

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD120518\
 Data File : VD060495.D
 Acq On : 5 Dec 2018 16:30
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
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apatel
 12/6/2018 10:53:56 AM

Quant Time: Dec 06 01:06:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 00:38:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1695515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2423915	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1847807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	884564	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.80	65	1587818	131.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	262.22%	
35) Dibromofluoromethane	6.33	113	2369262	132.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	264.62%	
50) Toluene-d8	9.46	98	6879980	130.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	261.68%	
62) 4-Bromofluorobenzene	12.43	95	2350613	123.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	247.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	2236116	142.918	ug/l	100
3) Chloromethane	1.78	50	2366352	145.654	ug/l	98
4) Vinyl Chloride	1.87	62	1930459	145.828	ug/l	98
5) Bromomethane	2.15	94	242966	76.239	ug/l	98
6) Chloroethane	2.26	64	376972	86.646	ug/l	95
7) Trichlorofluoromethane	2.52	101	1897844	121.385	ug/l	99
8) Diethyl Ether	2.84	74	392089	139.557	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.10	101	1290314	127.164	ug/l	99
10) Methyl Iodide	3.25	142	1719314	131.296	ug/l	95
11) Tert butyl alcohol	4.00	59	368119	742.081	ug/l	98
12) 1,1-Dichloroethene	3.09	96	1049969	127.107	ug/l	98
13) Acrolein	3.00	56	360874	622.763	ug/l	90
14) Allyl chloride	3.55	41	2163622	136.369	ug/l	98
15) Acrylonitrile	4.10	53	1928755	666.298	ug/l	96
16) Acetone	3.17	43	1373827	655.274	ug/l	98
17) Carbon Disulfide	3.32	76	3757094	140.059	ug/l	99
18) Methyl Acetate	3.57	43	603517	132.894	ug/l	99
19) Methyl tert-butyl Ether	4.14	73	3315493	134.509	ug/l	99
20) Methylene Chloride	3.74	84	2433403	129.187	ug/l	94
21) trans-1,2-Dichloroethene	4.11	96	2528537	137.168	ug/l	97
22) Diisopropyl ether	4.87	45	7822580	132.620	ug/l	98
23) Vinyl Acetate	4.82	43	19145002	649.911	ug/l	99
24) 1,1-Dichloroethane	4.77	63	4072595	134.173	ug/l	99
25) 2-Butanone	5.64	43	2746744	637.329	ug/l	99
26) 2,2-Dichloropropane	5.60	77	3058371	130.236	ug/l	97
27) cis-1,2-Dichloroethene	5.61	96	2606537	136.329	ug/l	97
28) Bromochloromethane	5.93	49	1766321	131.896	ug/l	97
29) Tetrahydrofuran	5.96	42	1518501	660.971	ug/l	97
30) Chloroform	6.11	83	4192592	138.149	ug/l	100
31) Cyclohexane	6.37	56	3556765	123.082	ug/l	99
32) 1,1,1-Trichloroethane	6.29	97	3451232	135.406	ug/l	98
36) 1,1-Dichloropropene	6.53	75	2974197	124.123	ug/l	97
37) Ethyl Acetate	5.71	43	1506500	137.277	ug/l #	99
38) Carbon Tetrachloride	6.51	117	2785109	125.997	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	3542088	128.890	ug/l	99
40) Benzene	6.81	78	7835681	128.510	ug/l	99
41) Methacrylonitrile	5.95	41	901864m	79.502	ug/l	
42) 1,2-Dichloroethane	6.90	62	2183098	137.601	ug/l	98
43) Isopropyl Acetate	8.35	43	1973842	144.408	ug/l #	98
44) Trichloroethene	7.74	130	2539606	137.294	ug/l	100
45) 1,2-Dichloropropane	8.11	63	2107236	137.362	ug/l	99
46) Dibromomethane	8.22	93	1226793	136.282	ug/l	96
47) Bromodichloromethane	8.50	83	2917076	138.089	ug/l	99
48) Methyl methacrylate	8.25	41	1107832	132.885	ug/l	98
49) 1,4-Dioxane	8.24	88	213702	2934.535	ug/l #	88
51) 4-Methyl-2-Pentanone	9.35	43	5700541	639.955	ug/l	98
52) Toluene	9.55	92	4984938	128.129	ug/l	99
53) t-1,3-Dichloropropene	9.93	75	2481763	139.676	ug/l	100
54) cis-1,3-Dichloropropene	9.11	75	3167455	137.846	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	1469223	130.413	ug/l	99
56) Ethyl methacrylate	10.03	69	1456653	141.595	ug/l	99
57) 1,3-Dichloropropane	10.39	76	2343752	137.052	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.93	63	3736664	603.673	ug/l	96
59) 2-Hexanone	10.50	43	4092803	648.278	ug/l	98
60) Dibromochloromethane	10.64	129	1957946	143.211	ug/l	100
61) 1,2-Dibromoethane	10.76	107	1614446	143.245	ug/l	99
64) Tetrachloroethene	10.26	164	2230887	134.861	ug/l	98
65) Chlorobenzene	11.31	112	5158508	129.225	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	1499024	114.829	ug/l	97
67) Ethyl Benzene	11.43	91	7061420	103.031	ug/l	98
68) m/p-Xylenes	11.57	106	5190544	205.821	ug/l	96
69) o-Xylene	11.93	106	2828361	116.205	ug/l	100
70) Styrene	11.96	104	4508652	114.033	ug/l	98
71) Bromoform	12.12	173	1345650	152.897	ug/l	98
73) Isopropylbenzene	12.28	105	7651317	118.317	ug/l	100
74) N-amyl acetate	12.14	43	2409094	146.154	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	1503571	143.652	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	1496008	141.977	ug/l	99
77) Bromobenzene	12.54	156	2226617	130.229	ug/l	98
78) n-propylbenzene	12.64	91	9014340	112.403	ug/l	96
79) 2-Chlorotoluene	12.71	91	5542276	125.543	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	5332156	106.980	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.35	75	464917	154.882	ug/l	97
82) 4-Chlorotoluene	12.82	91	5248824	106.235	ug/l	99
83) tert-Butylbenzene	13.05	119	6440303	116.062	ug/l	92
84) 1,2,4-Trimethylbenzene	13.09	105	5776277	115.676	ug/l	98
85) sec-Butylbenzene	13.22	105	7977894	117.752	ug/l	100
86) p-Isopropyltoluene	13.35	119	5944520	109.119	ug/l	96
87) 1,3-Dichlorobenzene	13.31	146	3639153	119.751	ug/l	93
88) 1,4-Dichlorobenzene	13.40	146	3528993	119.137	ug/l	97
89) n-Butylbenzene	13.65	91	5384876	96.589	ug/l	98
90) Hexachloroethane	13.86	117	1874404	143.021	ug/l	98
91) 1,2-Dichlorobenzene	13.67	146	2402985	96.469	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.23	75	204923	162.689	ug/l	79

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	2491128	126.253	ug/l	97
94) Hexachlorobutadiene	14.89	225	1764508	120.059	ug/l	98
95) Naphthalene	14.97	128	3606175	148.898	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	2184341	138.531	ug/l	97

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

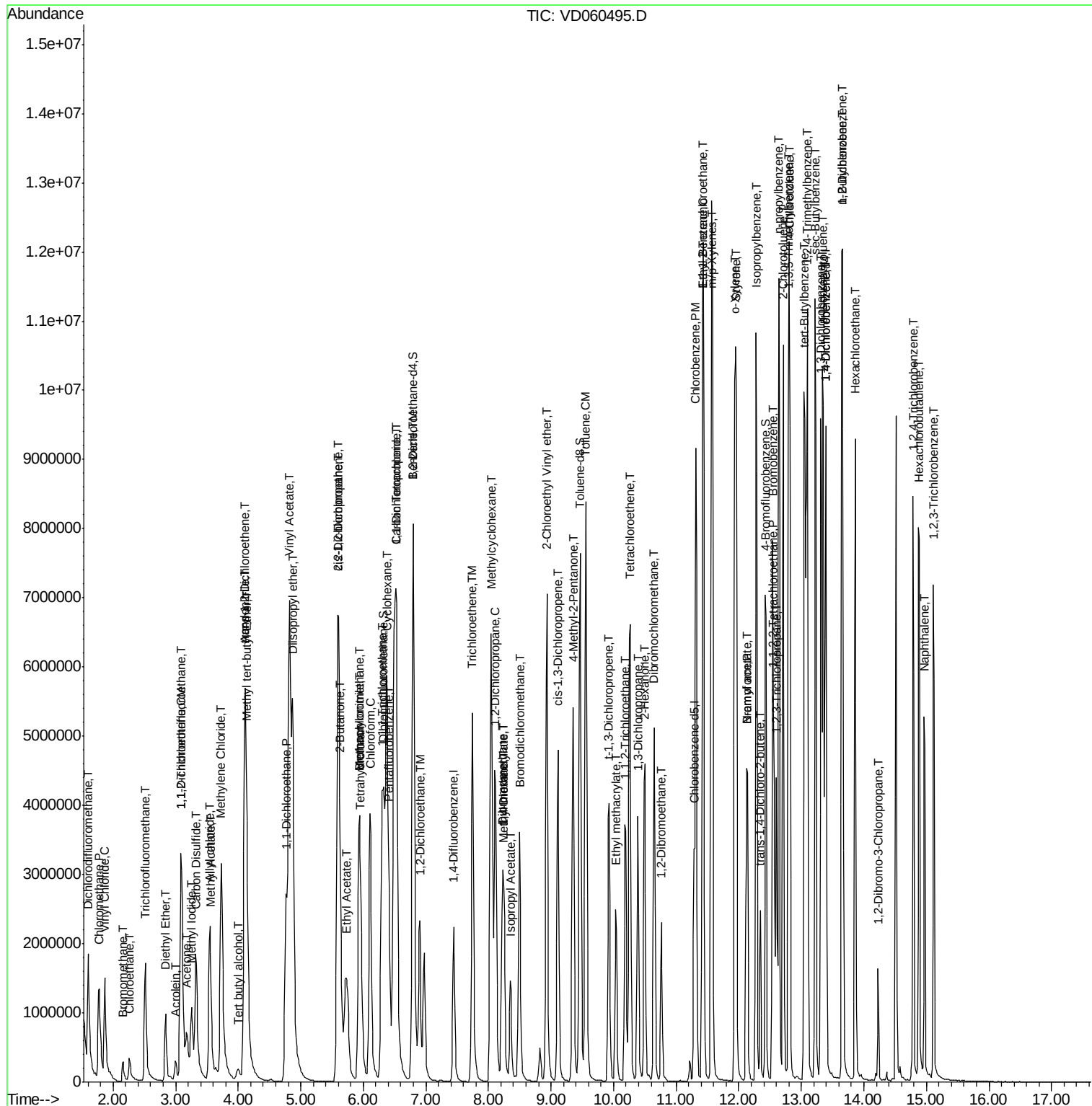
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD120518\
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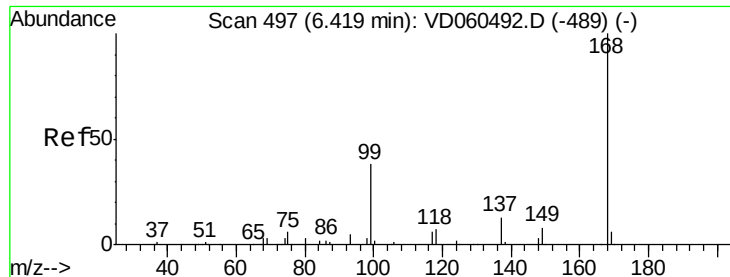
Instrument :
MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion:168 Resp: 1695515

Ion Ratio Lower Upper

168 100

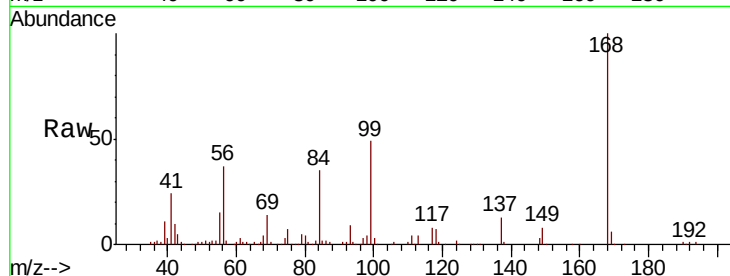
99 49.4 35.6 53.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

800000

600000

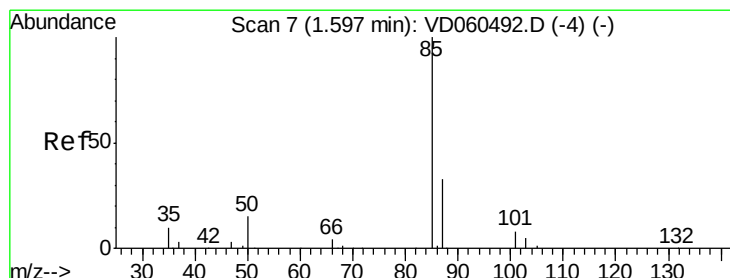
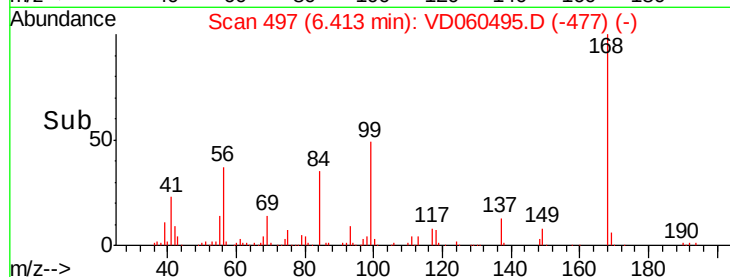
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 142.918 ug/l

RT: 1.60 min Scan# 8

Delta R.T. 0.00 min

Lab File: VD060495.D

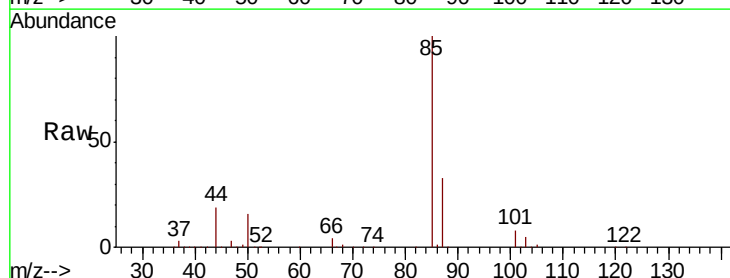
Acq: 5 Dec 2018 16:30

Tgt Ion: 85 Resp: 2236116

Ion Ratio Lower Upper

85 100

87 33.1 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1000000

800000

600000

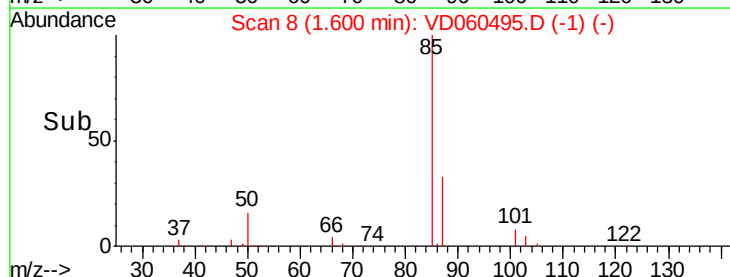
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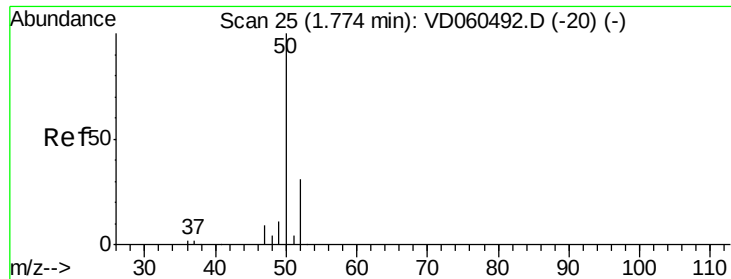
200000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 145.654 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 50 Resp: 2366352

Ion Ratio Lower Upper

50 100

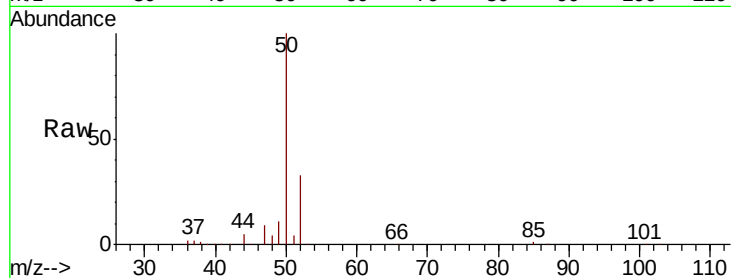
52 32.5 25.0 37.4

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

800000

600000

400000

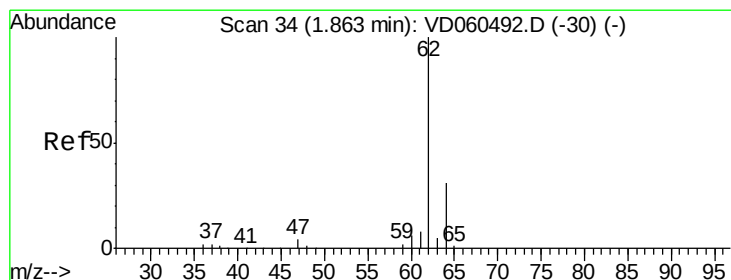
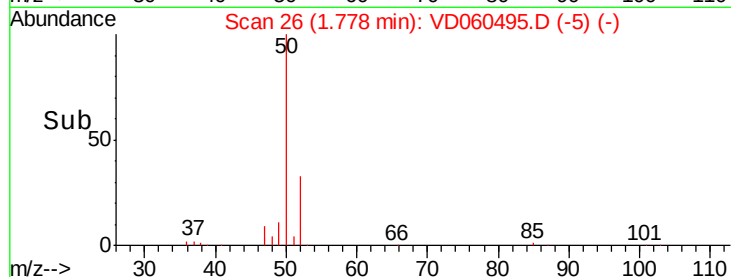
200000

0

1.78

1.70 1.80 1.90 2.00

Time-->



#4

Vinyl Chloride

Concen: 145.828 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.00 min

Lab File: VD060495.D

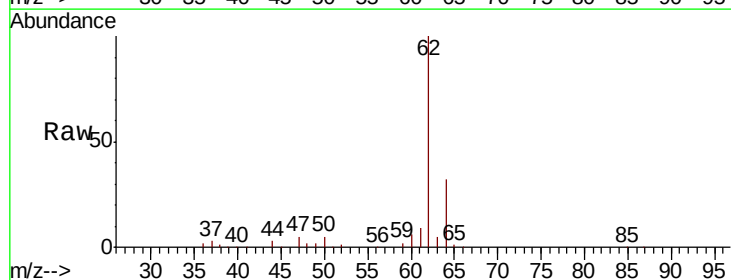
Acq: 5 Dec 2018 16:30

Tgt Ion: 62 Resp: 1930459

Ion Ratio Lower Upper

62 100

64 31.7 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1000000

800000

600000

400000

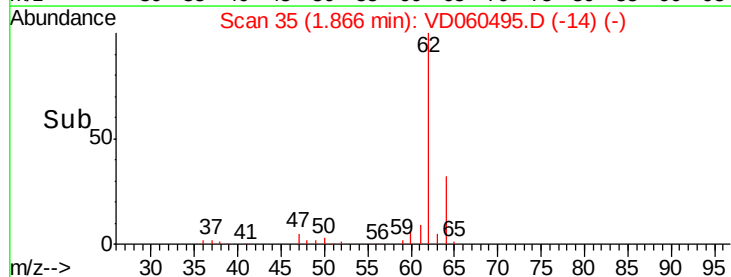
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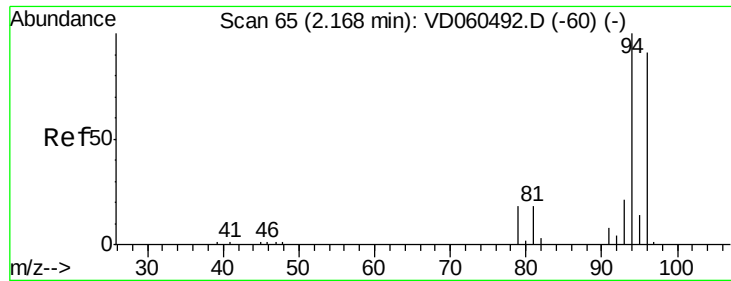
0

1.87

1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 76.239 ug/l

RT: 2.15 min Scan# 64

Delta R.T. -0.02 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

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ClientSampleId :

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Tgt Ion: 94 Resp: 242966

Ion Ratio Lower Upper

94 100

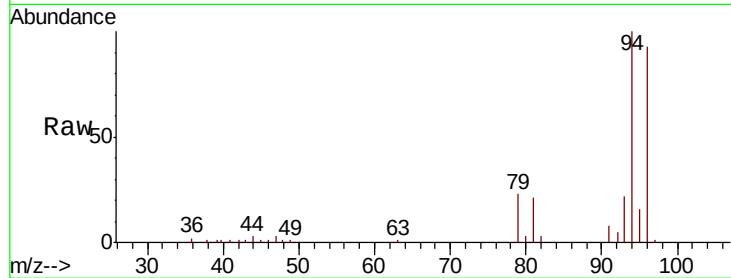
96 92.8 72.6 108.8

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.15

100000

80000

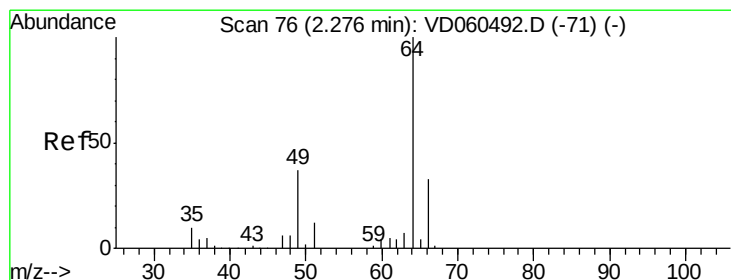
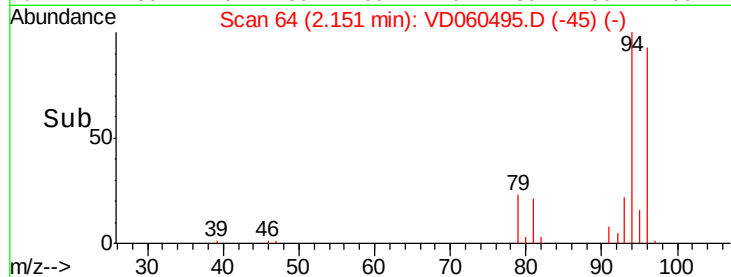
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 86.646 ug/l

RT: 2.26 min Scan# 75

Delta R.T. -0.02 min

Lab File: VD060495.D

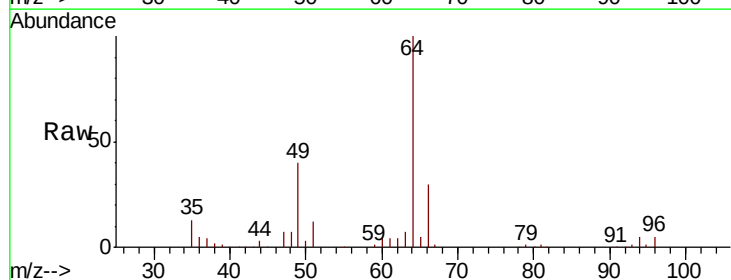
Acq: 5 Dec 2018 16:30

Tgt Ion: 64 Resp: 376972

Ion Ratio Lower Upper

64 100

66 30.0 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

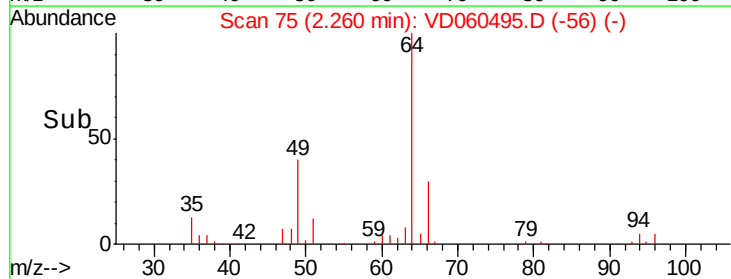
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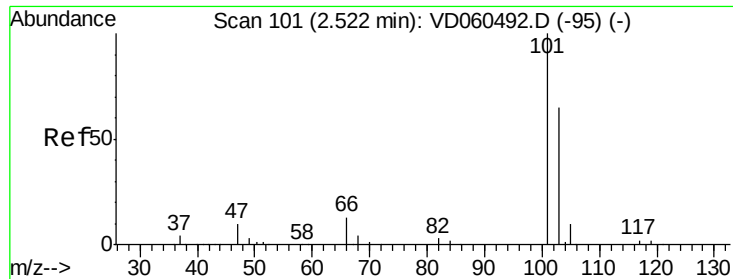
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50000

0

Time-->





#7

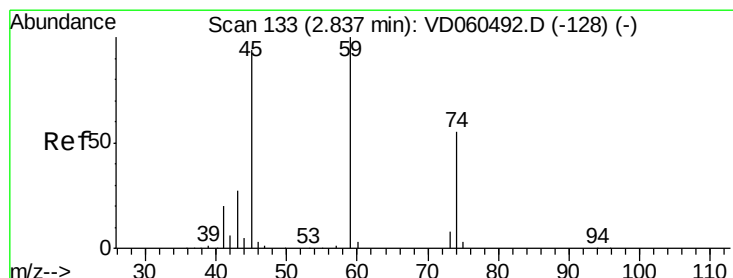
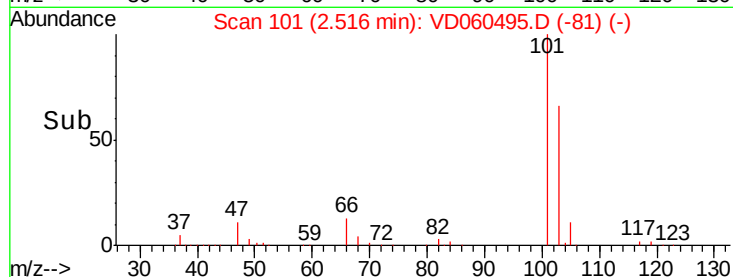
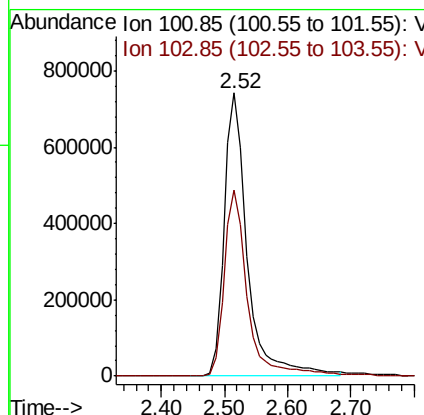
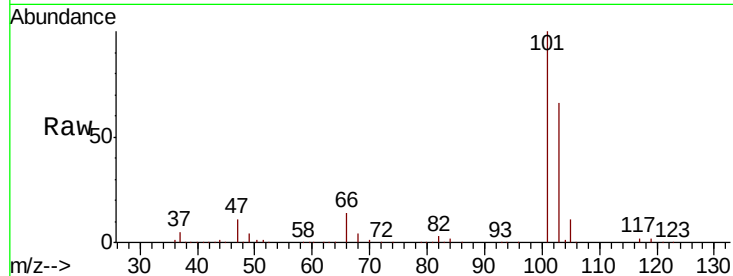
Trichlorofluoromethane
 Concen: 121.385 ug/l
 RT: 2.52 min Scan# 101
 Delta R.T. -0.01 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

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 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion: 101 Resp: 1897844
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.8 77.8

Manual Integrations
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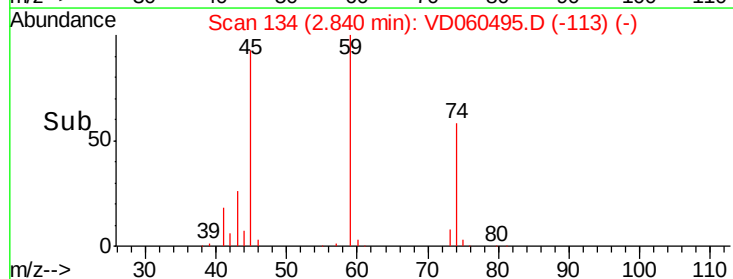
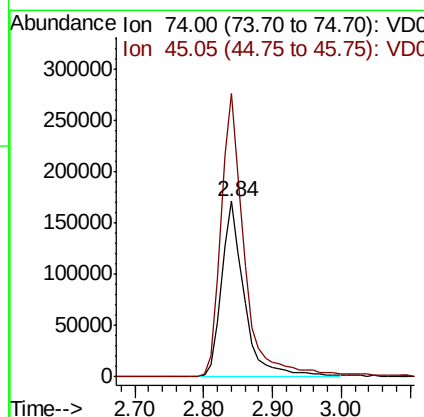
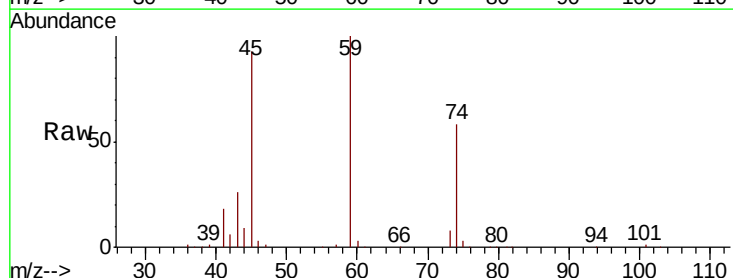
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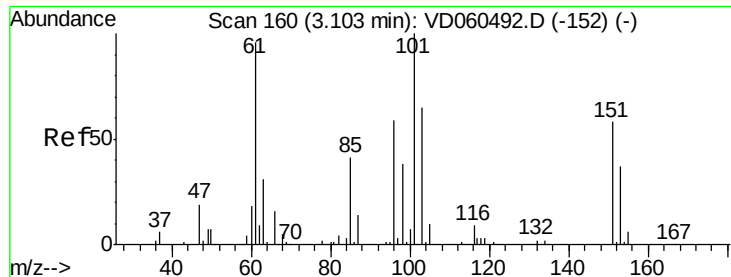


#8

Diethyl Ether
 Concen: 139.557 ug/l
 RT: 2.84 min Scan# 134
 Delta R.T. 0.00 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

Tgt Ion: 74 Resp: 392089
 Ion Ratio Lower Upper
 74 100
 45 161.2 86.0 258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 127.164 ug/l

RT: 3.10 min Scan# 160

Delta R.T. -0.01 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion:101 Resp: 1290314

Ion Ratio Lower Upper

101 100

85 41.5 32.7 49.1

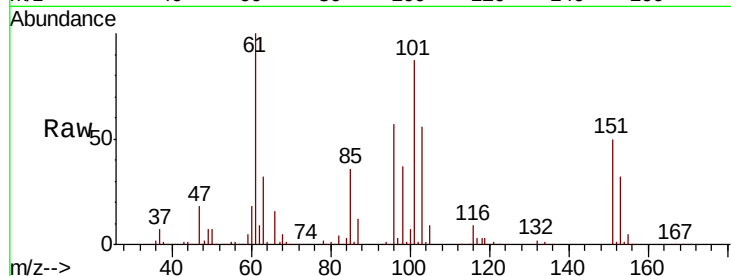
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Manual Integrations

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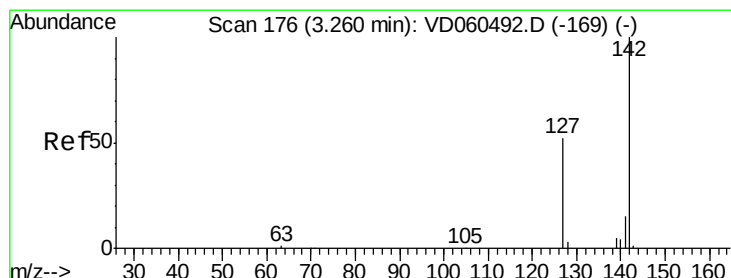
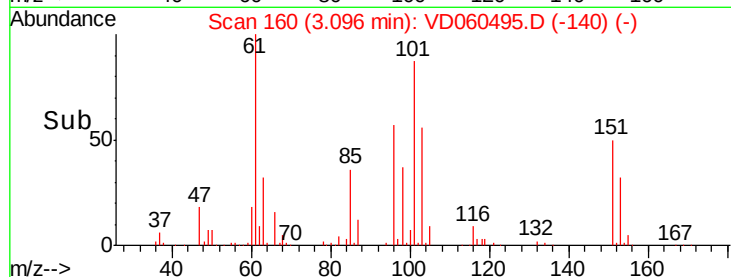
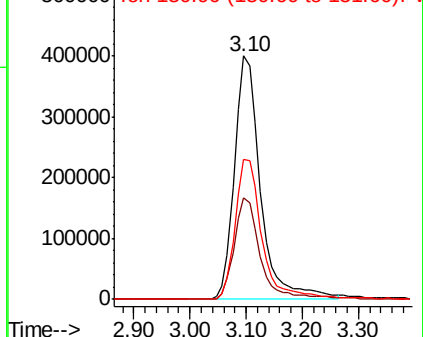
12/6/2018 10:53:56 AM



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: 131.296 ug/l

RT: 3.25 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

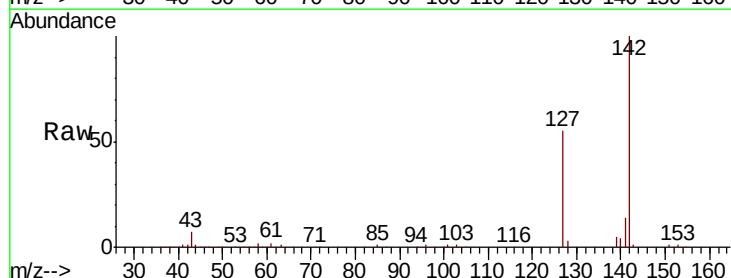
Tgt Ion:142 Resp: 1719314

Ion Ratio Lower Upper

142 100

127 55.5 41.2 61.8

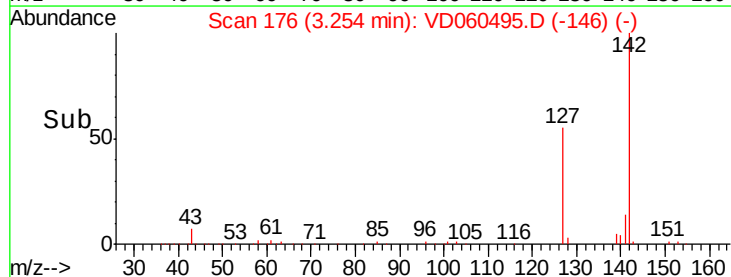
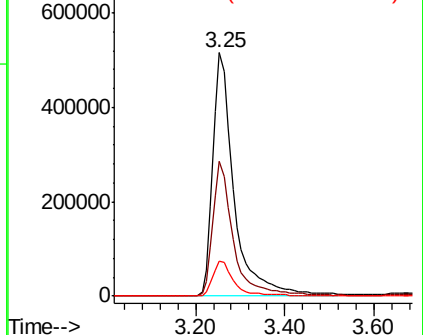
141 14.4 11.9 17.9

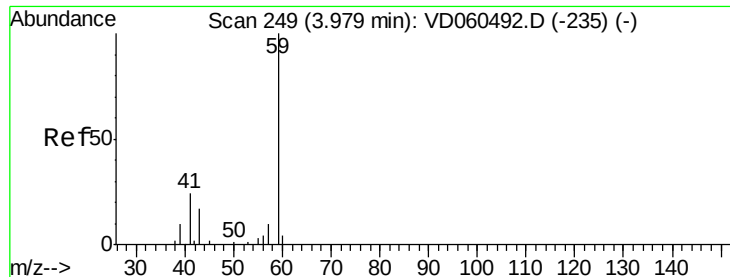


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





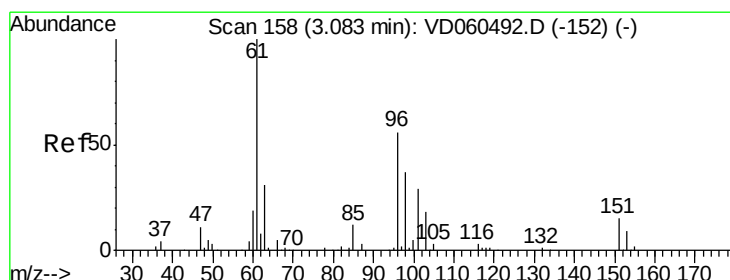
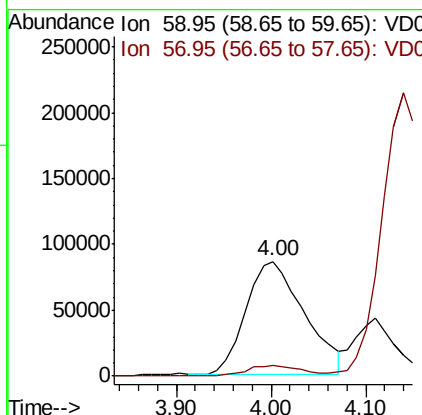
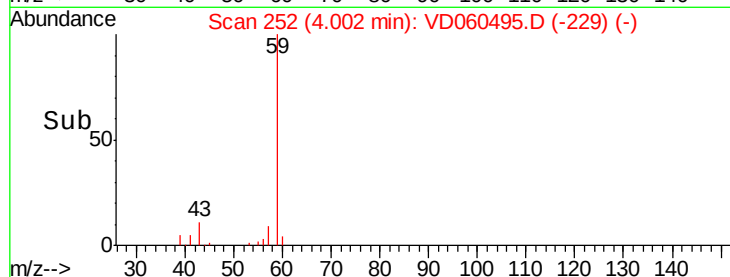
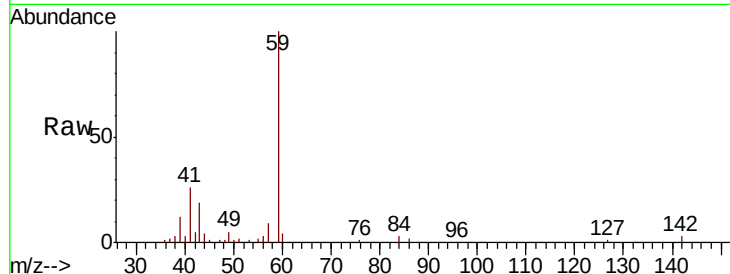
#11
Tert butyl alcohol
Concen: 742.081 ug/l
RT: 4.00 min Scan# 252
Delta R.T. 0.02 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 59 Resp: 368119
Ion Ratio Lower Upper
59 100
57 9.4 8.1 12.1

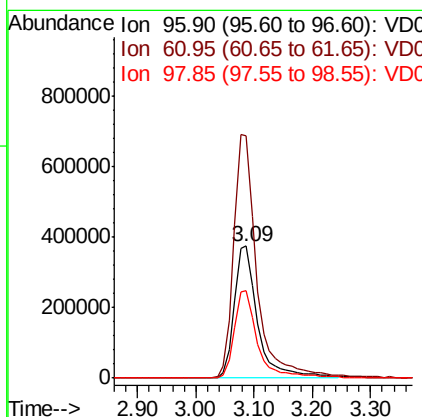
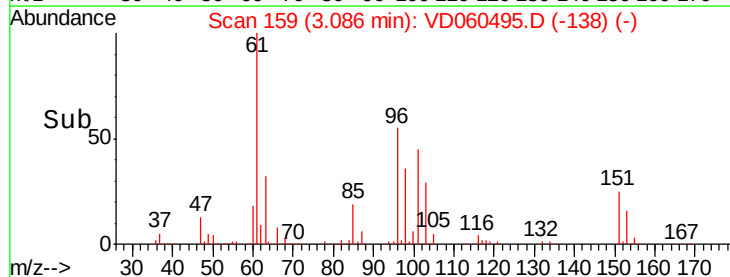
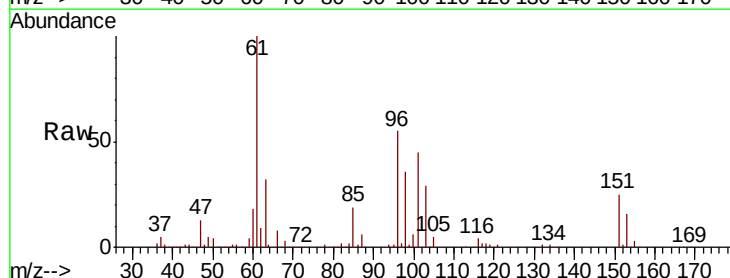
Manual Integrations
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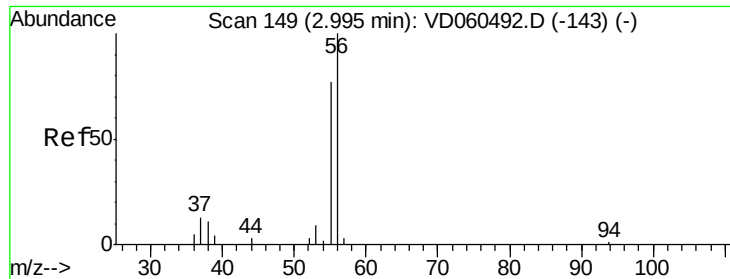
apatel
12/6/2018 10:53:56 AM



#12
1,1-Dichloroethene
Concen: 127.107 ug/l
RT: 3.09 min Scan# 159
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion: 96 Resp: 1049969
Ion Ratio Lower Upper
96 100
61 183.2 143.0 214.4
98 66.3 53.4 80.0





#13

Acrolein

Concen: 622.763 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 360874

Ion Ratio Lower Upper

56 100

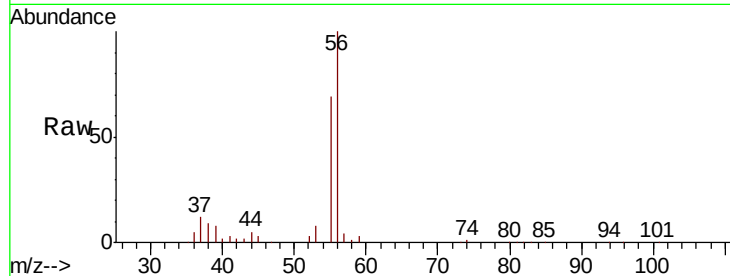
55 69.0 62.0 93.0

Manual Integrations

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.00

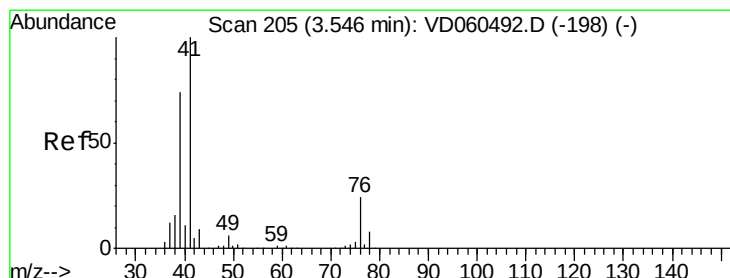
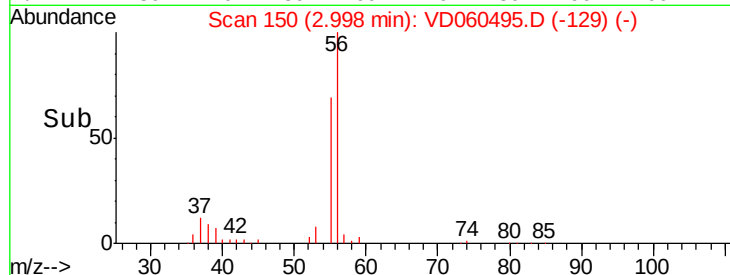
150000

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 136.369 ug/l

RT: 3.55 min Scan# 206

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

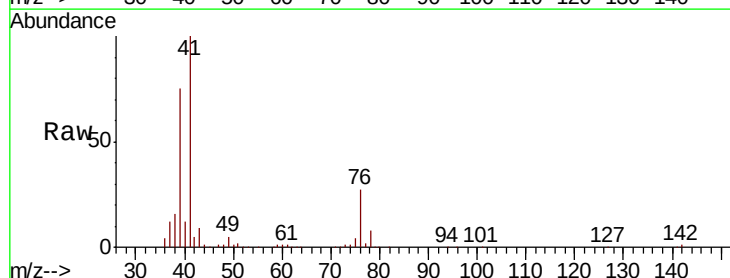
Tgt Ion: 41 Resp: 2163622

Ion Ratio Lower Upper

41 100

39 75.4 59.3 88.9

76 27.1 21.0 31.6



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

1000000

800000

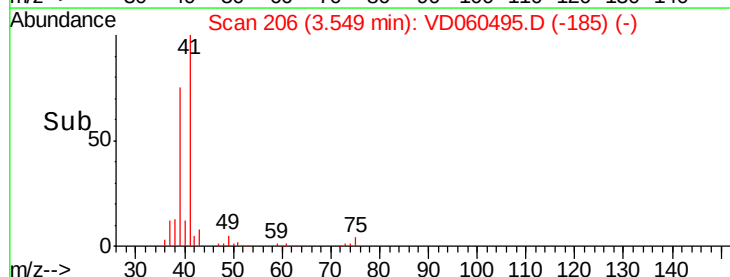
600000

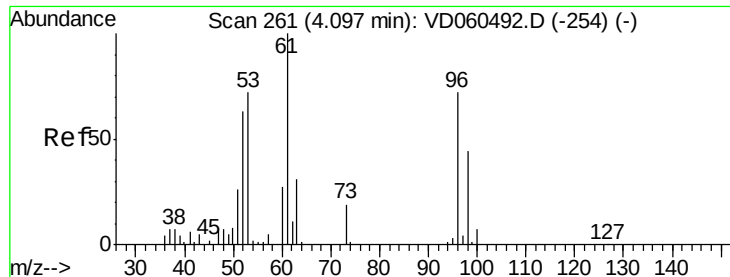
400000

200000

0

Time-->





#15

Acrylonitrile

Concen: 666.298 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 53 Resp: 1928755

Ion Ratio Lower Upper

53 100

52 83.9 70.0 105.0

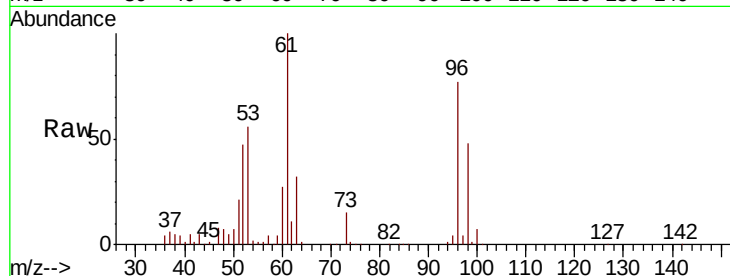
51 38.0 28.8 43.2

Manual Integrations

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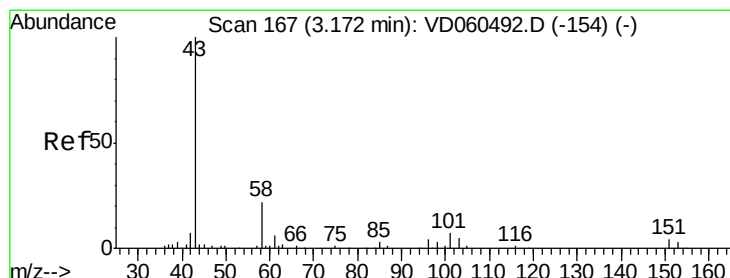
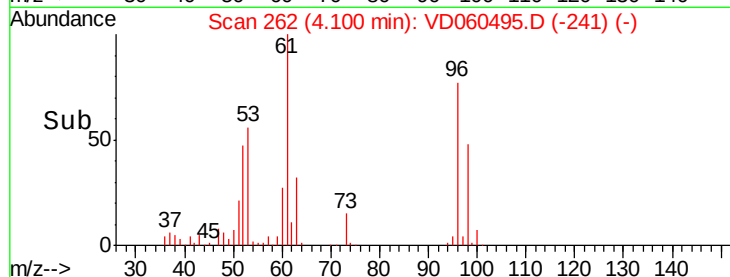
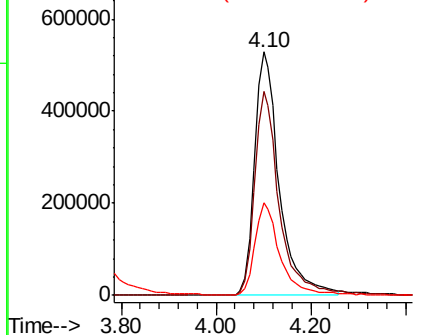
12/6/2018 10:53:56 AM



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 655.274 ug/l

RT: 3.17 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD060495.D

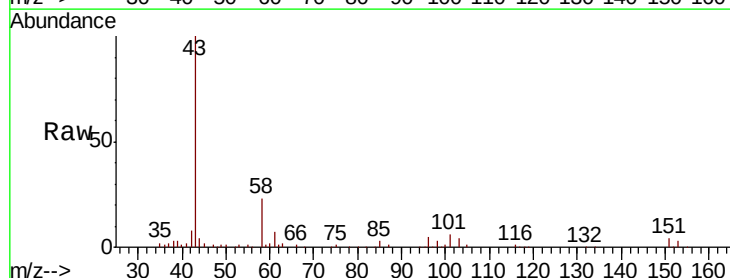
Acq: 5 Dec 2018 16:30

Tgt Ion: 43 Resp: 1373827

Ion Ratio Lower Upper

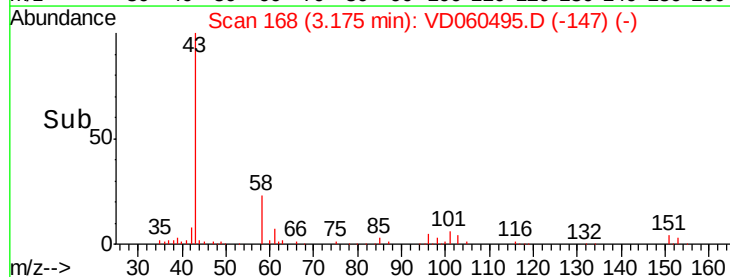
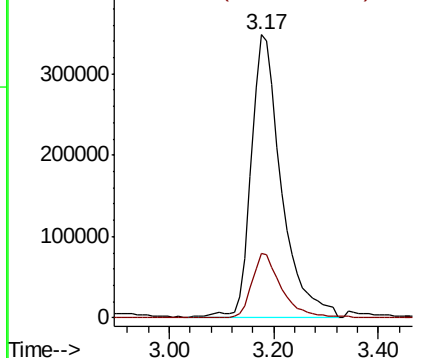
43 100

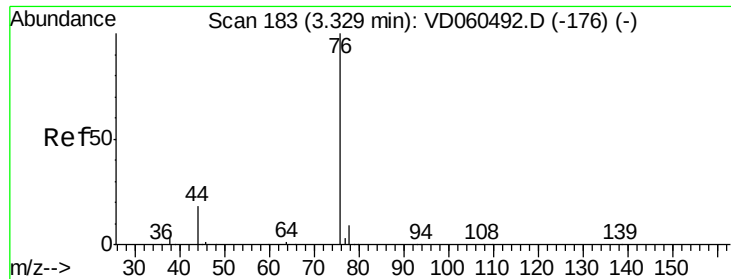
58 22.6 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





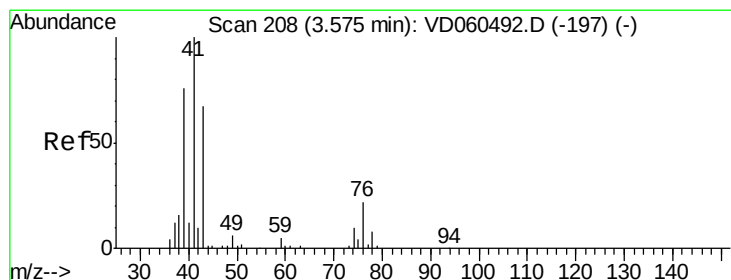
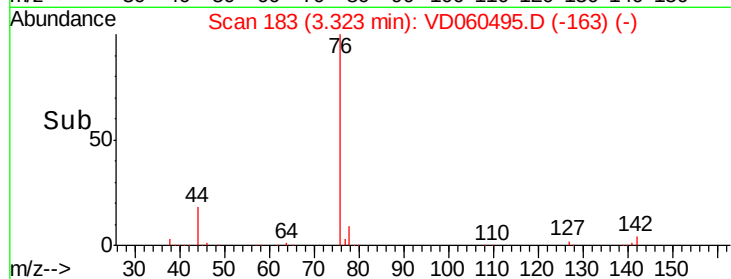
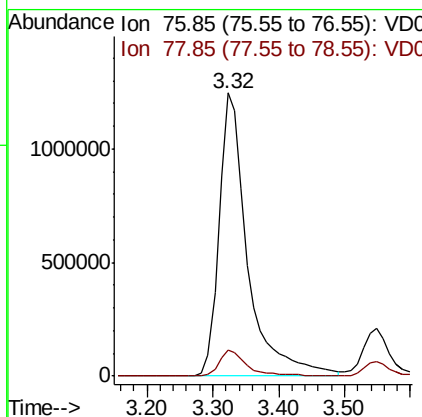
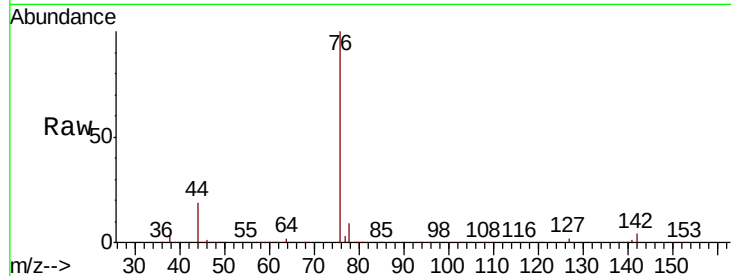
#17
Carbon Disulfide
Concen: 140.059 ug/l
RT: 3.32 min Scan# 183
Delta R.T. -0.01 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 76 Resp: 3757094
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6

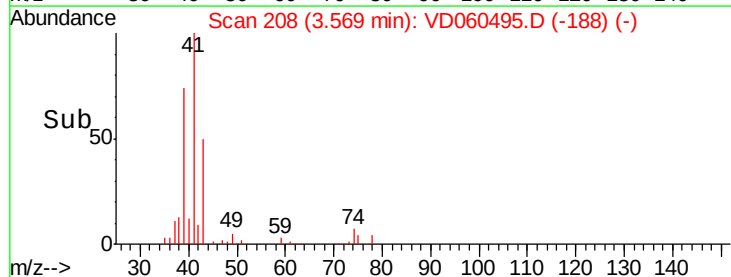
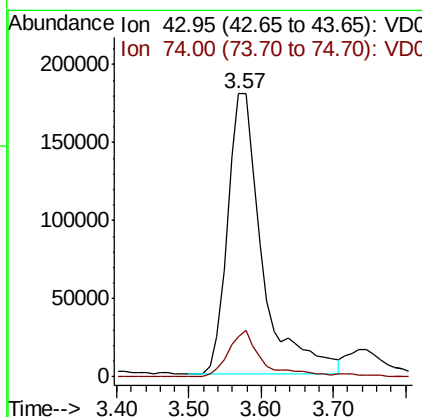
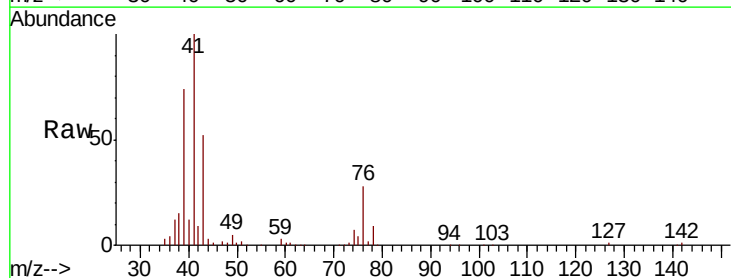
Manual Integrations
APPROVED

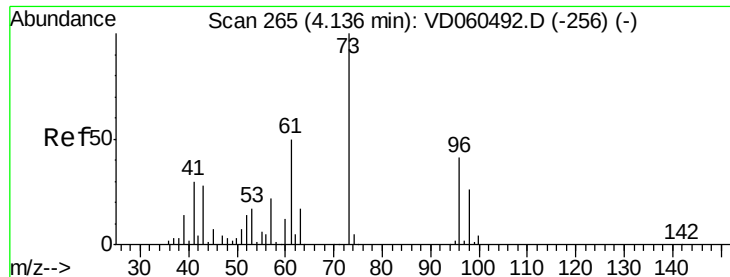
apatel
12/6/2018 10:53:56 AM



#18
Methyl Acetate
Concen: 132.894 ug/l
RT: 3.57 min Scan# 208
Delta R.T. -0.01 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion: 43 Resp: 603517
Ion Ratio Lower Upper
43 100
74 14.4 12.0 18.0





#19

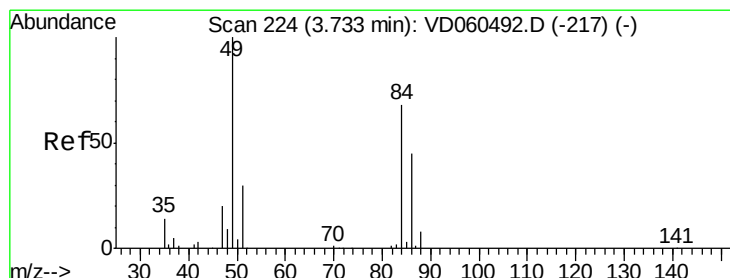
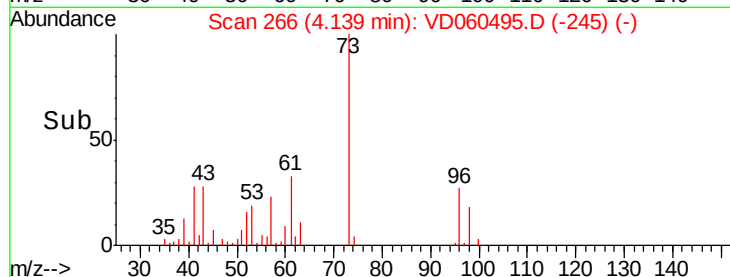
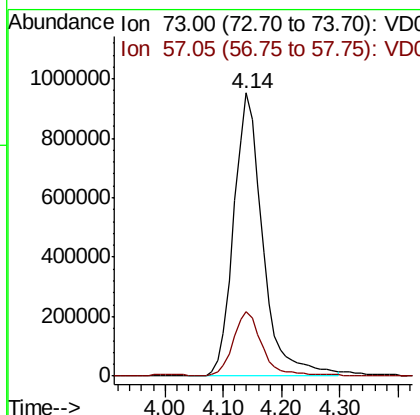
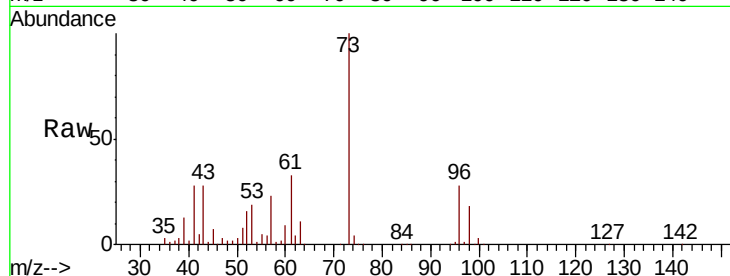
Methyl tert-butyl Ether
 Concen: 134.509 ug/l
 RT: 4.14 min Scan# 266
 Delta R.T. 0.00 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC150

Tgt Ion: 73 Resp: 3315493
 Ion Ratio Lower Upper
 73 100
 57 22.6 17.8 26.6

Manual Integrations
 APPROVED

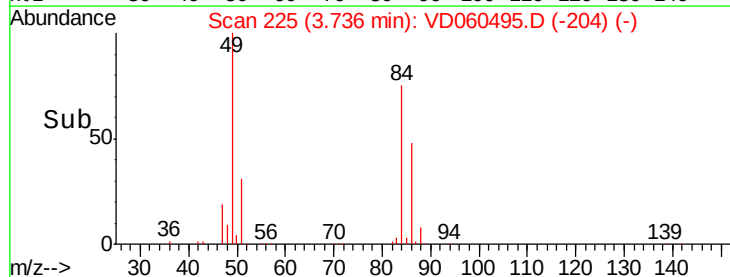
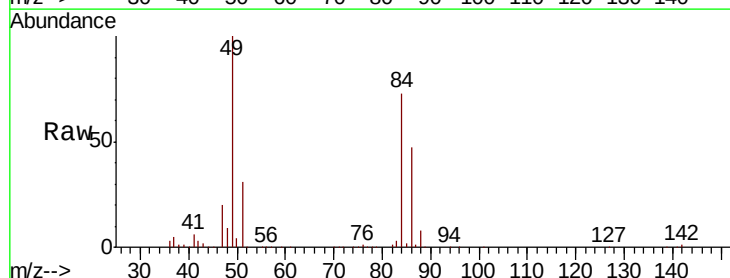
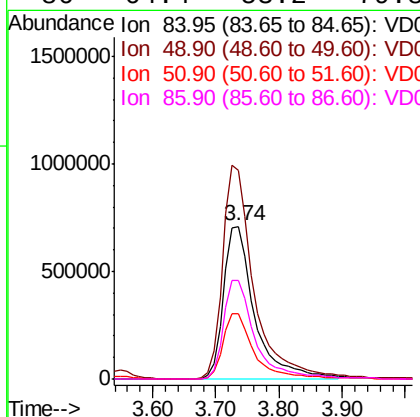
apatel
 12/6/2018 10:53:56 AM

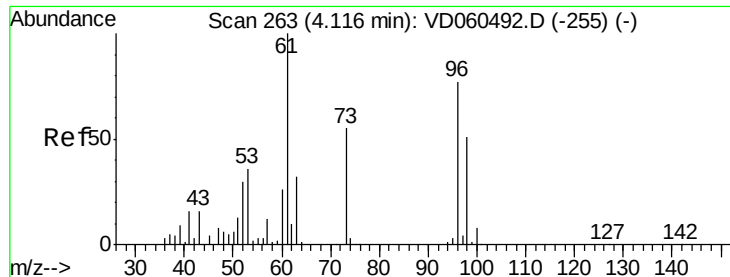


#20

Methylene Chloride
 Concen: 129.187 ug/l
 RT: 3.74 min Scan# 225
 Delta R.T. 0.00 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

Tgt Ion: 84 Resp: 2433403
 Ion Ratio Lower Upper
 84 100
 49 136.7 117.2 175.8
 51 42.4 35.3 52.9
 86 64.4 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 137.168 ug/l

RT: 4.11 min Scan# 263

Delta R.T. -0.01 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC150

Tgt Ion: 96 Resp: 2528537

Ion Ratio Lower Upper

96 100

61 126.7 104.2 156.4

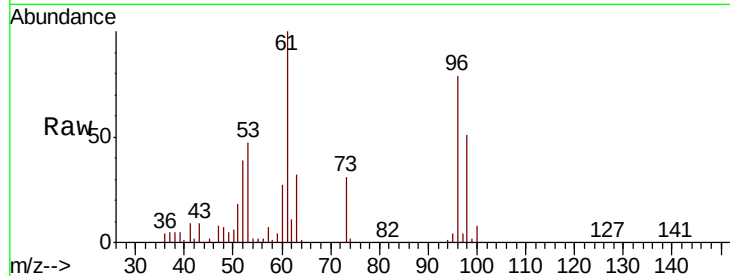
98 64.1 52.8 79.2

Manual Integrations

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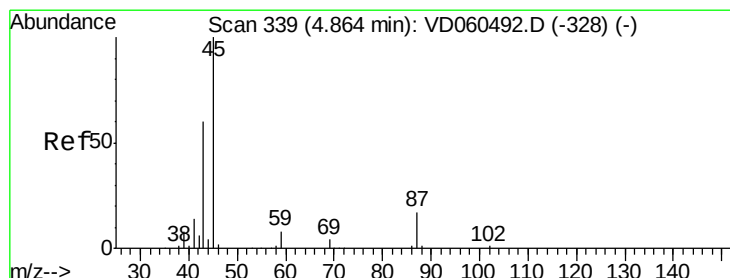
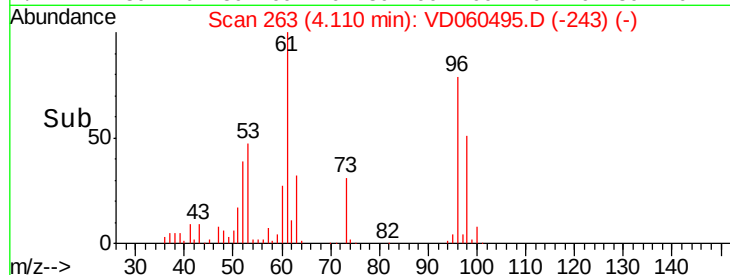
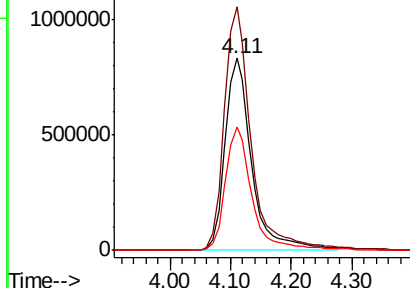
12/6/2018 10:53:56 AM



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: 132.620 ug/l

RT: 4.87 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Tgt Ion: 45 Resp: 7822580

Ion Ratio Lower Upper

45 100

43 59.4 48.6 73.0

87 17.9 14.0 21.0

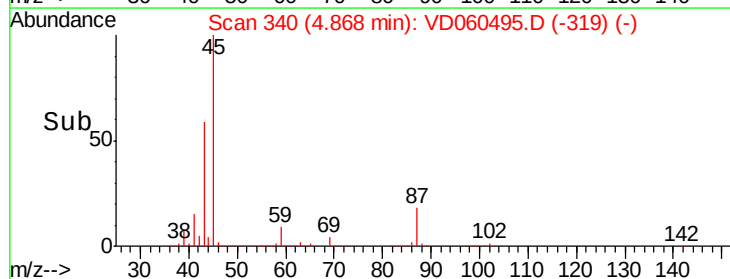
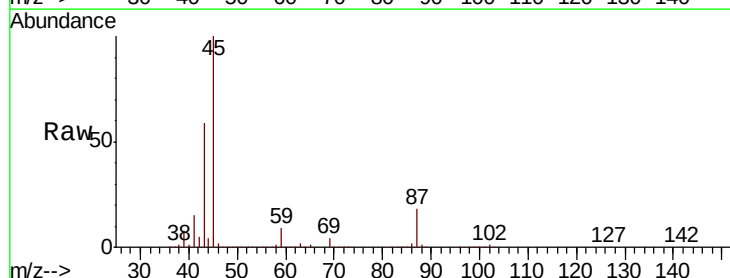
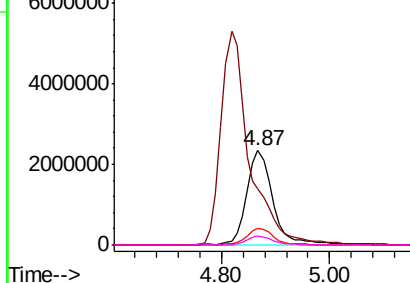
59 9.2 6.9 10.3

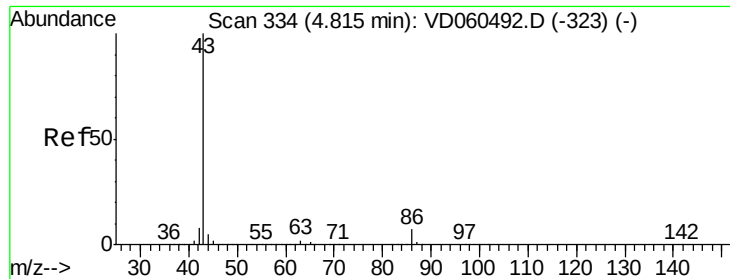
Abundance Ion 45.05 (44.75 to 45.75): VDC

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





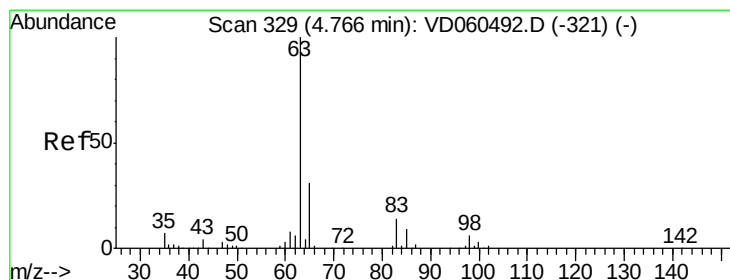
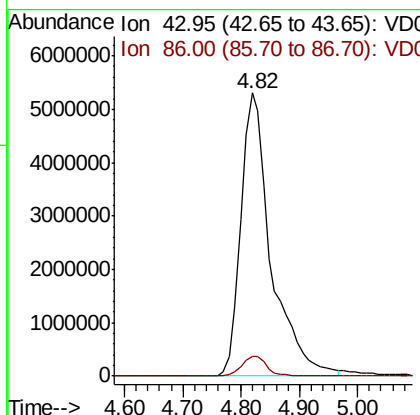
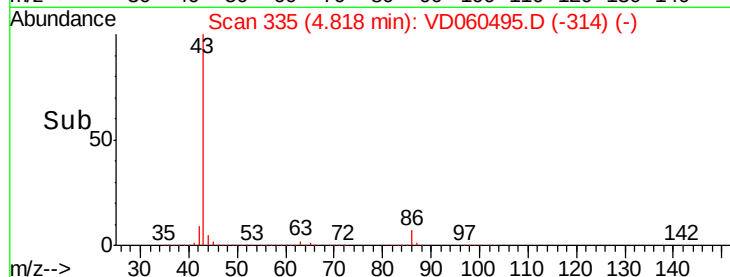
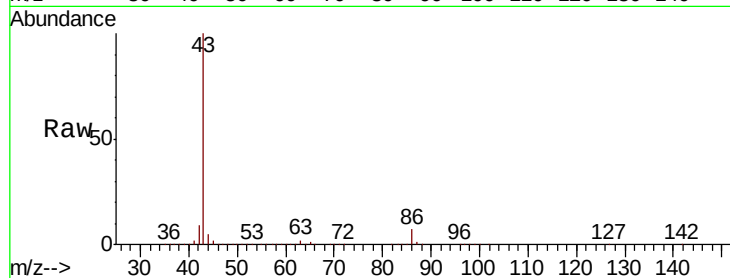
#23
 Vinyl Acetate
 Concen: 649.911 ug/l
 RT: 4.82 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion: 43 Resp:19145002
 Ion Ratio Lower Upper
 43 100
 86 7.1 5.5 8.3

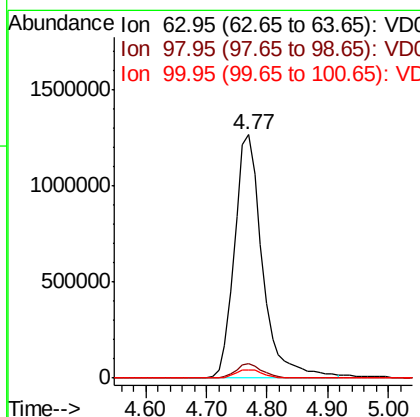
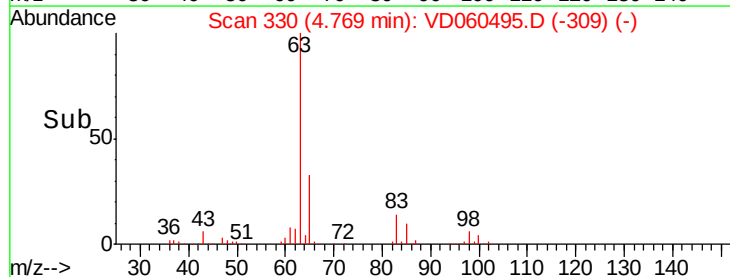
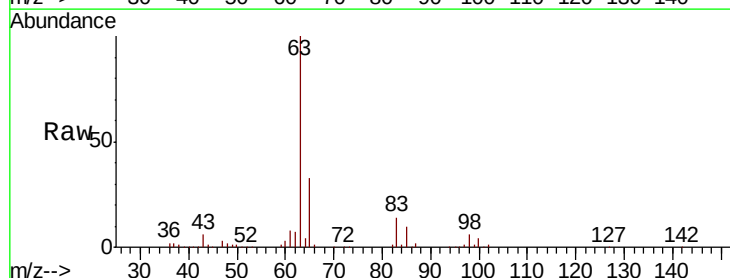
Manual Integrations
 APPROVED

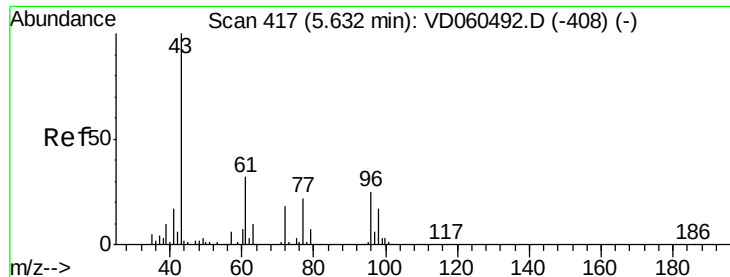
apatel
 12/6/2018 10:53:56 AM



#24
 1,1-Dichloroethane
 Concen: 134.173 ug/l
 RT: 4.77 min Scan# 330
 Delta R.T. 0.00 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

Tgt Ion: 63 Resp: 4072595
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.8 8.3
 100 3.5 1.7 5.1





#25

2-Butanone

Concen: 637.329 ug/l

RT: 5.64 min Scan# 418

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 2746744

Ion Ratio Lower Upper

43 100

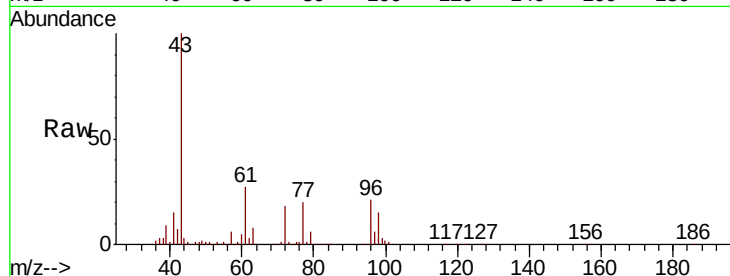
72 17.7 14.6 21.8

Manual Integrations

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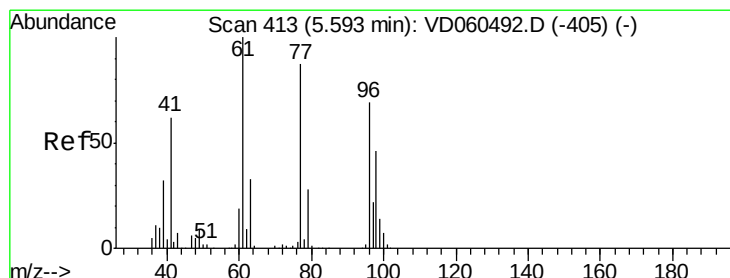
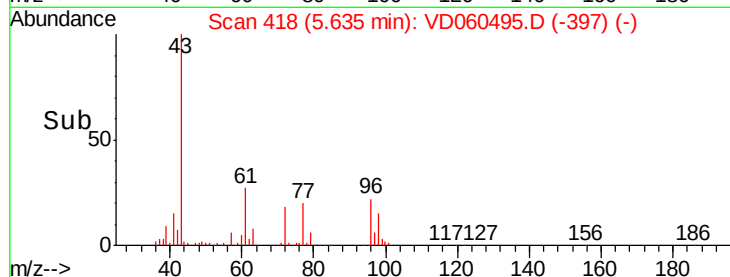
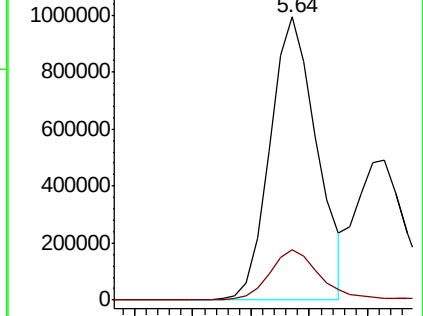
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 130.236 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD060495.D

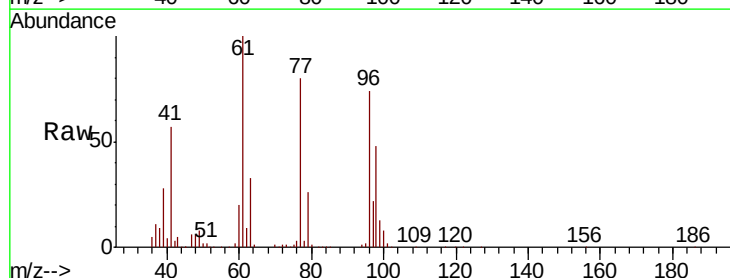
Acq: 5 Dec 2018 16:30

Tgt Ion: 77 Resp: 3058371

Ion Ratio Lower Upper

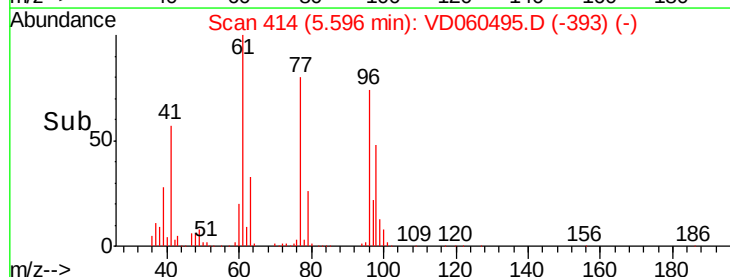
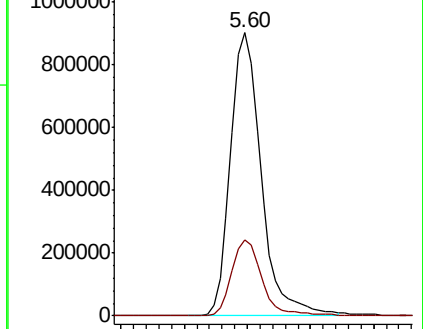
77 100

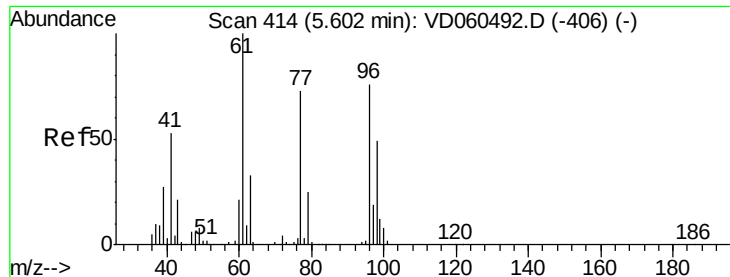
97 27.1 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

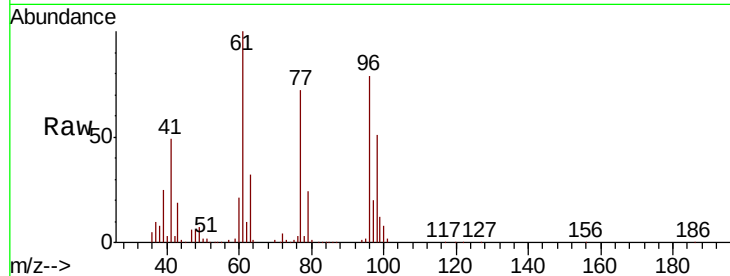
cis-1,2-Dichloroethene
Concen: 136.329 ug/l
RT: 5.61 min Scan# 415
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

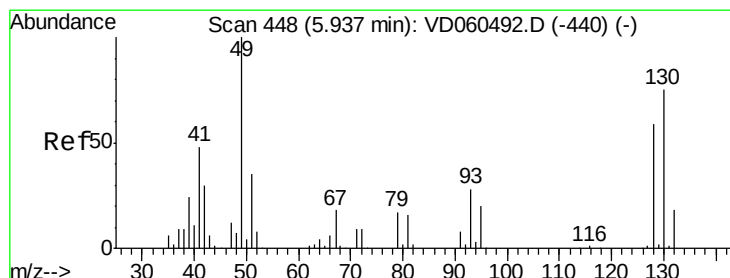
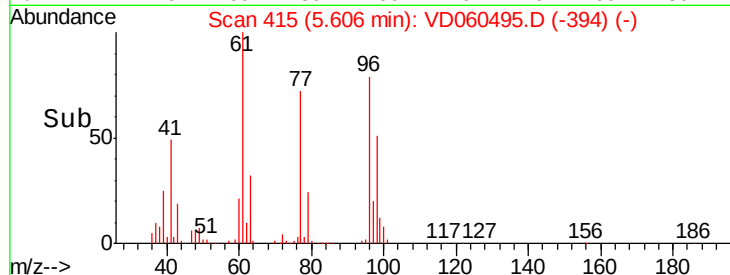
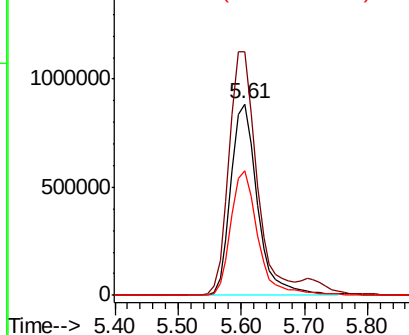
Tgt Ion: 96 Resp: 2606537
Ion Ratio Lower Upper
96 100
61 127.0 0.0 263.6
98 65.2 0.0 128.2

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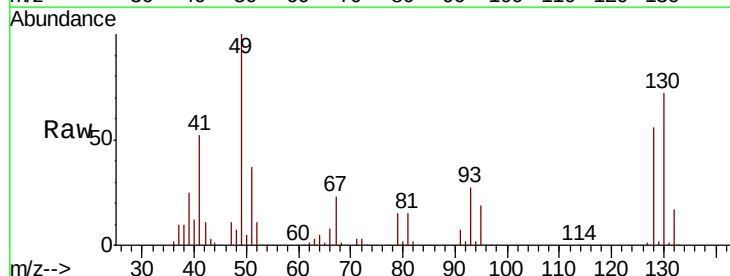
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



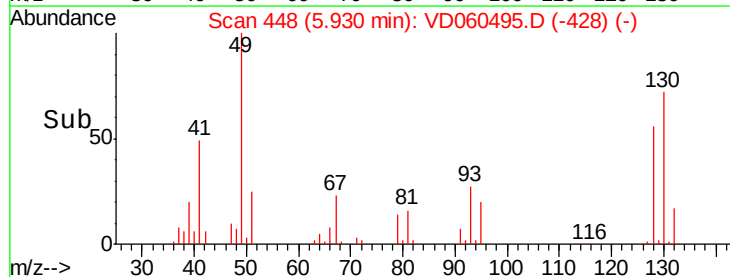
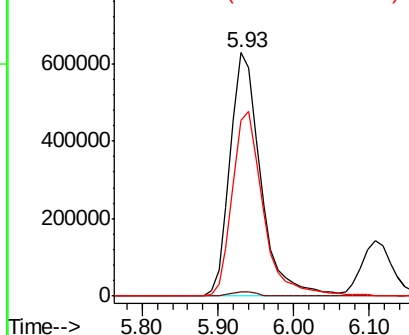
#28

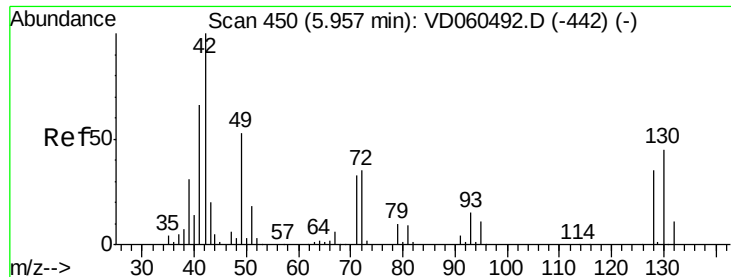
Bromochloromethane
Concen: 131.896 ug/l
RT: 5.93 min Scan# 448
Delta R.T. -0.01 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion: 49 Resp: 1766321
Ion Ratio Lower Upper
49 100
129 1.9 0.0 3.4
130 72.3 59.8 89.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





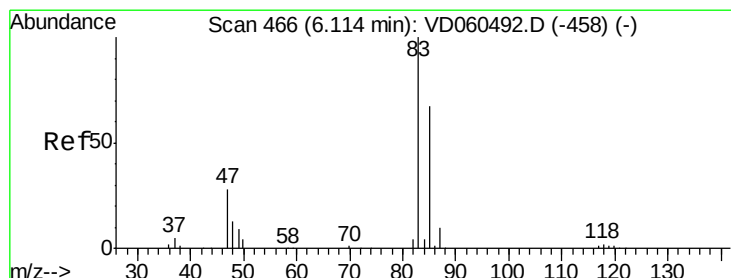
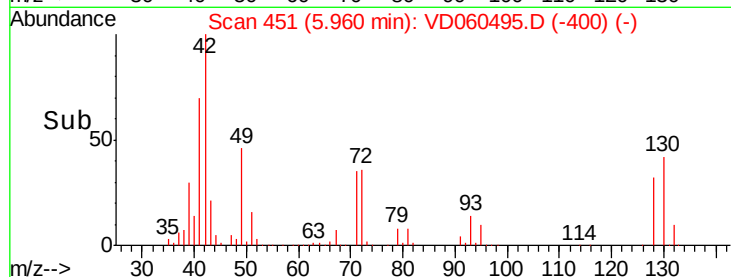
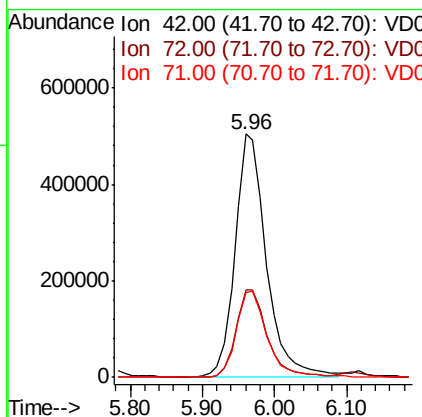
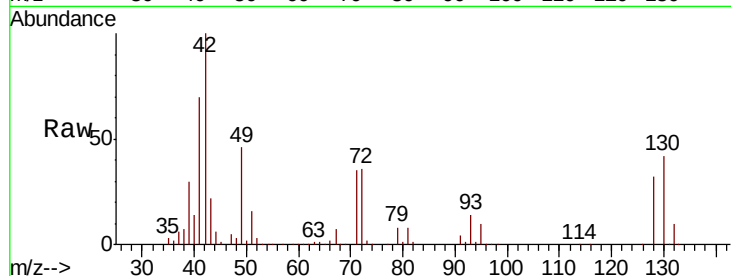
#29
Tetrahydrofuran
Concen: 660.971 ug/l
RT: 5.96 min Scan# 451
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 42 Resp: 1518501
Ion Ratio Lower Upper
42 100
72 36.4 28.0 42.0
71 35.7 27.2 40.8

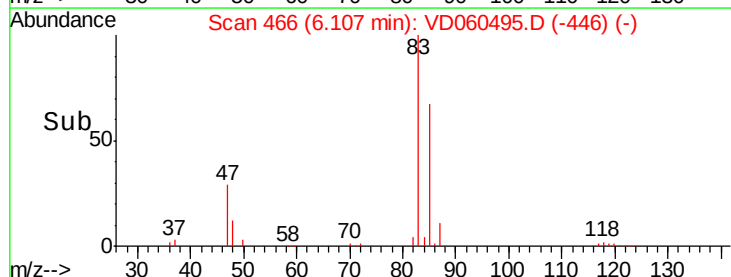
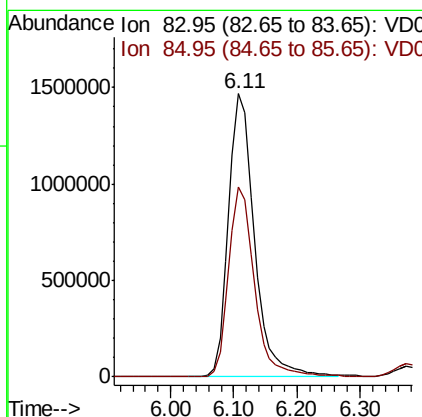
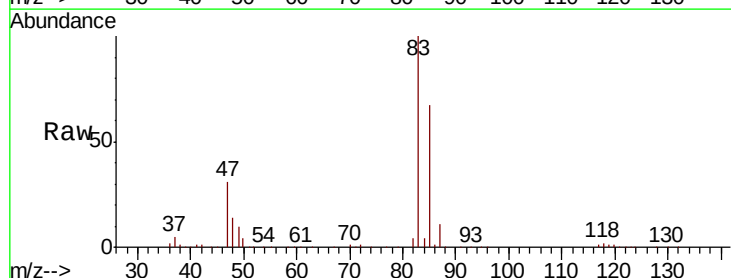
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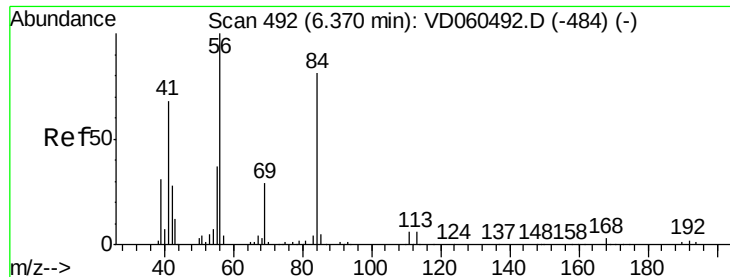
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#30
Chloroform
Concen: 138.149 ug/l
RT: 6.11 min Scan# 466
Delta R.T. -0.01 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion: 83 Resp: 4192592
Ion Ratio Lower Upper
83 100
85 67.1 53.4 80.2





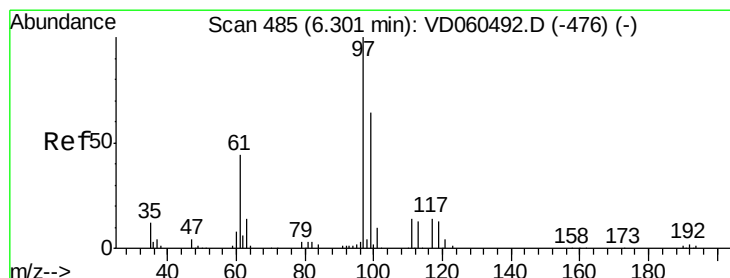
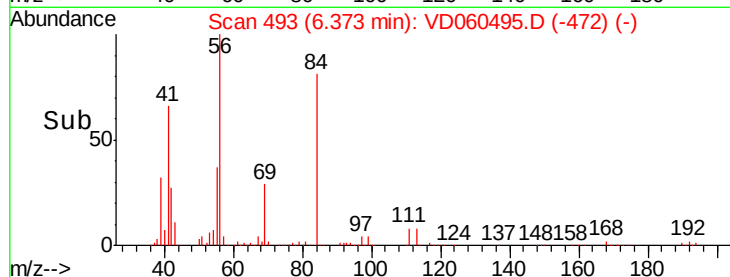
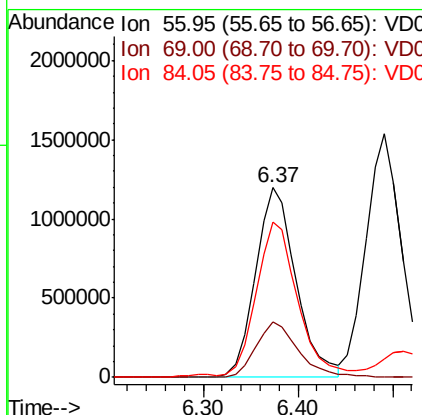
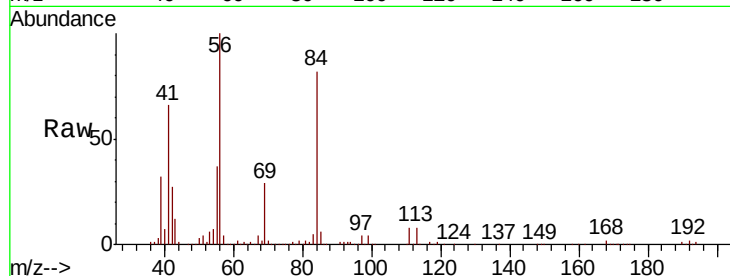
#31
Cyclohexane
Concen: 123.082 ug/l
RT: 6.37 min Scan# 493
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 56 Resp: 3556765
Ion Ratio Lower Upper
56 100
69 28.9 22.8 34.2
84 81.9 65.1 97.7

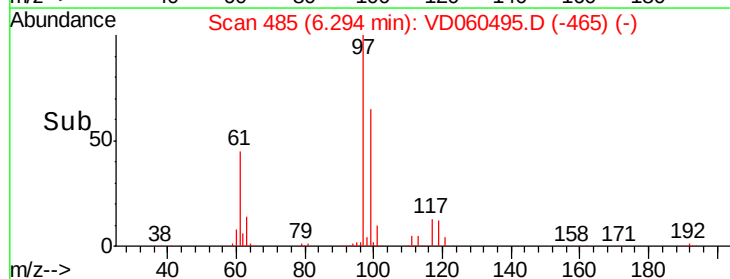
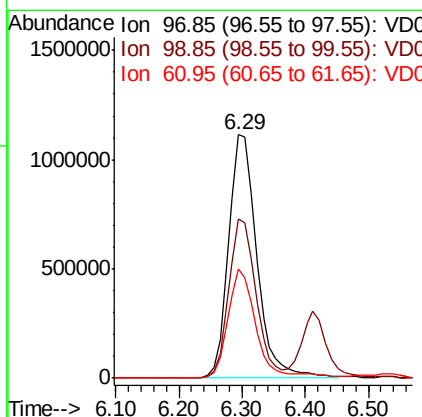
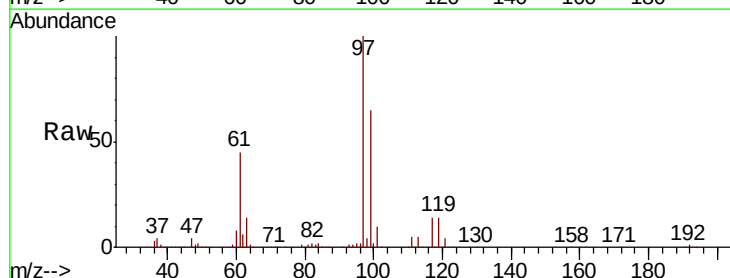
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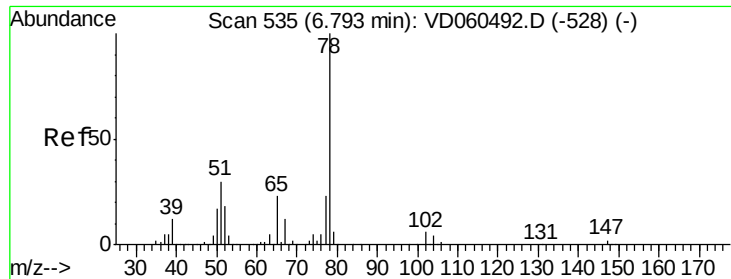
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#32
1,1,1-Trichloroethane
Concen: 135.406 ug/l
RT: 6.29 min Scan# 485
Delta R.T. -0.01 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion: 97 Resp: 3451232
Ion Ratio Lower Upper
97 100
99 65.3 51.0 76.4
61 44.8 35.3 52.9





#33

1,2-Dichloroethane-d4

Concen: 135.406 ug/l

RT: 6.80 min Scan# 536

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 65 Resp: 1587818

Ion Ratio Lower Upper

65 100

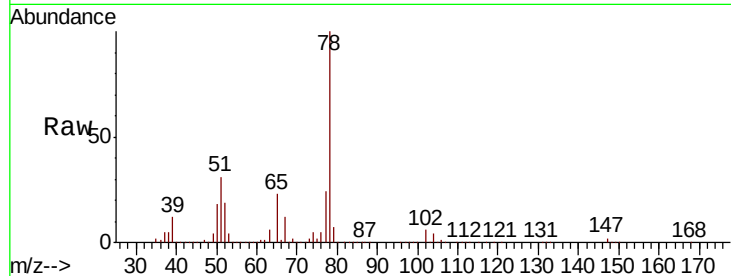
67 51.7 0.0 106.8

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.80

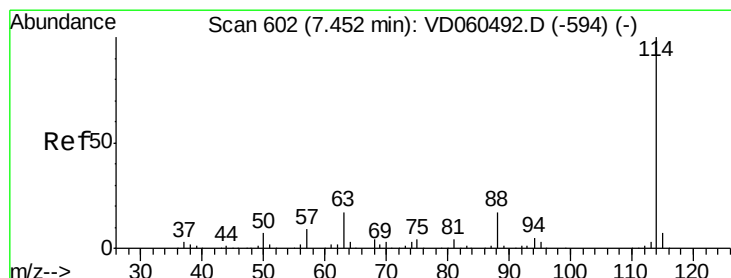
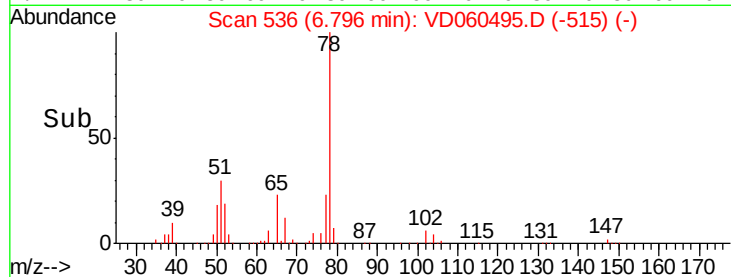
600000

400000

200000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

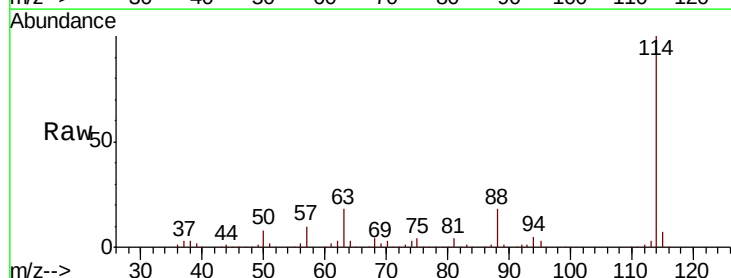
Tgt Ion: 114 Resp: 2423915

Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.2

88 18.0 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

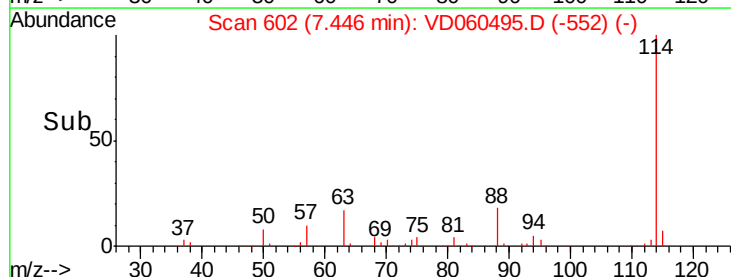
7.45

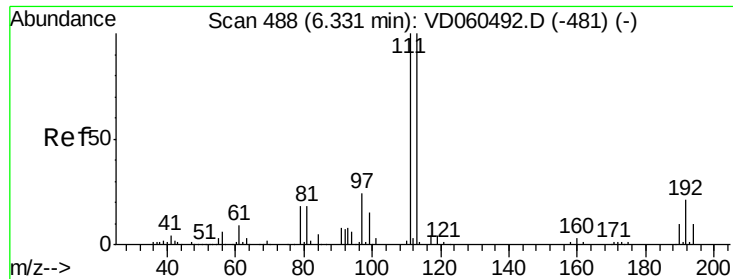
1000000

500000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.33 min Scan# 489

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion:113 Resp: 2369262

Ion Ratio Lower Upper

113 100

111 102.5 80.2 120.4

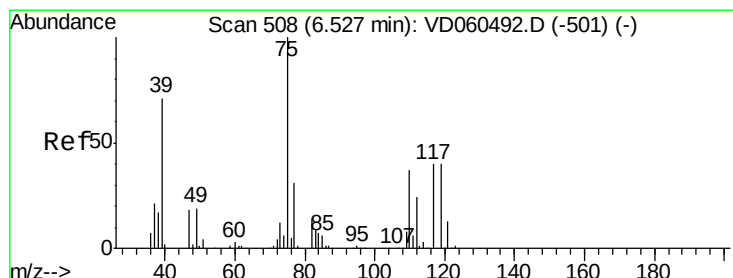
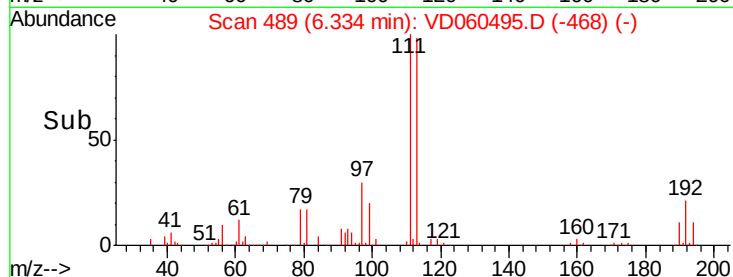
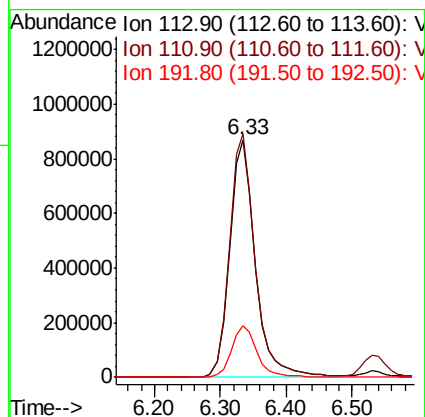
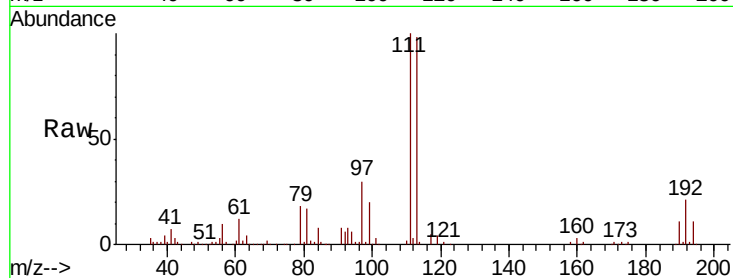
192 21.8 16.6 24.8

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#36

1,1-Dichloropropene

Concen: 124.123 ug/l

RT: 6.53 min Scan# 509

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

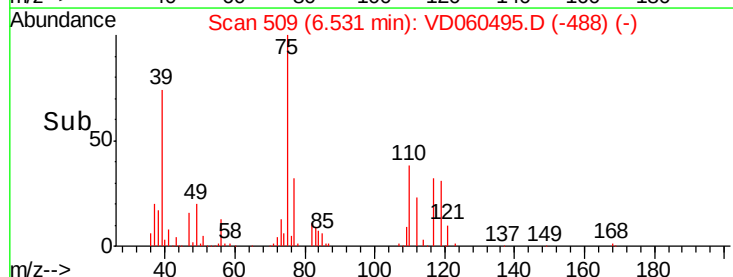
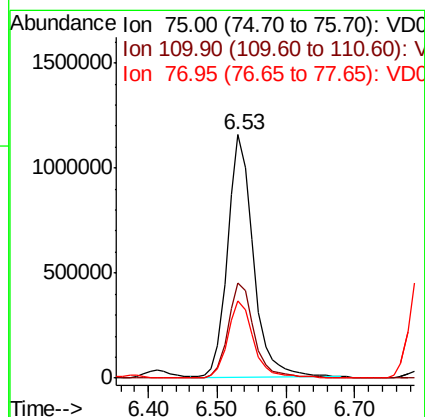
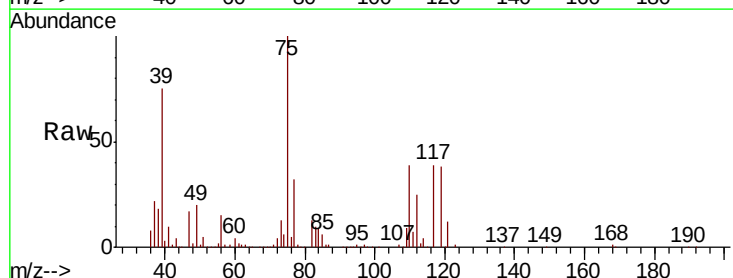
Tgt Ion: 75 Resp: 2974197

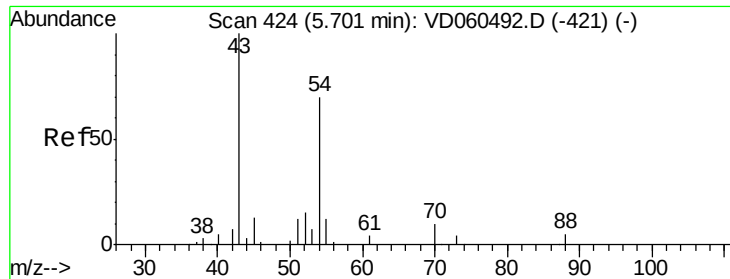
Ion Ratio Lower Upper

75 100

110 39.2 18.3 54.8

77 31.6 24.6 37.0





#37

Ethyl Acetate

Concen: 137.277 ug/l

RT: 5.71 min Scan# 426

Delta R.T. 0.01 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 1506500

Ion Ratio Lower Upper

43 100

61 15.4 12.4 18.6

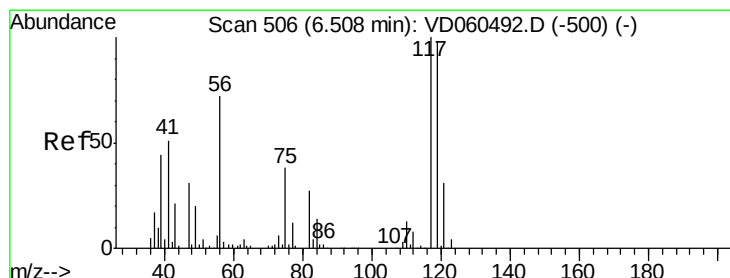
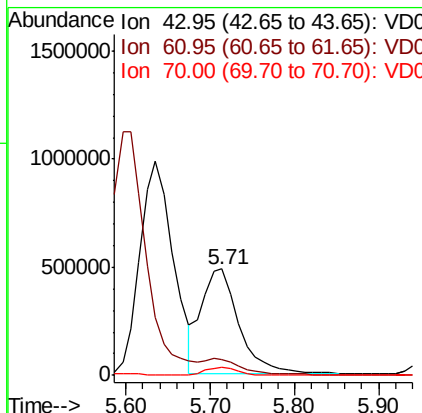
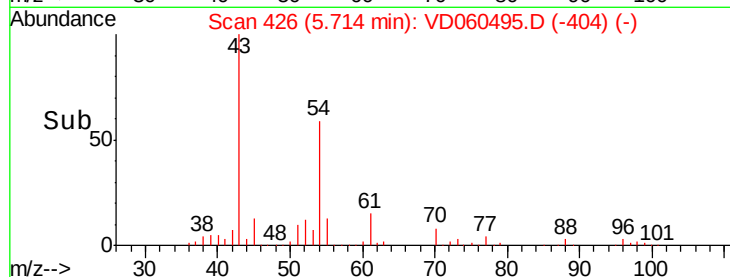
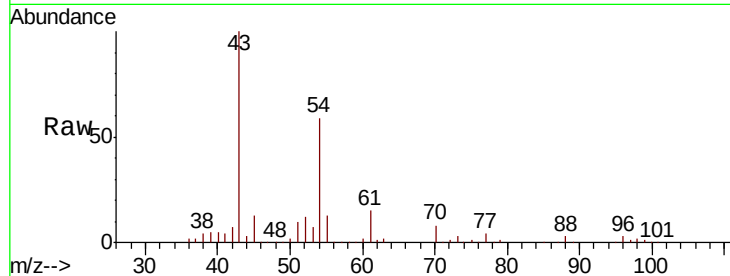
70 8.1 5.4 8.0#

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#38

Carbon Tetrachloride

Concen: 125.997 ug/l

RT: 6.51 min Scan# 507

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

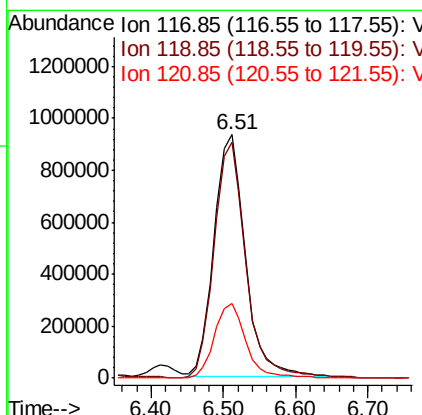
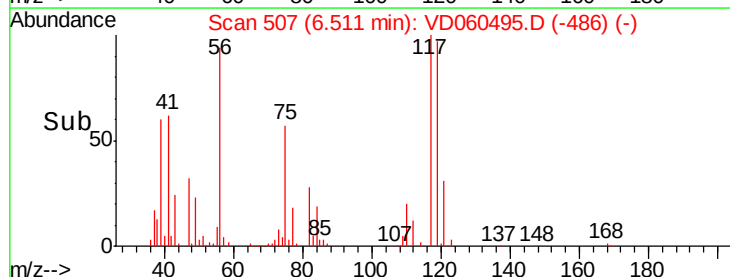
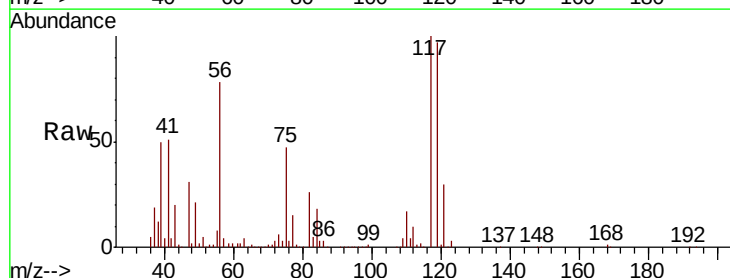
Tgt Ion: 117 Resp: 2785109

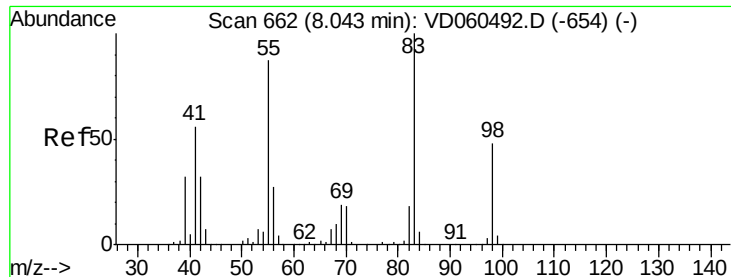
Ion Ratio Lower Upper

117 100

119 96.7 76.8 115.2

121 30.4 24.4 36.6





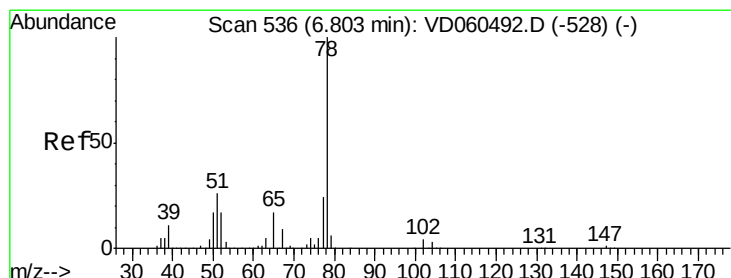
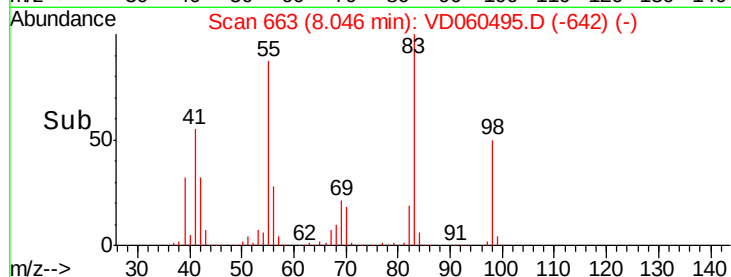
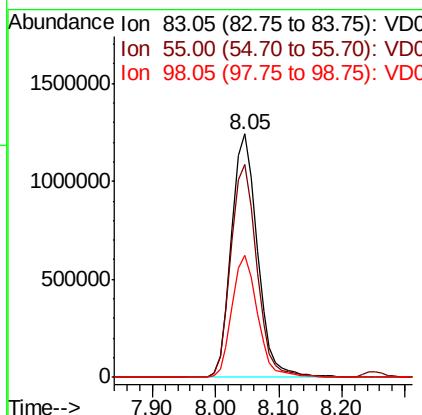
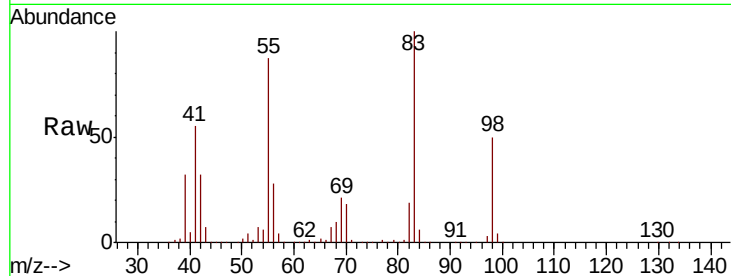
#39
Methylcyclohexane
Concen: 128.890 ug/l
RT: 8.05 min Scan# 663
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 83 Resp: 3542088
Ion Ratio Lower Upper
83 100
55 87.4 69.8 104.8
98 49.9 38.4 57.6

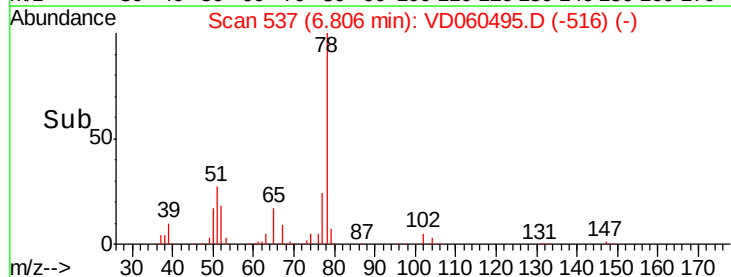
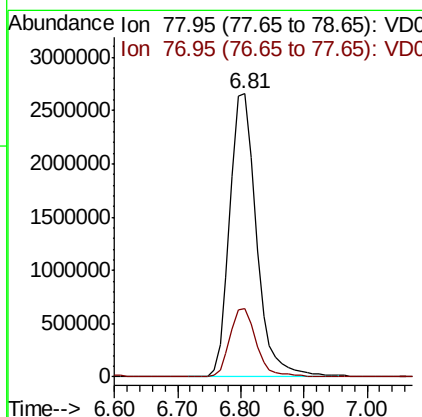
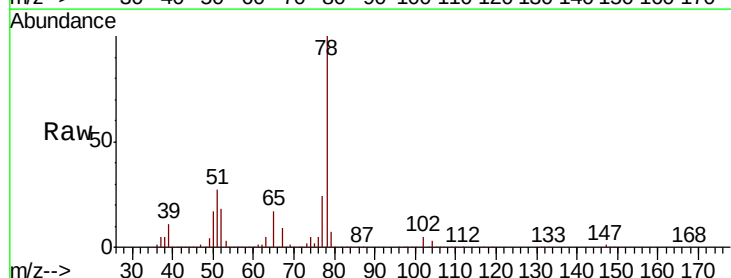
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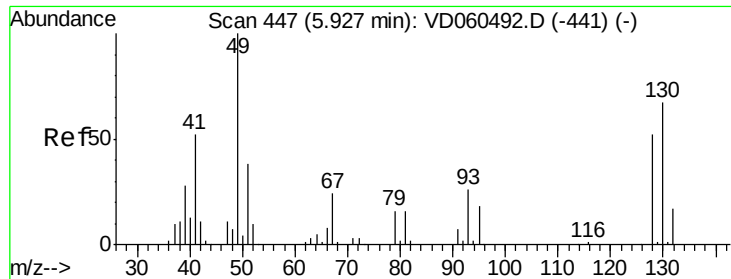
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#40
Benzene
Concen: 128.510 ug/l
RT: 6.81 min Scan# 537
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion: 78 Resp: 7835681
Ion Ratio Lower Upper
78 100
77 24.1 18.9 28.3





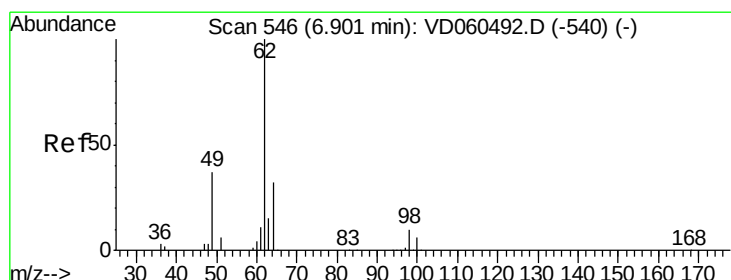
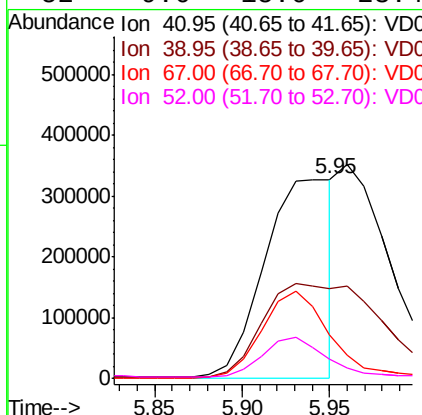
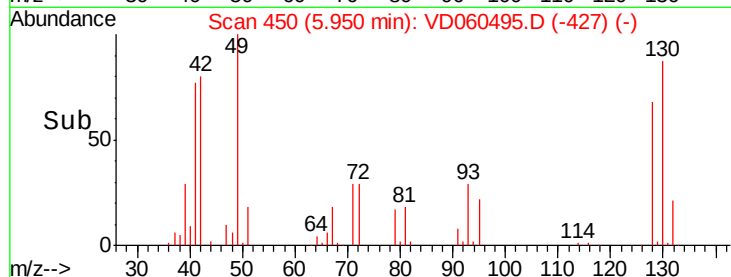
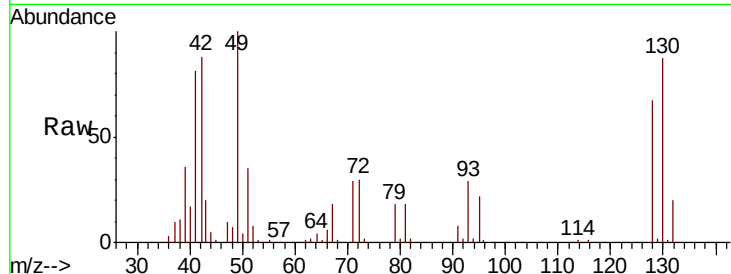
#41
Methacrylonitrile
Concen: 79.502 ug/l m
RT: 5.95 min Scan# 450
Delta R.T. 0.02 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
41	100		
39	45.0	42.6	63.8
67	21.8	36.2	54.4#
52	9.6	15.6	23.4#

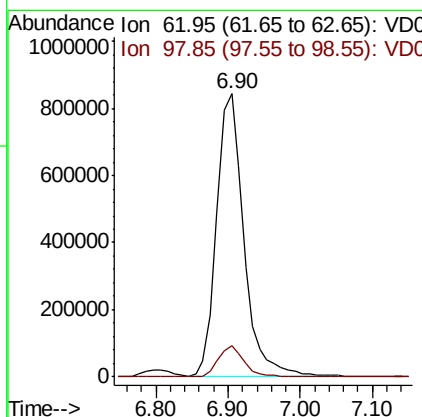
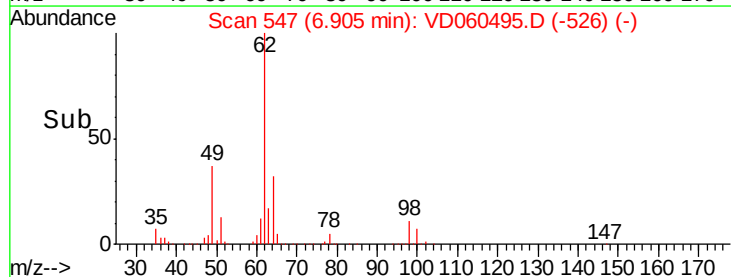
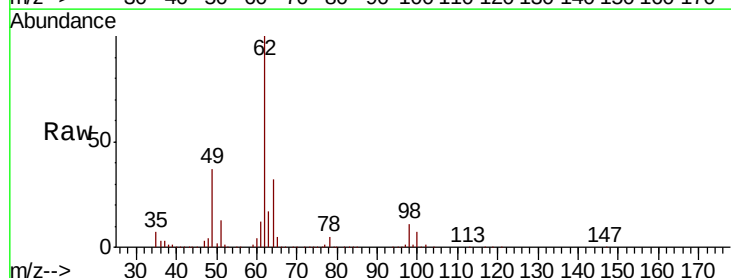
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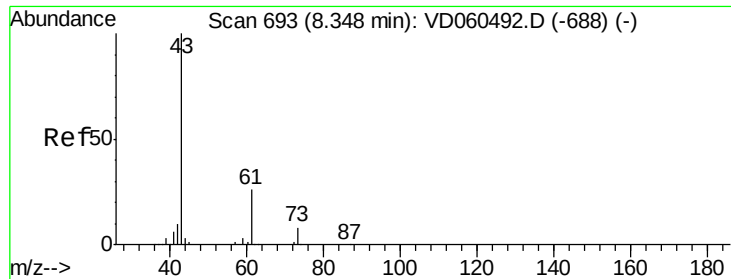
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#42
1,2-Dichloroethane
Concen: 137.601 ug/l
RT: 6.90 min Scan# 547
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	20.2





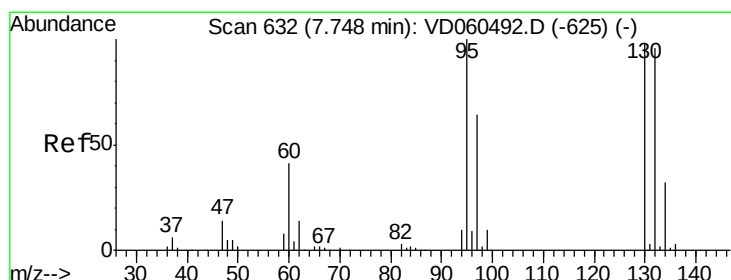
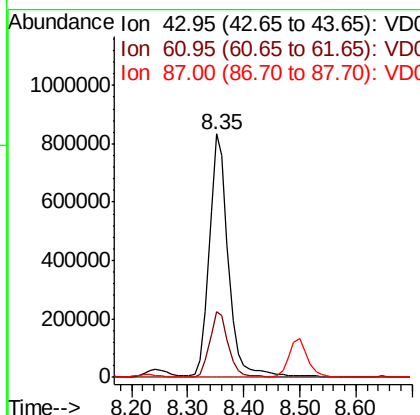
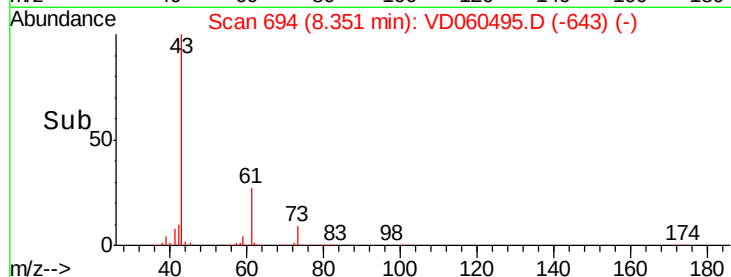
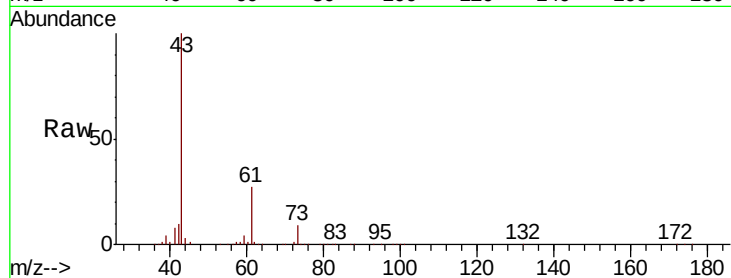
#43
Isopropyl Acetate
Concen: 144.408 ug/l
RT: 8.35 min Scan# 694
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 1973842
Ion Ratio Lower Upper
43 100
61 27.2 21.0 31.4
87 0.3 0.2 0.2#

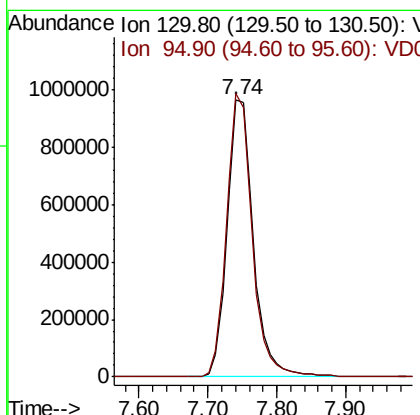
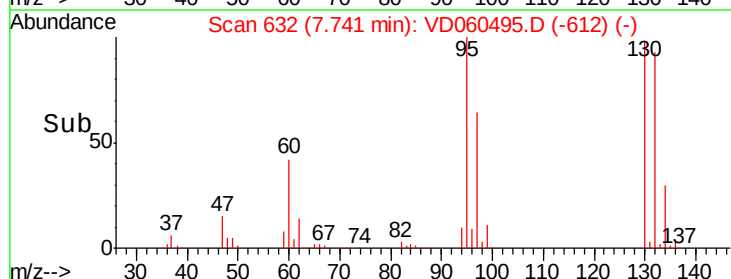
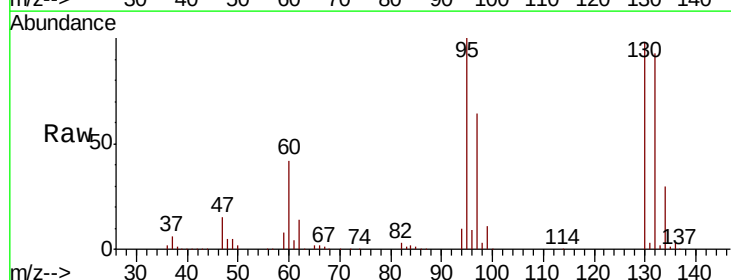
Manual Integrations
APPROVED

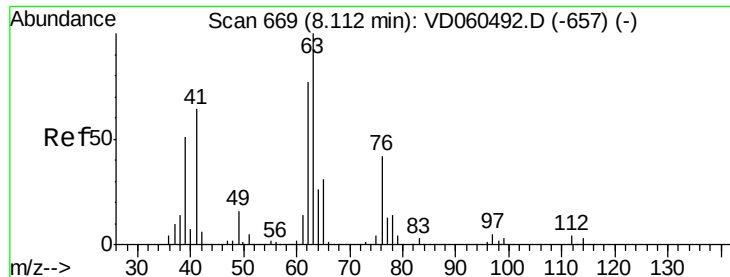
apatel
12/6/2018 10:53:56 AM



#44
Trichloroethene
Concen: 137.294 ug/l
RT: 7.74 min Scan# 632
Delta R.T. -0.01 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion:130 Resp: 2539606
Ion Ratio Lower Upper
130 100
95 102.1 0.0 203.8





#45

1,2-Dichloropropane

Concen: 137.362 ug/l

RT: 8.11 min Scan# 669

Delta R.T. -0.01 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 63 Resp: 2107236

Ion Ratio Lower Upper

63 100

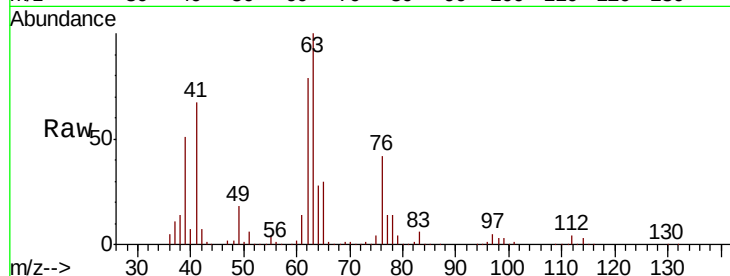
65 30.5 24.6 37.0

Manual Integrations

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.11

800000

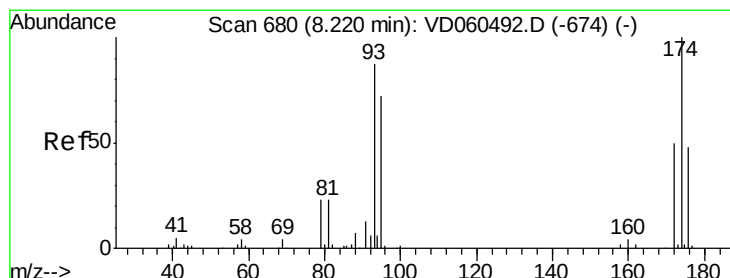
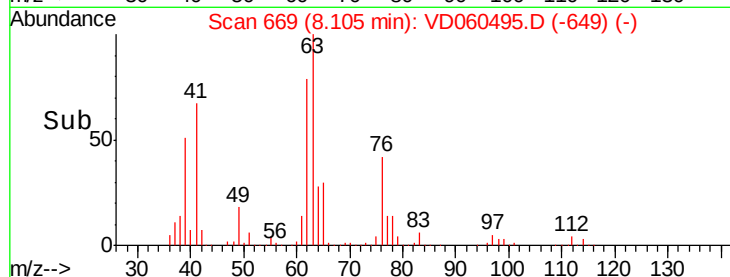
600000

400000

200000

0

Time-->



#46

Dibromomethane

Concen: 136.282 ug/l

RT: 8.22 min Scan# 681

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

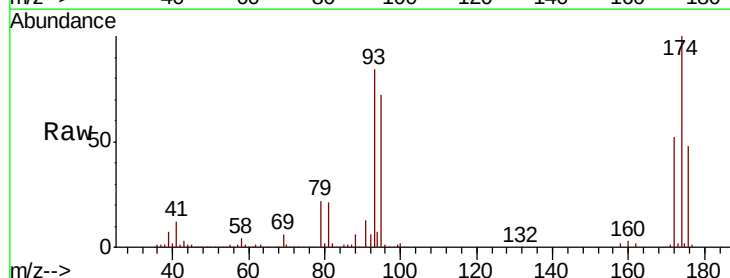
Tgt Ion: 93 Resp: 1226793

Ion Ratio Lower Upper

93 100

95 85.3 65.6 98.4

174 119.3 91.7 137.5



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

8.22

800000

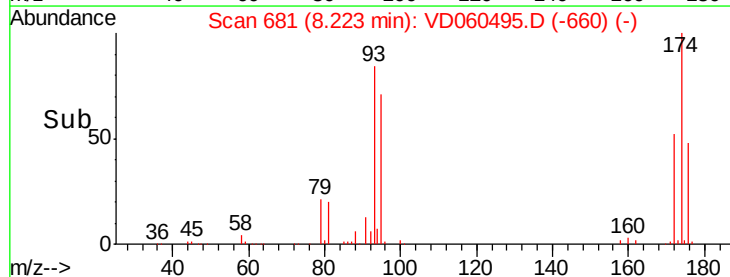
600000

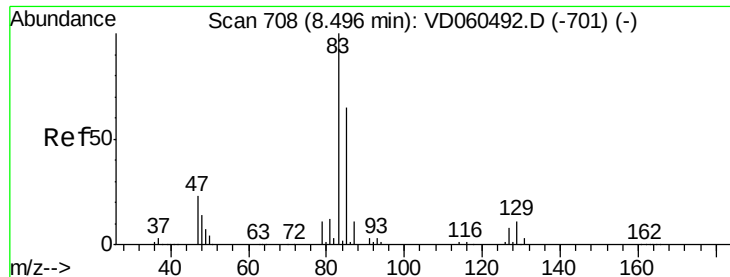
400000

200000

0

Time-->





#47

Bromodichloromethane

Concen: 138.089 ug/l

RT: 8.50 min Scan# 709

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 2917076

Ion Ratio Lower Upper

83 100

85 66.0 52.2 78.4

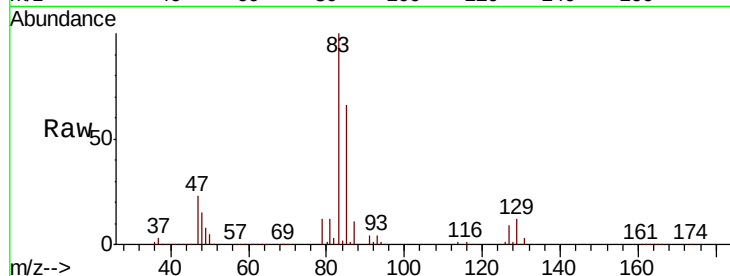
127 9.1 6.7 10.1

Manual Integrations

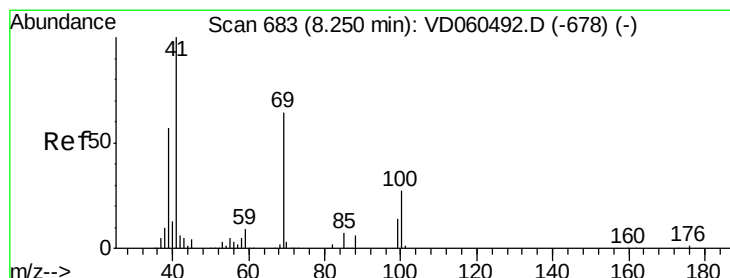
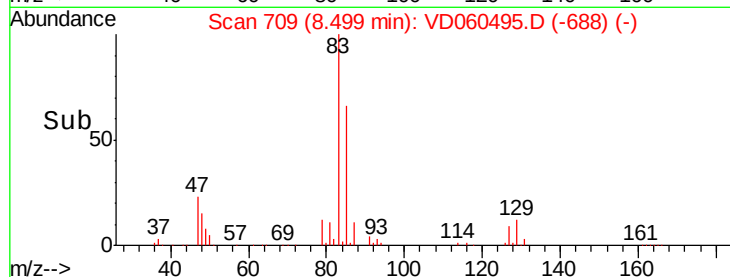
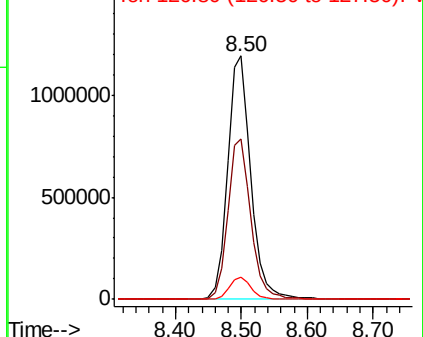
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Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 132.885 ug/l

RT: 8.25 min Scan# 684

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

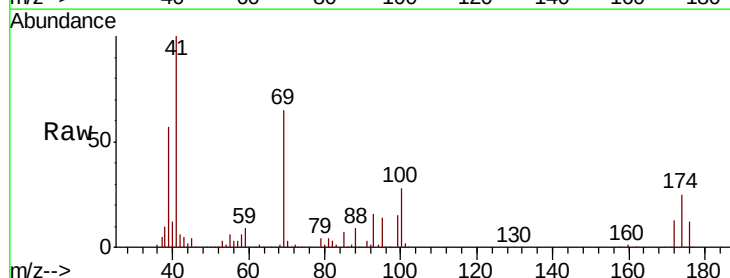
Tgt Ion: 41 Resp: 1107832

Ion Ratio Lower Upper

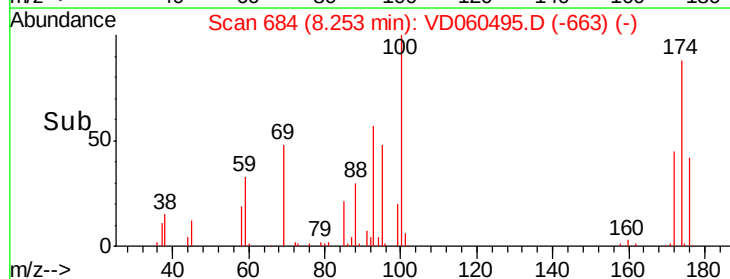
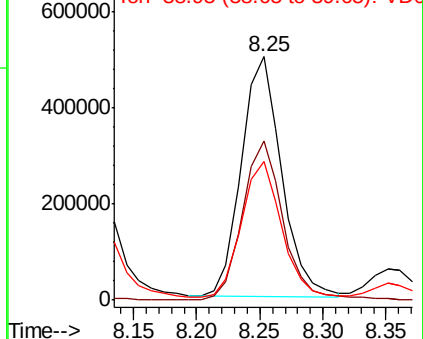
41 100

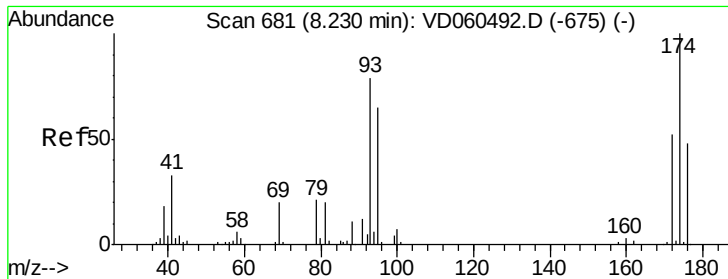
69 65.1 50.2 75.4

39 57.0 46.1 69.1



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





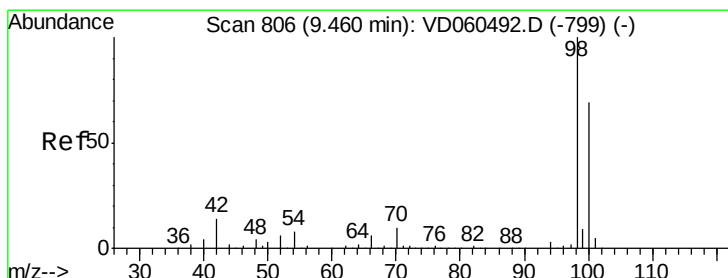
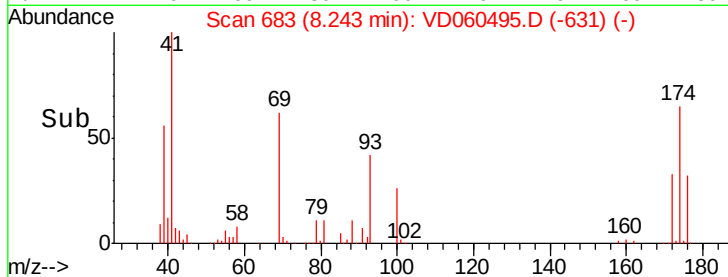
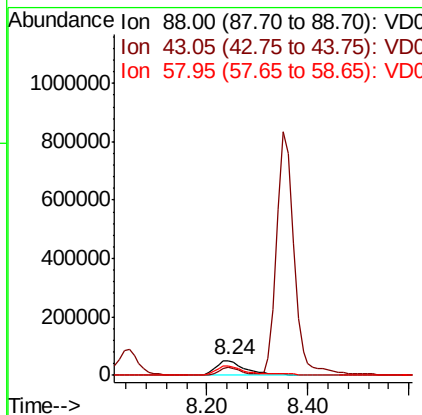
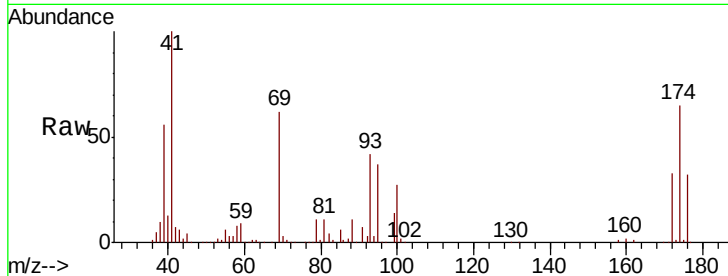
#49
 1,4-Dioxane
 Concen: 2934.535 ug/l
 RT: 8.24 min Scan# 683
 Delta R.T. 0.01 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion: 88 Resp: 213702
 Ion Ratio Lower Upper
 88 100
 43 50.8 32.9 49.3#
 58 66.5 47.7 71.5

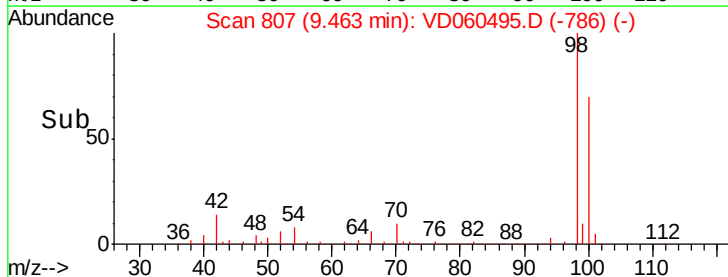
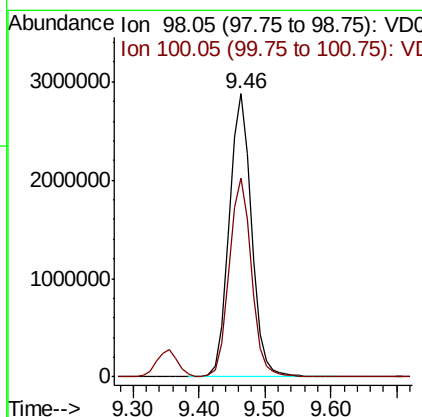
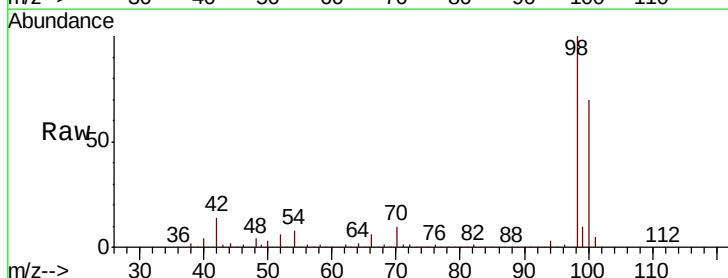
Manual Integrations
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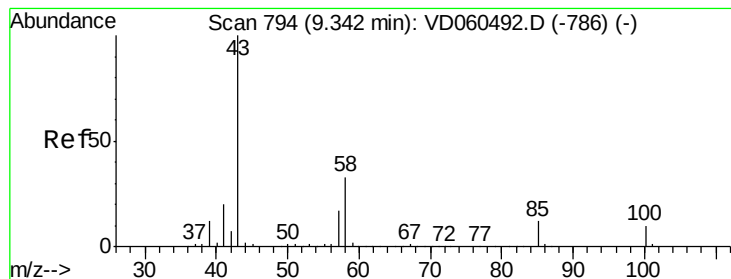
apatel
 12/6/2018 10:53:56 AM



#50
 Toluene-d8
 Concen: 2934.535 ug/l
 RT: 9.46 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

Tgt Ion: 98 Resp: 6879980
 Ion Ratio Lower Upper
 98 100
 100 70.3 55.7 83.5





#51

4-Methyl-2-Pentanone

Concen: 639.955 ug/l

RT: 9.35 min Scan# 795

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 5700541

Ion Ratio Lower Upper

43 100

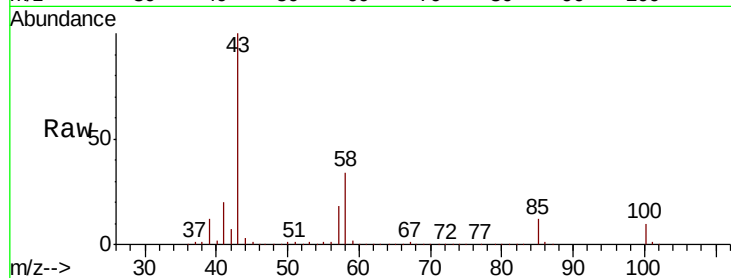
58 33.9 26.3 39.5

Manual Integrations

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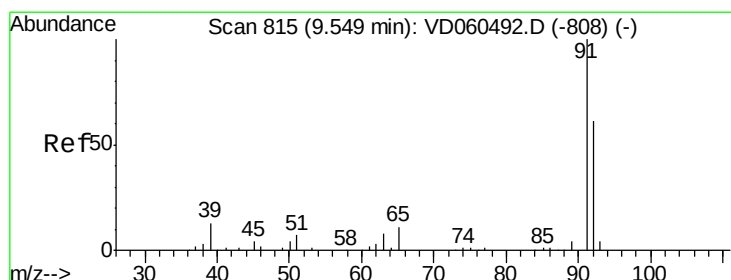
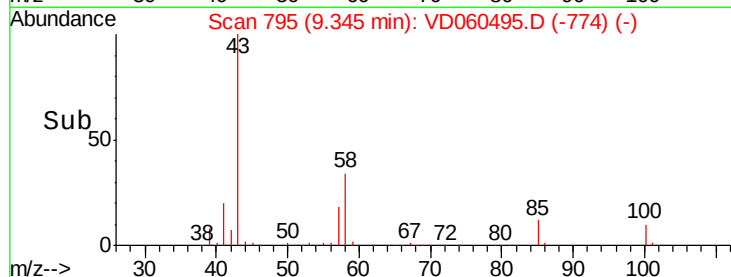
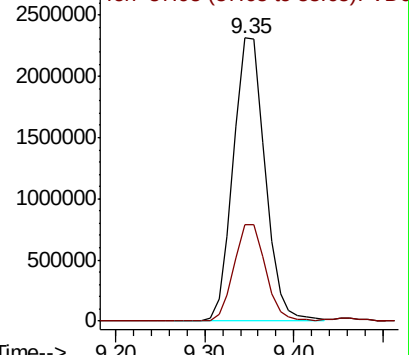
apatel

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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: 128.129 ug/l

RT: 9.55 min Scan# 816

Delta R.T. 0.00 min

Lab File: VD060495.D

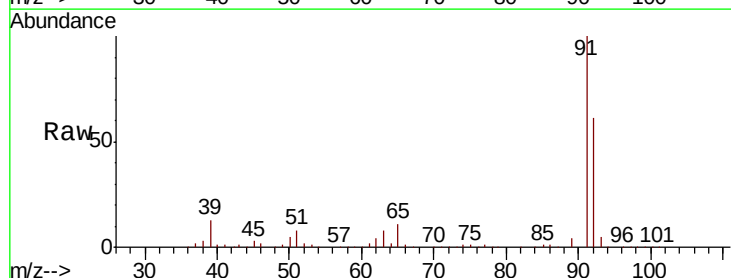
Acq: 5 Dec 2018 16:30

Tgt Ion: 92 Resp: 4984938

Ion Ratio Lower Upper

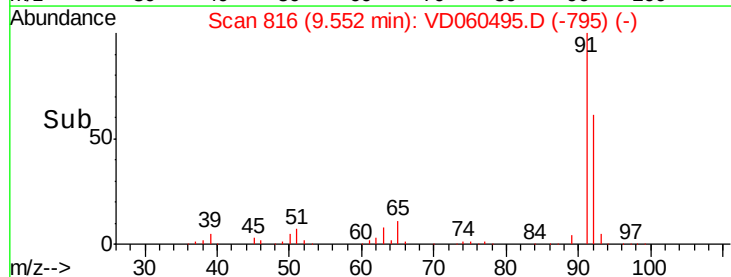
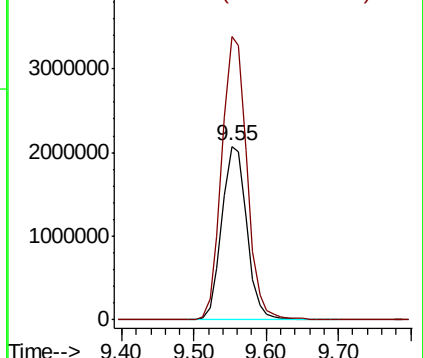
92 100

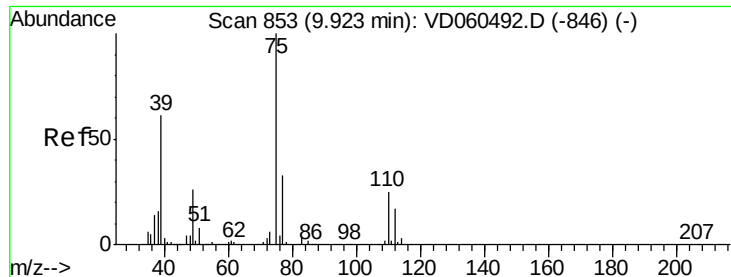
91 163.0 131.7 197.5



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: 139.676 ug/l

RT: 9.93 min Scan# 854

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 75 Resp: 2481763

Ion Ratio Lower Upper

75 100

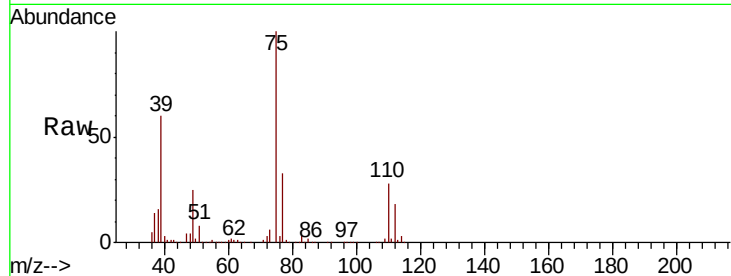
77 32.5 26.2 39.2

Manual Integrations

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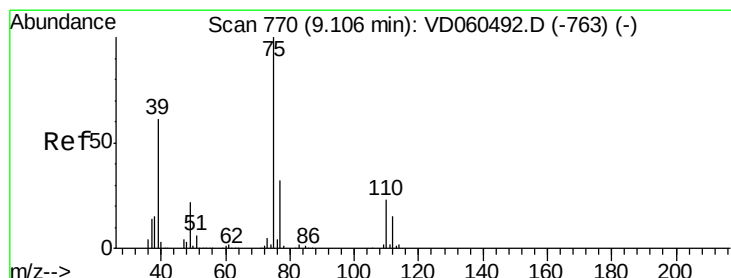
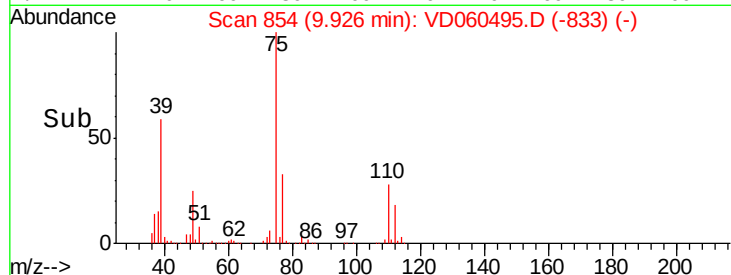
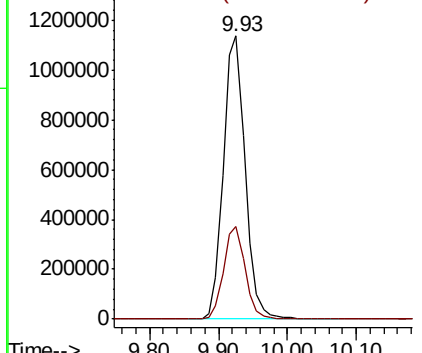
apatel

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 137.846 ug/l

RT: 9.11 min Scan# 771

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

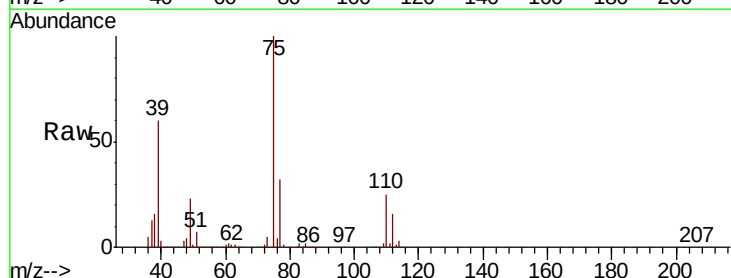
Tgt Ion: 75 Resp: 3167455

Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4

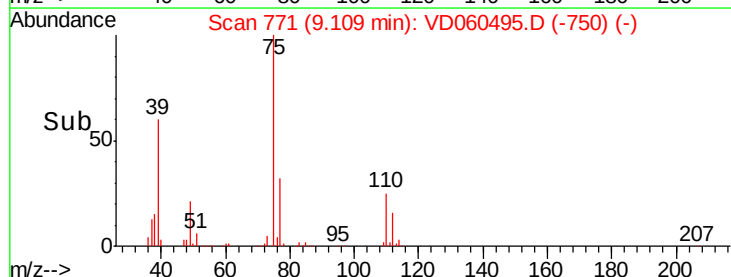
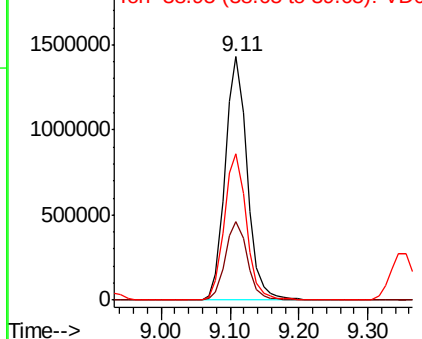
39 60.2 48.6 73.0

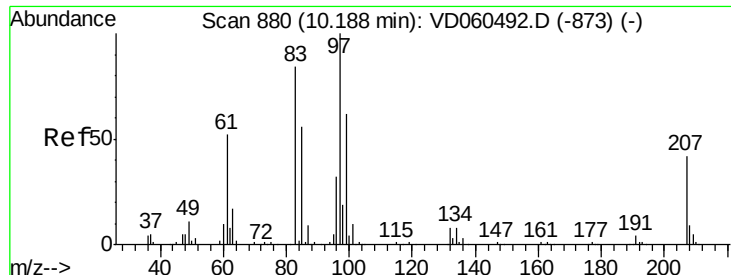


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





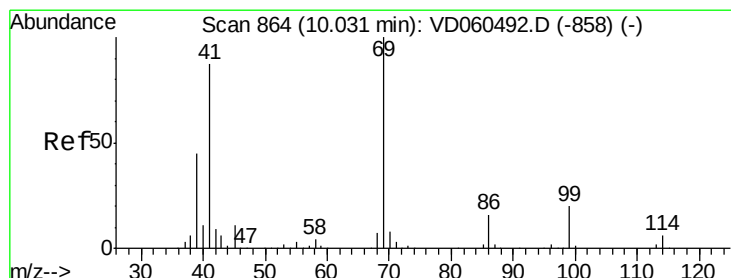
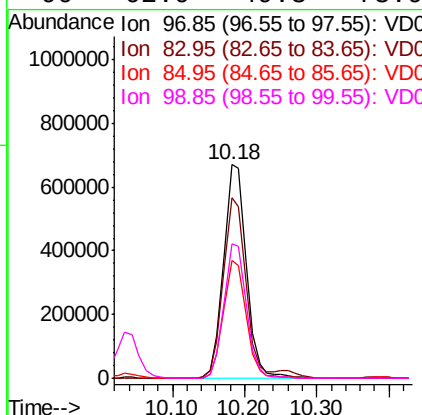
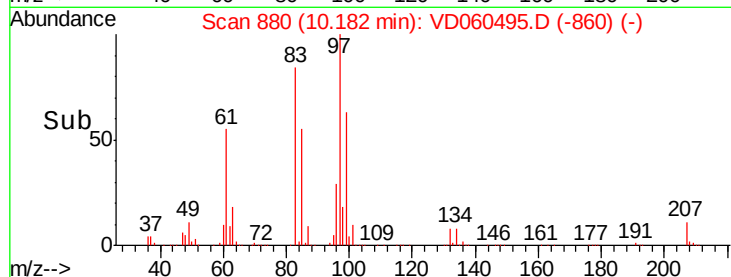
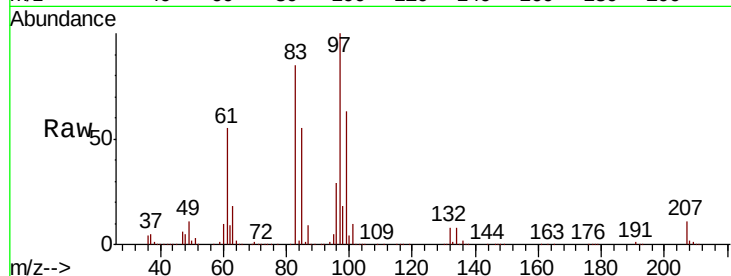
#55
 1,1,2-Trichloroethane
 Concen: 130.413 ug/l
 RT: 10.18 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion: 97 Resp: 1469223
 Ion Ratio Lower Upper
 97 100
 83 84.5 67.2 100.8
 85 55.0 44.5 66.7
 99 62.9 49.3 73.9

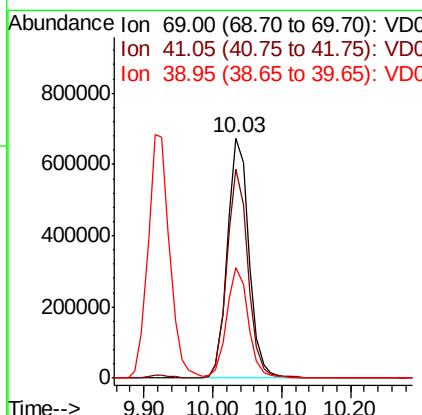
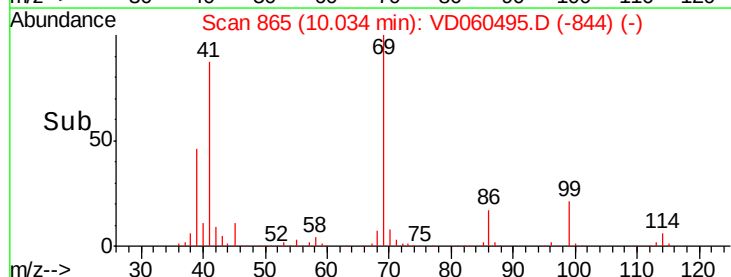
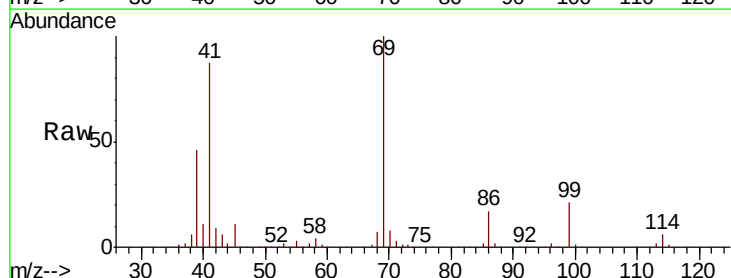
Manual Integrations
 APPROVED

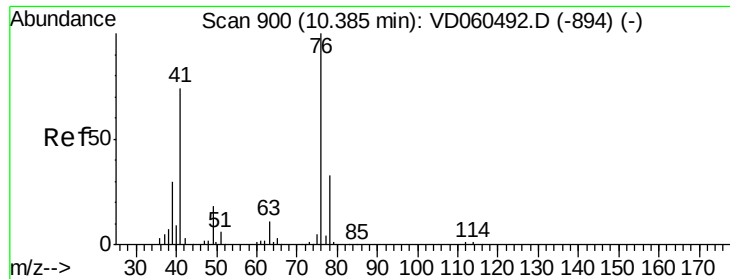
apatel
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#56
 Ethyl methacrylate
 Concen: 141.595 ug/l
 RT: 10.03 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

Tgt Ion: 69 Resp: 1456653
 Ion Ratio Lower Upper
 69 100
 41 87.1 69.8 104.8
 39 46.1 37.5 56.3





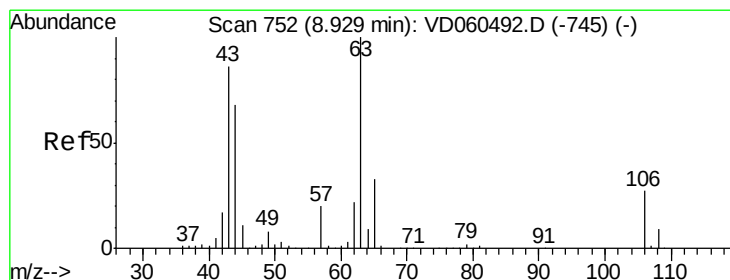
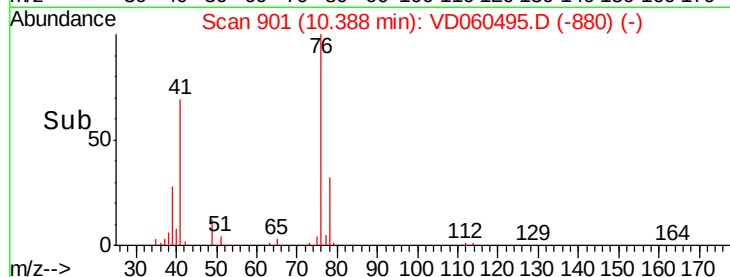
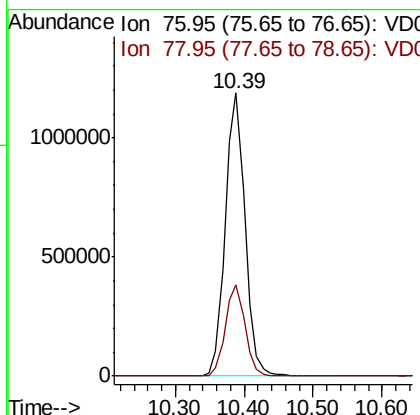
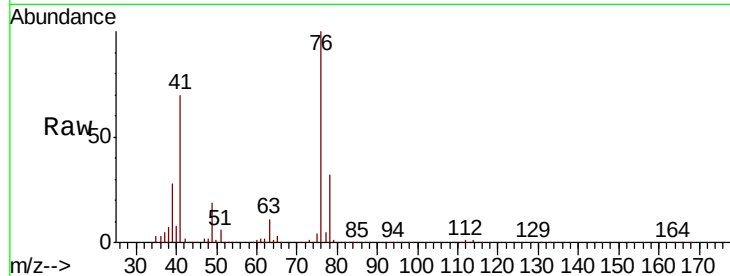
#57
 1,3-Dichloropropane
 Concen: 137.052 ug/l
 RT: 10.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion: 76 Resp: 2343752
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.1 39.1

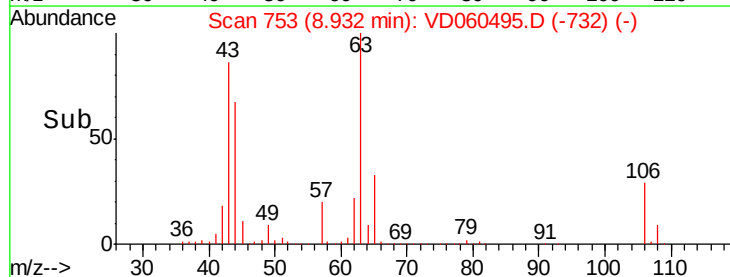
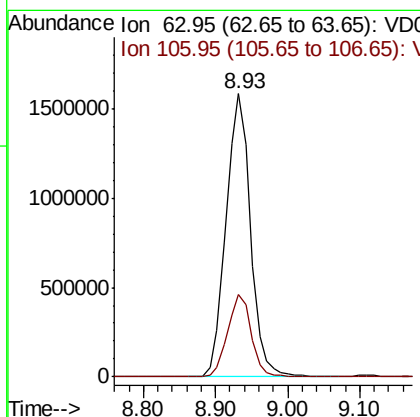
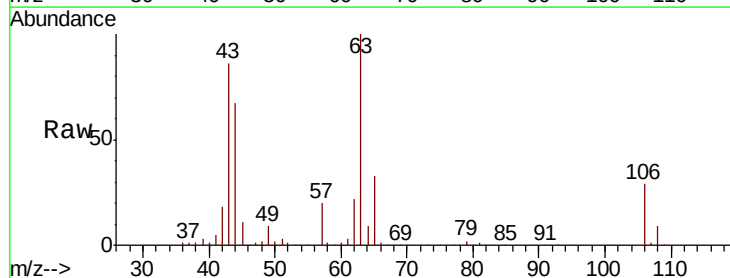
Manual Integrations
 APPROVED

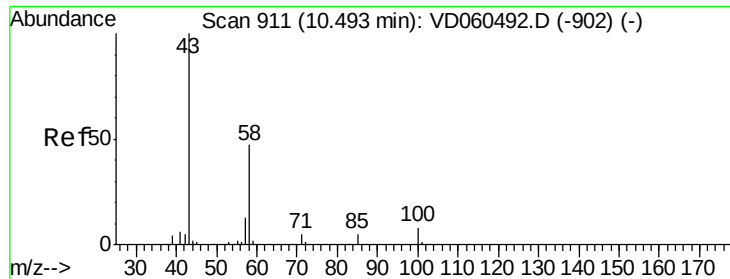
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 603.673 ug/l
 RT: 8.93 min Scan# 753
 Delta R.T. 0.00 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

Tgt Ion: 63 Resp: 3736664
 Ion Ratio Lower Upper
 63 100
 106 29.2 21.6 32.4





#59

2-Hexanone

Concen: 648.278 ug/l

RT: 10.50 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 4092803

Ion Ratio Lower Upper

43 100

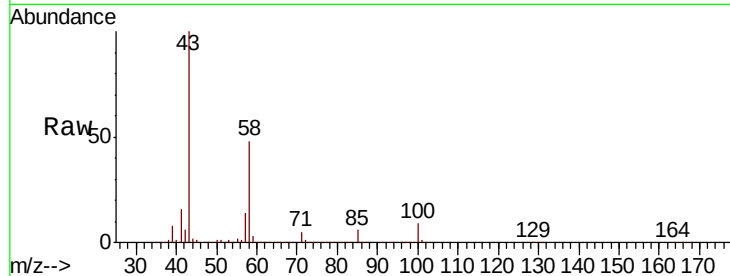
58 48.0 23.4 70.2

Manual Integrations

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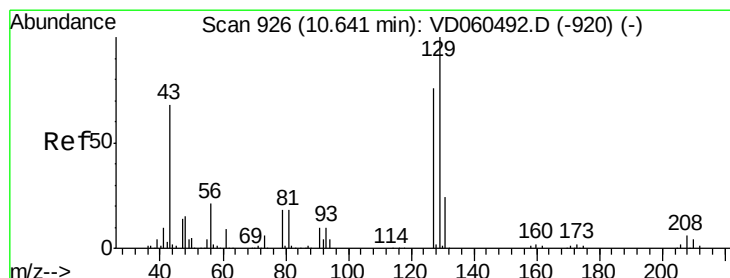
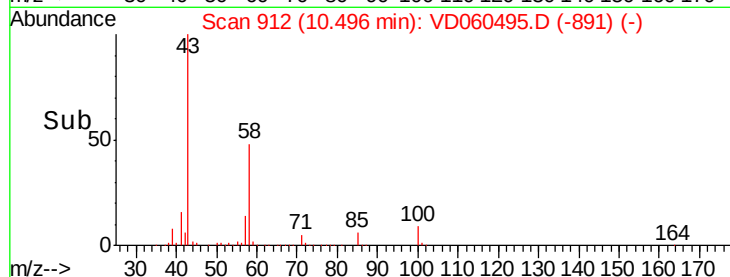
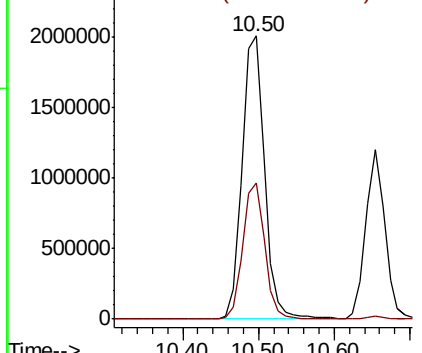
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 143.211 ug/l

RT: 10.64 min Scan# 927

Delta R.T. 0.00 min

Lab File: VD060495.D

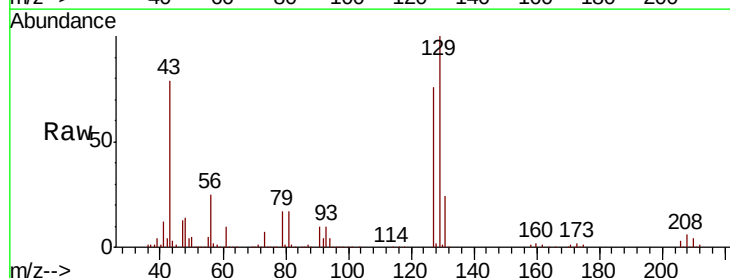
Acq: 5 Dec 2018 16:30

Tgt Ion: 129 Resp: 1957946

Ion Ratio Lower Upper

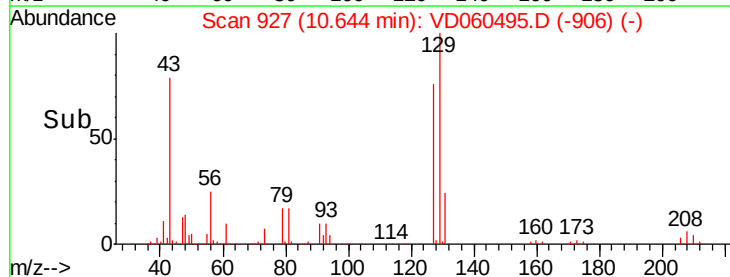
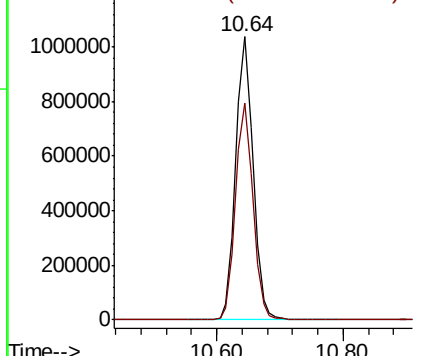
129 100

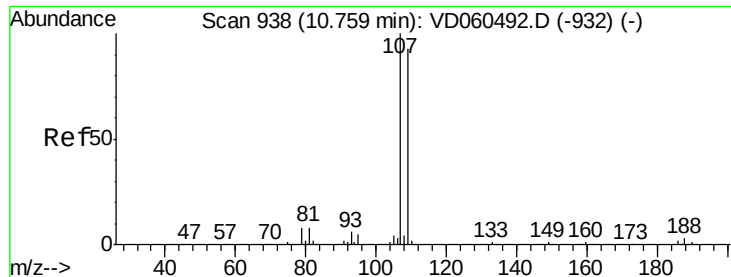
127 76.4 38.1 114.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 143.245 ug/l

RT: 10.76 min Scan# 939

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 107 Resp: 1614446

Ion Ratio Lower Upper

107 100

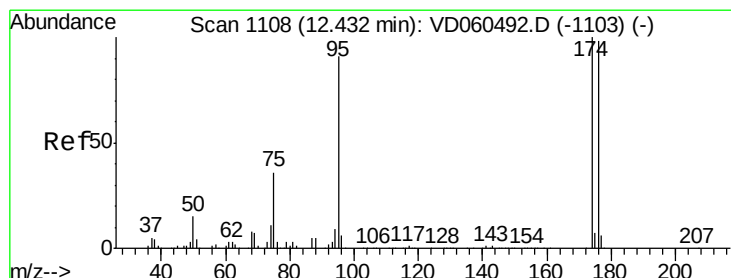
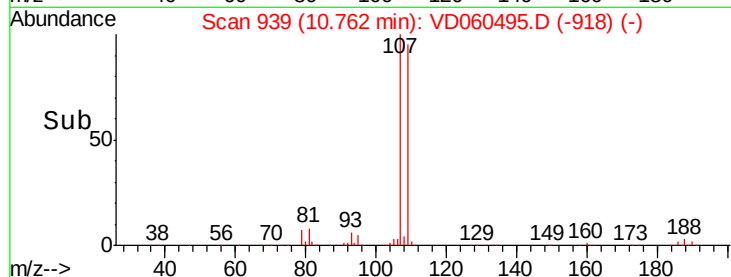
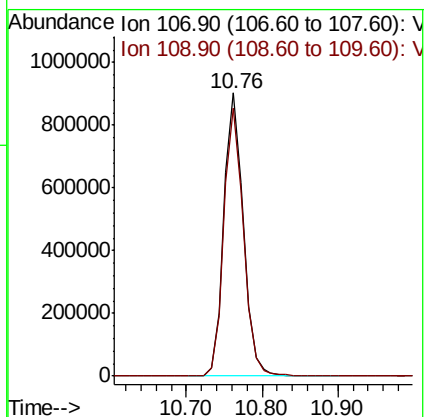
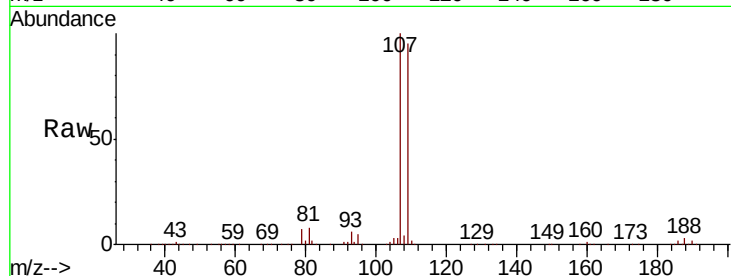
109 94.6 74.7 112.1

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#62

4-Bromofluorobenzene

Concen: 143.245 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

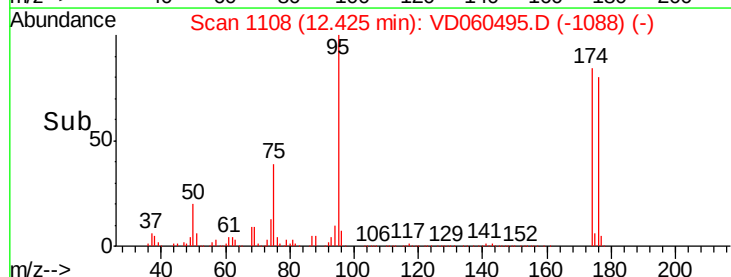
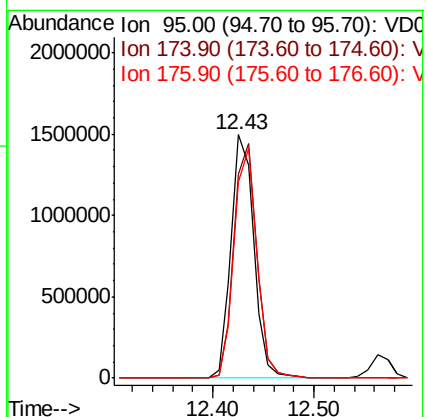
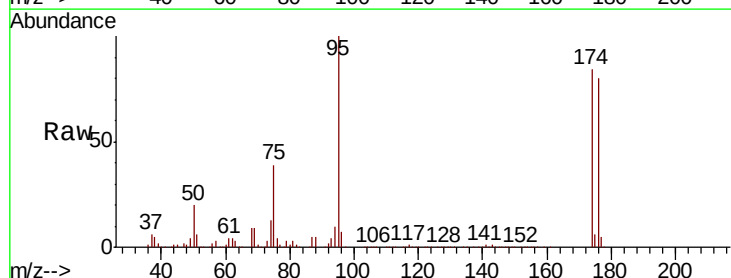
Tgt Ion: 95 Resp: 2350613

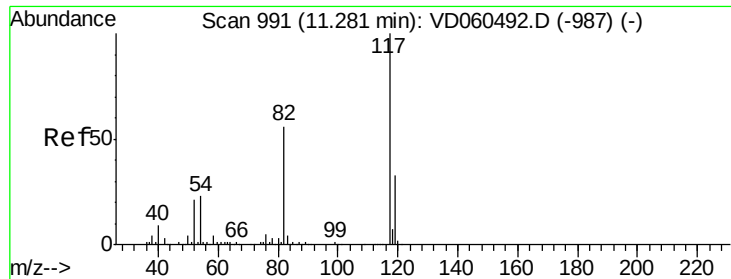
Ion Ratio Lower Upper

95 100

174 83.6 0.0 219.4

176 80.4 0.0 214.6





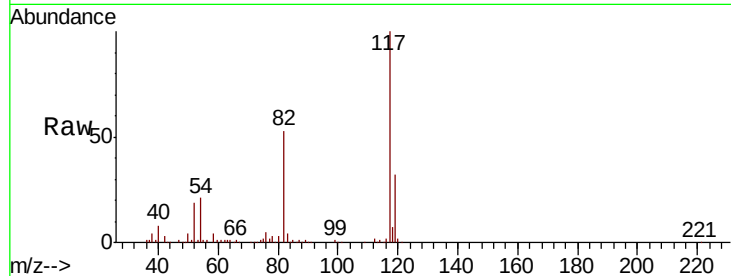
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

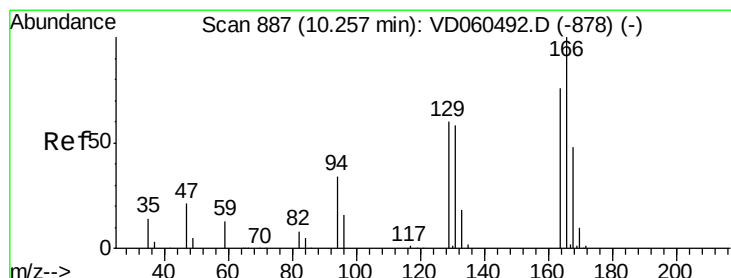
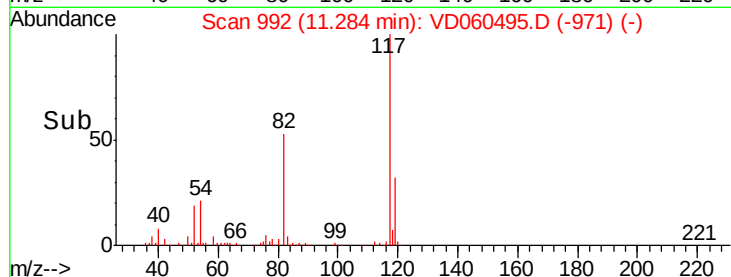
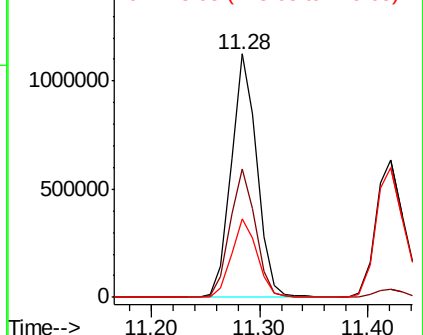
Tgt Ion:117 Resp: 1847807
Ion Ratio Lower Upper
117 100
82 52.8 45.2 67.8
119 32.1 26.1 39.1

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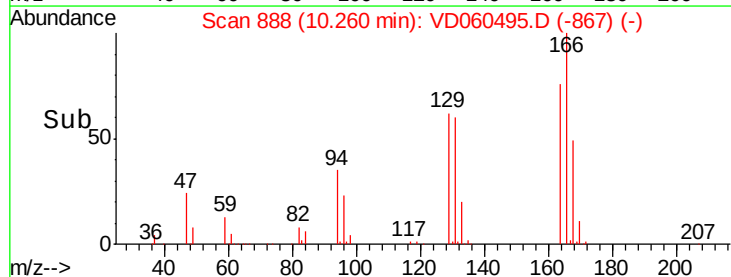
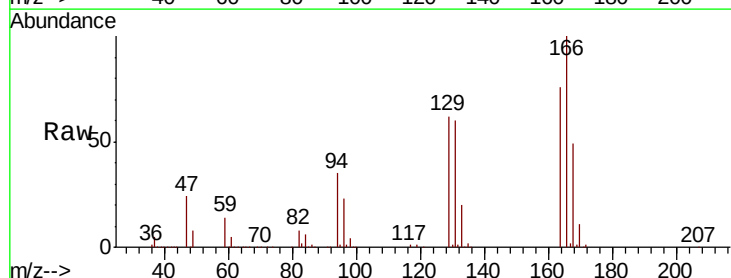
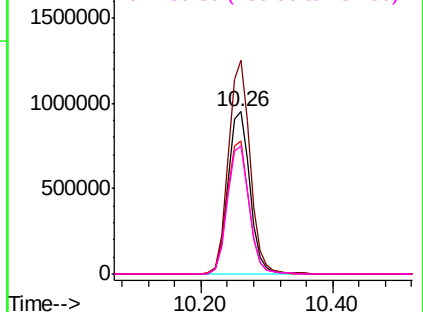
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

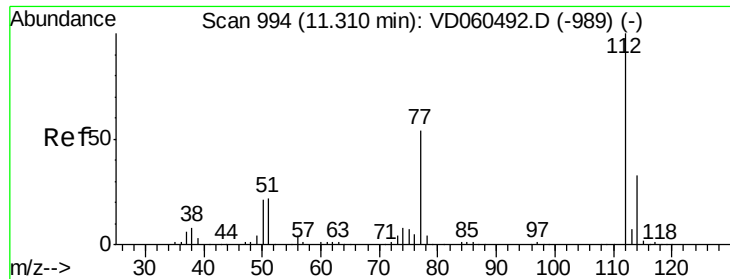


#64
Tetrachloroethene
Concen: 134.861 ug/l
RT: 10.26 min Scan# 888
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion:164 Resp: 2230887
Ion Ratio Lower Upper
164 100
166 131.9 105.0 157.6
129 82.3 63.0 94.4
131 79.3 60.6 90.8

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





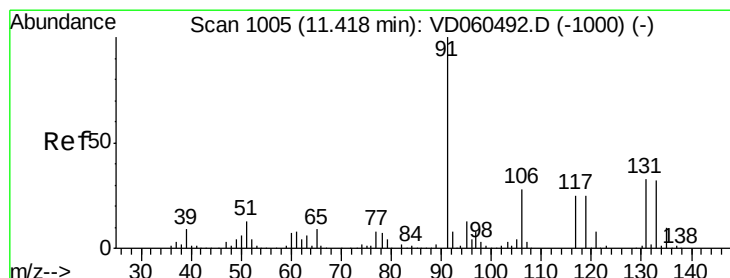
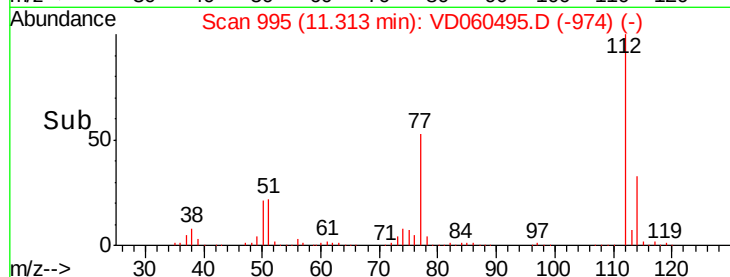
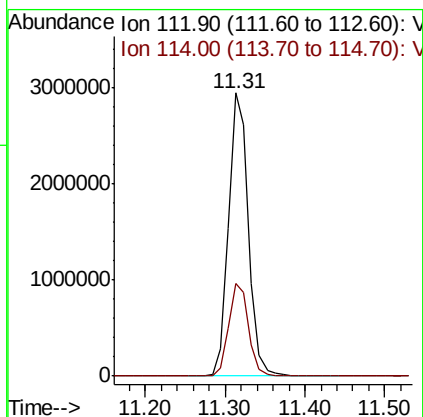
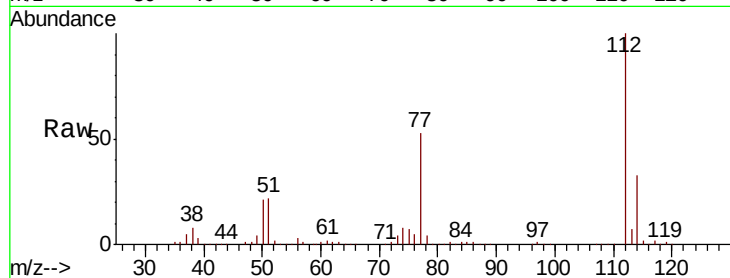
#65
Chlorobenzene
Concen: 129.225 ug/l
RT: 11.31 min Scan# 995
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:112 Resp: 5158508
Ion Ratio Lower Upper
112 100
114 32.8 26.2 39.4

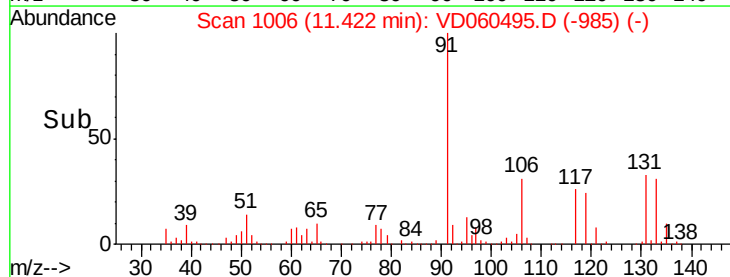
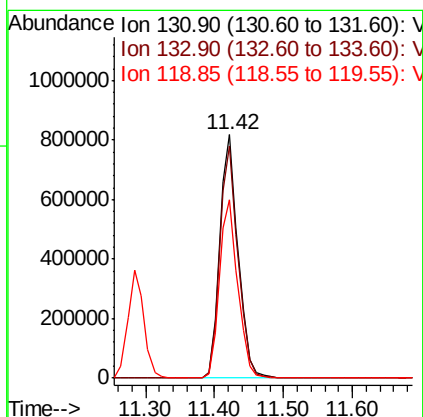
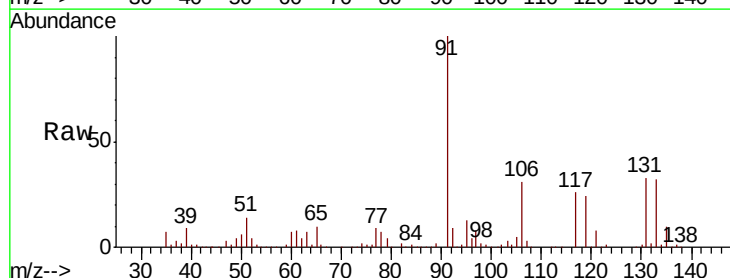
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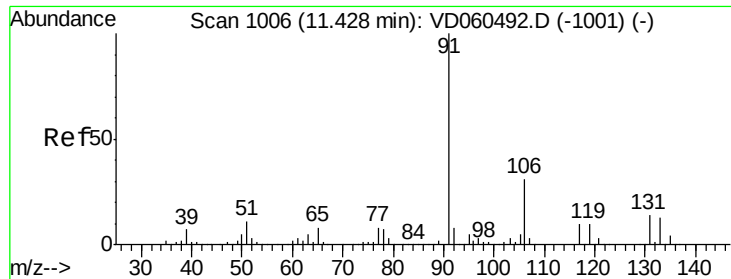
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#66
1,1,1,2-Tetrachloroethane
Concen: 114.829 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion:131 Resp: 1499024
Ion Ratio Lower Upper
131 100
133 95.2 49.1 147.3
119 73.2 37.5 112.3





#67

Ethyl Benzene

Concen: 103.031 ug/l

RT: 11.43 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 7061420

Ion Ratio Lower Upper

91 100

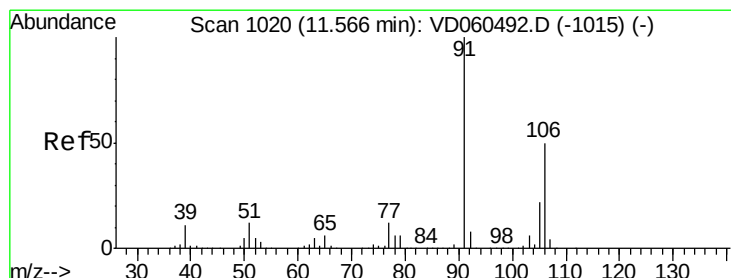
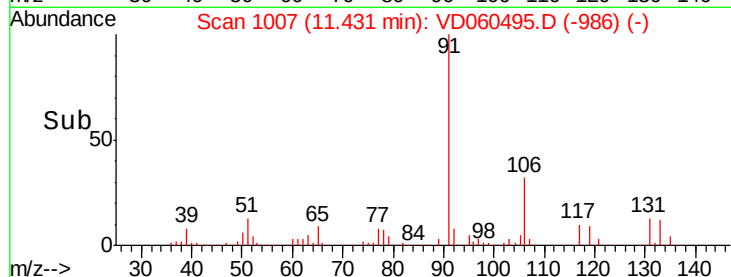
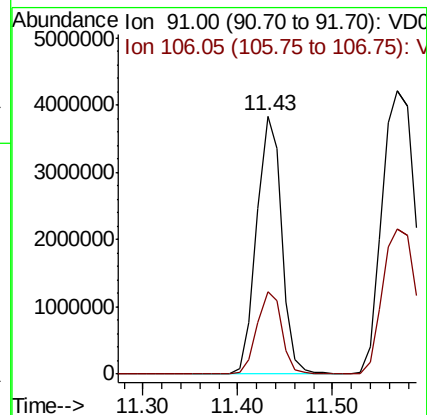
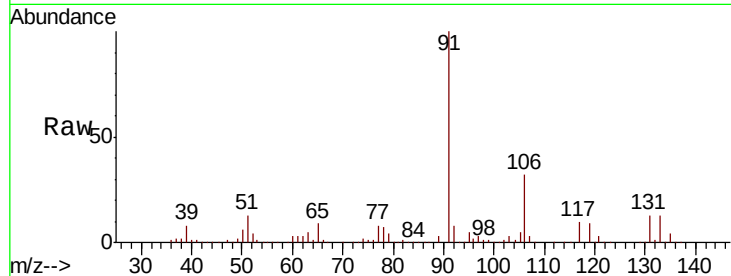
106 32.1 24.6 37.0

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#68

m/p-Xylenes

Concen: 205.821 ug/l

RT: 11.57 min Scan# 1021

Delta R.T. 0.00 min

Lab File: VD060495.D

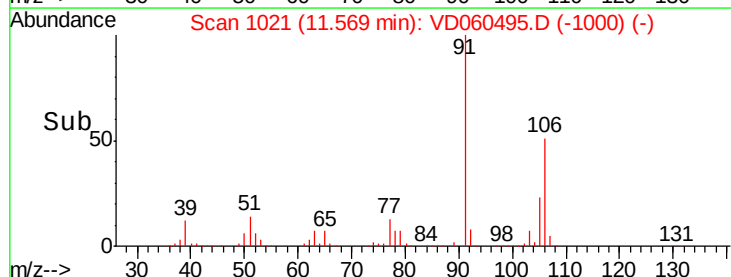
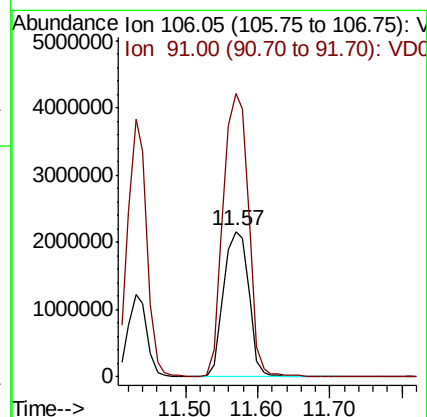
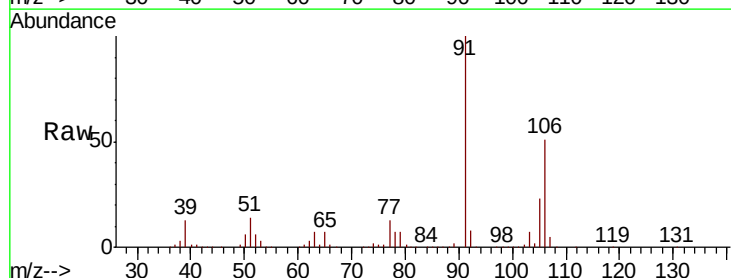
Acq: 5 Dec 2018 16:30

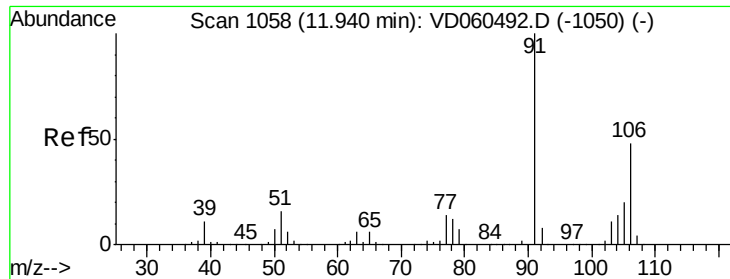
Tgt Ion: 106 Resp: 5190544

Ion Ratio Lower Upper

106 100

91 194.8 160.5 240.7





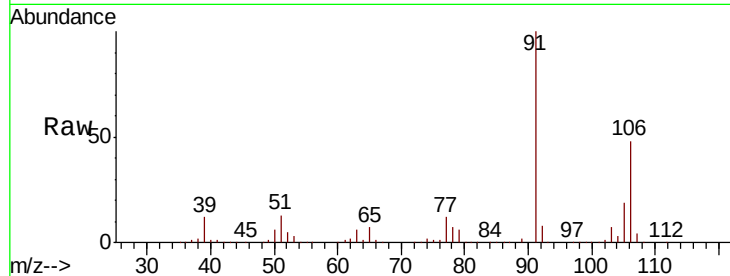
#69
o-Xylene
Concen: 116.205 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

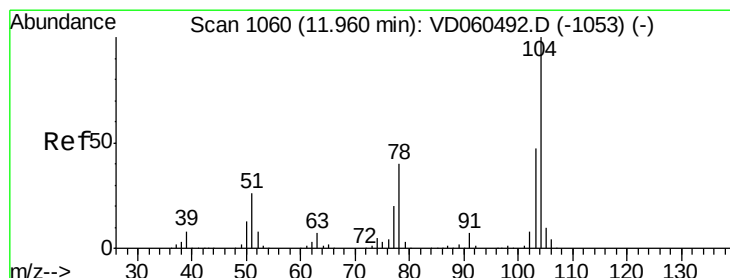
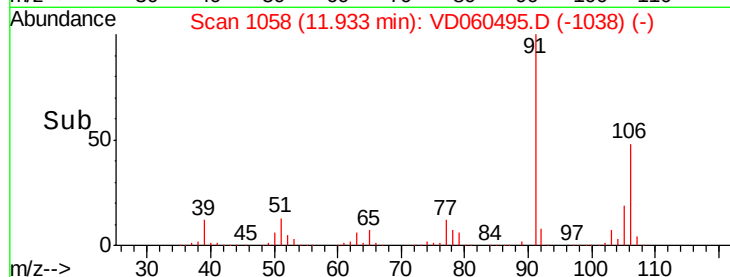
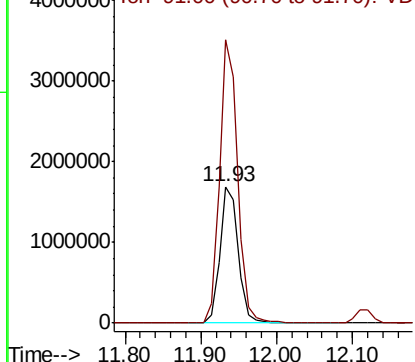
Tgt Ion:106 Resp: 2828361
Ion Ratio Lower Upper
106 100
91 207.5 103.4 310.1

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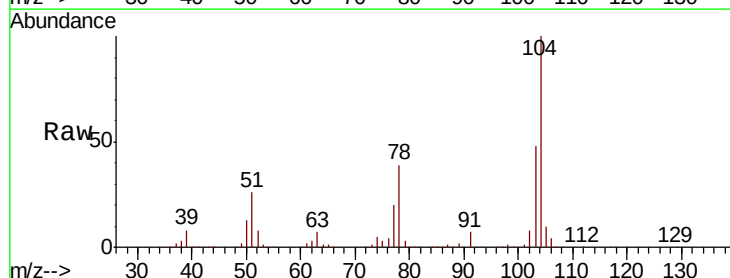


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

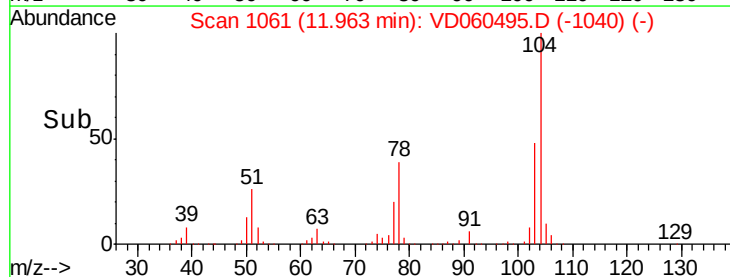
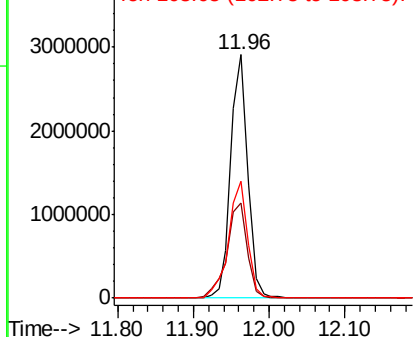


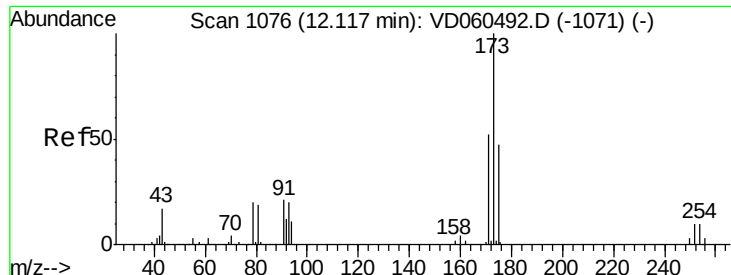
#70
Styrene
Concen: 114.033 ug/l
RT: 11.96 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion:104 Resp: 4508652
Ion Ratio Lower Upper
104 100
78 39.3 32.1 48.1
103 47.8 37.2 55.8



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





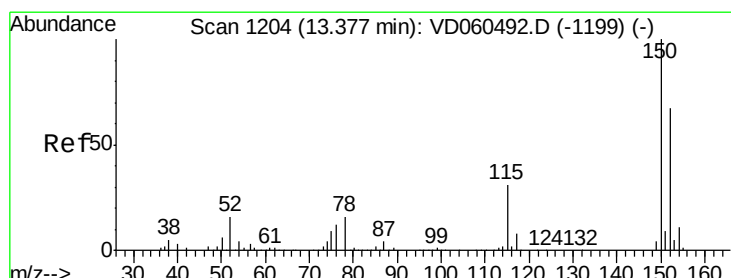
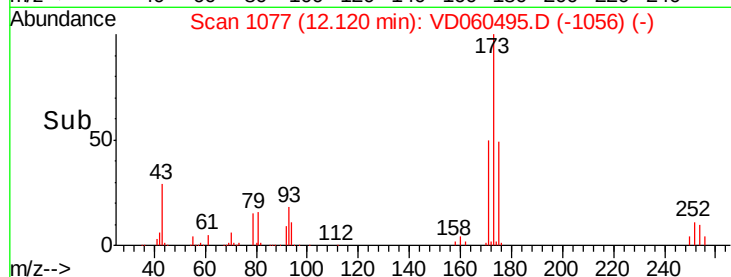
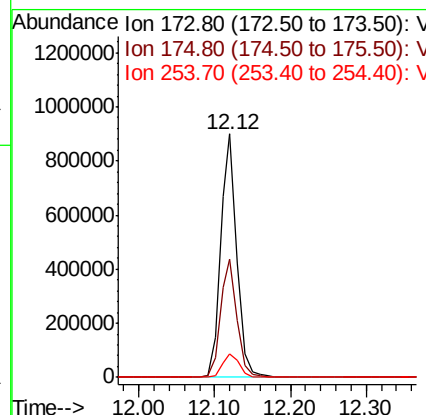
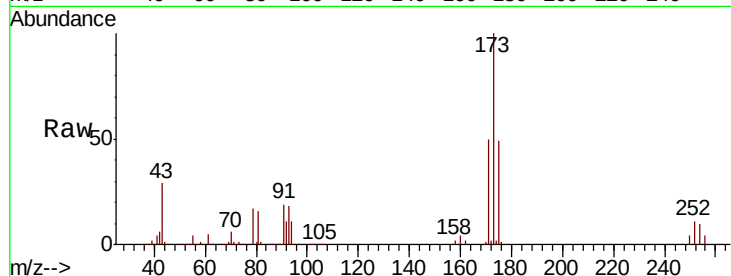
#71
Bromoform
Concen: 152.897 ug/l
RT: 12.12 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:173 Resp: 1345650
Ion Ratio Lower Upper
173 100
175 48.8 23.5 70.6
254 9.8 7.8 11.8

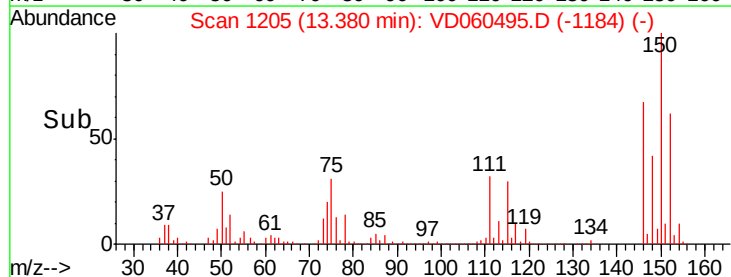
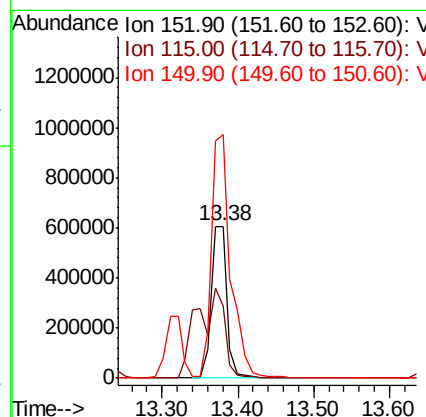
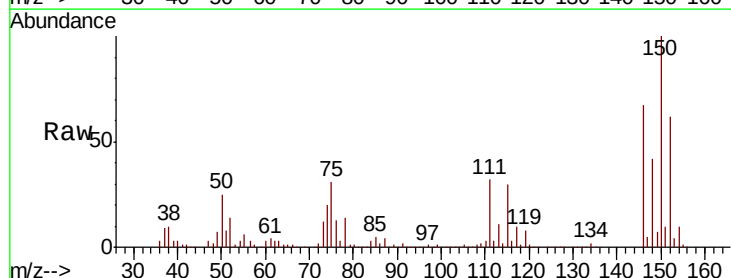
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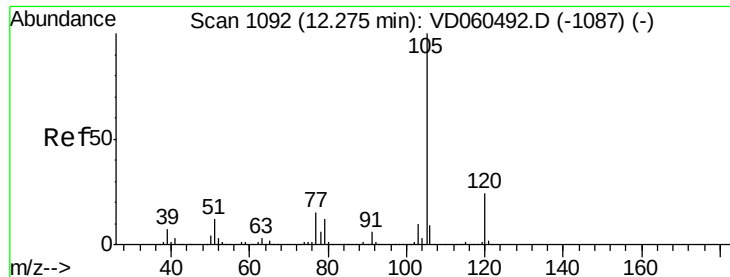
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion:152 Resp: 884564
Ion Ratio Lower Upper
152 100
115 47.8 24.6 74.0
150 160.1 0.0 309.0





#73

Isopropylbenzene

Concen: 118.317 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 105 Resp: 7651317

Ion Ratio Lower Upper

105 100

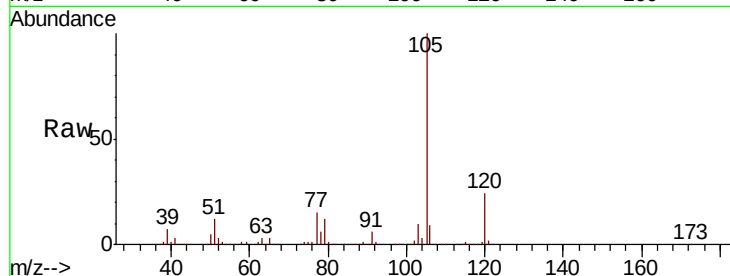
120 24.1 11.9 35.9

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

5000000

4000000

3000000

2000000

1000000

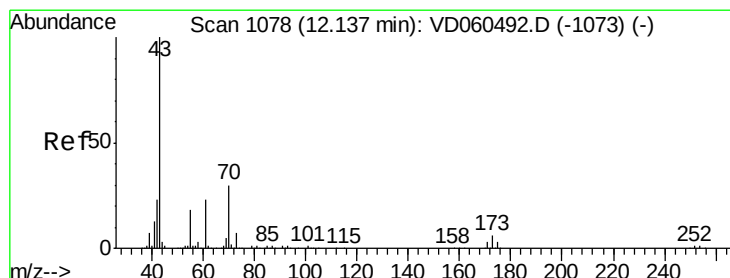
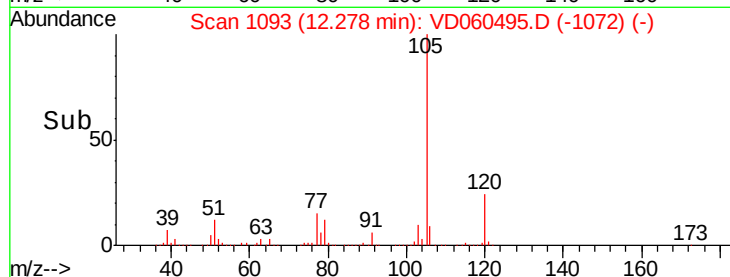
0

12.20

12.30

12.40

Time-->



#74

N-ethyl acetate

Concen: 146.154 ug/l

RT: 12.14 min Scan# 1079

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Tgt Ion: 43 Resp: 2409094

Ion Ratio Lower Upper

43 100

70 29.2 23.8 35.8

55 18.4 14.2 21.2

61 24.0 18.1 27.1

Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

2500000

2000000

1500000

1000000

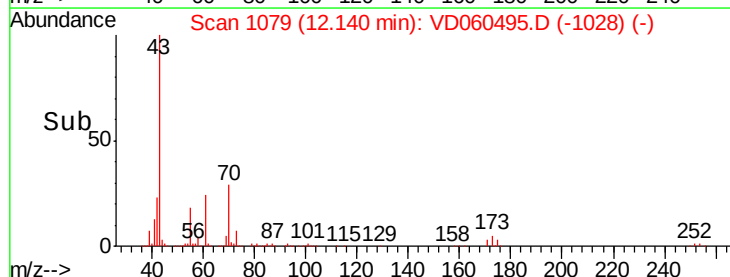
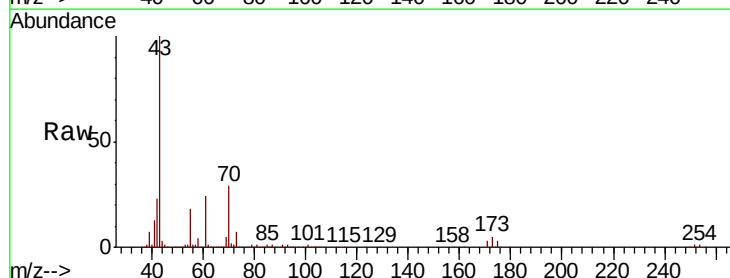
500000

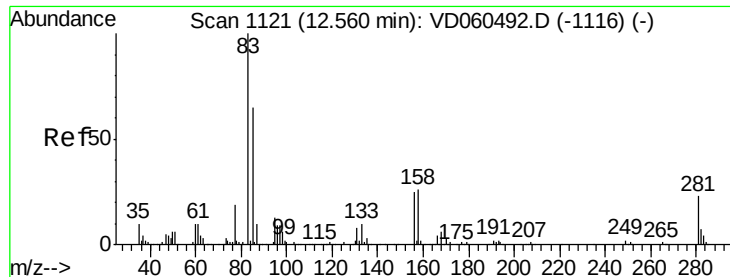
0

12.10

12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 143.652 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampled :

VSTDIC150

Tgt Ion: 83 Resp: 1503571

Ion Ratio Lower Upper

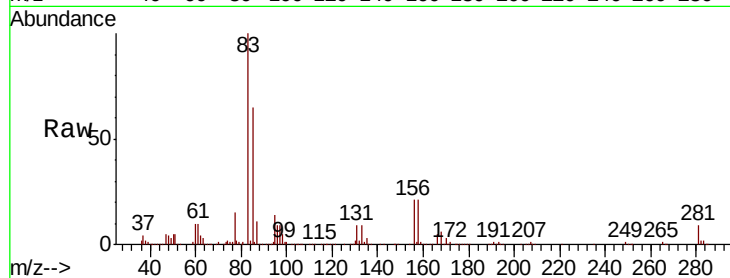
83 100

131 8.7 3.8 11.4

85 65.0 32.3 96.9

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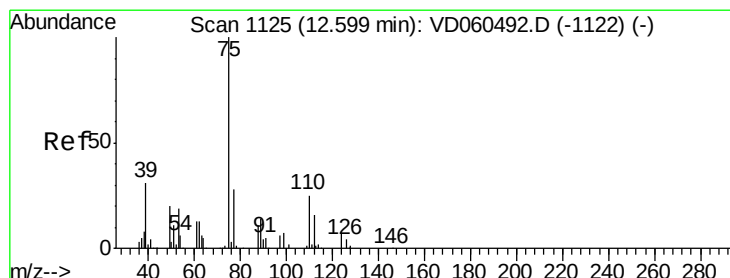
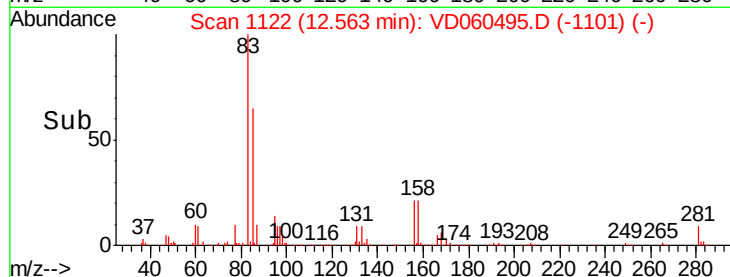
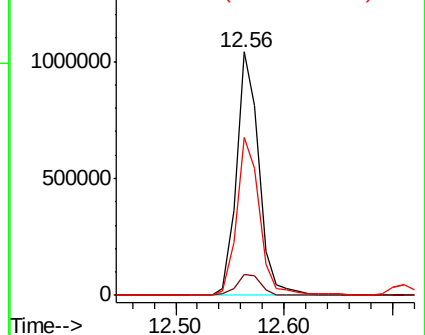
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 141.977 ug/l

RT: 12.60 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VD060495.D

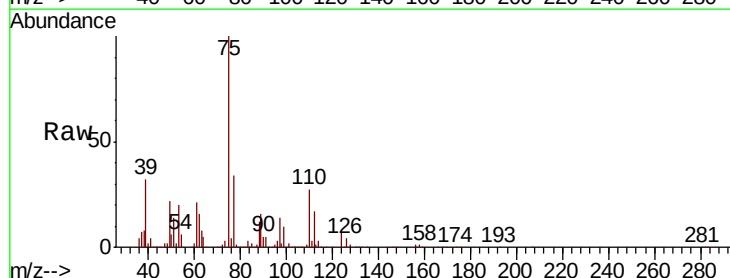
Acq: 5 Dec 2018 16:30

Tgt Ion: 75 Resp: 1496008

Ion Ratio Lower Upper

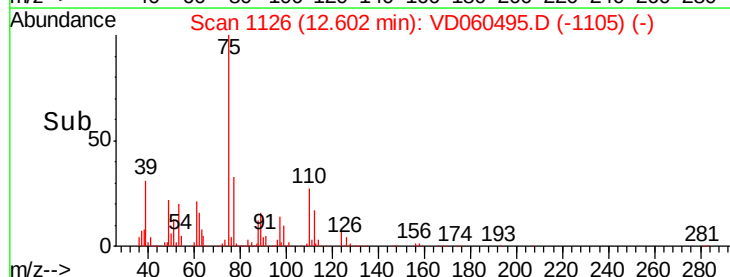
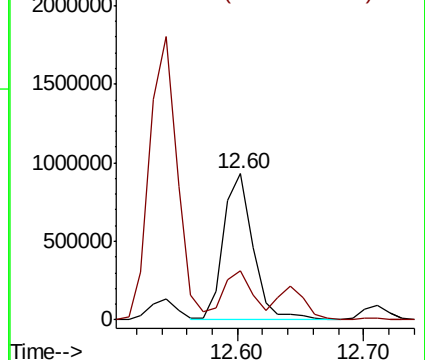
75 100

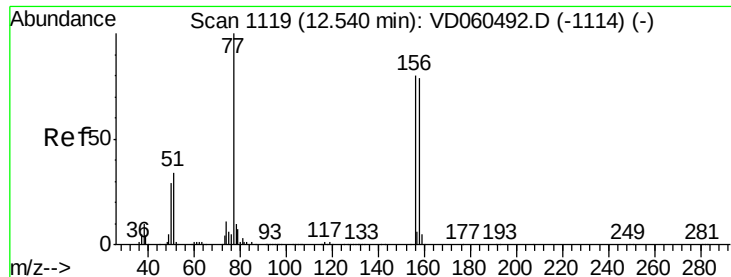
77 33.6 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





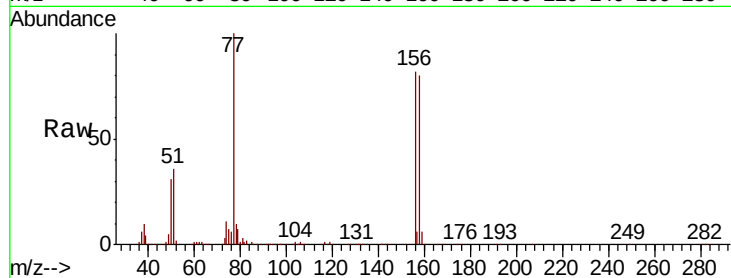
#77
Bromobenzene
Concen: 130.229 ug/l
RT: 12.54 min Scan# 1120
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

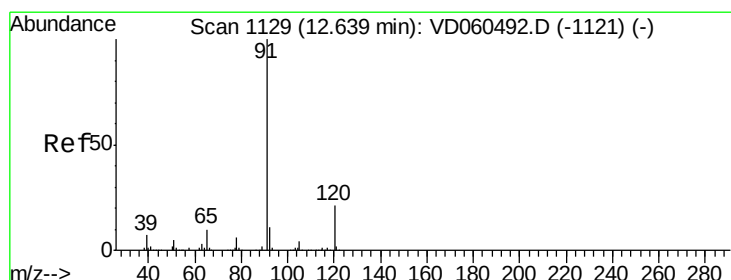
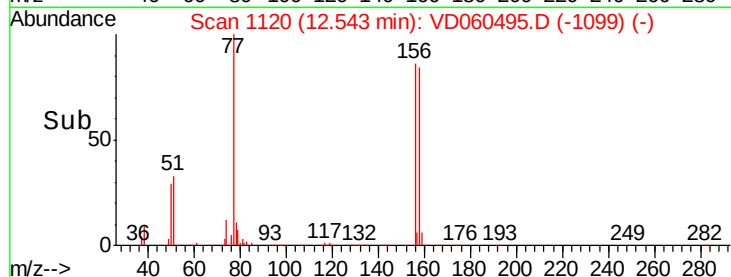
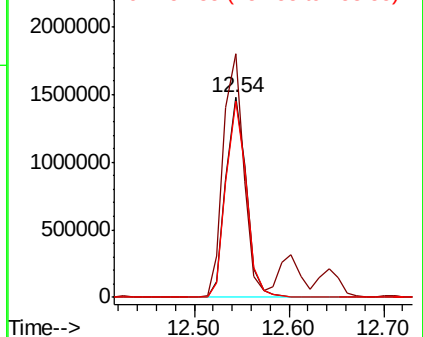
Tgt Ion: 156 Resp: 2226617
Ion Ratio Lower Upper
156 100
77 122.0 62.5 187.6
158 98.1 49.4 148.2

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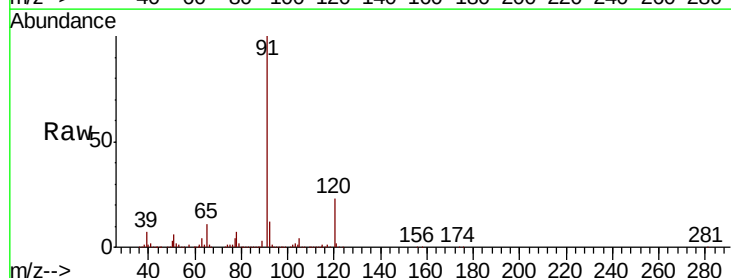


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

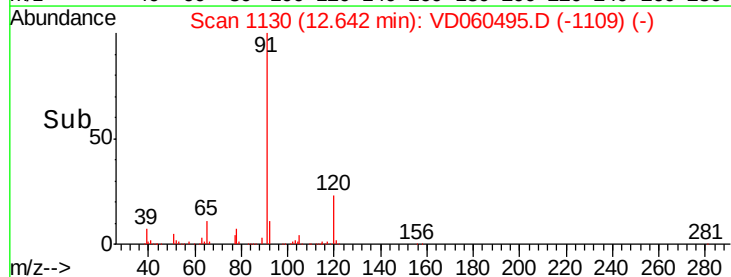
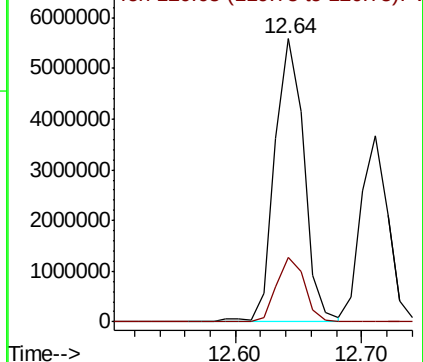


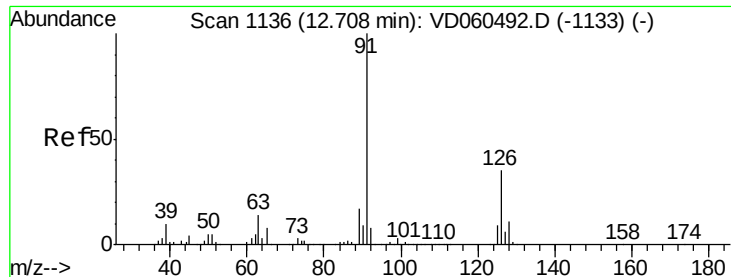
#78
n-propylbenzene
Concen: 112.403 ug/l
RT: 12.64 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion: 91 Resp: 9014340
Ion Ratio Lower Upper
91 100
120 22.6 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 125.543 ug/l

RT: 12.71 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 5542276

Ion Ratio Lower Upper

91 100

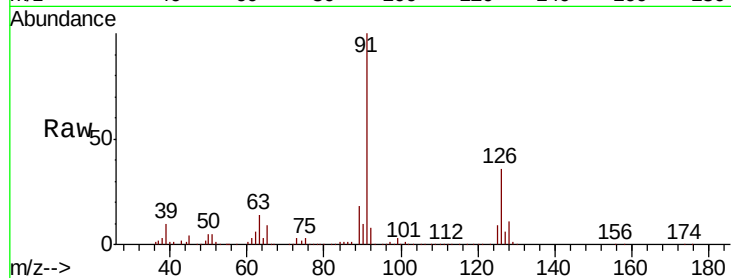
126 35.6 17.3 52.0

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V

6000000

5000000

4000000

3000000

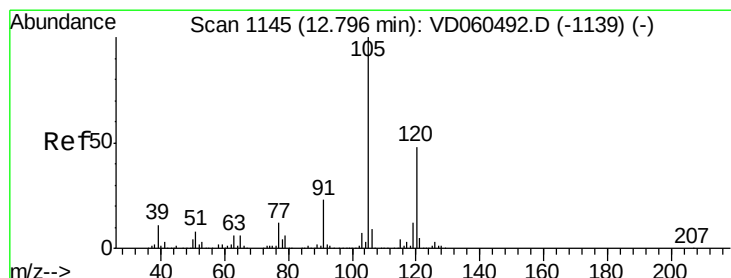
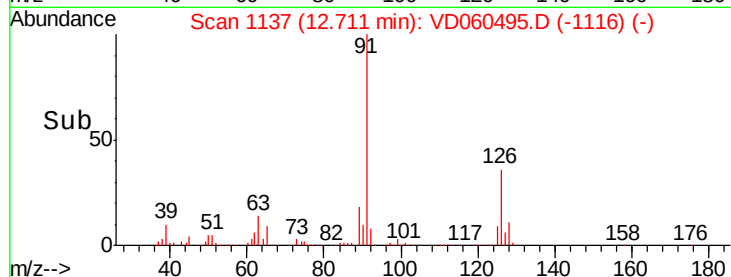
2000000

1000000

0

12.65 12.70 12.75

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 106.980 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VD060495.D

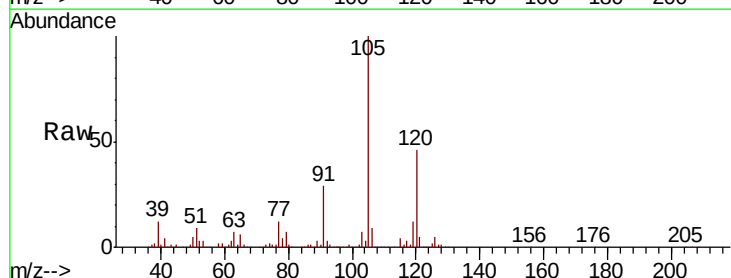
Acq: 5 Dec 2018 16:30

Tgt Ion: 105 Resp: 5332156

Ion Ratio Lower Upper

105 100

120 46.3 24.2 72.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

4000000

3000000

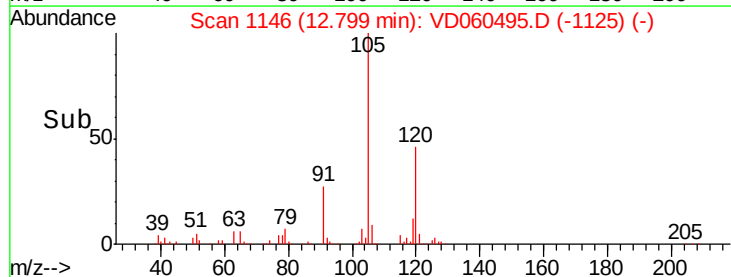
2000000

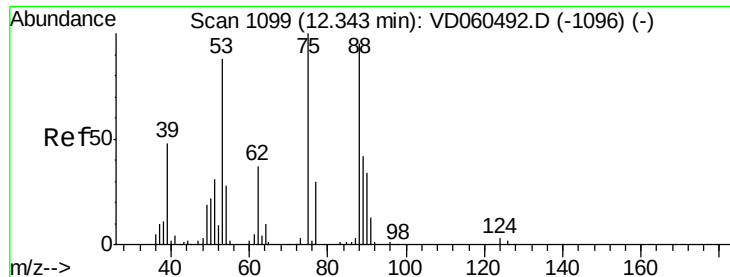
1000000

0

12.70 12.80 12.90

Time-->





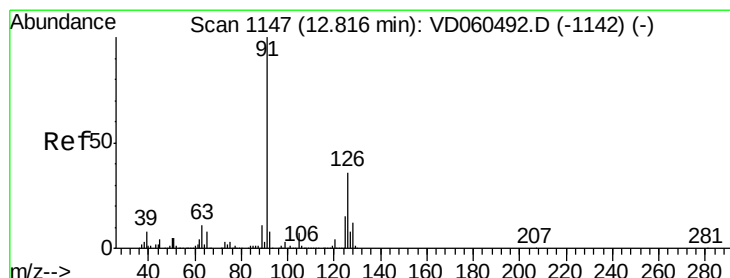
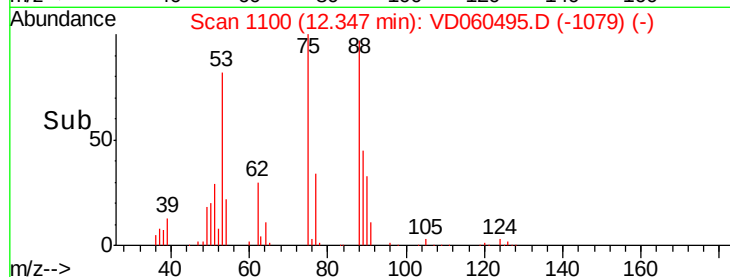
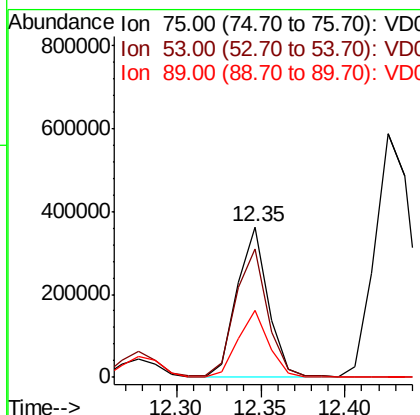
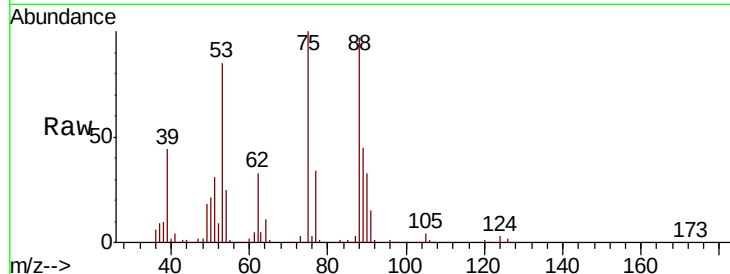
#81
trans-1,4-Dichloro-2-butene
Concen: 154.882 ug/l
RT: 12.35 min Scan# 1100
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
75	100		
53	85.4	70.5	105.7
89	44.9	33.6	50.4

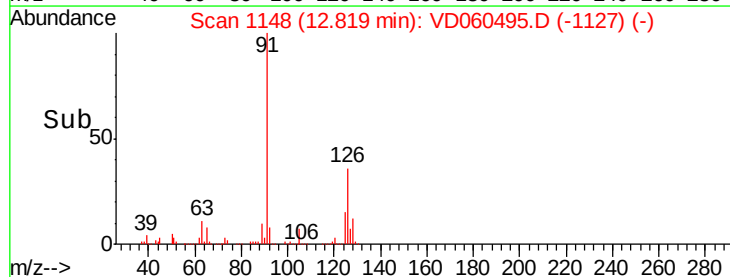
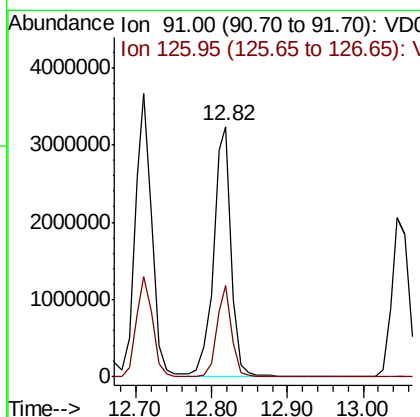
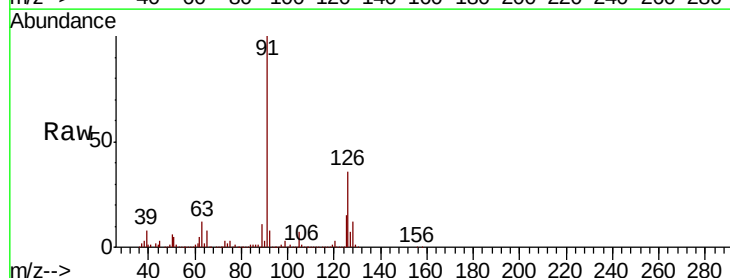
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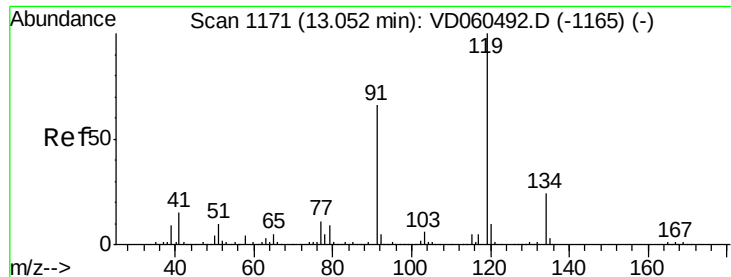
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#82
4-Chlorotoluene
Concen: 106.235 ug/l
RT: 12.82 min Scan# 1148
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.4	17.8	53.4





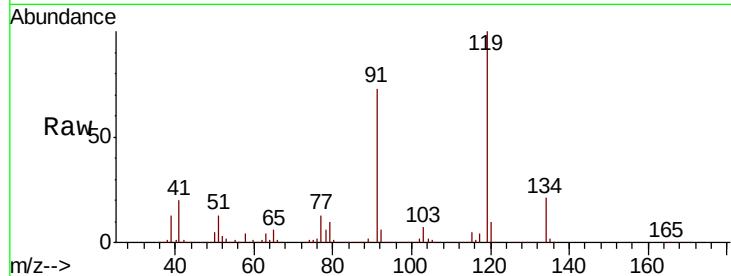
#83
 tert-Butylbenzene
 Concen: 116.062 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

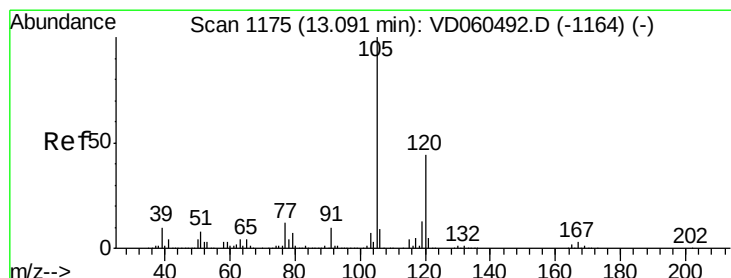
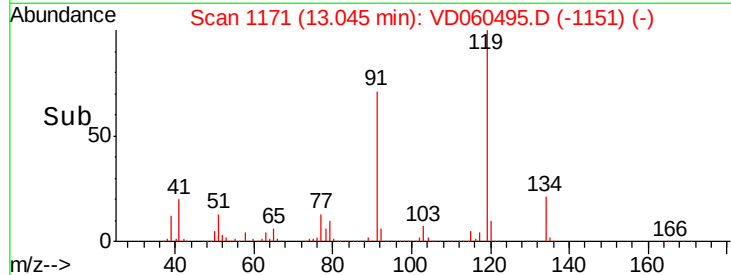
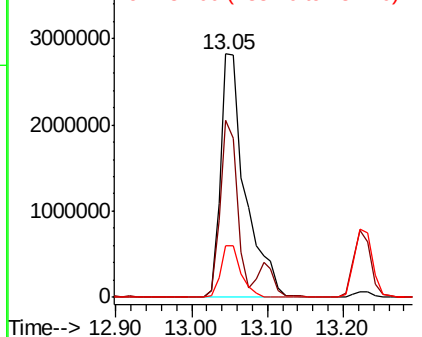
Tgt Ion:119 Resp: 6440303
 Ion Ratio Lower Upper
 119 100
 91 73.0 33.1 99.2
 134 21.2 12.0 36.0

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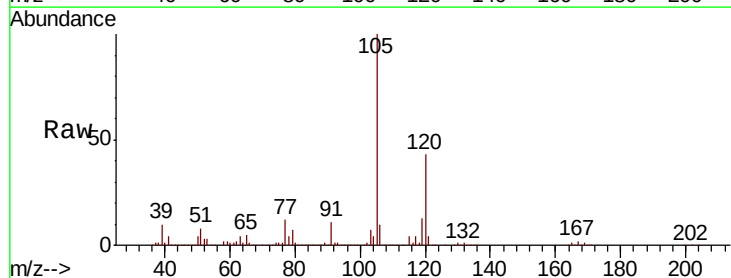


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

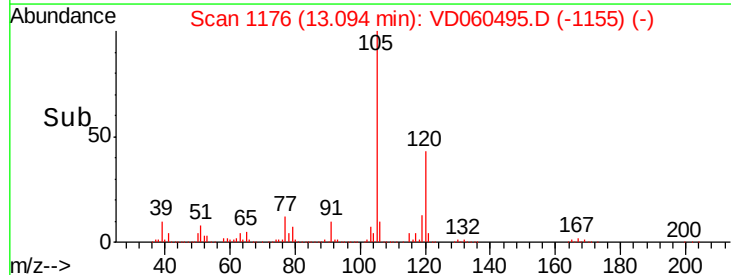
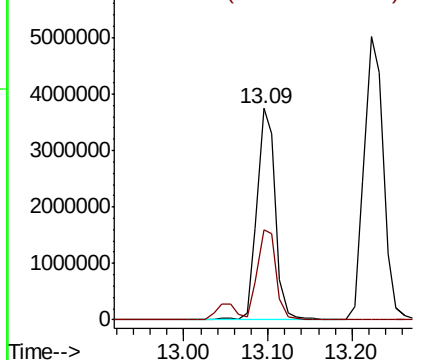


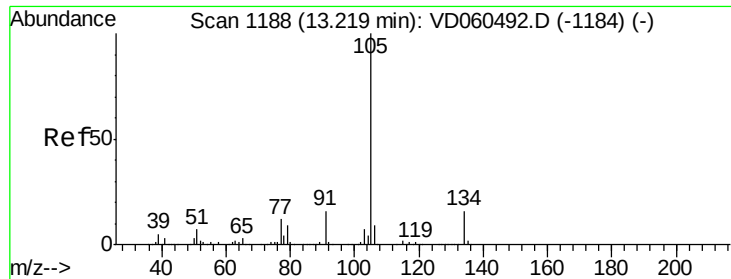
#84
 1,2,4-Trimethylbenzene
 Concen: 115.676 ug/l
 RT: 13.09 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

Tgt Ion:105 Resp: 5776277
 Ion Ratio Lower Upper
 105 100
 120 42.9 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 117.752 ug/l

RT: 13.22 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC150

Tgt Ion:105 Resp: 7977894

Ion Ratio Lower Upper

105 100

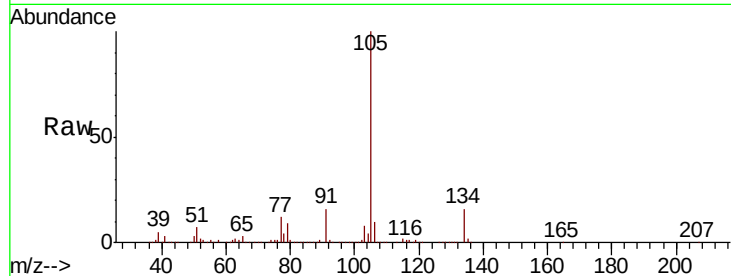
134 15.9 7.9 23.7

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

6000000

5000000

4000000

3000000

2000000

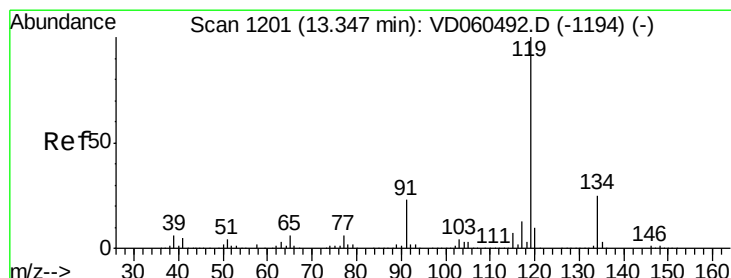
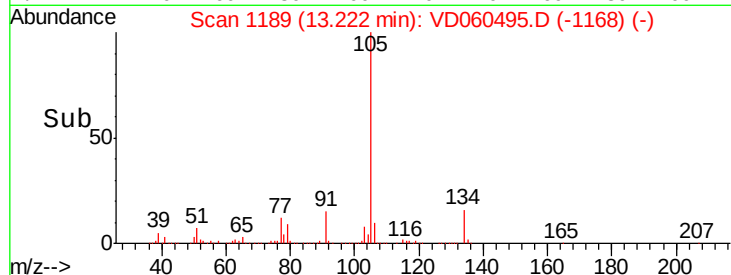
1000000

0

13.22

13.30

Time-->



#86

p-Isopropyltoluene

Concen: 109.119 ug/l

RT: 13.35 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

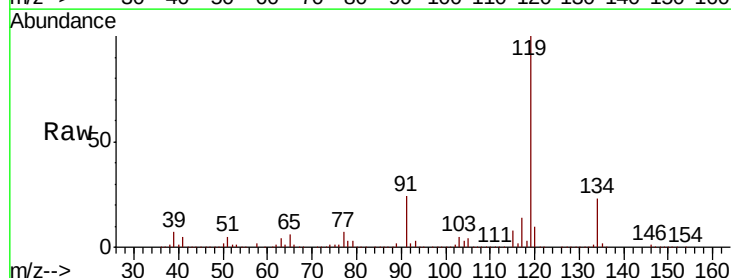
Tgt Ion:119 Resp: 5944520

Ion Ratio Lower Upper

119 100

134 22.7 12.5 37.5

91 24.3 11.5 34.4



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

5000000

4000000

3000000

2000000

1000000

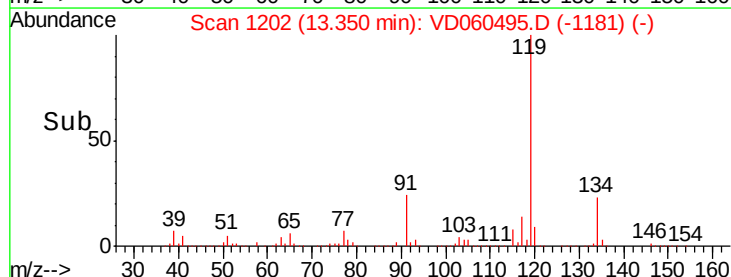
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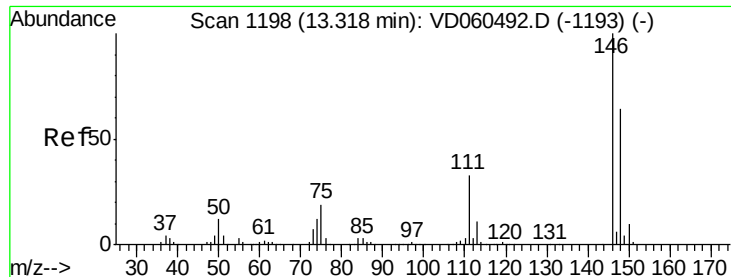
13.35

13.40

13.50

Time-->





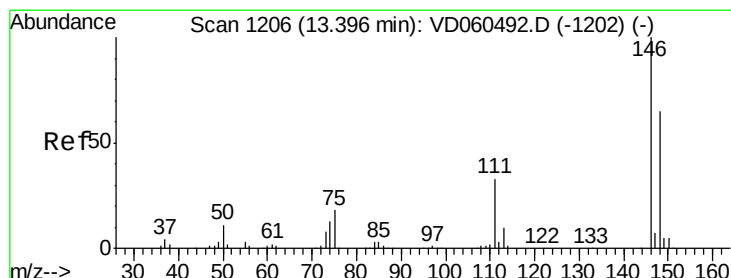
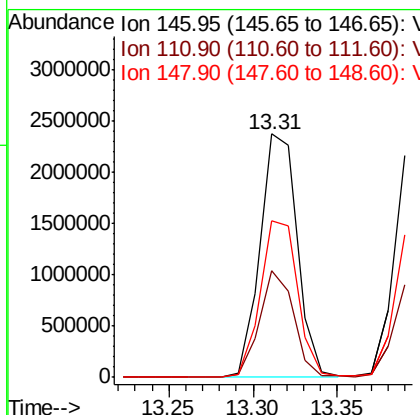
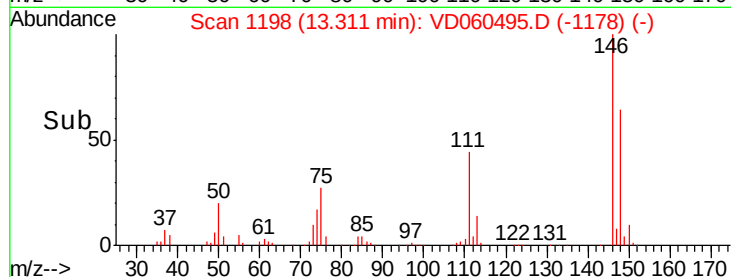
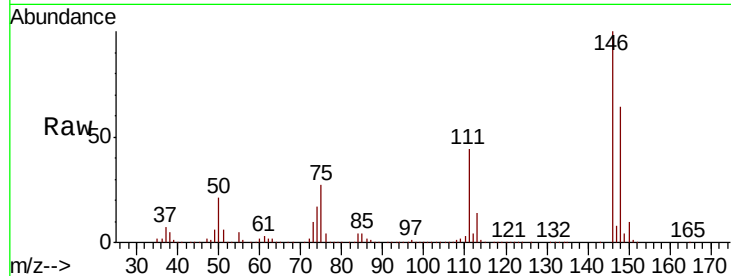
#87
 1,3-Dichlorobenzene
 Concen: 119.751 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion:146 Resp: 3639153
 Ion Ratio Lower Upper
 146 100
 111 43.8 16.5 49.5
 148 64.1 32.3 96.8

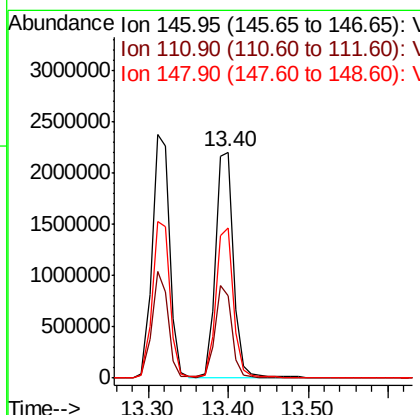
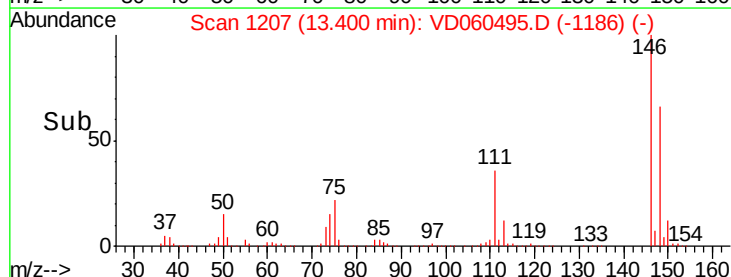
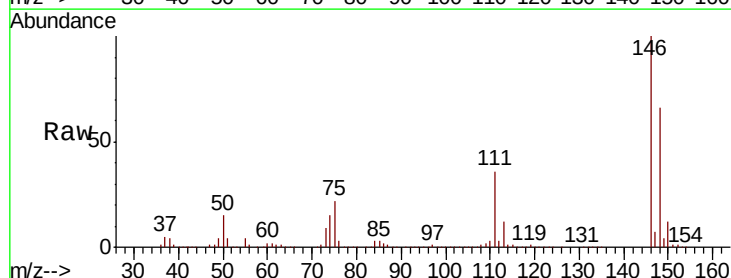
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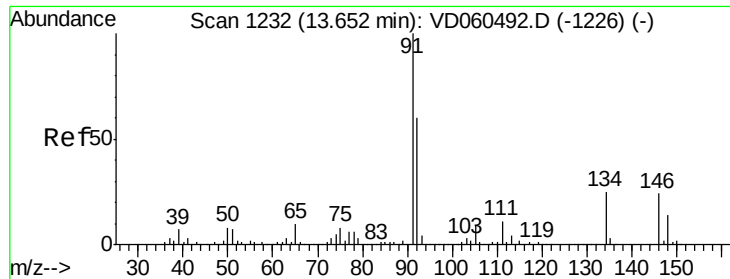
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#88
 1,4-Dichlorobenzene
 Concen: 119.137 ug/l
 RT: 13.40 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

Tgt Ion:146 Resp: 3528993
 Ion Ratio Lower Upper
 146 100
 111 36.4 16.4 49.1
 148 66.2 32.6 98.0





#89

n-Butylbenzene

Concen: 96.589 ug/l

RT: 13.65 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD060495.D

Acq: 5 Dec 2018 16:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 5384876

Ion Ratio Lower Upper

91 100

92 60.6 30.0 90.1

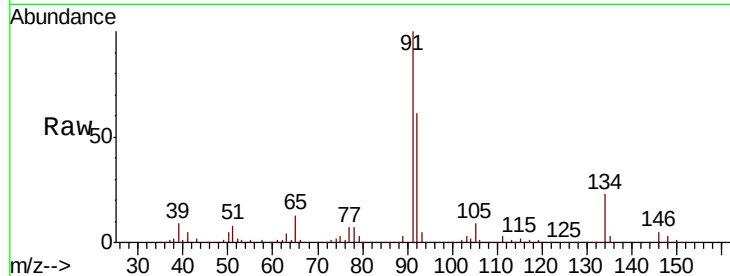
134 23.0 12.5 37.5

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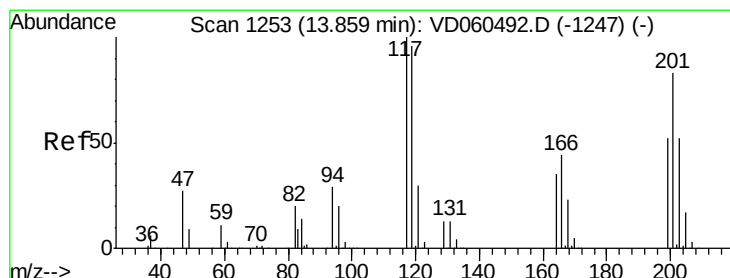
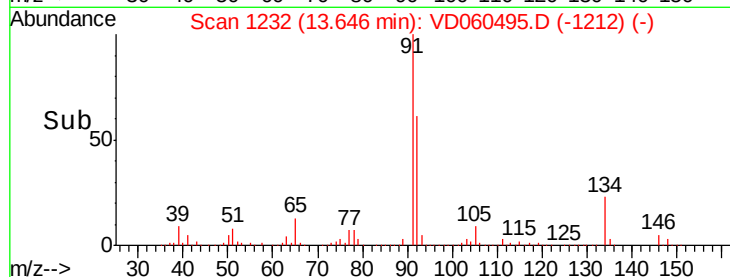
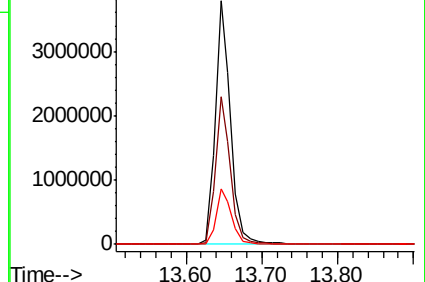
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Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 143.021 ug/l

RT: 13.86 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD060495.D

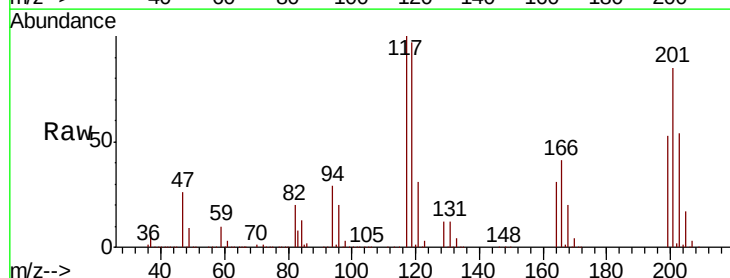
Acq: 5 Dec 2018 16:30

Tgt Ion: 117 Resp: 1874404

Ion Ratio Lower Upper

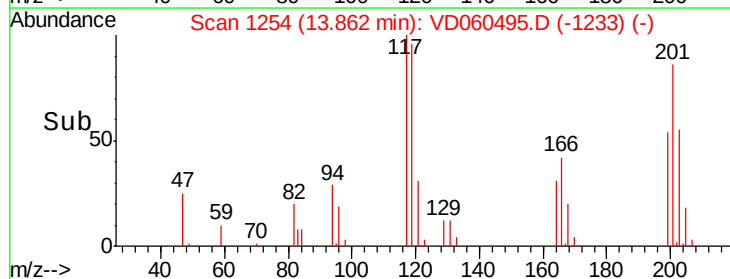
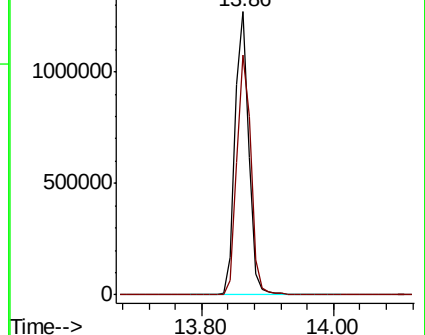
117 100

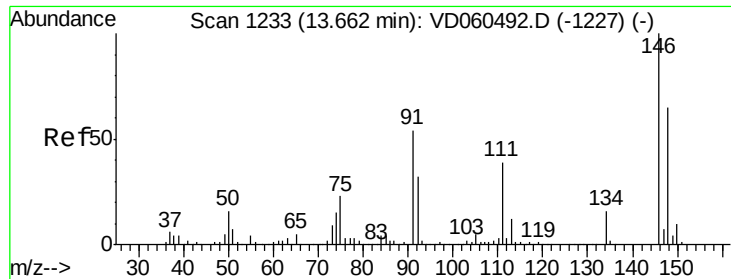
201 84.6 41.3 123.9



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





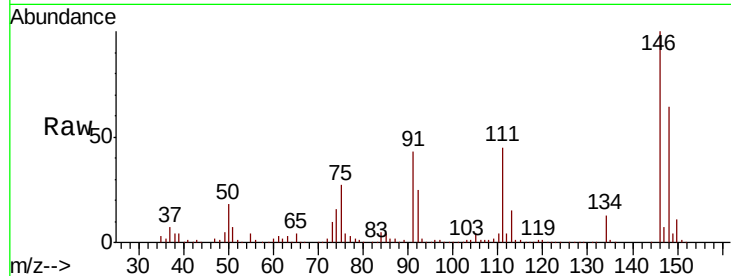
#91
 1,2-Dichlorobenzene
 Concen: 96.469 ug/l
 RT: 13.67 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC150

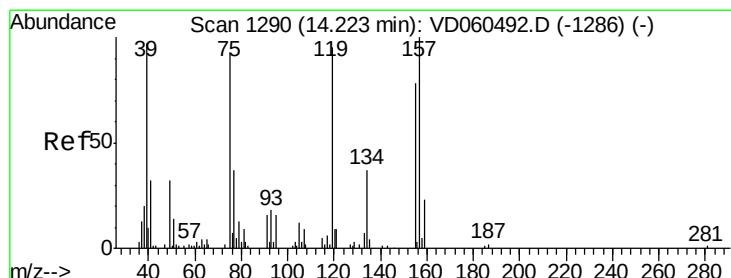
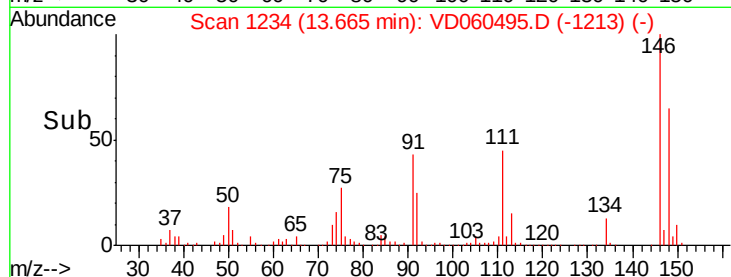
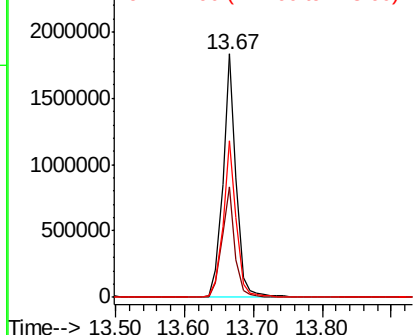
Tgt Ion: 146 Resp: 2402985
 Ion Ratio Lower Upper
 146 100
 111 45.3 19.3 57.8
 148 64.5 32.3 96.8

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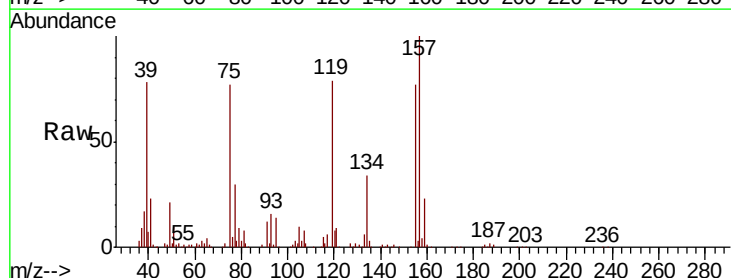


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

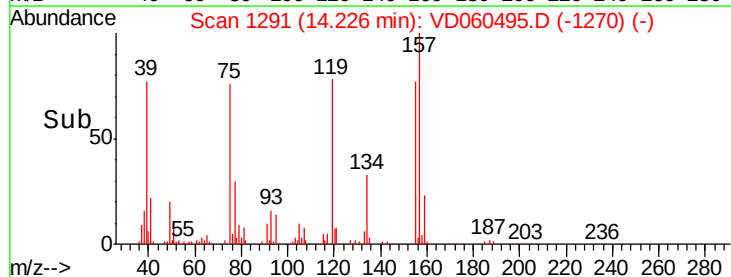
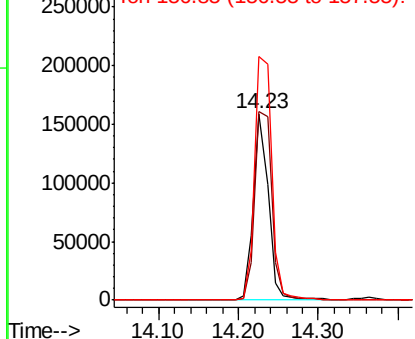


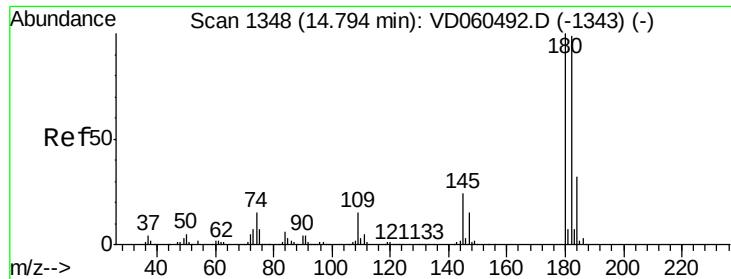
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 162.689 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

Tgt Ion: 75 Resp: 204923
 Ion Ratio Lower Upper
 75 100
 155 100.8 41.6 124.9
 157 130.5 53.6 160.8



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V





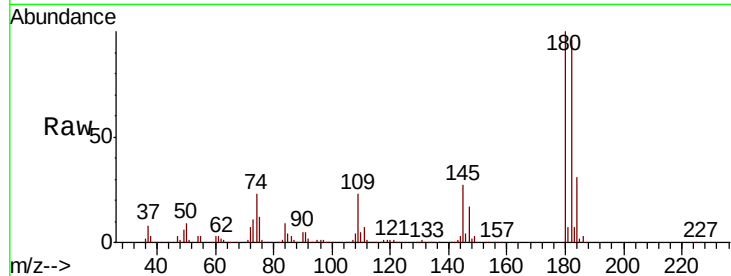
#93
 1,2,4-Trichlorobenzene
 Concen: 126.253 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	49.4	148.0
145	27.2	11.9	35.9

Manual Integrations
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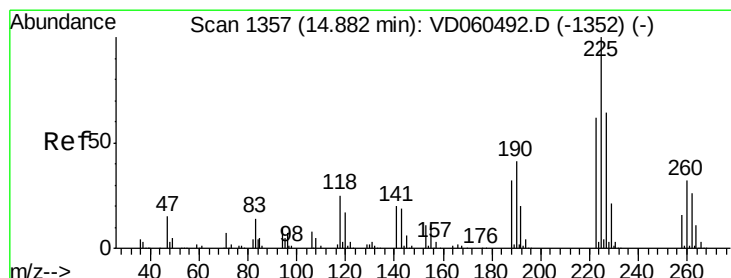
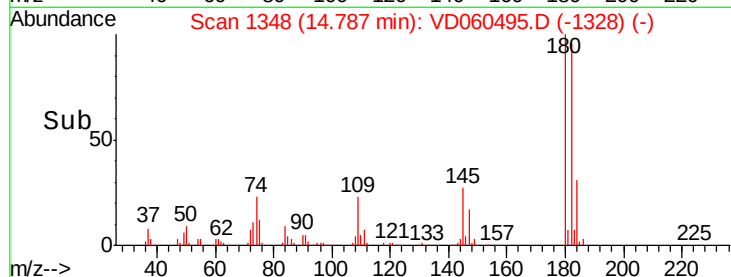
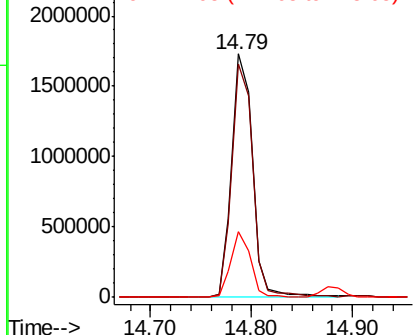


Abundance

Ion 179.85 (179.55 to 180.55): V

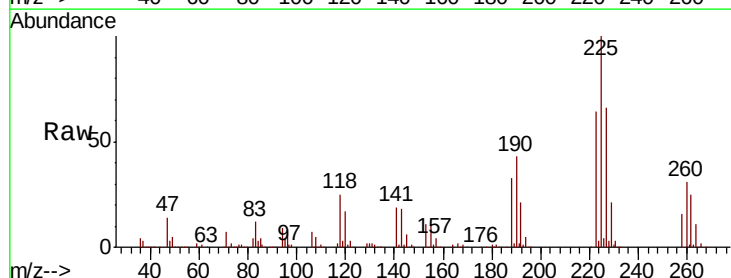
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 120.059 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VD060495.D
 Acq: 5 Dec 2018 16:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.2	93.6
227	65.6	32.0	96.0

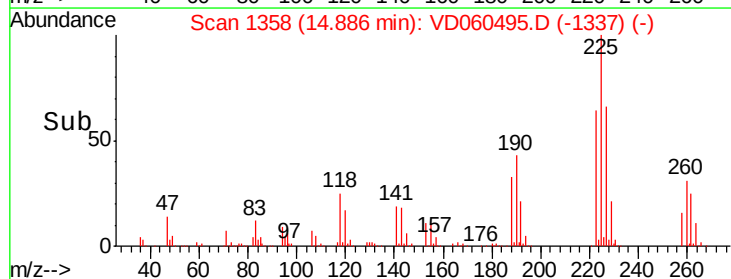
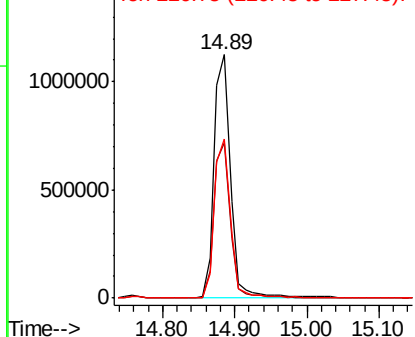


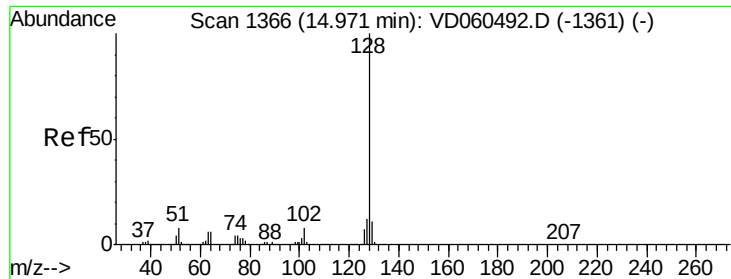
Abundance

Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V





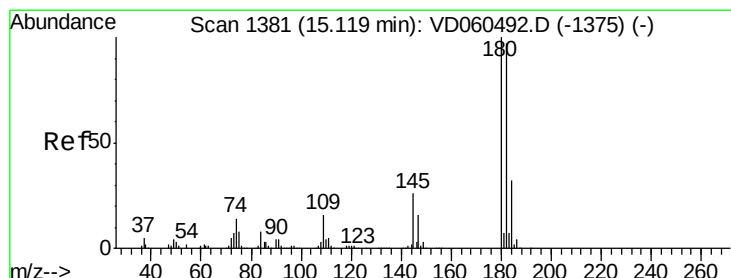
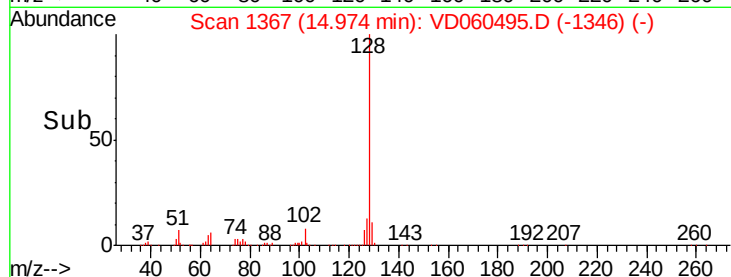
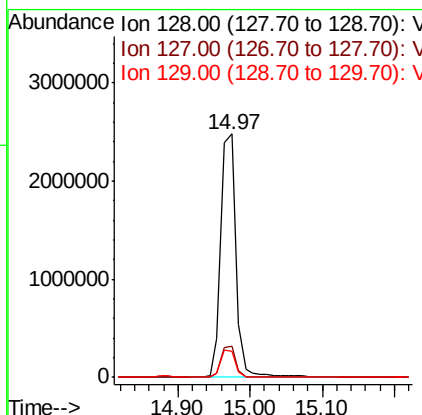
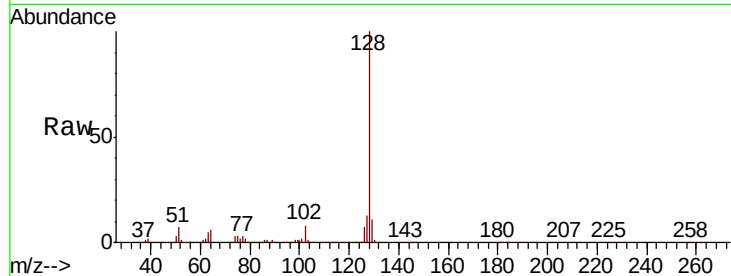
#95
Naphthalene
Concen: 148.898 ug/l
RT: 14.97 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 3606175
Ion Ratio Lower Upper
128 100
127 12.7 9.8 14.8
129 10.9 8.6 13.0

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#96
1,2,3-Trichlorobenzene
Concen: 138.531 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VD060495.D
Acq: 5 Dec 2018 16:30

Tgt Ion:180 Resp: 2184341
Ion Ratio Lower Upper
180 100
182 95.1 48.5 145.5
145 29.1 12.9 38.7

