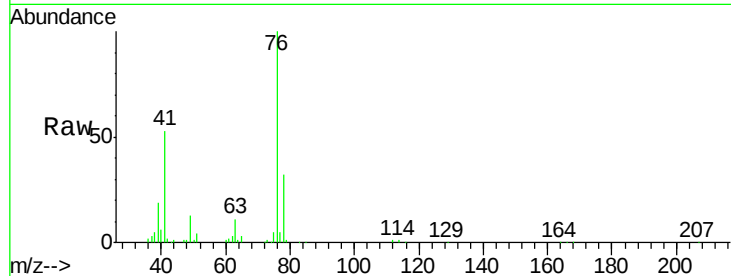
78 32.0 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 88.49 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051266.D

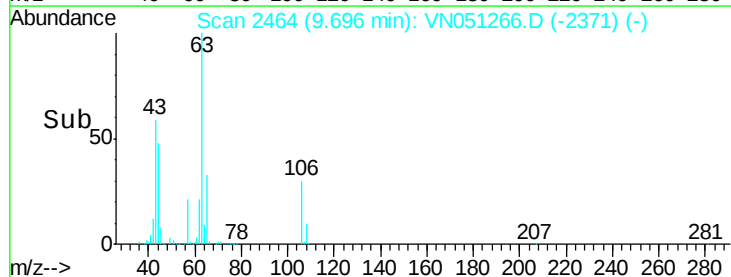
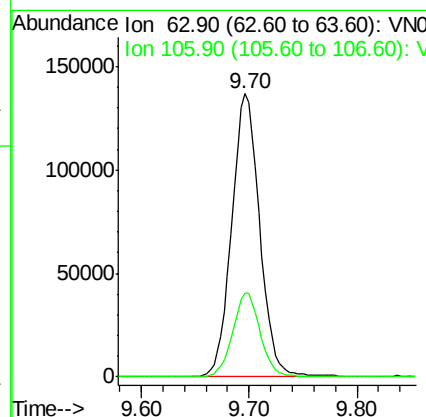
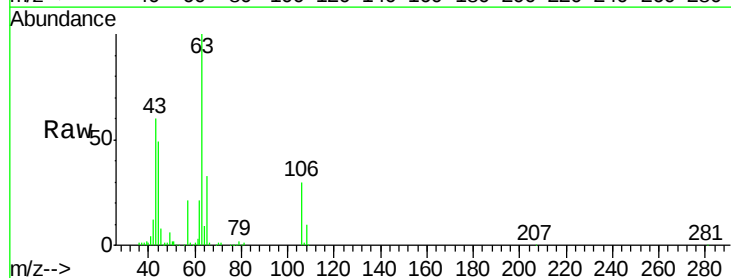
Acq: 17 Sep 2018 11:11

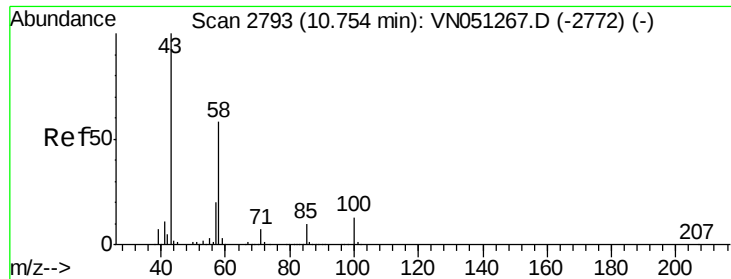
Tgt Ion: 63 Resp: 247529

Ion Ratio Lower Upper

63 100

106 29.3 23.4 35.2





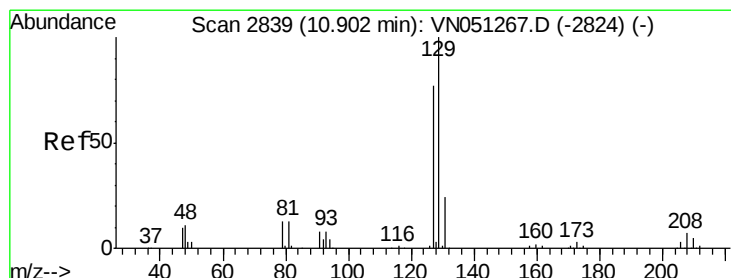
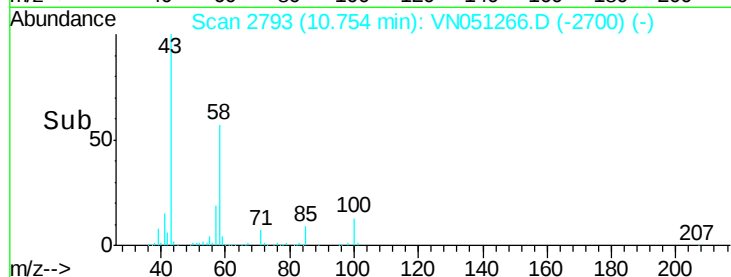
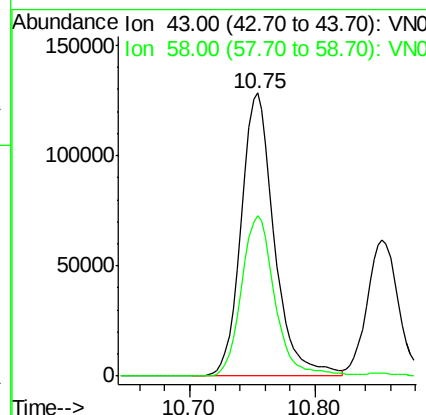
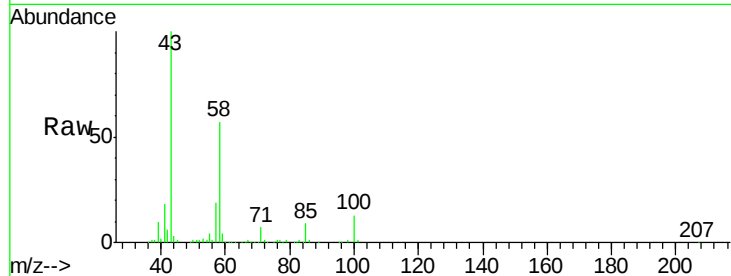
#59
2-Hexanone
Concen: 73.27 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	234441
Ion Ratio	Lower	Upper	
43	100		
58	57.4	28.9	86.8

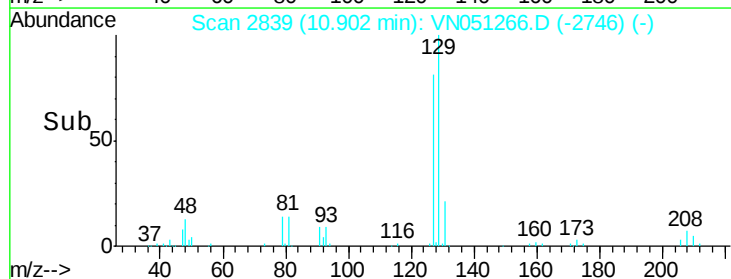
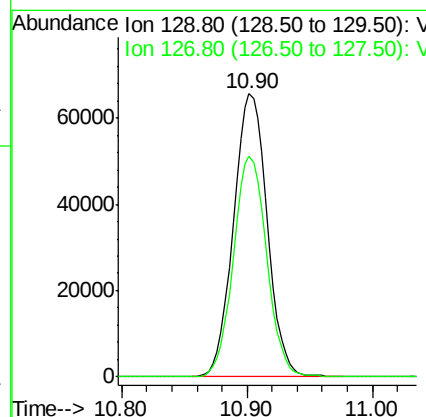
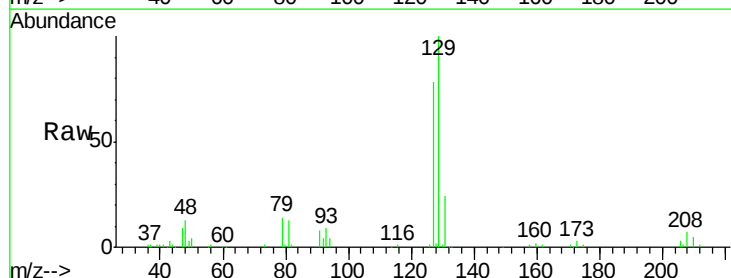
Manual Integrations
APPROVED

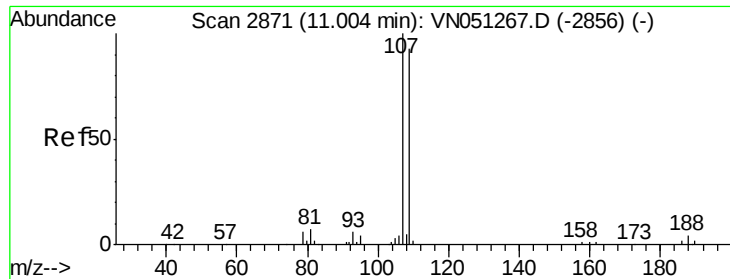
MMDadoda
9/19/2018 4:57:49 PM



#60
Dibromochloromethane
Concen: 18.91 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Tgt Ion	129	Resp	122430
Ion Ratio	Lower	Upper	
129	100		
127	76.9	38.3	114.9





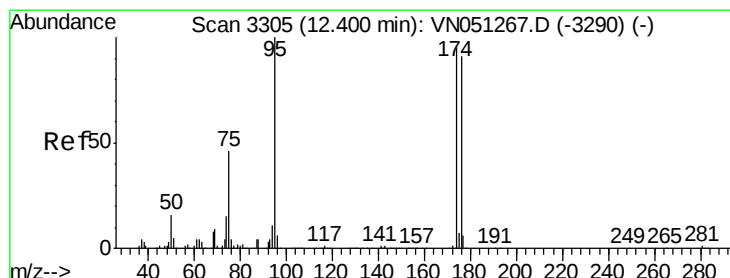
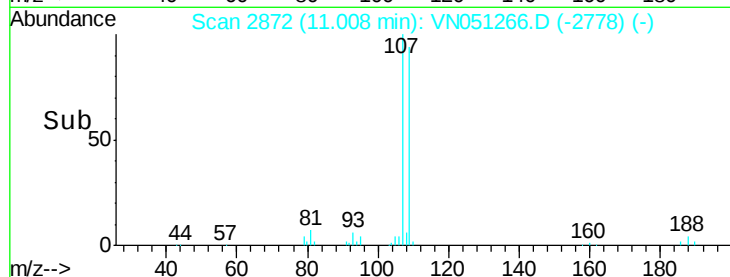
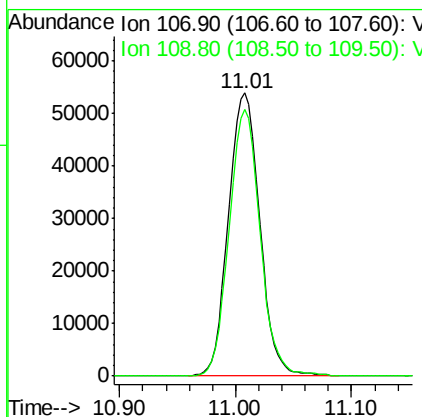
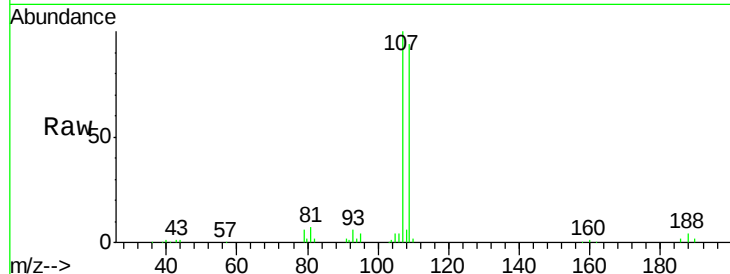
#61
 1,2-Dibromoethane
 Concen: 18.04 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051266.D
 Acq: 17 Sep 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 100625
 Ion Ratio Lower Upper
 107 100
 109 93.3 74.7 112.1

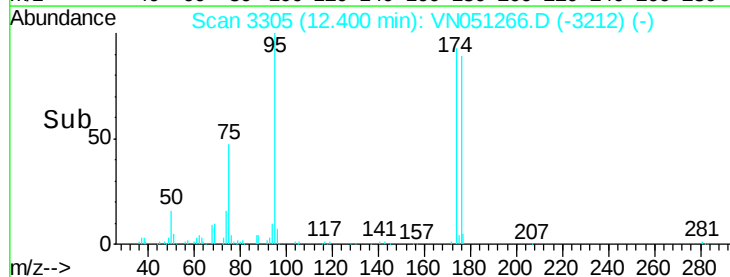
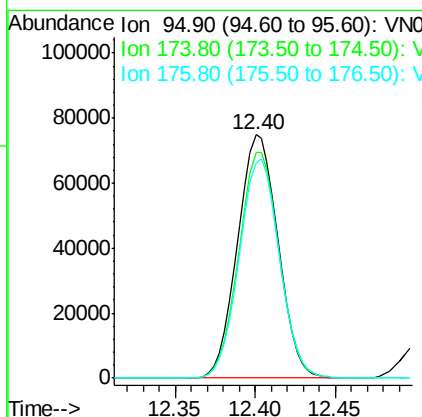
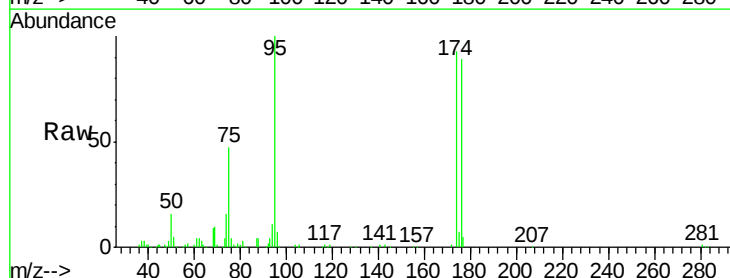
Manual Integrations
 APPROVED

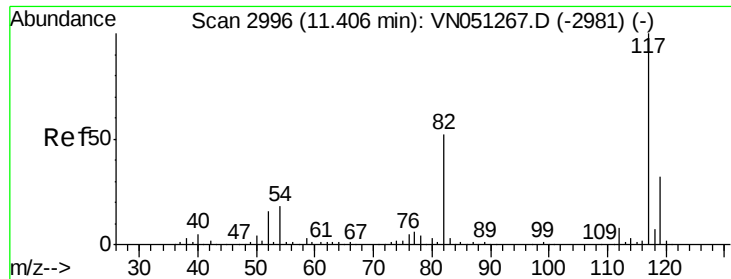
MMDadoda
 9/19/2018 4:57:49 PM



#62
 4-Bromofluorobenzene
 Concen: 17.62 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN051266.D
 Acq: 17 Sep 2018 11:11

Tgt Ion: 95 Resp: 128741
 Ion Ratio Lower Upper
 95 100
 174 92.7 0.0 189.6
 176 89.7 0.0 182.6





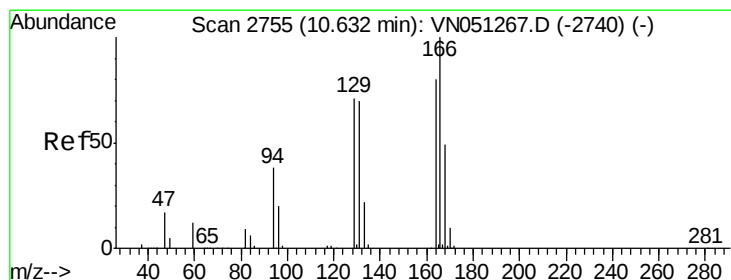
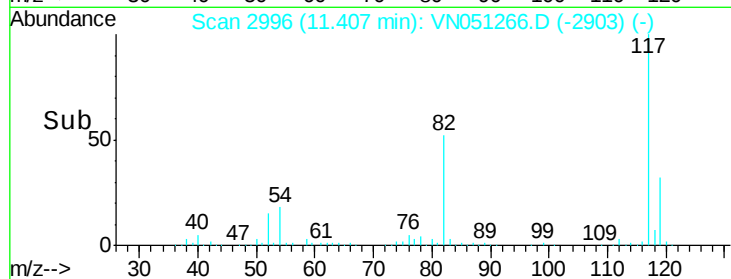
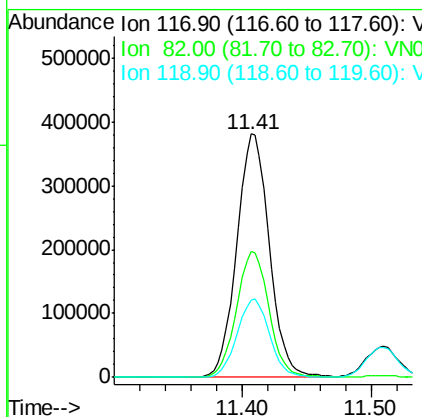
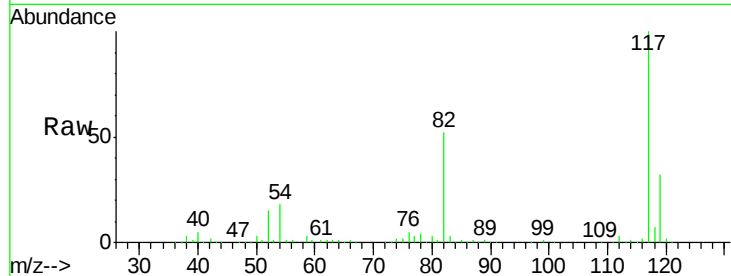
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	41.8	62.8
119	31.8	25.6	38.4

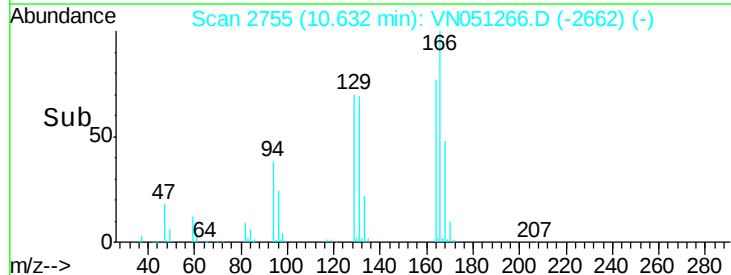
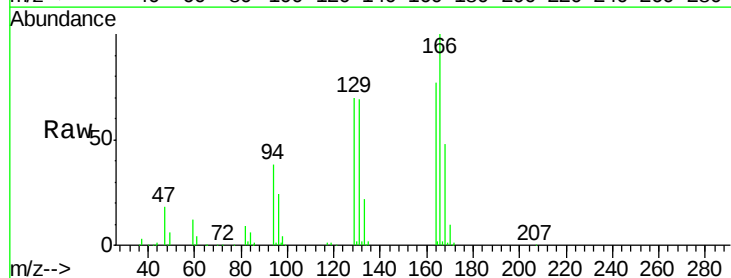
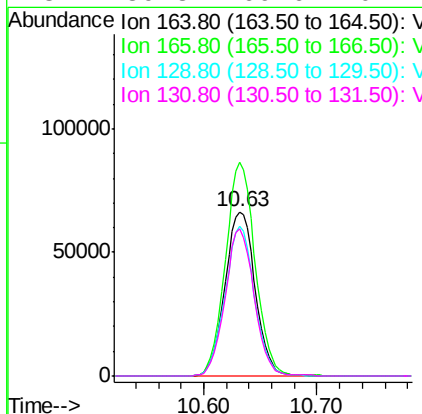
Manual Integrations
APPROVED

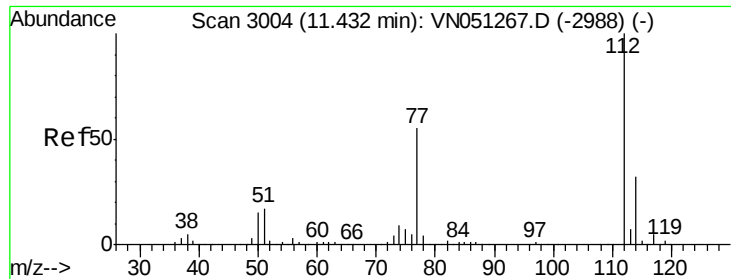
MMDadoda
9/19/2018 4:57:49 PM



#64
Tetrachloroethene
Concen: 19.92 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	100.0	150.0
129	91.4	70.8	106.2
131	89.3	69.6	104.4





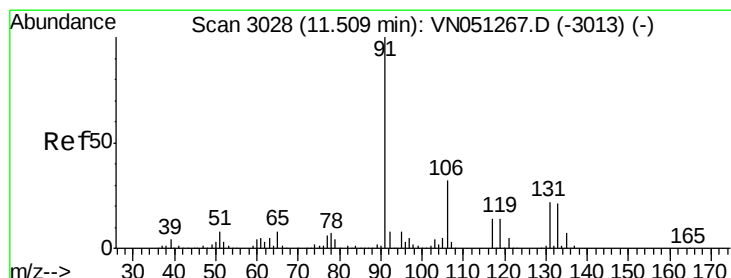
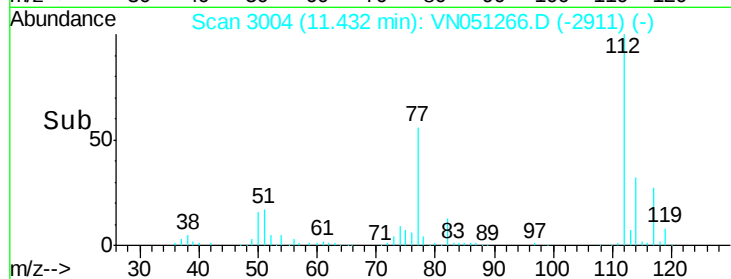
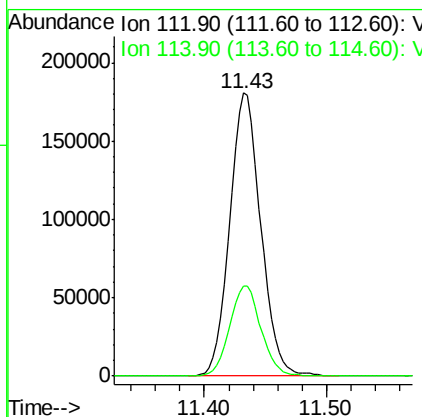
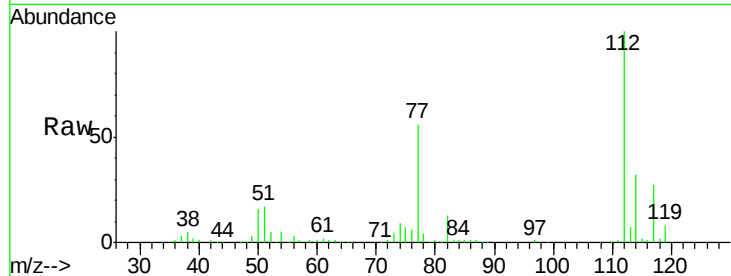
#65
Chlorobenzene
Concen: 18.82 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 320134
Ion Ratio Lower Upper
112 100
114 31.9 25.9 38.9

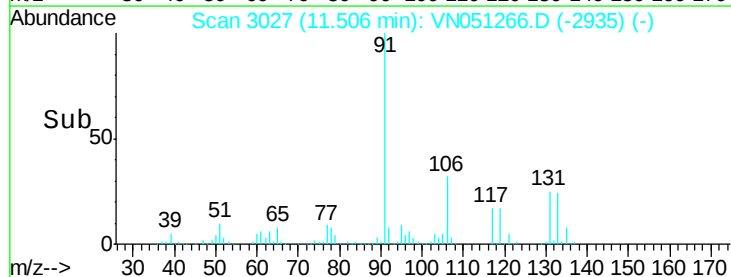
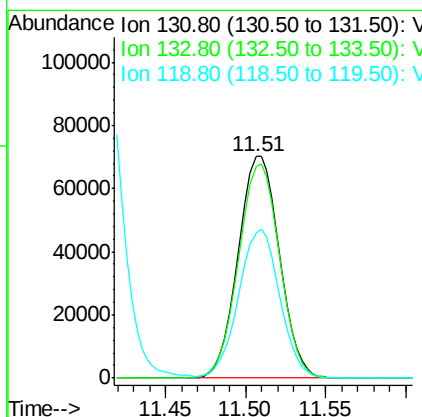
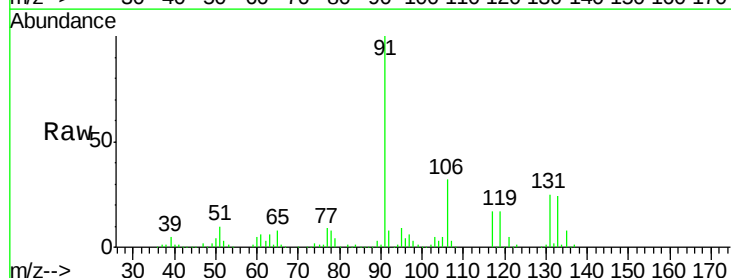
Manual Integrations
APPROVED

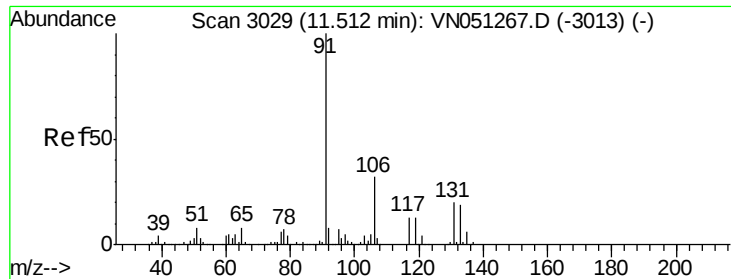
MMDadoda
9/19/2018 4:57:49 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.06 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Tgt Ion:131 Resp: 123671
Ion Ratio Lower Upper
131 100
133 96.2 47.9 143.7
119 66.7 32.6 98.0





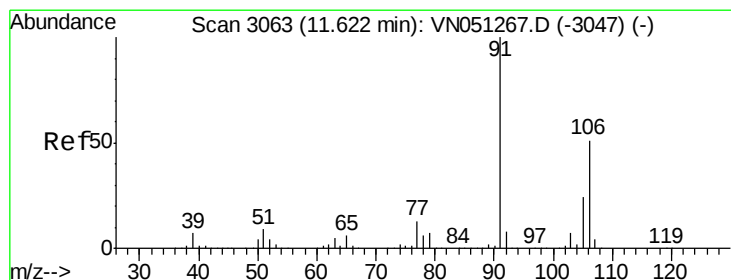
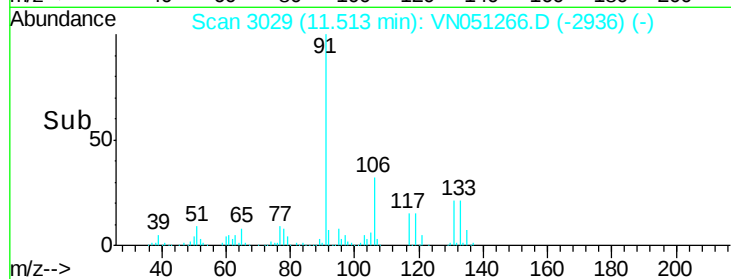
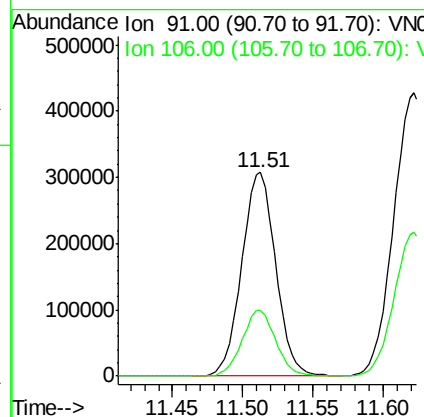
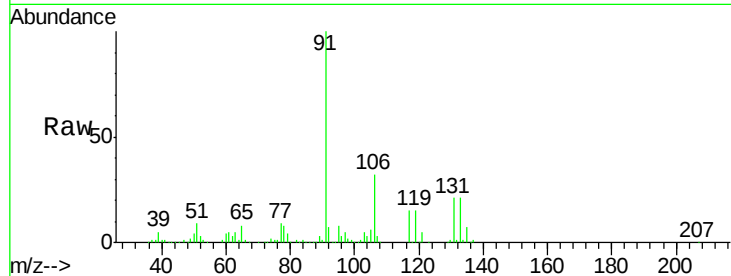
#67
Ethyl Benzene
Concen: 18.87 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.7	38.5

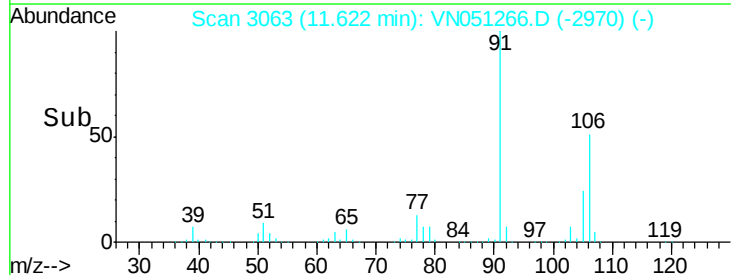
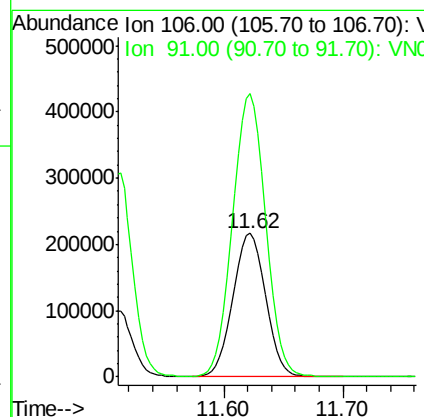
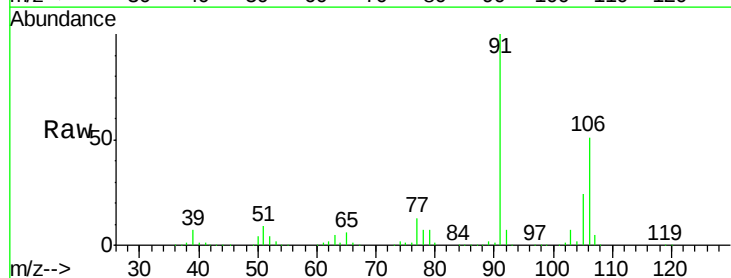
Manual Integrations
APPROVED

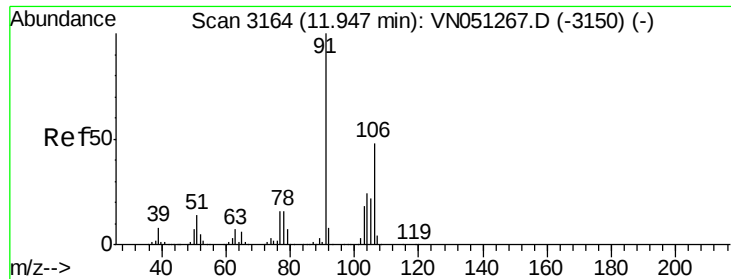
MMDadoda
9/19/2018 4:57:49 PM



#68
m/p-Xylenes
Concen: 39.24 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.8	158.6	238.0





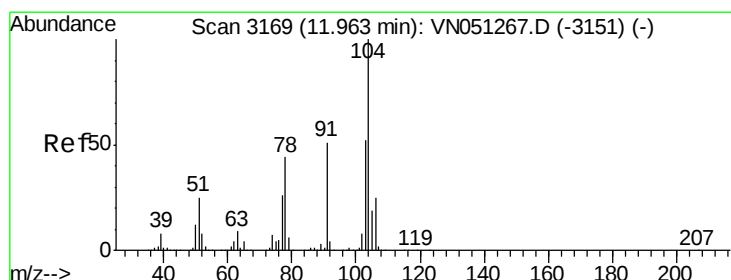
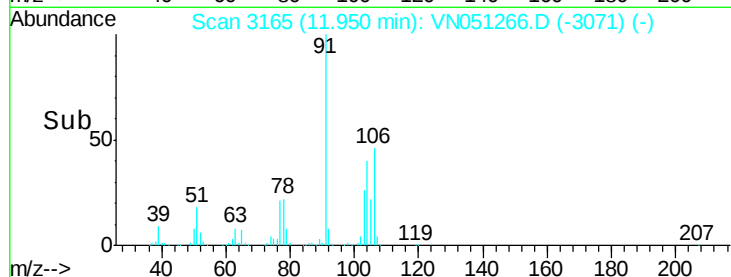
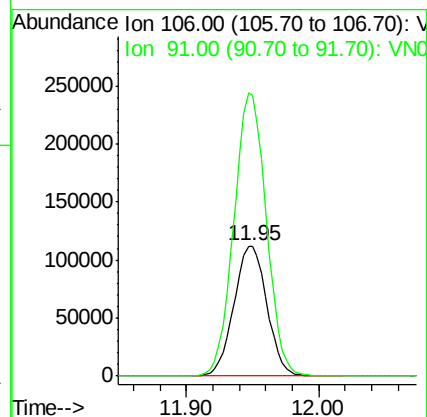
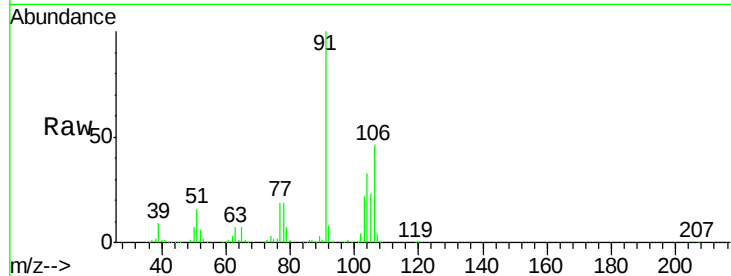
#69
o-Xylene
Concen: 18.86 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	193555		
91	91	213.8	104.1	312.3	

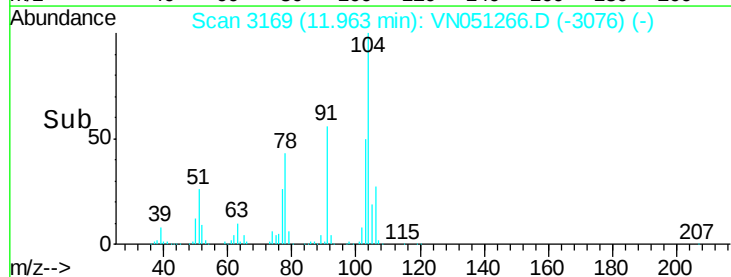
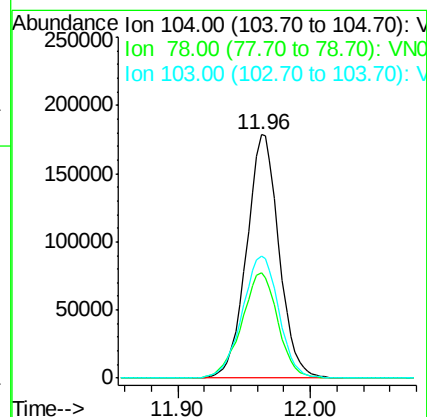
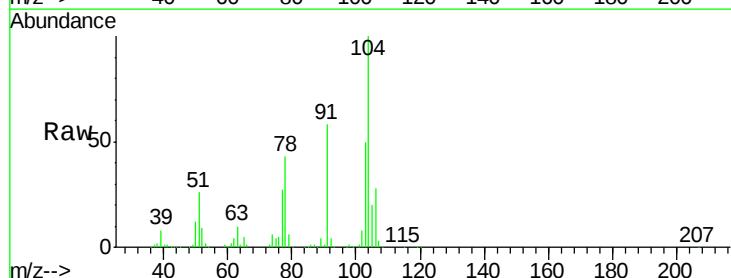
Manual Integrations
APPROVED

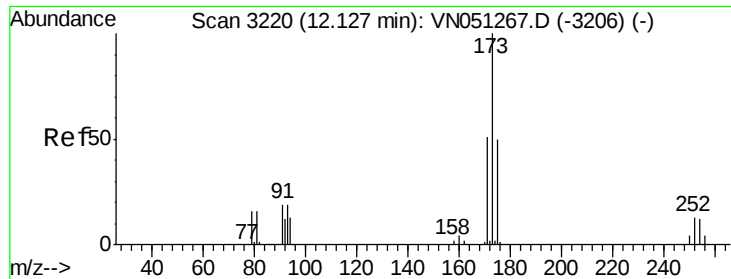
MMDadoda
9/19/2018 4:57:49 PM



#70
Styrene
Concen: 19.08 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	303336		
78	78	48.2	38.1	57.1	
103	103	56.9	44.8	67.2	





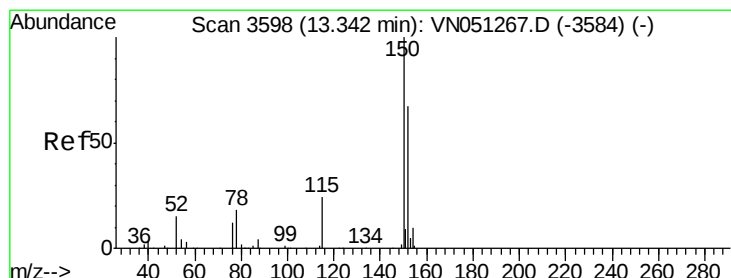
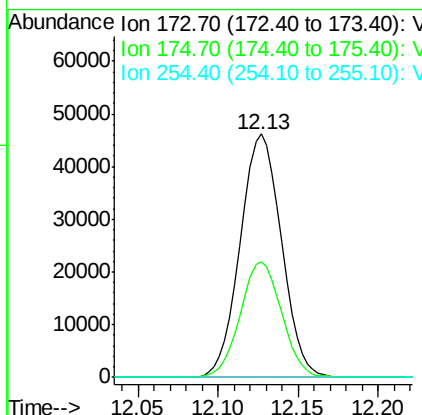
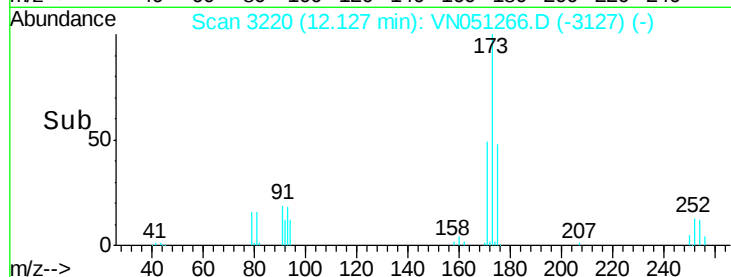
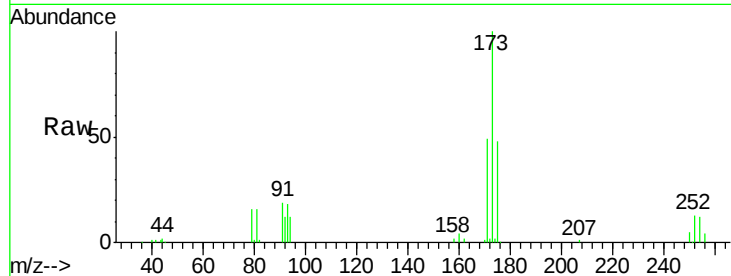
#71
Bromoform
Concen: 18.85 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.4	73.2
254	0.0	0.1	0.1#

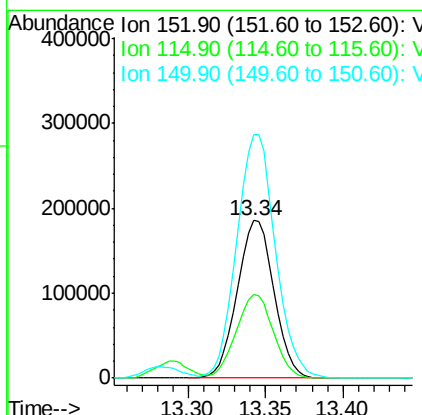
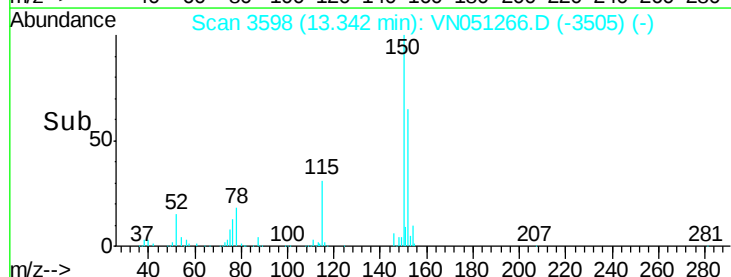
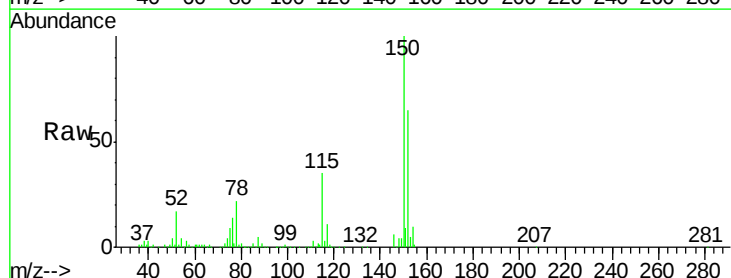
Manual Integrations
APPROVED

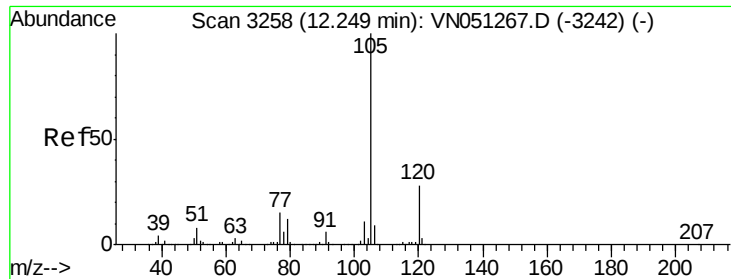
MMDadoda
9/19/2018 4:57:49 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.6	27.1	81.2
150	162.6	0.0	349.0





#73

Isopropylbenzene

Concen: 19.90 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051266.D

Acq: 17 Sep 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 513765

Ion Ratio Lower Upper

105 100

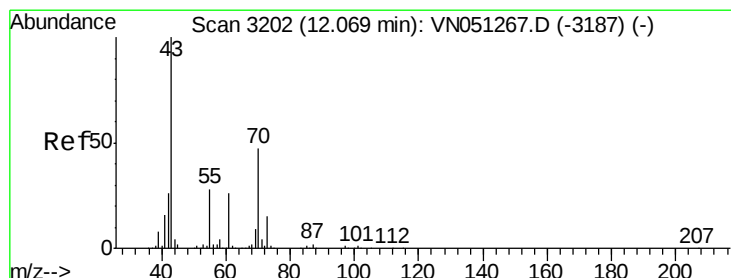
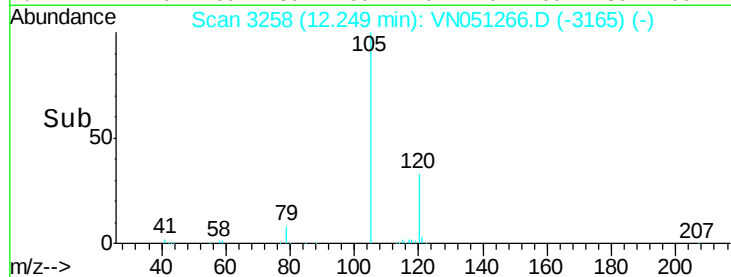
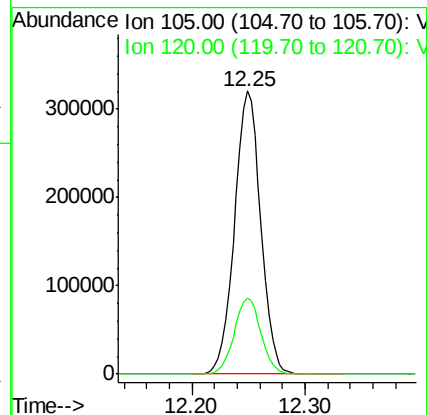
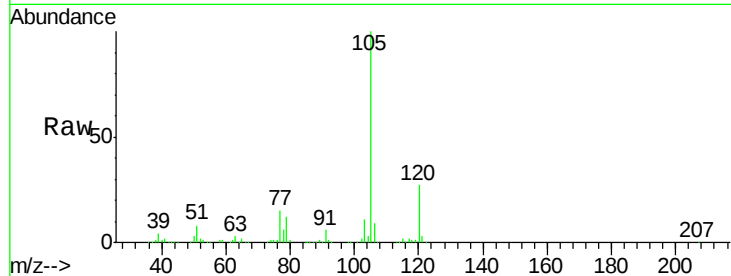
120 27.5 13.8 41.4

Manual Integrations

APPROVED

MMDadoda

9/19/2018 4:57:49 PM



#74

N-ethyl acetate

Concen: 14.78 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051266.D

Acq: 17 Sep 2018 11:11

Tgt Ion: 43 Resp: 93648

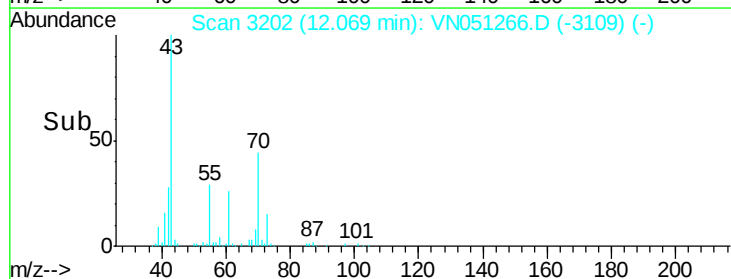
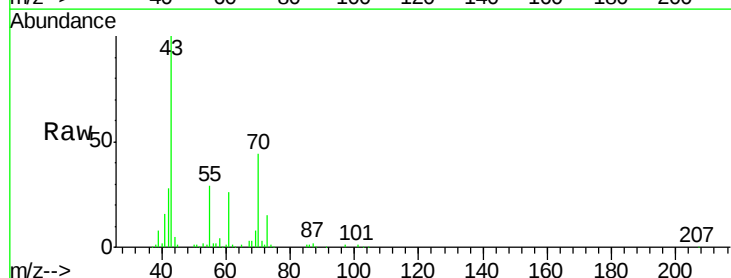
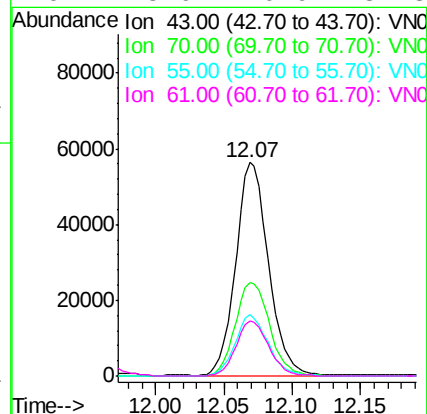
Ion Ratio Lower Upper

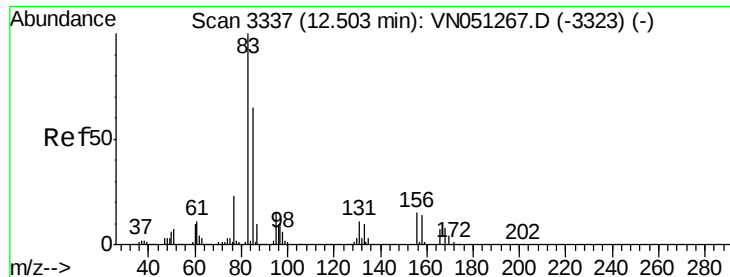
43 100

70 46.0 37.8 56.6

55 28.9 22.6 34.0

61 25.9 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 17.60 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051266.D

Acq: 17 Sep 2018 11:11

Instrument :

MSVOA_N

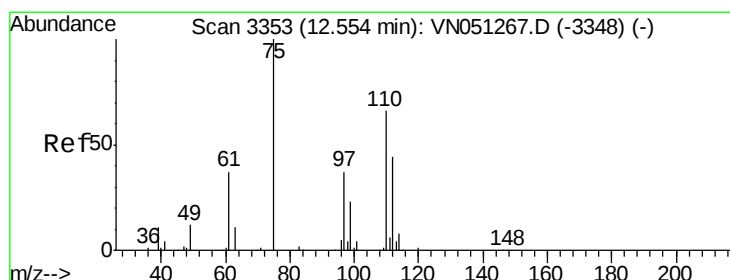
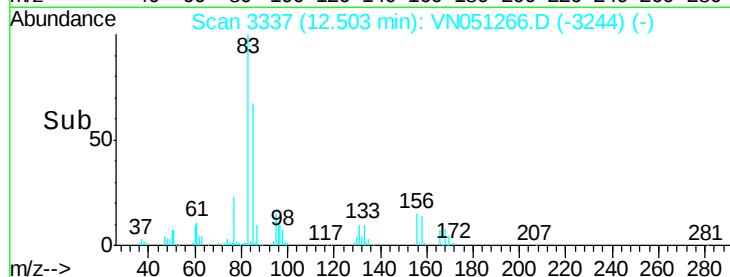
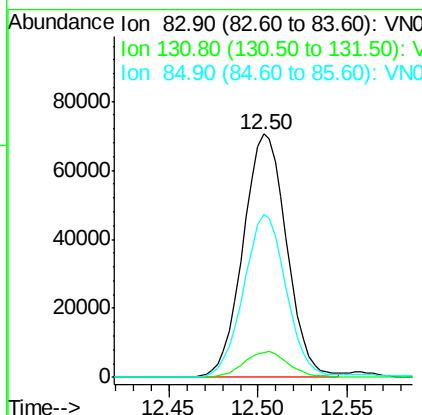
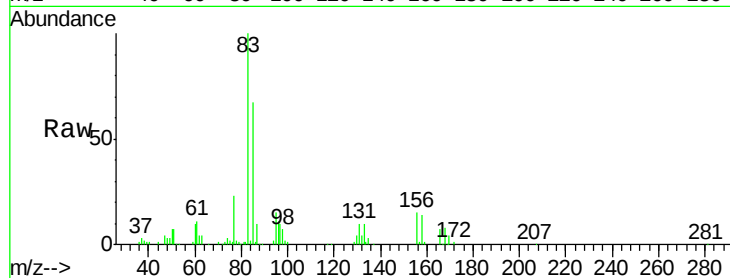
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	120093
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.7
85	65.5	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 18.84 ug/l m

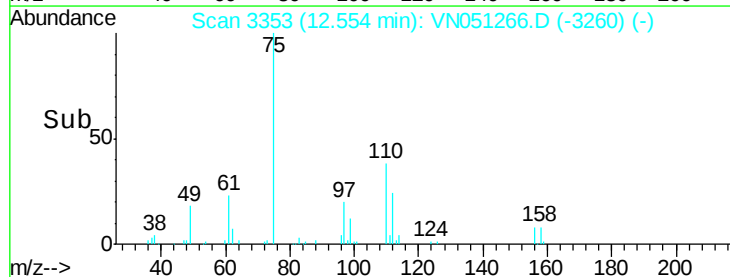
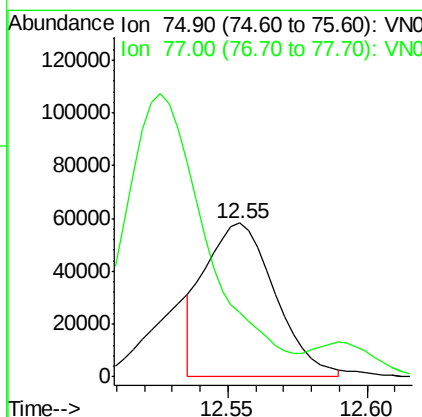
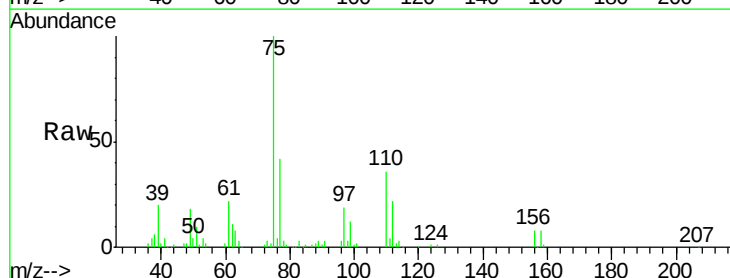
RT: 12.55 min Scan# 3353

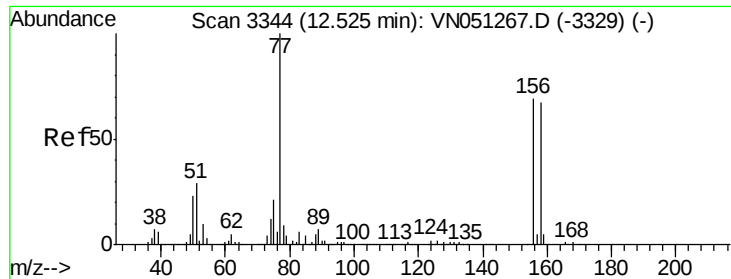
Delta R.T. 0.00 min

Lab File: VN051266.D

Acq: 17 Sep 2018 11:11

Tgt Ion:	75	Resp:	103327
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.88 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051266.D

Acq: 17 Sep 2018 11:11

Instrument :

MSVOA_N

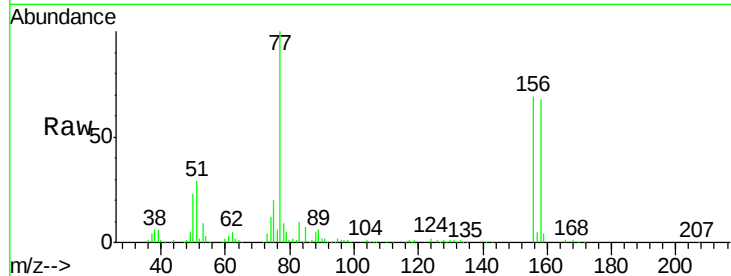
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	131256
Ion Ratio	Lower	Upper	
156	100		
77	169.6	83.7	251.1
158	98.8	49.0	147.2

Manual Integrations
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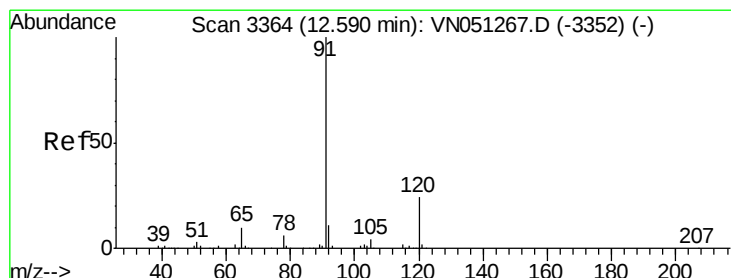
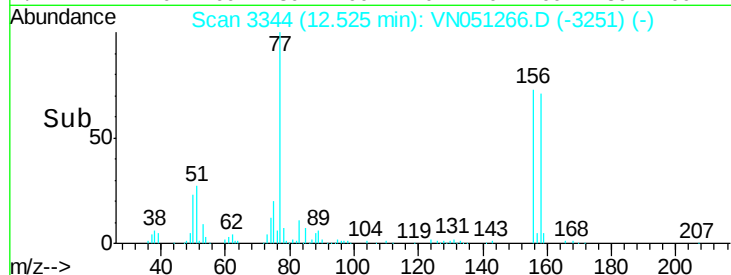
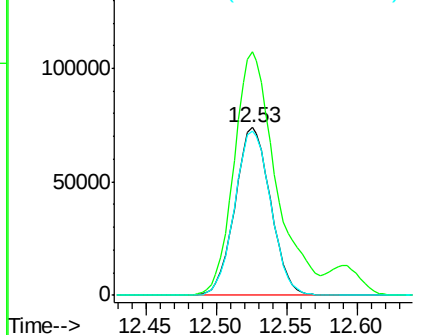
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.33 ug/l

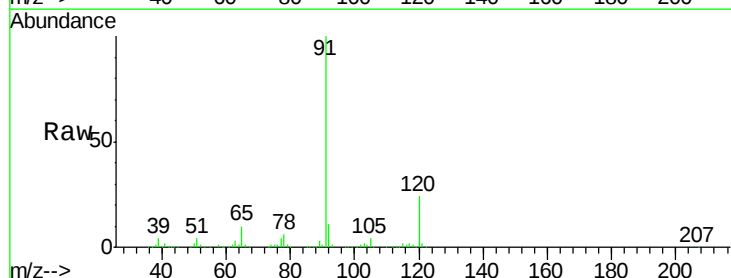
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051266.D

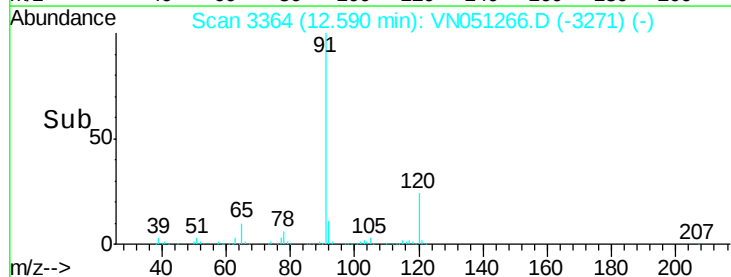
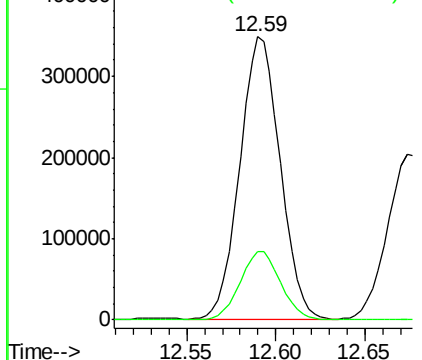
Acq: 17 Sep 2018 11:11

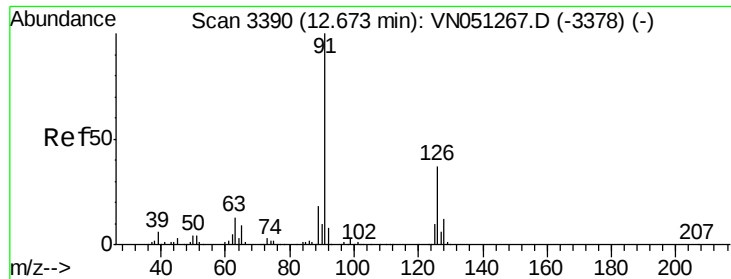
Tgt Ion:	91	Resp:	548523
Ion Ratio	Lower	Upper	
91	100		
120	24.3	12.1	36.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.40 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051266.D

Acq: 17 Sep 2018 11:11

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 344062

Ion Ratio Lower Upper

91 100

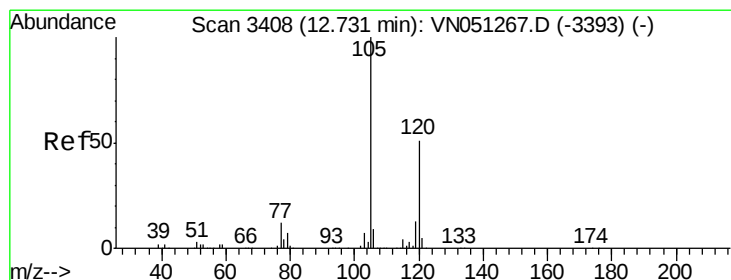
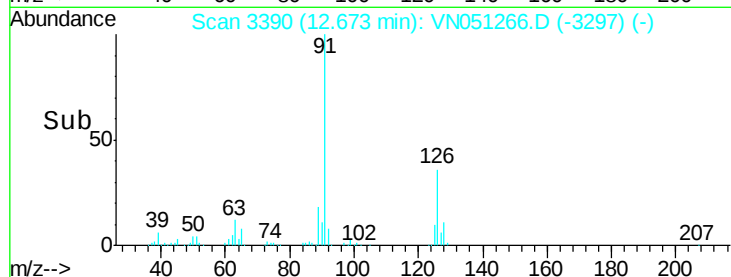
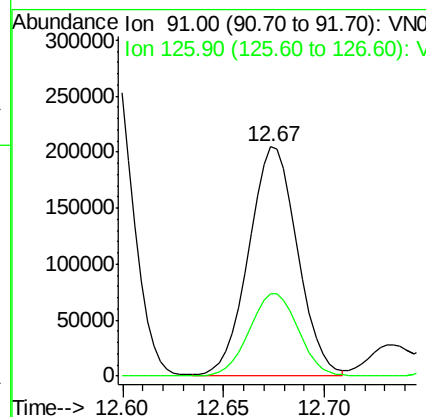
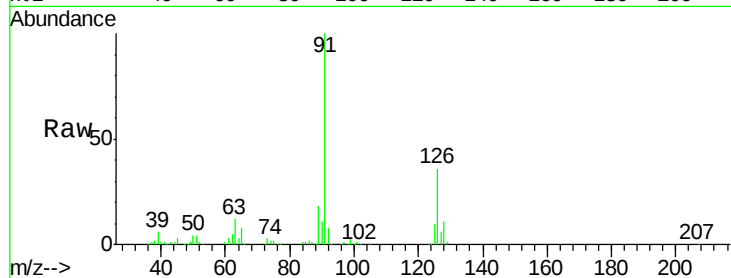
126 36.4 18.2 54.6

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#80

1,3,5-Trimethylbenzene

Concen: 20.04 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051266.D

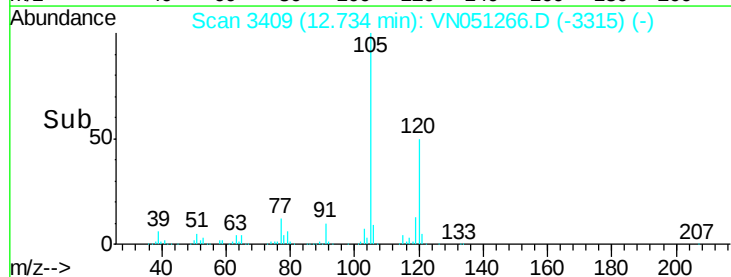
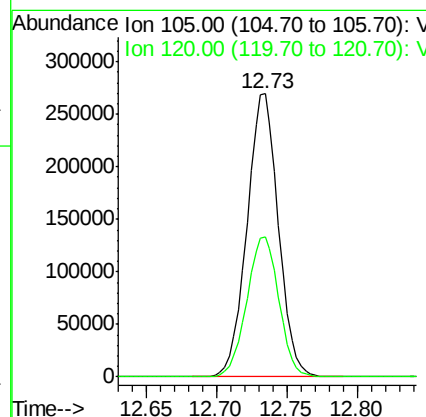
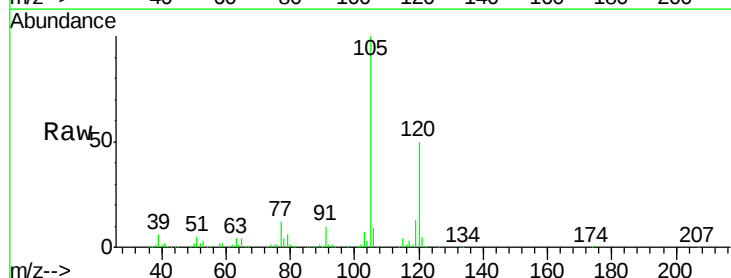
Acq: 17 Sep 2018 11:11

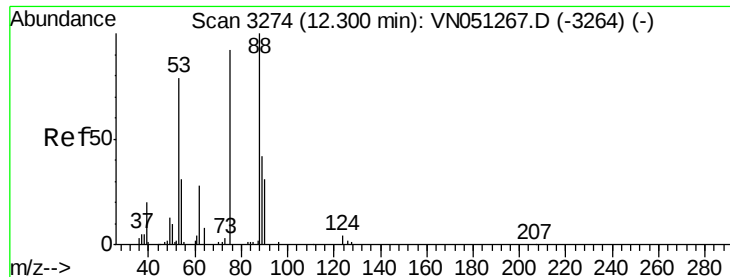
Tgt Ion: 105 Resp: 418952

Ion Ratio Lower Upper

105 100

120 50.6 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.57 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051266.D

Acq: 17 Sep 2018 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 26379

Ion Ratio Lower Upper

75 100

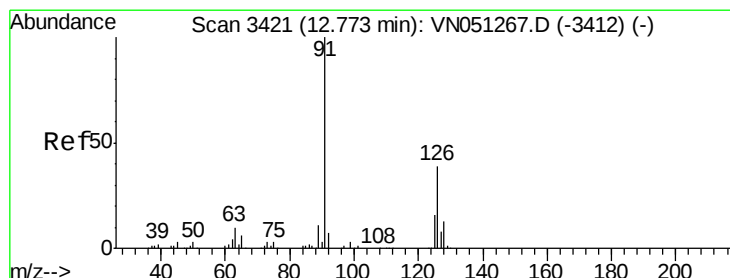
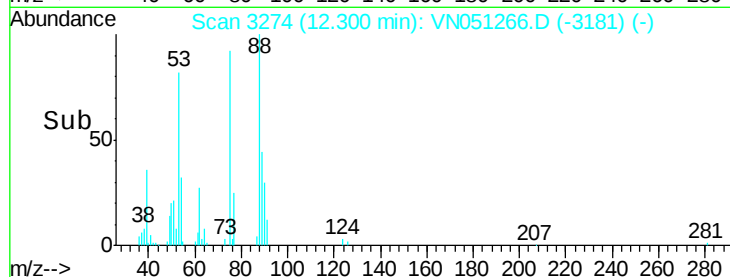
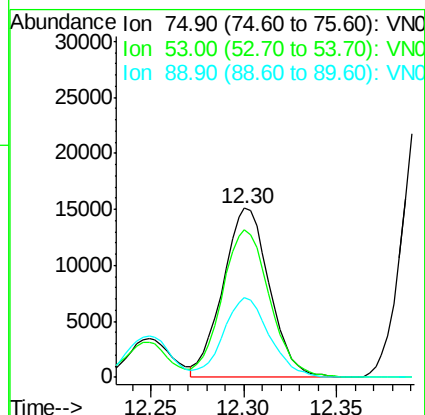
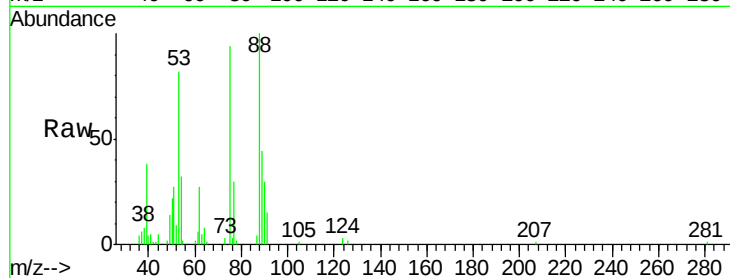
53 89.0 67.7 101.5

89 46.6 36.9 55.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.03 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051266.D

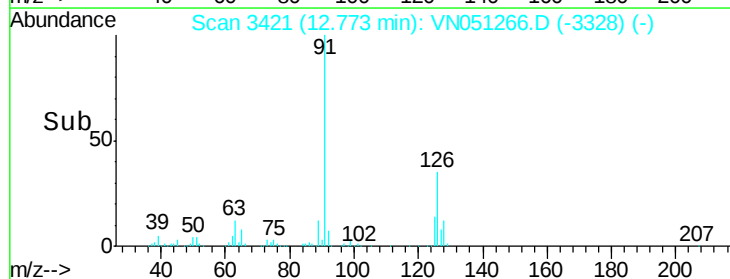
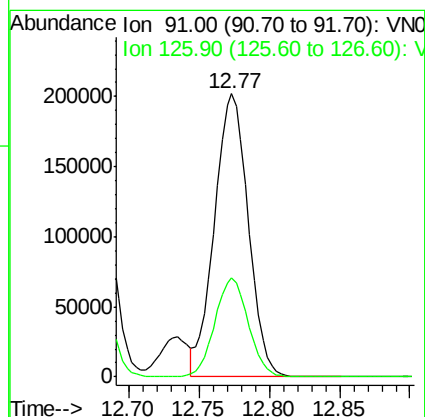
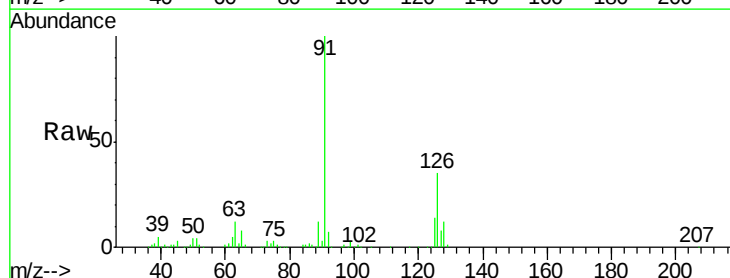
Acq: 17 Sep 2018 11:11

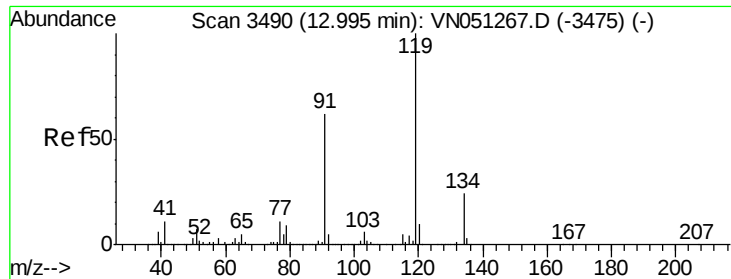
Tgt Ion: 91 Resp: 334439

Ion Ratio Lower Upper

91 100

126 34.7 17.9 53.8





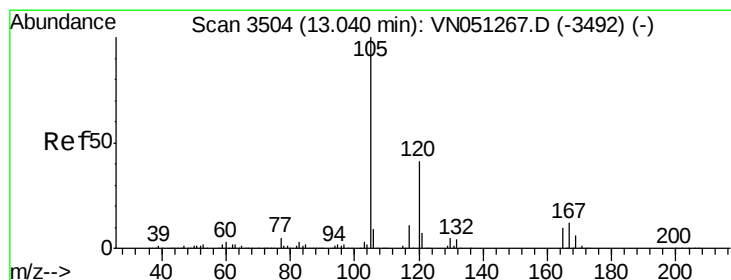
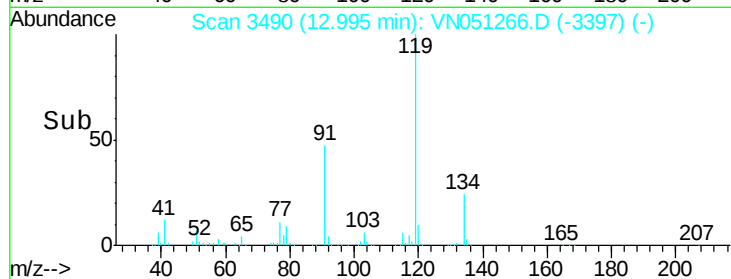
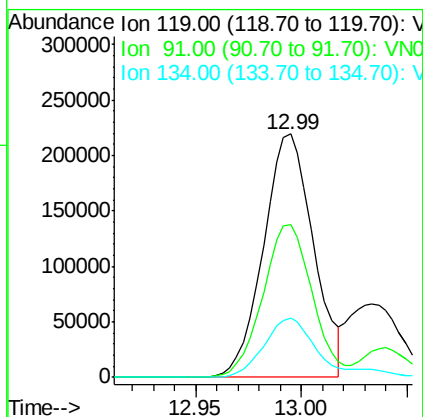
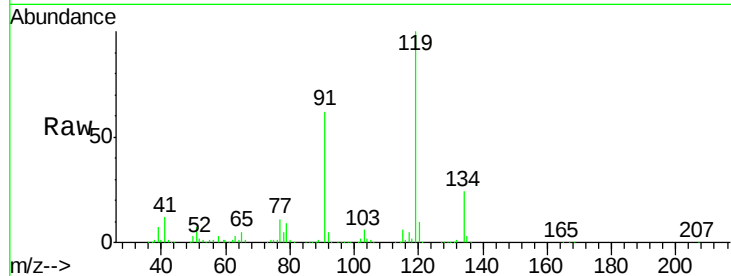
#83
 tert-Butylbenzene
 Concen: 19.63 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051266.D
 Acq: 17 Sep 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.7	30.8	92.4
134	24.5	12.4	37.0

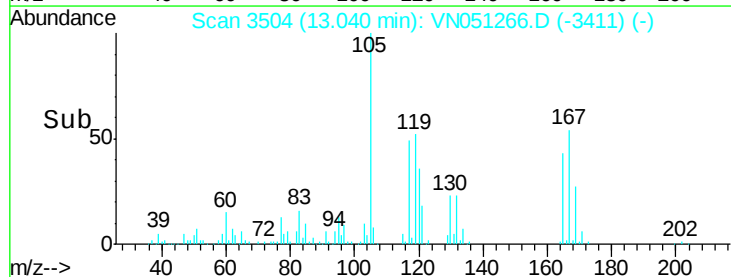
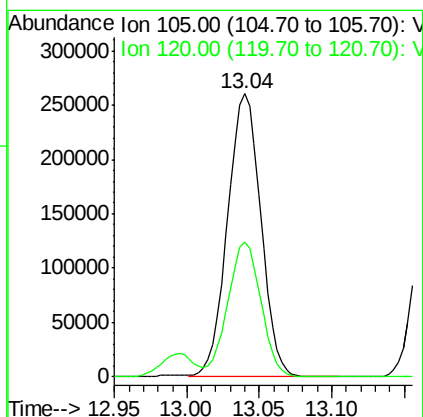
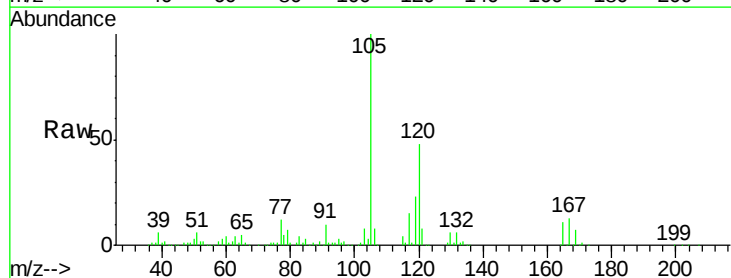
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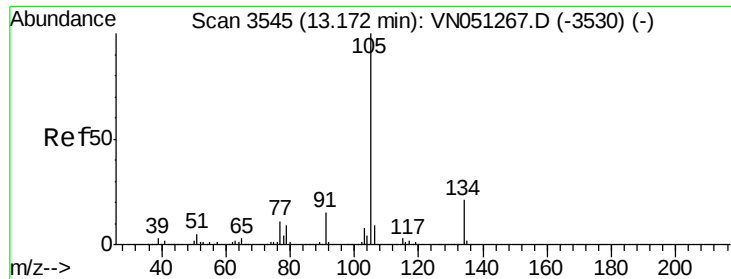
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.22 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051266.D
 Acq: 17 Sep 2018 11:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.5	70.6





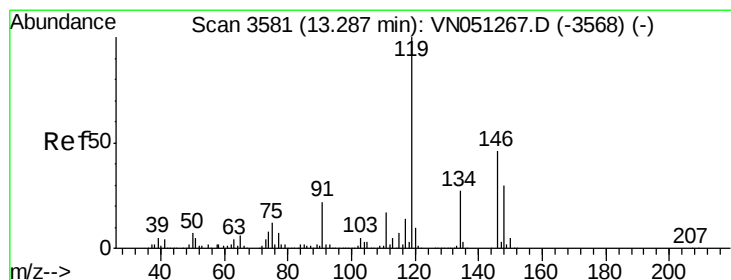
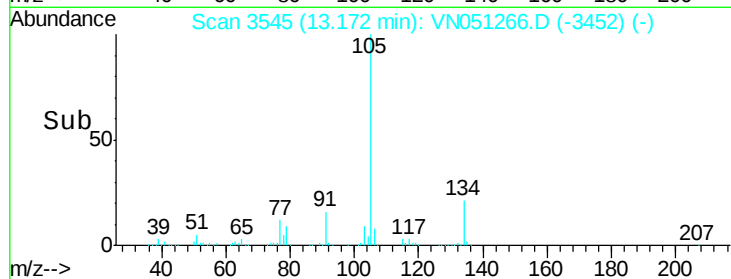
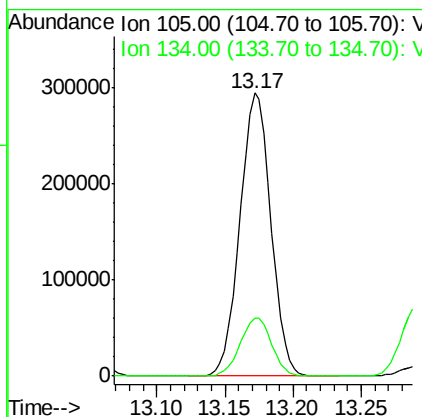
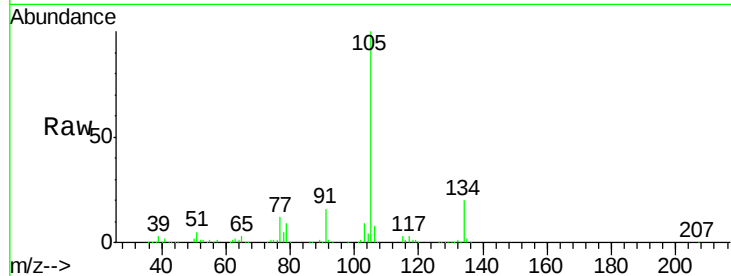
#85
 sec-Butylbenzene
 Concen: 19.52 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051266.D
 Acq: 17 Sep 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.5	31.6

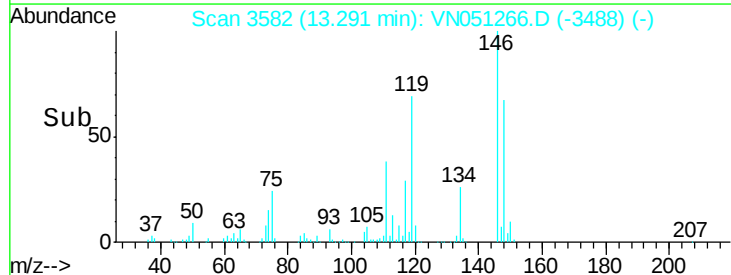
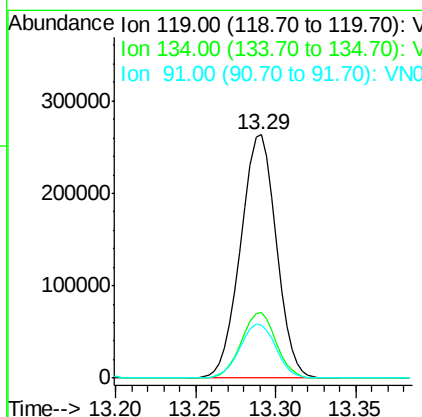
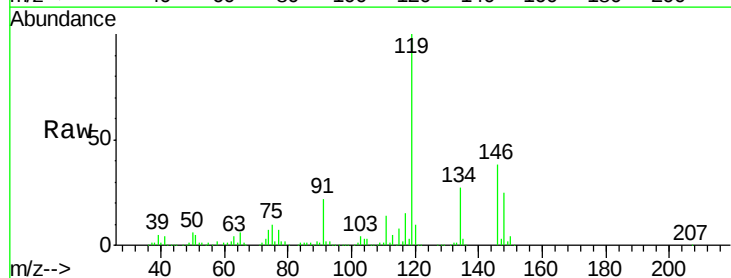
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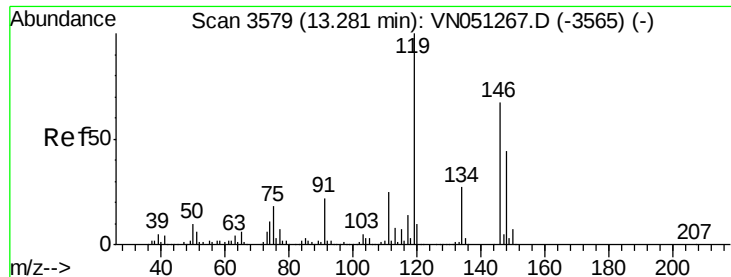
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#86
 p-Isopropyltoluene
 Concen: 19.96 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051266.D
 Acq: 17 Sep 2018 11:11

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.5	40.5
91	22.2	11.1	33.1





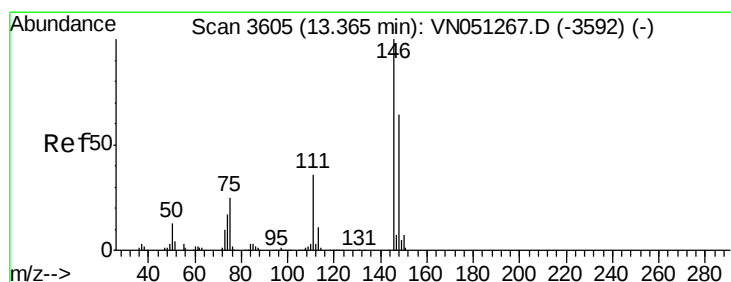
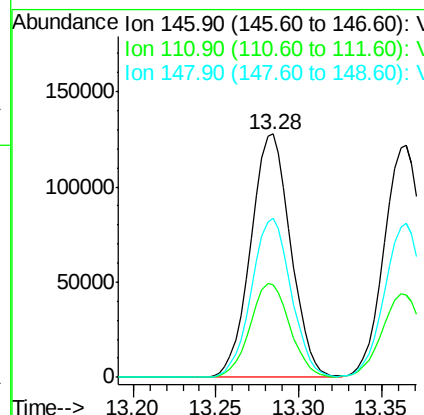
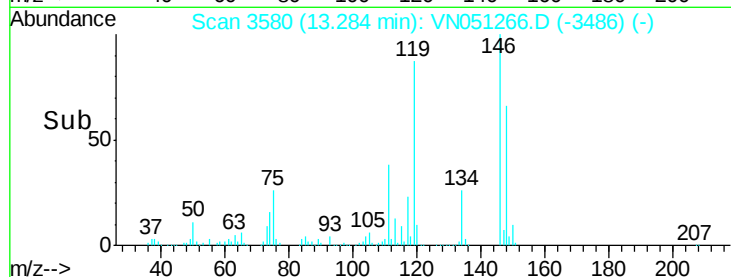
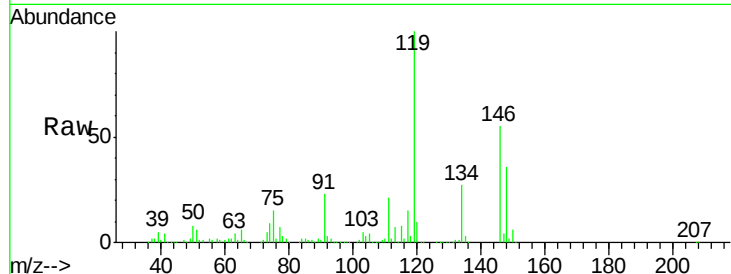
#87
 1,3-Dichlorobenzene
 Concen: 18.15 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051266.D
 Acq: 17 Sep 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.7	56.1
148	64.9	32.2	96.6

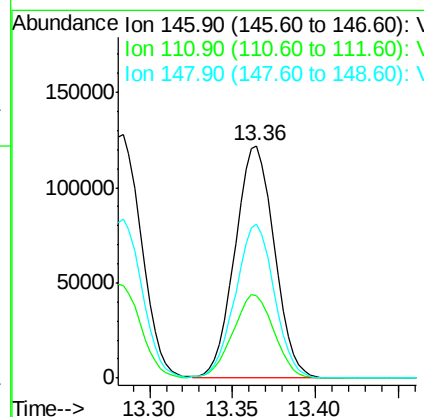
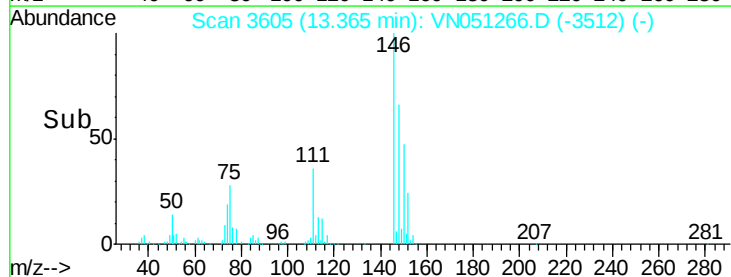
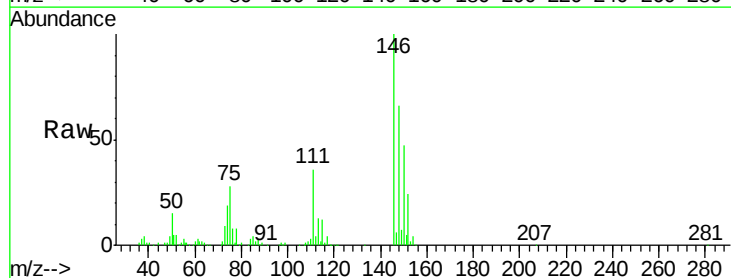
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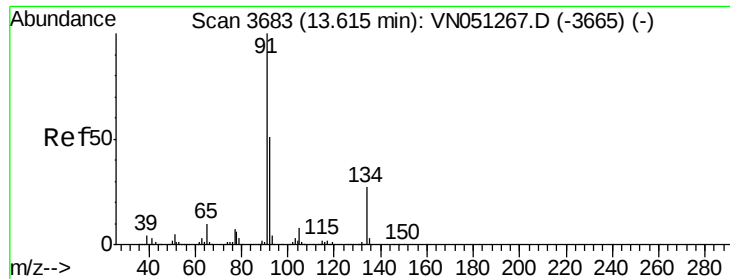
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#88
 1,4-Dichlorobenzene
 Concen: 17.45 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051266.D
 Acq: 17 Sep 2018 11:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.2	54.6
148	65.6	31.9	95.7





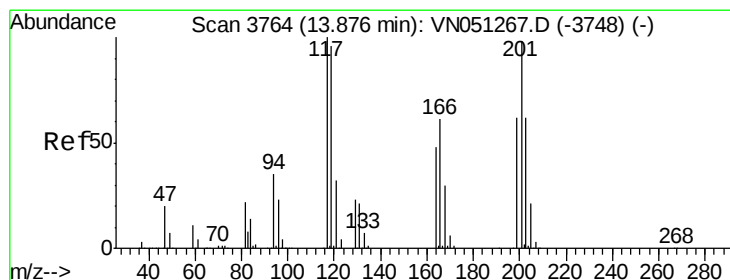
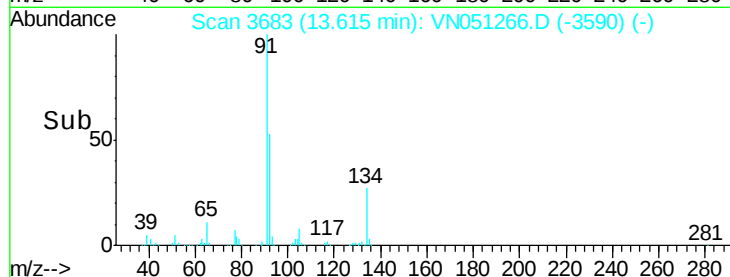
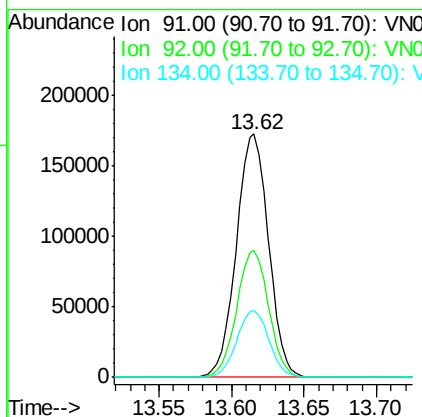
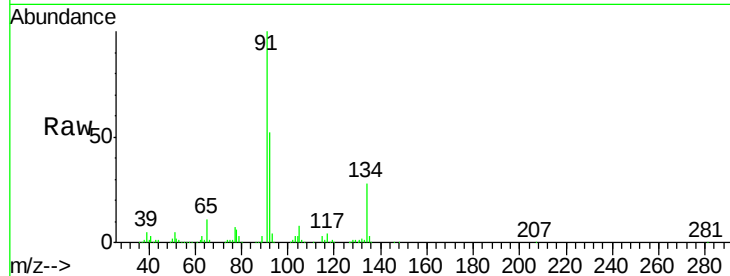
#89
n-Butylbenzene
Concen: 17.14 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.8	77.4
134	27.6	13.7	41.0

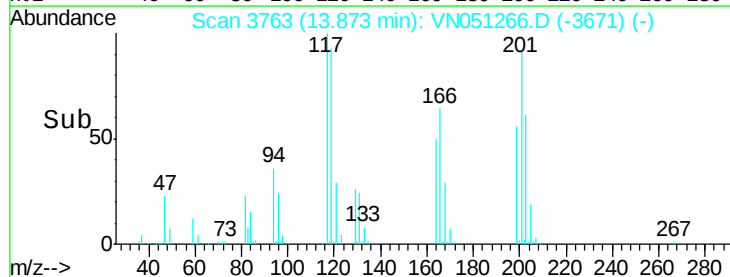
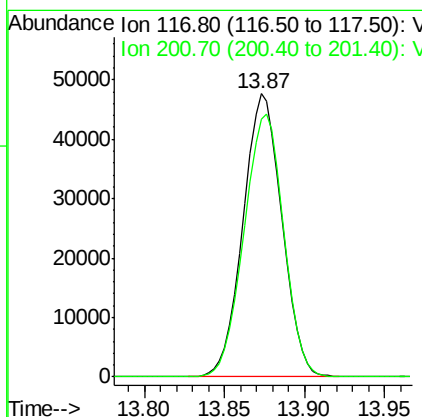
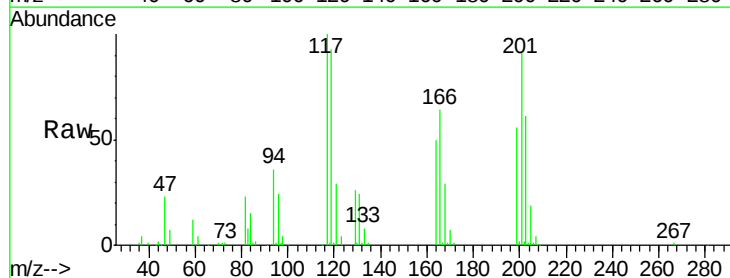
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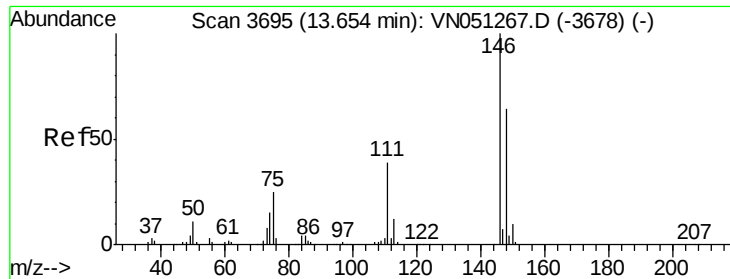
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#90
Hexachloroethane
Concen: 19.13 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051266.D
Acq: 17 Sep 2018 11:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.8	48.4	145.3





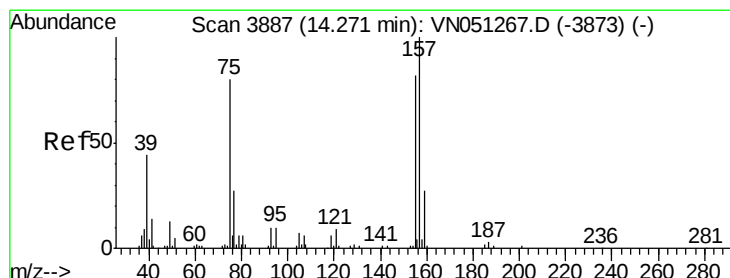
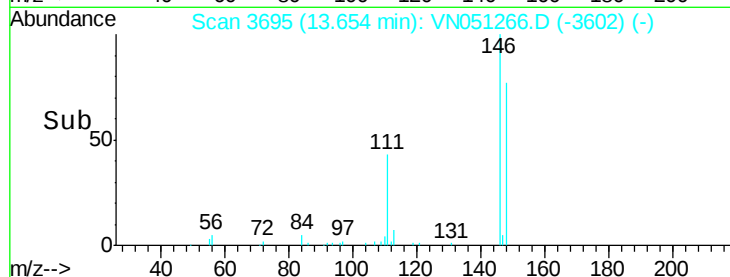
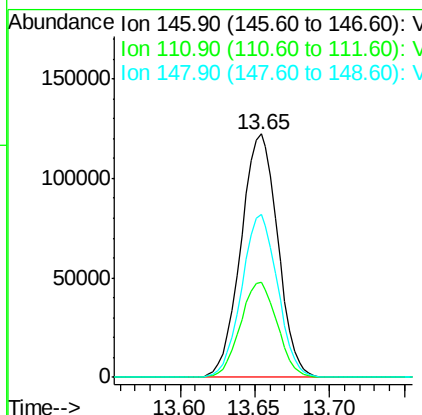
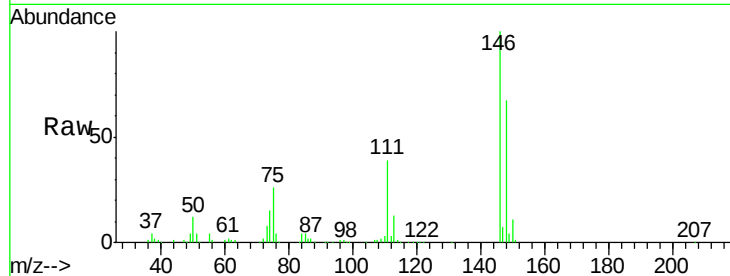
#91
 1,2-Dichlorobenzene
 Concen: 18.35 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051266.D
 Acq: 17 Sep 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.6	58.7
148	65.0	31.9	95.9

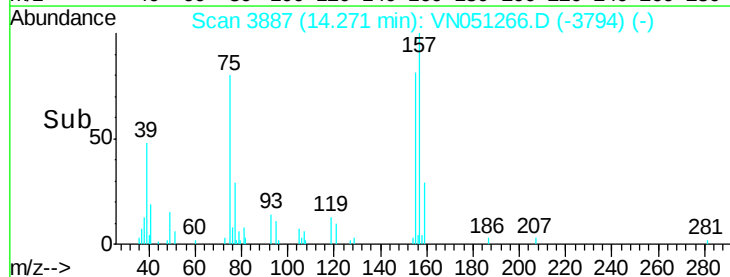
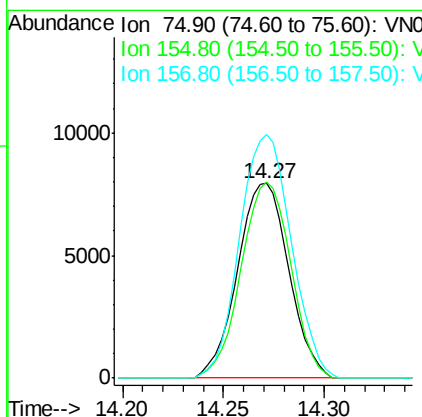
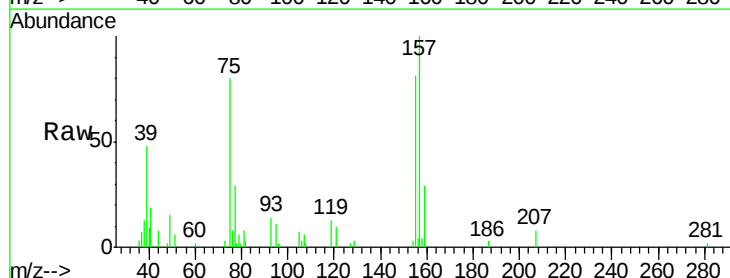
Manual Integrations
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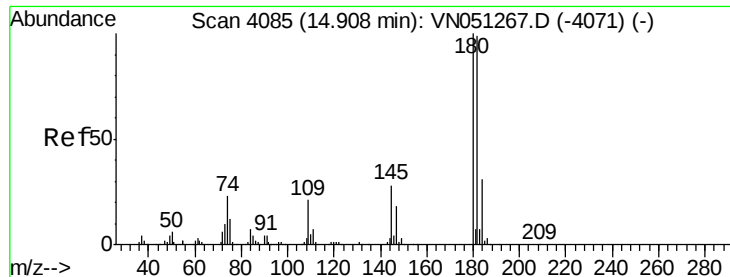
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 14.30 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051266.D
 Acq: 17 Sep 2018 11:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.6	50.2	150.7
157	126.3	62.9	188.7





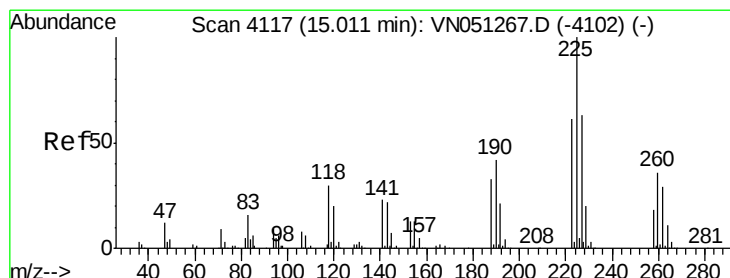
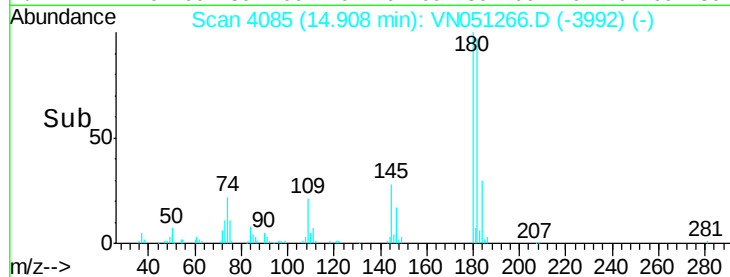
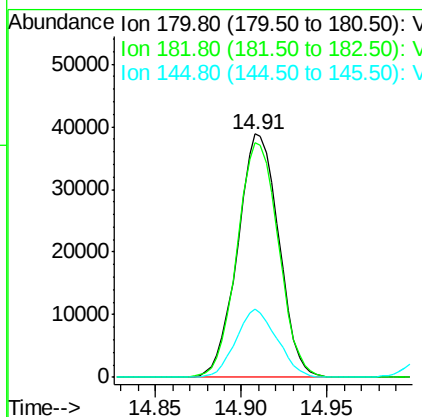
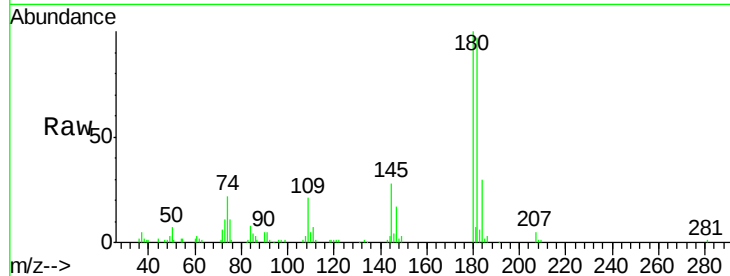
#93
 1,2,4-Trichlorobenzene
 Concen: 13.31 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051266.D
 Acq: 17 Sep 2018 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	48.5	145.6
145	27.9	14.0	41.9

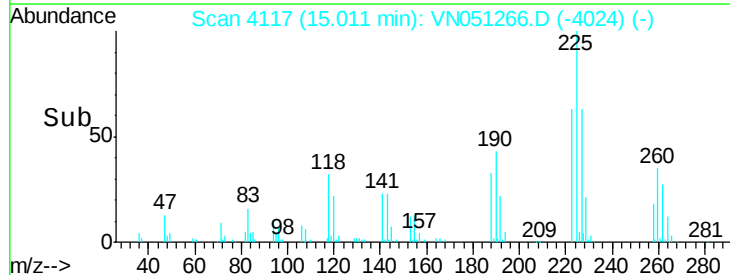
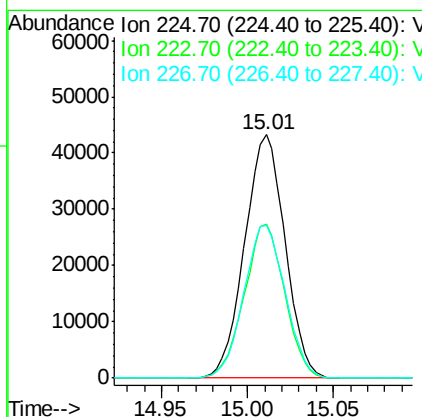
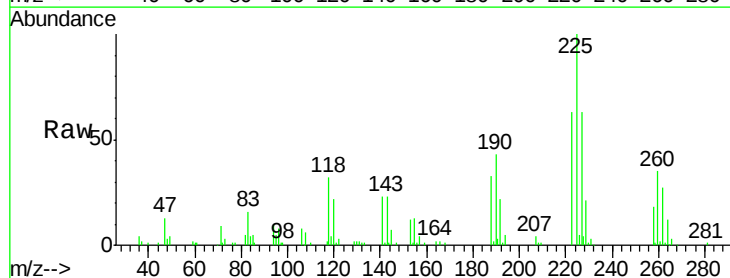
Manual Integrations
 APPROVED

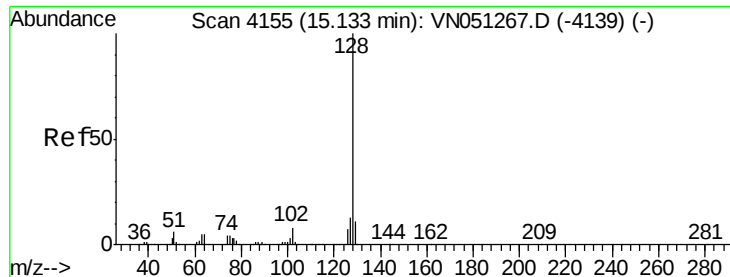
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 9/19/2018 4:57:49 PM



#94
 Hexachlorobutadiene
 Concen: 17.45 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051266.D
 Acq: 17 Sep 2018 11:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	30.8	92.3
227	64.0	32.1	96.3





#95

Naphthalene

Concen: 10.55 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051266.D

Acq: 17 Sep 2018 11:11

Instrument :

MSVOA_N

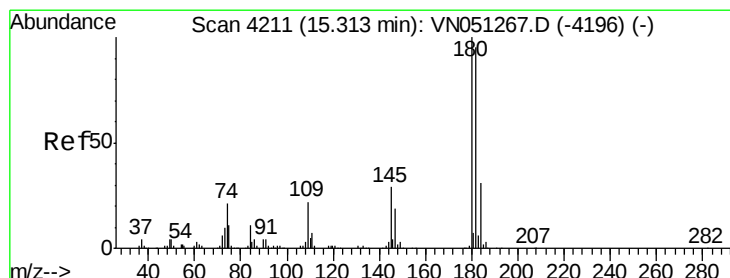
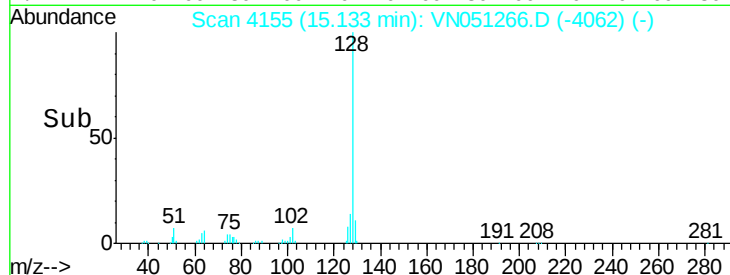
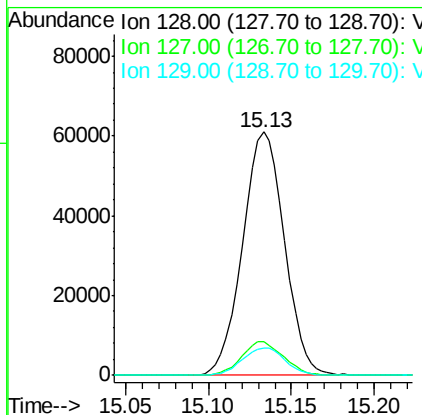
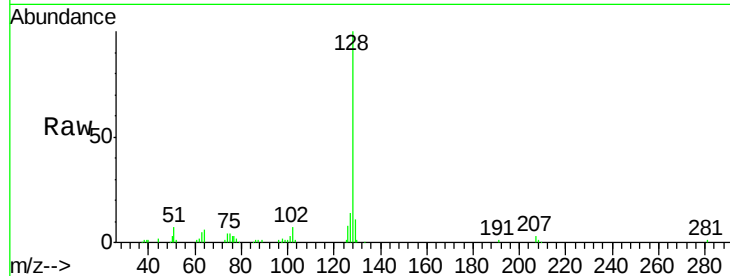
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	106841
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.7	16.1
129	11.4	8.9	13.3

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 13.84 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051266.D

Acq: 17 Sep 2018 11:11

Tgt Ion:	180	Resp:	69667
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.5	142.6
145	29.4	14.8	44.4

