

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122018\
 Data File : VD060657.D
 Acq On : 20 Dec 2018 13:55
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Manual Integrations
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apatel
 12/21/2018 11:32:41 AM

Quant Time: Dec 20 14:59:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 14:42:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1465536	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	2096894	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1635999	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	839923	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	739563	73.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	147.84%	
35) Dibromofluoromethane	6.32	113	1128300	74.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	149.08%	
50) Toluene-d8	9.46	98	3267985	71.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.30%	
62) 4-Bromofluorobenzene	12.42	95	1152277	74.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	1391282	65.823	ug/l	99
3) Chloromethane	1.76	50	1225417	70.568	ug/l	99
4) Vinyl Chloride	1.86	62	986499	69.189	ug/l	98
5) Bromomethane	2.16	94	210394	56.749	ug/l	96
6) Chloroethane	2.27	64	303492	64.119	ug/l	97
7) Trichlorofluoromethane	2.51	101	1100967	66.929	ug/l	98
8) Diethyl Ether	2.84	74	182784	68.338	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.10	101	693350	67.967	ug/l	98
10) Methyl Iodide	3.25	142	801217	68.581	ug/l	97
11) Tert butyl alcohol	3.97	59	155186	343.480	ug/l	98
12) 1,1-Dichloroethene	3.08	96	555298	67.396	ug/l	98
13) Acrolein	2.99	56	133837	338.658	ug/l	100
14) Allyl chloride	3.55	41	1037922	66.249	ug/l	99
15) Acrylonitrile	4.09	53	855965	334.351	ug/l	97
16) Acetone	3.16	43	558062	298.706	ug/l	98
17) Carbon Disulfide	3.32	76	1838772	66.690	ug/l	99
18) Methyl Acetate	3.56	43	283742	60.747	ug/l	98
19) Methyl tert-butyl Ether	4.13	73	1468971	66.408	ug/l	99
20) Methylene Chloride	3.72	84	1099782	65.770	ug/l	98
21) trans-1,2-Dichloroethene	4.11	96	1195809	68.704	ug/l	98
22) Diisopropyl ether	4.85	45	3527032	66.362	ug/l	96
23) Vinyl Acetate	4.80	43	8571073	328.345	ug/l	100
24) 1,1-Dichloroethane	4.76	63	1902289	68.316	ug/l	99
25) 2-Butanone	5.62	43	1171881	316.999	ug/l	99
26) 2,2-Dichloropropane	5.59	77	1467100	66.122	ug/l	99
27) cis-1,2-Dichloroethene	5.59	96	1208387	67.743	ug/l	98
28) Bromochloromethane	5.93	49	838913	72.354	ug/l	98
29) Tetrahydrofuran	5.96	42	671340	330.858	ug/l	99
30) Chloroform	6.10	83	1869855	66.457	ug/l	100
31) Cyclohexane	6.37	56	1743294	64.917	ug/l	98
32) 1,1,1-Trichloroethane	6.29	97	1604993	68.687	ug/l	98
36) 1,1-Dichloropropene	6.53	75	1458642	65.159	ug/l	99
37) Ethyl Acetate	5.70	43	583467	63.144	ug/l	98
38) Carbon Tetrachloride	6.50	117	1311109	64.919	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	1764232	67.190	ug/l	99
40) Benzene	6.79	78	3792564	65.293	ug/l	99
41) Methacrylonitrile	5.93	41	370537m	67.669	ug/l	
42) 1,2-Dichloroethane	6.89	62	936212	64.852	ug/l	99
43) Isopropyl Acetate	8.35	43	820865	65.413	ug/l	98
44) Trichloroethene	7.74	130	1161318	66.813	ug/l	94
45) 1,2-Dichloropropane	8.10	63	941939	66.770	ug/l	100
46) Dibromomethane	8.22	93	536313	65.547	ug/l	95
47) Bromodichloromethane	8.49	83	1299277	65.680	ug/l	98
48) Methyl methacrylate	8.24	41	493110	64.555	ug/l	98
49) 1,4-Dioxane	8.23	88	89986	1258.125	ug/l #	93
51) 4-Methyl-2-Pentanone	9.34	43	2372229	308.228	ug/l	97
52) Toluene	9.55	92	2355879	63.864	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	1086825	64.707	ug/l	100
54) cis-1,3-Dichloropropene	9.11	75	1373258	62.550	ug/l	100
55) 1,1,2-Trichloroethane	10.18	97	642580	65.687	ug/l	99
56) Ethyl methacrylate	10.03	69	631539	63.111	ug/l	99
57) 1,3-Dichloropropane	10.38	76	1027105	65.837	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.92	63	1615830	306.015	ug/l	98
59) 2-Hexanone	10.48	43	1696734	310.273	ug/l	98
60) Dibromochloromethane	10.64	129	844844	63.693	ug/l	96
61) 1,2-Dibromoethane	10.76	107	684734	65.071	ug/l	99
64) Tetrachloroethene	10.25	164	1071075	67.704	ug/l	98
65) Chlorobenzene	11.31	112	2557771	66.540	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	813680	64.591	ug/l	98
67) Ethyl Benzene	11.43	91	4216118	63.840	ug/l	100
68) m/p-Xylenes	11.57	106	3066430	127.850	ug/l	99
69) o-Xylene	11.93	106	1521448	65.435	ug/l	93
70) Styrene	11.96	104	2433272	64.855	ug/l	99
71) Bromoform	12.12	173	581939	68.599	ug/l	97
73) Isopropylbenzene	12.27	105	4019413	62.497	ug/l	99
74) N-amyl acetate	12.14	43	1024749	67.264	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	678558	63.654	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	678965	65.612	ug/l	100
77) Bromobenzene	12.54	156	1113357	64.966	ug/l	97
78) n-propylbenzene	12.64	91	5205565	63.528	ug/l	99
79) 2-Chlorotoluene	12.71	91	2888027	65.004	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	3210338	64.873	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	190035	63.228	ug/l	98
82) 4-Chlorotoluene	12.81	91	3141326	64.478	ug/l	99
83) tert-Butylbenzene	13.04	119	3643332	64.596	ug/l	92
84) 1,2,4-Trimethylbenzene	13.09	105	3236893	62.962	ug/l	100
85) sec-Butylbenzene	13.22	105	4397146	62.626	ug/l	100
86) p-Isopropyltoluene	13.34	119	3438856	62.647	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	2007058	64.421	ug/l	95
88) 1,4-Dichlorobenzene	13.39	146	1962652	63.833	ug/l	95
89) n-Butylbenzene	13.64	91	3521695	62.798	ug/l	97
90) Hexachloroethane	13.86	117	911690	65.356	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	1515630	61.264	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.22	75	80456	63.882	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1285479	62.733	ug/l	96
94) Hexachlorobutadiene	14.88	225	969451	65.726	ug/l	99
95) Naphthalene	14.97	128	1616479	64.799	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	1029507	63.840	ug/l	100

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

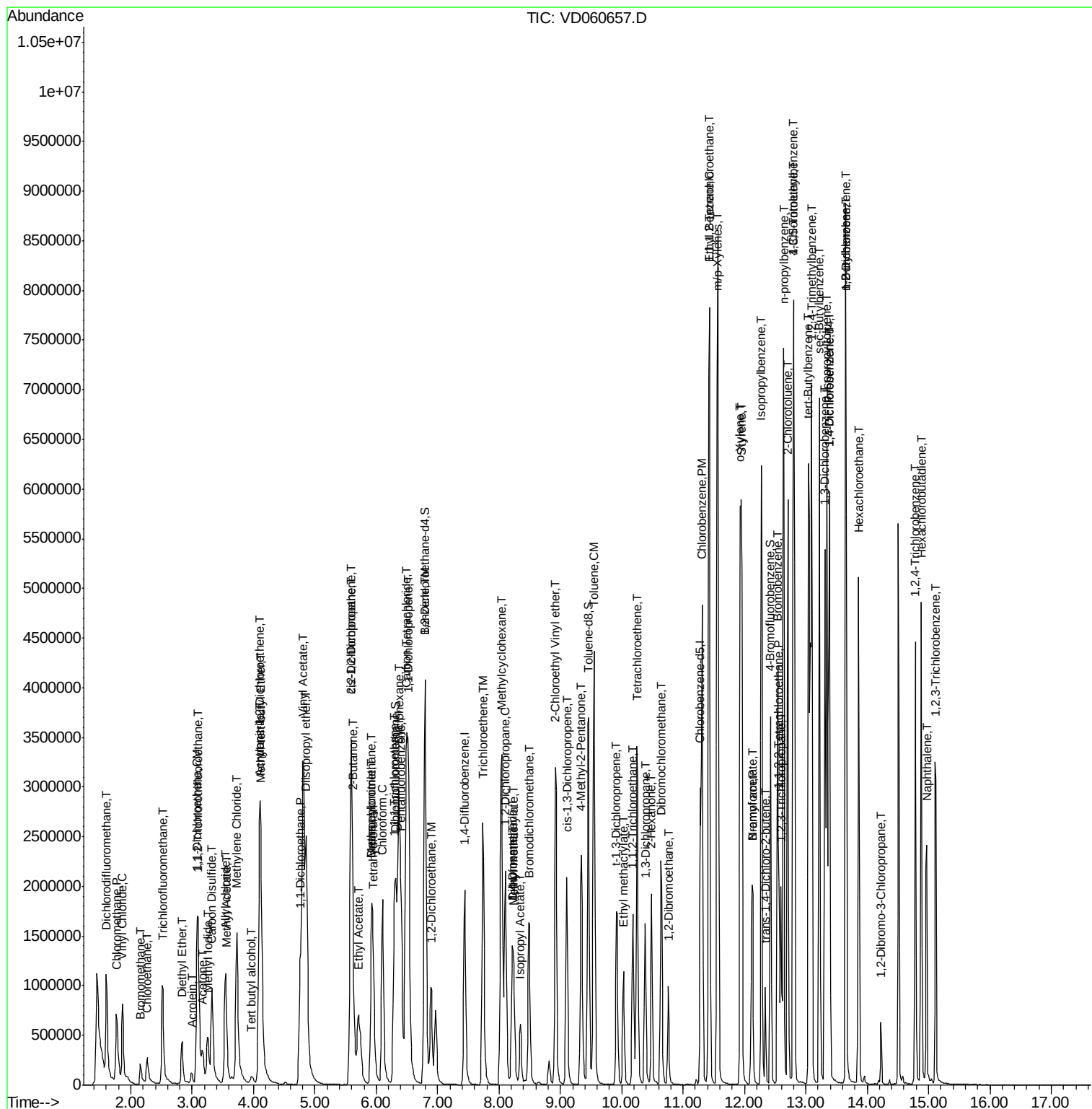
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD122018\
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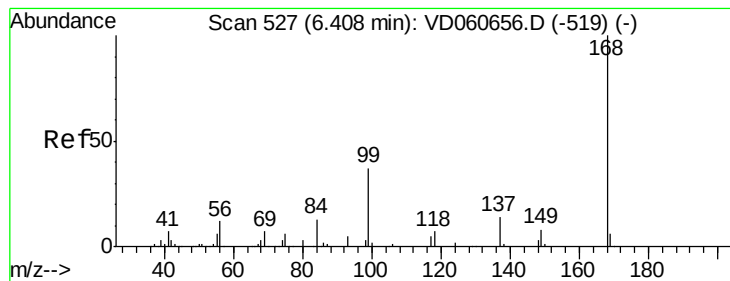
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 527

Delta R.T. 0.00 min

Lab File: VD060657.D

Acq: 20 Dec 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion:168 Resp: 146536

Ion Ratio Lower Upper

168 100

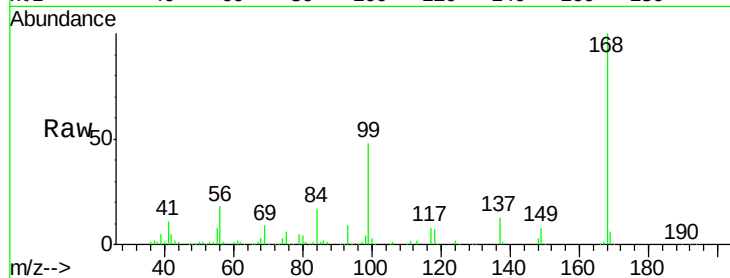
99 47.6 38.7 58.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

500000

400000

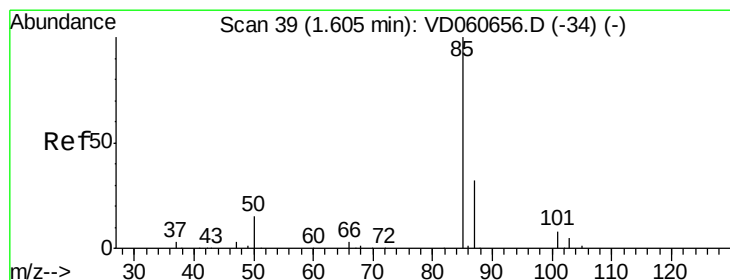
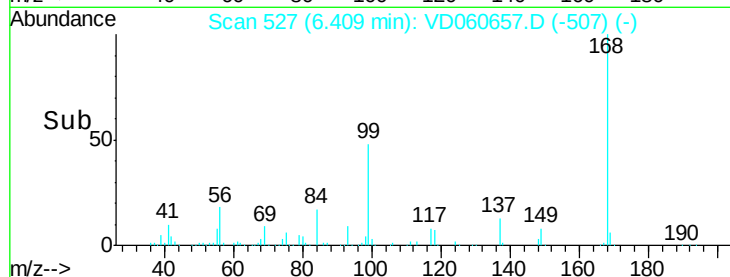
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 65.823 ug/l

RT: 1.60 min Scan# 38

Delta R.T. -0.01 min

Lab File: VD060657.D

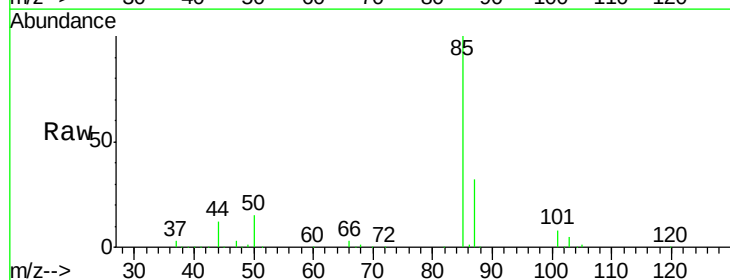
Acq: 20 Dec 2018 13:55

Tgt Ion: 85 Resp: 1391282

Ion Ratio Lower Upper

85 100

87 32.2 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

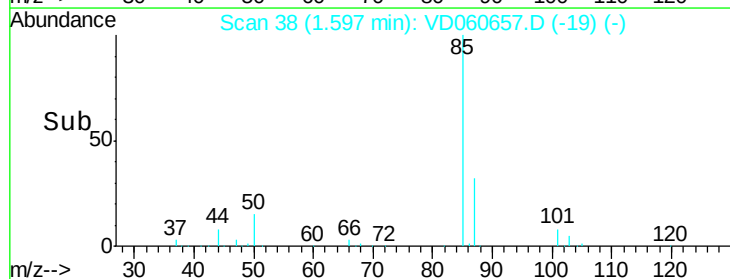
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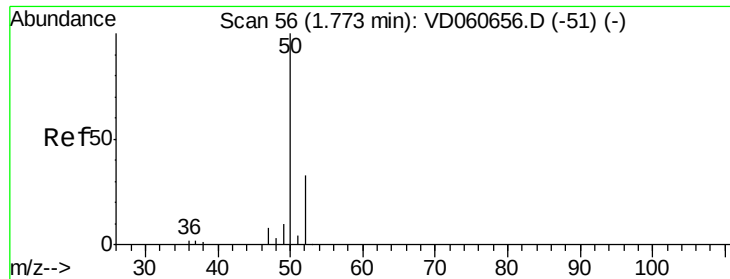
400000

200000

0

Time-->





#3

Chloromethane

Concen: 70.568 ug/l

RT: 1.76 min Scan# 55

Delta R.T. -0.01 min

Lab File: VD060657.D

Acq: 20 Dec 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 50 Resp: 1225417

Ion Ratio Lower Upper

50 100

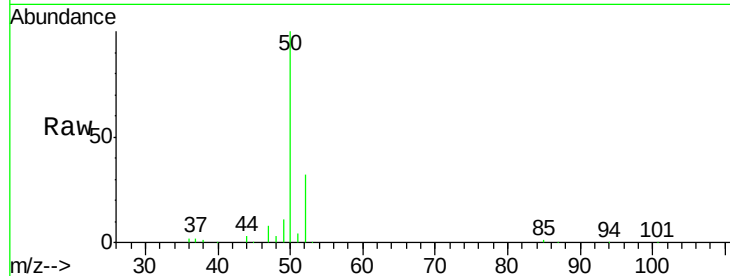
52 32.4 26.6 39.8

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

500000

400000

300000

200000

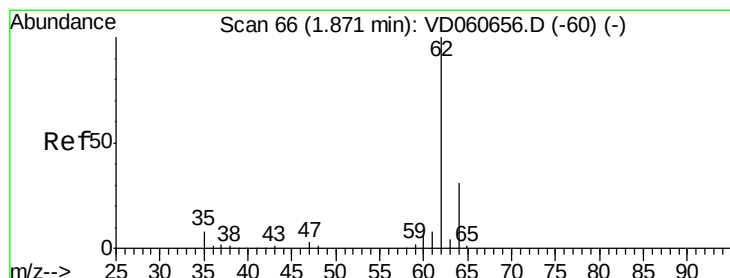
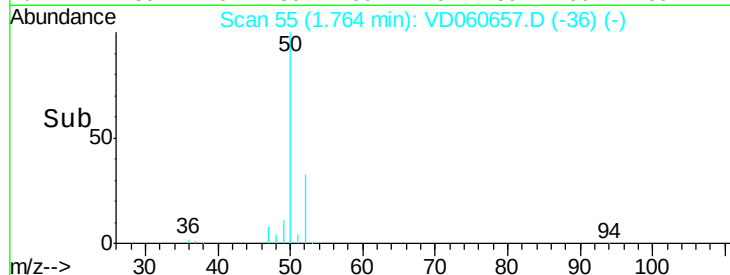
100000

0

1.76

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 69.189 ug/l

RT: 1.86 min Scan# 65

Delta R.T. -0.01 min

Lab File: VD060657.D

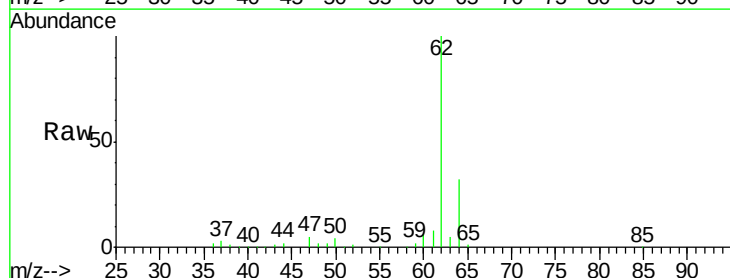
Acq: 20 Dec 2018 13:55

Tgt Ion: 62 Resp: 986499

Ion Ratio Lower Upper

62 100

64 32.5 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

500000

400000

300000

200000

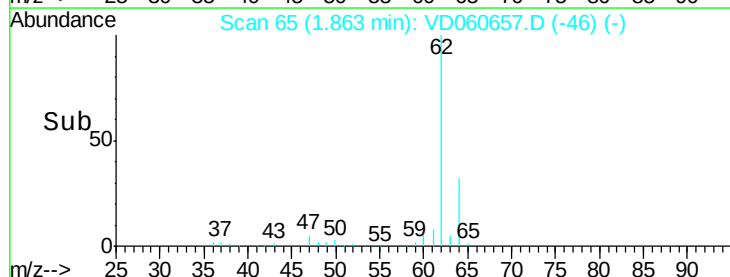
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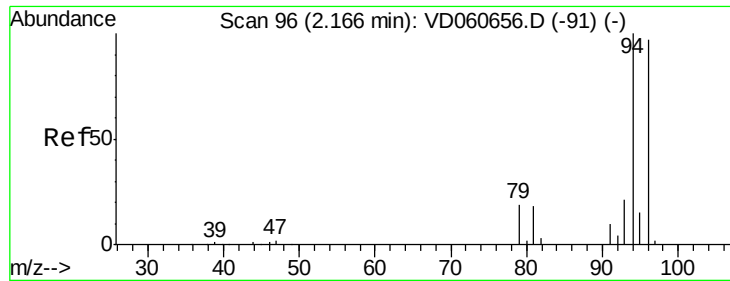
0

1.86

1.80 1.90 2.00 2.10

Time-->





#5

Bromomethane

Concen: 56.749 ug/l

RT: 2.16 min Scan# 95

Delta R.T. -0.01 min

Lab File: VD060657.D

Acq: 20 Dec 2018 13:55

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ClientSampleId :

VSTDIC075

Tgt Ion: 94 Resp: 210394

Ion Ratio Lower Upper

94 100

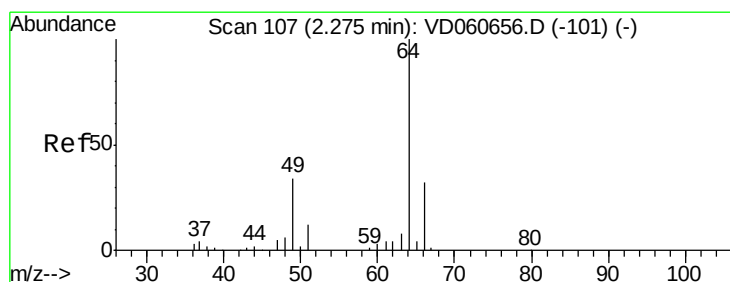
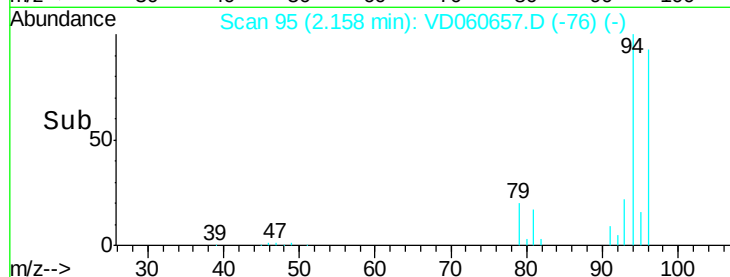
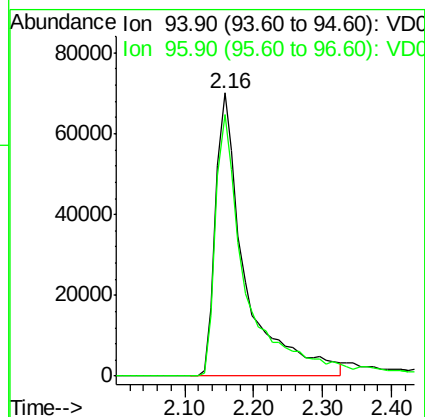
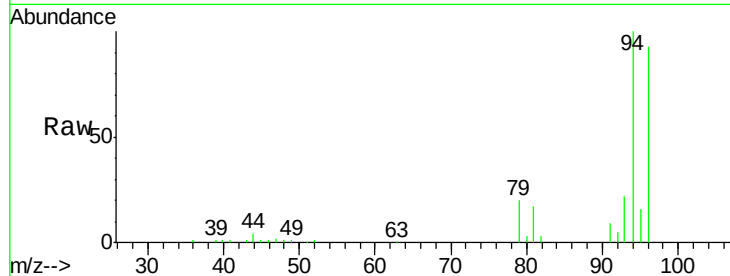
96 92.5 77.2 115.8

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#6

Chloroethane

Concen: 64.119 ug/l

RT: 2.27 min Scan# 106

Delta R.T. -0.01 min

Lab File: VD060657.D

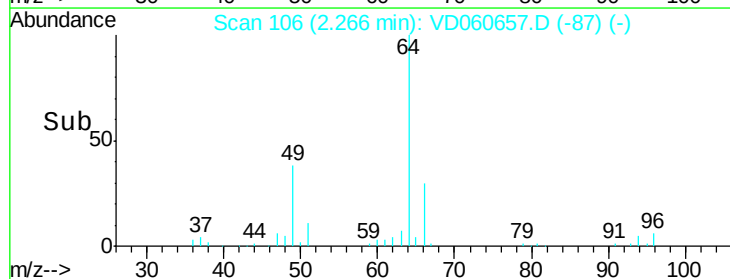
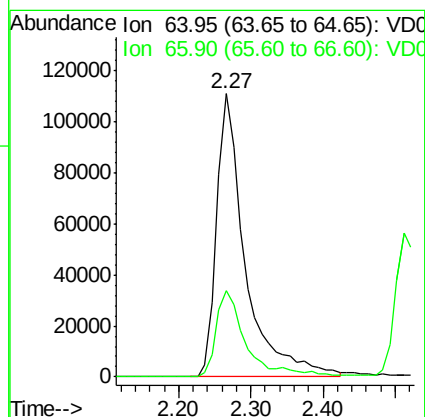
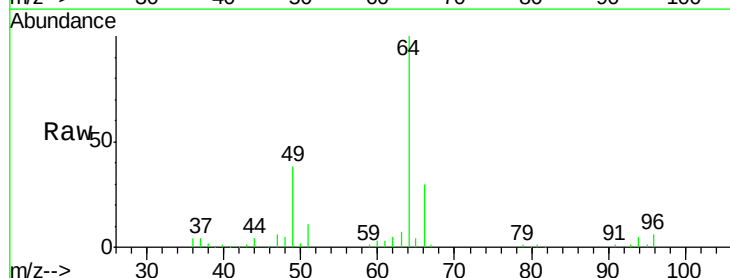
Acq: 20 Dec 2018 13:55

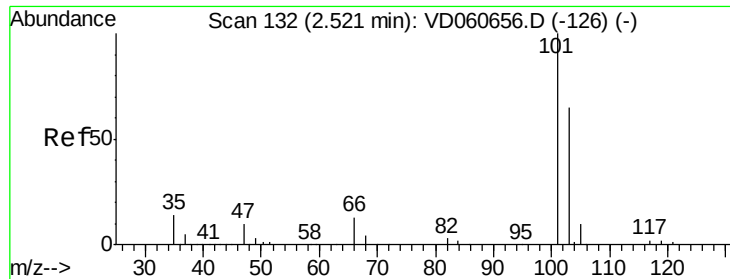
Tgt Ion: 64 Resp: 303492

Ion Ratio Lower Upper

64 100

66 30.5 25.6 38.4





#7

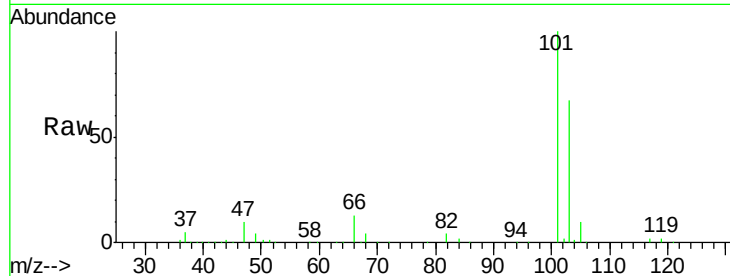
Trichlorofluoromethane
Concen: 66.929 ug/l
RT: 2.51 min Scan# 131
Delta R.T. -0.01 min
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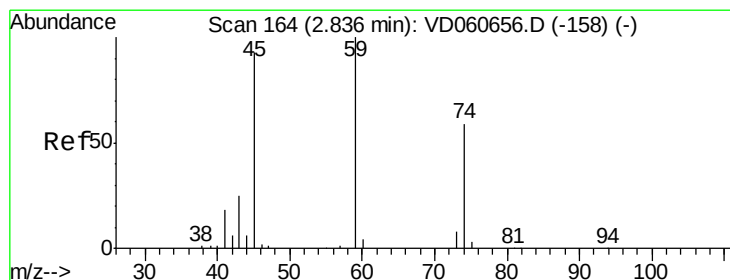
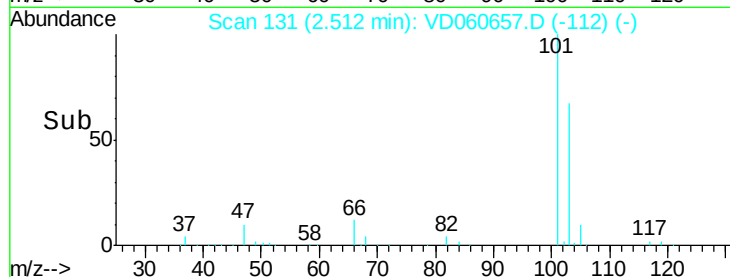
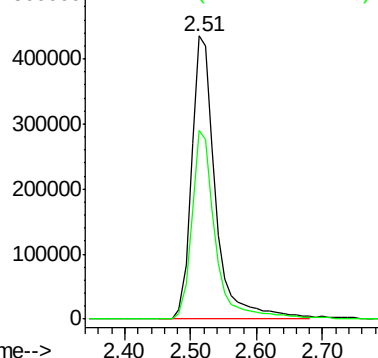
Tgt Ion: 101 Resp: 1100967
Ion Ratio Lower Upper
101 100
103 66.6 51.9 77.9

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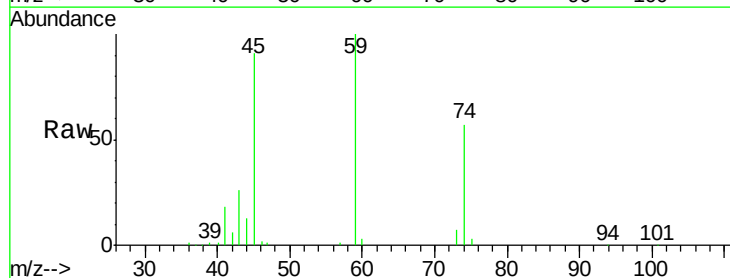
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



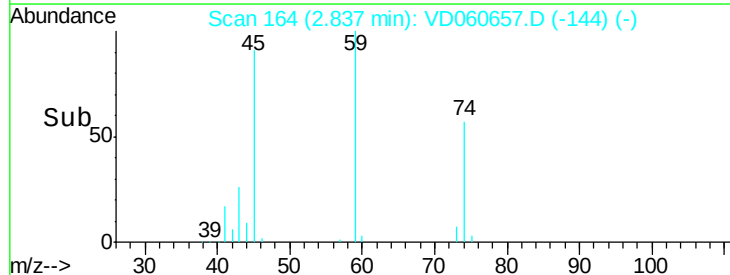
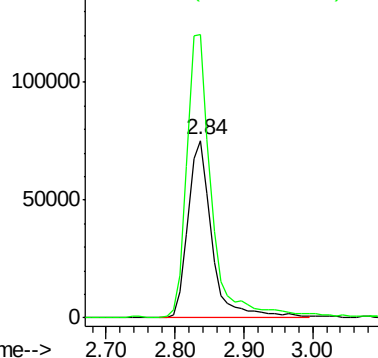
#8

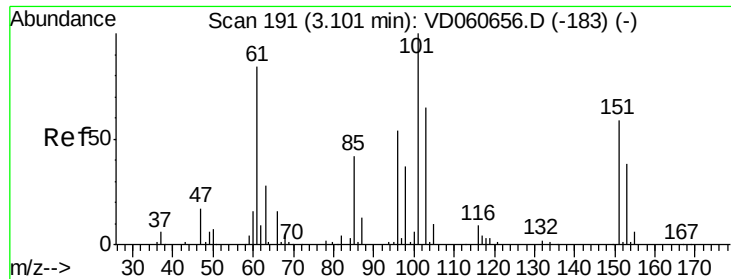
Diethyl Ether
Concen: 68.338 ug/l
RT: 2.84 min Scan# 164
Delta R.T. 0.00 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Tgt Ion: 74 Resp: 182784
Ion Ratio Lower Upper
74 100
45 159.5 79.3 238.1



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 67.967 ug/l

RT: 3.10 min Scan# 191

Delta R.T. 0.00 min

Lab File: VD060657.D

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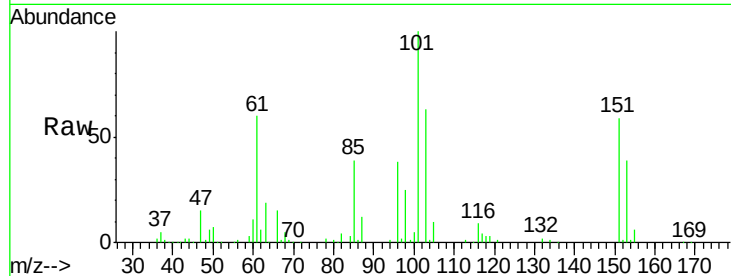
ClientSampleId :

VSTDIC075

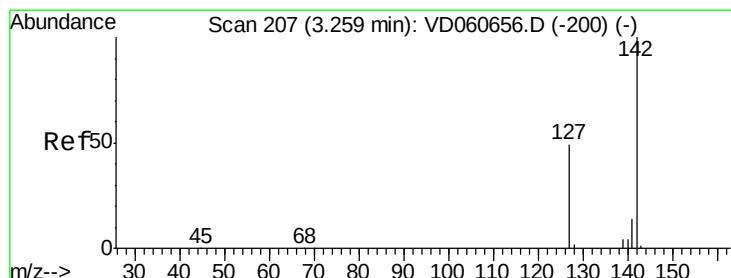
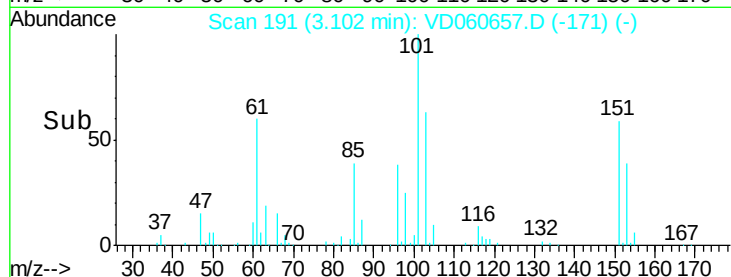
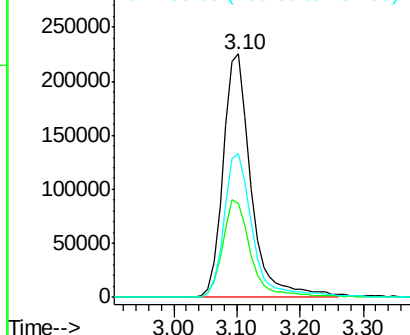
Tgt Ion:	101	Resp:	693350
Ion Ratio	Lower	Upper	
101	100		
85	38.7	33.4	50.0
151	58.9	47.5	71.3

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Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 68.581 ug/l

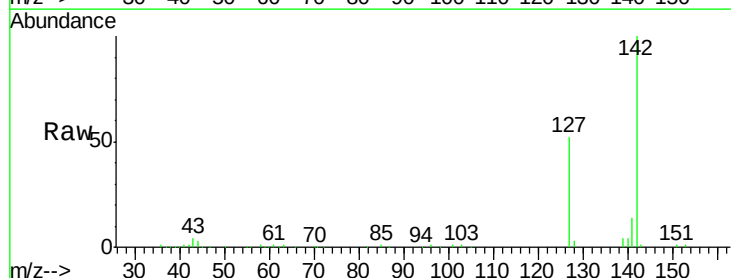
RT: 3.25 min Scan# 206

Delta R.T. -0.01 min

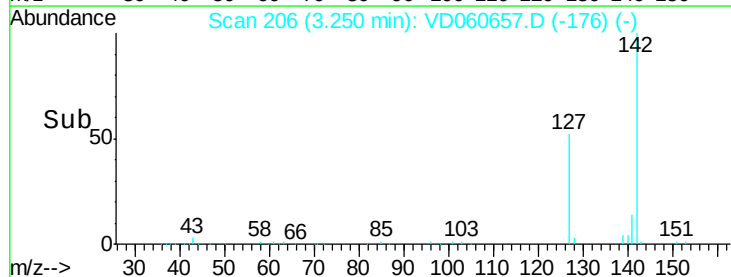
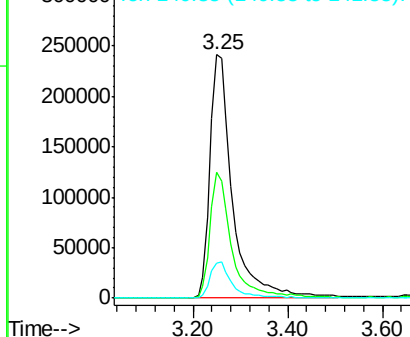
Lab File: VD060657.D

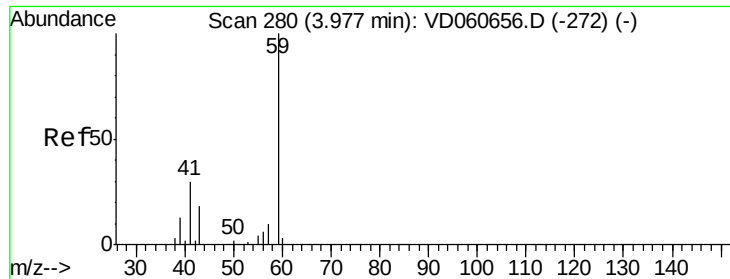
Acq: 20 Dec 2018 13:55

Tgt Ion:	142	Resp:	801217
Ion Ratio	Lower	Upper	
142	100		
127	51.8	39.5	59.3
141	14.4	11.3	16.9



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V





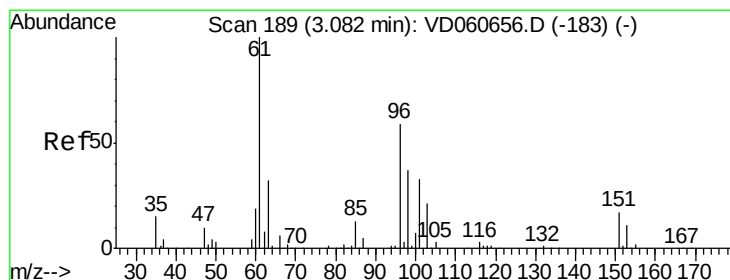
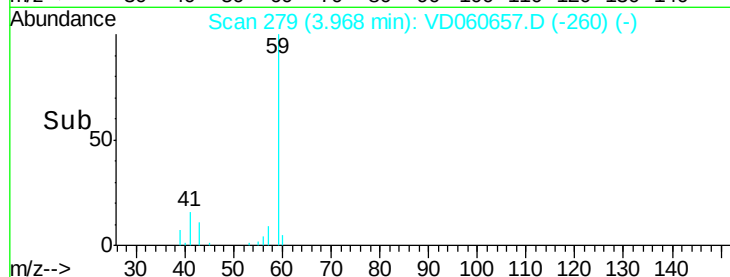
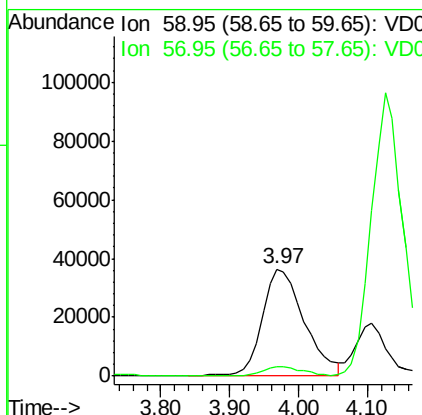
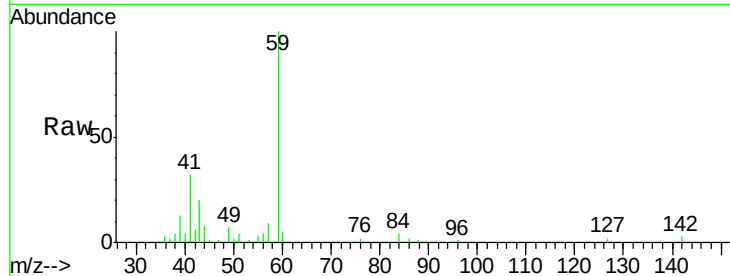
#11
Tert butyl alcohol
Concen: 343.480 ug/l
RT: 3.97 min Scan# 279
Delta R.T. -0.01 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Instrument :
MSVOA_D
ClientSampled :
VSTDIC075

Tgt Ion: 59 Resp: 155186
Ion Ratio Lower Upper
59 100
57 8.9 7.8 11.6

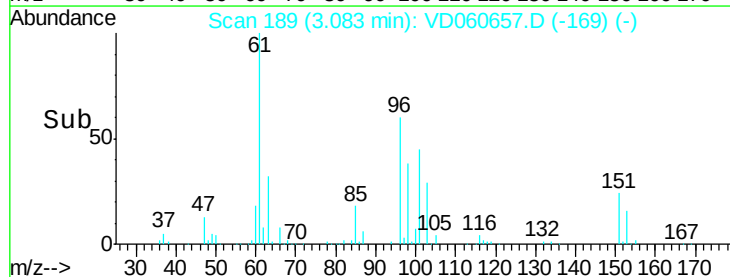
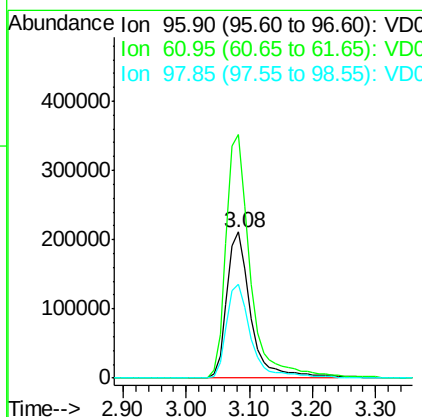
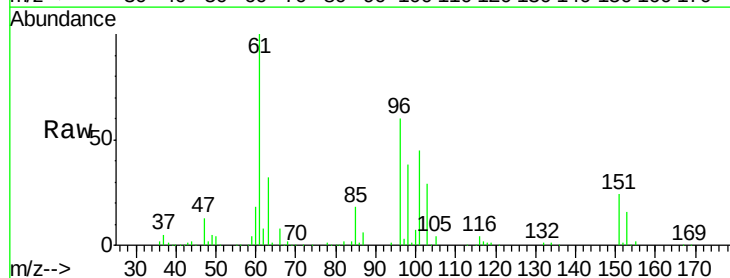
Manual Integrations
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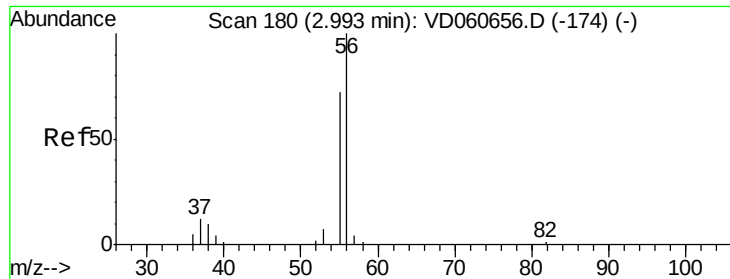
apatel
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#12
1,1-Dichloroethene
Concen: 67.396 ug/l
RT: 3.08 min Scan# 189
Delta R.T. 0.00 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Tgt Ion: 96 Resp: 555298
Ion Ratio Lower Upper
96 100
61 167.1 136.2 204.4
98 64.3 50.7 76.1





#13

Acrolein

Concen: 338.658 ug/l

RT: 2.99 min Scan# 180

Delta R.T. 0.00 min

Lab File: VD060657.D

Acq: 20 Dec 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 56 Resp: 133837

Ion Ratio Lower Upper

56 100

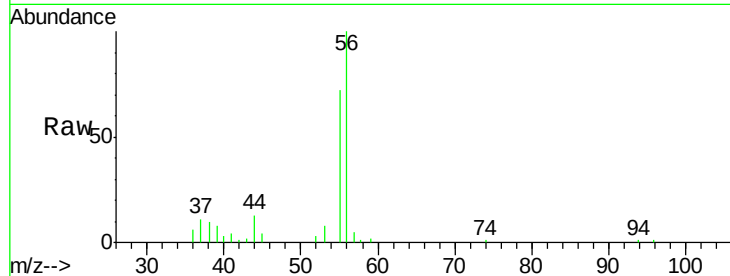
55 72.1 57.7 86.5

Manual Integrations

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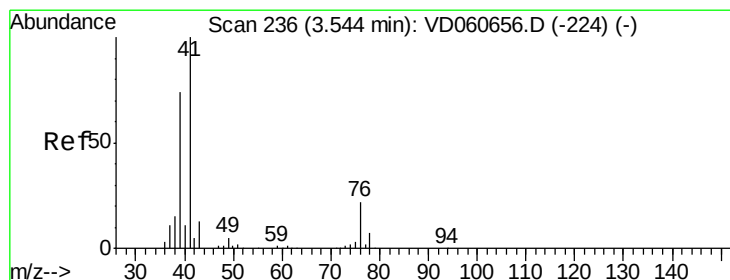
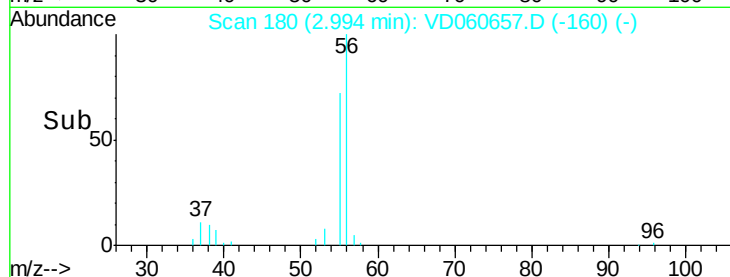
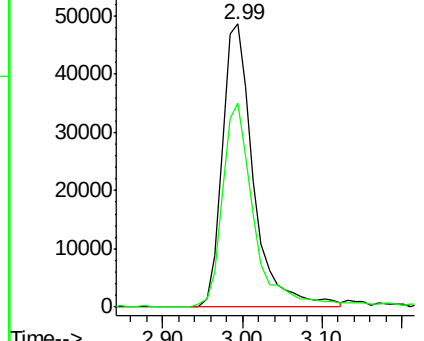
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 66.249 ug/l

RT: 3.55 min Scan# 236

Delta R.T. 0.00 min

Lab File: VD060657.D

Acq: 20 Dec 2018 13:55

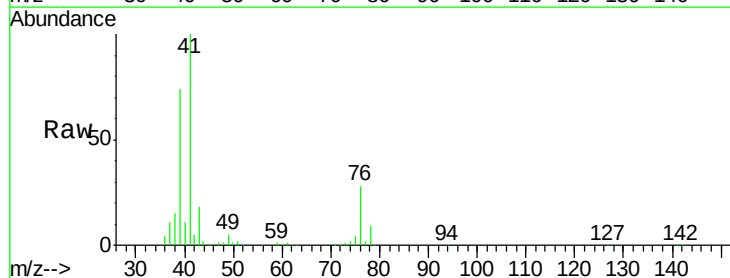
Tgt Ion: 41 Resp: 1037922

Ion Ratio Lower Upper

41 100

39 73.5 59.6 89.4

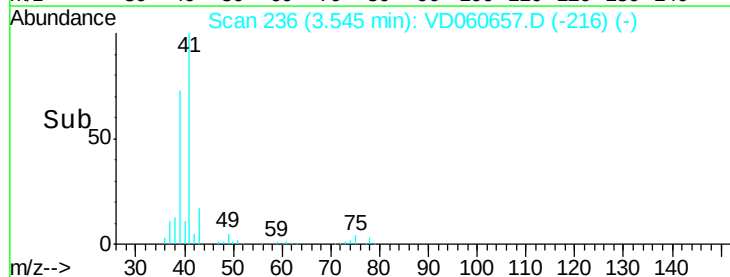
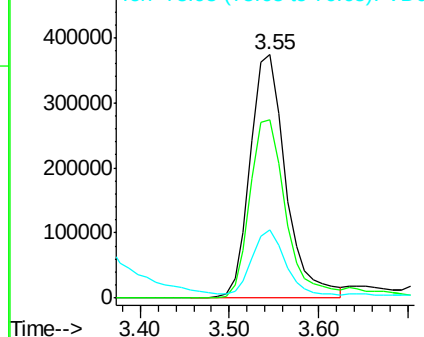
76 27.8 21.8 32.6

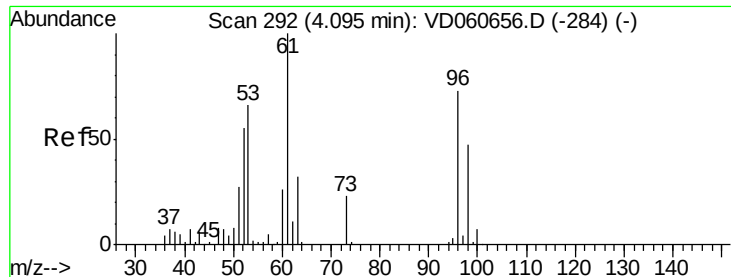


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 334.351 ug/l

RT: 4.09 min Scan# 291

Delta R.T. -0.01 min

Lab File: VD060657.D

Acq: 20 Dec 2018 13:55

Instrument :

MSVOA_D

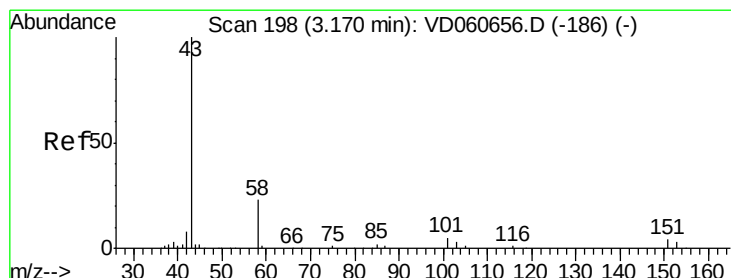
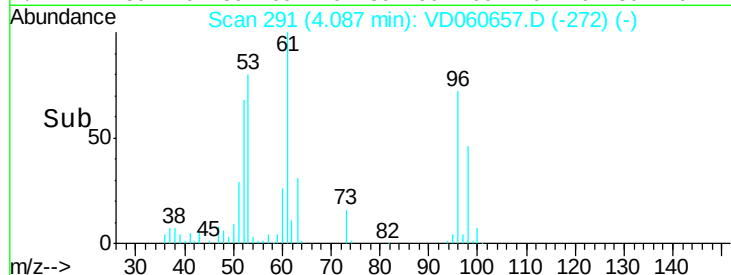
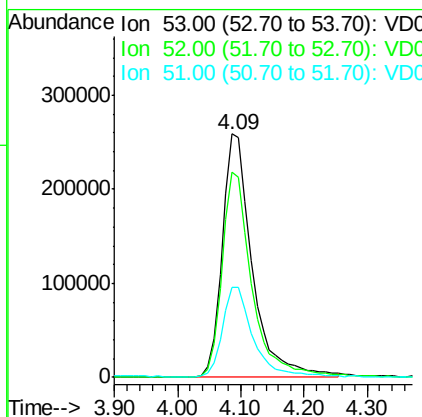
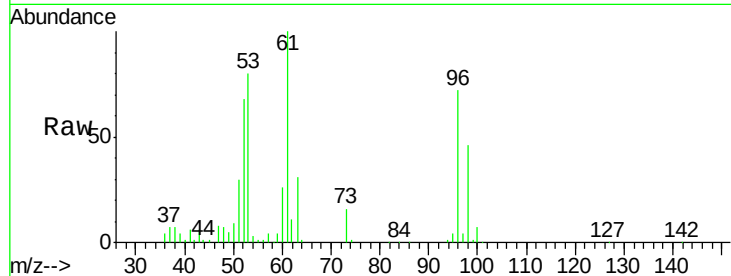
ClientSampleId :

VSTDIC075

Tgt Ion:	53	Resp:	855965
Ion Ratio	Lower	Upper	
53	100		
52	84.3	66.7	100.1
51	36.8	32.7	49.1

Manual Integrations
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#16

Acetone

Concen: 298.706 ug/l

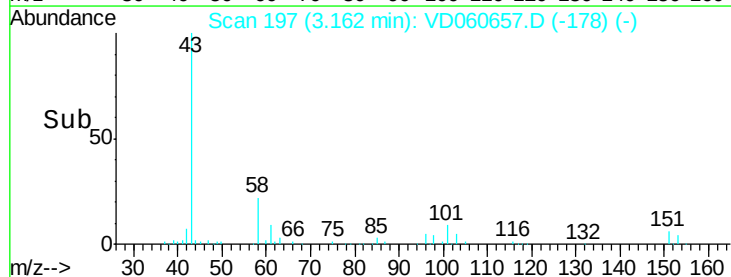
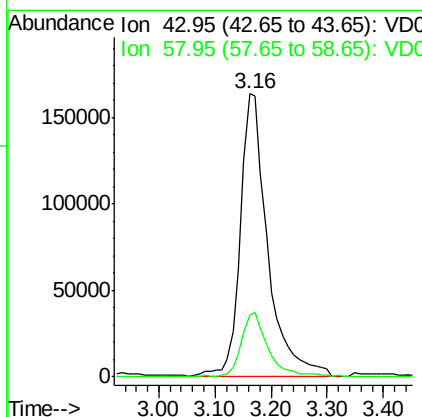
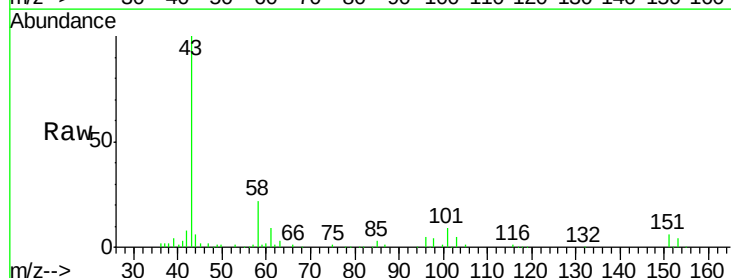
RT: 3.16 min Scan# 197

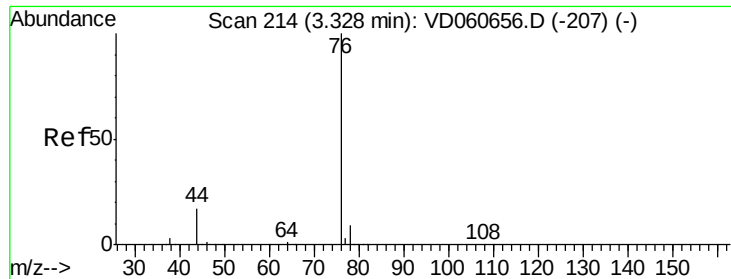
Delta R.T. -0.01 min

Lab File: VD060657.D

Acq: 20 Dec 2018 13:55

Tgt Ion:	43	Resp:	558062
Ion Ratio	Lower	Upper	
43	100		
58	22.0	18.2	27.2





#17

Carbon Disulfide

Concen: 66.690 ug/l

RT: 3.32 min Scan# 213

Delta R.T. -0.01 min

Lab File: VD060657.D

Acq: 20 Dec 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 76 Resp: 1838772

Ion Ratio Lower Upper

76 100

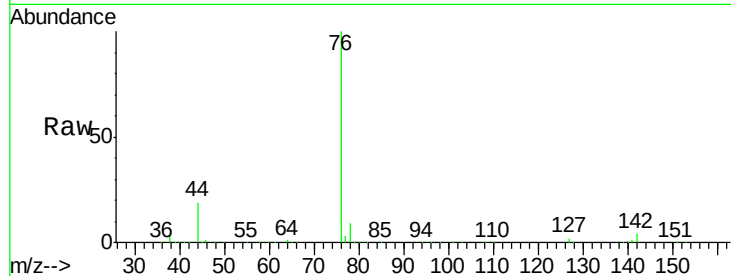
78 8.8 7.4 11.0

Manual Integrations

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.32

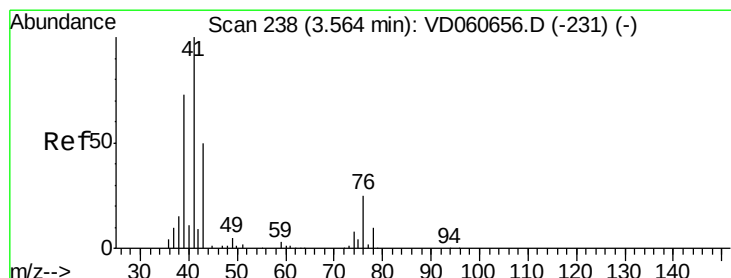
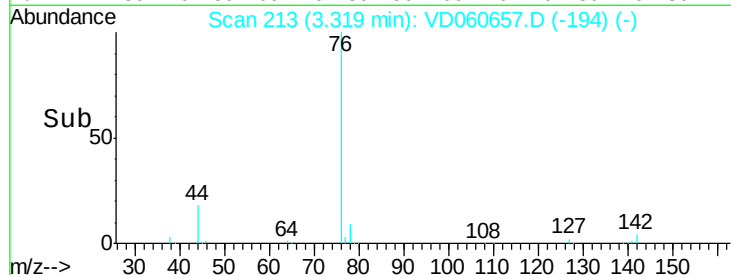
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 60.747 ug/l

RT: 3.56 min Scan# 238

Delta R.T. 0.00 min

Lab File: VD060657.D

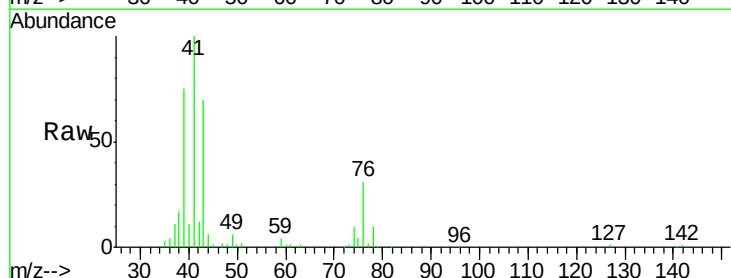
Acq: 20 Dec 2018 13:55

Tgt Ion: 43 Resp: 283742

Ion Ratio Lower Upper

43 100

74 14.6 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.56

120000

100000

80000

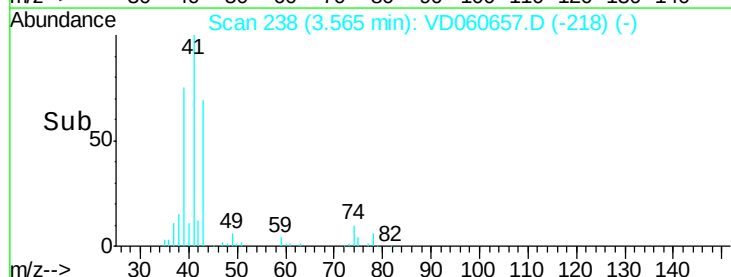
60000

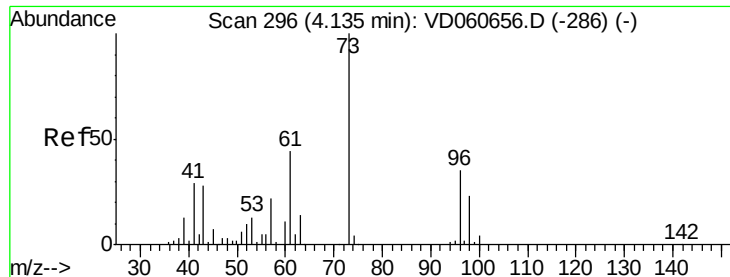
40000

20000

0

Time-->





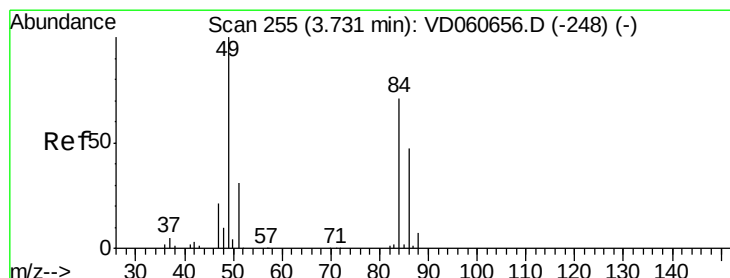
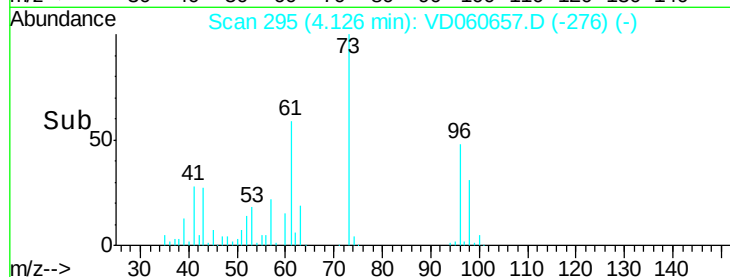
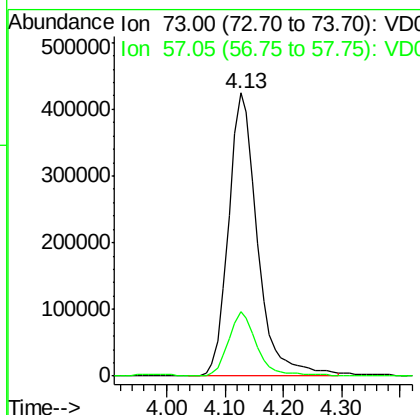
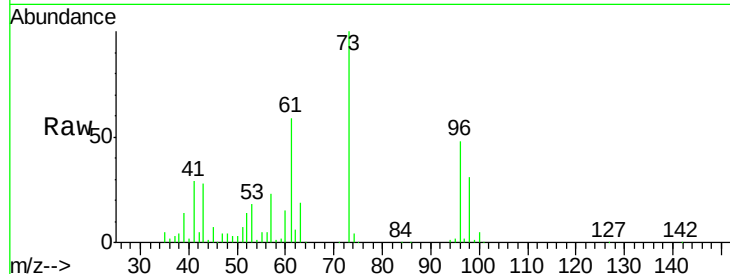
#19
Methyl tert-butyl Ether
Concen: 66.408 ug/l
RT: 4.13 min Scan# 295
Delta R.T. -0.01 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 73 Resp: 1468971
Ion Ratio Lower Upper
73 100
57 22.7 17.6 26.4

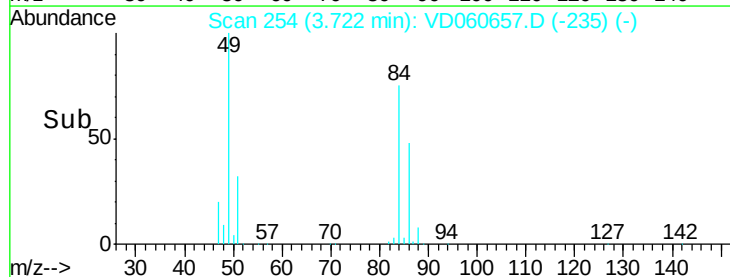
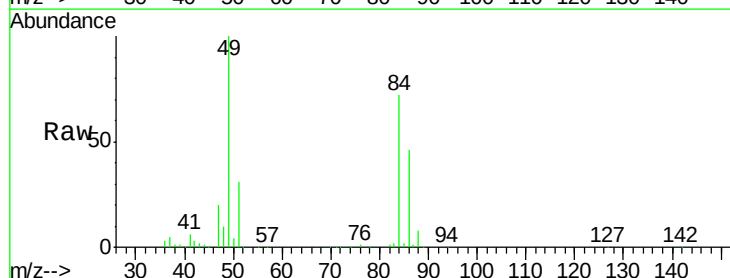
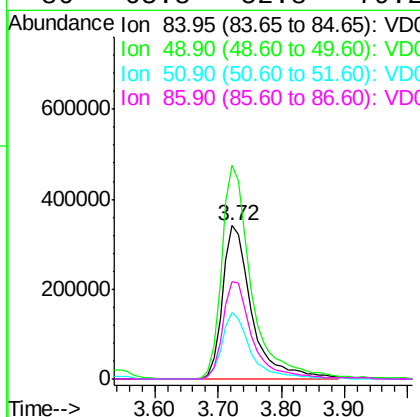
Manual Integrations
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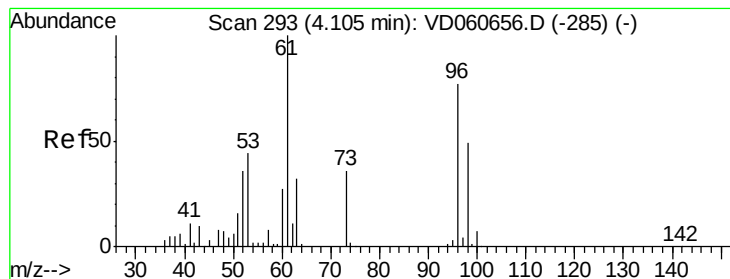
apatel
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#20
Methylene Chloride
Concen: 65.770 ug/l
RT: 3.72 min Scan# 254
Delta R.T. -0.01 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Tgt Ion: 84 Resp: 1099782
Ion Ratio Lower Upper
84 100
49 139.4 113.6 170.4
51 43.8 34.7 52.1
86 63.8 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 68.704 ug/l

RT: 4.11 min Scan# 293

Delta R.T. 0.00 min

Lab File: VD060657.D

Acq: 20 Dec 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 96 Resp: 1195809

Ion Ratio Lower Upper

96 100

61 127.9 104.2 156.2

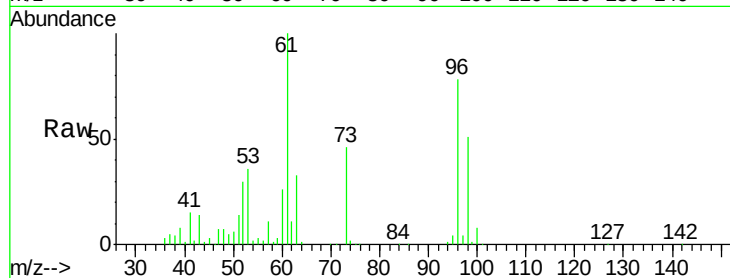
98 65.8 51.2 76.8

Manual Integrations

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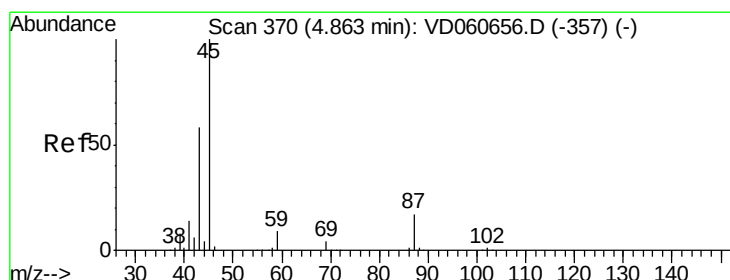
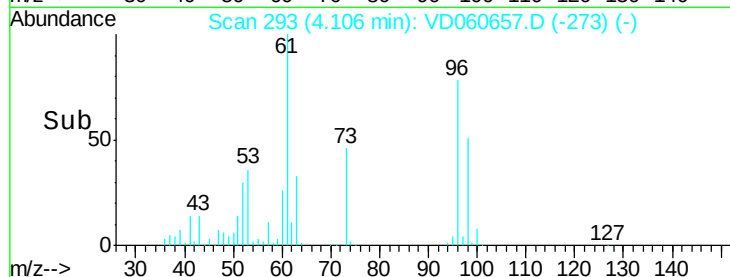
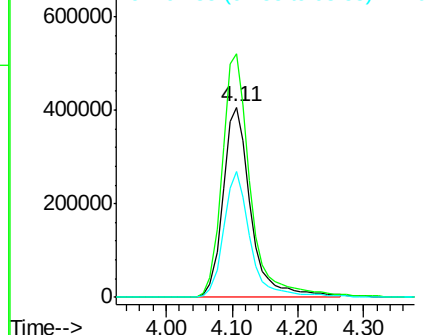
12/21/2018 11:32:41 AM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 66.362 ug/l

RT: 4.85 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD060657.D

Acq: 20 Dec 2018 13:55

Tgt Ion: 45 Resp: 3527032

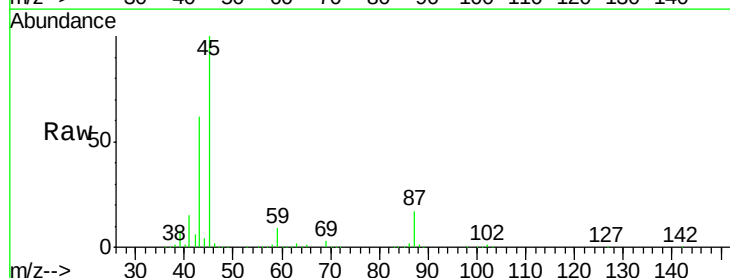
Ion Ratio Lower Upper

45 100

43 61.6 46.1 69.1

87 17.0 13.7 20.5

59 9.1 7.4 11.0

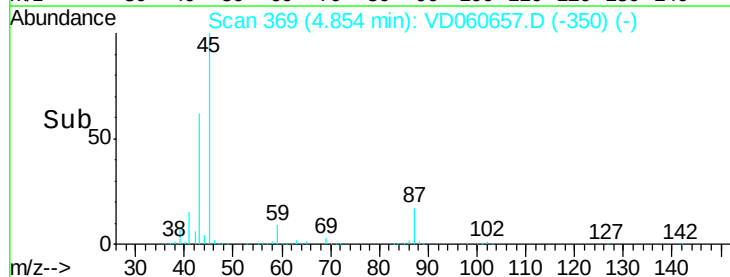
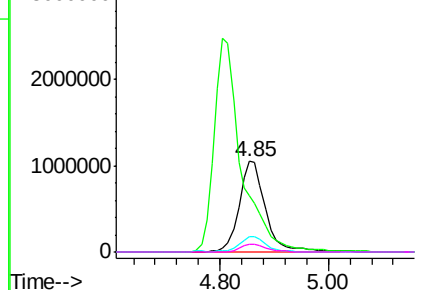


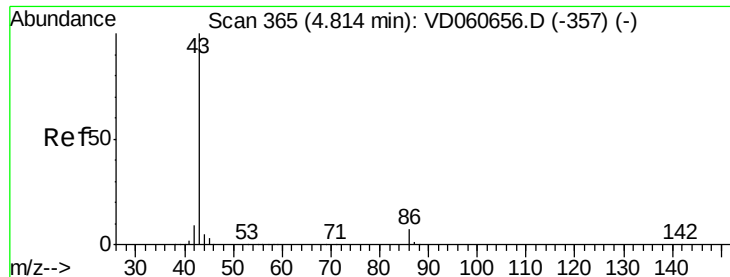
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 328.345 ug/l

RT: 4.80 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD060657.D

Acq: 20 Dec 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 43 Resp: 8571073

Ion Ratio Lower Upper

43 100

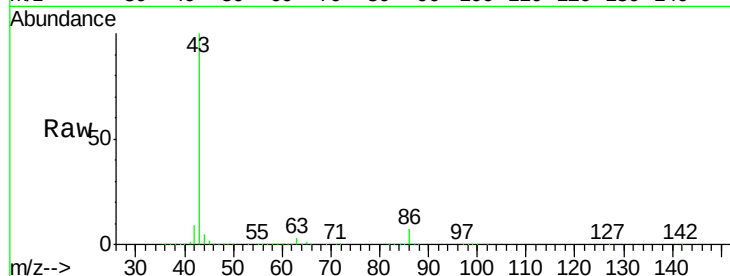
86 6.8 5.6 8.4

Manual Integrations

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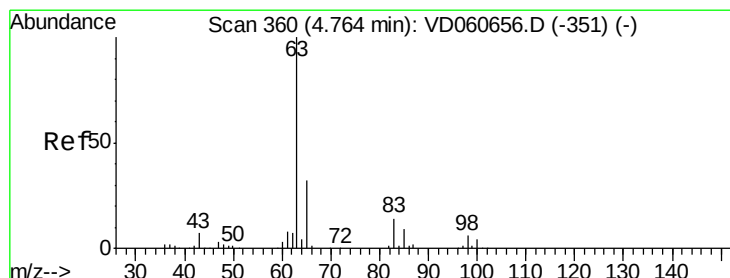
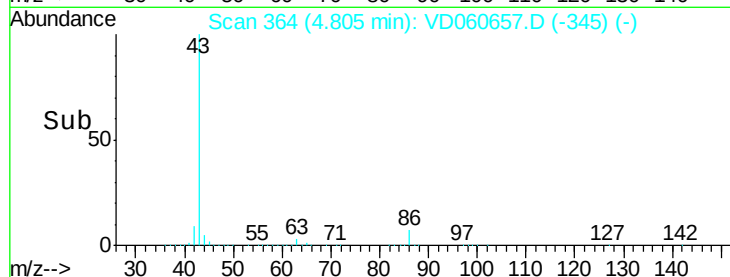
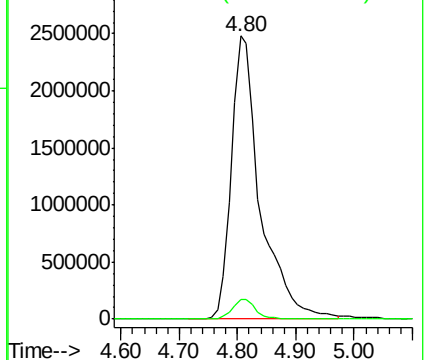
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 68.316 ug/l

RT: 4.76 min Scan# 359

Delta R.T. -0.01 min

Lab File: VD060657.D

Acq: 20 Dec 2018 13:55

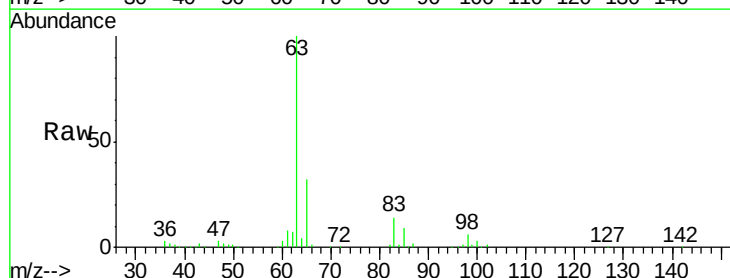
Tgt Ion: 63 Resp: 1902289

Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.7

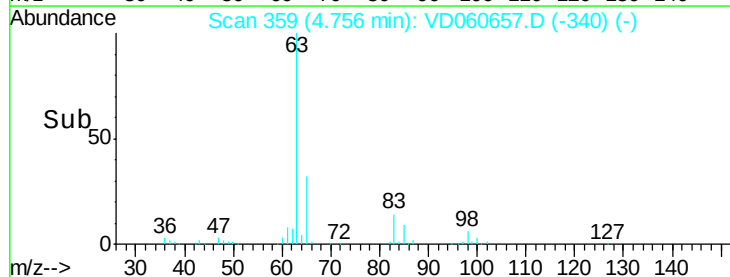
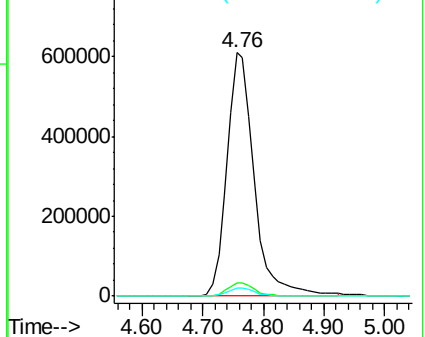
100 3.5 2.0 5.8

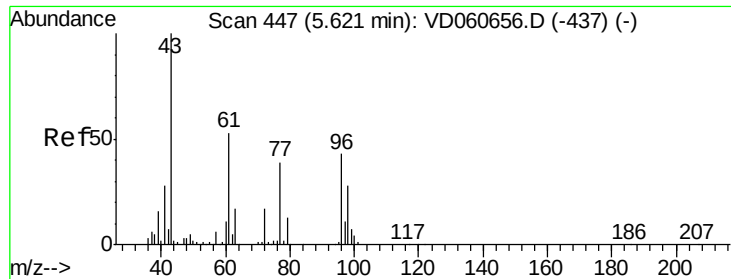


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





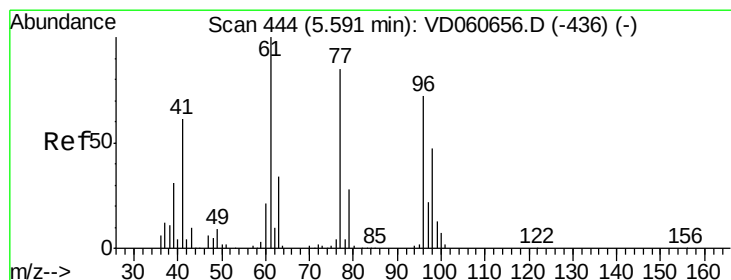
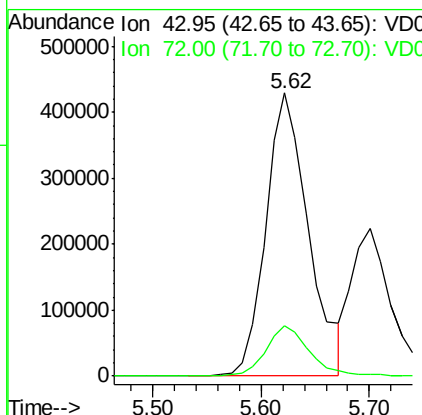
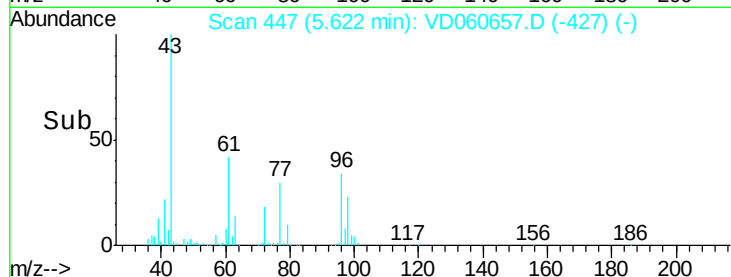
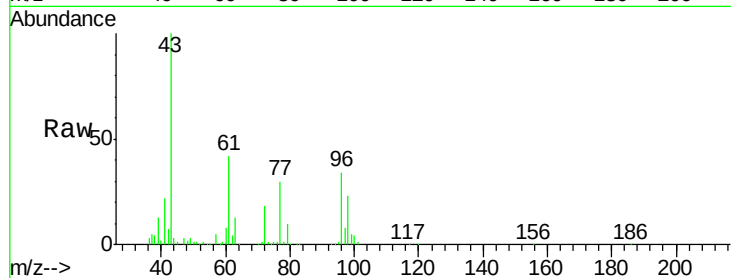
#25
2-Butanone
Concen: 316.999 ug/l
RT: 5.62 min Scan# 447
Delta R.T. 0.00 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 43 Resp: 1171881
Ion Ratio Lower Upper
43 100
72 17.7 13.7 20.5

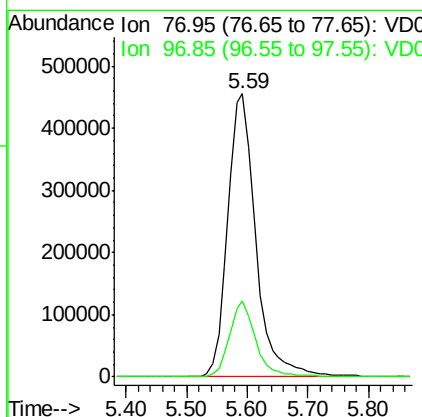
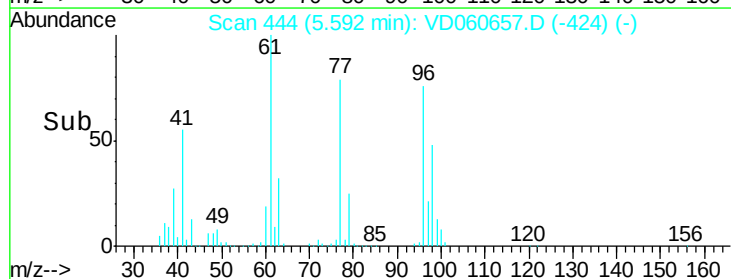
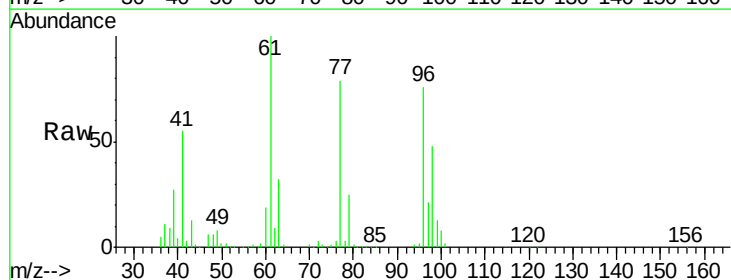
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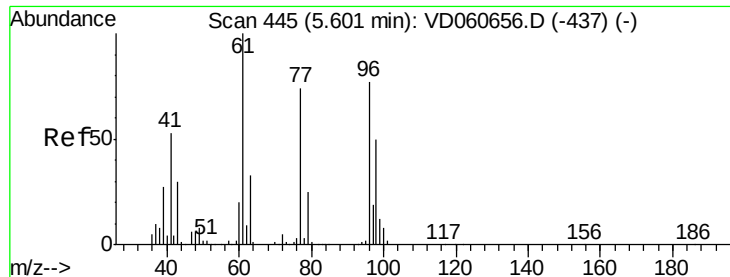
apatel
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#26
2,2-Dichloropropane
Concen: 66.122 ug/l
RT: 5.59 min Scan# 444
Delta R.T. 0.00 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Tgt Ion: 77 Resp: 1467100
Ion Ratio Lower Upper
77 100
97 26.7 13.0 39.0





#27

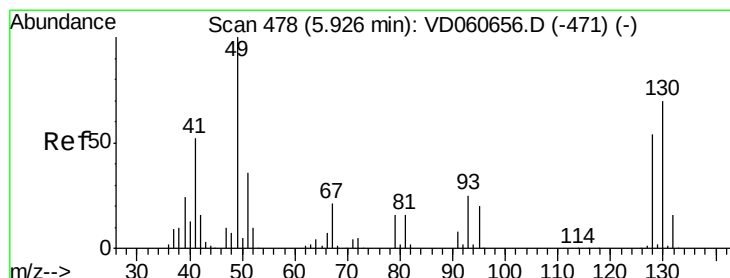
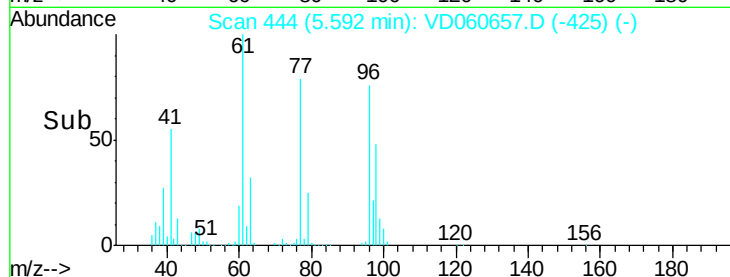
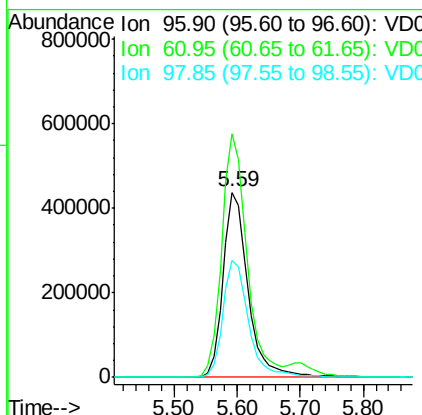
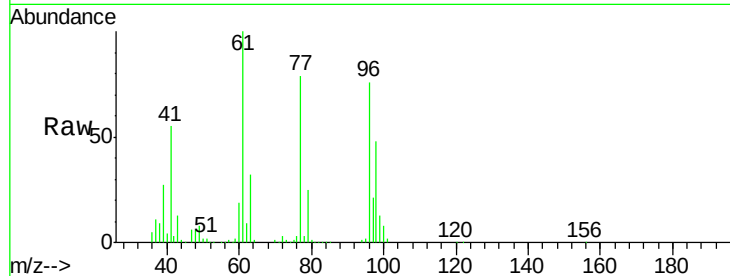
cis-1,2-Dichloroethene
 Concen: 67.743 ug/l
 RT: 5.59 min Scan# 444
 Delta R.T. -0.01 min
 Lab File: VD060657.D
 Acq: 20 Dec 2018 13:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.5	0.0	259.4
98	62.9	0.0	130.0

Manual Integrations
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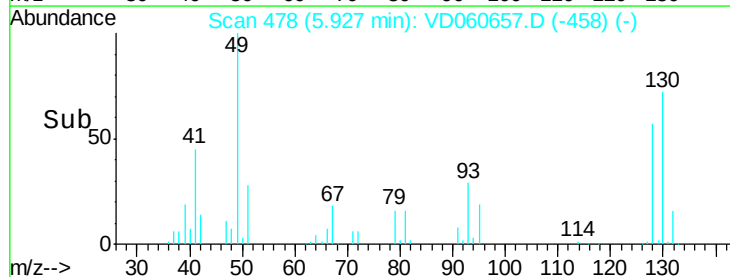
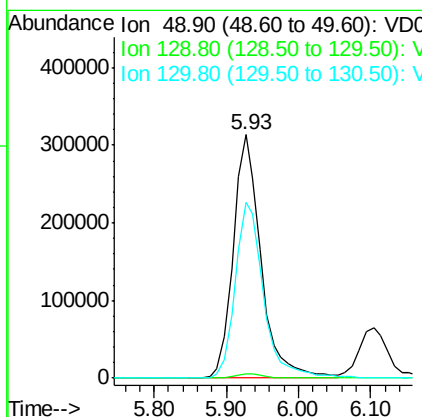
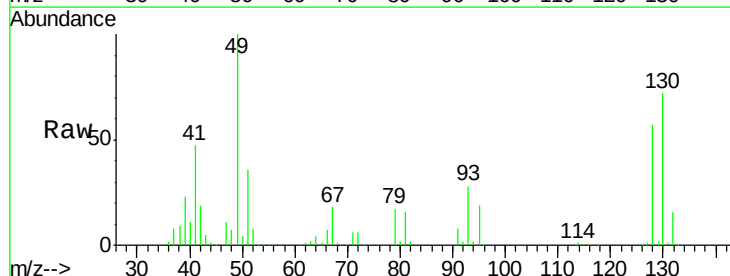
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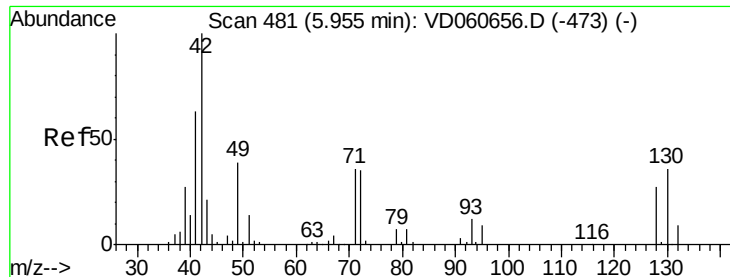


#28

Bromochloromethane
 Concen: 72.354 ug/l
 RT: 5.93 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: VD060657.D
 Acq: 20 Dec 2018 13:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	72.1	56.2	84.2





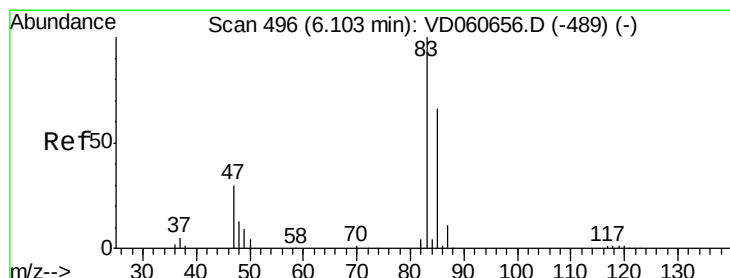
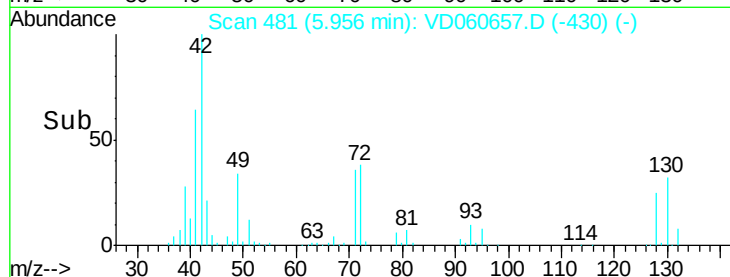
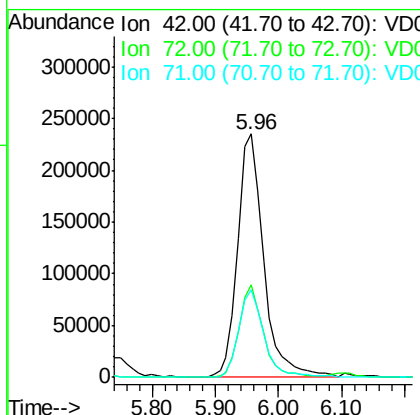
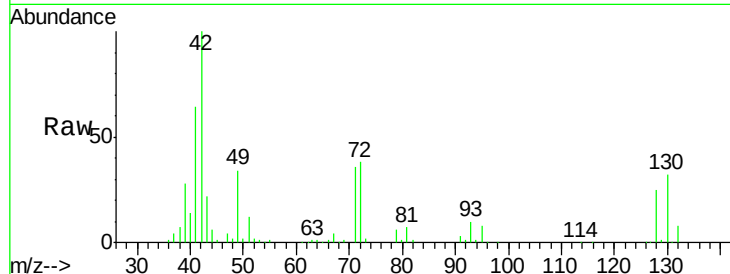
#29
Tetrahydrofuran
Concen: 330.858 ug/l
RT: 5.96 min Scan# 481
Delta R.T. 0.00 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 42 Resp: 671340
Ion Ratio Lower Upper
42 100
72 35.0 28.0 42.0
71 34.8 27.0 40.6

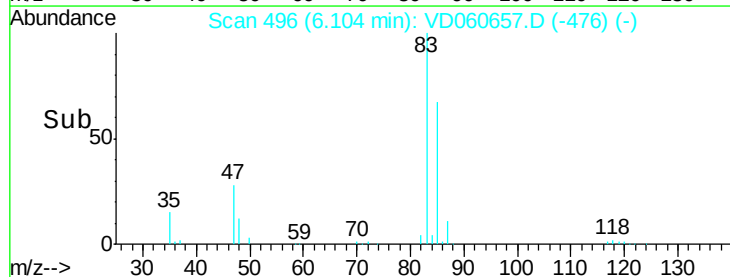
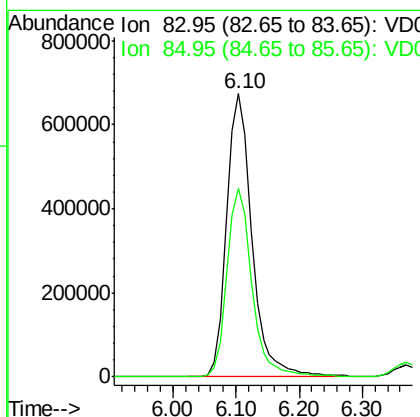
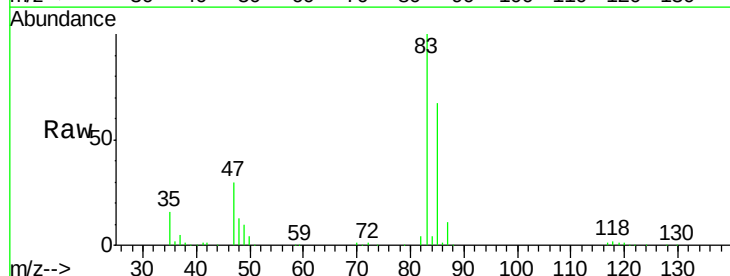
Manual Integrations
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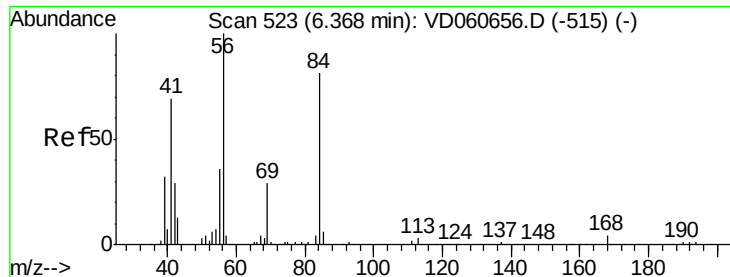
apatel
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#30
Chloroform
Concen: 66.457 ug/l
RT: 6.10 min Scan# 496
Delta R.T. 0.00 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Tgt Ion: 83 Resp: 1869855
Ion Ratio Lower Upper
83 100
85 66.7 53.0 79.6





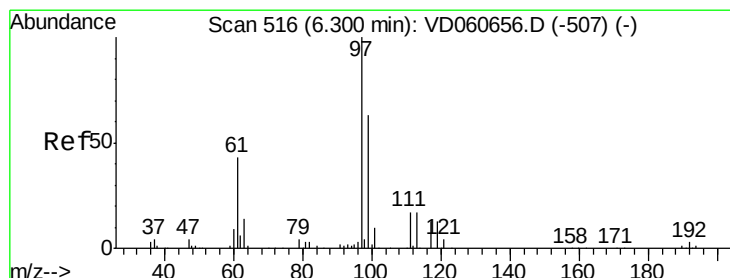
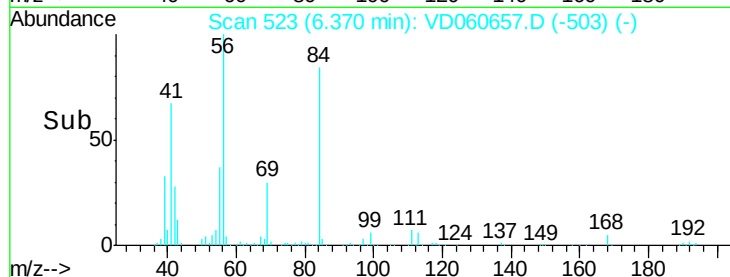
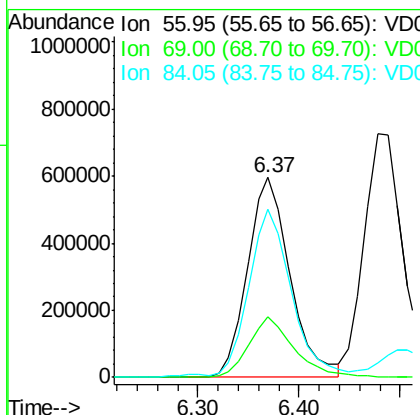
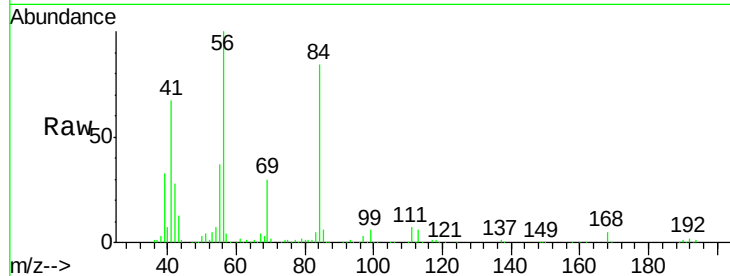
#31
Cyclohexane
Concen: 64.917 ug/l
RT: 6.37 min Scan# 523
Delta R.T. 0.00 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 56 Resp: 1743294
Ion Ratio Lower Upper
56 100
69 30.0 23.6 35.4
84 84.2 65.8 98.6

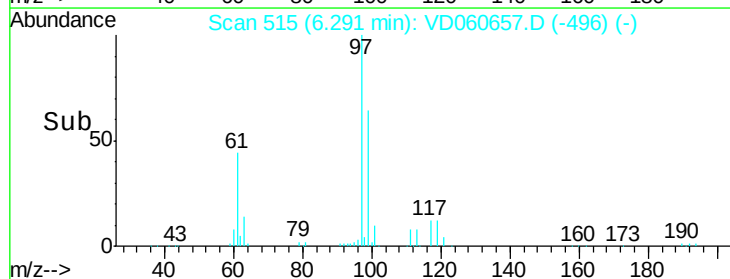
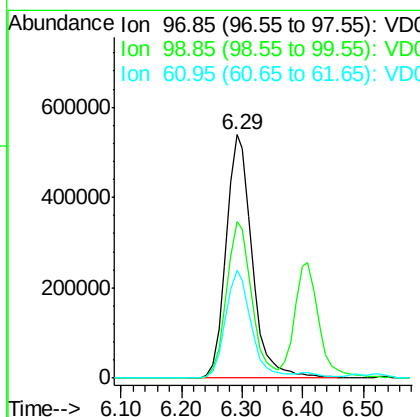
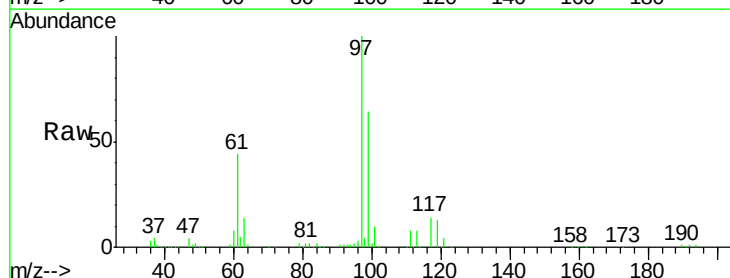
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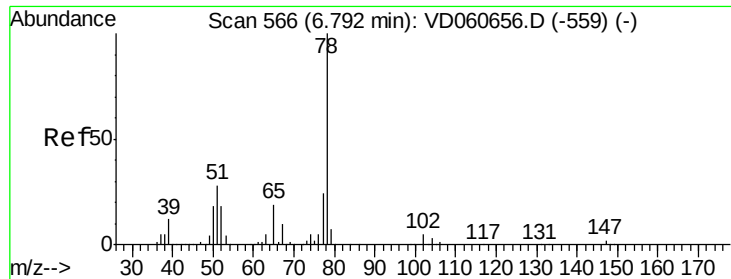
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#32
1,1,1-Trichloroethane
Concen: 68.687 ug/l
RT: 6.29 min Scan# 515
Delta R.T. -0.01 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Tgt Ion: 97 Resp: 1604993
Ion Ratio Lower Upper
97 100
99 64.3 50.5 75.7
61 44.5 34.6 51.8





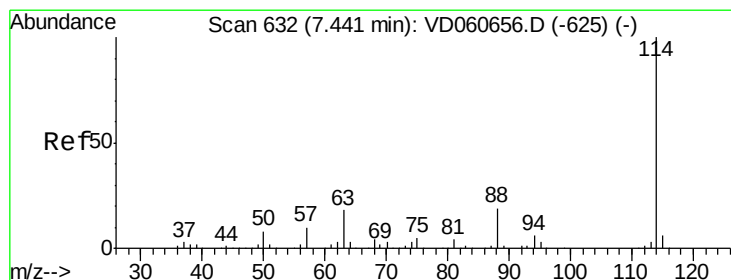
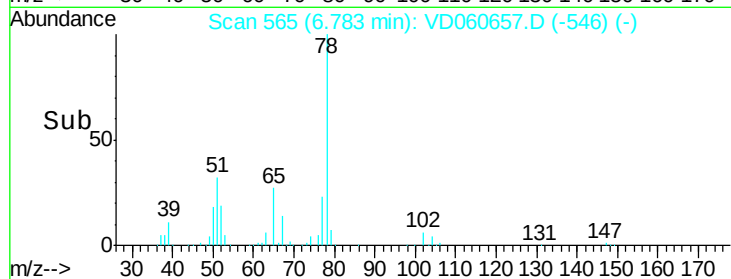
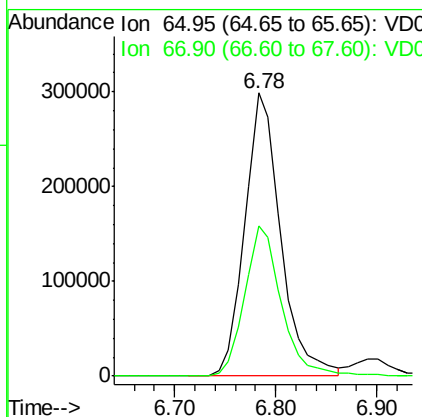
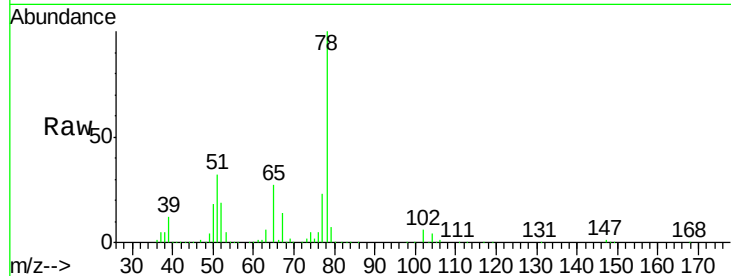
#33
 1,2-Dichloroethane-d4
 Concen: 68.687 ug/l
 RT: 6.78 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: VD060657.D
 Acq: 20 Dec 2018 13:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion: 65 Resp: 739563
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 105.4

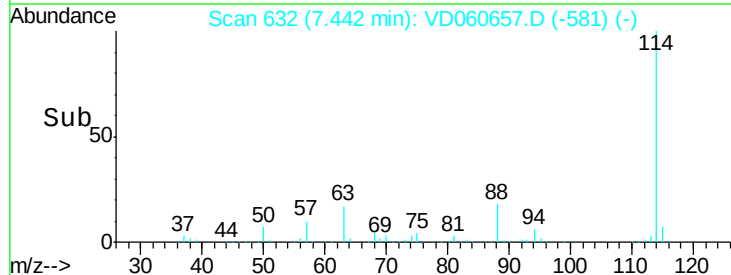
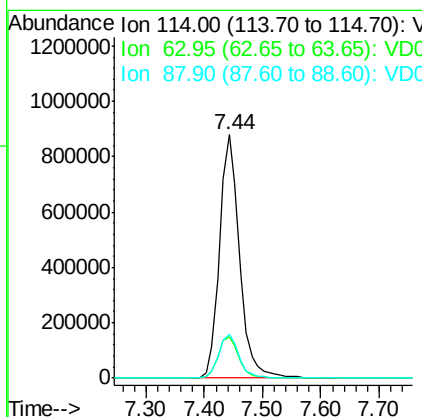
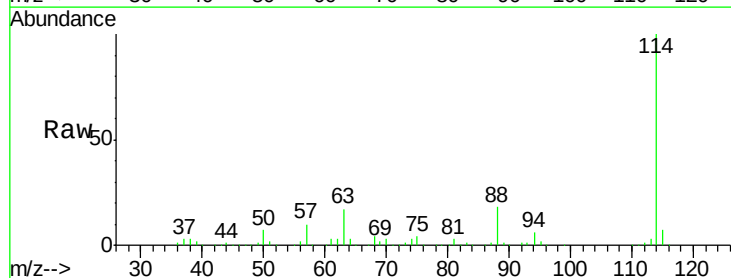
Manual Integrations
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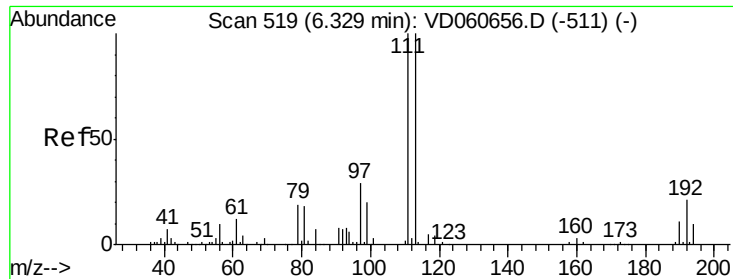
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VD060657.D
 Acq: 20 Dec 2018 13:55

Tgt Ion: 114 Resp: 2096894
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 36.2
 88 18.1 0.0 37.0





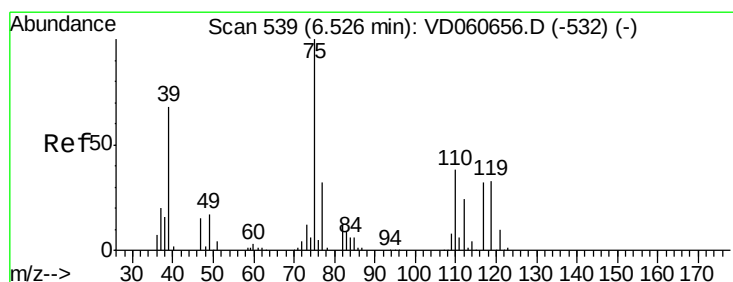
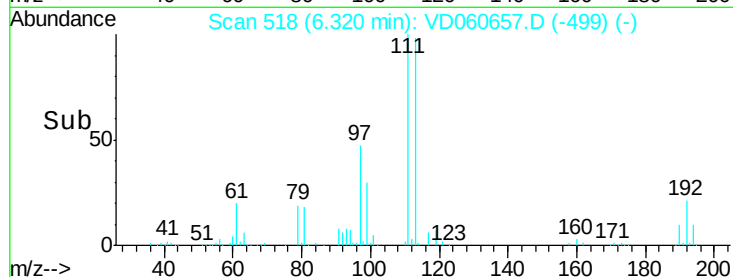
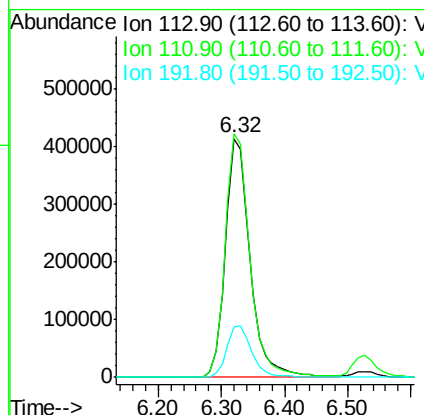
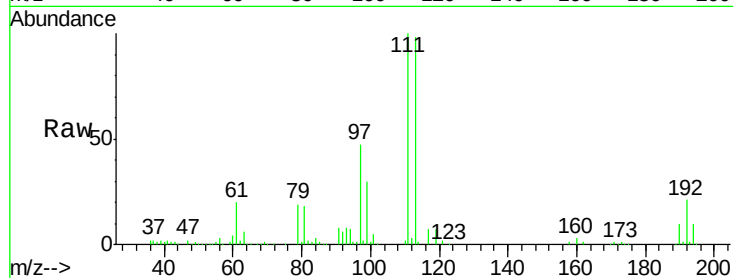
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.32 min Scan# 518
Delta R.T. -0.01 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 113 Resp: 1128300
Ion Ratio Lower Upper
113 100
111 101.8 80.0 120.0
192 21.1 16.6 25.0

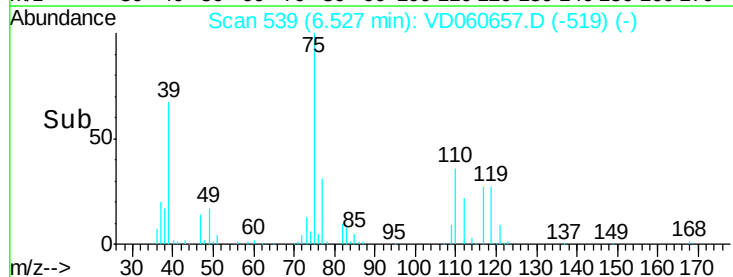
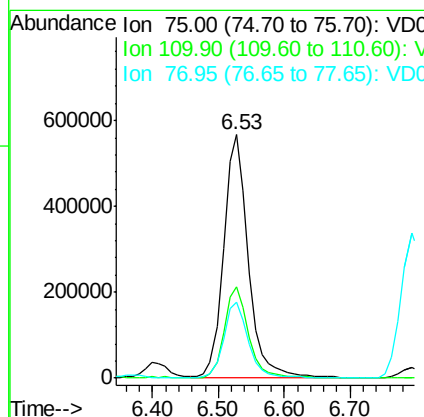
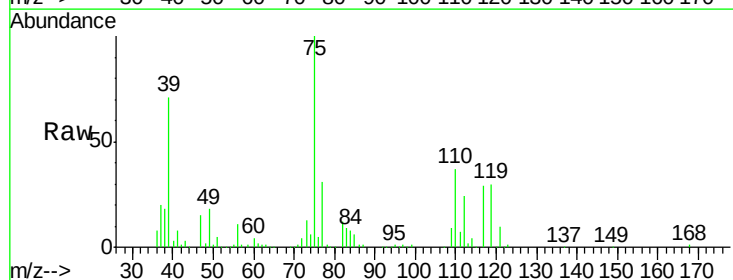
Manual Integrations
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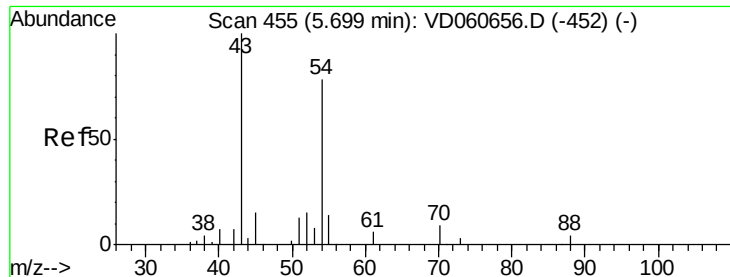
apatel
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#36
1,1-Dichloropropene
Concen: 65.159 ug/l
RT: 6.53 min Scan# 539
Delta R.T. 0.00 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Tgt Ion: 75 Resp: 1458642
Ion Ratio Lower Upper
75 100
110 37.4 18.9 56.7
77 31.1 25.4 38.0





#37

Ethyl Acetate

Concen: 63.144 ug/l

RT: 5.70 min Scan# 455

Delta R.T. 0.00 min

Lab File: VD060657.D

Acq: 20 Dec 2018 13:55

Instrument :

MSVOA_D

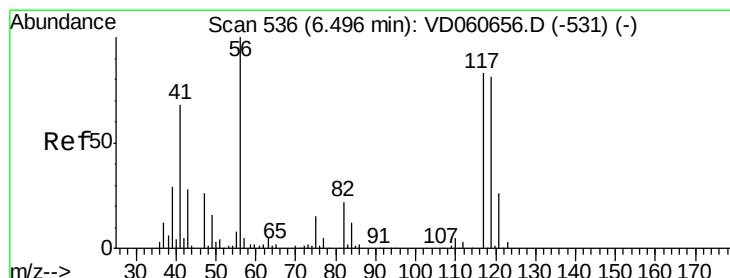
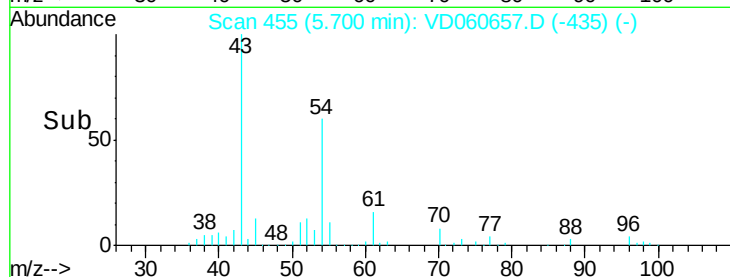
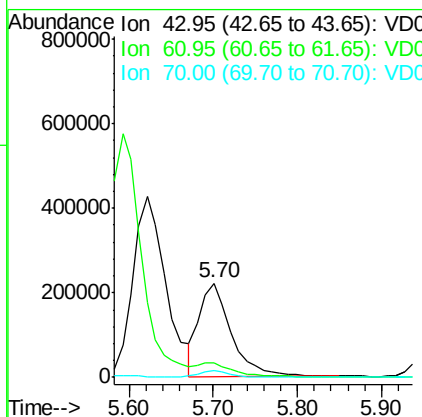
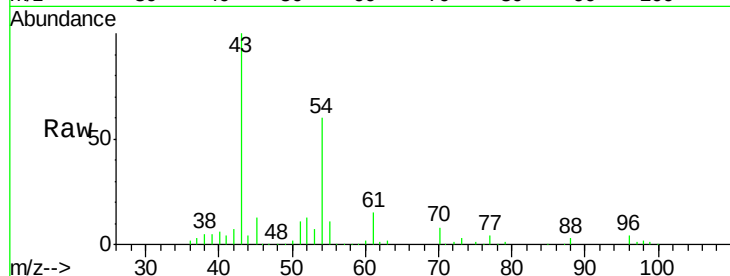
ClientSampleId :

VSTDIC075

Tgt Ion:	43	Resp:	583467
Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.8	17.6
70	7.8	5.8	8.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 64.919 ug/l

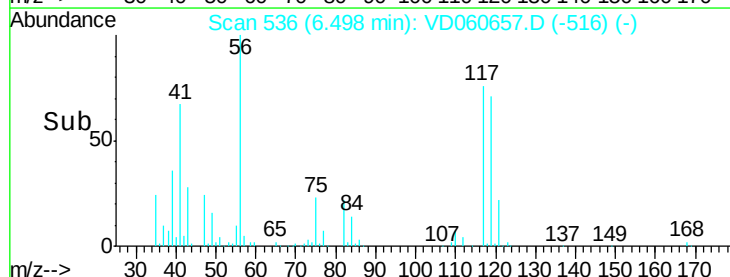
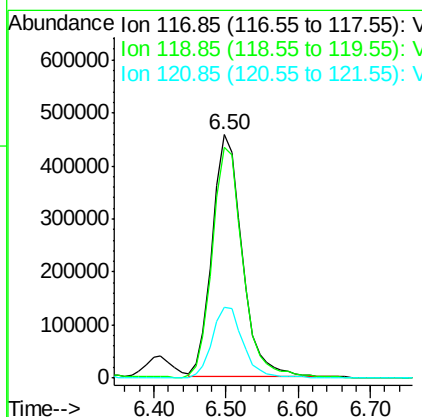
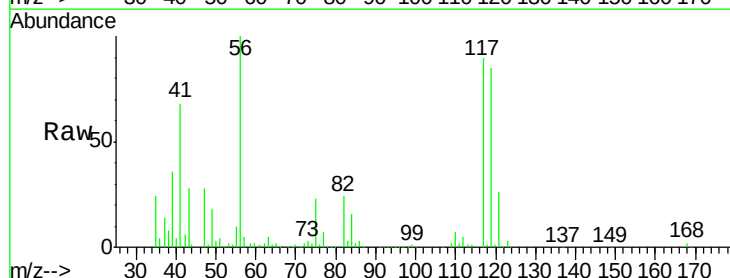
RT: 6.50 min Scan# 536

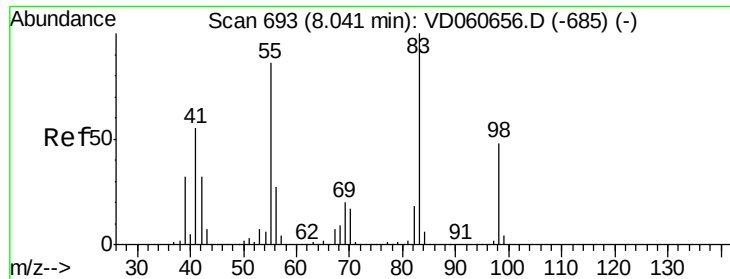
Delta R.T. 0.00 min

Lab File: VD060657.D

Acq: 20 Dec 2018 13:55

Tgt Ion:	117	Resp:	1311109
Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.0	115.4
121	29.2	24.7	37.1





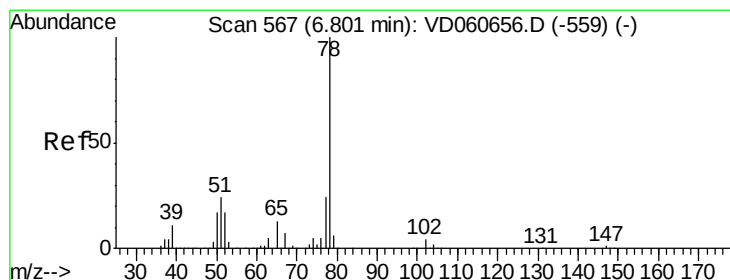
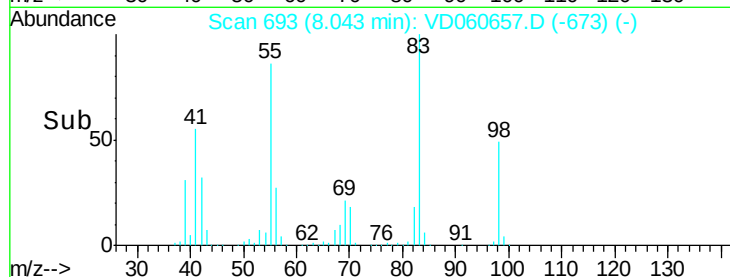
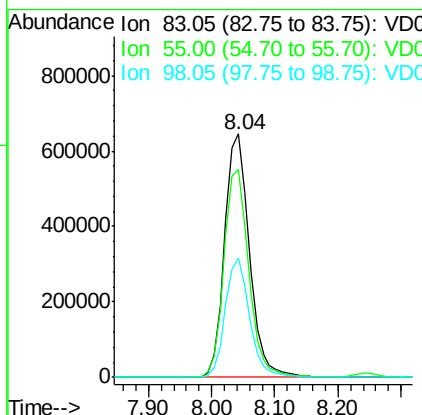
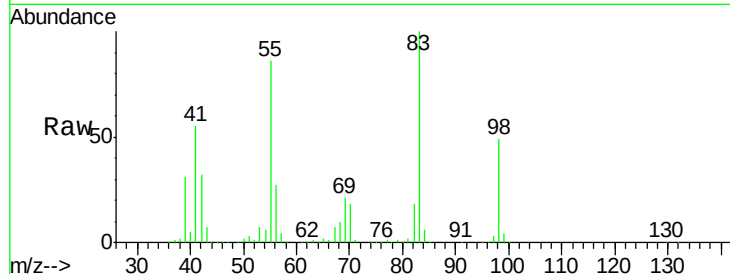
#39
Methylcyclohexane
Concen: 67.190 ug/l
RT: 8.04 min Scan# 693
Delta R.T. 0.00 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 83 Resp: 1764232
Ion Ratio Lower Upper
83 100
55 85.5 68.6 102.8
98 49.1 38.1 57.1

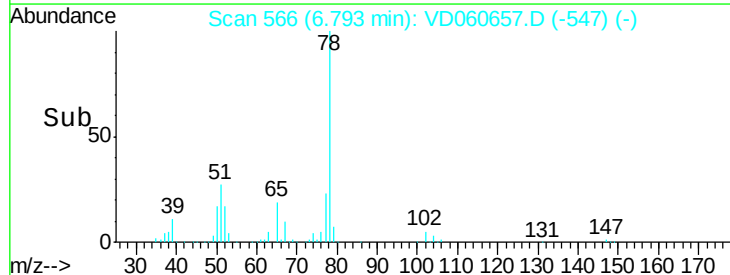
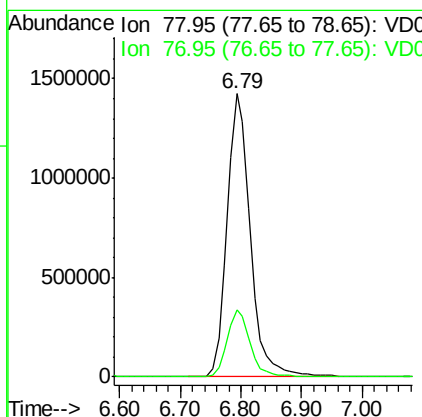
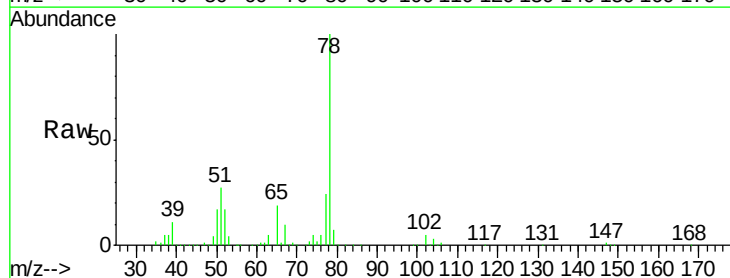
Manual Integrations
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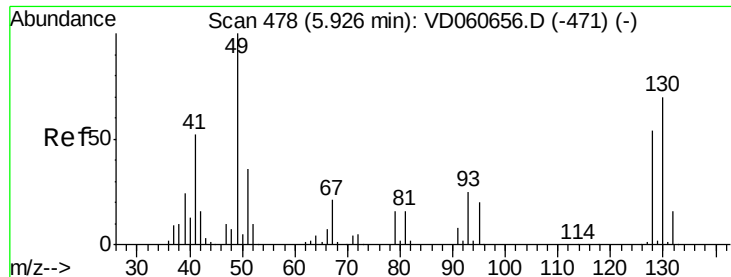
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#40
Benzene
Concen: 65.293 ug/l
RT: 6.79 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Tgt Ion: 78 Resp: 3792564
Ion Ratio Lower Upper
78 100
77 23.7 19.2 28.8





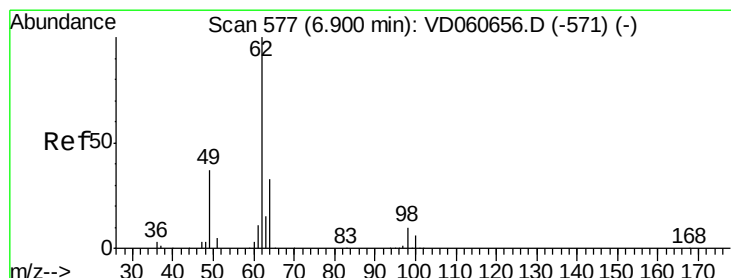
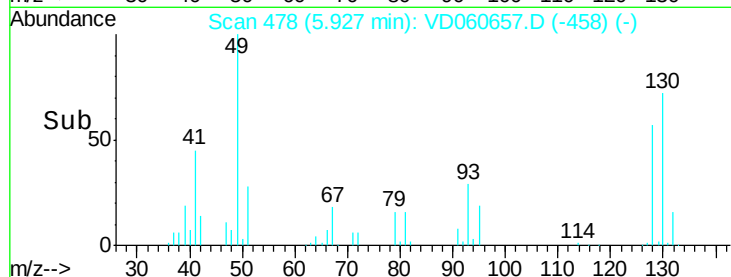
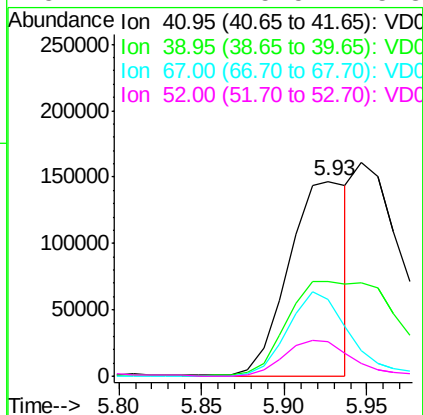
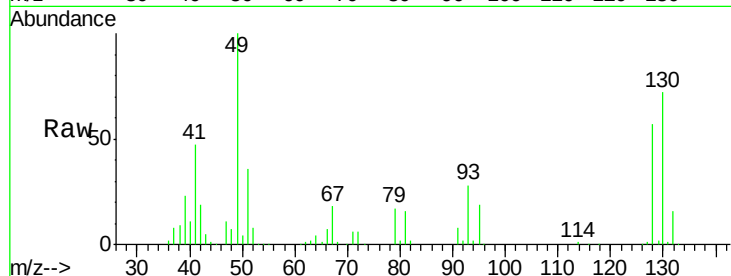
#41
Methacrylonitrile
Concen: 67.669 ug/l m
RT: 5.93 min Scan# 478
Delta R.T. 0.00 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion	Ratio	Lower	Upper
41	100		
39	48.4	37.6	56.4
67	39.4	33.0	49.6
52	17.7	15.5	23.3

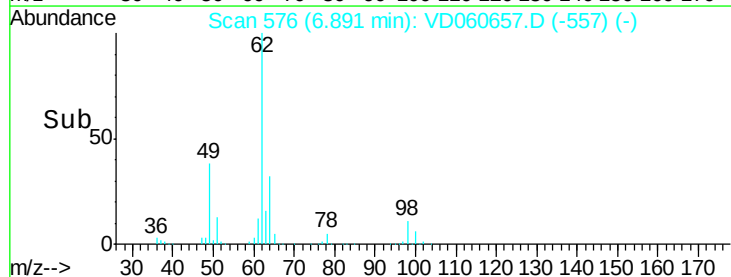
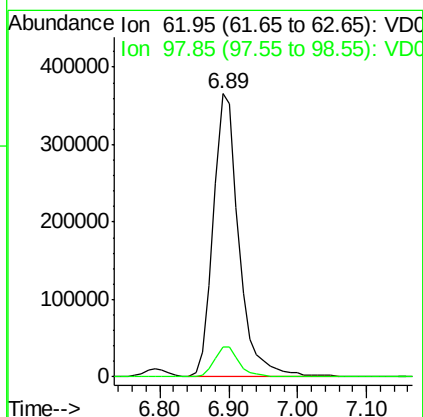
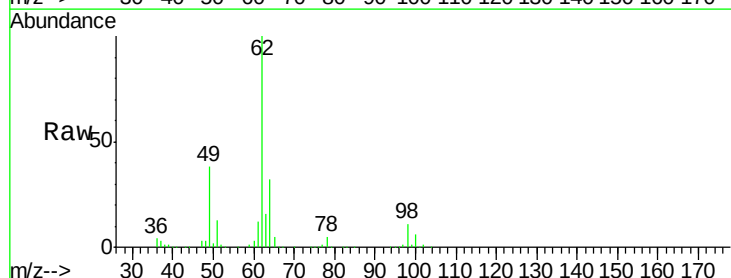
Manual Integrations
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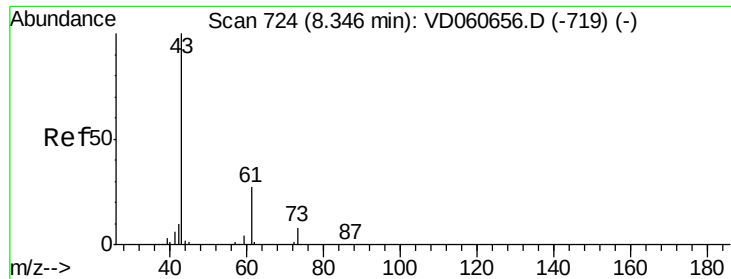
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#42
1,2-Dichloroethane
Concen: 64.852 ug/l
RT: 6.89 min Scan# 576
Delta R.T. -0.01 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.4





#43

Isopropyl Acetate

Concen: 65.413 ug/l

RT: 8.35 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD060657.D

Acq: 20 Dec 2018 13:55

Instrument :

MSVOA_D

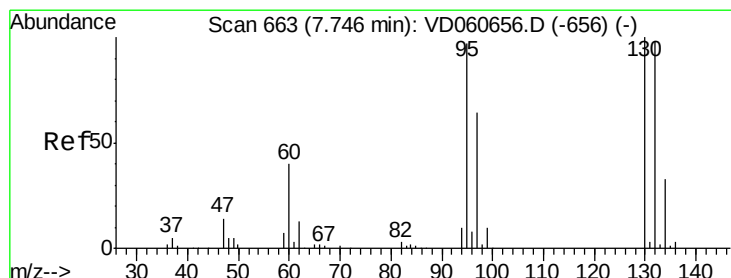
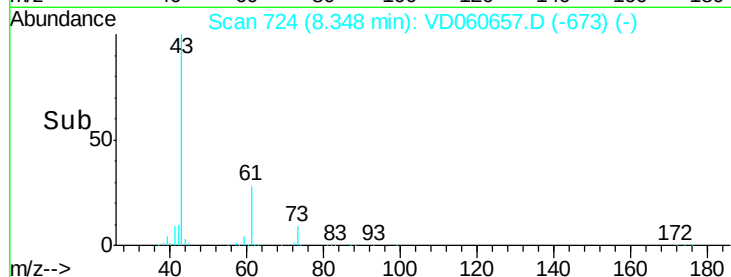
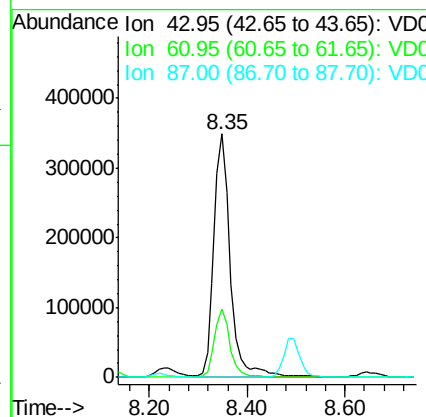
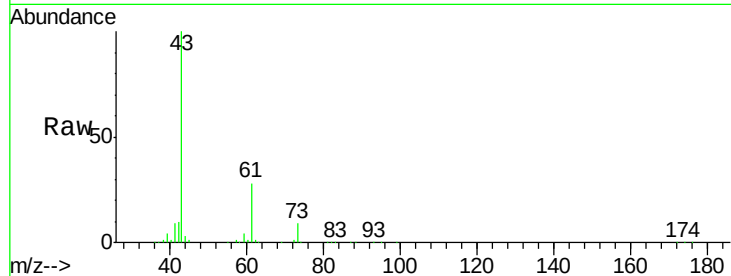
ClientSampleId :

VSTDIC075

Tgt Ion:	43	Resp:	820865
Ion	Ratio	Lower	Upper
43	100		
61	28.1	21.8	32.8
87	0.3	0.2	0.4

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#44

Trichloroethene

Concen: 66.813 ug/l

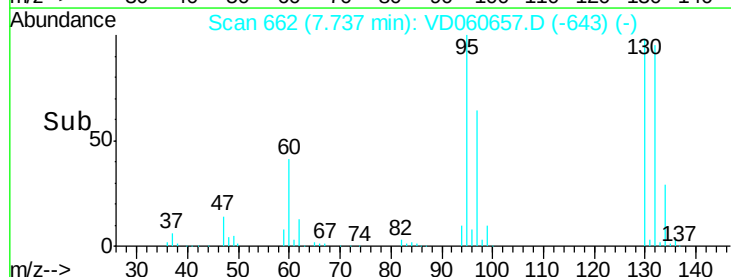
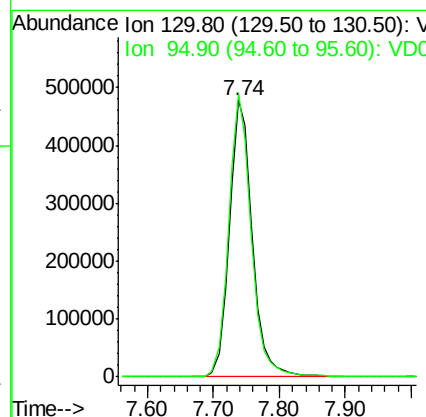
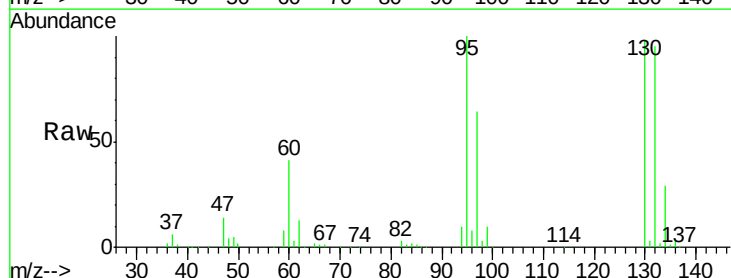
RT: 7.74 min Scan# 662

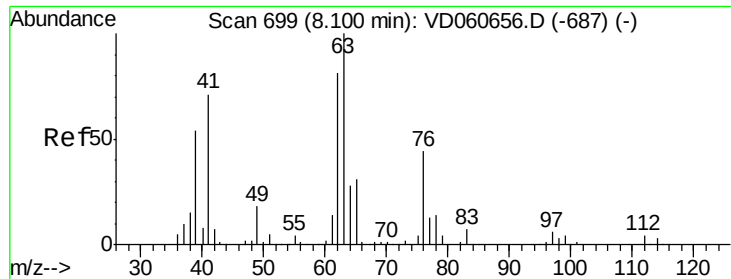
Delta R.T. -0.01 min

Lab File: VD060657.D

Acq: 20 Dec 2018 13:55

Tgt Ion:	130	Resp:	1161318
Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	193.6





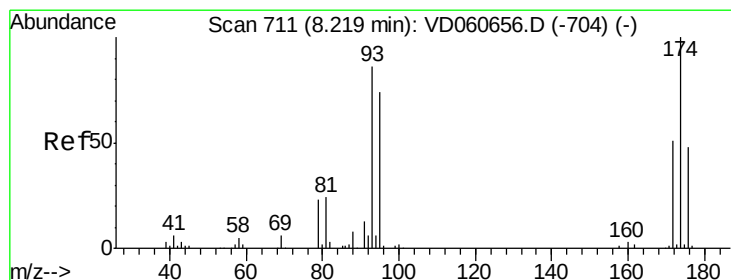
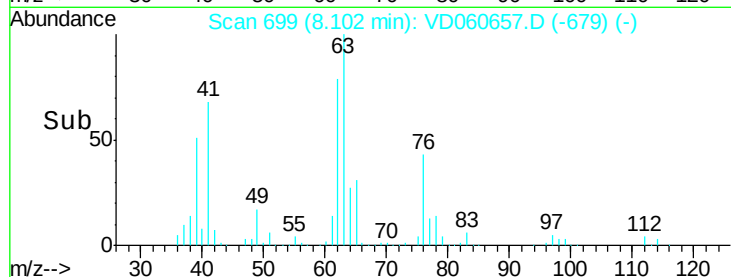
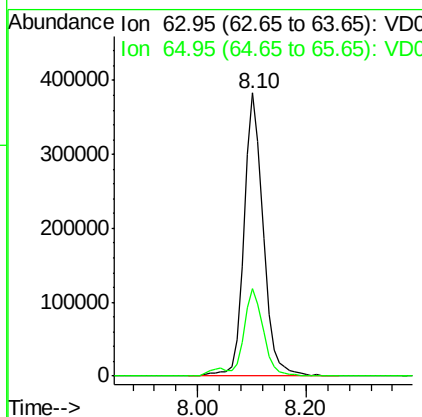
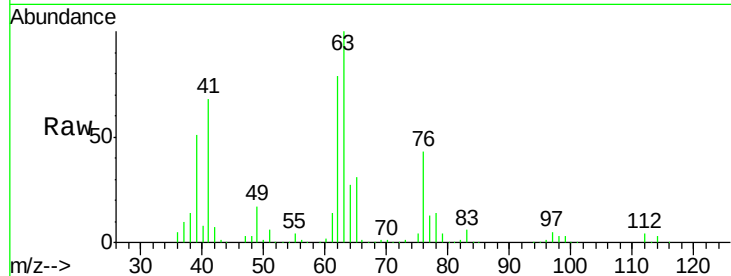
#45
 1,2-Dichloropropane
 Concen: 66.770 ug/l
 RT: 8.10 min Scan# 699
 Delta R.T. 0.00 min
 Lab File: VD060657.D
 Acq: 20 Dec 2018 13:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion: 63 Resp: 941939
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.0 37.6

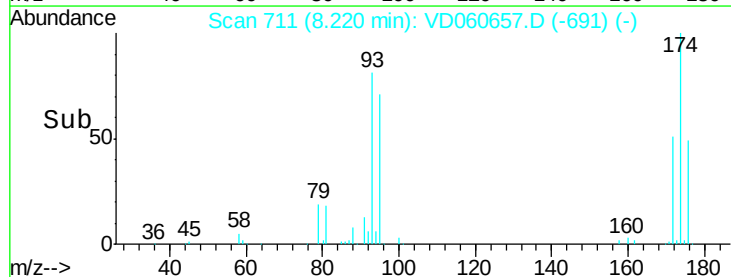
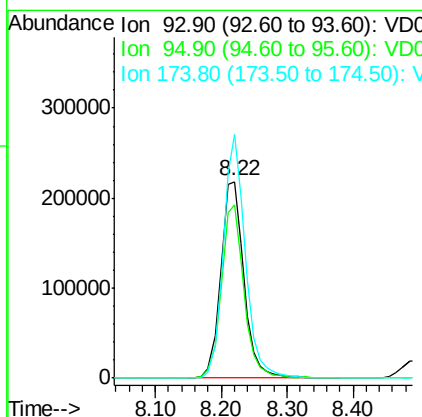
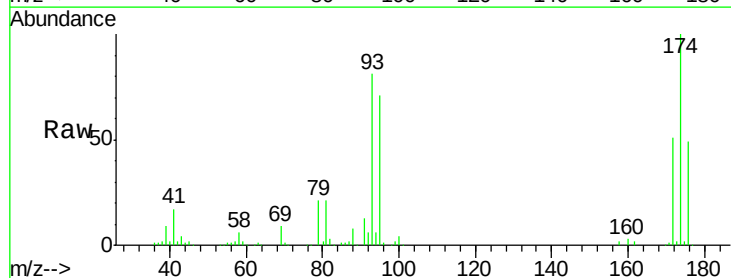
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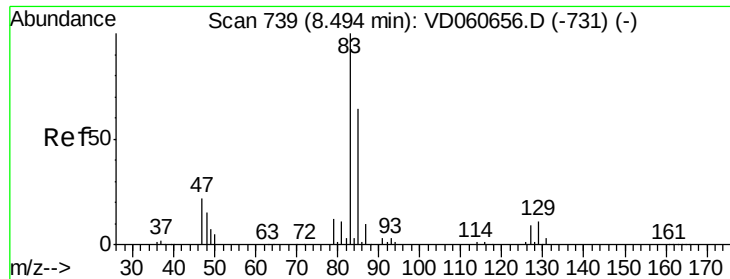
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#46
 Dibromomethane
 Concen: 65.547 ug/l
 RT: 8.22 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: VD060657.D
 Acq: 20 Dec 2018 13:55

Tgt Ion: 93 Resp: 536313
 Ion Ratio Lower Upper
 93 100
 95 88.3 68.8 103.2
 174 123.9 93.0 139.4





#47

Bromodichloromethane

Concen: 65.680 ug/l

RT: 8.49 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD060657.D

Acq: 20 Dec 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 83 Resp: 1299277

Ion Ratio Lower Upper

83 100

85 65.2 51.1 76.7

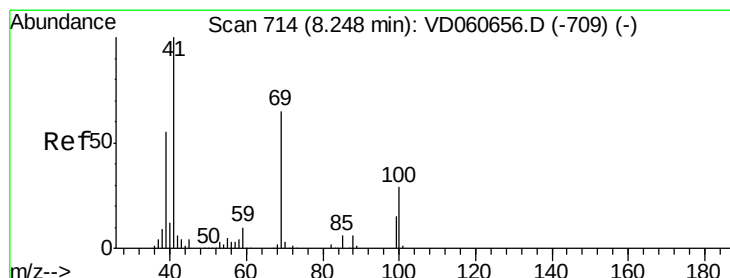
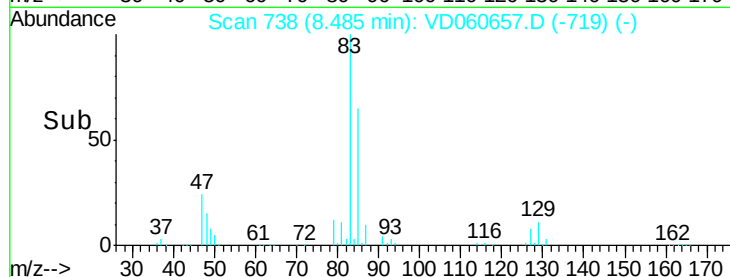
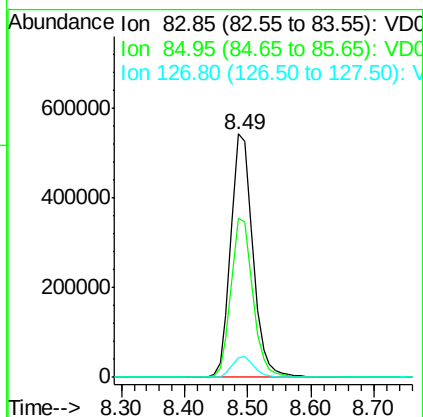
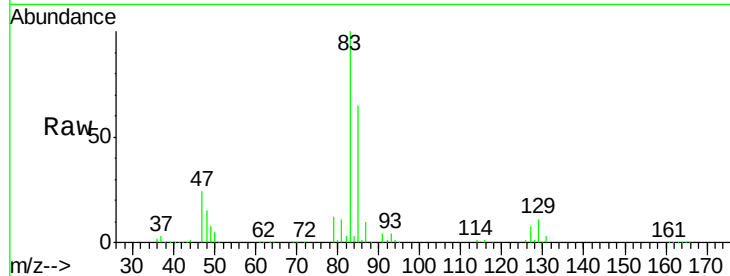
127 8.2 7.0 10.6

Manual Integrations

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#48

Methyl methacrylate

Concen: 64.555 ug/l

RT: 8.24 min Scan# 713

Delta R.T. -0.01 min

Lab File: VD060657.D

Acq: 20 Dec 2018 13:55

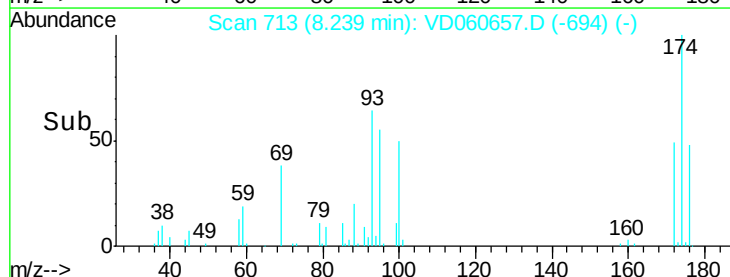
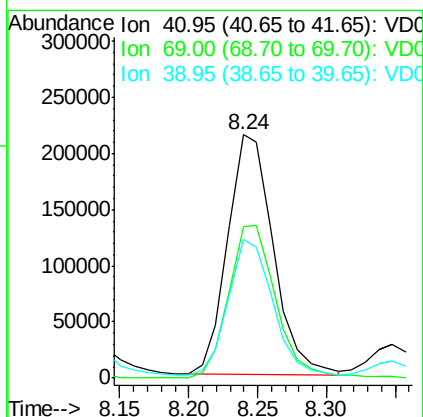
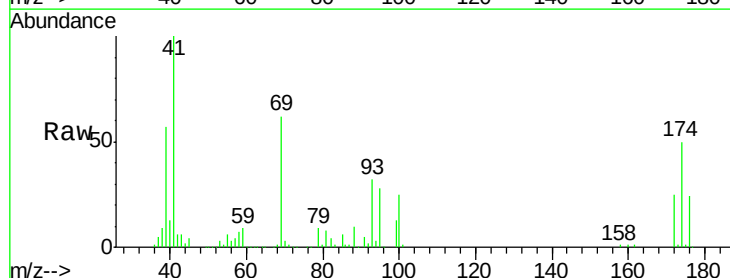
Tgt Ion: 41 Resp: 493110

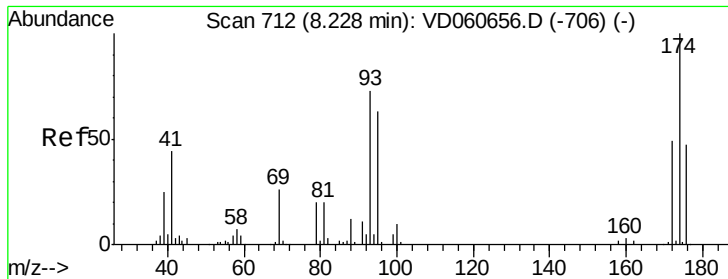
Ion Ratio Lower Upper

41 100

69 62.3 51.2 76.8

39 57.1 44.6 67.0





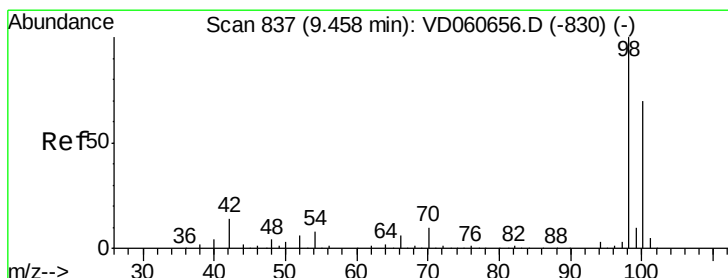
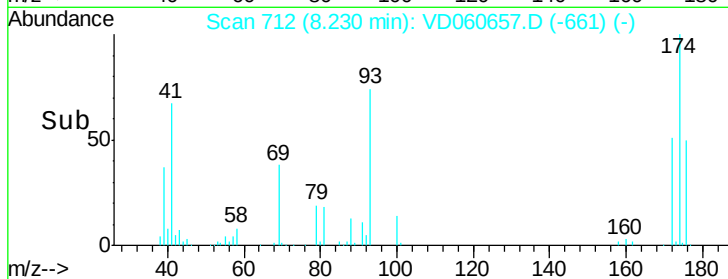
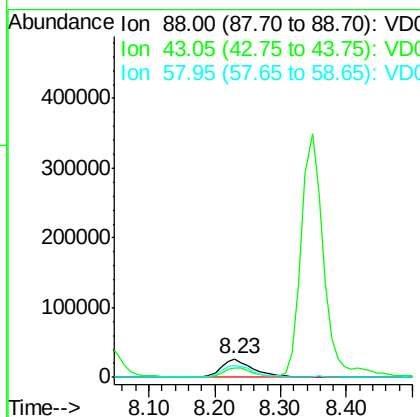
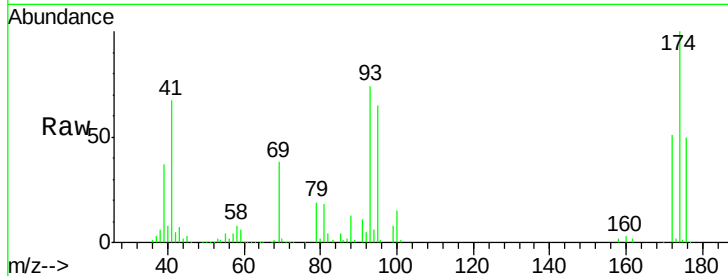
#49
 1,4-Dioxane
 Concen: 1258.125 ug/l
 RT: 8.23 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VD060657.D
 Acq: 20 Dec 2018 13:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	89986		
43	50.0	31.5	47.3#	
58	63.6	50.6	76.0	

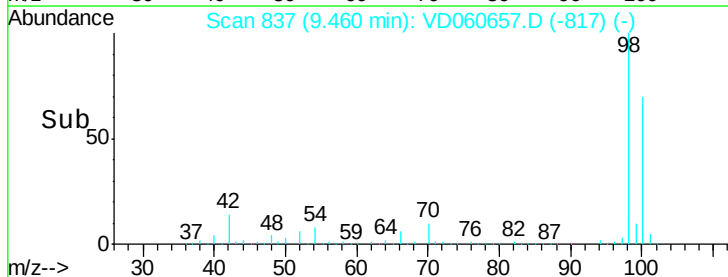
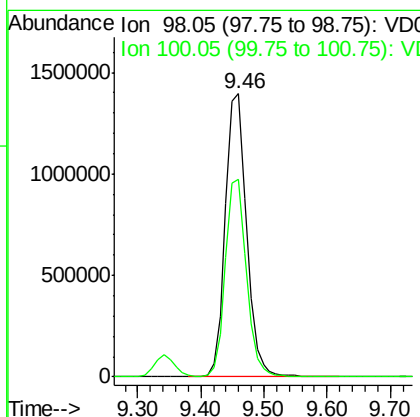
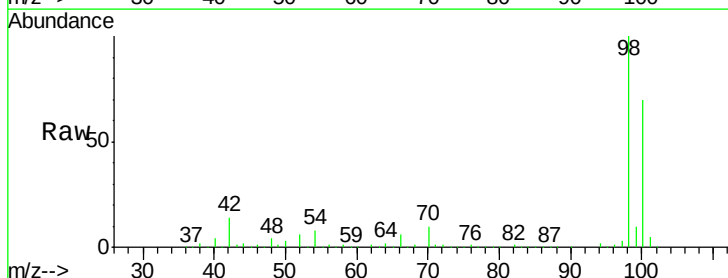
Manual Integrations
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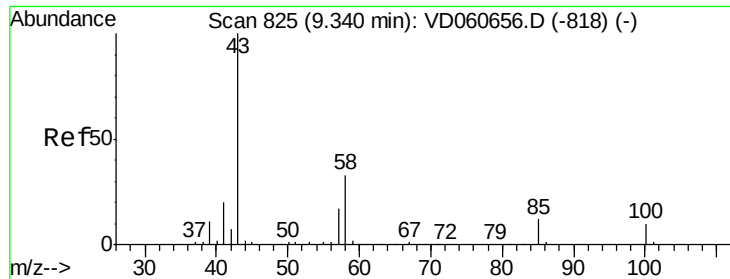
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#50
 Toluene-d8
 Concen: 1258.125 ug/l
 RT: 9.46 min Scan# 837
 Delta R.T. 0.00 min
 Lab File: VD060657.D
 Acq: 20 Dec 2018 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	3267985		
100	69.9	55.8	83.8	





#51

4-Methyl-2-Pentanone

Concen: 308.228 ug/l

RT: 9.34 min Scan# 825

Delta R.T. 0.00 min

Lab File: VD060657.D

Acq: 20 Dec 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 43 Resp: 2372229

Ion Ratio Lower Upper

43 100

58 34.3

26.3

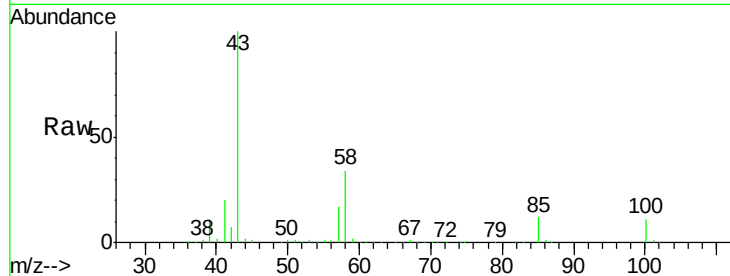
39.5

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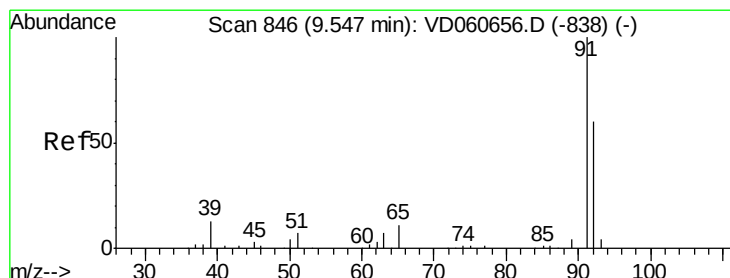
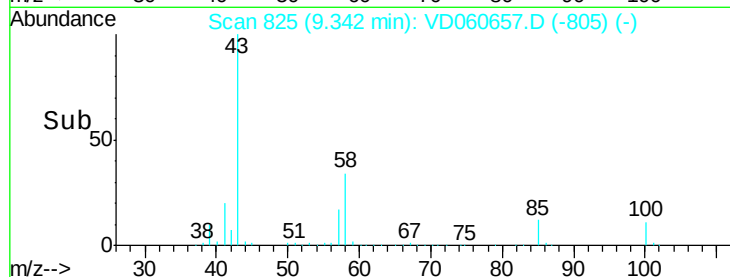
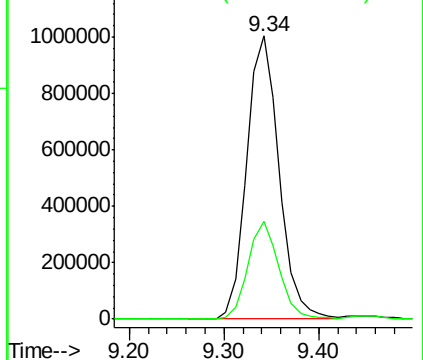
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 63.864 ug/l

RT: 9.55 min Scan# 846

Delta R.T. 0.00 min

Lab File: VD060657.D

Acq: 20 Dec 2018 13:55

Tgt Ion: 92 Resp: 2355879

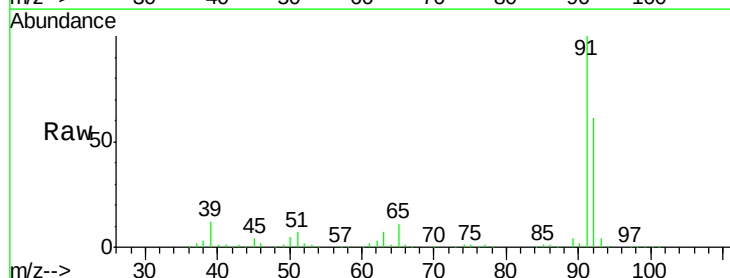
Ion Ratio Lower Upper

92 100

91 164.4

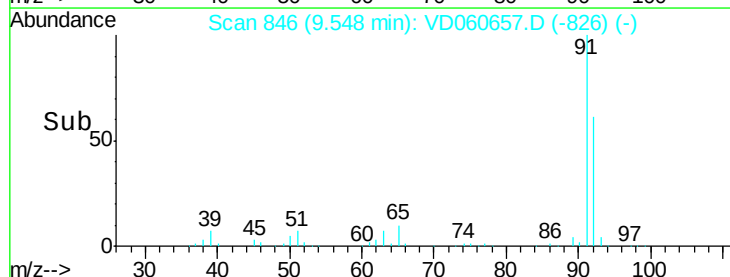
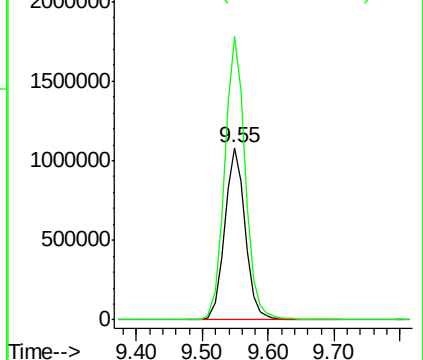
132.6

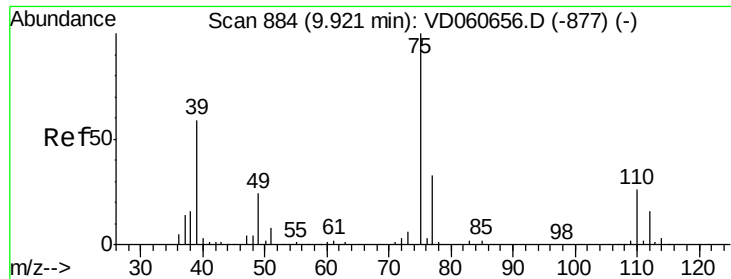
199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 64.707 ug/l

RT: 9.92 min Scan# 884

Delta R.T. 0.00 min

Lab File: VD060657.D

Acq: 20 Dec 2018 13:55

Tgt Ion: 75 Resp: 1086825

Ion Ratio Lower Upper

75 100

77 32.6 26.0 39.0

Instrument :

MSVOA_D

ClientSampleId :

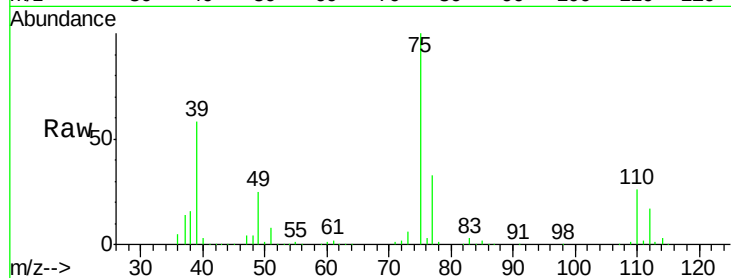
VSTDIC075

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.92

500000

400000

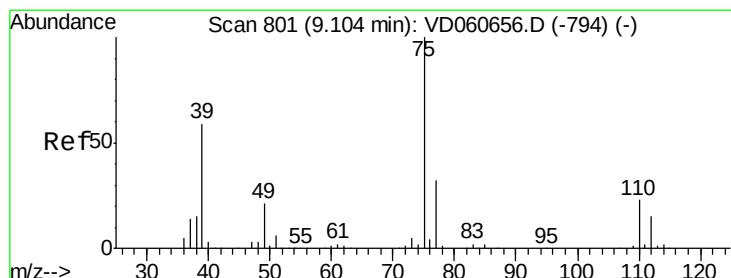
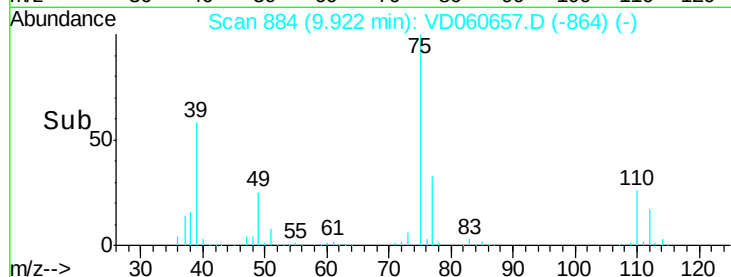
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 62.550 ug/l

RT: 9.11 min Scan# 801

Delta R.T. 0.00 min

Lab File: VD060657.D

Acq: 20 Dec 2018 13:55

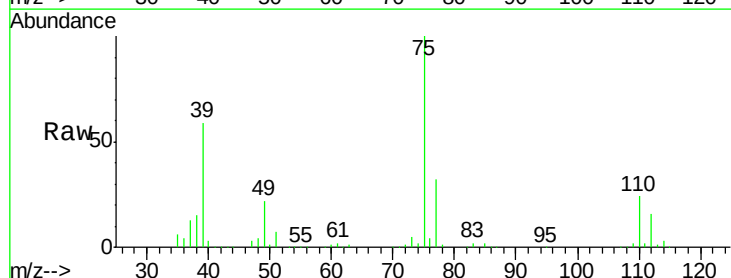
Tgt Ion: 75 Resp: 1373258

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.2

39 58.8 47.0 70.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.11

800000

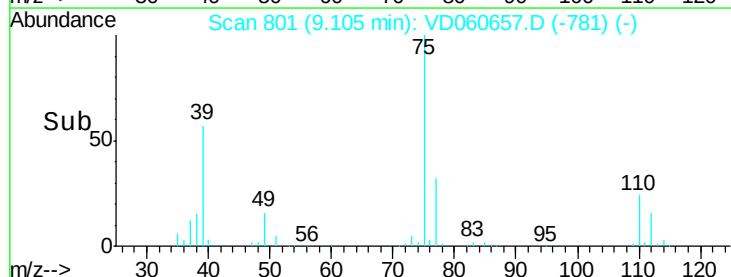
600000

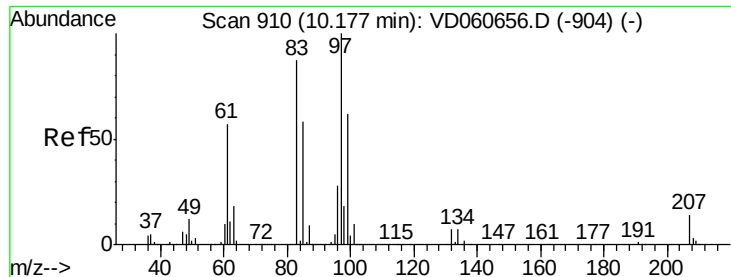
400000

200000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 65.687 ug/l

RT: 10.18 min Scan# 910

Delta R.T. 0.00 min

Lab File: VD060657.D

Acq: 20 Dec 2018 13:55

Instrument :

MSVOA_D

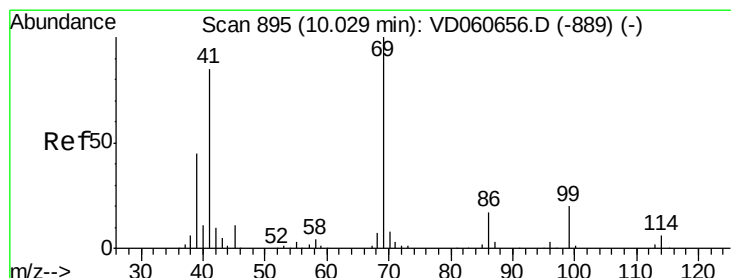
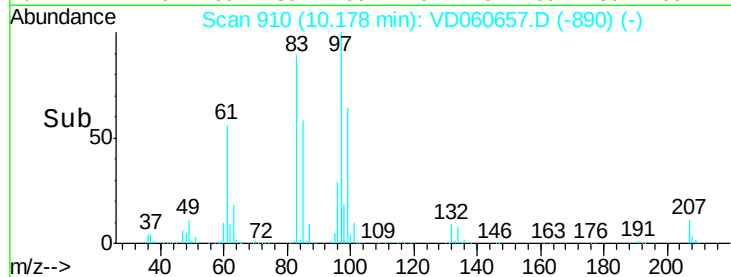
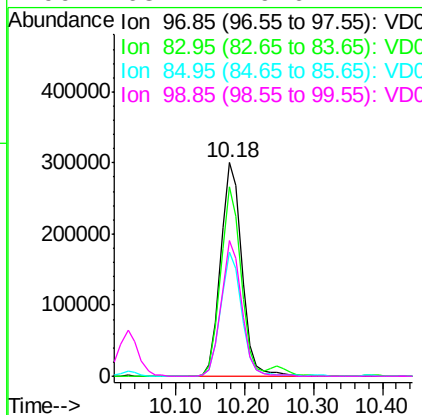
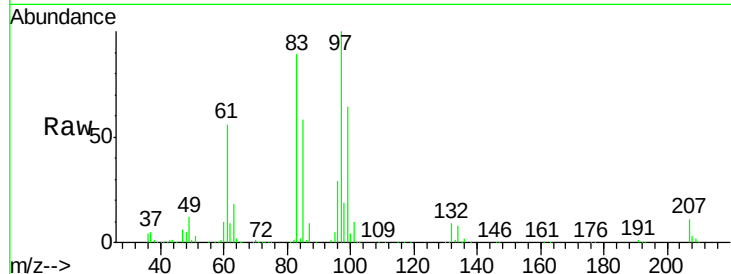
ClientSampleId :

VSTDIC075

Tgt Ion:	97	Resp:	642580
Ion	Ratio	Lower	Upper
97	100		
83	88.8	70.0	105.0
85	58.4	46.6	70.0
99	63.7	49.6	74.4

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#56

Ethyl methacrylate

Concen: 63.111 ug/l

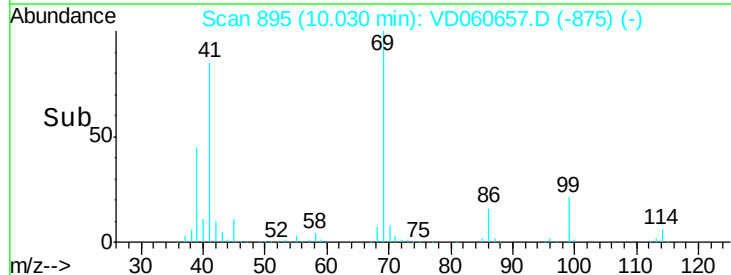
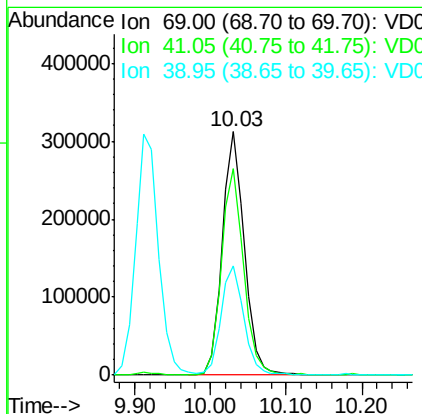
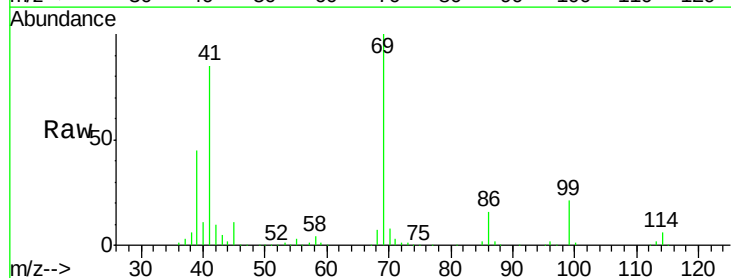
RT: 10.03 min Scan# 895

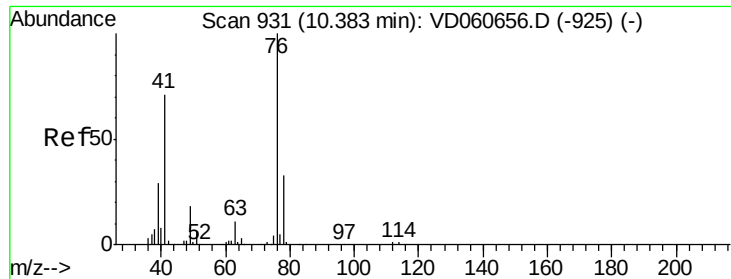
Delta R.T. 0.00 min

Lab File: VD060657.D

Acq: 20 Dec 2018 13:55

Tgt Ion:	69	Resp:	631539
Ion	Ratio	Lower	Upper
69	100		
41	84.9	68.3	102.5
39	45.0	37.2	55.8





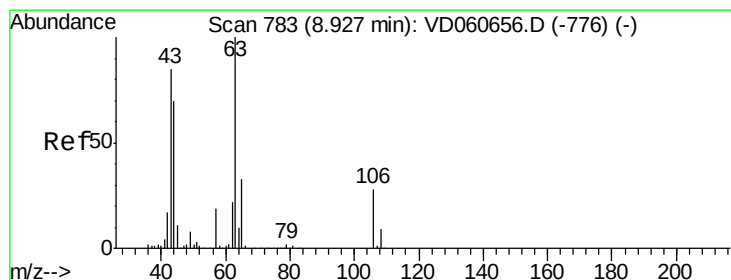
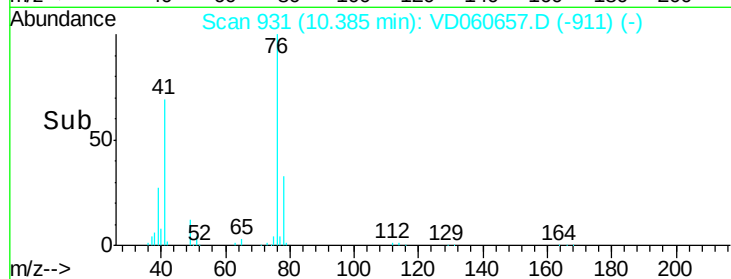
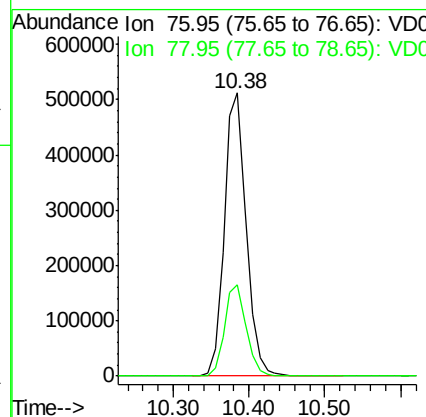
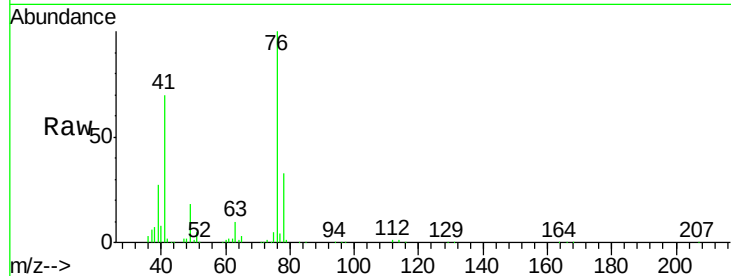
#57
 1,3-Dichloropropane
 Concen: 65.837 ug/l
 RT: 10.38 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VD060657.D
 Acq: 20 Dec 2018 13:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion: 76 Resp: 1027105
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.1 39.1

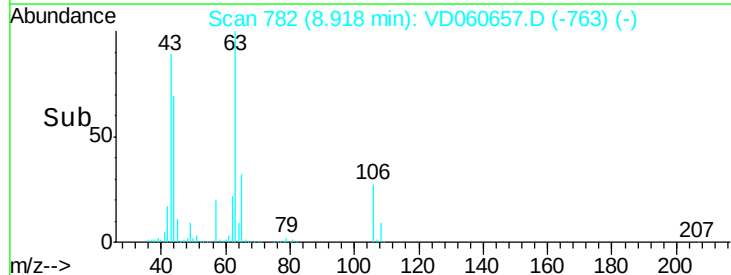
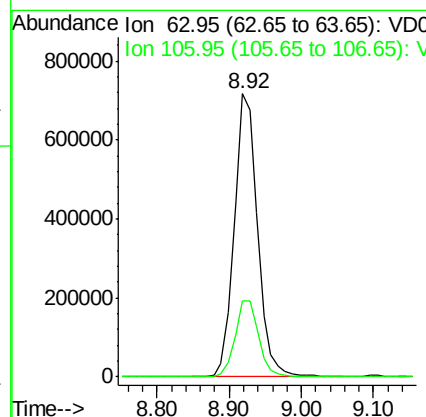
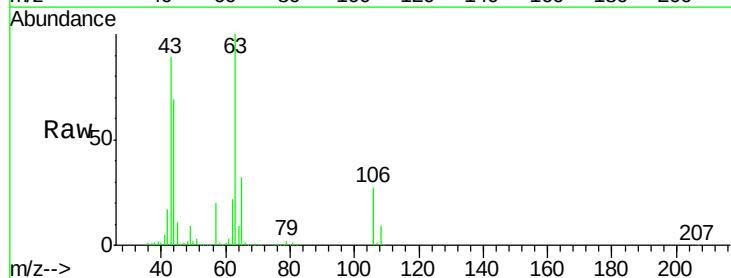
Manual Integrations
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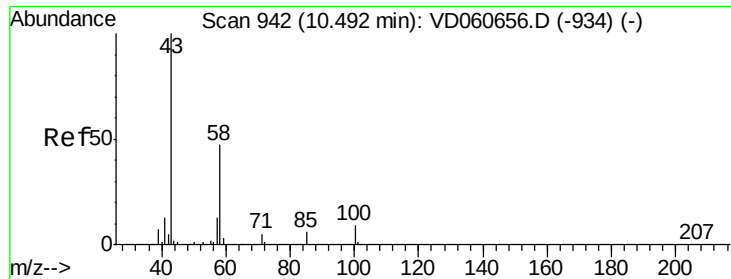
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#58
 2-Chloroethyl Vinyl ether
 Concen: 306.015 ug/l
 RT: 8.92 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: VD060657.D
 Acq: 20 Dec 2018 13:55

Tgt Ion: 63 Resp: 1615830
 Ion Ratio Lower Upper
 63 100
 106 26.9 22.4 33.6





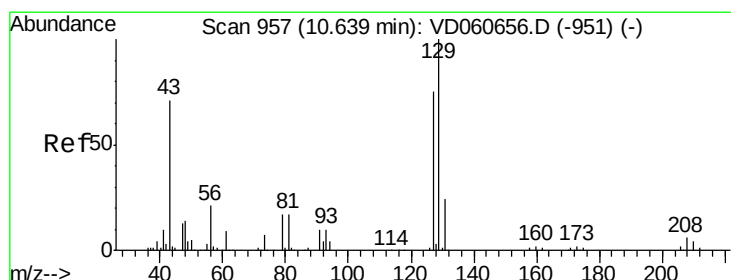
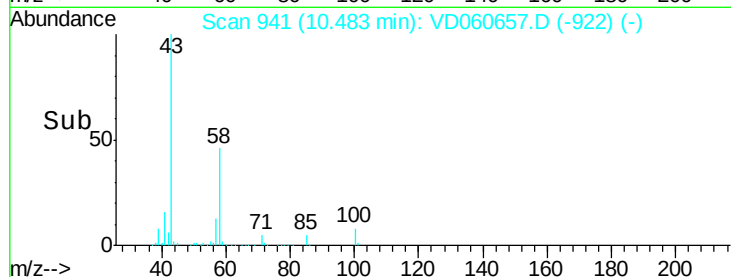
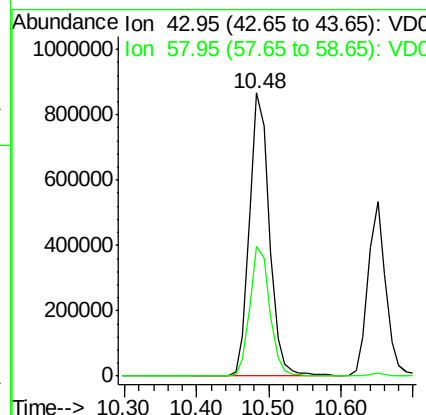
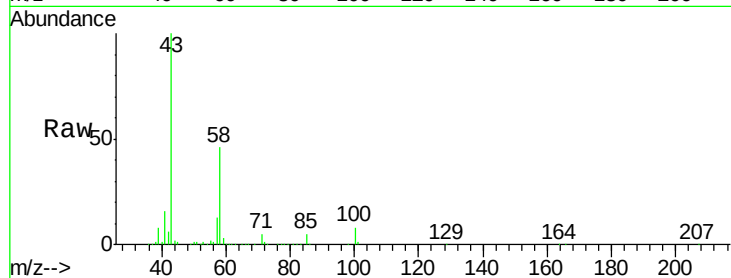
#59
2-Hexanone
Concen: 310.273 ug/l
RT: 10.48 min Scan# 941
Delta R.T. -0.01 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 43 Resp: 1696734
Ion Ratio Lower Upper
43 100
58 45.7 23.5 70.5

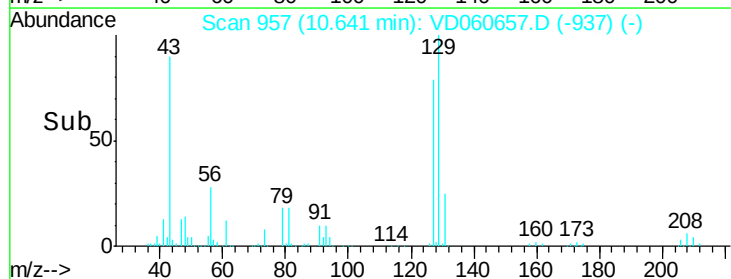
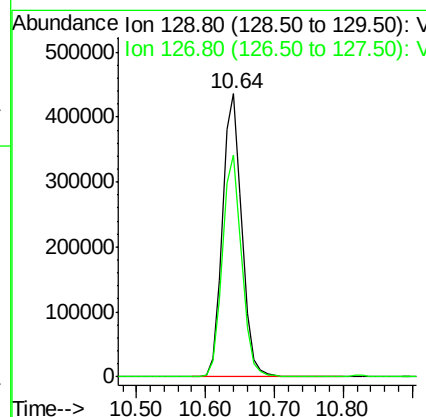
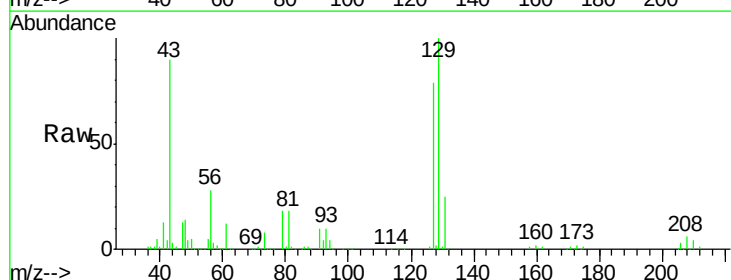
Manual Integrations
APPROVED

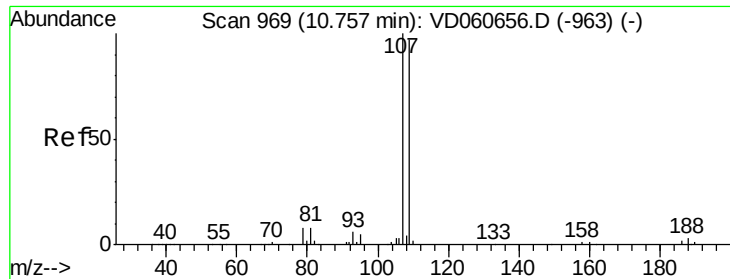
apatel
12/21/2018 11:32:41 AM



#60
Dibromochloromethane
Concen: 63.693 ug/l
RT: 10.64 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Tgt Ion: 129 Resp: 844844
Ion Ratio Lower Upper
129 100
127 78.6 37.6 112.9





#61

1,2-Dibromoethane

Concen: 65.071 ug/l

RT: 10.76 min Scan# 969

Delta R.T. 0.00 min

Lab File: VD060657.D

Acq: 20 Dec 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 107 Resp: 684734

Ion Ratio Lower Upper

107 100

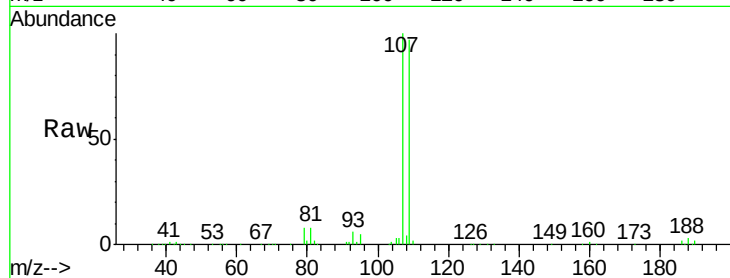
109 96.7 78.0 117.0

Manual Integrations

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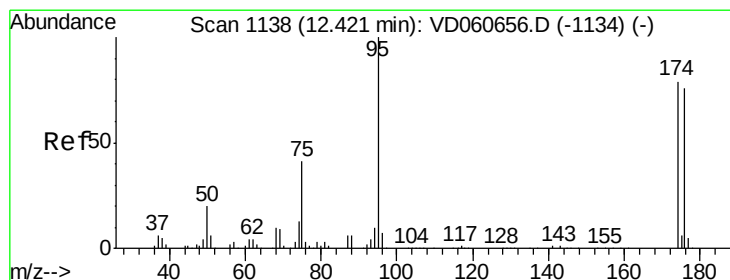
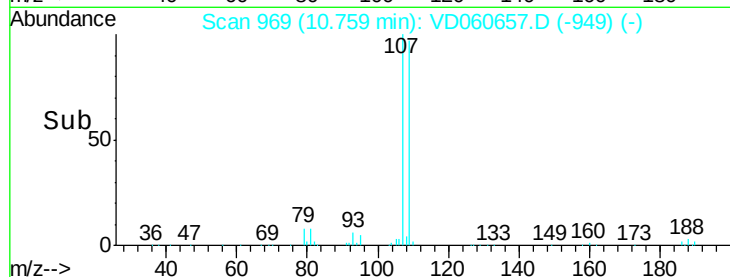
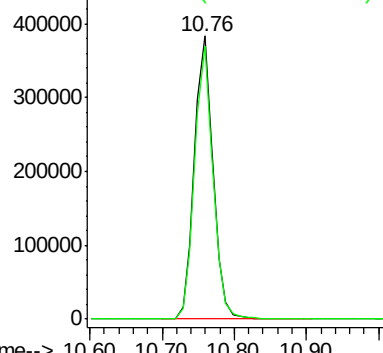
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 65.071 ug/l

RT: 12.42 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VD060657.D

Acq: 20 Dec 2018 13:55

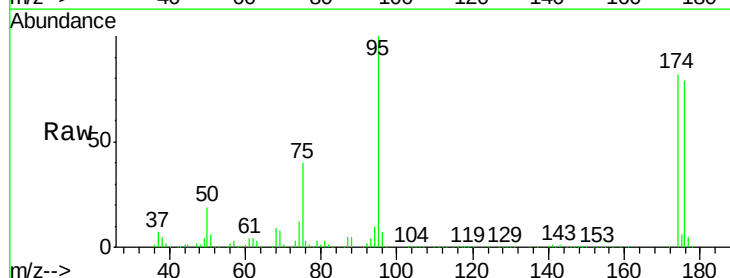
Tgt Ion: 95 Resp: 1152277

Ion Ratio Lower Upper

95 100

174 82.4 0.0 158.2

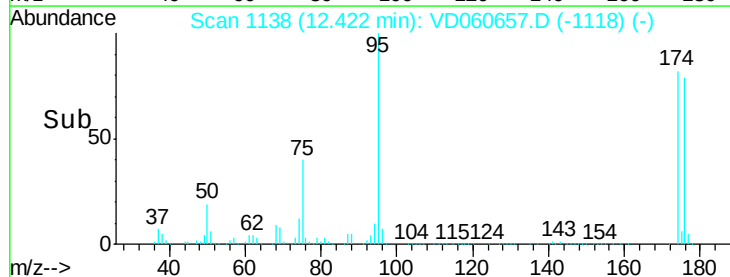
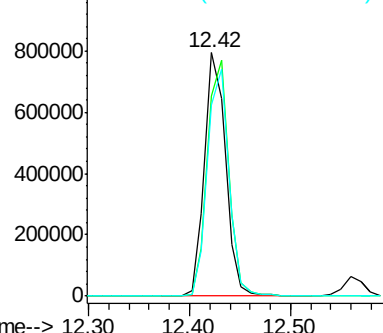
176 78.7 0.0 152.4

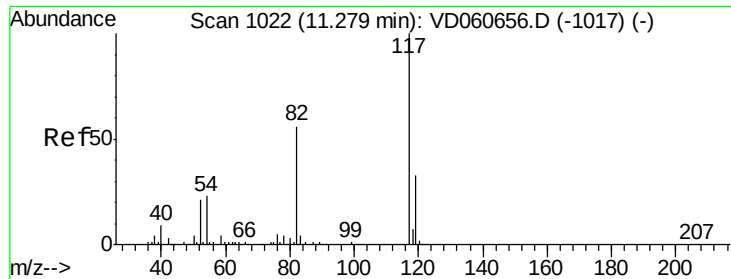


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





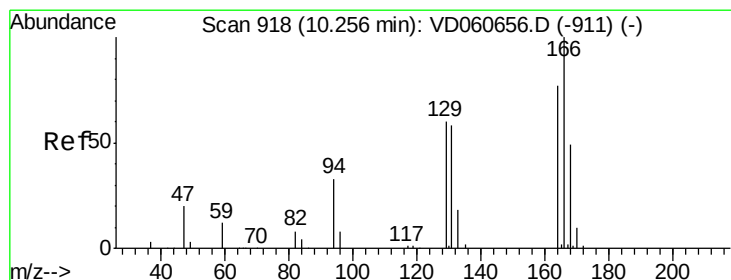
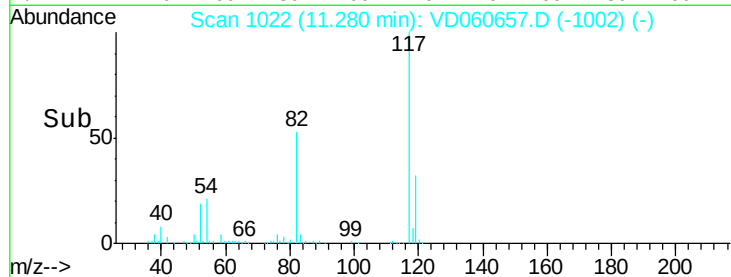
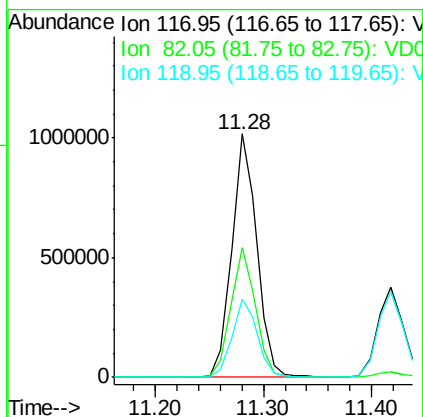
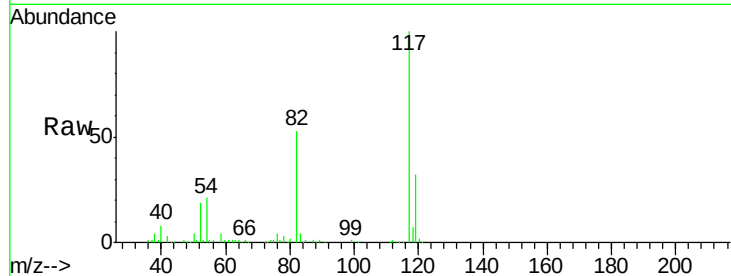
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 1022
Delta R.T. 0.00 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion:117 Resp: 1635999
Ion Ratio Lower Upper
117 100
82 53.1 44.5 66.7
119 32.1 26.3 39.5

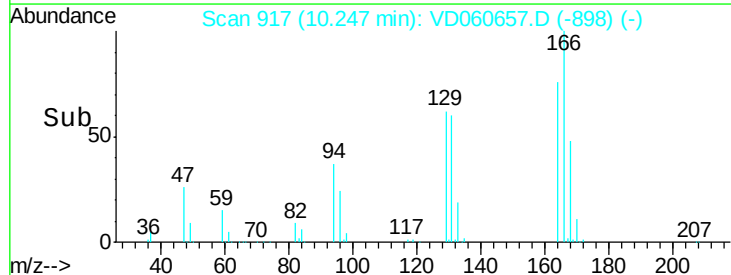
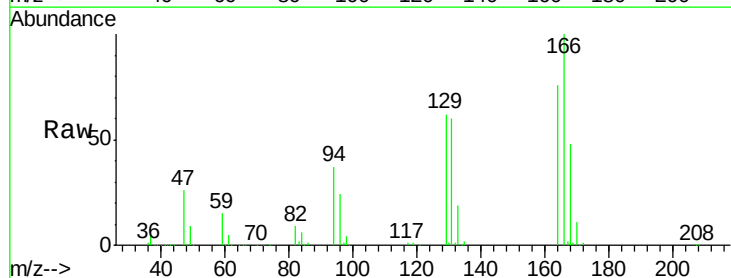
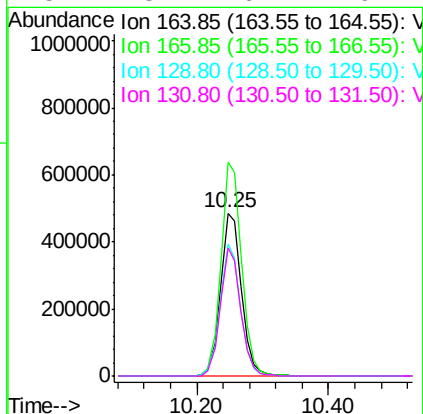
Manual Integrations
APPROVED

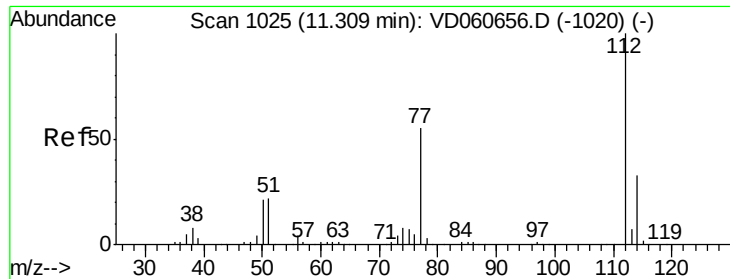
apatel
12/21/2018 11:32:41 AM



#64
Tetrachloroethene
Concen: 67.704 ug/l
RT: 10.25 min Scan# 917
Delta R.T. -0.01 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Tgt Ion:164 Resp: 1071075
Ion Ratio Lower Upper
164 100
166 130.9 104.4 156.6
129 81.0 62.7 94.1
131 78.7 61.1 91.7





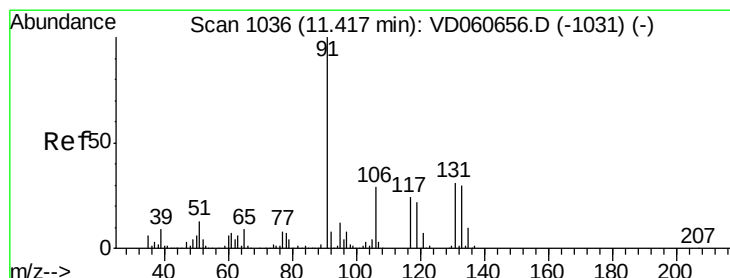
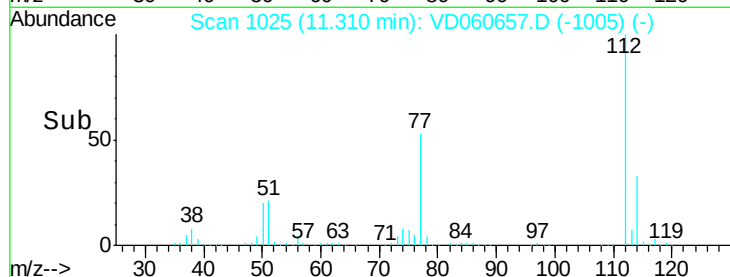
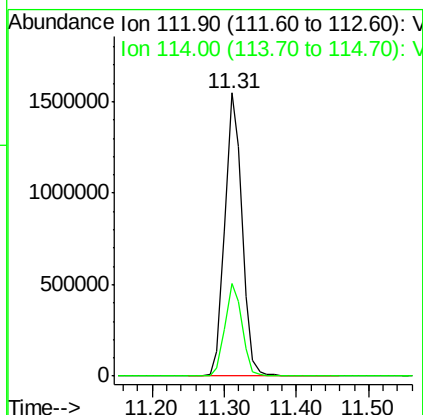
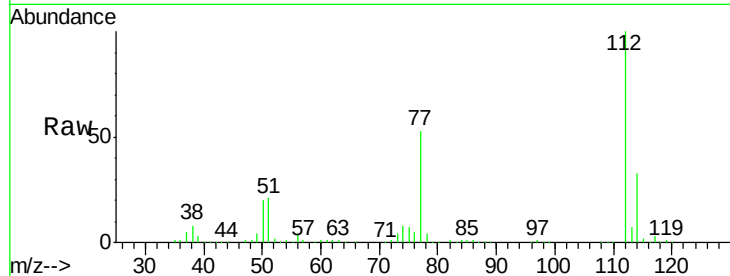
#65
Chlorobenzene
Concen: 66.540 ug/l
RT: 11.31 min Scan# 1025
Delta R.T. 0.00 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion:112 Resp: 2557771
Ion Ratio Lower Upper
112 100
114 32.8 26.1 39.1

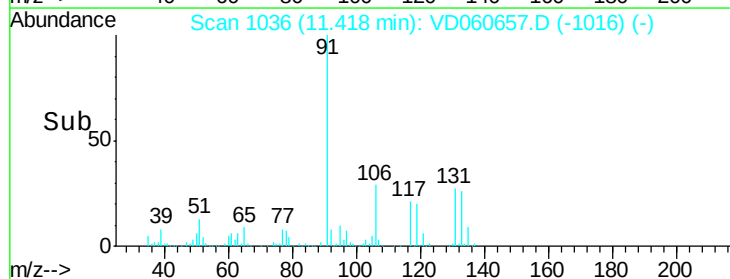
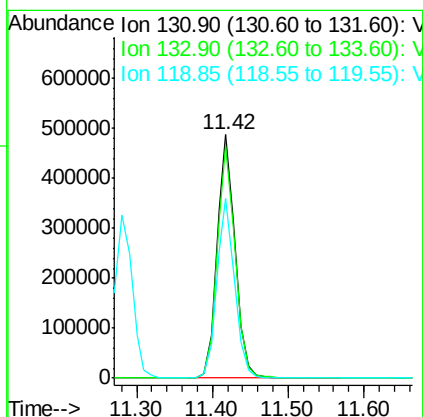
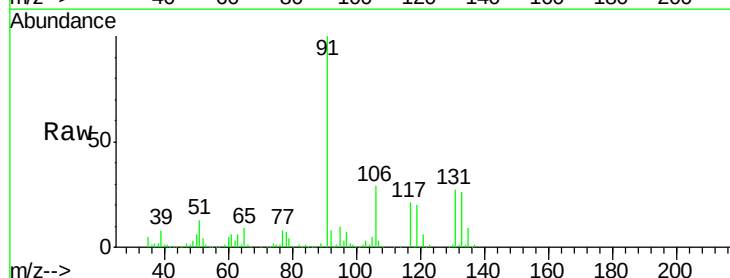
Manual Integrations
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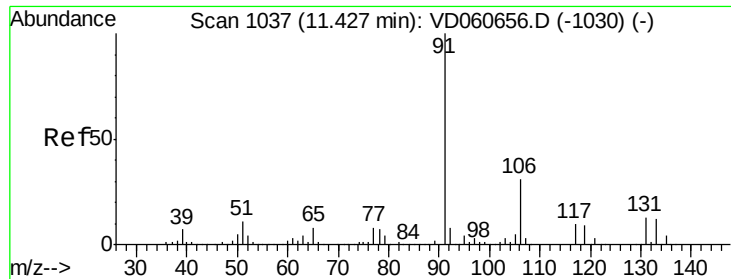
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 64.591 ug/l
RT: 11.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Tgt Ion:131 Resp: 813680
Ion Ratio Lower Upper
131 100
133 95.2 49.1 147.3
119 73.8 36.6 109.8





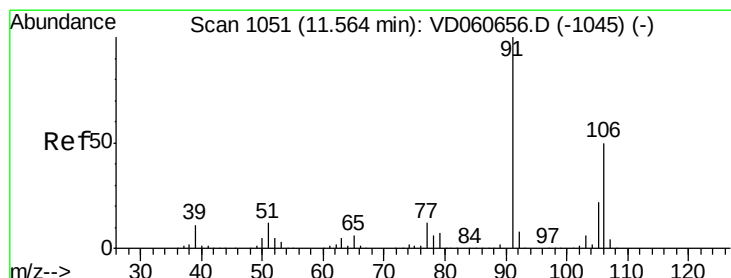
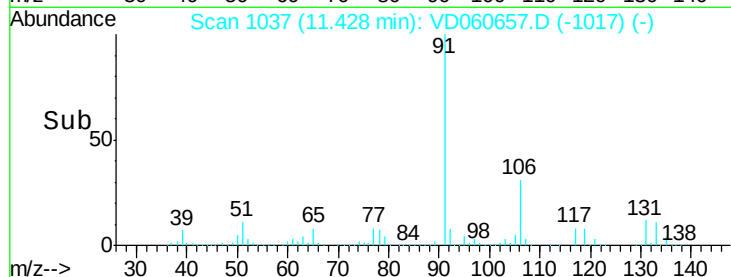
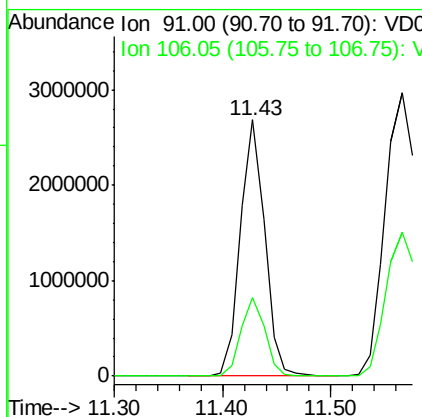
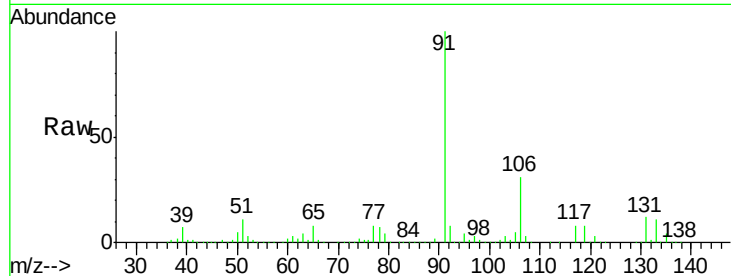
#67
Ethyl Benzene
Concen: 63.840 ug/l
RT: 11.43 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 91 Resp: 4216118
Ion Ratio Lower Upper
91 100
106 30.7 24.6 36.8

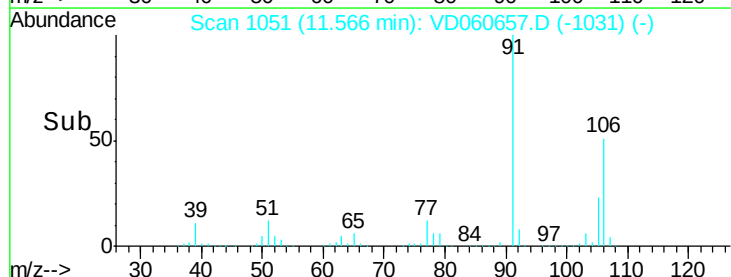
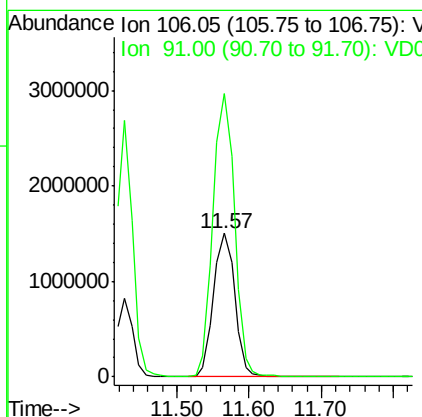
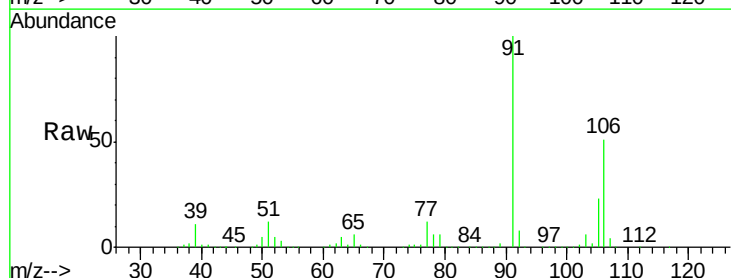
Manual Integrations
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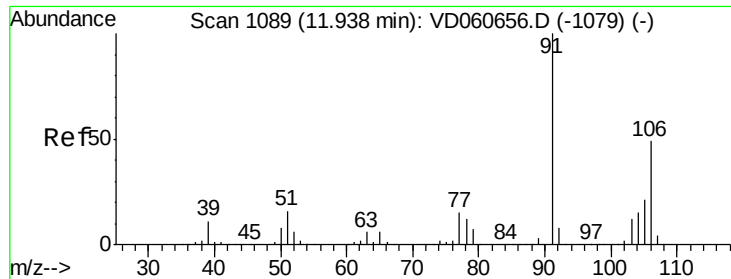
apatel
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#68
m/p-Xylenes
Concen: 127.850 ug/l
RT: 11.57 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Tgt Ion: 106 Resp: 3066430
Ion Ratio Lower Upper
106 100
91 197.0 158.9 238.3





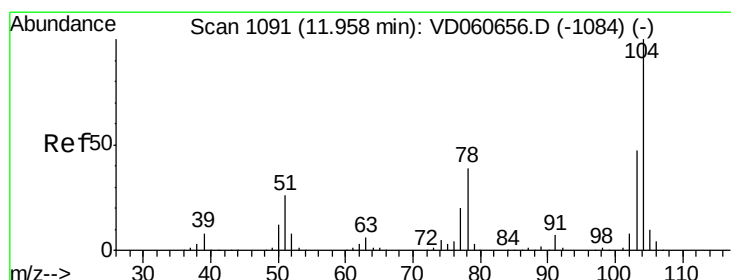
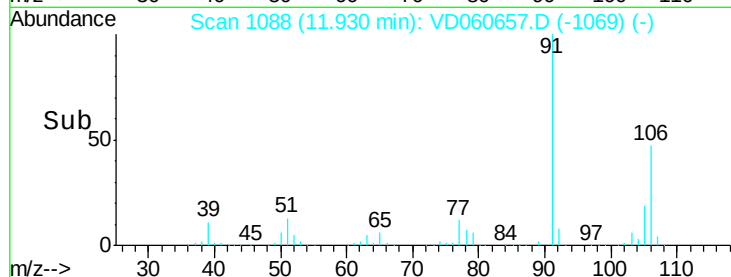
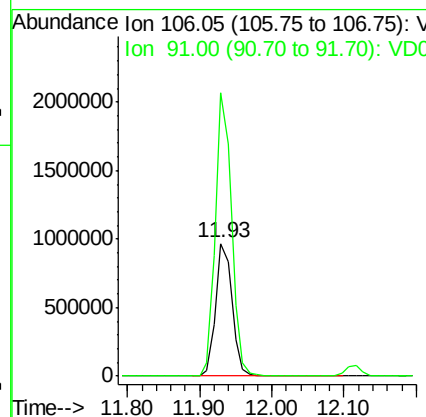
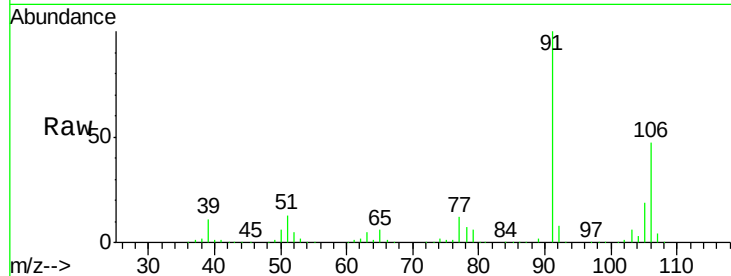
#69
o-Xylene
Concen: 65.435 ug/l
RT: 11.93 min Scan# 1088
Delta R.T. -0.01 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion:106 Resp: 1521448
Ion Ratio Lower Upper
106 100
91 213.5 101.5 304.5

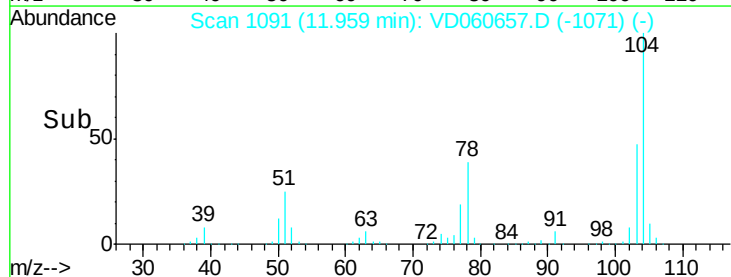
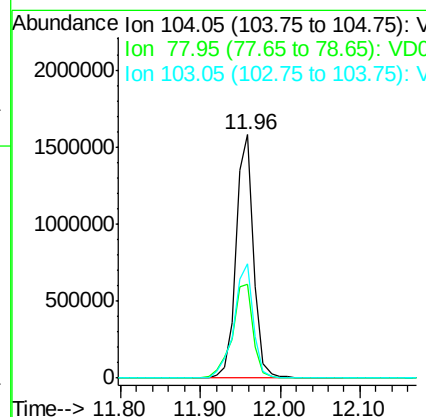
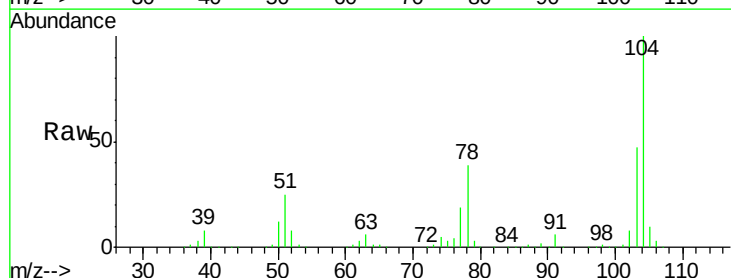
Manual Integrations
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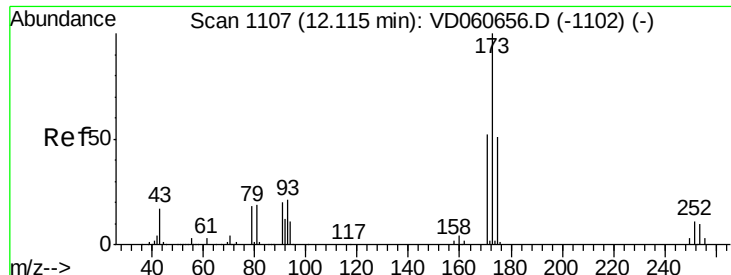
apatel
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#70
Styrene
Concen: 64.855 ug/l
RT: 11.96 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Tgt Ion:104 Resp: 2433272
Ion Ratio Lower Upper
104 100
78 38.6 31.4 47.2
103 47.2 37.5 56.3





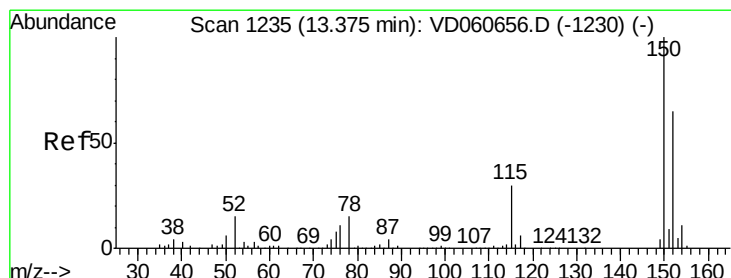
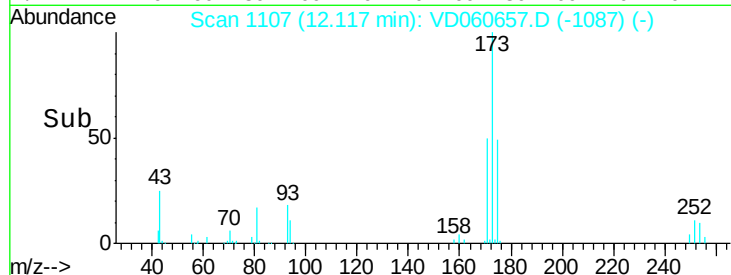
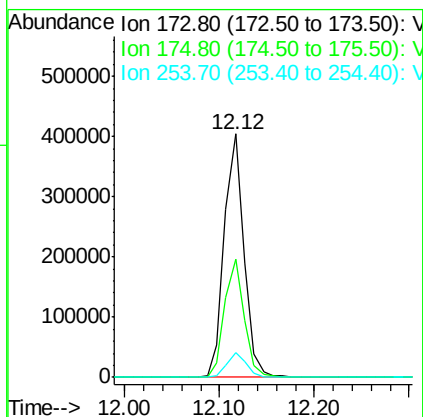
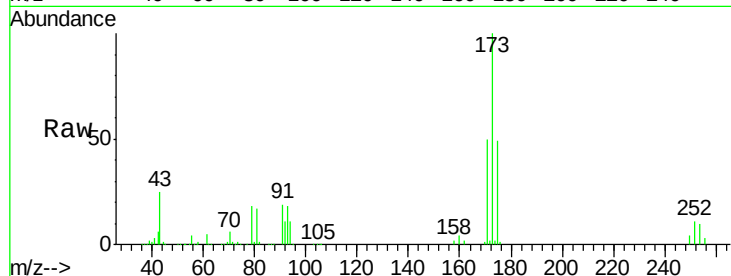
#71
Bromoform
Concen: 68.599 ug/l
RT: 12.12 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	25.5	76.5
254	10.0	7.9	11.9

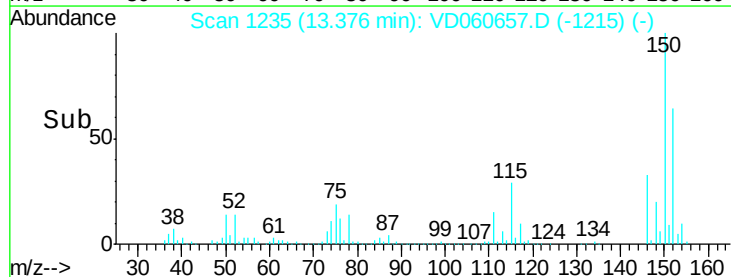
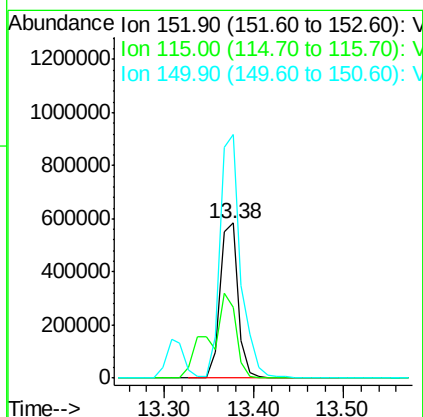
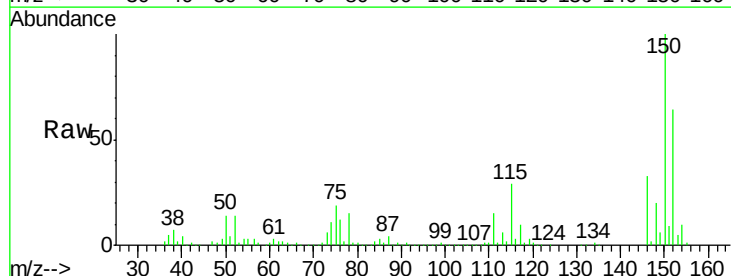
Manual Integrations
APPROVED

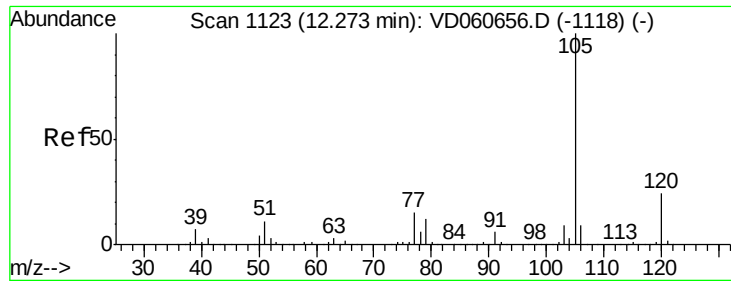
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	46.0	24.1	72.3
150	157.1	0.0	315.0





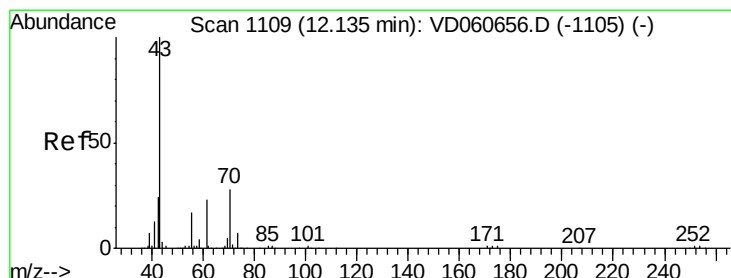
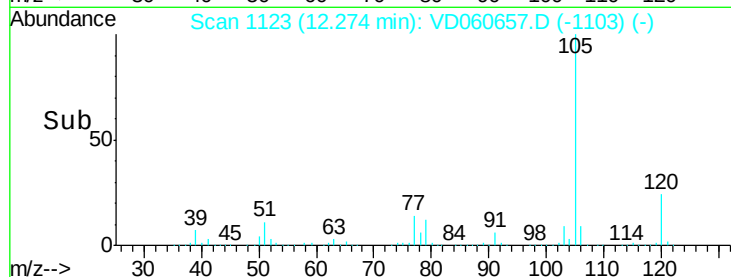
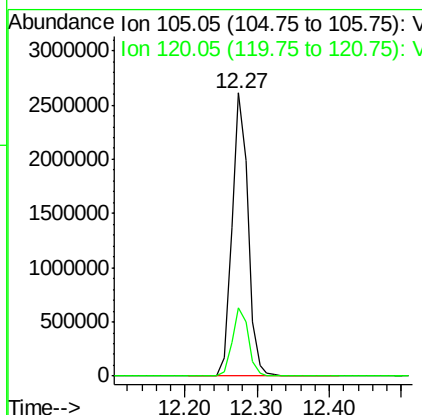
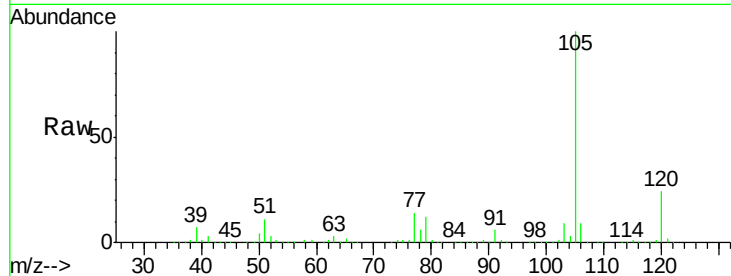
#73
Isopropylbenzene
Concen: 62.497 ug/l
RT: 12.27 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 105 Resp: 4019413
Ion Ratio Lower Upper
105 100
120 24.0 12.2 36.4

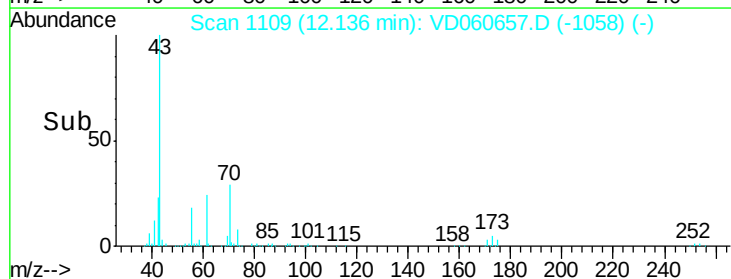
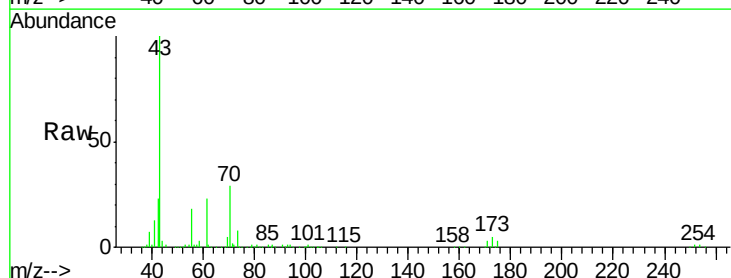
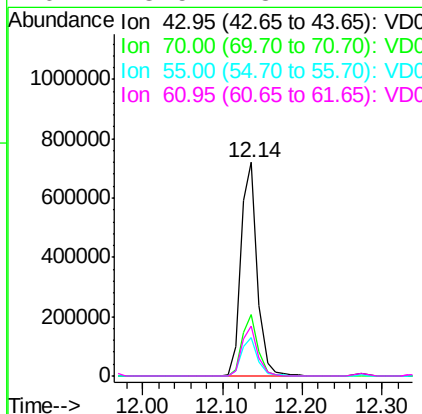
Manual Integrations
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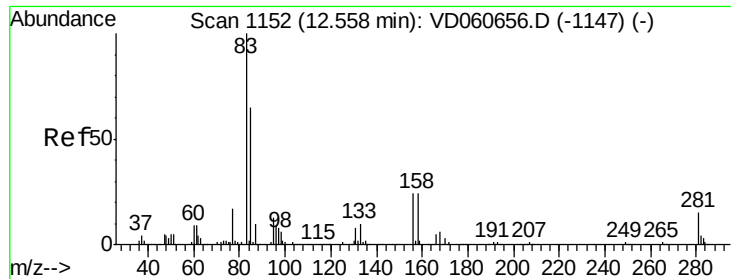
apatel
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#74
N-ethyl acetate
Concen: 67.264 ug/l
RT: 12.14 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Tgt Ion: 43 Resp: 1024749
Ion Ratio Lower Upper
43 100
70 28.7 22.2 33.2
55 17.9 13.8 20.8
61 23.5 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 63.654 ug/l

RT: 12.56 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VD060657.D

Acq: 20 Dec 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 83 Resp: 678558
Ion Ratio Lower Upper

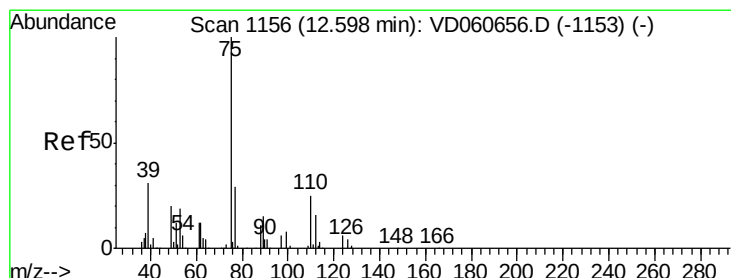
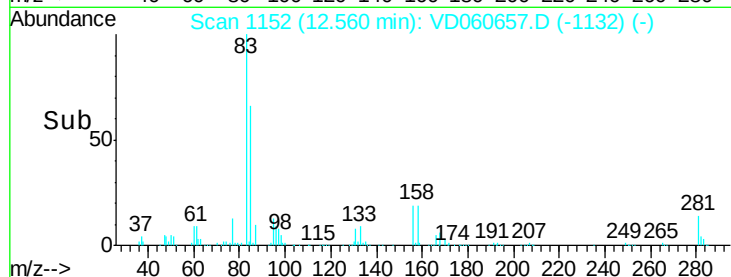
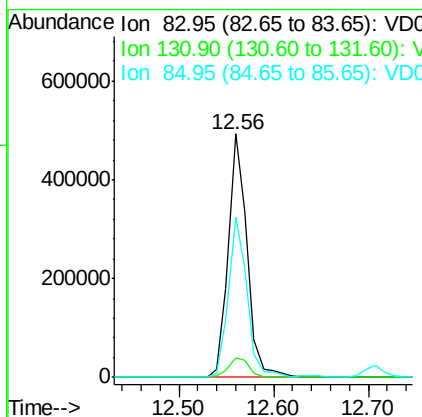
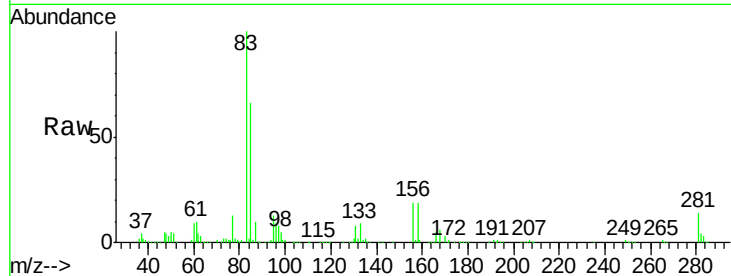
83 100

131 8.3 4.2 12.4

85 65.8 32.6 97.7

Manual Integrations
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12/21/2018 11:32:41 AM



#76

1,2,3-Trichloropropane

Concen: 65.612 ug/l

RT: 12.60 min Scan# 1156

Delta R.T. 0.00 min

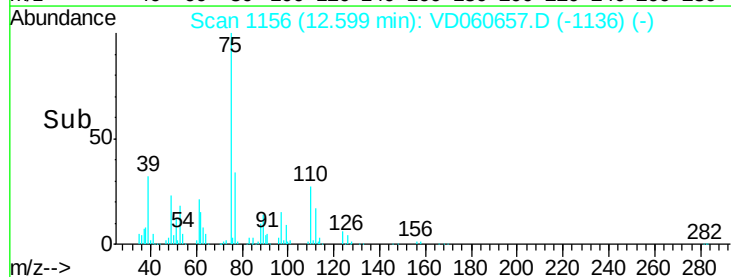
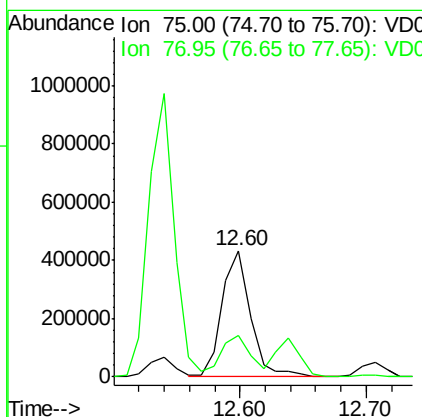
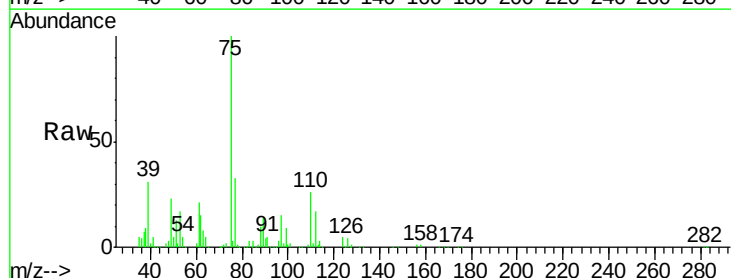
Lab File: VD060657.D

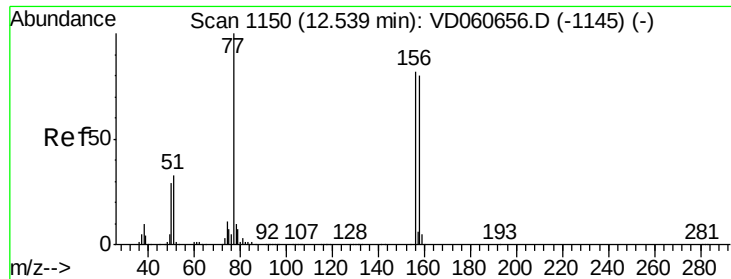
Acq: 20 Dec 2018 13:55

Tgt Ion: 75 Resp: 678965
Ion Ratio Lower Upper

75 100

77 33.1 16.7 50.0





#77

Bromobenzene

Concen: 64.966 ug/l

RT: 12.54 min Scan# 1150

Delta R.T. 0.00 min

Lab File: VD060657.D

Acq: 20 Dec 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 156 Resp: 1113357

Ion Ratio Lower Upper

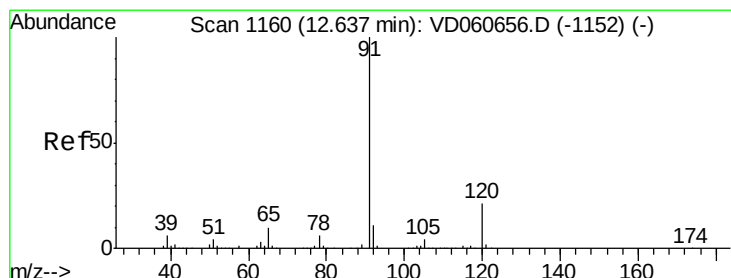
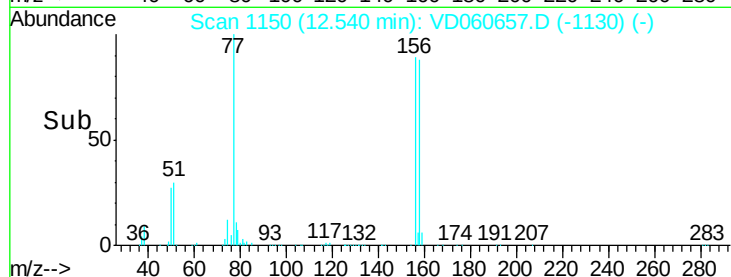
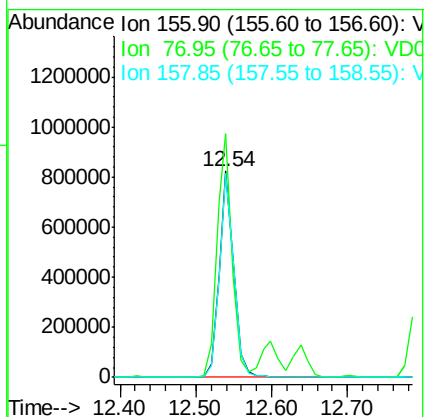
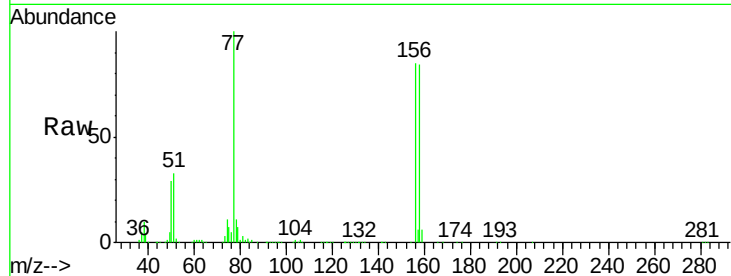
156 100

77 118.0 61.3 183.9

158 99.1 48.9 146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 63.528 ug/l

RT: 12.64 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD060657.D

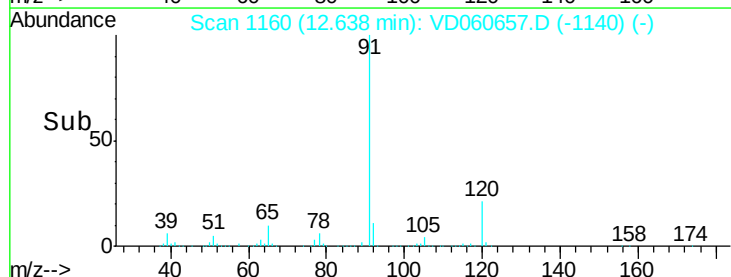
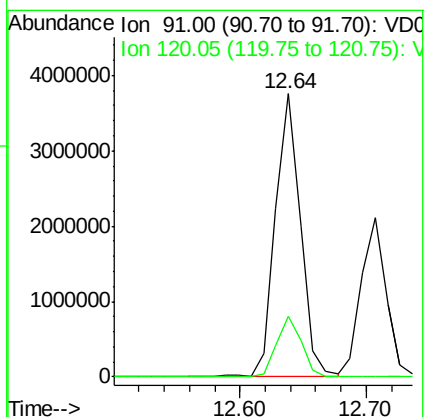
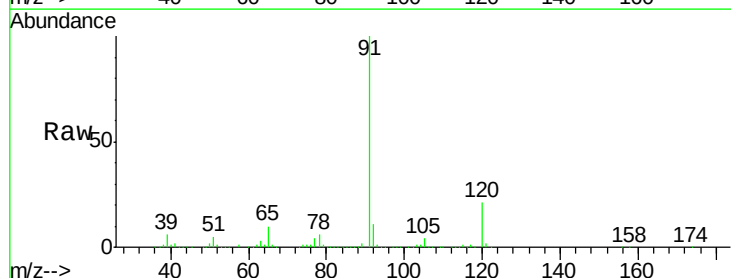
Acq: 20 Dec 2018 13:55

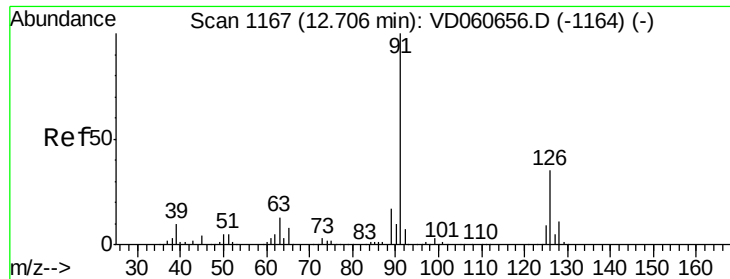
Tgt Ion: 91 Resp: 5205565

Ion Ratio Lower Upper

91 100

120 21.4 10.4 31.2





#79

2-Chlorotoluene

Concen: 65.004 ug/l

RT: 12.71 min Scan# 1167

Delta R.T. 0.00 min

Lab File: VD060657.D

Acq: 20 Dec 2018 13:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 91 Resp: 2888027

Ion Ratio Lower Upper

91 100

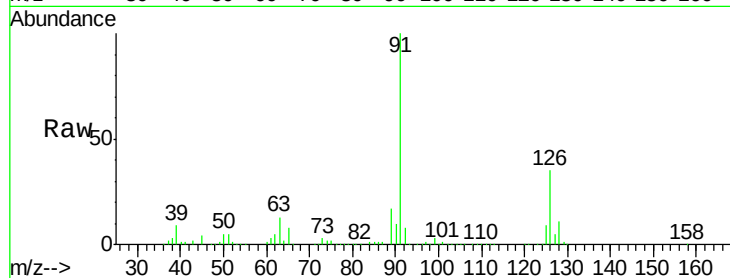
126 35.0 17.2 51.5

Manual Integrations

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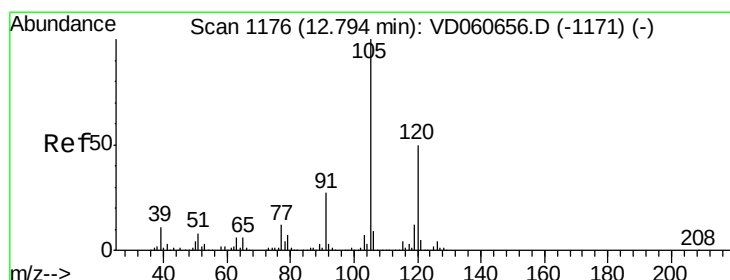
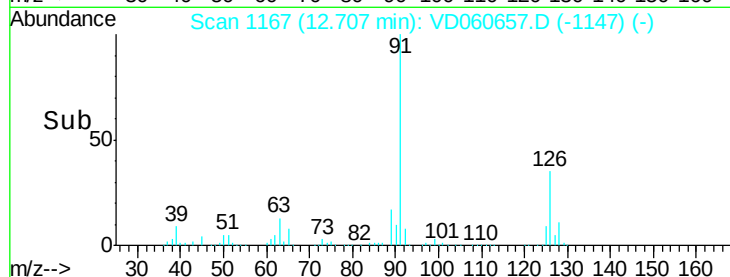
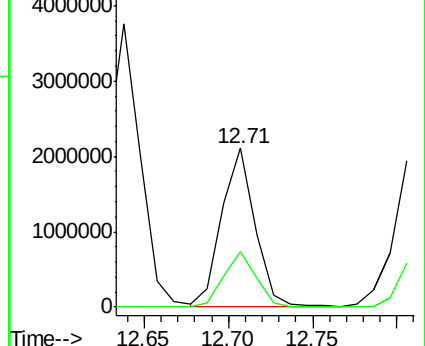
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VD060657.D (-1164) (-)

Ion 125.95 (125.65 to 126.65): VD060657.D (-1164) (-)



#80

1,3,5-Trimethylbenzene

Concen: 64.873 ug/l

RT: 12.80 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VD060657.D

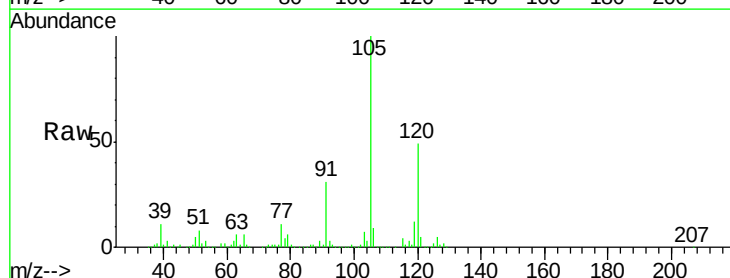
Acq: 20 Dec 2018 13:55

Tgt Ion: 105 Resp: 3210338

Ion Ratio Lower Upper

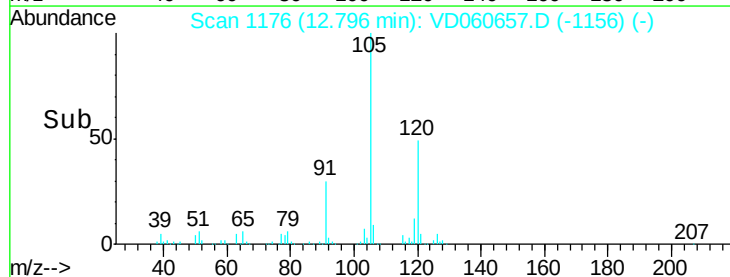
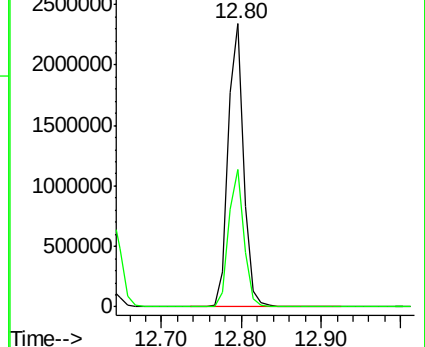
105 100

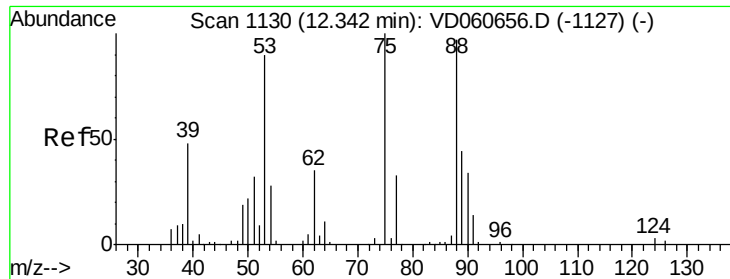
120 48.7 24.8 74.4



Abundance Ion 105.05 (104.75 to 105.75): VD060657.D (-1171) (-)

Ion 120.05 (119.75 to 120.75): VD060657.D (-1171) (-)





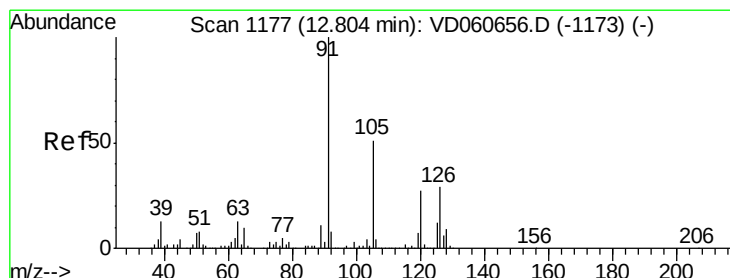
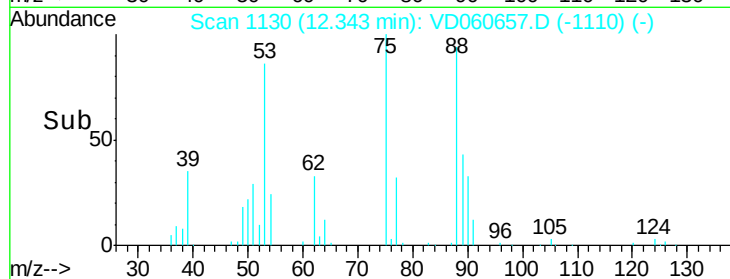
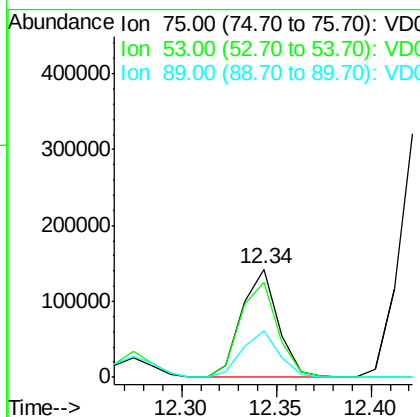
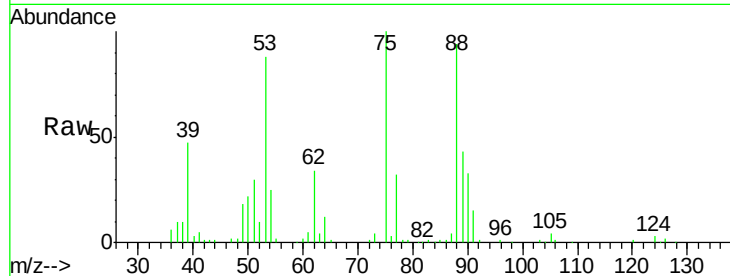
#81
trans-1,4-Dichloro-2-butene
Concen: 63.228 ug/l
RT: 12.34 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion	Ratio	Lower	Upper
75	100		
53	87.8	72.1	108.1
89	42.9	35.1	52.7

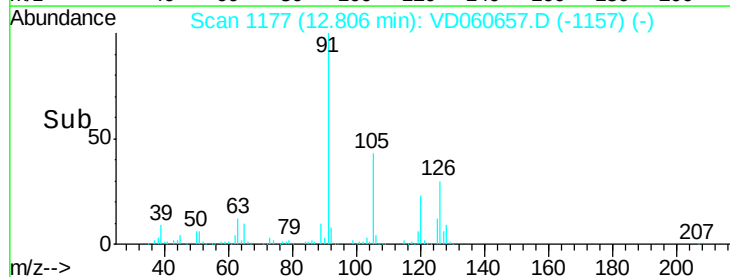
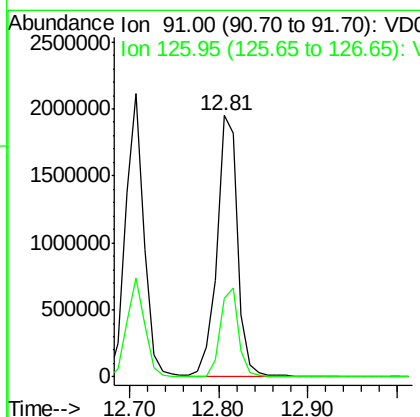
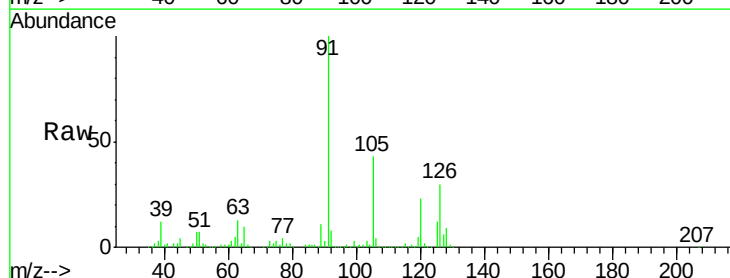
Manual Integrations
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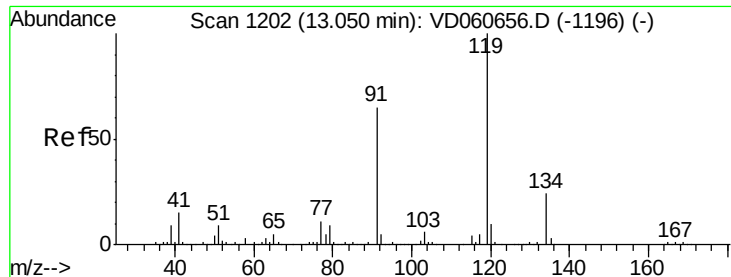
apatel
12/21/2018 11:32:41 AM



#82
4-Chlorotoluene
Concen: 64.478 ug/l
RT: 12.81 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.9	14.6	43.8





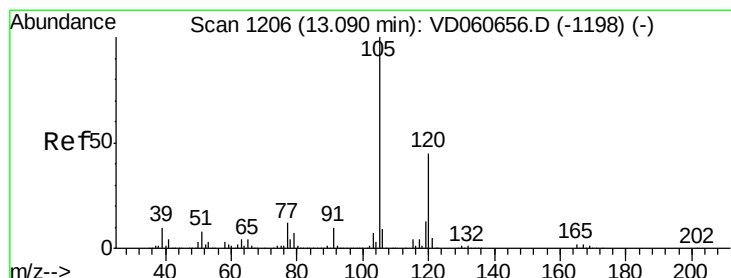
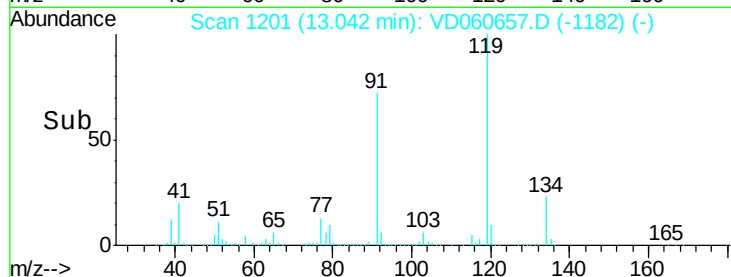
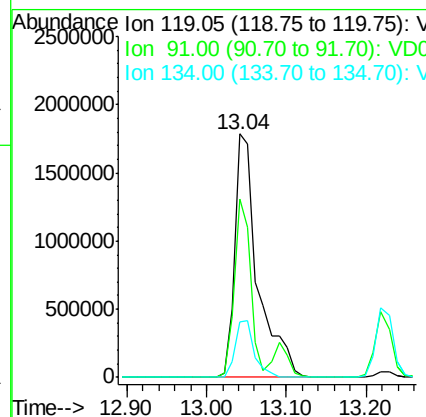
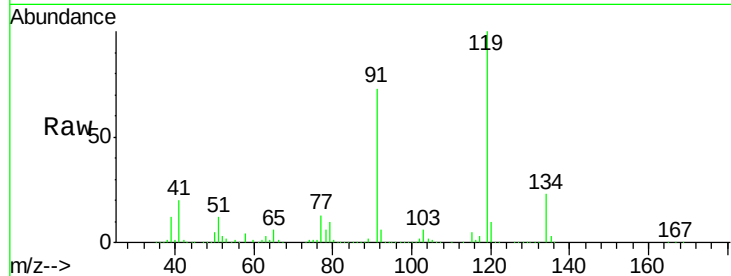
#83
 tert-Butylbenzene
 Concen: 64.596 ug/l
 RT: 13.04 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VD060657.D
 Acq: 20 Dec 2018 13:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion:119 Resp: 3643332
 Ion Ratio Lower Upper
 119 100
 91 73.2 32.5 97.4
 134 22.6 11.9 35.9

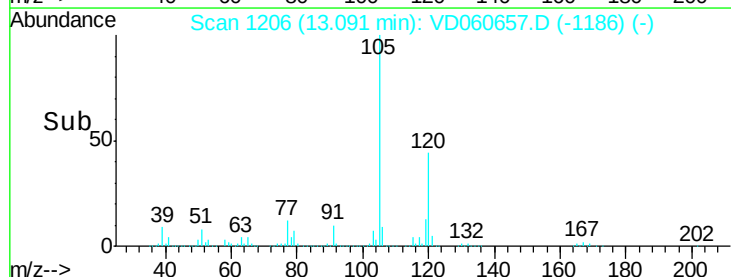
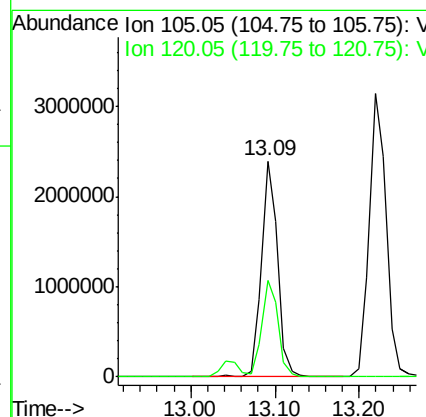
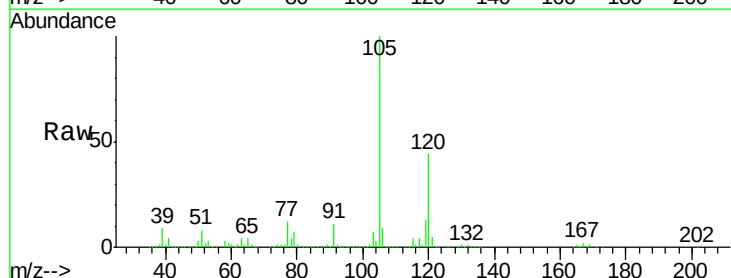
Manual Integrations
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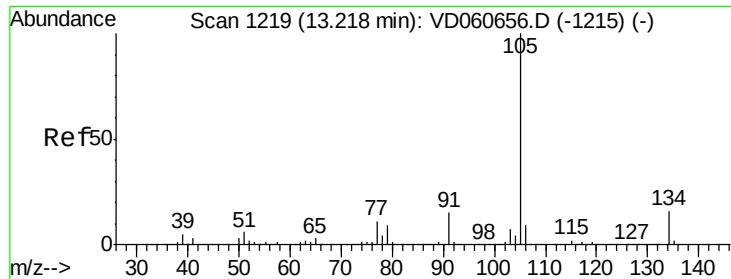
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#84
 1,2,4-Trimethylbenzene
 Concen: 62.962 ug/l
 RT: 13.09 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VD060657.D
 Acq: 20 Dec 2018 13:55

Tgt Ion:105 Resp: 3236893
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.4 67.0





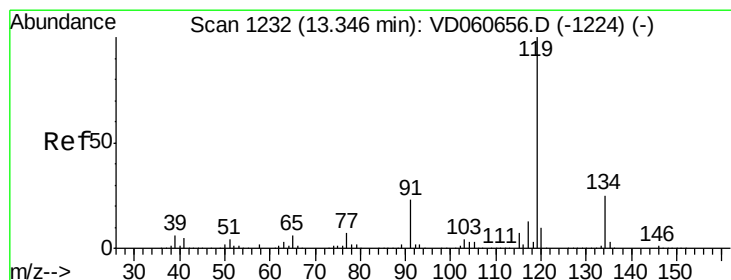
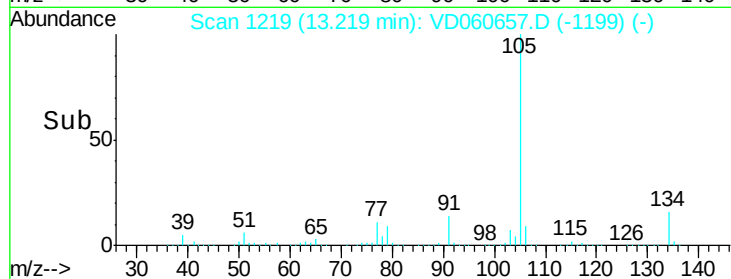
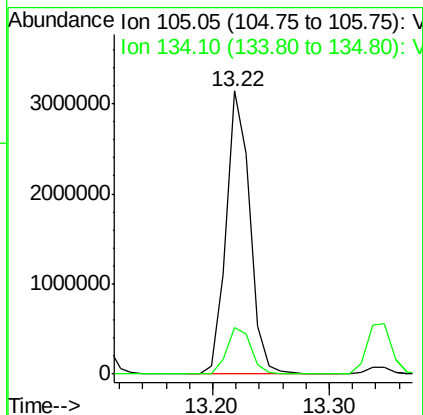
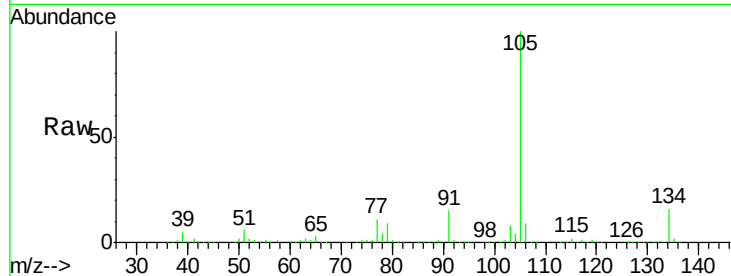
#85
 sec-Butylbenzene
 Concen: 62.626 ug/l
 RT: 13.22 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VD060657.D
 Acq: 20 Dec 2018 13:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion:105 Resp: 4397146
 Ion Ratio Lower Upper
 105 100
 134 16.4 8.2 24.4

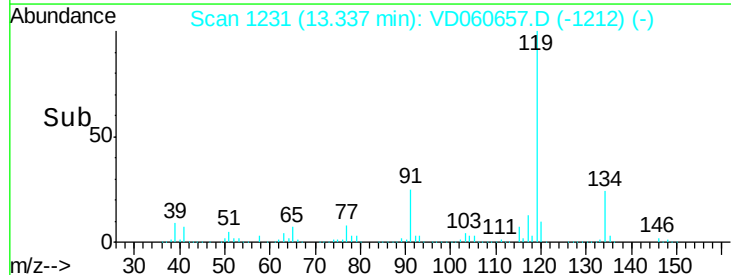
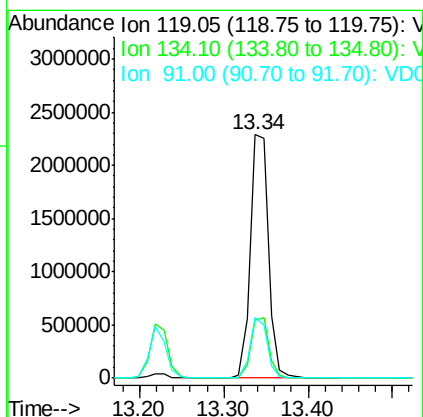
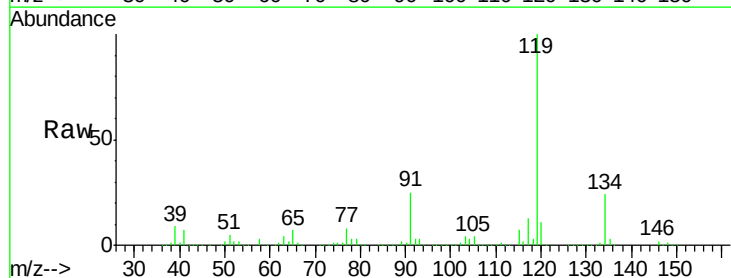
Manual Integrations
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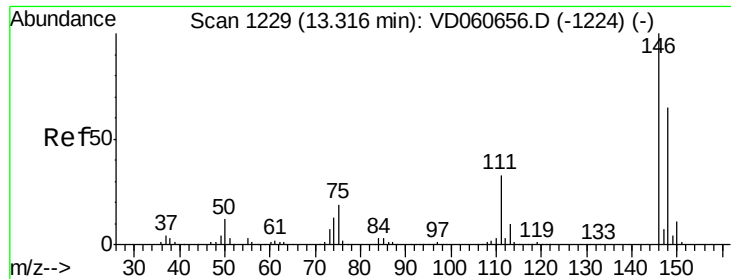
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#86
 p-Isopropyltoluene
 Concen: 62.647 ug/l
 RT: 13.34 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD060657.D
 Acq: 20 Dec 2018 13:55

Tgt Ion:119 Resp: 3438856
 Ion Ratio Lower Upper
 119 100
 134 23.8 12.5 37.5
 91 25.0 11.4 34.2





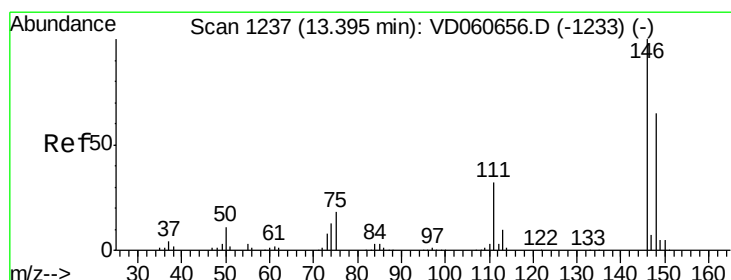
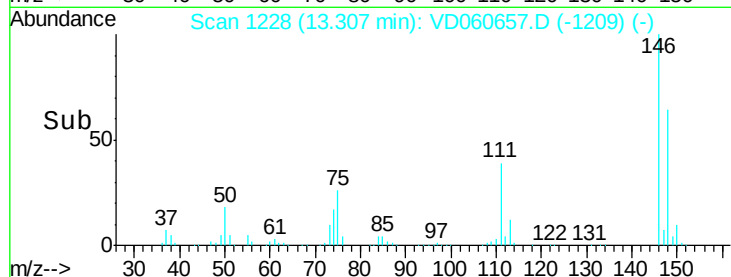
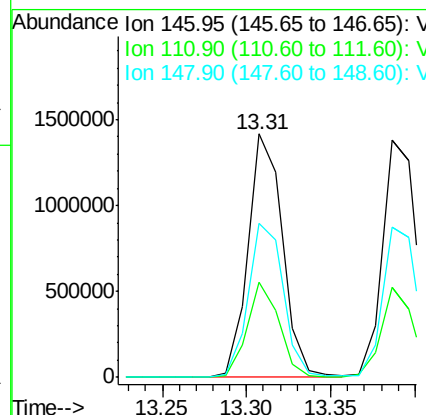
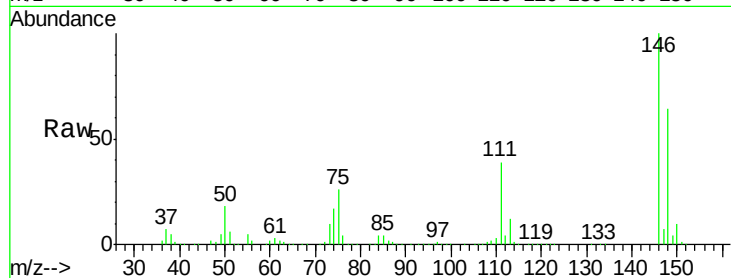
#87
 1,3-Dichlorobenzene
 Concen: 64.421 ug/l
 RT: 13.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD060657.D
 Acq: 20 Dec 2018 13:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion:146 Resp: 2007058
 Ion Ratio Lower Upper
 146 100
 111 39.3 16.6 49.8
 148 63.5 32.6 97.8

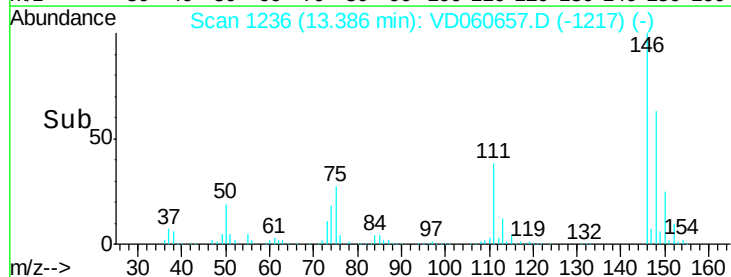
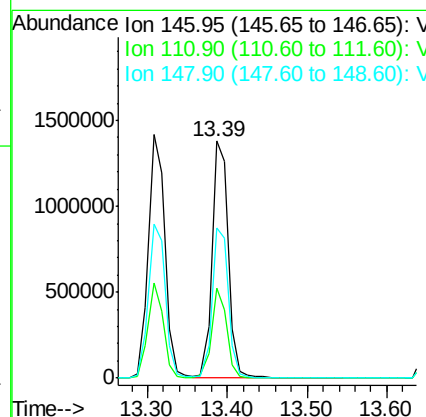
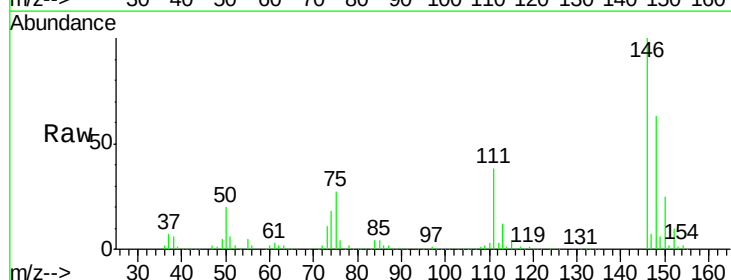
Manual Integrations
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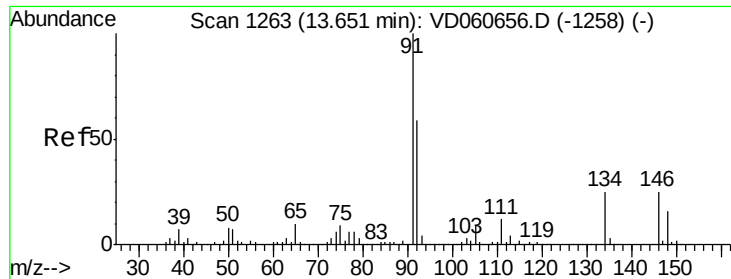
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#88
 1,4-Dichlorobenzene
 Concen: 63.833 ug/l
 RT: 13.39 min Scan# 1236
 Delta R.T. -0.01 min
 Lab File: VD060657.D
 Acq: 20 Dec 2018 13:55

Tgt Ion:146 Resp: 1962652
 Ion Ratio Lower Upper
 146 100
 111 37.9 16.2 48.5
 148 63.2 32.7 98.1





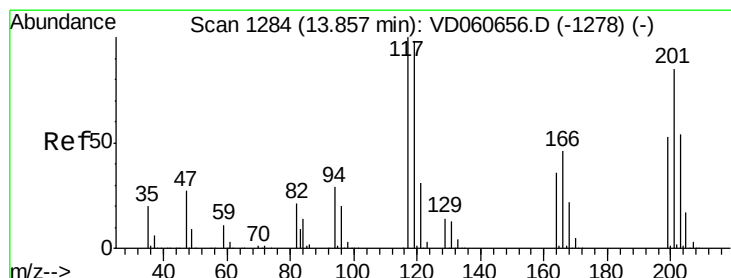
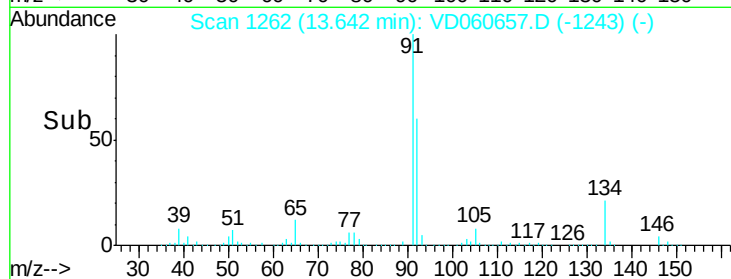
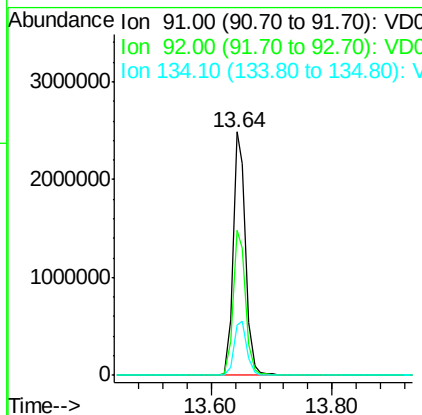
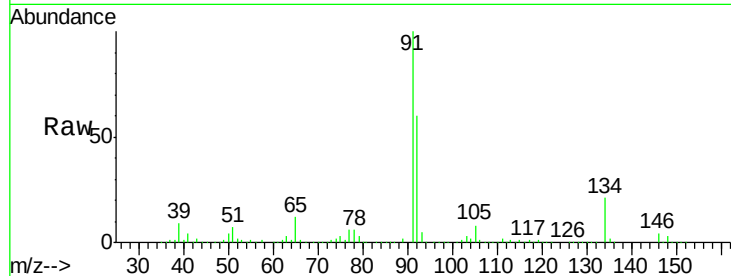
#89
n-Butylbenzene
Concen: 62.798 ug/l
RT: 13.64 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 91 Resp: 3521695
Ion Ratio Lower Upper
91 100
92 59.8 29.7 89.1
134 20.6 12.7 38.1

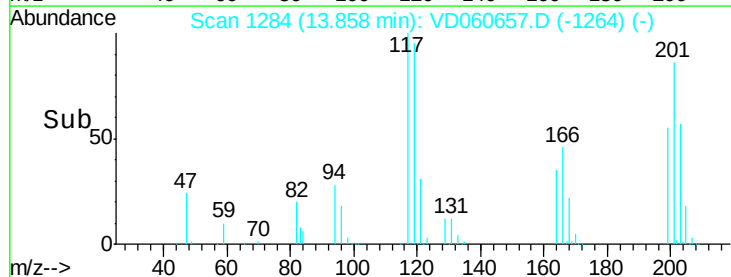
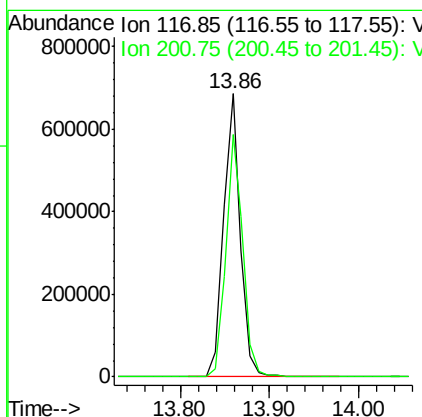
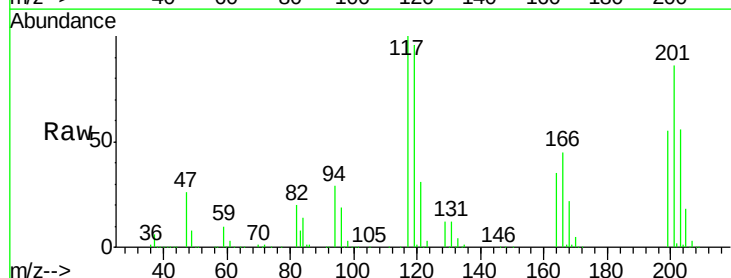
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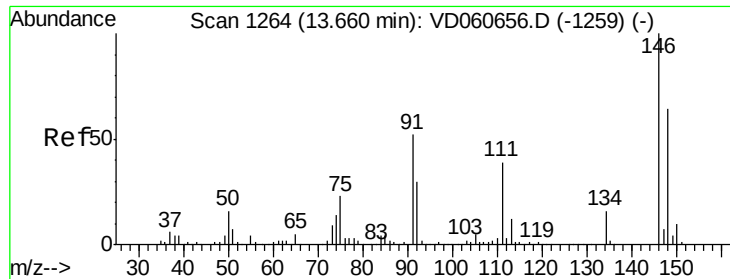
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#90
Hexachloroethane
Concen: 65.356 ug/l
RT: 13.86 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Tgt Ion: 117 Resp: 911690
Ion Ratio Lower Upper
117 100
201 85.6 42.6 127.8





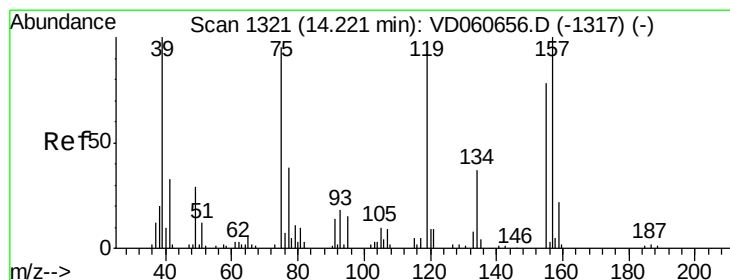
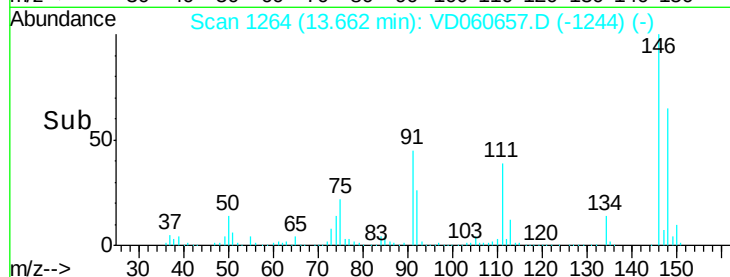
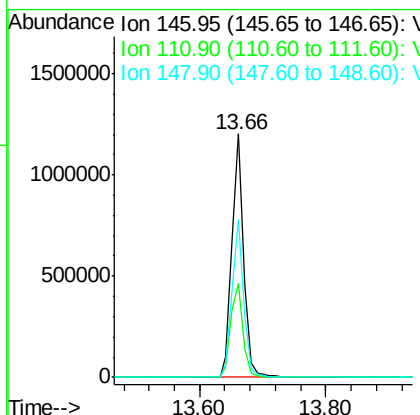
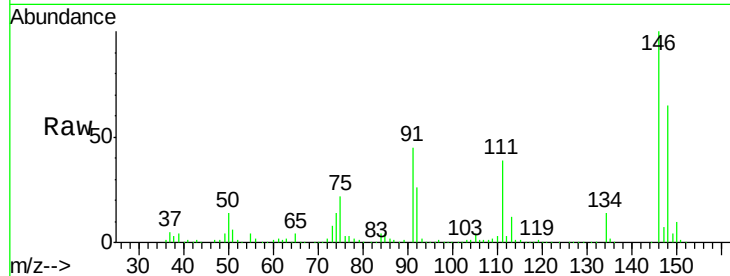
#91
 1,2-Dichlorobenzene
 Concen: 61.264 ug/l
 RT: 13.66 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VD060657.D
 Acq: 20 Dec 2018 13:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion: 146 Resp: 1515630
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.3 57.9
 148 64.7 31.9 95.9

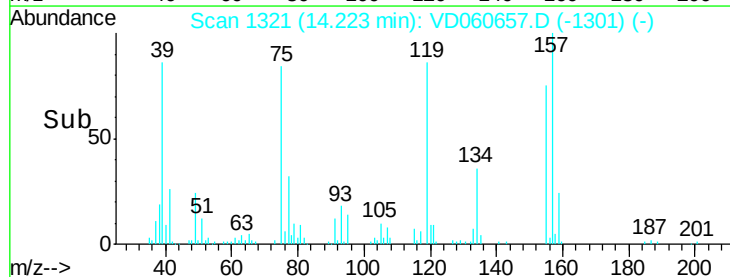
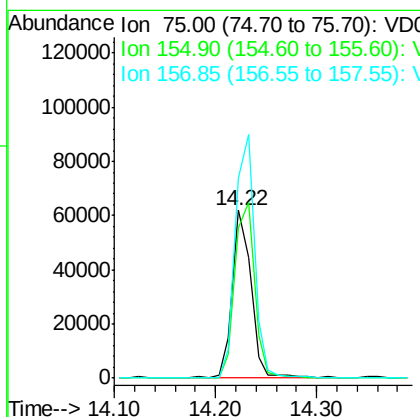
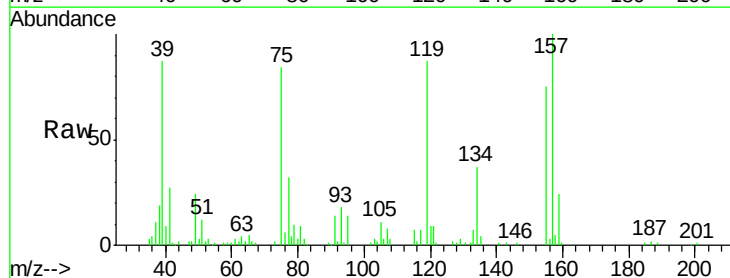
Manual Integrations
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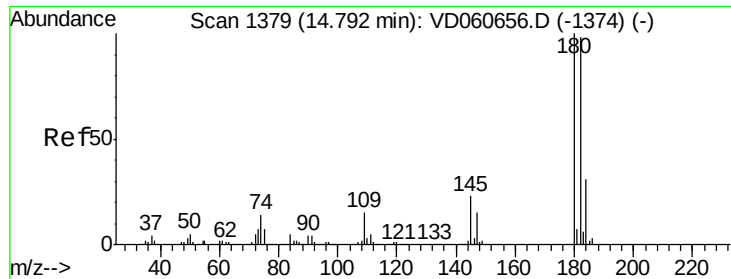
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 63.882 ug/l
 RT: 14.22 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VD060657.D
 Acq: 20 Dec 2018 13:55

Tgt Ion: 75 Resp: 80456
 Ion Ratio Lower Upper
 75 100
 155 89.2 41.1 123.4
 157 119.3 52.5 157.6





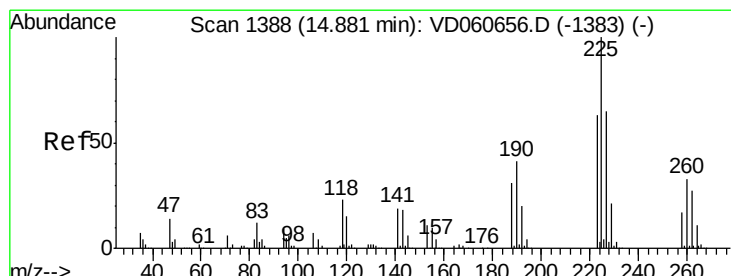
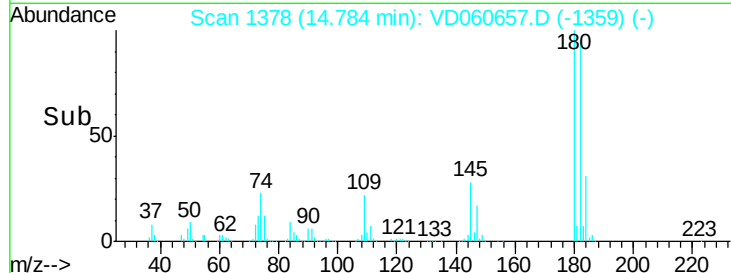
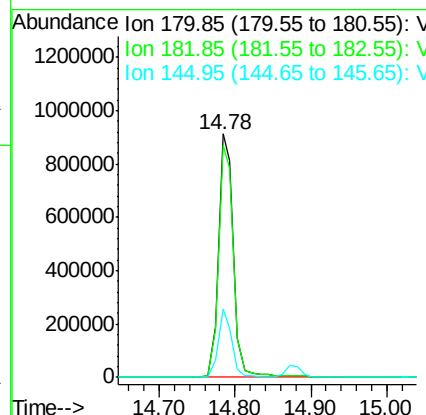
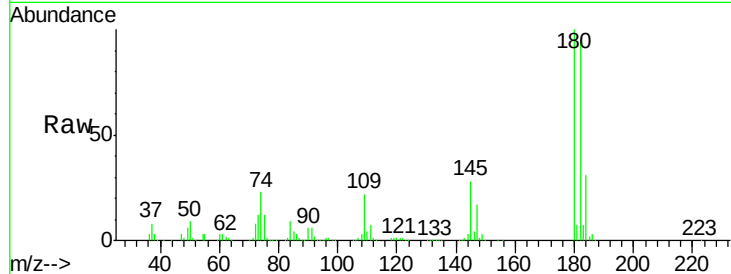
#93
 1,2,4-Trichlorobenzene
 Concen: 62.733 ug/l
 RT: 14.78 min Scan# 1378
 Delta R.T. -0.01 min
 Lab File: VD060657.D
 Acq: 20 Dec 2018 13:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion:180 Resp: 1285479
 Ion Ratio Lower Upper
 180 100
 182 95.1 48.8 146.4
 145 28.0 11.8 35.3

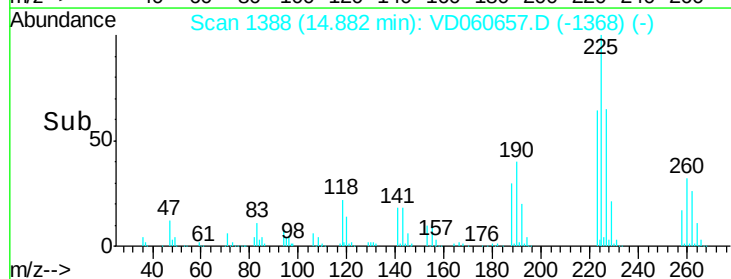
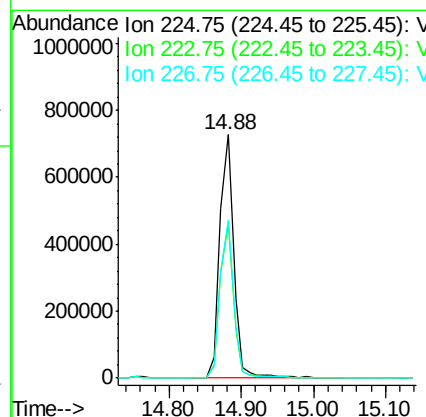
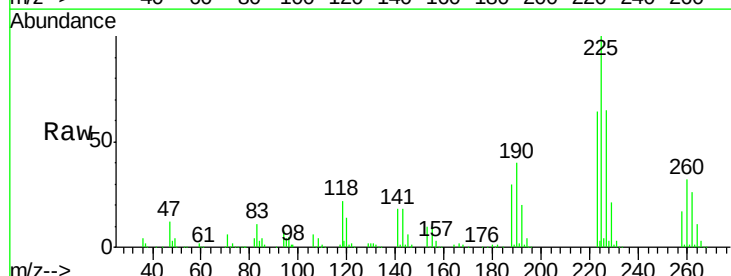
Manual Integrations
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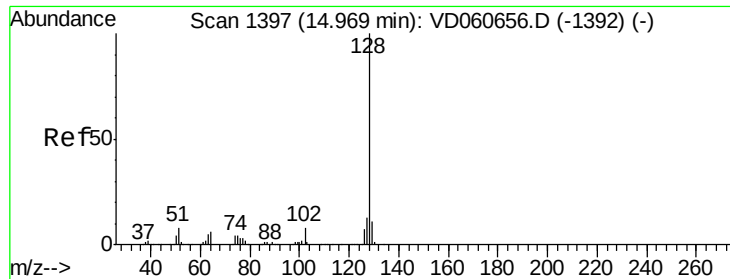
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#94
 Hexachlorobutadiene
 Concen: 65.726 ug/l
 RT: 14.88 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD060657.D
 Acq: 20 Dec 2018 13:55

Tgt Ion:225 Resp: 969451
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.3 93.8
 227 64.6 32.5 97.4





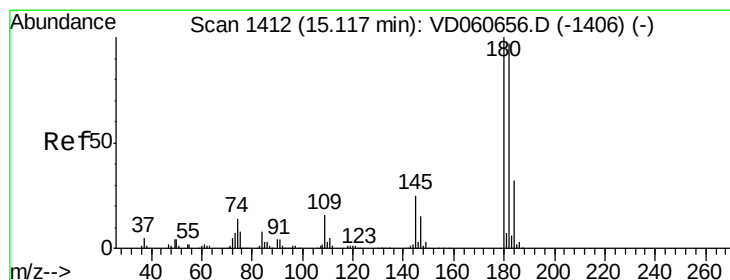
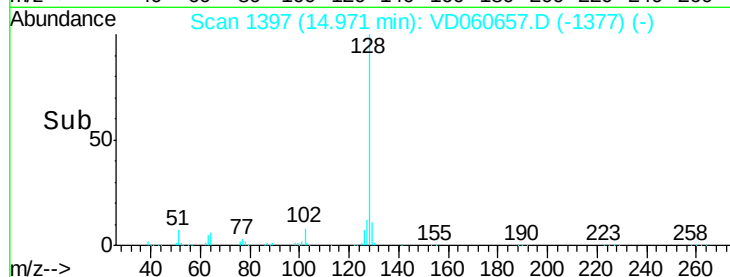
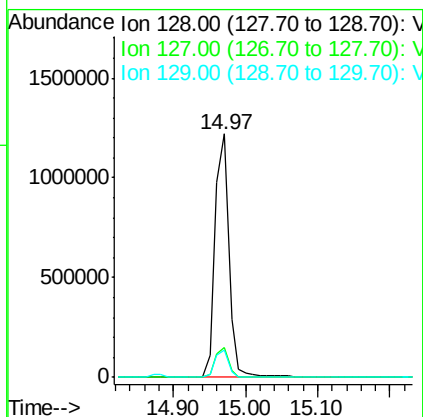
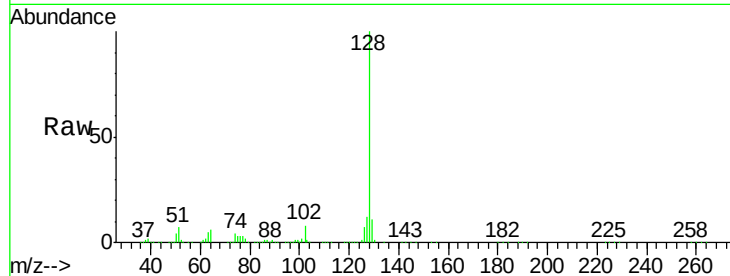
#95
Naphthalene
Concen: 64.799 ug/l
RT: 14.97 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion:128 Resp: 1616479
Ion Ratio Lower Upper
128 100
127 12.3 10.1 15.1
129 11.0 8.6 13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 63.840 ug/l
RT: 15.12 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD060657.D
Acq: 20 Dec 2018 13:55

Tgt Ion:180 Resp: 1029507
Ion Ratio Lower Upper
180 100
182 97.7 48.6 145.9
145 25.4 12.6 37.8

