

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD120518\
 Data File : VD060496.D
 Acq On : 5 Dec 2018 17:26
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD120518

Manual Integrations
 APPROVED

apatel
 12/6/2018 10:54:10 AM

Quant Time: Dec 06 01:56:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1571123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2217629	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1774176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	912067	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	561738	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
35) Dibromofluoromethane	6.32	113	792771	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
50) Toluene-d8	9.45	98	2290971	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
62) 4-Bromofluorobenzene	12.43	95	819207	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	697552	46.185	ug/l	99
3) Chloromethane	1.77	50	724293	44.869	ug/l	97
4) Vinyl Chloride	1.87	62	591801	45.936	ug/l	98
5) Bromomethane	2.16	94	169954	52.731	ug/l	97
6) Chloroethane	2.27	64	193690	45.557	ug/l	97
7) Trichlorofluoromethane	2.53	101	685040	46.051	ug/l	98
8) Diethyl Ether	2.84	74	135886	52.885	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.11	101	453410	46.976	ug/l	99
10) Methyl Iodide	3.25	142	534707	47.394	ug/l	97
11) Tert butyl alcohol	3.97	59	134480	297.242	ug/l	95
12) 1,1-Dichloroethene	3.09	96	365102	46.492	ug/l	98
13) Acrolein	3.00	56	122320	247.432	ug/l	92
14) Allyl chloride	3.55	41	759392	50.968	ug/l	99
15) Acrylonitrile	4.09	53	709498	276.186	ug/l	95
16) Acetone	3.17	43	437181	244.917	ug/l	99
17) Carbon Disulfide	3.32	76	1154906	45.275	ug/l	100
18) Methyl Acetate	3.57	43	217099	51.174	ug/l	99
19) Methyl tert-butyl Ether	4.13	73	1192962	54.779	ug/l	100
20) Methylene Chloride	3.73	84	843242	51.591	ug/l	94
21) trans-1,2-Dichloroethene	4.11	96	860871	50.396	ug/l	97
22) Diisopropyl ether	4.86	45	2724991	50.939	ug/l	96
23) Vinyl Acetate	4.81	43	7105607	268.092	ug/l	99
24) 1,1-Dichloroethane	4.76	63	1371413	49.348	ug/l	99
25) 2-Butanone	5.63	43	1010288	287.679	ug/l	99
26) 2,2-Dichloropropane	5.60	77	1030632	48.006	ug/l	97
27) cis-1,2-Dichloroethene	5.60	96	900288	51.834	ug/l	97
28) Bromochloromethane	5.93	49	618119	50.209	ug/l	99
29) Tetrahydrofuran	5.96	42	533594	268.314	ug/l	99
30) Chloroform	6.11	83	1368047	48.862	ug/l	98
31) Cyclohexane	6.37	56	1208523	50.925	ug/l	99
32) 1,1,1-Trichloroethane	6.29	97	1152483	50.071	ug/l	99
36) 1,1-Dichloropropene	6.53	75	1005577	46.390	ug/l	98
37) Ethyl Acetate	5.70	43	493816	52.528	ug/l	99
38) Carbon Tetrachloride	6.50	117	946722	48.648	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	1195828	48.392	ug/l	98
40) Benzene	6.80	78	2749122	49.624	ug/l	100
41) Methacrylonitrile	5.92	41	233378m	46.052	ug/l	
42) 1,2-Dichloroethane	6.89	62	717520	50.940	ug/l	100
43) Isopropyl Acetate	8.35	43	650642	56.067	ug/l #	96
44) Trichloroethene	7.74	130	832813	50.302	ug/l	99
45) 1,2-Dichloropropane	8.11	63	693984	50.650	ug/l	99
46) Dibromomethane	8.21	93	418524	52.868	ug/l	97
47) Bromodichloromethane	8.49	83	974064	51.857	ug/l	99
48) Methyl methacrylate	8.24	41	388027	56.510	ug/l	98
49) 1,4-Dioxane	8.22	88	74430	1195.989	ug/l	97
51) 4-Methyl-2-Pentanone	9.35	43	2055465	284.742	ug/l	99
52) Toluene	9.55	92	1687477	48.734	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	828777	53.697	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	1033061	50.944	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	499723	51.824	ug/l	99
56) Ethyl methacrylate	10.03	69	490271	56.180	ug/l	97
57) 1,3-Dichloropropane	10.38	76	756652	50.761	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	1411290	270.276	ug/l	99
59) 2-Hexanone	10.49	43	1438086	285.013	ug/l	100
60) Dibromochloromethane	10.64	129	654297	54.272	ug/l	98
61) 1,2-Dibromoethane	10.76	107	534109	54.352	ug/l	99
64) Tetrachloroethene	10.25	164	740657	47.145	ug/l	98
65) Chlorobenzene	11.31	112	1827056	48.678	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.42	131	612696	50.646	ug/l	97
67) Ethyl Benzene	11.43	91	3056103	47.736	ug/l	98
68) m/p-Xylenes	11.57	106	2360478	99.661	ug/l	97
69) o-Xylene	11.93	106	1099061	48.691	ug/l	98
70) Styrene	11.95	104	1809673	49.949	ug/l	98
71) Bromoform	12.11	173	446685	55.343	ug/l	99
73) Isopropylbenzene	12.28	105	3059356	47.402	ug/l	99
74) N-amyl acetate	12.13	43	853281	54.703	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	541382	52.396	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	534115	51.684	ug/l	99
77) Bromobenzene	12.54	156	837922	49.391	ug/l	90
78) n-propylbenzene	12.64	91	3850447	47.195	ug/l	97
79) 2-Chlorotoluene	12.70	91	2126225	48.027	ug/l	94
80) 1,3,5-Trimethylbenzene	12.79	105	2406382	48.794	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	156686	54.362	ug/l	96
82) 4-Chlorotoluene	12.81	91	2297776	46.211	ug/l	96
83) tert-Butylbenzene	13.05	119	2672927	48.339	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	2379581	46.599	ug/l	99
85) sec-Butylbenzene	13.22	105	3300203	47.885	ug/l	97
86) p-Isopropyltoluene	13.34	119	2596675	47.529	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	1474188	47.993	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	1458704	48.408	ug/l	97
89) n-Butylbenzene	13.65	91	2512301	45.618	ug/l	98
90) Hexachloroethane	13.86	117	668832	48.827	ug/l	79
91) 1,2-Dichlorobenzene	13.67	146	1189995	47.406	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	68895	55.029	ug/l	75

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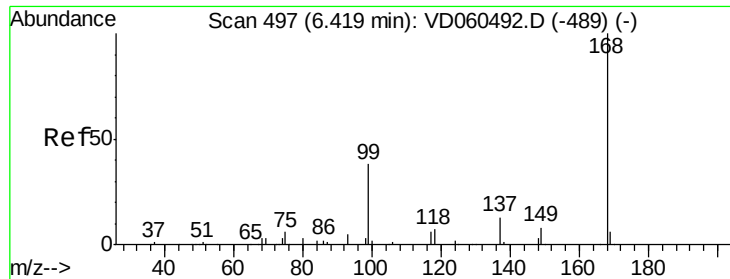
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	978457	49.862	ug/l	97
94) Hexachlorobutadiene	14.88	225	721450	49.830	ug/l	99
95) Naphthalene	14.96	128	1274378	54.589	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	812168	51.943	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.01 min

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Instrument :

MSVOA_D

ClientSampleId :

ICVVD120518

Tgt Ion:168 Resp: 1571123

Ion Ratio Lower Upper

168 100

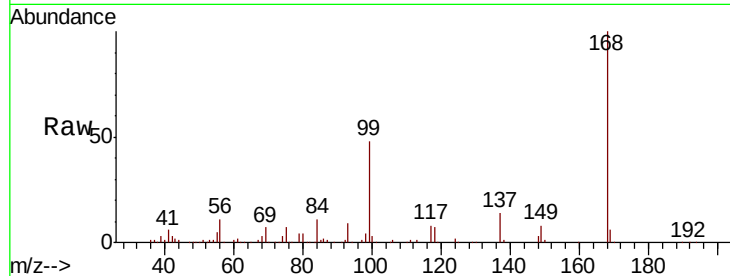
99 48.5 35.6 53.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

600000

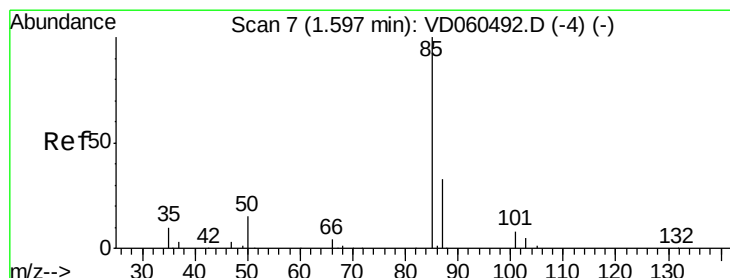
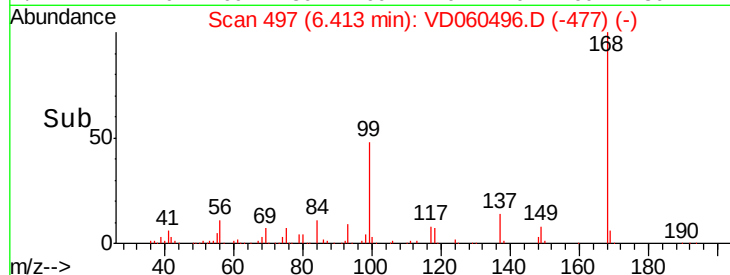
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 46.185 ug/l

RT: 1.60 min Scan# 8

Delta R.T. 0.00 min

Lab File: VD060496.D

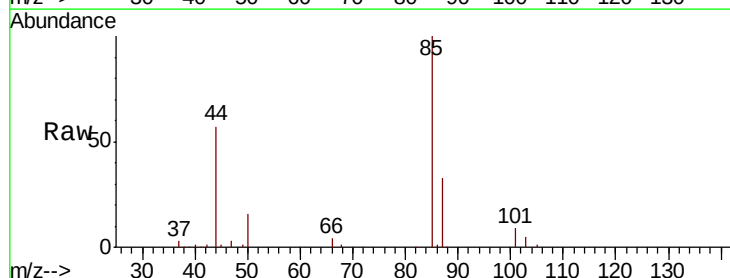
Acq: 5 Dec 2018 17:26

Tgt Ion: 85 Resp: 697552

Ion Ratio Lower Upper

85 100

87 32.8 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

300000

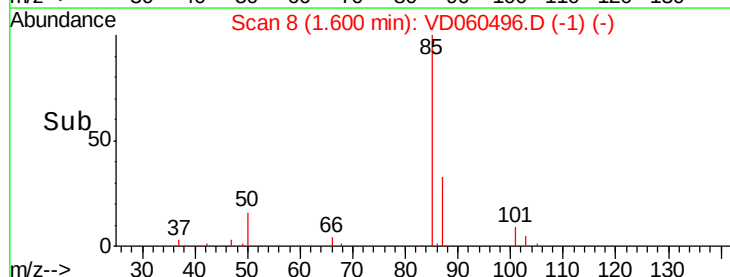
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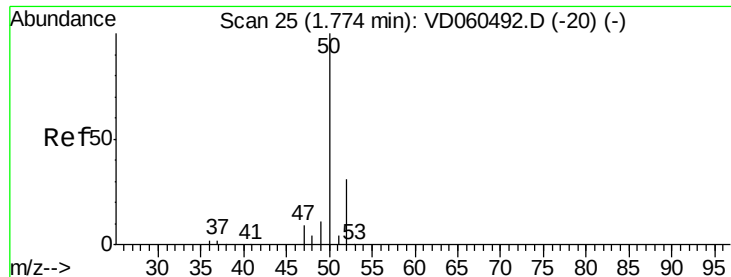
100000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 44.869 ug/l

RT: 1.77 min Scan# 25

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120518

Tgt Ion: 50 Resp: 724293

Ion Ratio Lower Upper

50 100

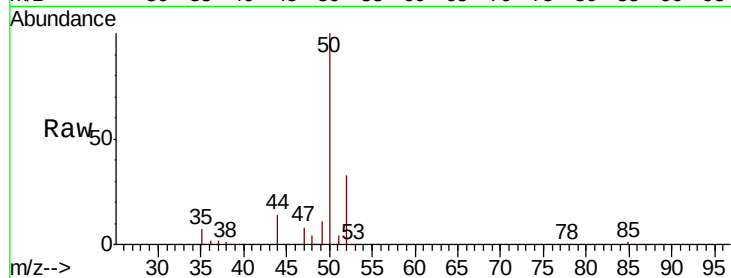
52 32.9 25.0 37.4

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.77

250000

200000

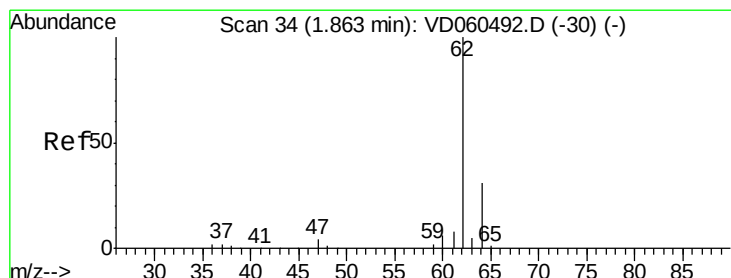
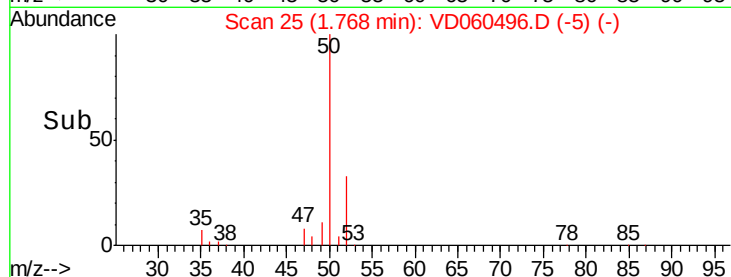
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 45.936 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.00 min

Lab File: VD060496.D

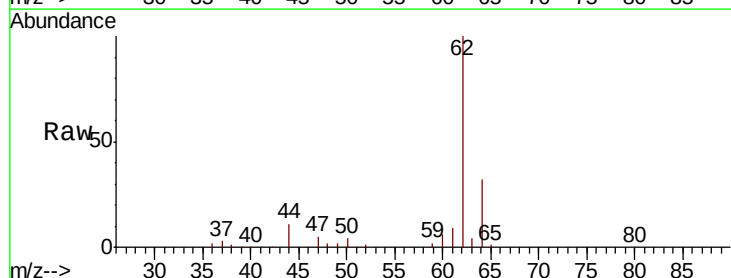
Acq: 5 Dec 2018 17:26

Tgt Ion: 62 Resp: 591801

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

1.87

300000

250000

200000

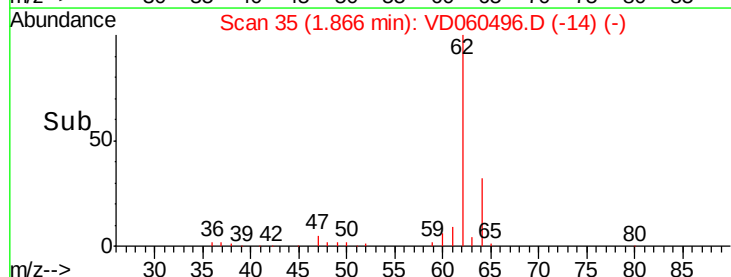
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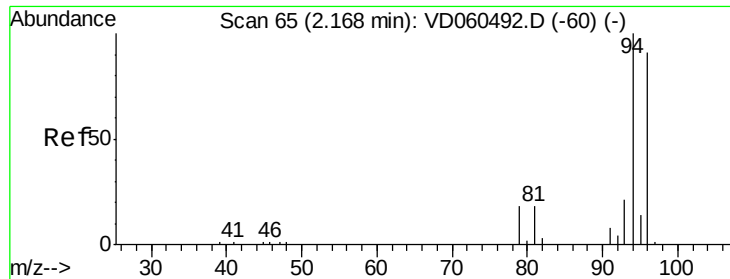
100000

50000

0

Time-->





#5

Bromomethane

Concen: 52.731 ug/l

RT: 2.16 min Scan# 65

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120518

Tgt Ion: 94 Resp: 169954

Ion Ratio Lower Upper

94 100

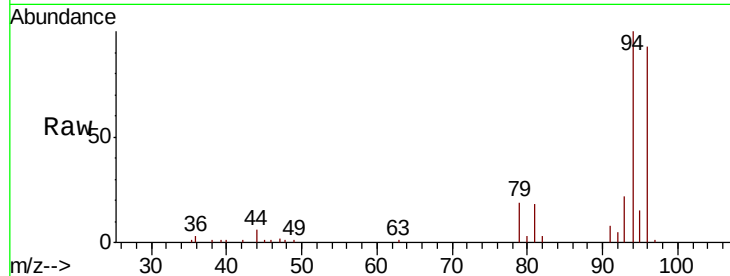
96 93.1 72.6 108.8

Manual Integrations

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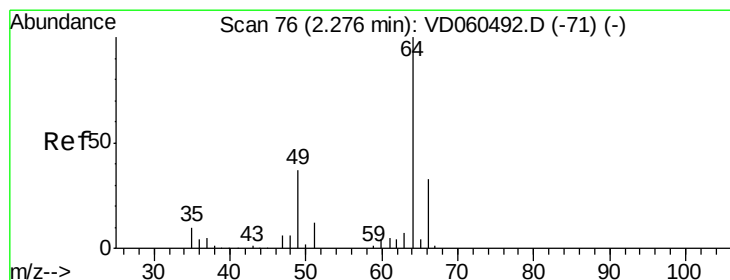
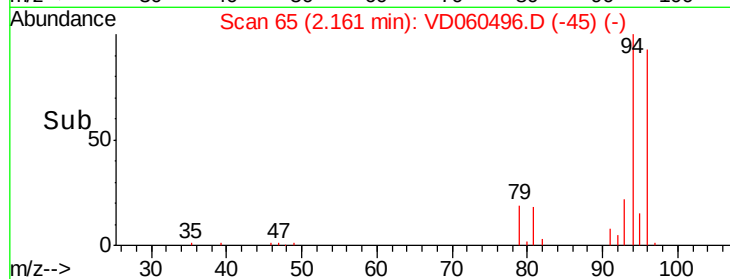
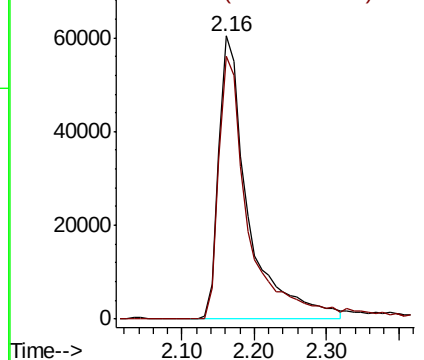
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 45.557 ug/l

RT: 2.27 min Scan# 76

Delta R.T. -0.01 min

Lab File: VD060496.D

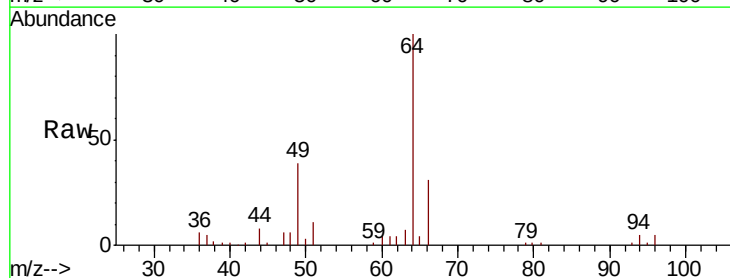
Acq: 5 Dec 2018 17:26

Tgt Ion: 64 Resp: 193690

Ion Ratio Lower Upper

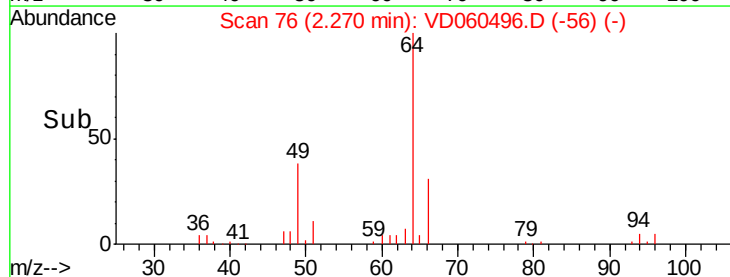
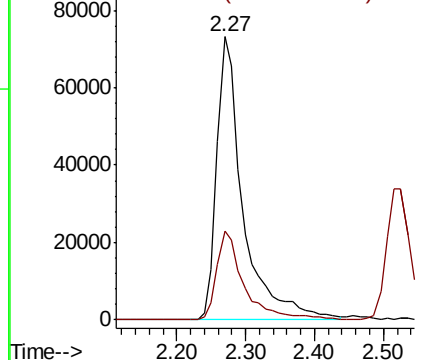
64 100

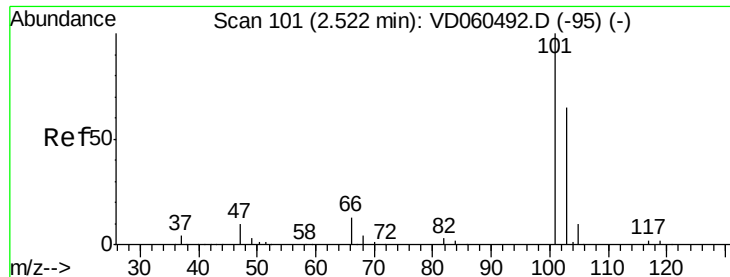
66 31.3 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

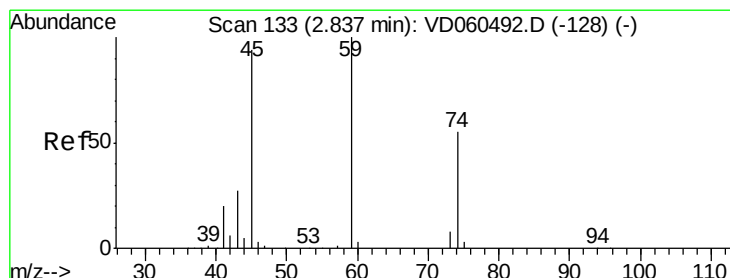
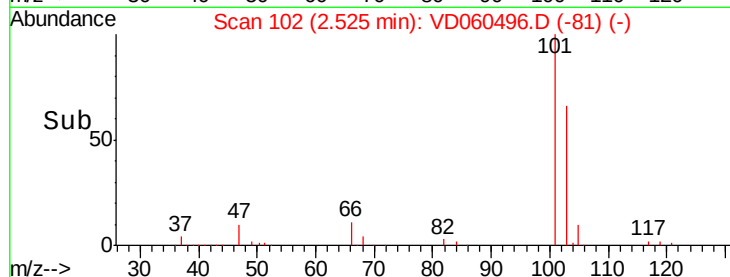
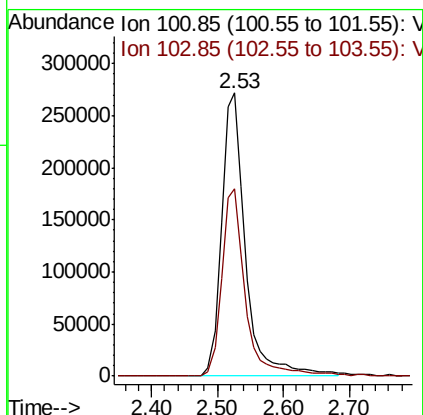
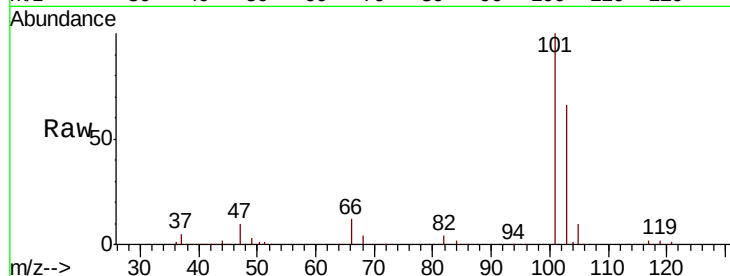
Trichlorofluoromethane
Concen: 46.051 ug/l
RT: 2.53 min Scan# 102
Delta R.T. 0.00 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

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Tgt Ion: 101 Resp: 685040
Ion Ratio Lower Upper
101 100
103 66.0 51.8 77.8

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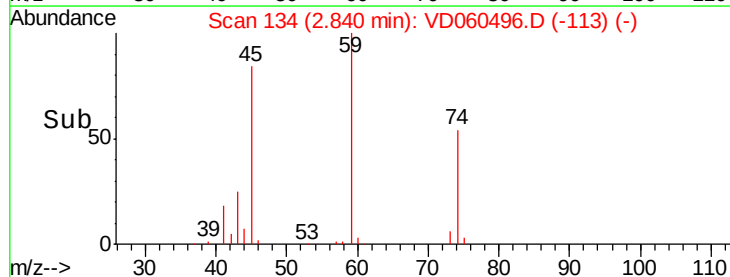
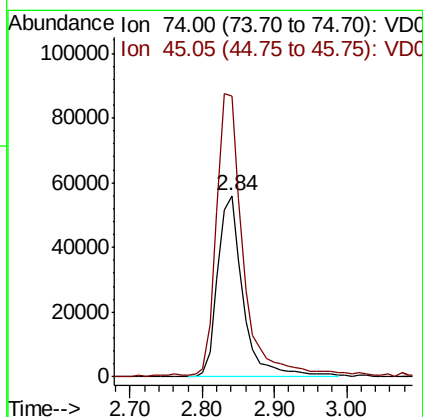
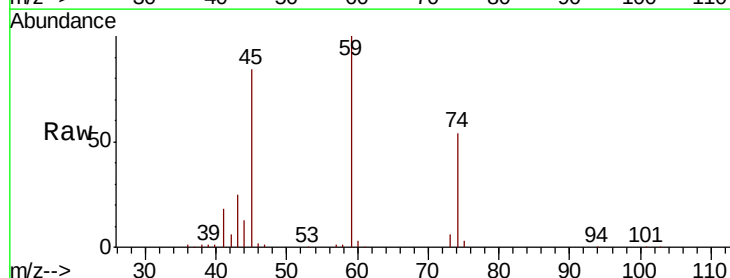
apatel
12/6/2018 10:54:10 AM

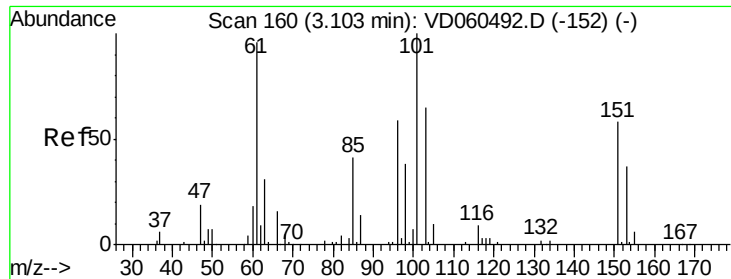


#8

Diethyl Ether
Concen: 52.885 ug/l
RT: 2.84 min Scan# 134
Delta R.T. 0.00 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion: 74 Resp: 135886
Ion Ratio Lower Upper
74 100
45 155.0 86.0 258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.976 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.00 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

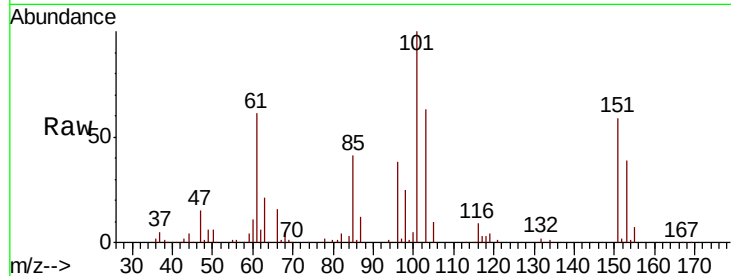
ClientSampleId :

ICVVD120518

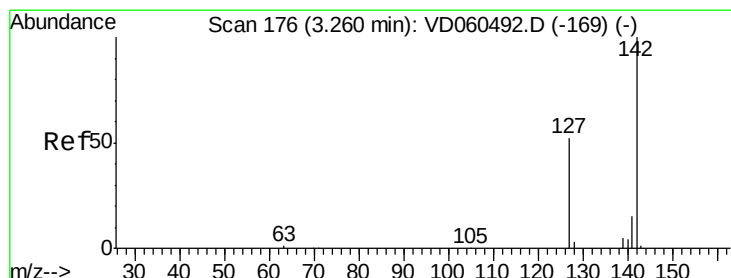
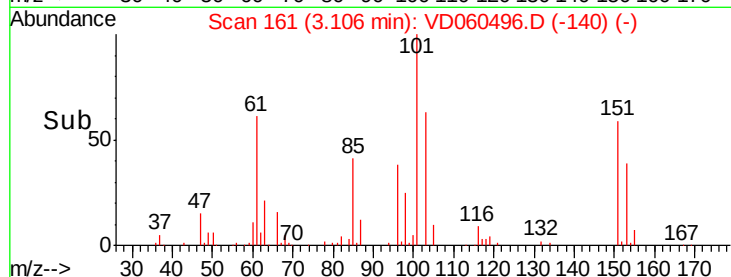
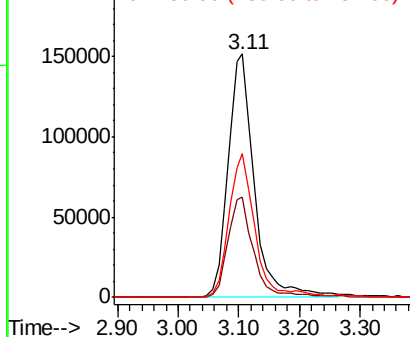
Tgt Ion:	101	Resp:	453410
Ion Ratio	Lower	Upper	
101	100		
85	41.0	32.7	49.1
151	58.9	46.6	69.8

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



#10

Methyl Iodide

Concen: 47.394 ug/l

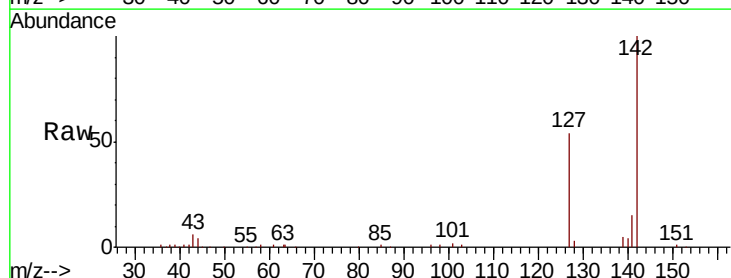
RT: 3.25 min Scan# 176

Delta R.T. -0.01 min

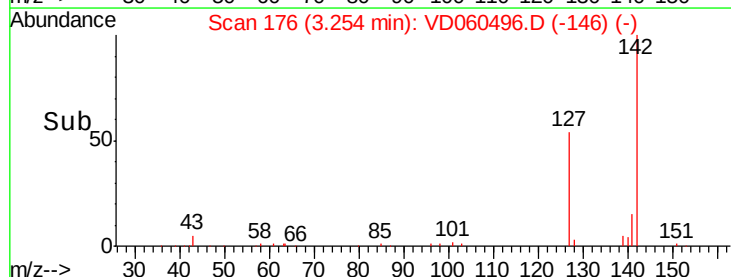
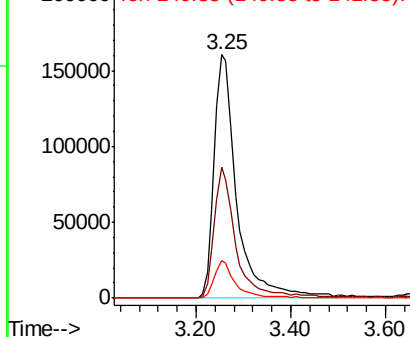
Lab File: VD060496.D

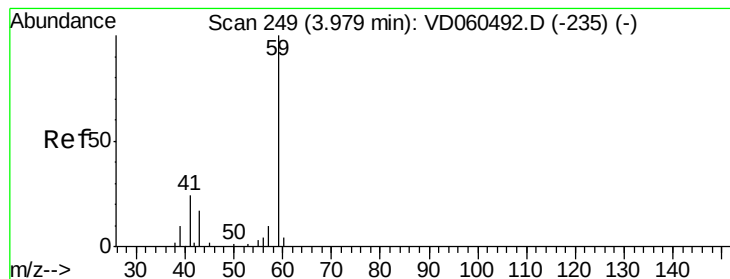
Acq: 5 Dec 2018 17:26

Tgt Ion:	142	Resp:	534707
Ion Ratio	Lower	Upper	
142	100		
127	53.8	41.2	61.8
141	15.2	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

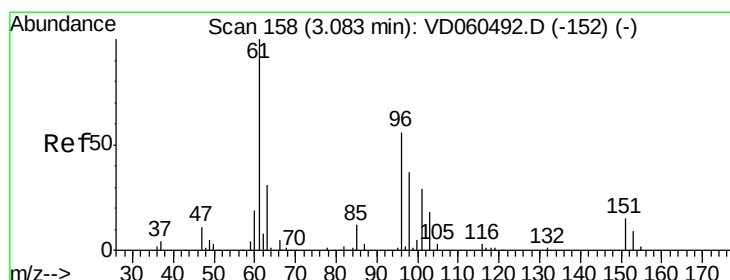
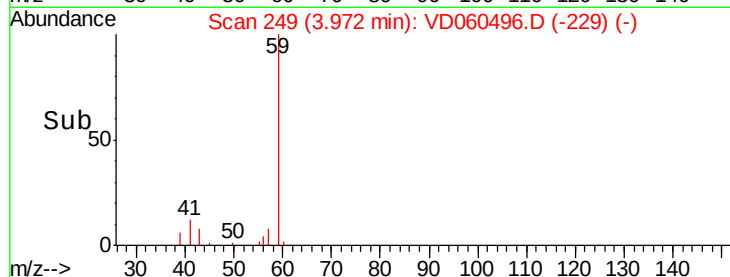
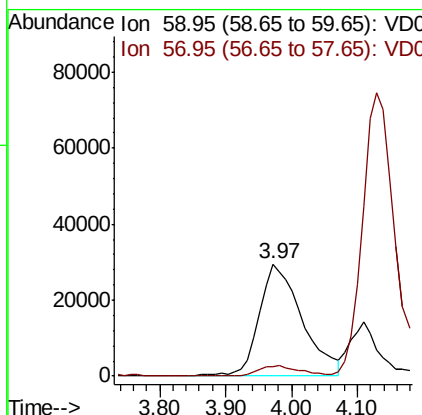
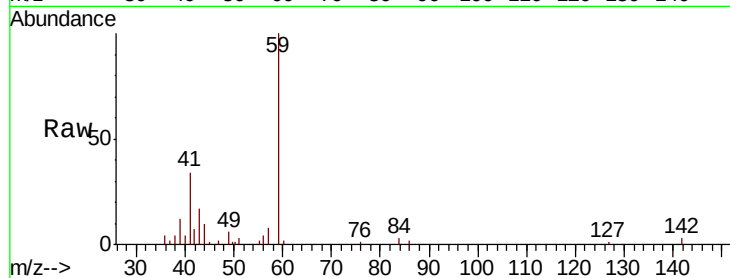
Tert butyl alcohol
Concen: 297.242 ug/l
RT: 3.97 min Scan# 249
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

Tgt Ion: 59 Resp: 134480
Ion Ratio Lower Upper
59 100
57 8.3 8.1 12.1

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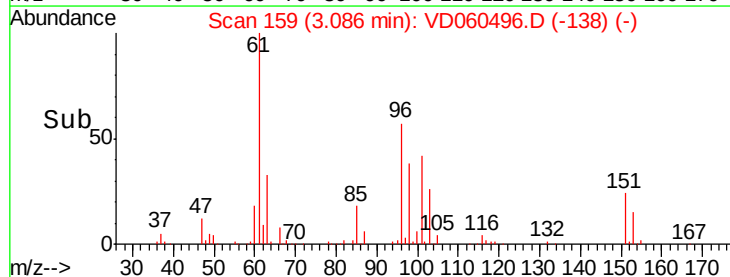
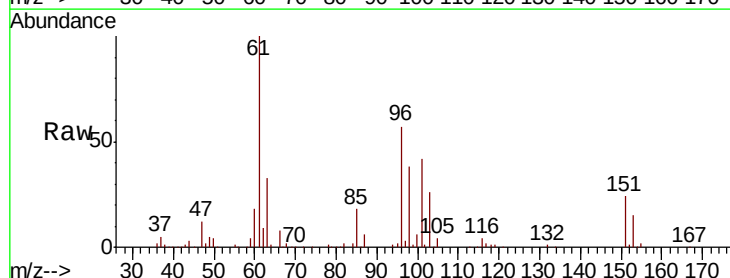
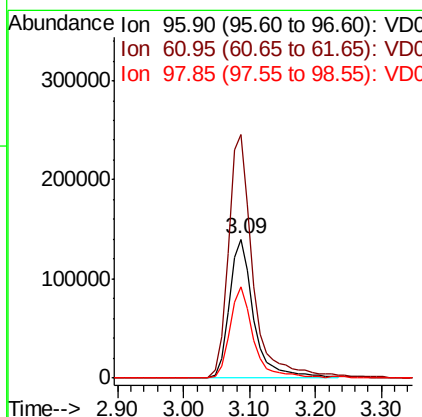
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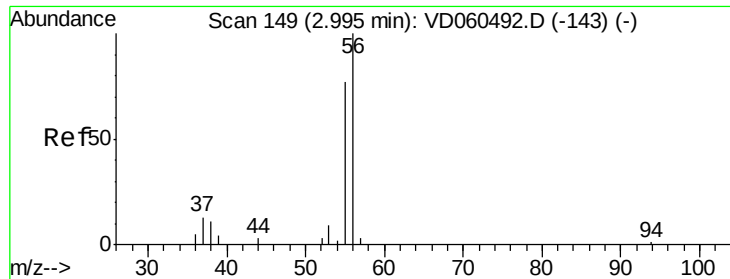


#12

1,1-Dichloroethene
Concen: 46.492 ug/l
RT: 3.09 min Scan# 159
Delta R.T. 0.00 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion: 96 Resp: 365102
Ion Ratio Lower Upper
96 100
61 174.9 143.0 214.4
98 65.6 53.4 80.0





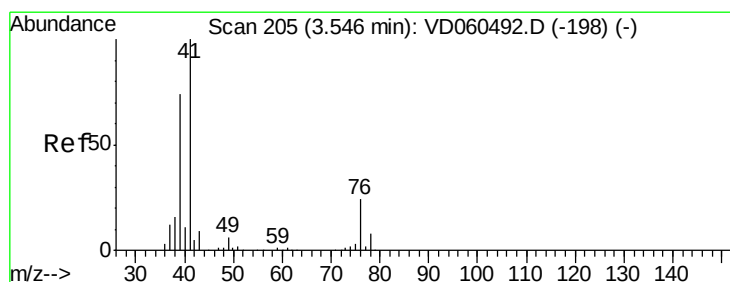
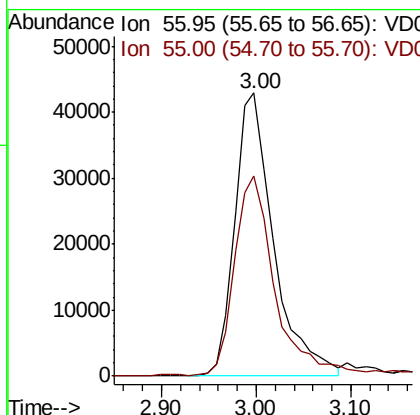
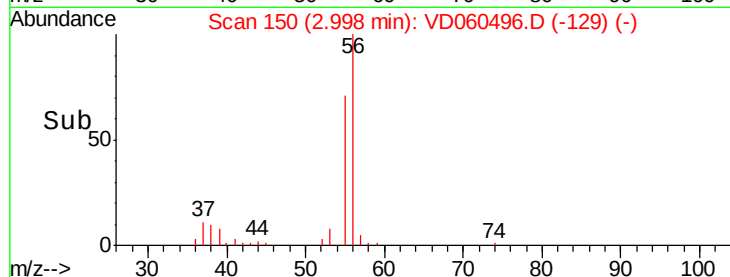
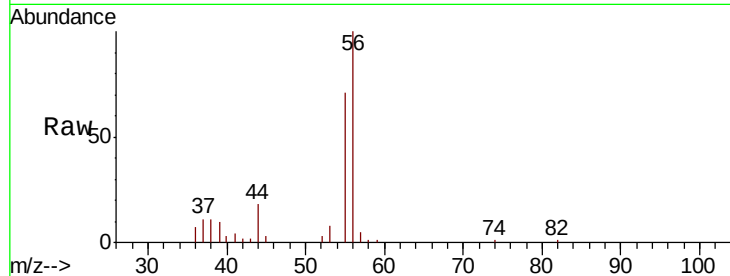
#13
Acrolein
Concen: 247.432 ug/l
RT: 3.00 min Scan# 150
Delta R.T. 0.00 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

Tgt Ion: 56 Resp: 122320
Ion Ratio Lower Upper
56 100
55 70.9 62.0 93.0

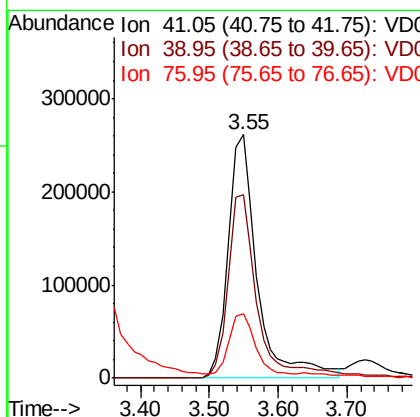
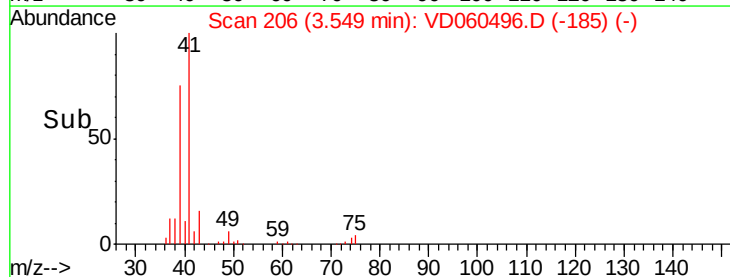
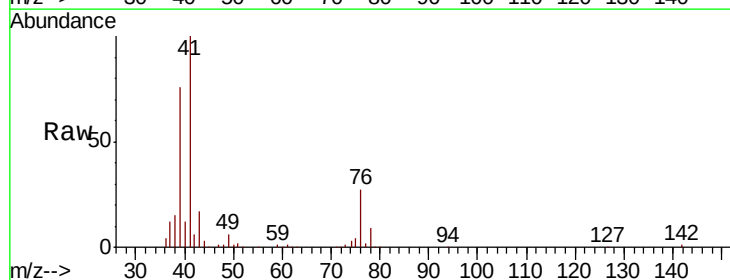
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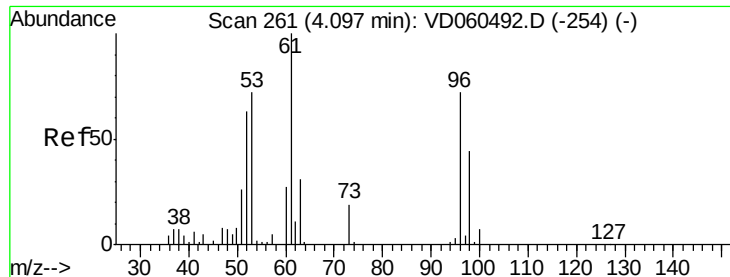
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#14
Allyl chloride
Concen: 50.968 ug/l
RT: 3.55 min Scan# 206
Delta R.T. 0.00 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion: 41 Resp: 759392
Ion Ratio Lower Upper
41 100
39 75.6 59.3 88.9
76 26.7 21.0 31.6





#15

Acrylonitrile

Concen: 276.186 ug/l

RT: 4.09 min Scan# 261

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

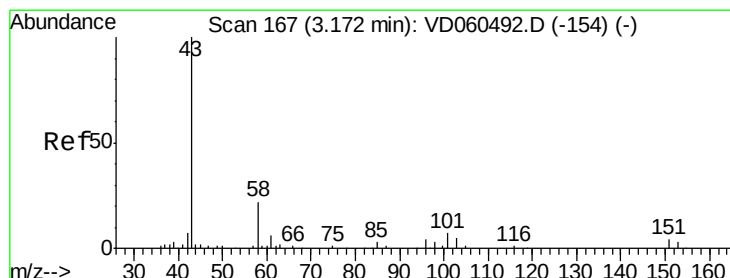
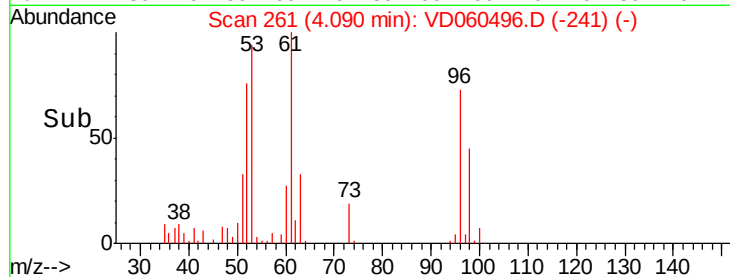
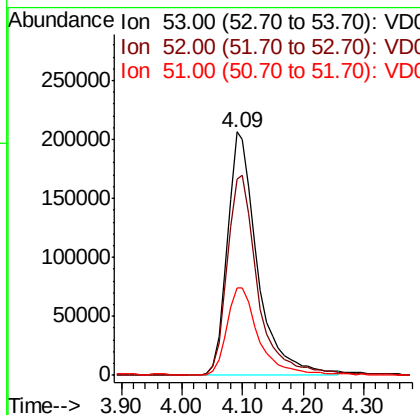
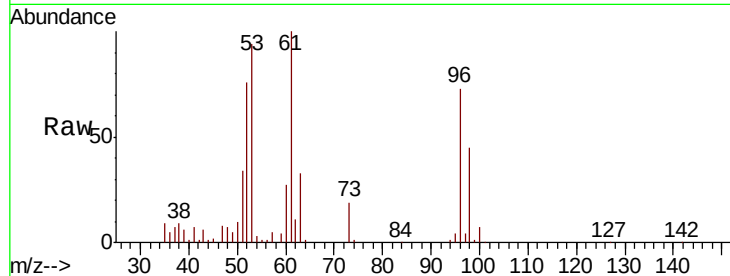
ClientSampleId :

ICVVD120518

Tgt Ion:	53	Resp:	709498
Ion Ratio	Lower	Upper	
53	100		
52	80.7	70.0	105.0
51	36.0	28.8	43.2

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#16

Acetone

Concen: 244.917 ug/l

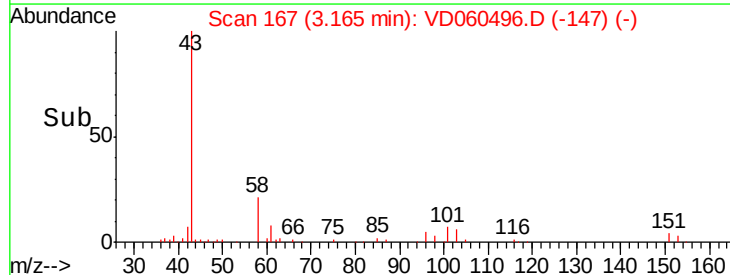
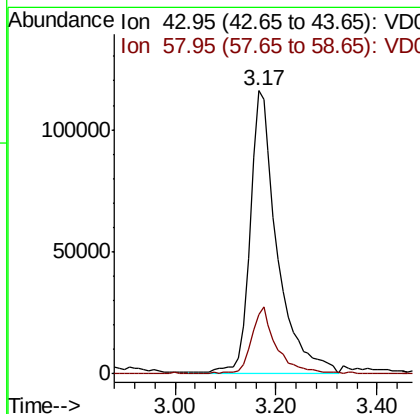
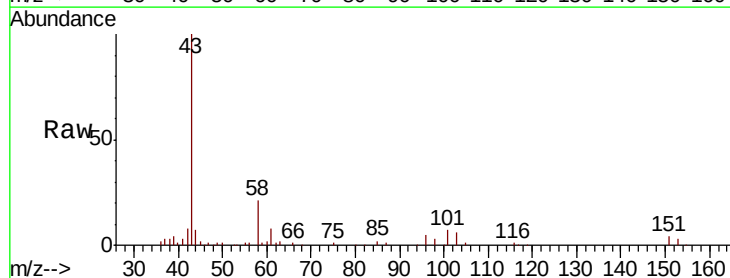
RT: 3.17 min Scan# 167

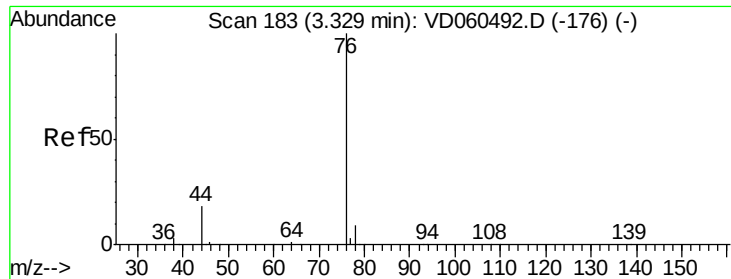
Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Tgt Ion:	43	Resp:	437181
Ion Ratio	Lower	Upper	
43	100		
58	21.1	17.3	25.9





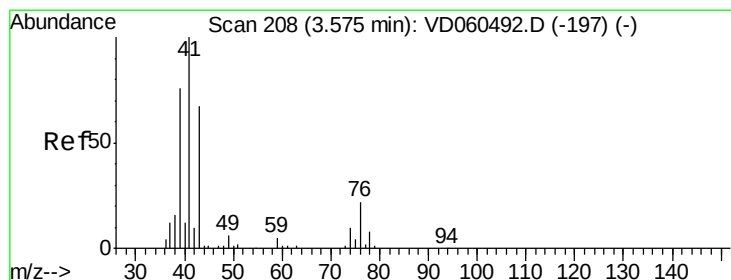
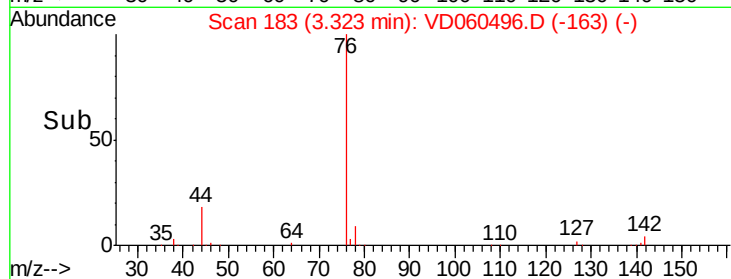
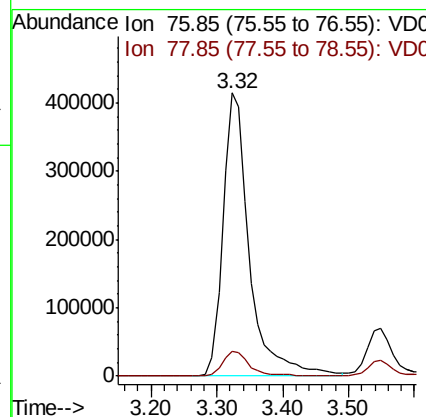
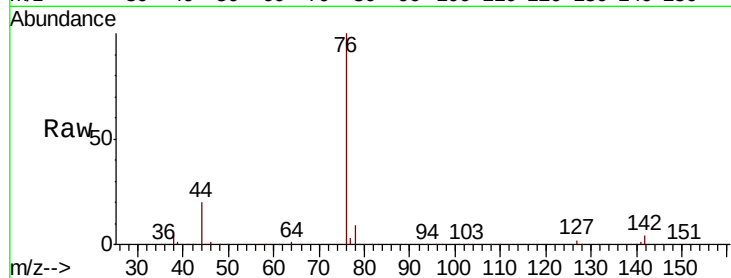
#17
Carbon Disulfide
Concen: 45.275 ug/l
RT: 3.32 min Scan# 183
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

Tgt Ion: 76 Resp: 1154906
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.6

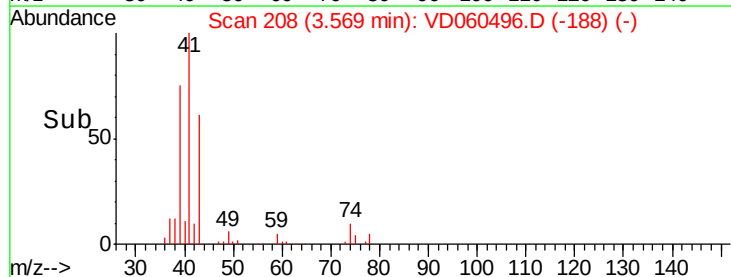
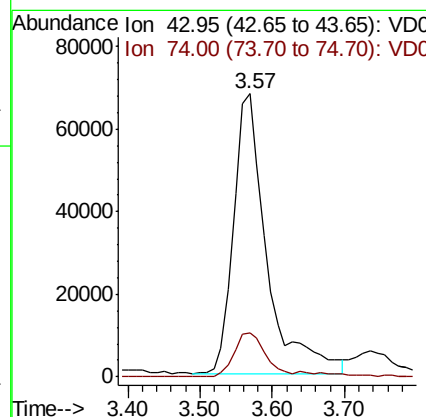
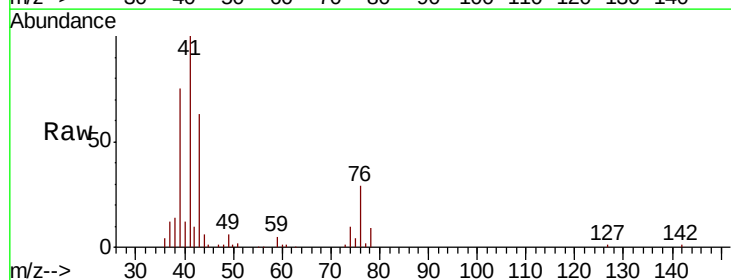
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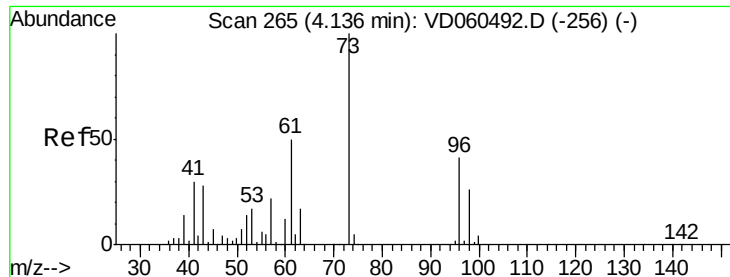
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#18
Methyl Acetate
Concen: 51.174 ug/l
RT: 3.57 min Scan# 208
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion: 43 Resp: 217099
Ion Ratio Lower Upper
43 100
74 15.6 12.0 18.0





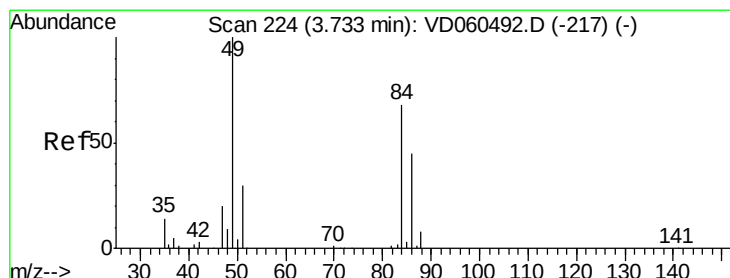
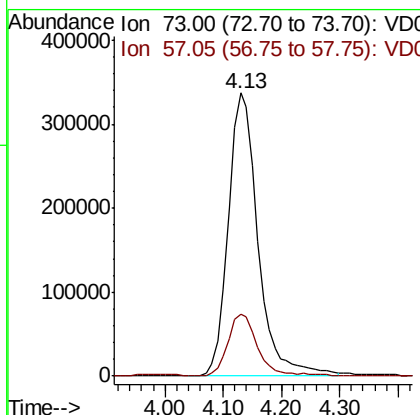
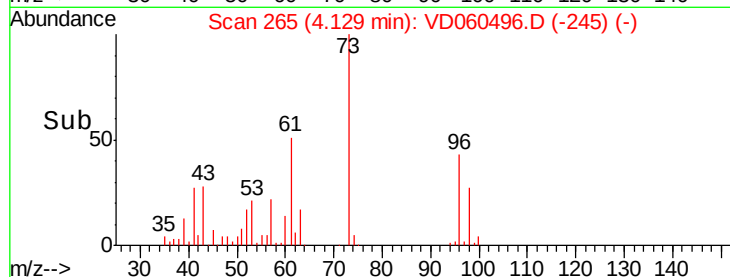
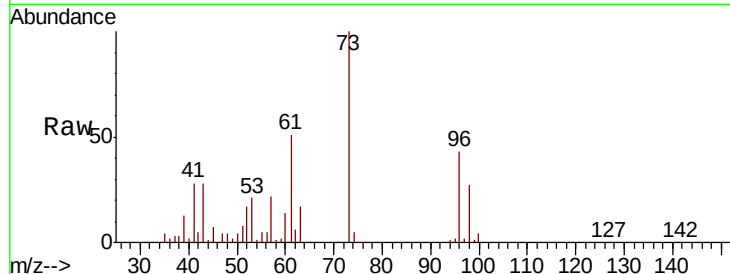
#19
Methyl tert-butyl Ether
Concen: 54.779 ug/l
RT: 4.13 min Scan# 265
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

Tgt Ion: 73 Resp: 1192962
Ion Ratio Lower Upper
73 100
57 22.1 17.8 26.6

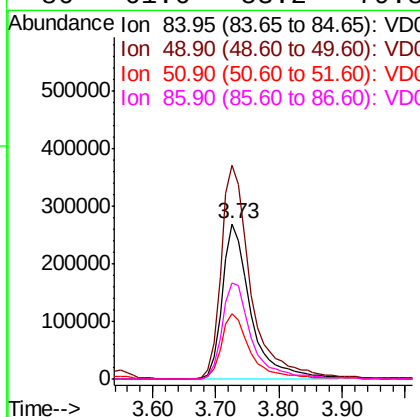
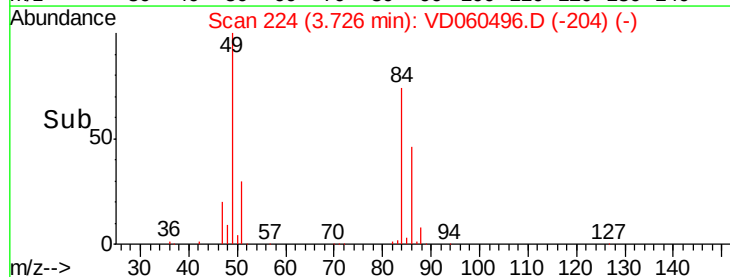
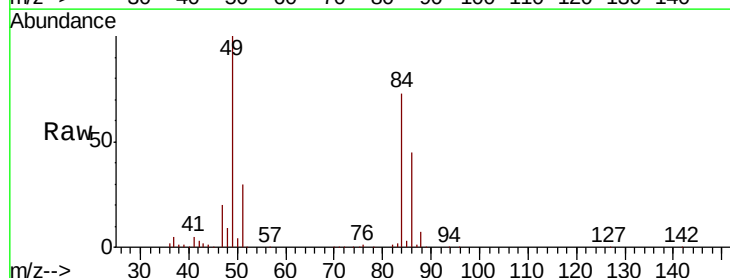
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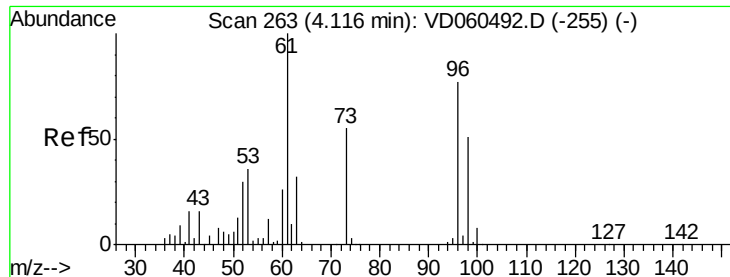
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#20
Methylene Chloride
Concen: 51.591 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion: 84 Resp: 843242
Ion Ratio Lower Upper
84 100
49 137.8 117.2 175.8
51 41.7 35.3 52.9
86 61.6 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 50.396 ug/l

RT: 4.11 min Scan# 263

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120518

Tgt Ion: 96 Resp: 860871

Ion Ratio Lower Upper

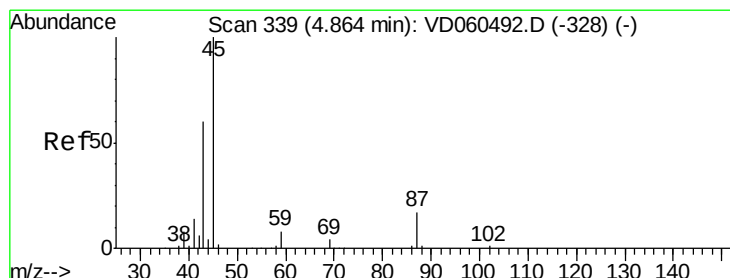
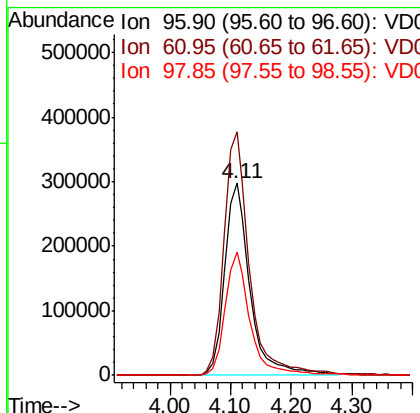
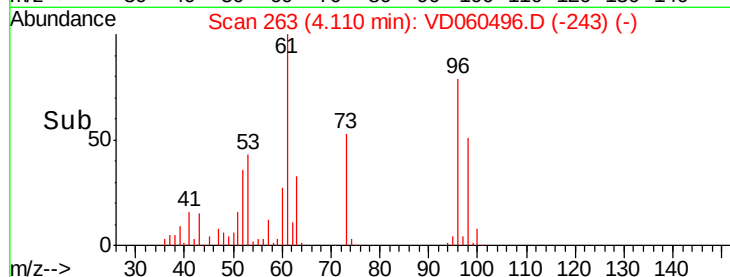
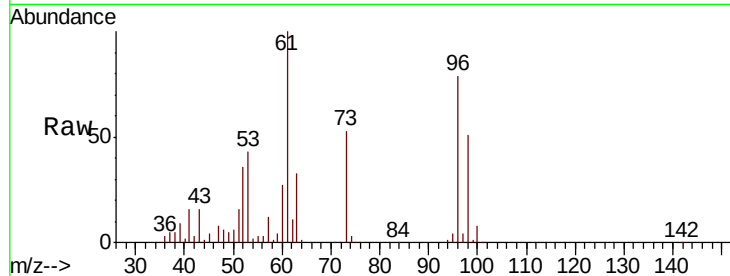
96 100

61 126.8 104.2 156.4

98 64.3 52.8 79.2

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#22

Diisopropyl ether

Concen: 50.939 ug/l

RT: 4.86 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Tgt Ion: 45 Resp: 2724991

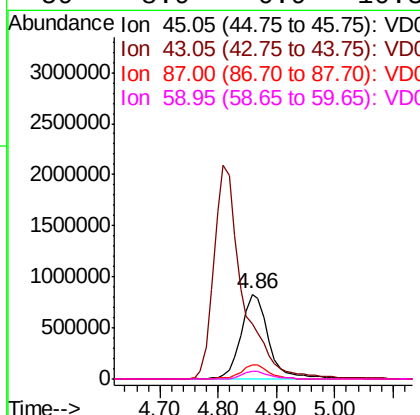
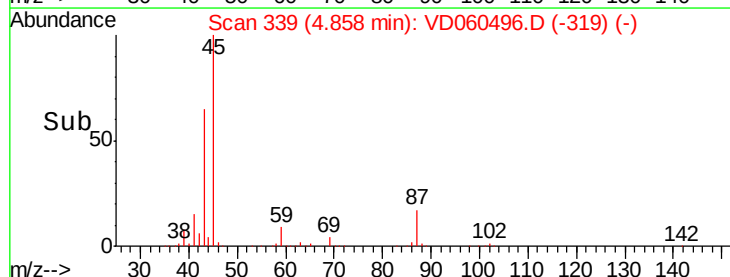
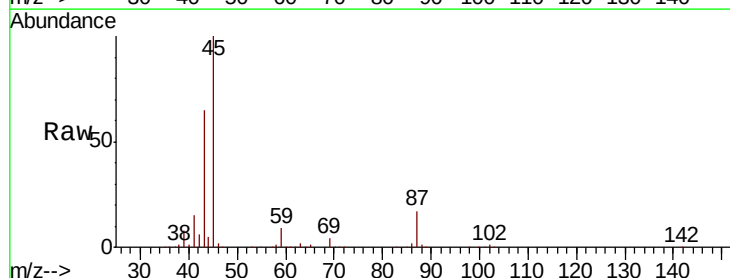
Ion Ratio Lower Upper

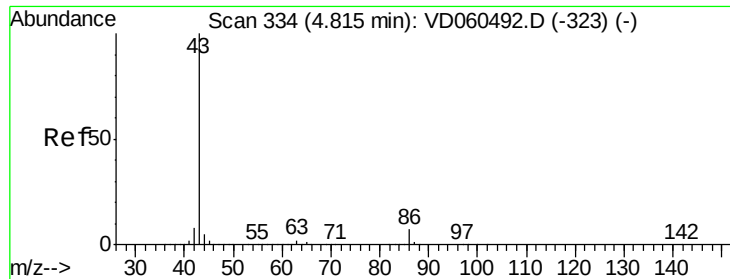
45 100

43 64.8 48.6 73.0

87 16.9 14.0 21.0

59 8.9 6.9 10.3





#23

Vinyl Acetate

Concen: 268.092 ug/l

RT: 4.81 min Scan# 334

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120518

Tgt Ion: 43 Resp: 7105607

Ion Ratio Lower Upper

43 100

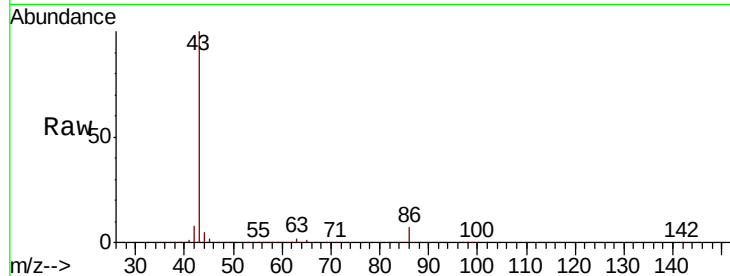
86 6.7 5.5 8.3

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

2500000

2000000

1500000

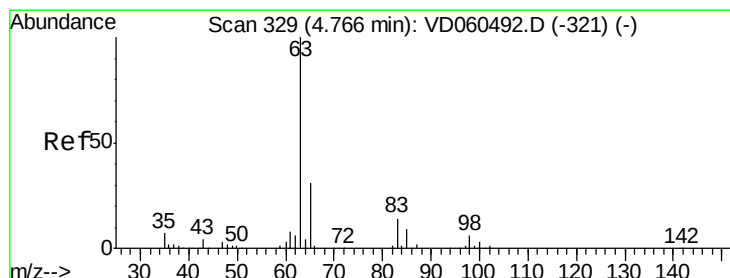
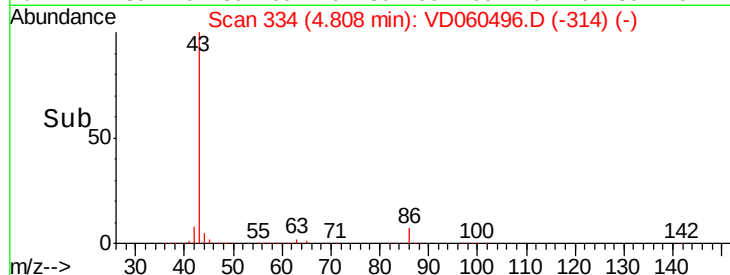
1000000

500000

0

4.60 4.70 4.80 4.90 5.00

Time-->



#24

1,1-Dichloroethane

Concen: 49.348 ug/l

RT: 4.76 min Scan# 329

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

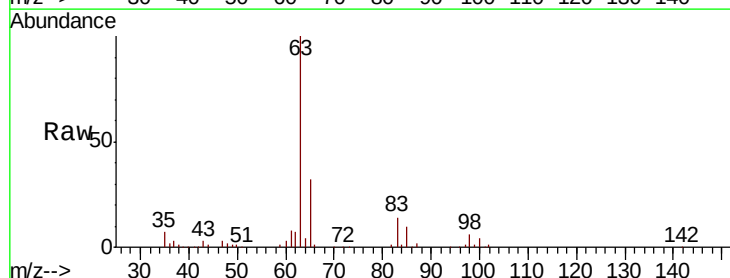
Tgt Ion: 63 Resp: 1371413

Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.3

100 3.6 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

600000

500000

400000

300000

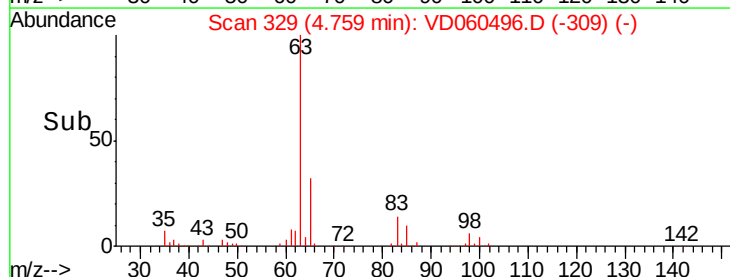
200000

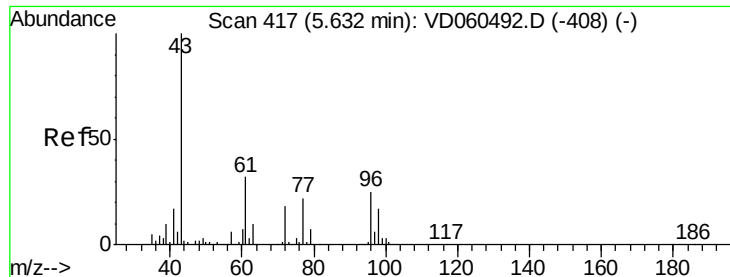
100000

0

4.60 4.70 4.80 4.90 5.00

Time-->





#25

2-Butanone

Concen: 287.679 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120518

Tgt Ion: 43 Resp: 1010288

Ion Ratio Lower Upper

43 100

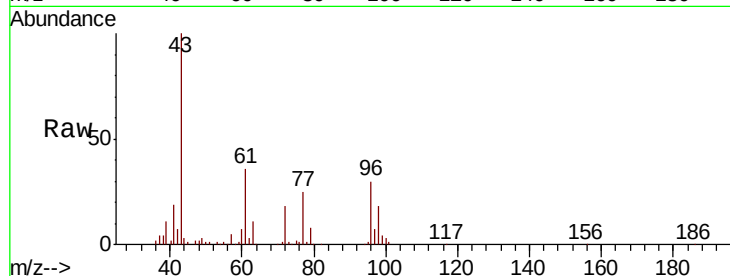
72 17.6 14.6 21.8

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

400000

300000

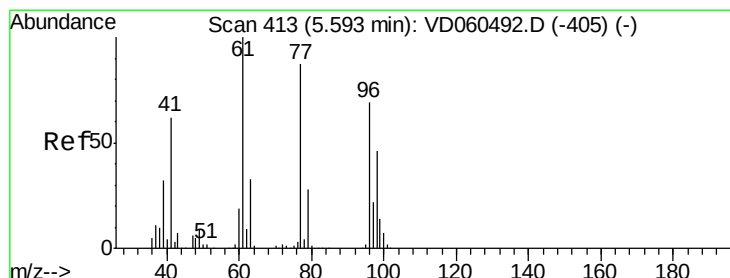
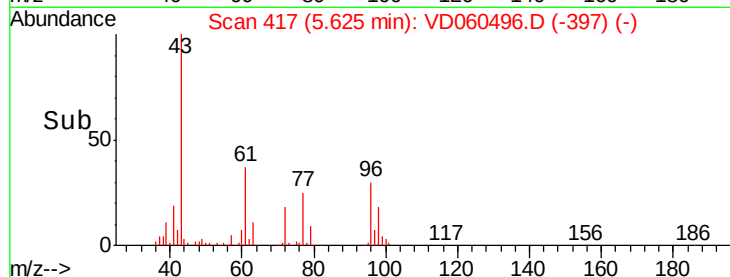
200000

100000

0

5.50 5.60 5.70

Time-->



#26

2,2-Dichloropropane

Concen: 48.006 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD060496.D

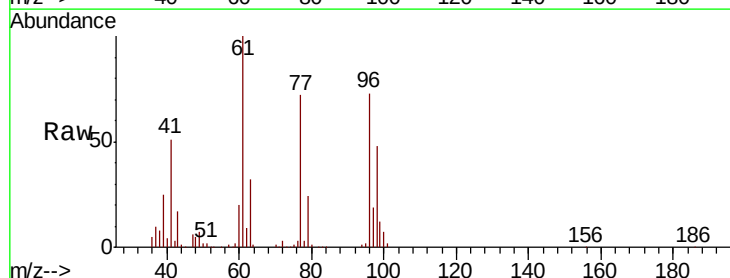
Acq: 5 Dec 2018 17:26

Tgt Ion: 77 Resp: 1030632

Ion Ratio Lower Upper

77 100

97 26.6 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

300000

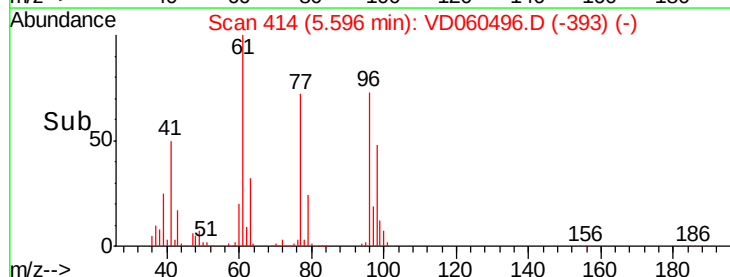
200000

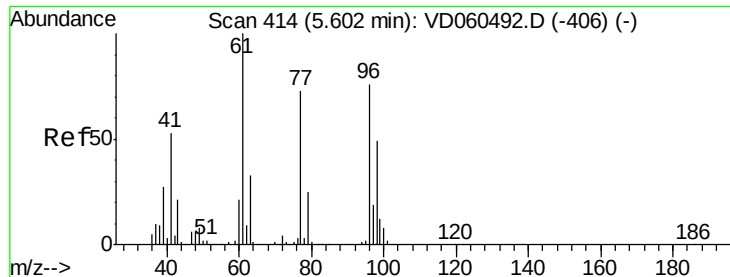
100000

0

5.40 5.50 5.60 5.70 5.80

Time-->





#27

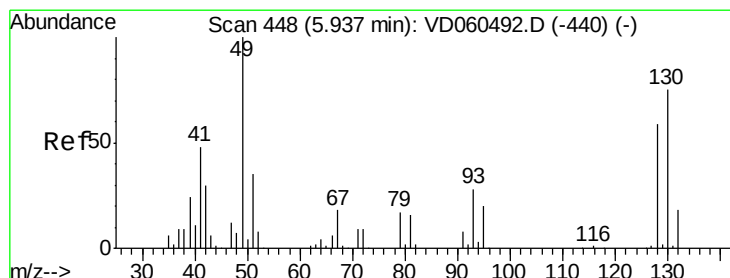
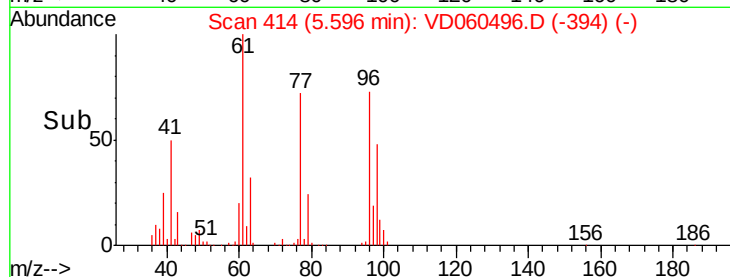
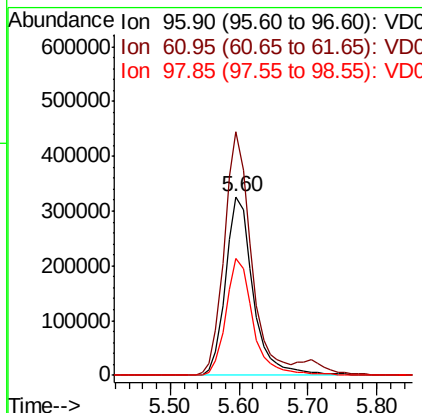
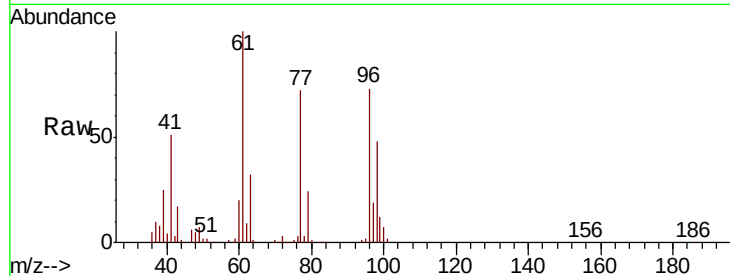
cis-1,2-Dichloroethene
Concen: 51.834 ug/l
RT: 5.60 min Scan# 414
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	900288		
61	136.1	0.0	263.6	
98	65.0	0.0	128.2	

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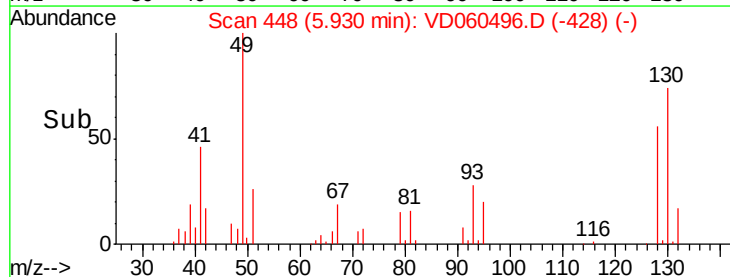
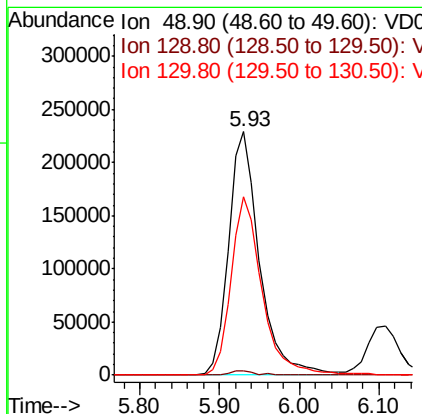
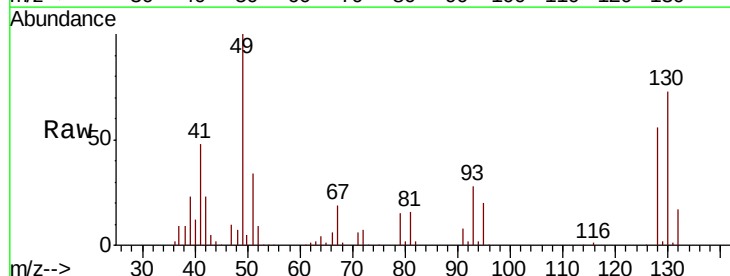
apatel
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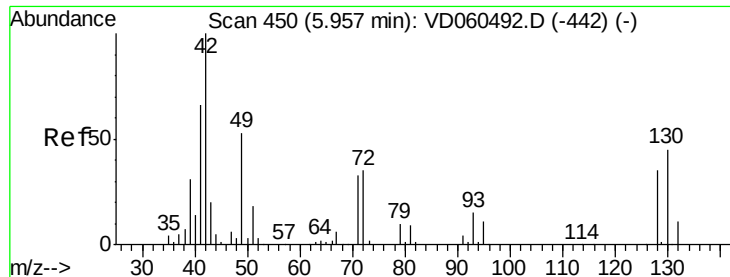


#28

Bromochloromethane
Concen: 50.209 ug/l
RT: 5.93 min Scan# 448
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	618119		
129	1.8	0.0	3.4	
130	73.4	59.8	89.6	





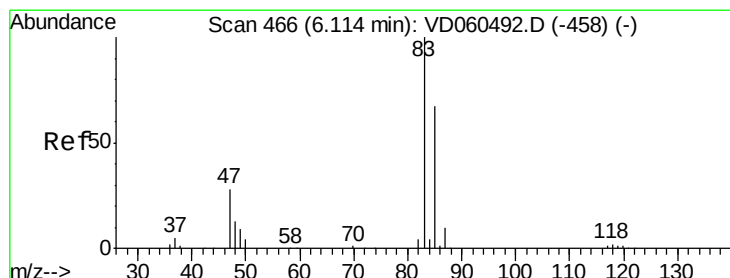
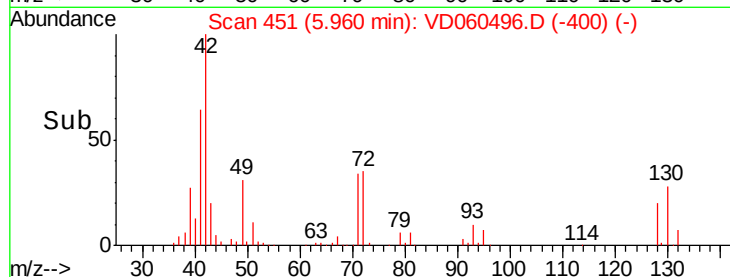
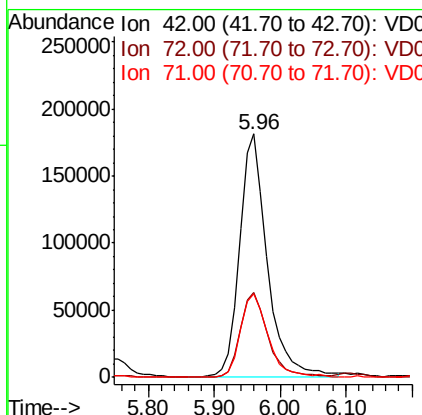
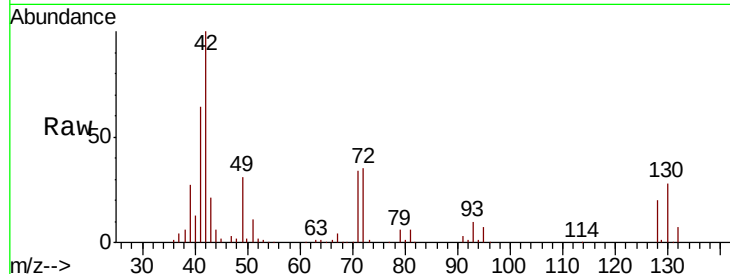
#29
Tetrahydrofuran
Concen: 268.314 ug/l
RT: 5.96 min Scan# 451
Delta R.T. 0.00 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

Tgt Ion	Ratio	Lower	Upper
42	100		
72	35.1	28.0	42.0
71	35.0	27.2	40.8

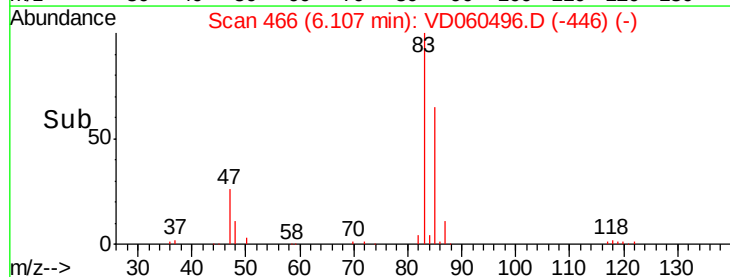
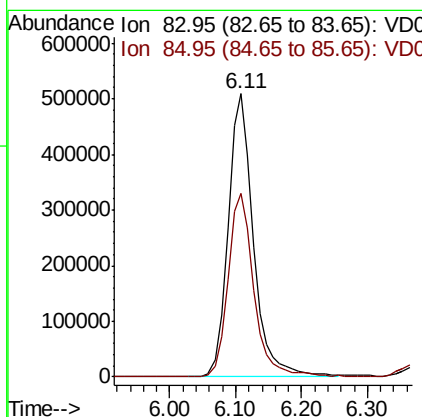
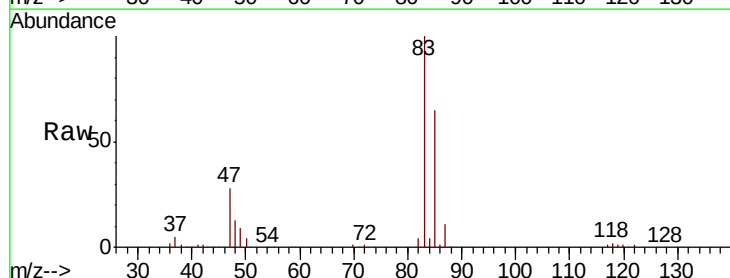
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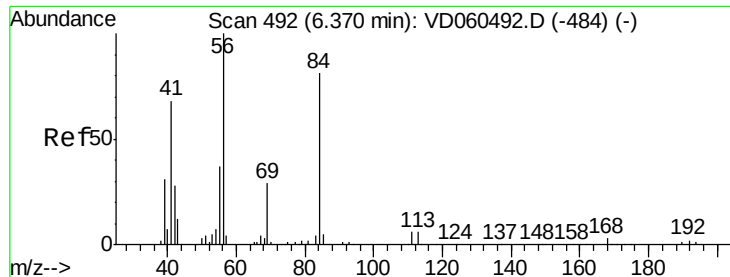
apatel
12/6/2018 10:54:10 AM



#30
Chloroform
Concen: 48.862 ug/l
RT: 6.11 min Scan# 466
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.4	80.2





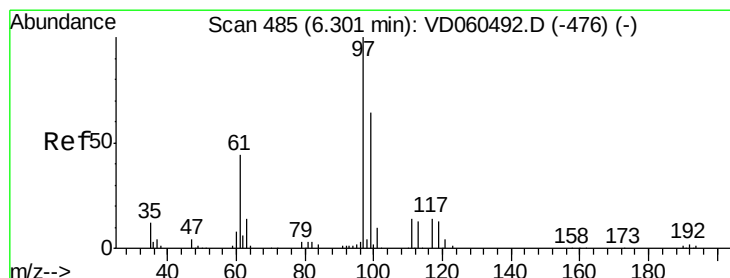
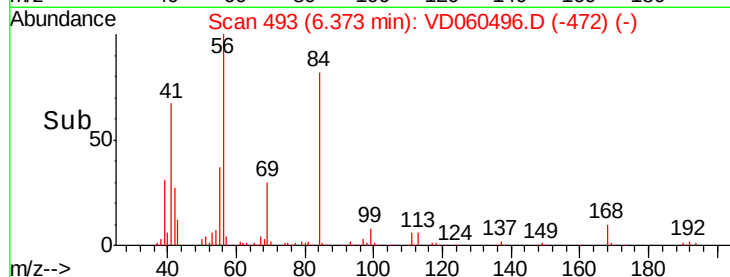
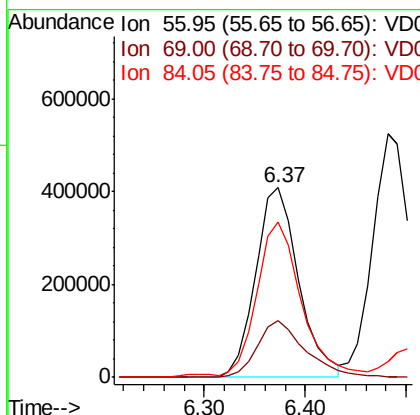
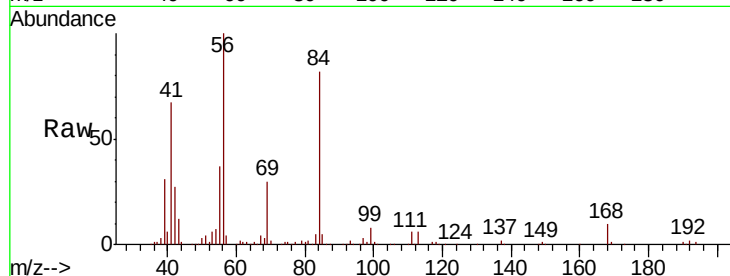
#31
Cyclohexane
Concen: 50.925 ug/l
RT: 6.37 min Scan# 493
Delta R.T. 0.00 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

Tgt Ion: 56 Resp: 1208523
Ion Ratio Lower Upper
56 100
69 29.7 22.8 34.2
84 82.0 65.1 97.7

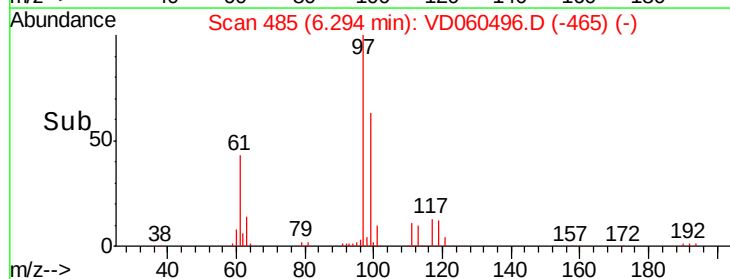
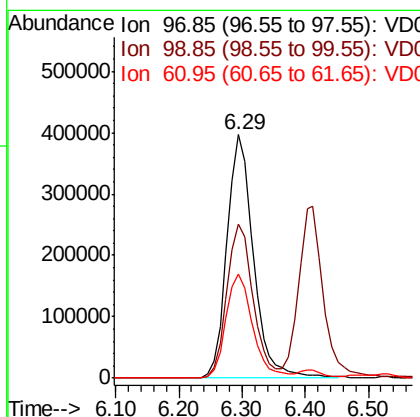
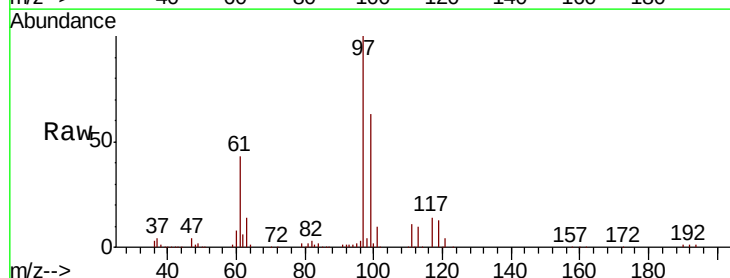
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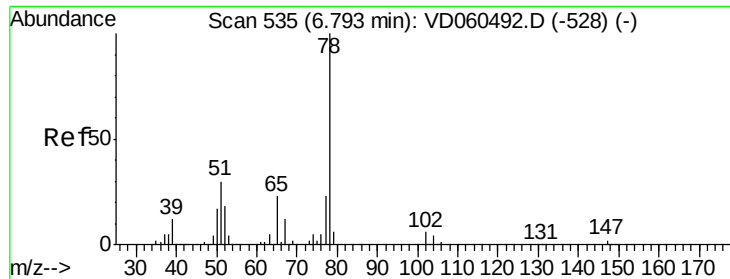
apatel
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#32
1,1,1-Trichloroethane
Concen: 50.071 ug/l
RT: 6.29 min Scan# 485
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion: 97 Resp: 1152483
Ion Ratio Lower Upper
97 100
99 63.1 51.0 76.4
61 42.6 35.3 52.9





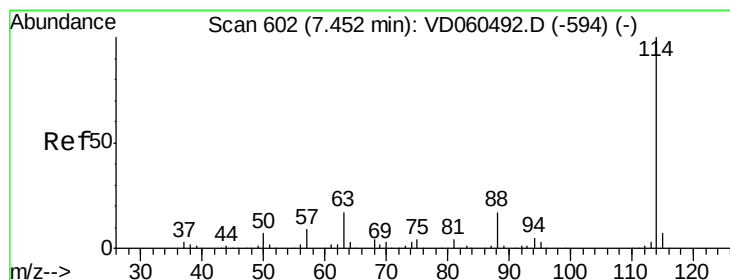
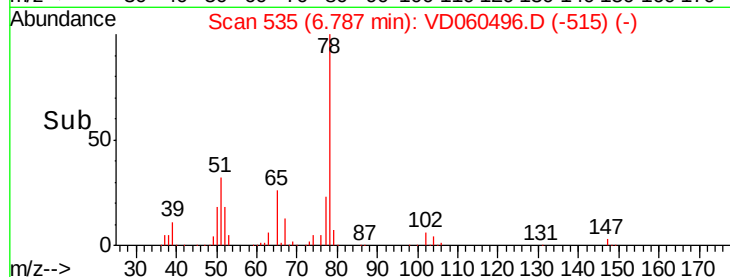
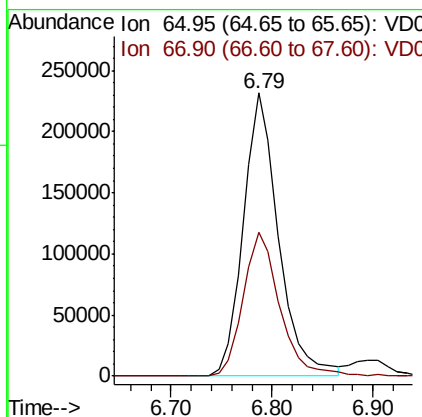
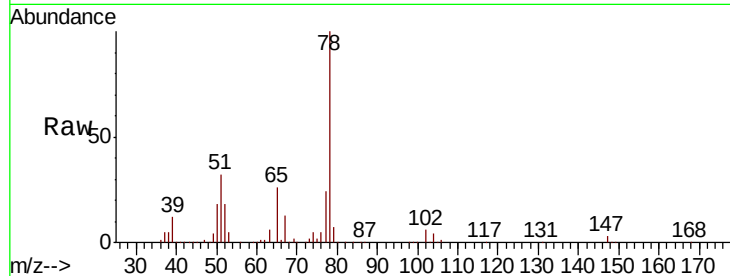
#33
 1,2-Dichloroethane-d4
 Concen: 50.071 ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VD060496.D
 Acq: 5 Dec 2018 17:26

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD120518

Tgt Ion: 65 Resp: 561738
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 106.8

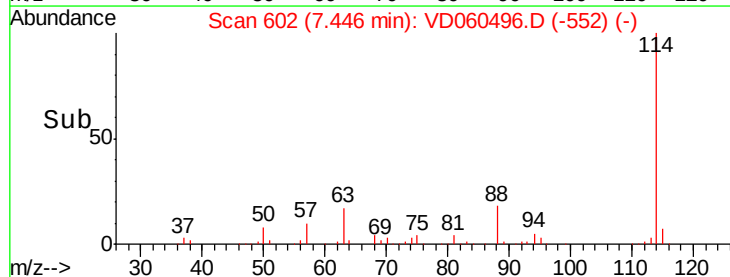
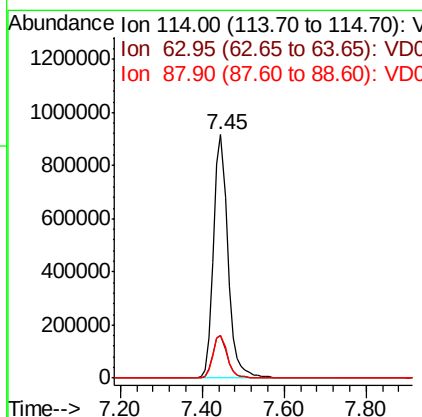
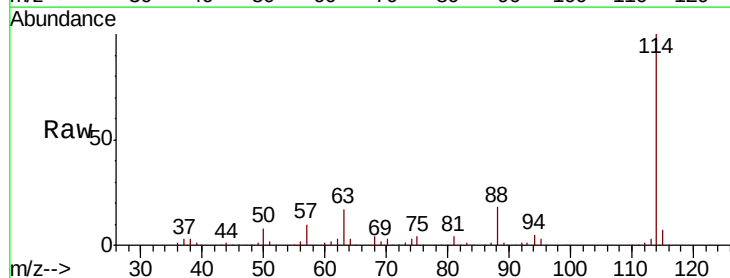
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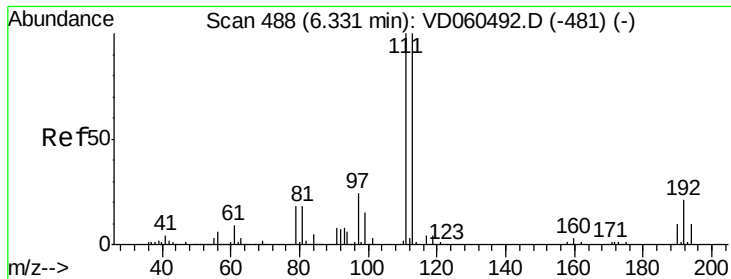
apatel
 12/6/2018 10:54:10 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VD060496.D
 Acq: 5 Dec 2018 17:26

Tgt Ion: 114 Resp: 2217629
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 34.2
 88 17.7 0.0 35.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 488

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

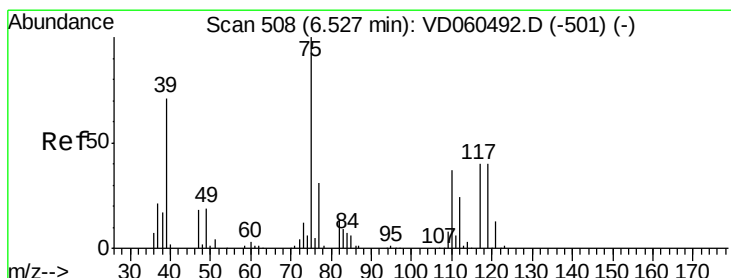
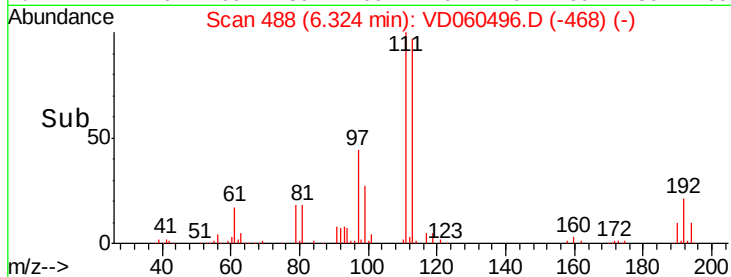
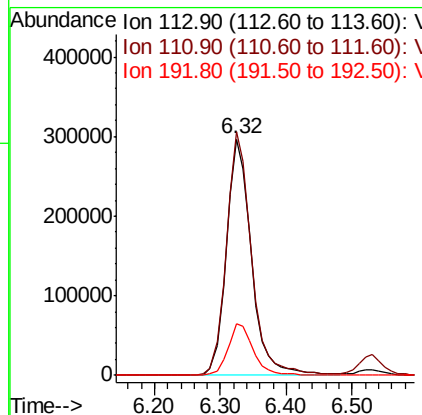
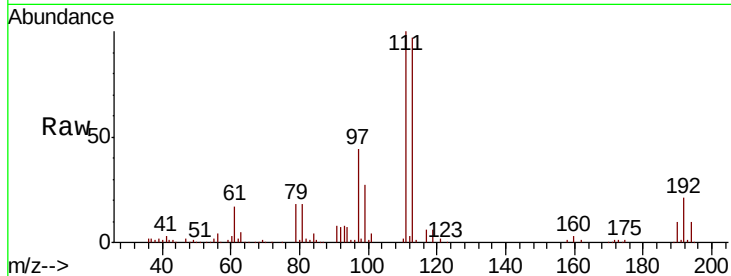
ClientSampleId :

ICVVD120518

Tgt Ion:	113	Resp:	792771
Ion Ratio	Lower	Upper	
113	100		
111	103.1	80.2	120.4
192	21.8	16.6	24.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 46.390 ug/l

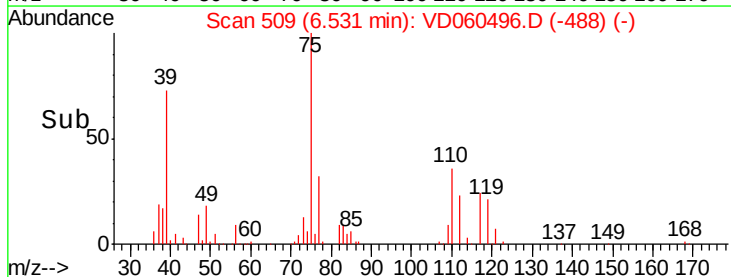
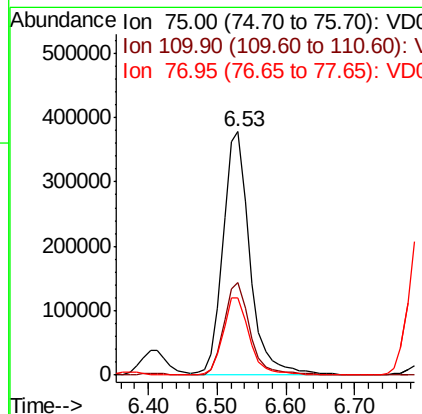
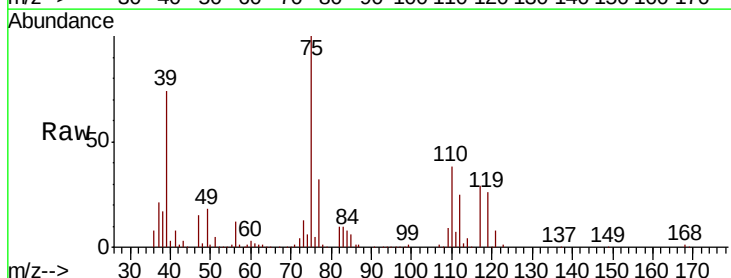
RT: 6.53 min Scan# 509

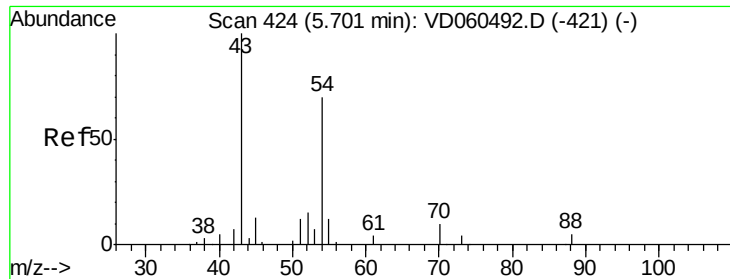
Delta R.T. 0.00 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Tgt Ion:	75	Resp:	1005577
Ion Ratio	Lower	Upper	
75	100		
110	38.0	18.3	54.8
77	31.6	24.6	37.0





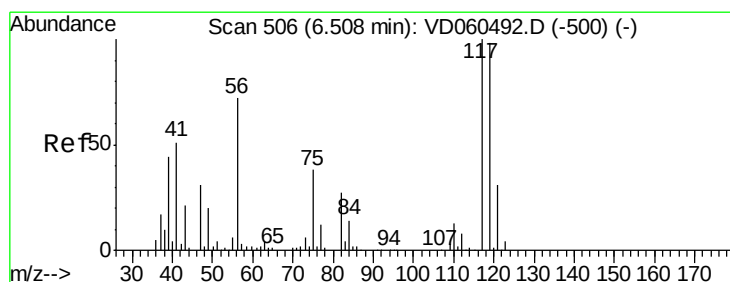
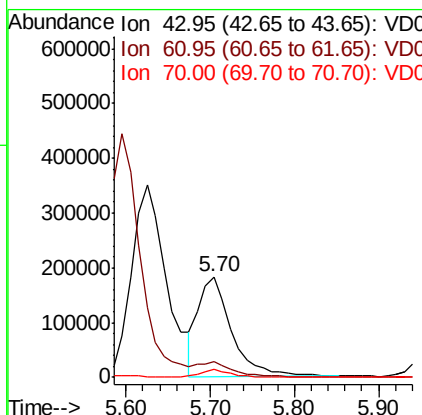
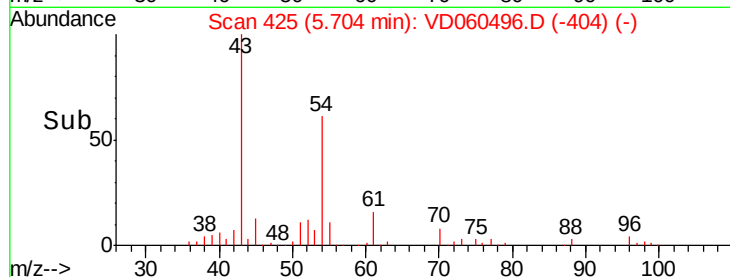
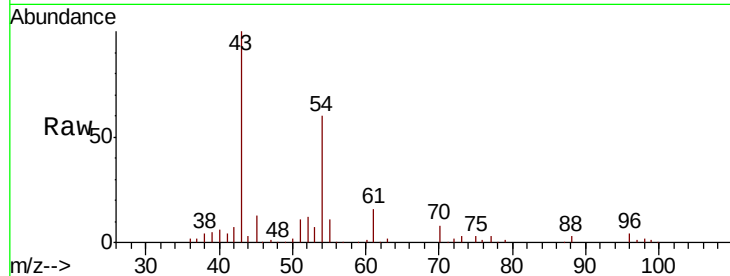
#37
Ethyl Acetate
Concen: 52.528 ug/l
RT: 5.70 min Scan# 425
Delta R.T. 0.00 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.4	18.6
70	7.9	5.4	8.0

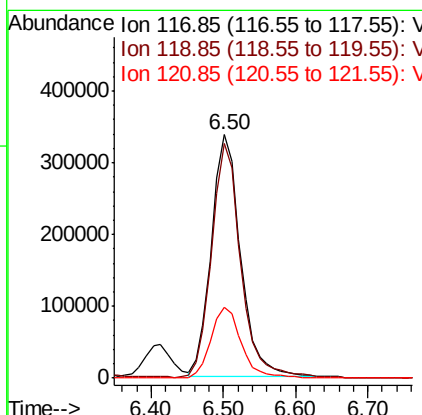
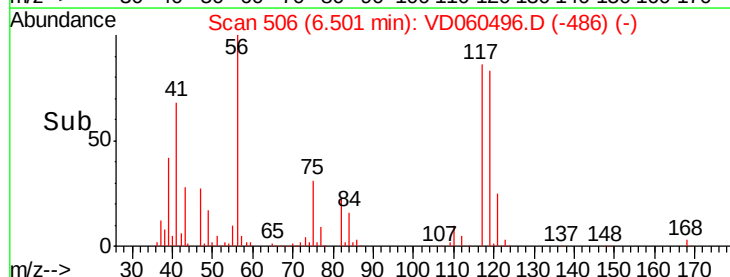
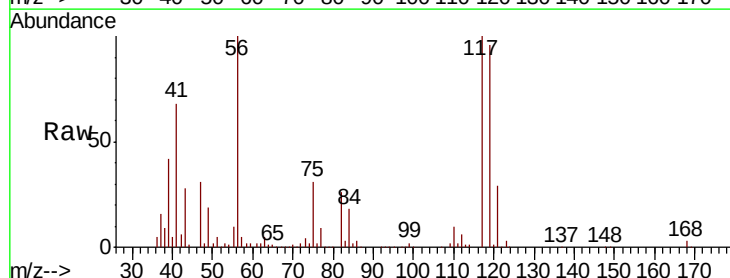
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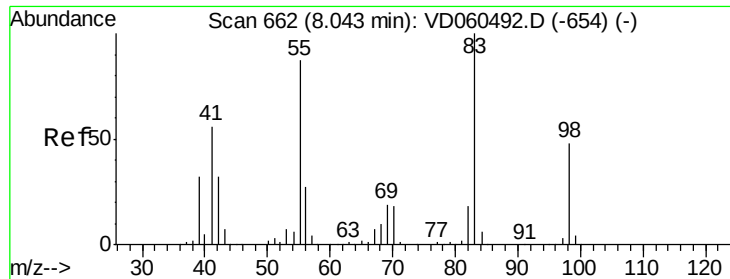
apatel
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#38
Carbon Tetrachloride
Concen: 48.648 ug/l
RT: 6.50 min Scan# 506
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.8	115.2
121	29.3	24.4	36.6





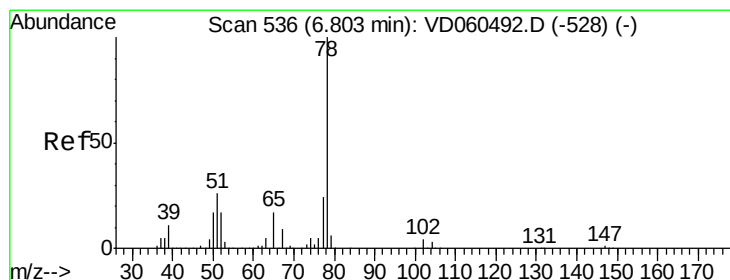
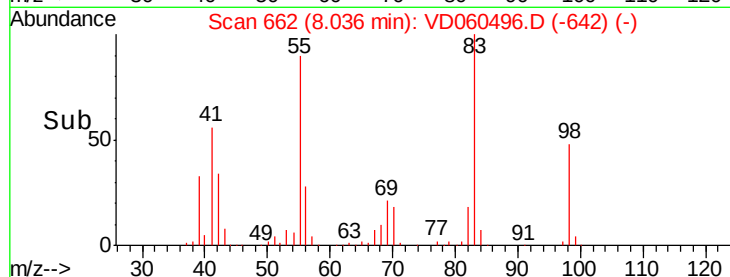
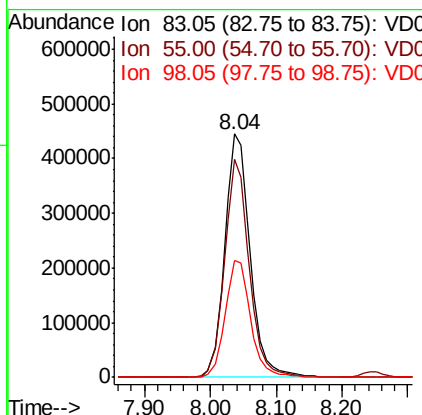
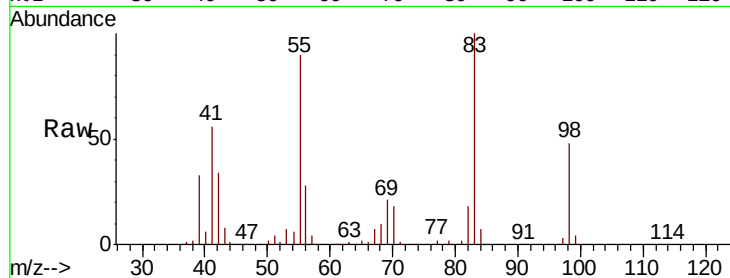
#39
Methylcyclohexane
Concen: 48.392 ug/l
RT: 8.04 min Scan# 662
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

Tgt Ion: 83 Resp: 1195828
Ion Ratio Lower Upper
83 100
55 89.7 69.8 104.8
98 47.9 38.4 57.6

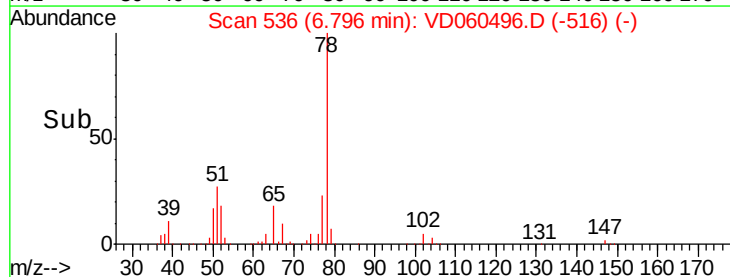
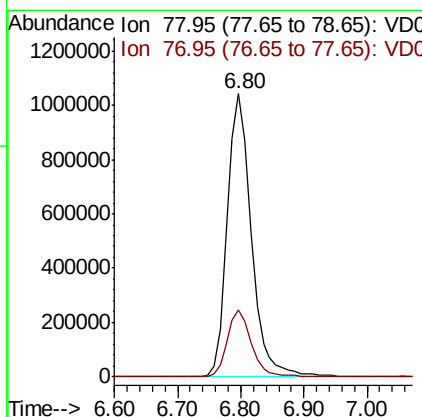
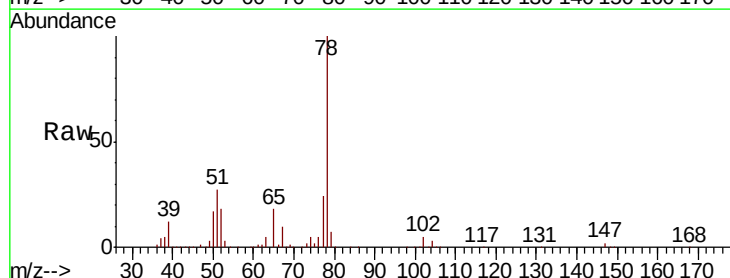
Manual Integrations
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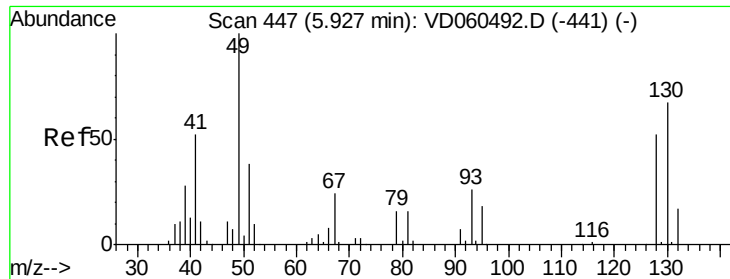
apatel
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#40
Benzene
Concen: 49.624 ug/l
RT: 6.80 min Scan# 536
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion: 78 Resp: 2749122
Ion Ratio Lower Upper
78 100
77 23.7 18.9 28.3





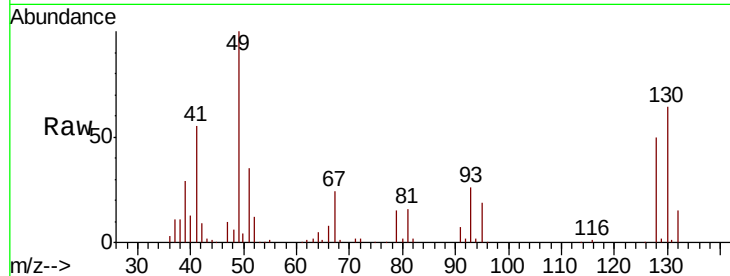
#41
Methacrylonitrile
Concen: 46.052 ug/l m
RT: 5.92 min Scan# 447
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

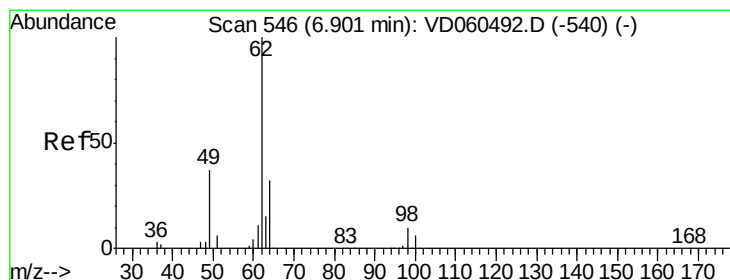
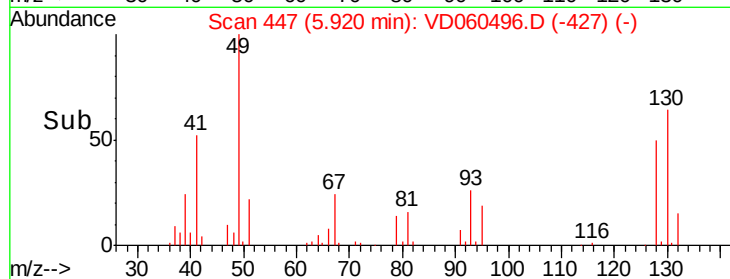
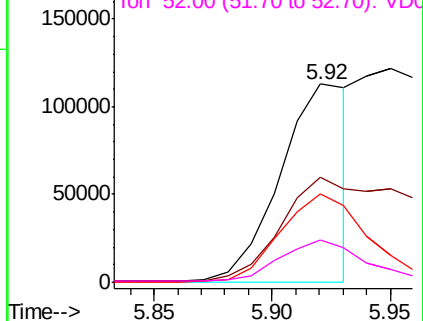
Tgt Ion	Ratio	Lower	Upper
41	100		
39	53.3	42.6	63.8
67	44.4	36.2	54.4
52	21.6	15.6	23.4

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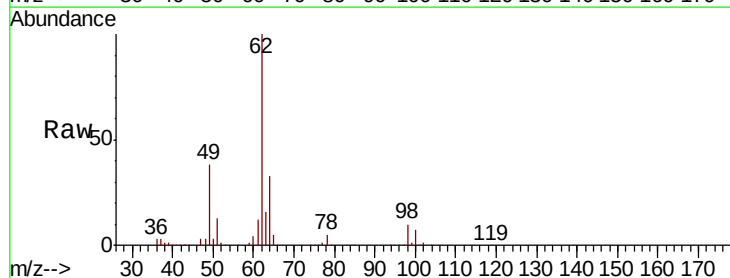


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

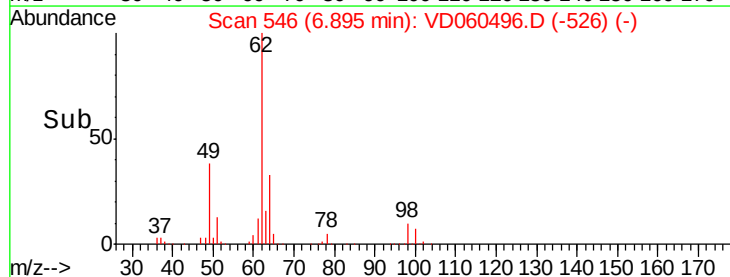
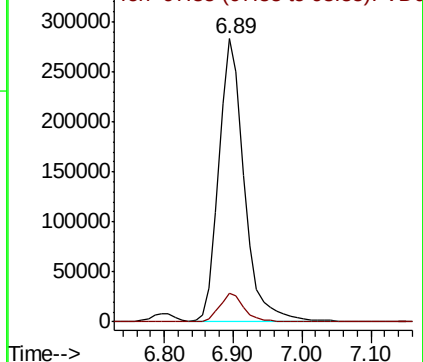


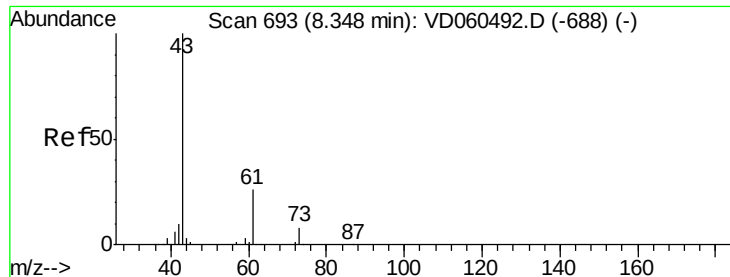
#42
1,2-Dichloroethane
Concen: 50.940 ug/l
RT: 6.89 min Scan# 546
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.2



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 56.067 ug/l

RT: 8.35 min Scan# 694

Delta R.T. 0.00 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

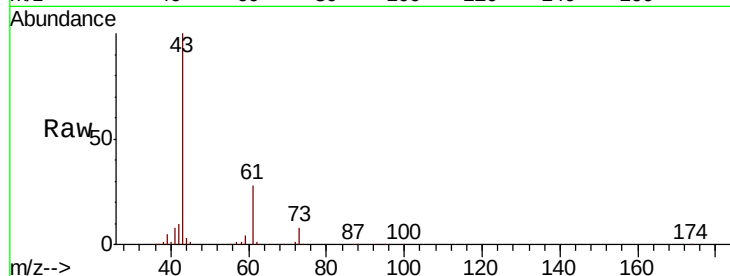
ClientSampleId :

ICVVD120518

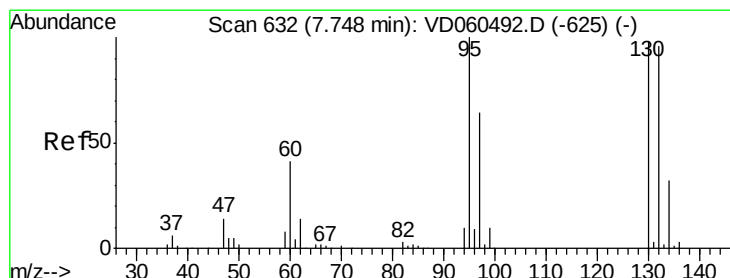
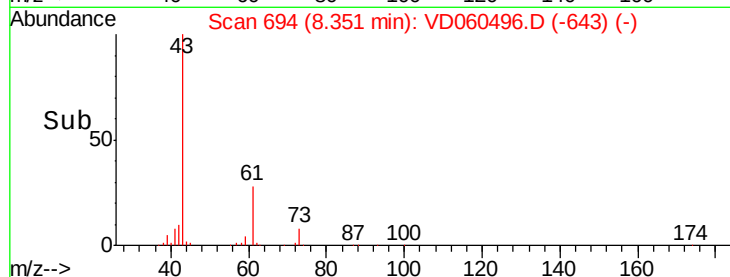
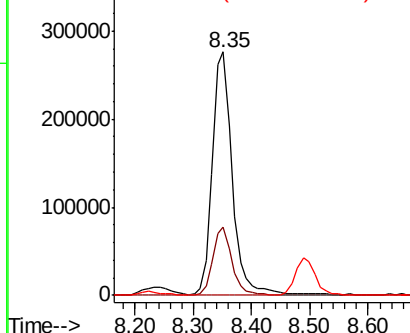
Tgt Ion:	43	Resp:	650642
Ion	Ratio	Lower	Upper
43	100		
61	28.3	21.0	31.4
87	0.3	0.2	0.2#

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Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 50.302 ug/l

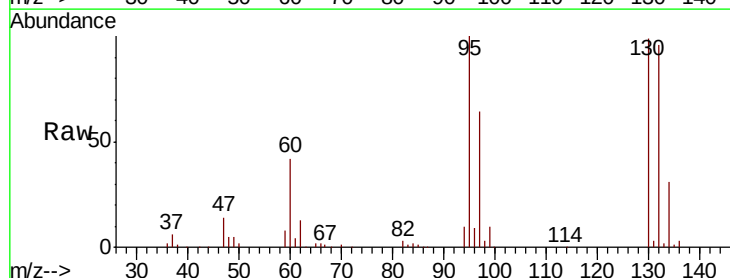
RT: 7.74 min Scan# 632

Delta R.T. -0.01 min

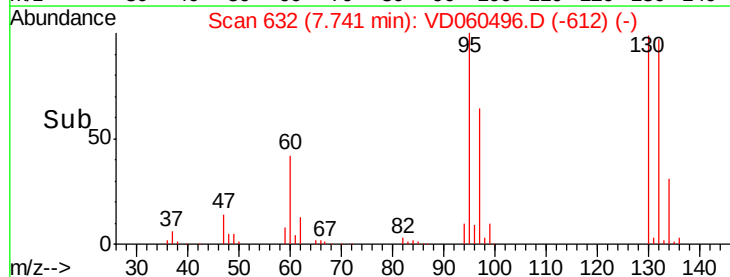
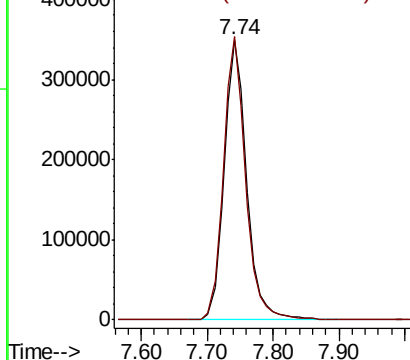
Lab File: VD060496.D

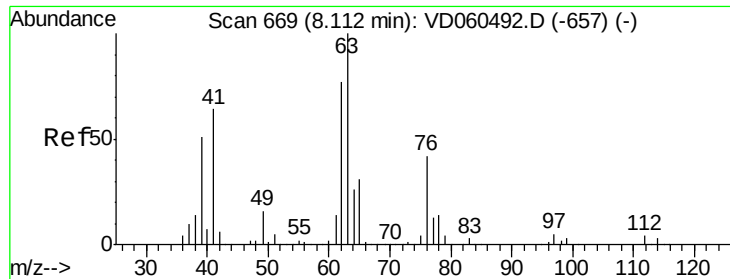
Acq: 5 Dec 2018 17:26

Tgt Ion:	130	Resp:	832813
Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	203.8



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





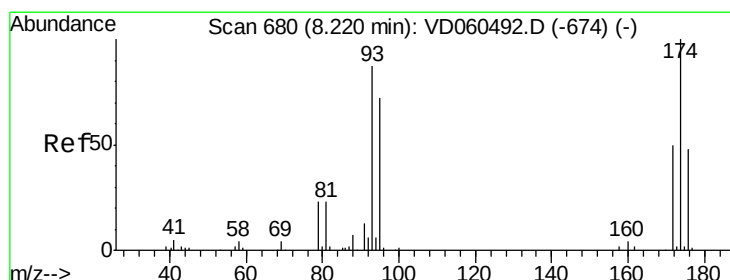
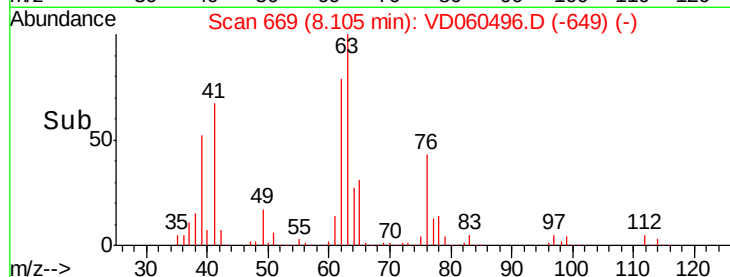
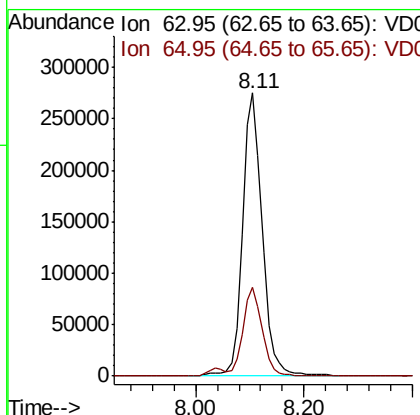
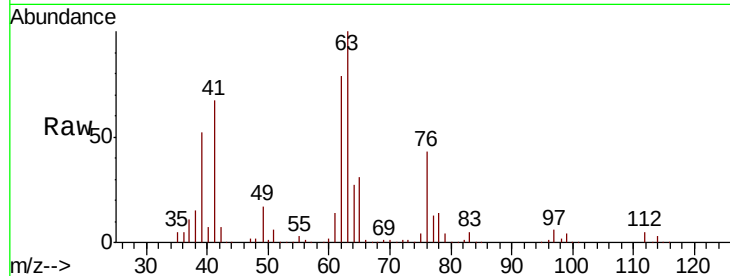
#45
 1,2-Dichloropropane
 Concen: 50.650 ug/l
 RT: 8.11 min Scan# 669
 Delta R.T. -0.01 min
 Lab File: VD060496.D
 Acq: 5 Dec 2018 17:26

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD120518

Tgt Ion: 63 Resp: 693984
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.6 37.0

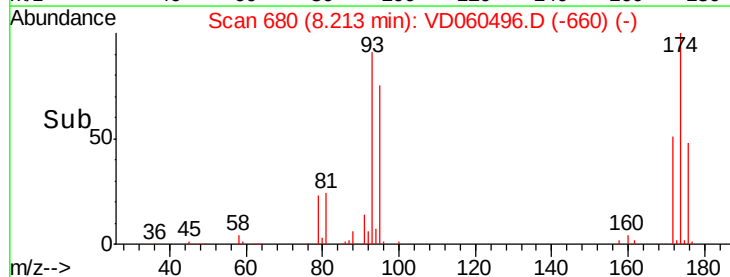
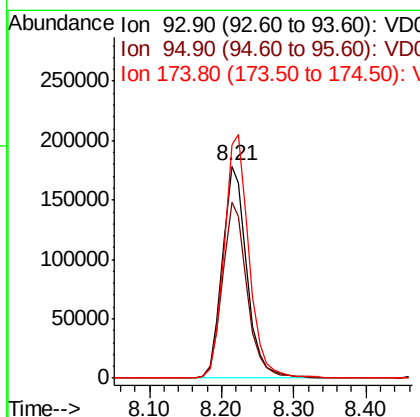
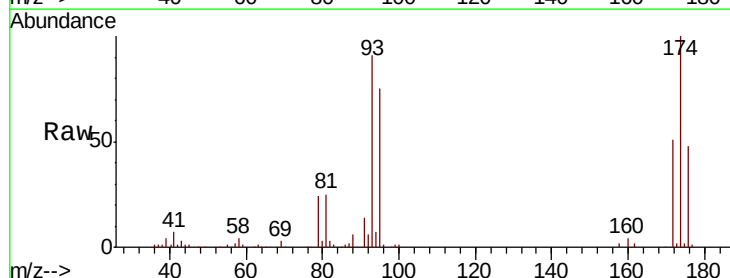
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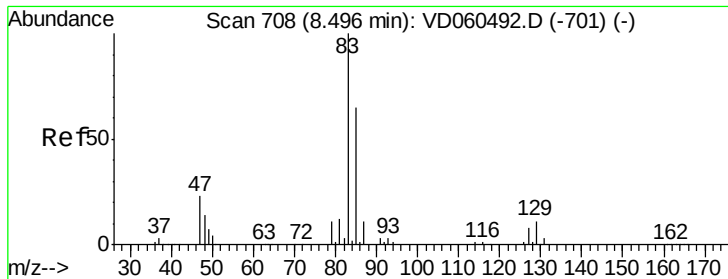
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#46
 Dibromomethane
 Concen: 52.868 ug/l
 RT: 8.21 min Scan# 680
 Delta R.T. -0.01 min
 Lab File: VD060496.D
 Acq: 5 Dec 2018 17:26

Tgt Ion: 93 Resp: 418524
 Ion Ratio Lower Upper
 93 100
 95 82.6 65.6 98.4
 174 109.8 91.7 137.5





#47

Bromodichloromethane

Concen: 51.857 ug/l

RT: 8.49 min Scan# 708

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

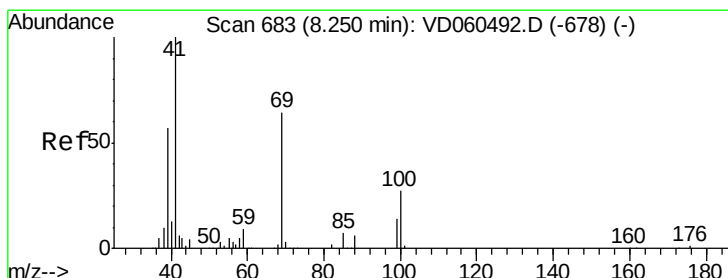
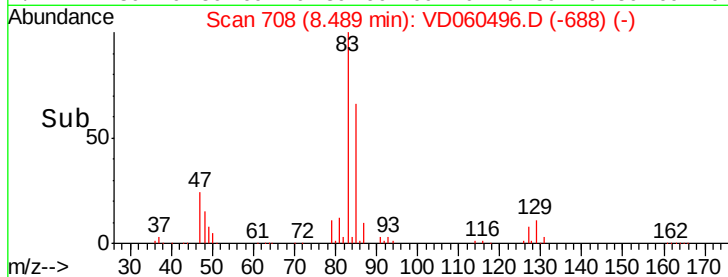
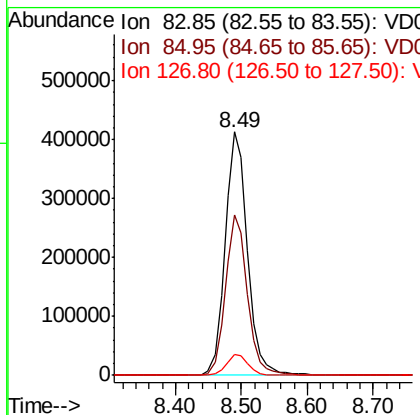
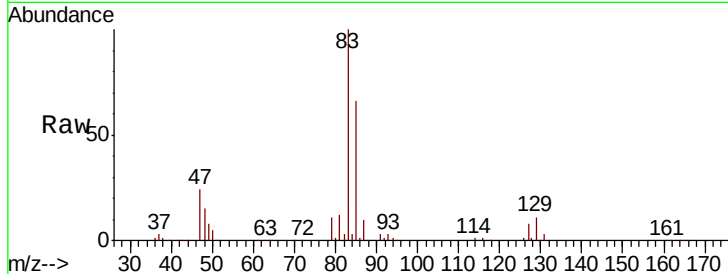
ClientSampleId :

ICVVD120518

Tgt Ion:	83	Resp:	974064
Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.2	78.4
127	8.4	6.7	10.1

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#48

Methyl methacrylate

Concen: 56.510 ug/l

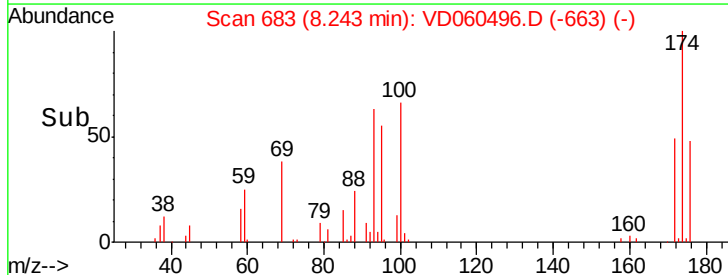
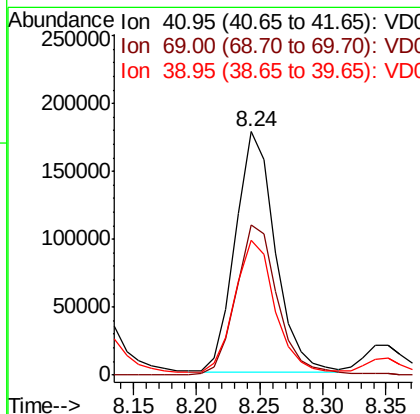
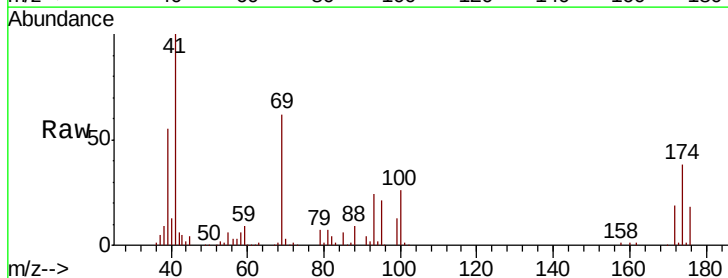
RT: 8.24 min Scan# 683

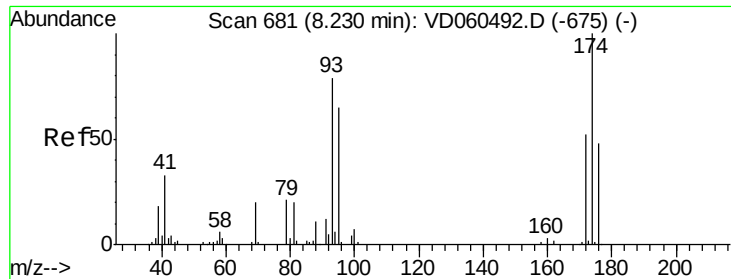
Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Tgt Ion:	41	Resp:	388027
Ion	Ratio	Lower	Upper
41	100		
69	61.5	50.2	75.4
39	55.2	46.1	69.1





#49

1,4-Dioxane

Concen: 1195.989 ug/l

RT: 8.22 min Scan# 681

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

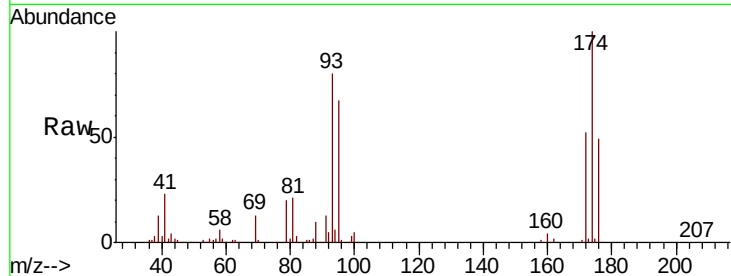
ClientSampleId :

ICVVD120518

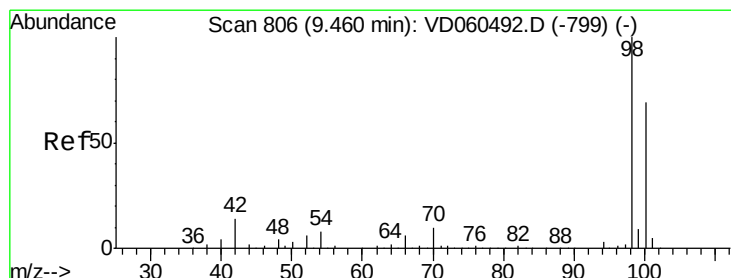
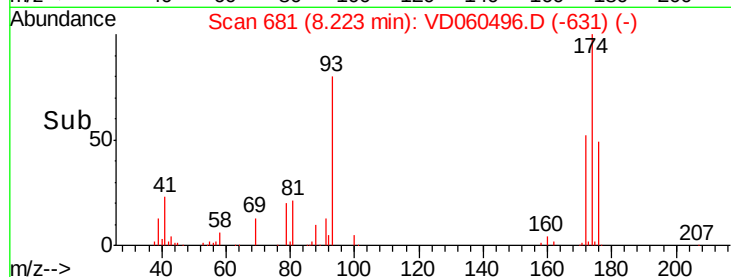
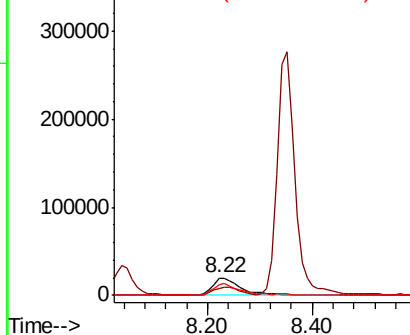
Tgt Ion:	88	Resp:	74430
Ion	Ratio	Lower	Upper
88	100		
43	40.3	32.9	49.3
58	62.6	47.7	71.5

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Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 1195.989 ug/l

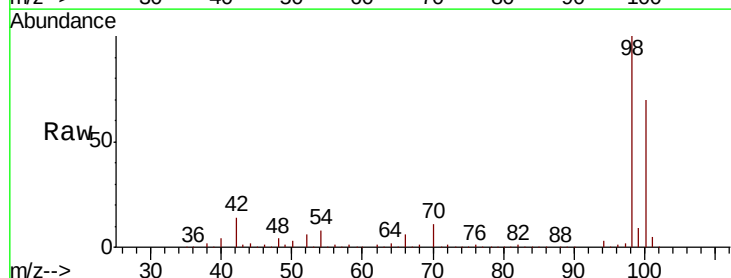
RT: 9.45 min Scan# 806

Delta R.T. -0.01 min

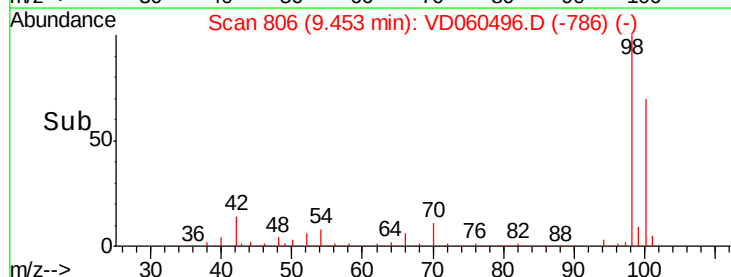
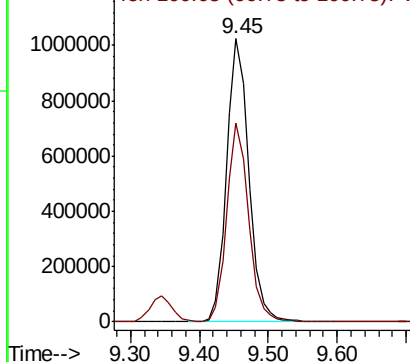
Lab File: VD060496.D

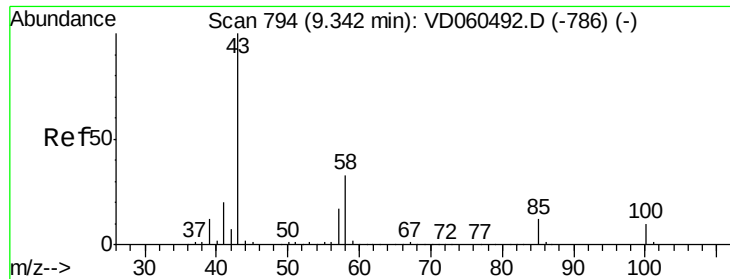
Acq: 5 Dec 2018 17:26

Tgt Ion:	98	Resp:	2290971
Ion	Ratio	Lower	Upper
98	100		
100	70.2	55.7	83.5



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 284.742 ug/l

RT: 9.35 min Scan# 795

Delta R.T. 0.00 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120518

Tgt Ion: 43 Resp: 2055465

Ion Ratio Lower Upper

43 100

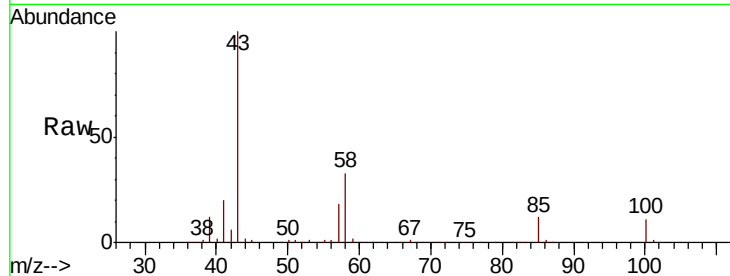
58 33.4 26.3 39.5

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.35

800000

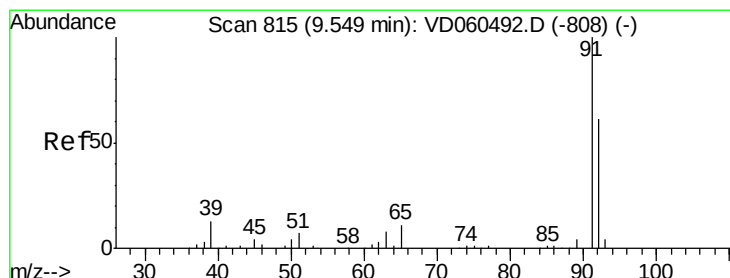
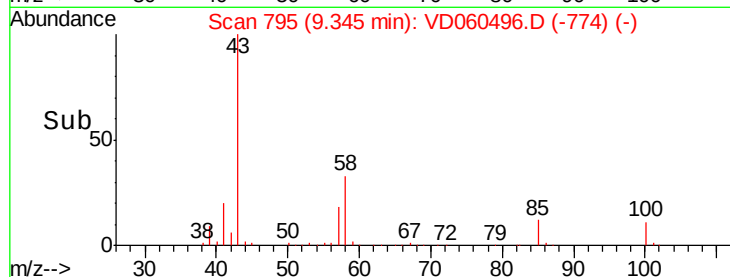
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 48.734 ug/l

RT: 9.55 min Scan# 816

Delta R.T. 0.00 min

Lab File: VD060496.D

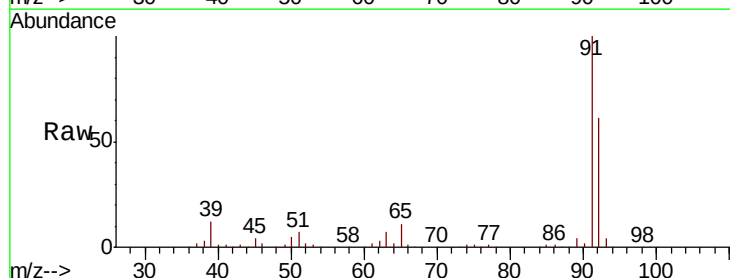
Acq: 5 Dec 2018 17:26

Tgt Ion: 92 Resp: 1687477

Ion Ratio Lower Upper

92 100

91 162.9 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

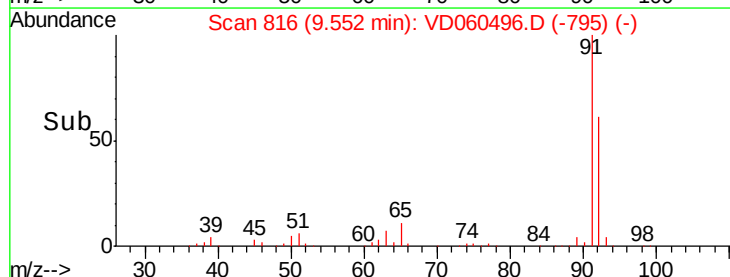
1500000

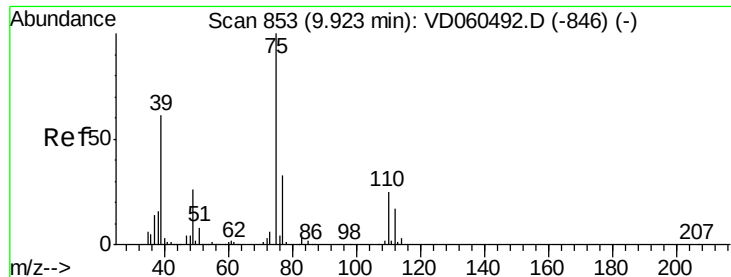
1000000

500000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.697 ug/l

RT: 9.92 min Scan# 853

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120518

Tgt Ion: 75 Resp: 828777

Ion Ratio Lower Upper

75 100

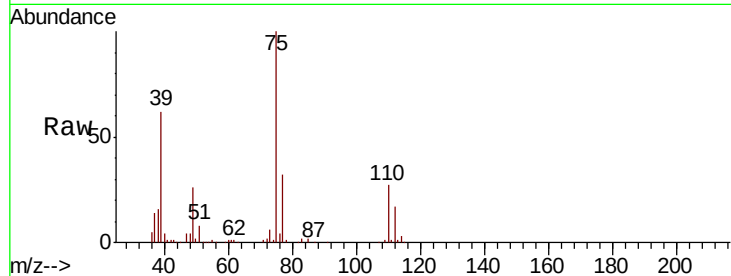
77 32.0 26.2 39.2

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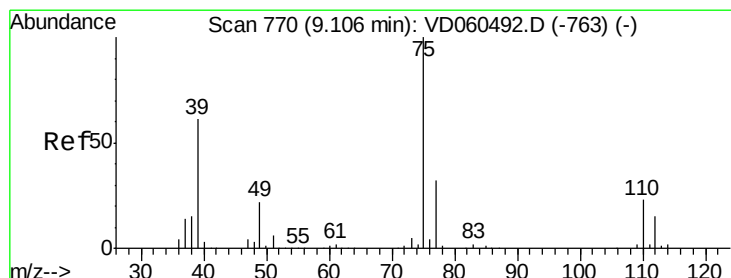
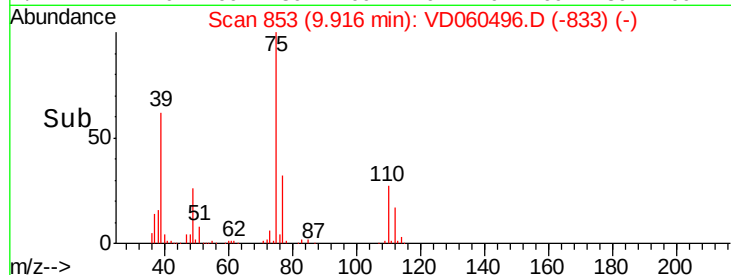
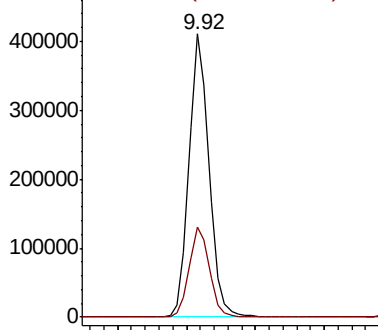
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 50.944 ug/l

RT: 9.10 min Scan# 770

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

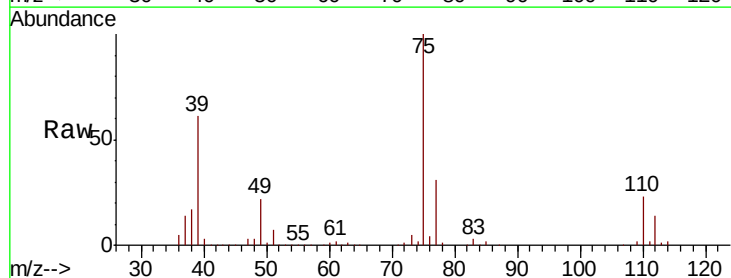
Tgt Ion: 75 Resp: 1033061

Ion Ratio Lower Upper

75 100

77 30.9 25.6 38.4

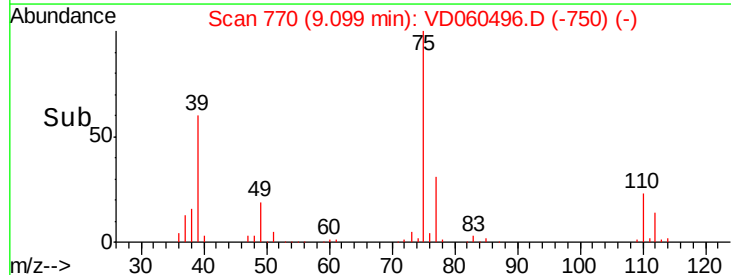
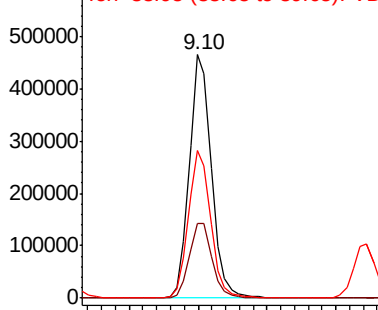
39 60.8 48.6 73.0

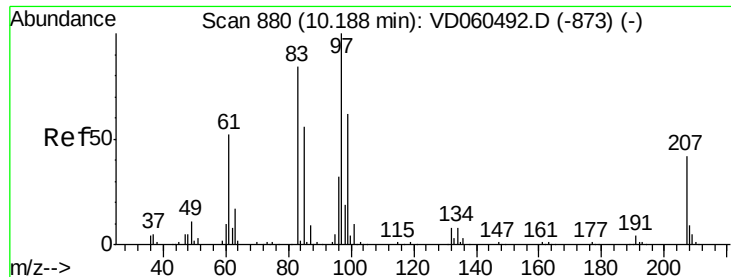


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 51.824 ug/l

RT: 10.18 min Scan# 880

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

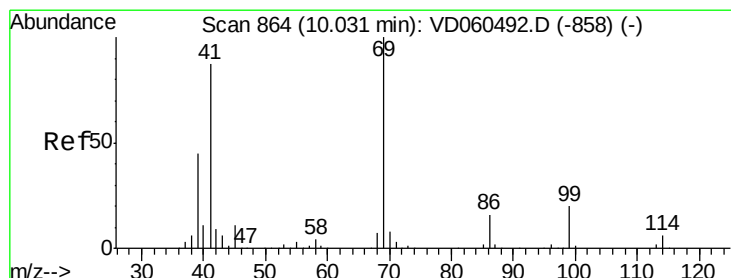
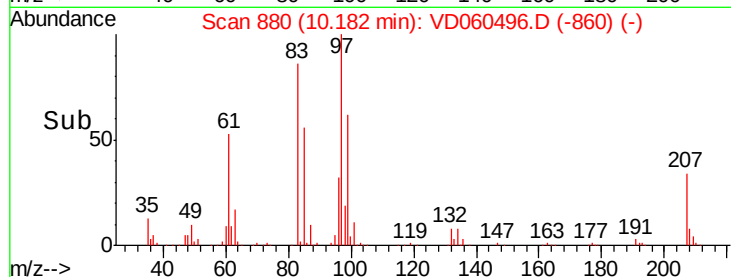
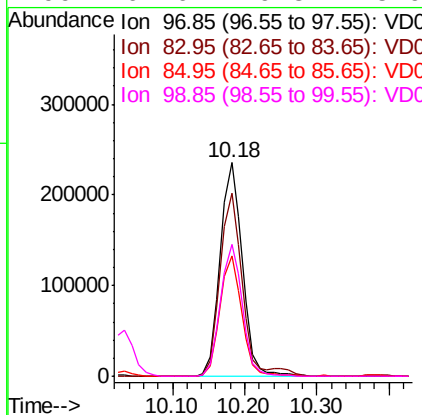
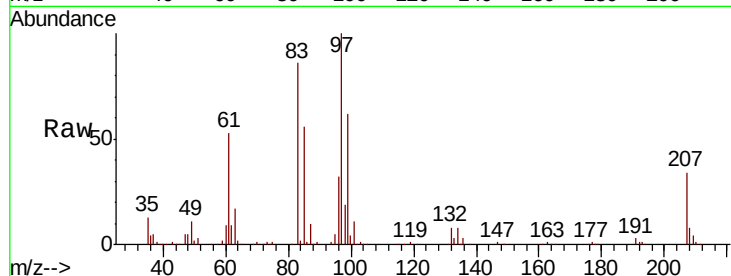
ClientSampleId :

ICVVD120518

Tgt Ion:	97	Resp:	499723
Ion	Ratio	Lower	Upper
97	100		
83	85.8	67.2	100.8
85	56.2	44.5	66.7
99	61.6	49.3	73.9

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#56

Ethyl methacrylate

Concen: 56.180 ug/l

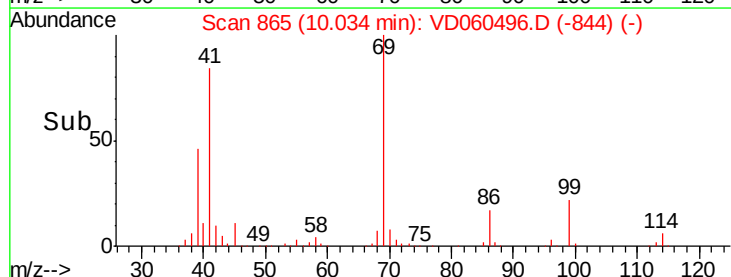
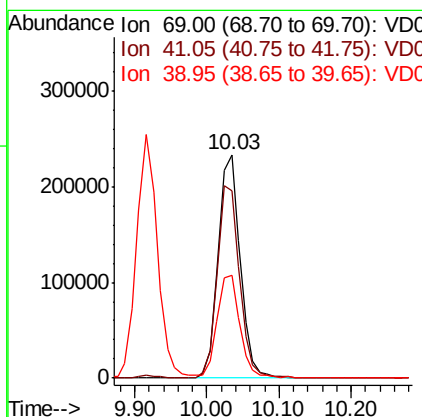
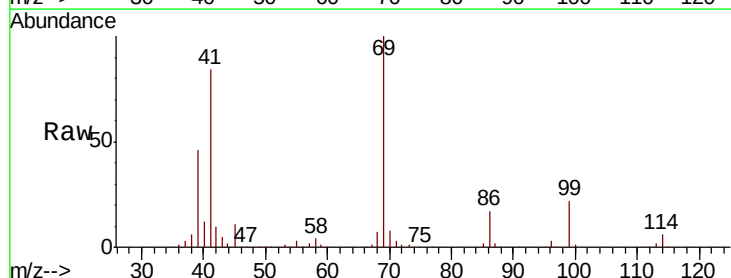
RT: 10.03 min Scan# 865

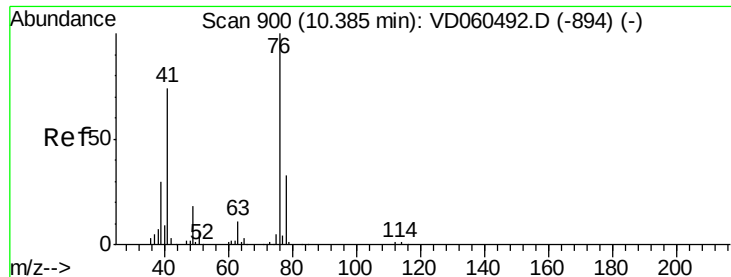
Delta R.T. 0.00 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Tgt Ion:	69	Resp:	490271
Ion	Ratio	Lower	Upper
69	100		
41	83.9	69.8	104.8
39	45.9	37.5	56.3





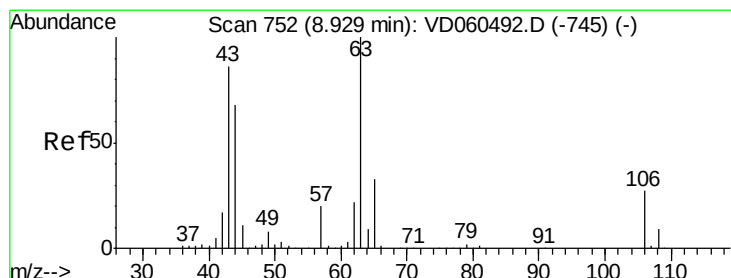
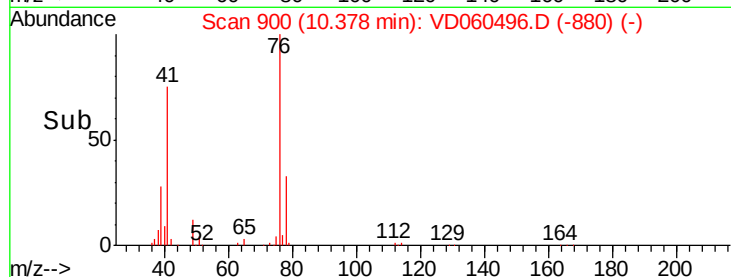
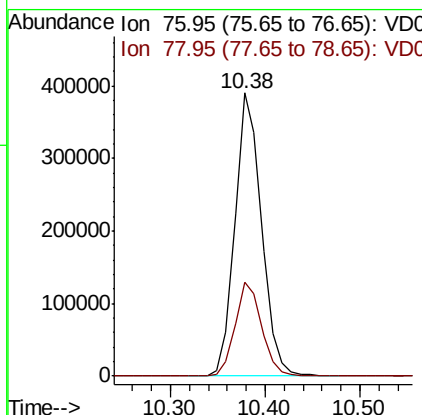
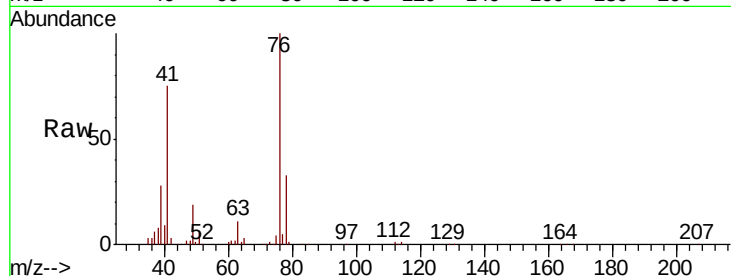
#57
 1,3-Dichloropropane
 Concen: 50.761 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD060496.D
 Acq: 5 Dec 2018 17:26

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD120518

Tgt Ion: 76 Resp: 756652
 Ion Ratio Lower Upper
 76 100
 78 33.4 26.1 39.1

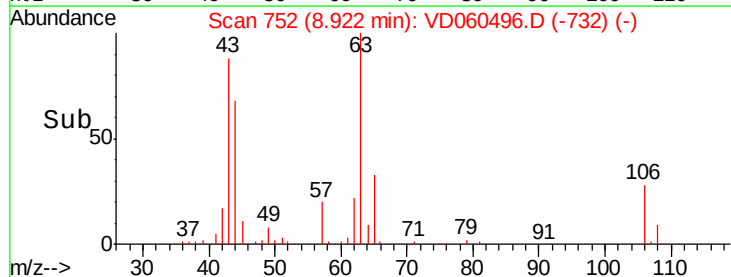
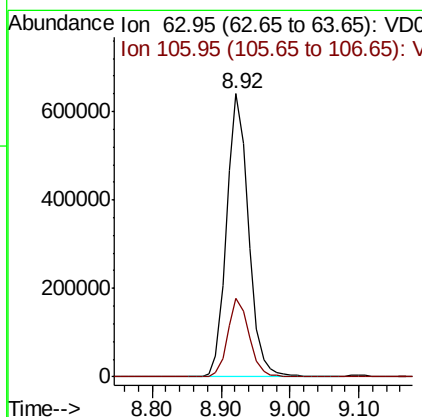
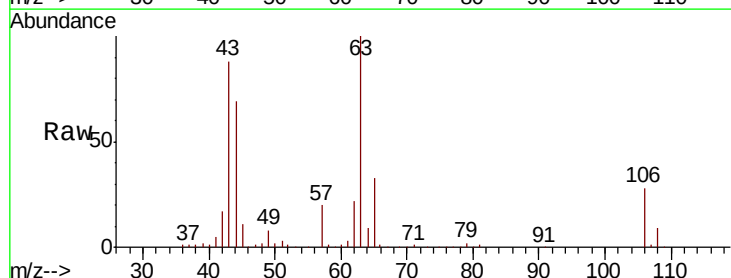
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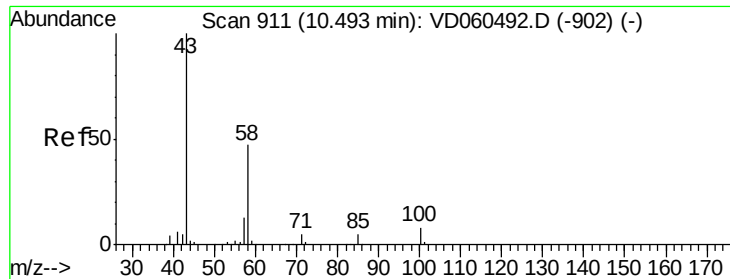
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#58
 2-Chloroethyl Vinyl ether
 Concen: 270.276 ug/l
 RT: 8.92 min Scan# 752
 Delta R.T. -0.01 min
 Lab File: VD060496.D
 Acq: 5 Dec 2018 17:26

Tgt Ion: 63 Resp: 1411290
 Ion Ratio Lower Upper
 63 100
 106 27.6 21.6 32.4





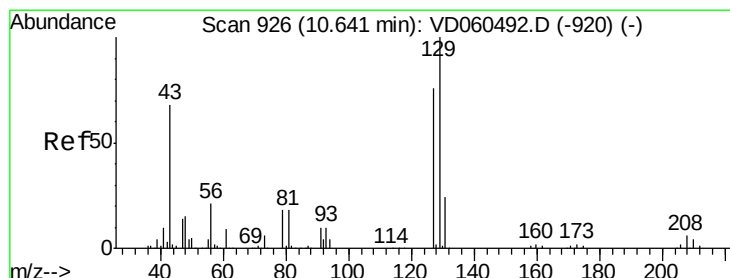
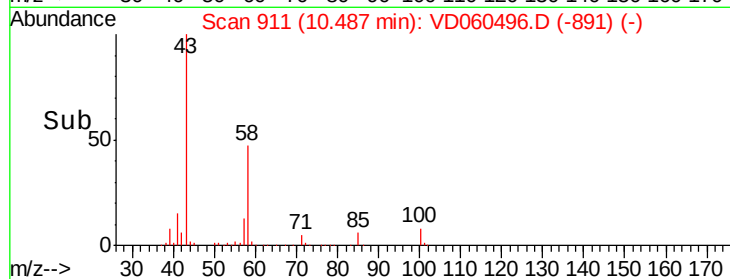
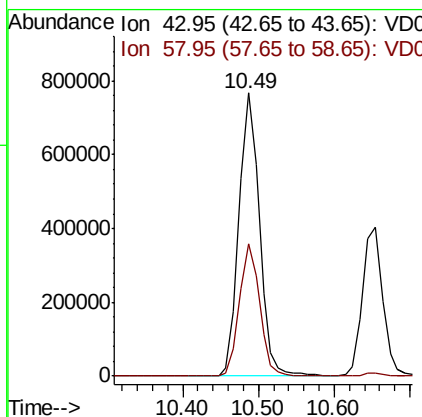
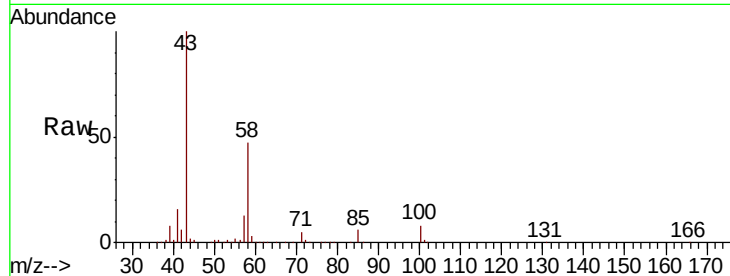
#59
2-Hexanone
Concen: 285.013 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

Tgt Ion: 43 Resp: 1438086
Ion Ratio Lower Upper
43 100
58 46.8 23.4 70.2

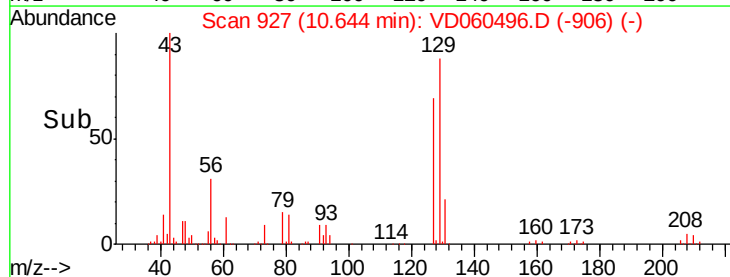
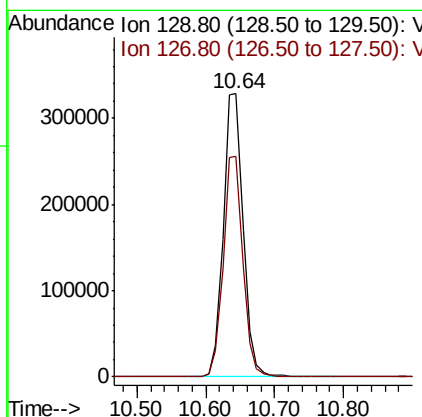
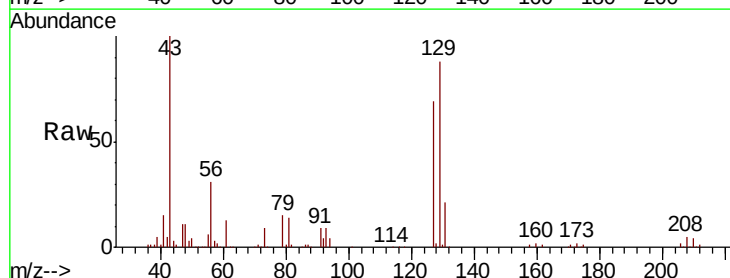
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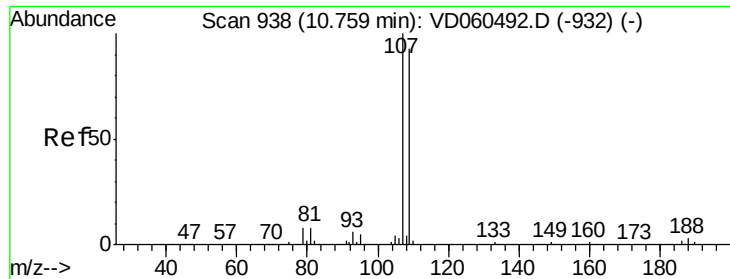
apatel
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#60
Dibromochloromethane
Concen: 54.272 ug/l
RT: 10.64 min Scan# 927
Delta R.T. 0.00 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion: 129 Resp: 654297
Ion Ratio Lower Upper
129 100
127 78.0 38.1 114.3





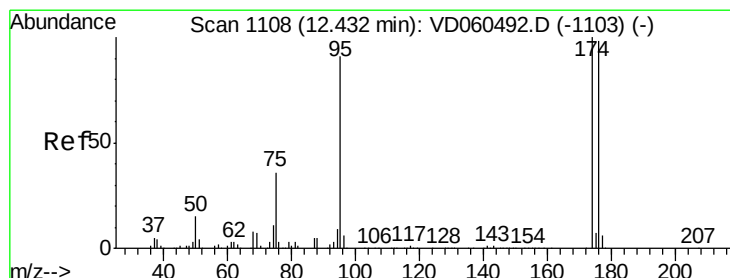
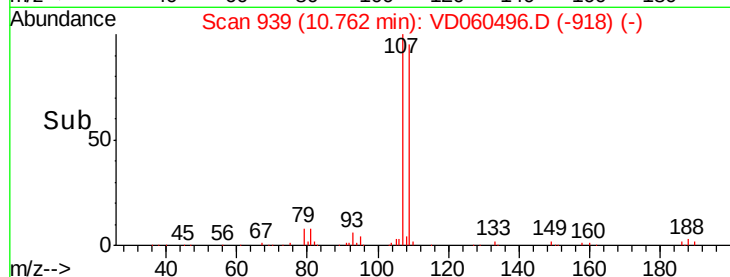
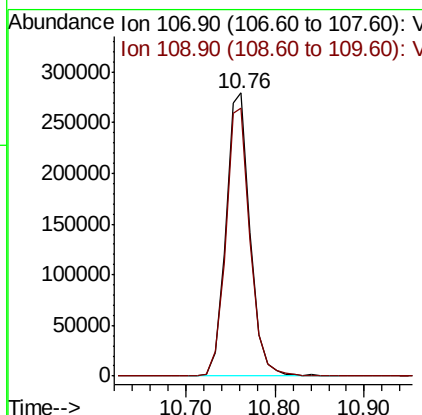
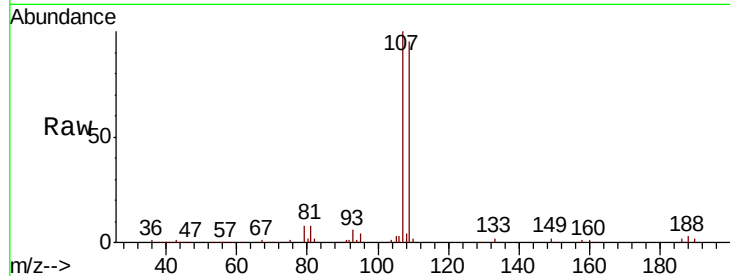
#61
1,2-Dibromoethane
Concen: 54.352 ug/l
RT: 10.76 min Scan# 939
Delta R.T. 0.00 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

Tgt Ion: 107 Resp: 534109
Ion Ratio Lower Upper
107 100
109 94.8 74.7 112.1

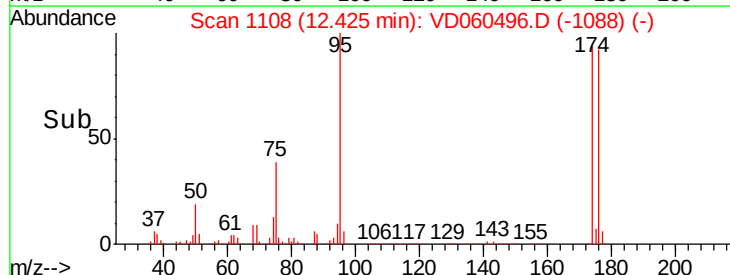
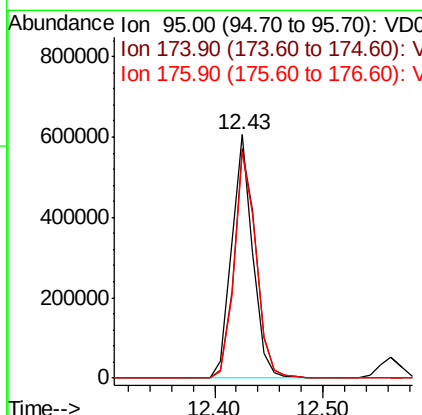
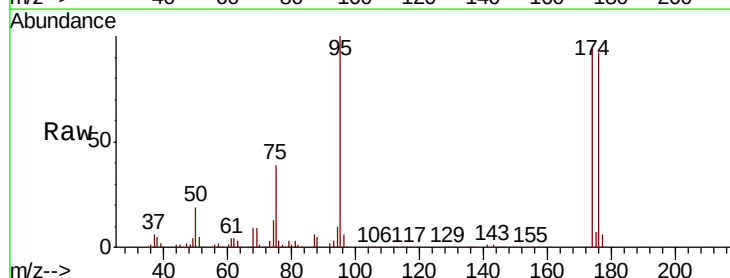
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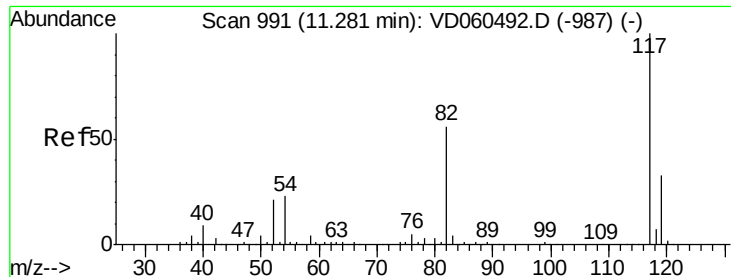
apatel
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#62
4-Bromofluorobenzene
Concen: 54.352 ug/l
RT: 12.43 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion: 95 Resp: 819207
Ion Ratio Lower Upper
95 100
174 94.3 0.0 219.4
176 92.4 0.0 214.6





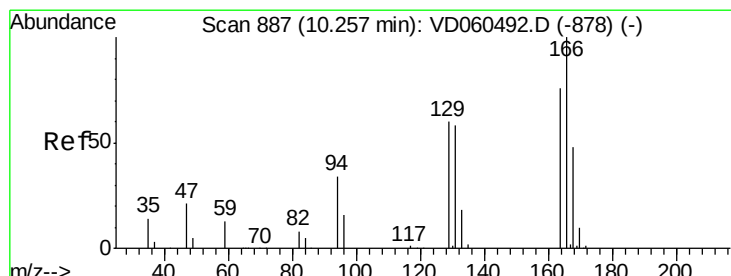
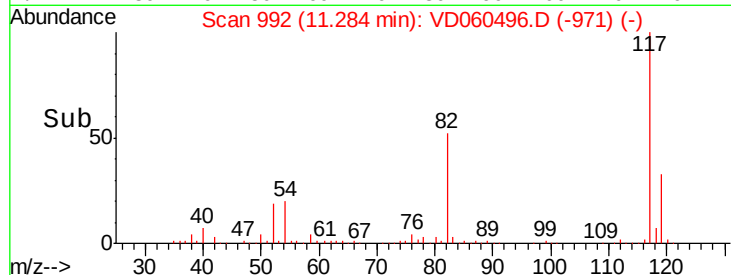
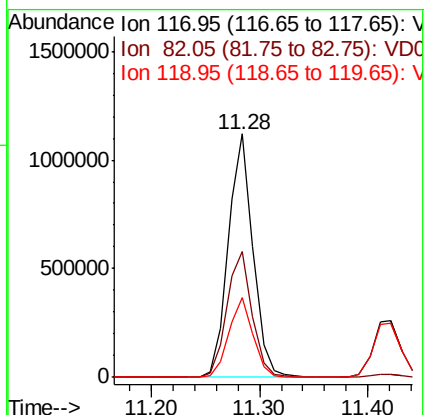
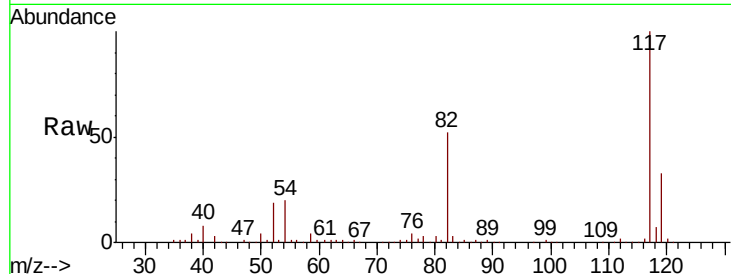
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.00 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

Tgt Ion:117 Resp: 1774176
Ion Ratio Lower Upper
117 100
82 51.8 45.2 67.8
119 33.0 26.1 39.1

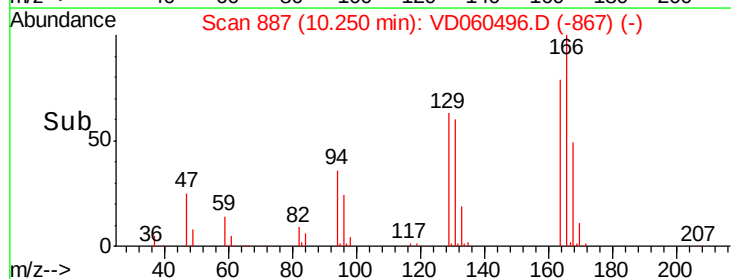
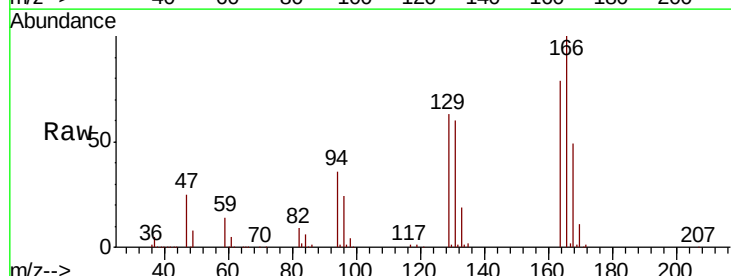
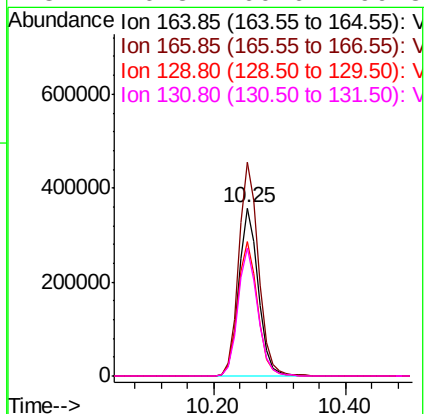
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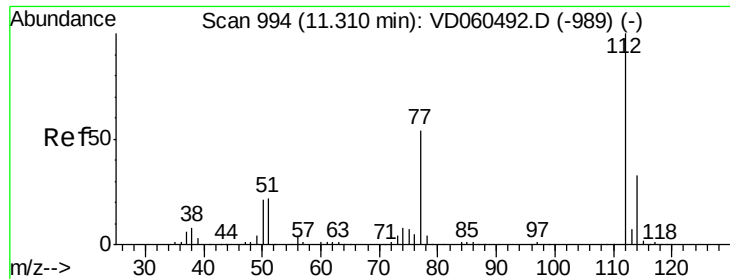
apatel
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#64
Tetrachloroethene
Concen: 47.145 ug/l
RT: 10.25 min Scan# 887
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion:164 Resp: 740657
Ion Ratio Lower Upper
164 100
166 127.1 105.0 157.6
129 79.7 63.0 94.4
131 76.3 60.6 90.8





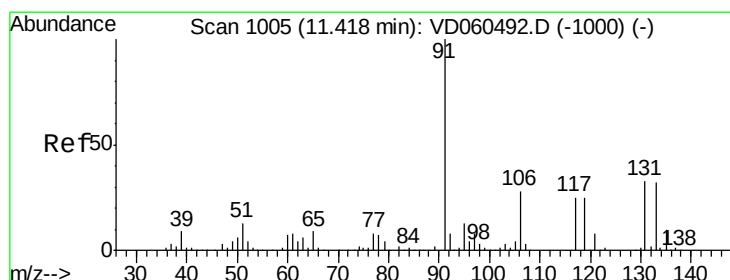
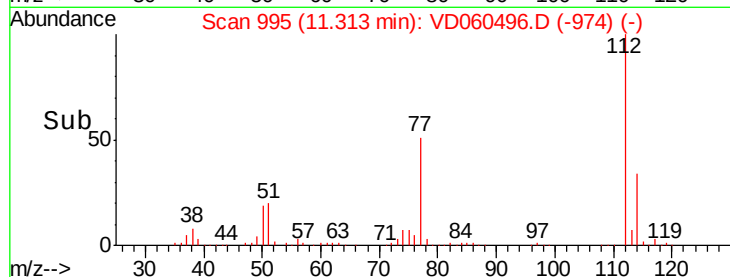
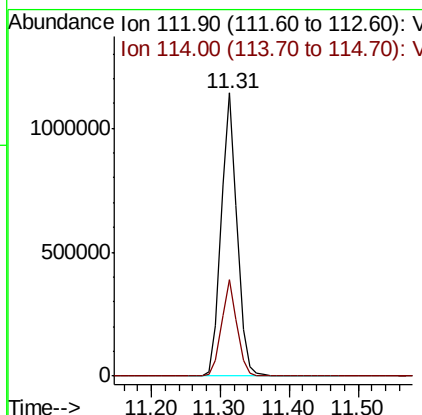
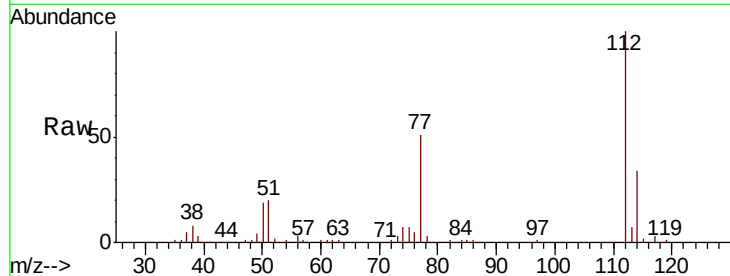
#65
Chlorobenzene
Concen: 48.678 ug/l
RT: 11.31 min Scan# 995
Delta R.T. 0.00 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

Tgt Ion:112 Resp: 1827056
Ion Ratio Lower Upper
112 100
114 33.9 26.2 39.4

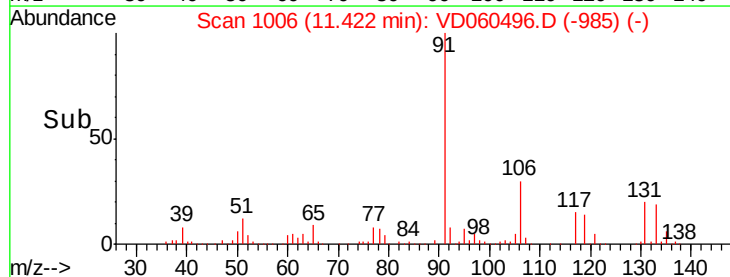
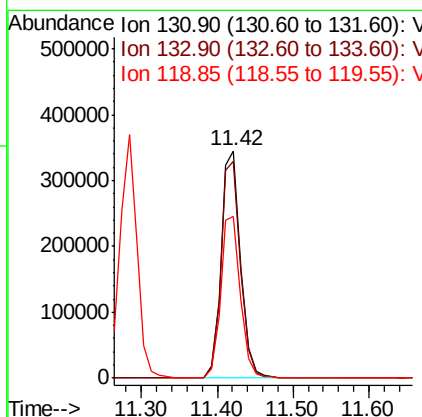
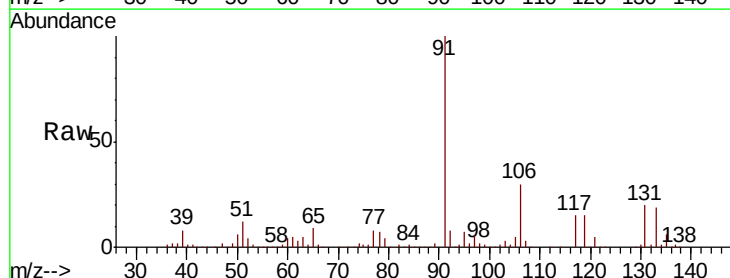
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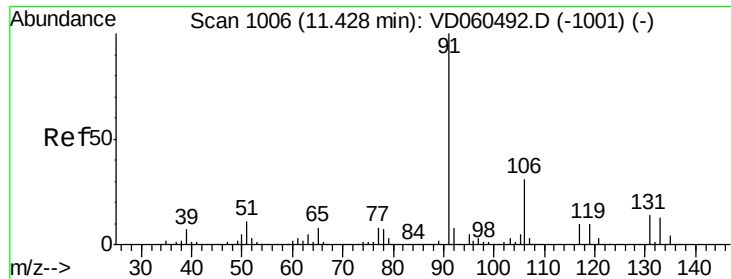
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.646 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion:131 Resp: 612696
Ion Ratio Lower Upper
131 100
133 95.6 49.1 147.3
119 71.4 37.5 112.3





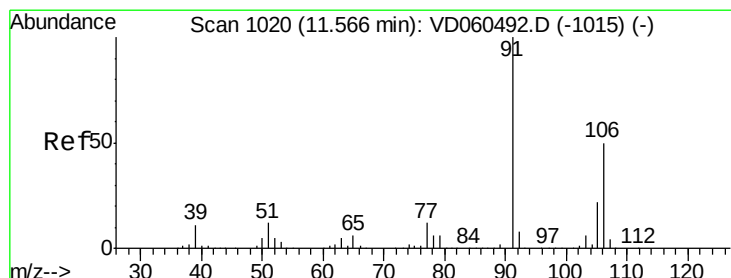
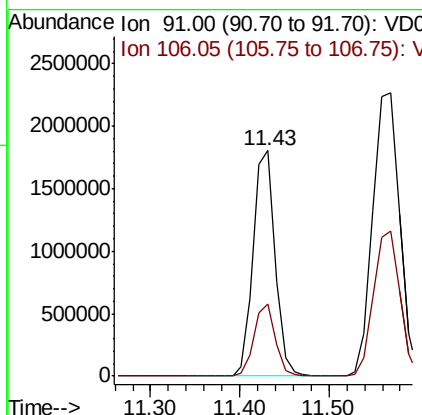
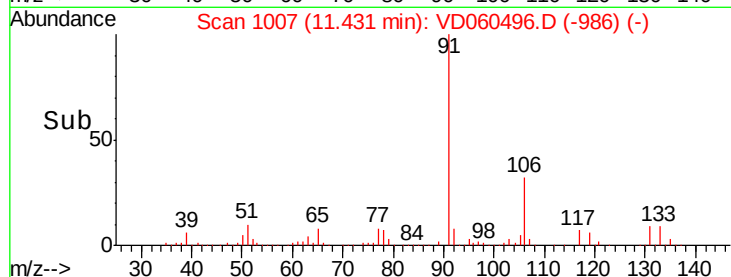
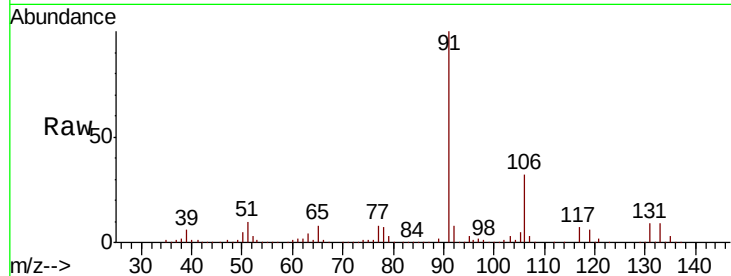
#67
Ethyl Benzene
Concen: 47.736 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

Tgt Ion: 91 Resp: 3056103
Ion Ratio Lower Upper
91 100
106 32.0 24.6 37.0

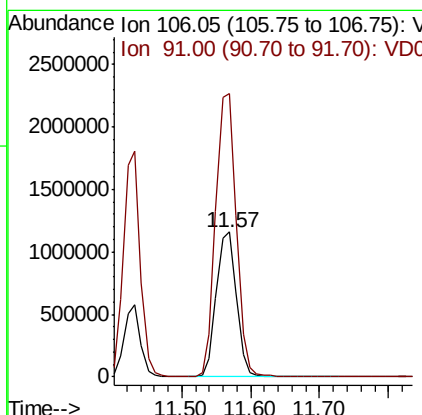
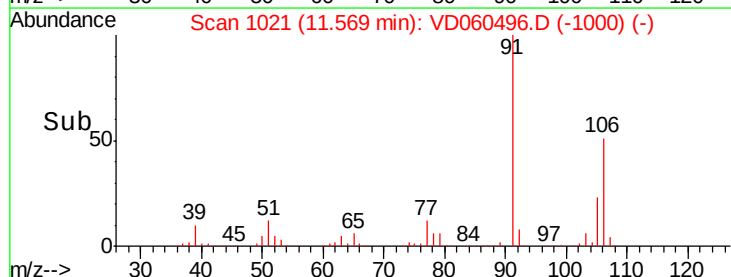
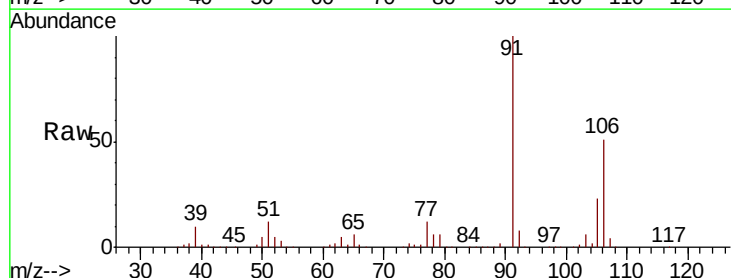
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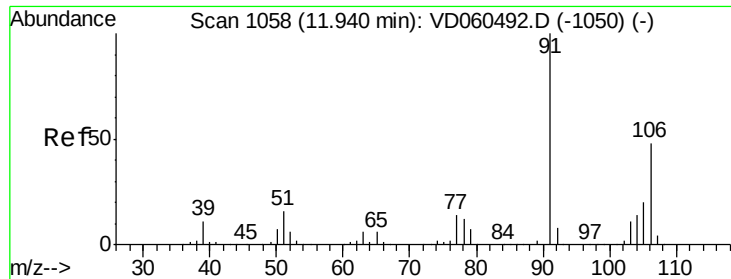
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#68
m/p-Xylenes
Concen: 99.661 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion: 106 Resp: 2360478
Ion Ratio Lower Upper
106 100
91 195.7 160.5 240.7





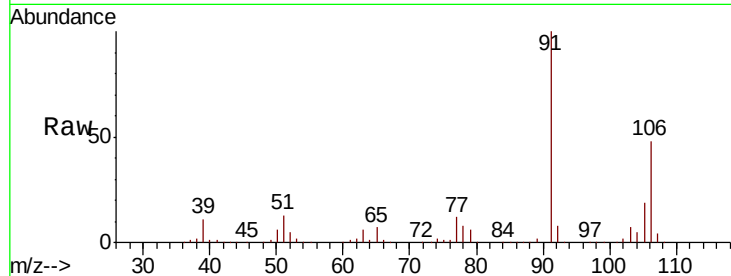
#69
o-Xylene
Concen: 48.691 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

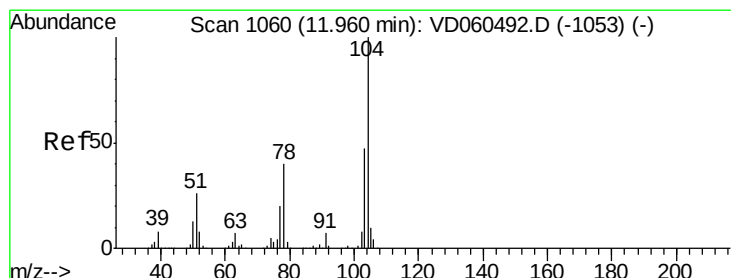
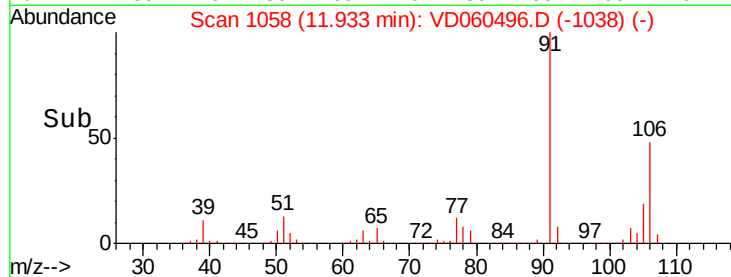
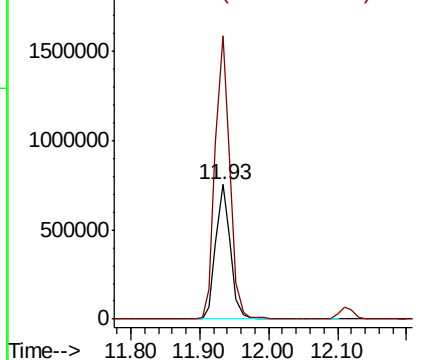
Tgt Ion:106 Resp: 1099061
Ion Ratio Lower Upper
106 100
91 210.5 103.4 310.1

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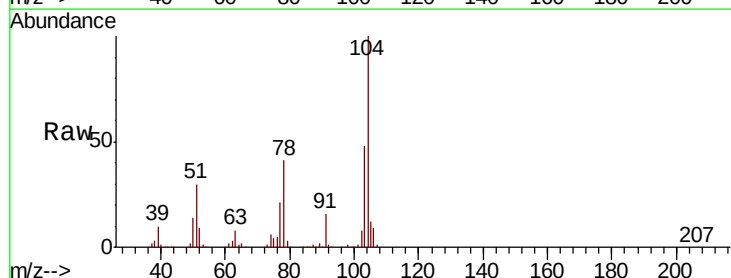


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

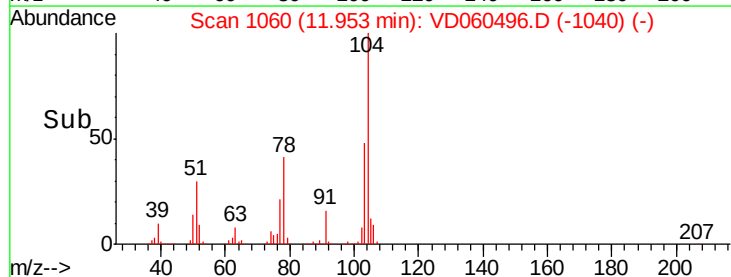
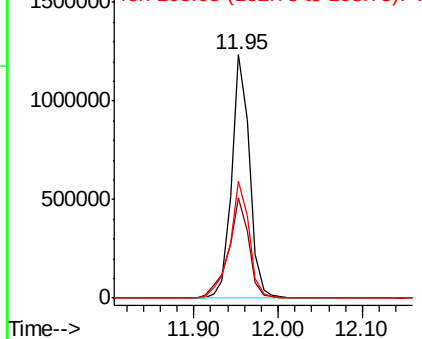


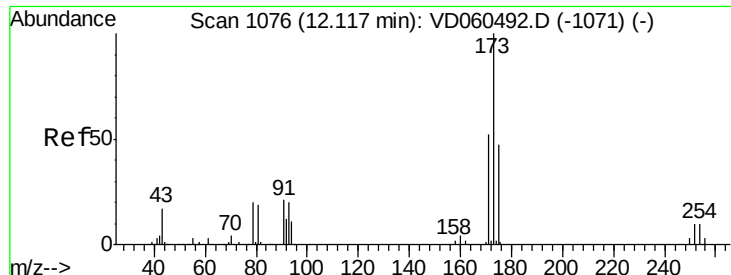
#70
Styrene
Concen: 49.949 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion:104 Resp: 1809673
Ion Ratio Lower Upper
104 100
78 41.2 32.1 48.1
103 47.9 37.2 55.8



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





#71

Bromoform

Concen: 55.343 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

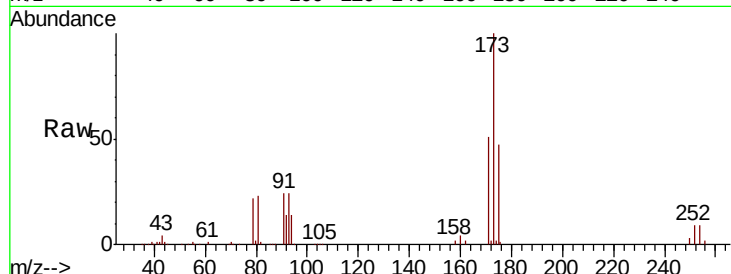
ClientSampleId :

ICVVD120518

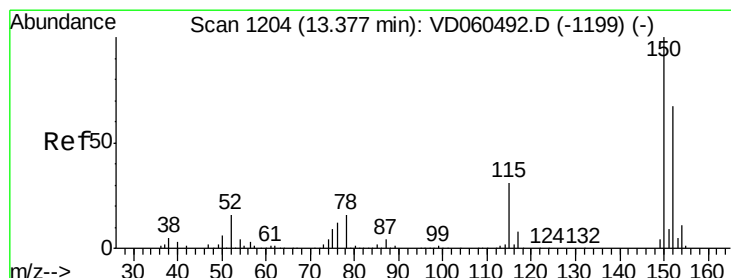
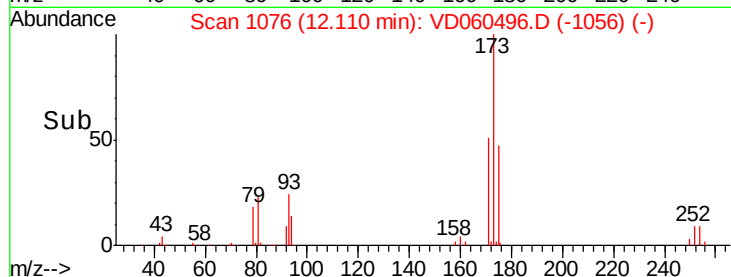
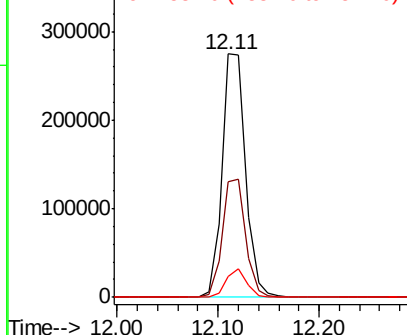
Tgt Ion:	173	Resp:	446685
Ion Ratio	Lower	Upper	
173	100		
175	47.4	23.5	70.6
254	8.6	7.8	11.8

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Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

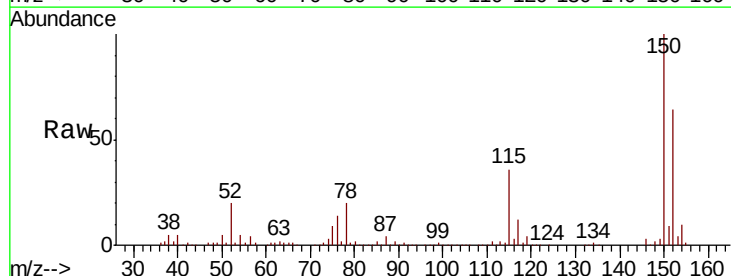
RT: 13.37 min Scan# 1204

Delta R.T. -0.01 min

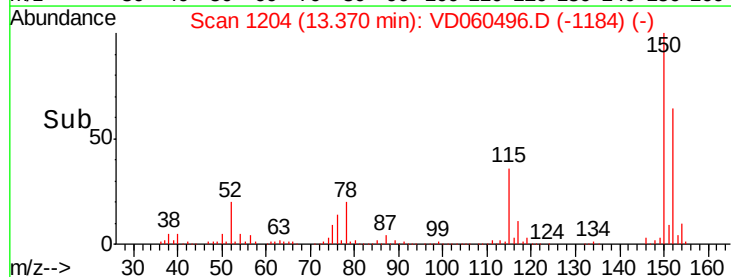
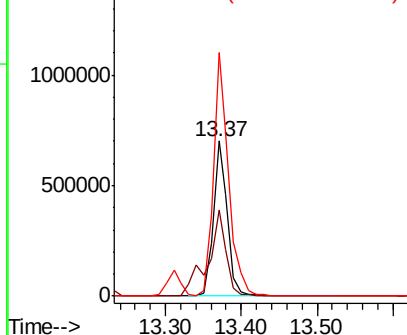
Lab File: VD060496.D

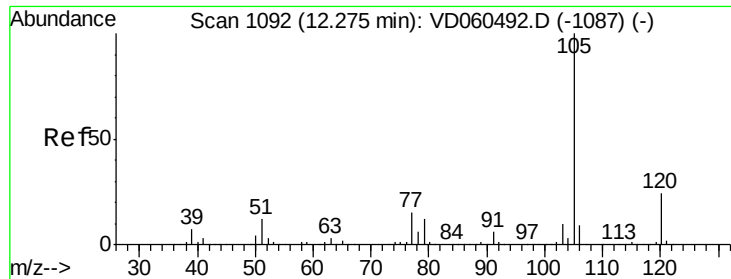
Acq: 5 Dec 2018 17:26

Tgt Ion:	152	Resp:	912067
Ion Ratio	Lower	Upper	
152	100		
115	55.9	24.6	74.0
150	156.9	0.0	309.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





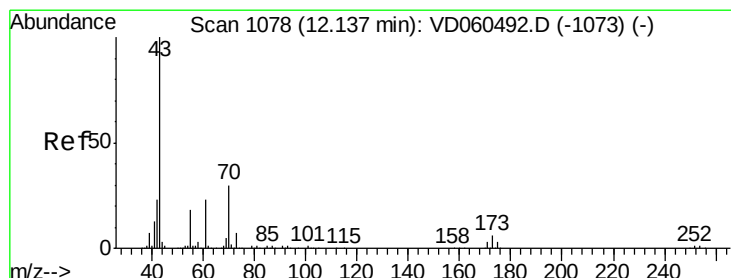
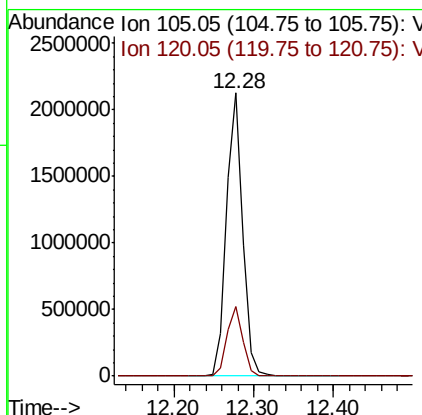
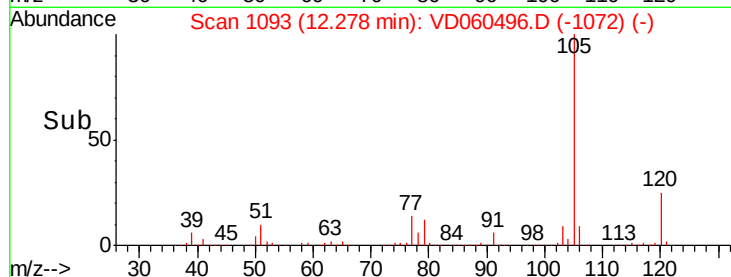
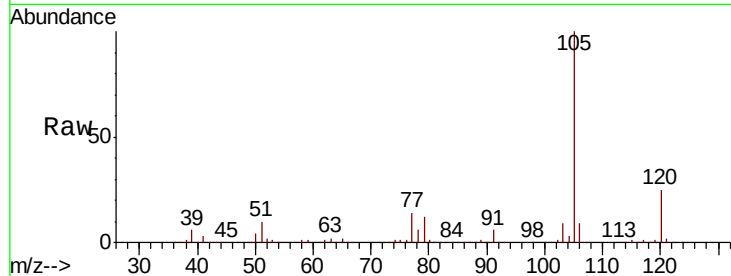
#73
Isopropylbenzene
Concen: 47.402 ug/l
RT: 12.28 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

Tgt Ion: 105 Resp: 3059356
Ion Ratio Lower Upper
105 100
120 24.5 11.9 35.9

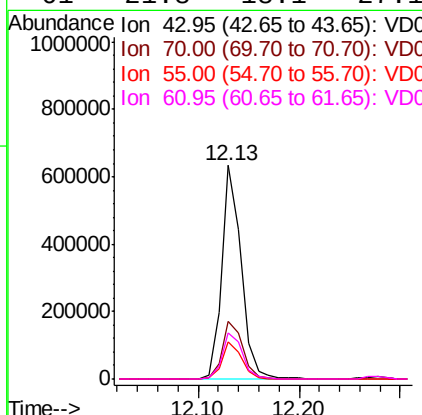
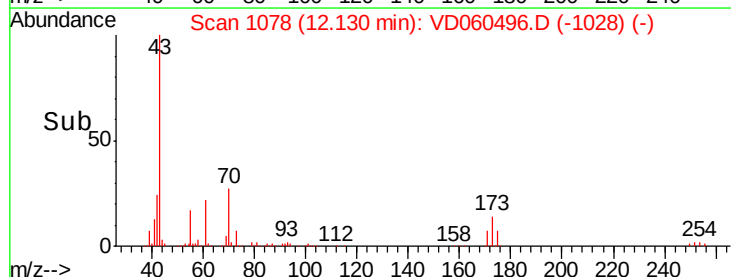
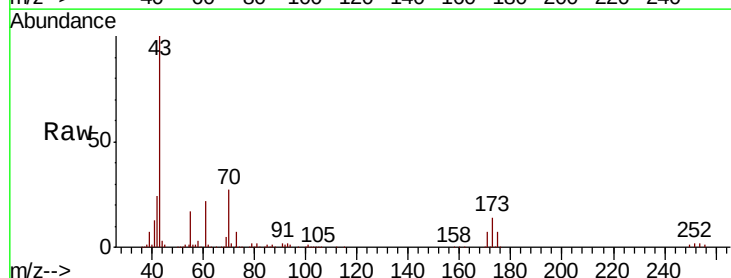
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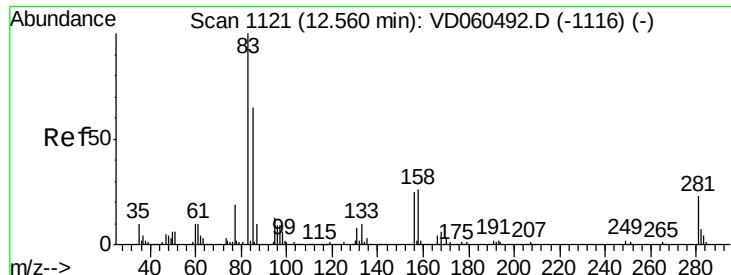
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#74
N-ethyl acetate
Concen: 54.703 ug/l
RT: 12.13 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion: 43 Resp: 853281
Ion Ratio Lower Upper
43 100
70 27.2 23.8 35.8
55 17.3 14.2 21.2
61 21.8 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 52.396 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120518

Tgt Ion: 83 Resp: 541382

Ion Ratio Lower Upper

83 100

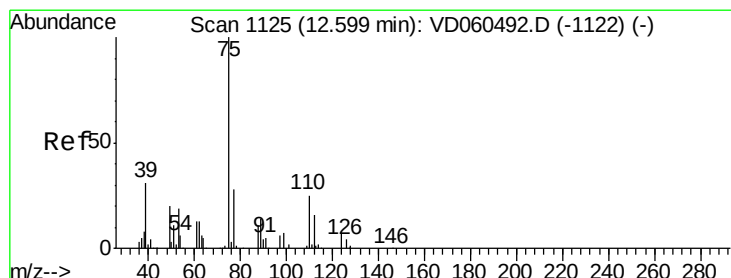
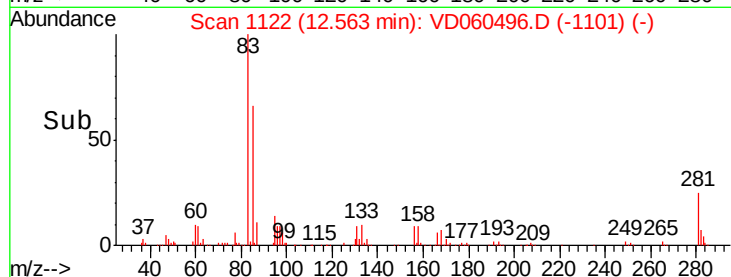
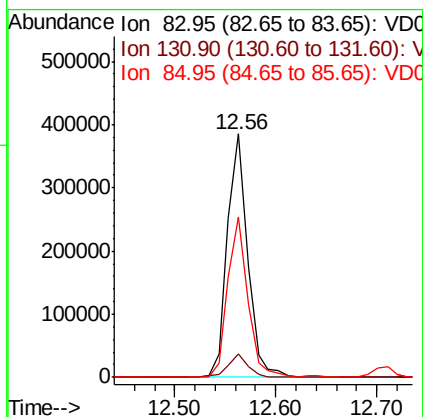
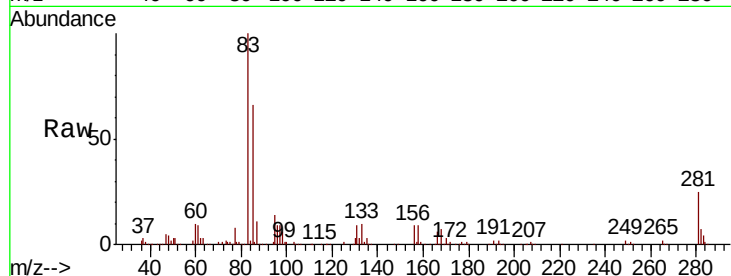
131 9.5 3.8 11.4

85 66.1 32.3 96.9

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#76

1,2,3-Trichloropropane

Concen: 51.684 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VD060496.D

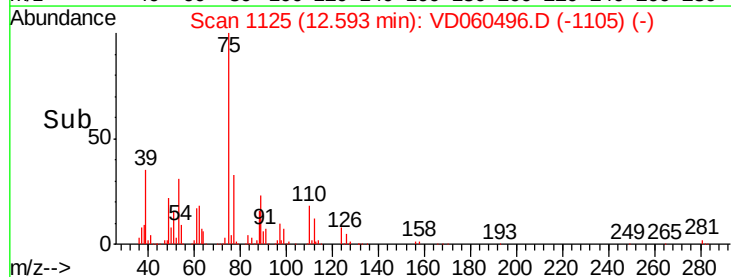
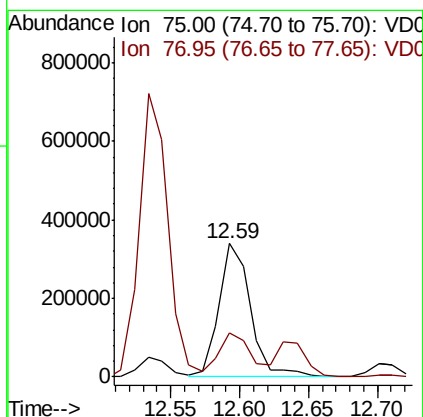
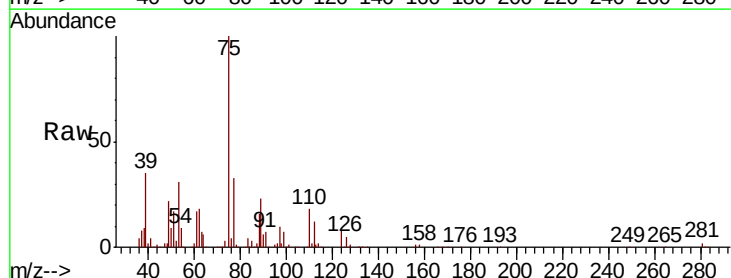
Acq: 5 Dec 2018 17:26

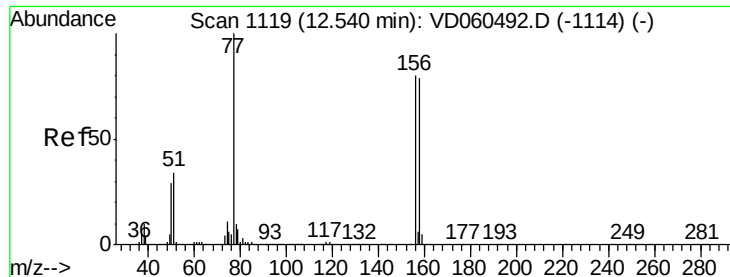
Tgt Ion: 75 Resp: 534115

Ion Ratio Lower Upper

75 100

77 32.6 16.4 49.4





#77

Bromobenzene

Concen: 49.391 ug/l

RT: 12.54 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

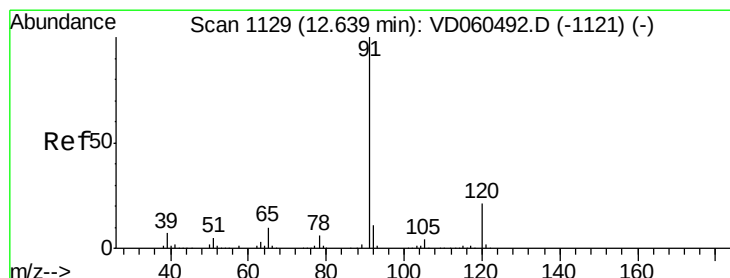
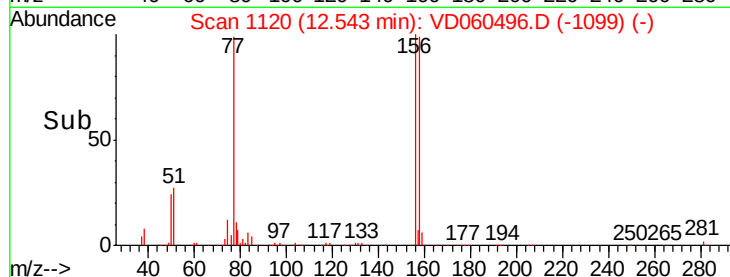
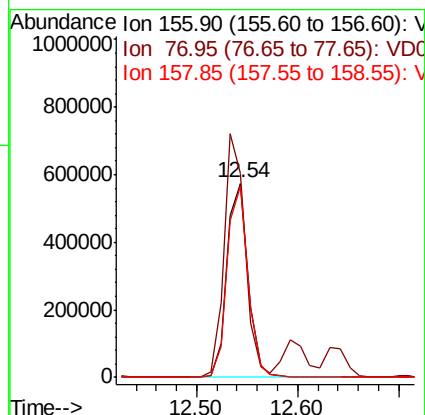
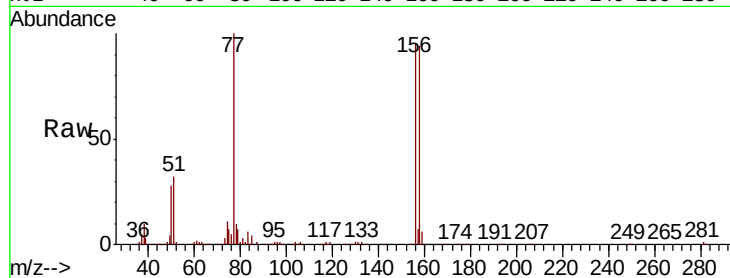
ClientSampleId :

ICVVD120518

Tgt Ion:	156	Resp:	837922
Ion Ratio	Lower	Upper	
156	100		
77	105.2	62.5	187.6
158	98.9	49.4	148.2

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#78

n-propylbenzene

Concen: 47.195 ug/l

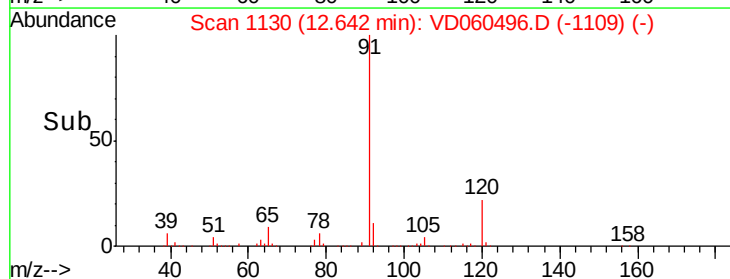
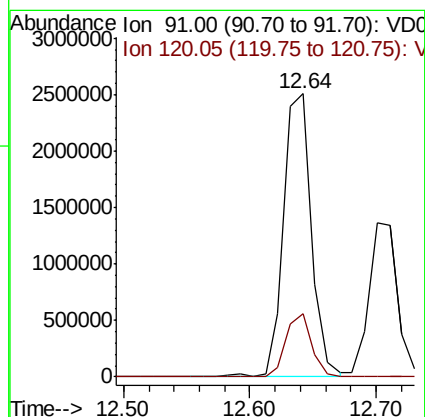
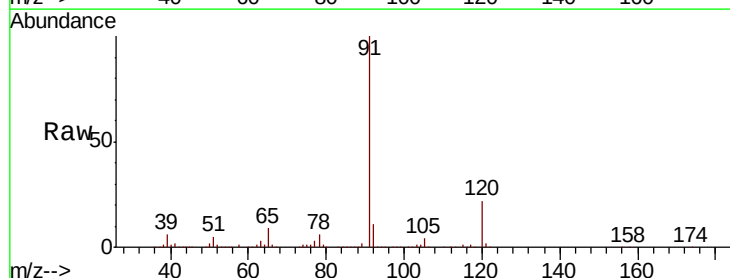
RT: 12.64 min Scan# 1130

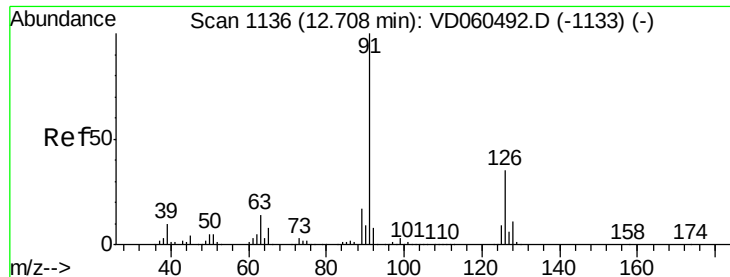
Delta R.T. 0.00 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Tgt Ion:	91	Resp:	3850447
Ion Ratio	Lower	Upper	
91	100		
120	22.1	10.4	31.1





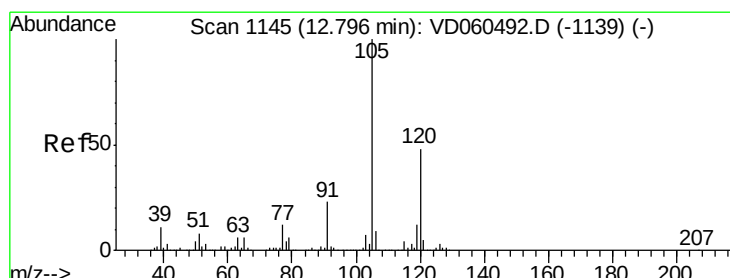
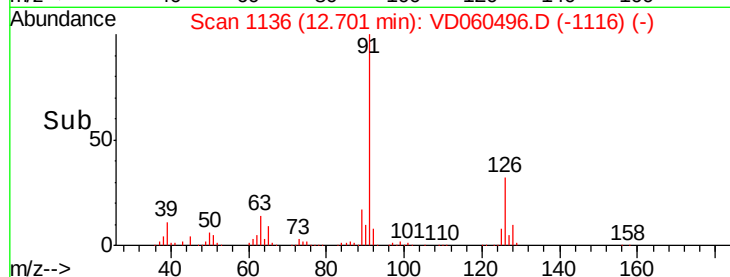
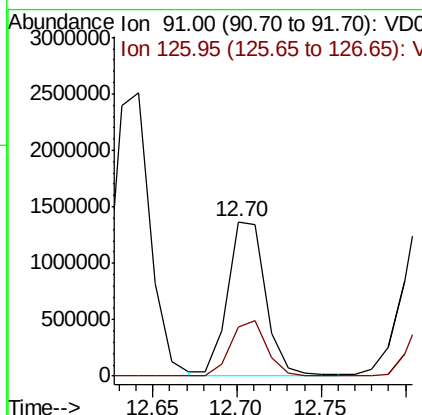
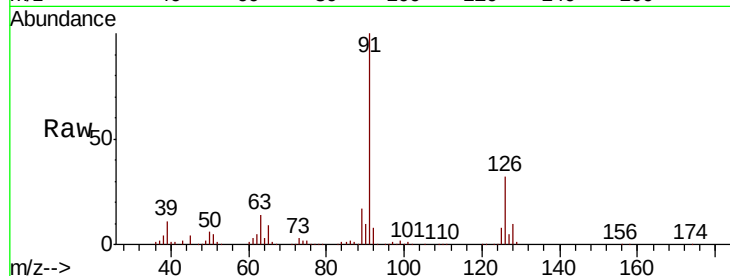
#79
2-Chlorotoluene
Concen: 48.027 ug/l
RT: 12.70 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

Tgt Ion: 91 Resp: 2126225
Ion Ratio Lower Upper
91 100
126 31.5 17.3 52.0

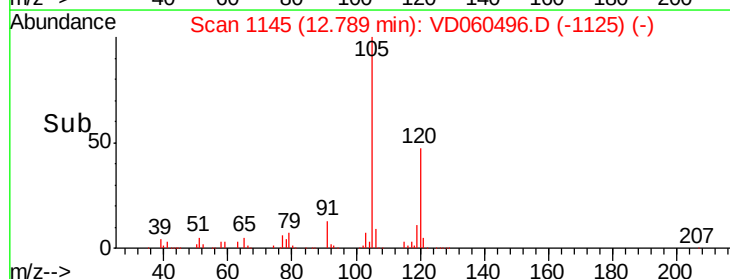
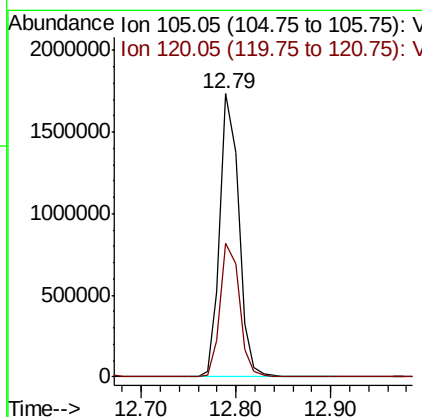
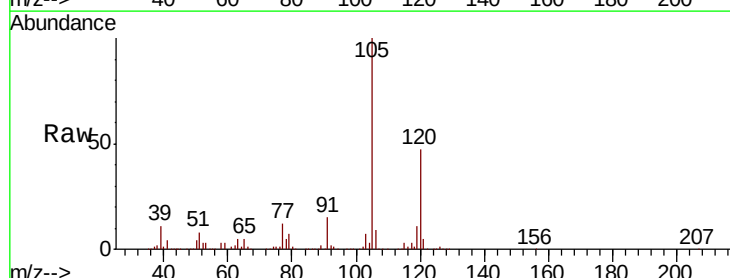
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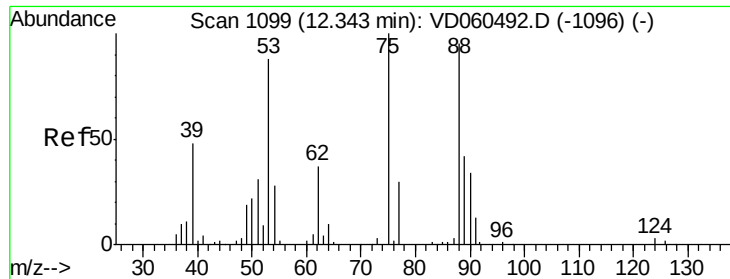
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#80
1,3,5-Trimethylbenzene
Concen: 48.794 ug/l
RT: 12.79 min Scan# 1145
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion: 105 Resp: 2406382
Ion Ratio Lower Upper
105 100
120 47.1 24.2 72.6





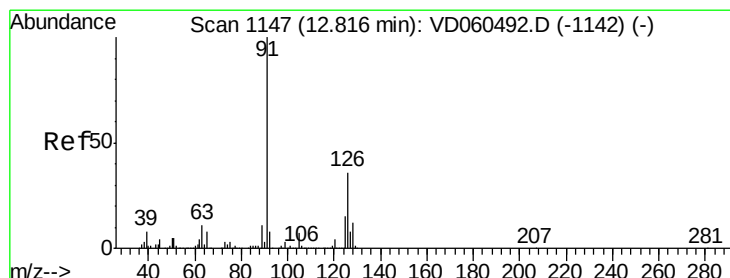
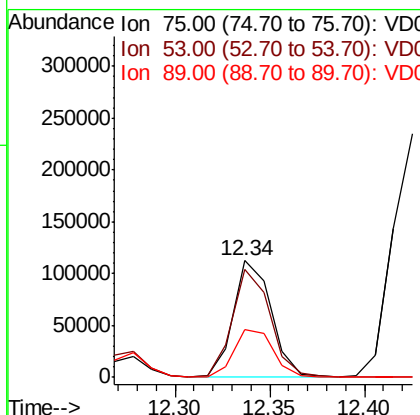
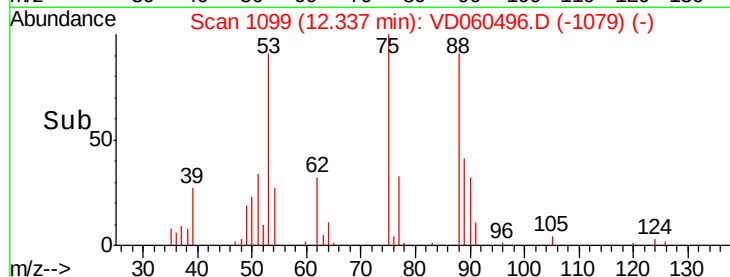
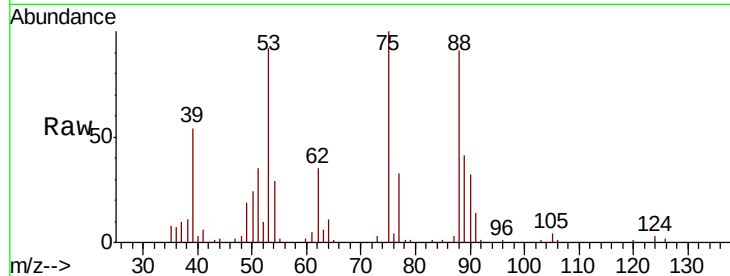
#81
trans-1,4-Dichloro-2-butene
Concen: 54.362 ug/l
RT: 12.34 min Scan# 1099
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

Tgt Ion: 75 Resp: 156686
Ion Ratio Lower Upper
75 100
53 92.4 70.5 105.7
89 40.5 33.6 50.4

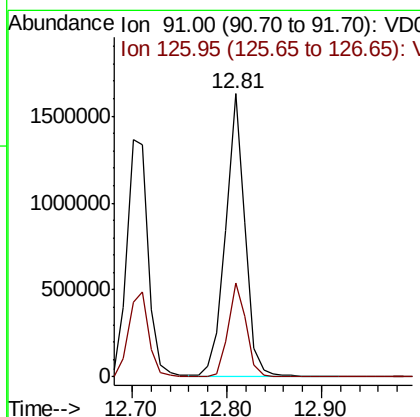
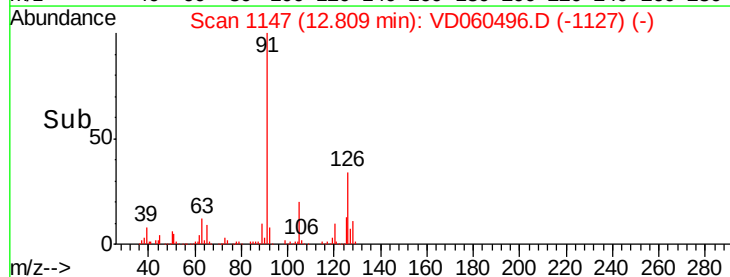
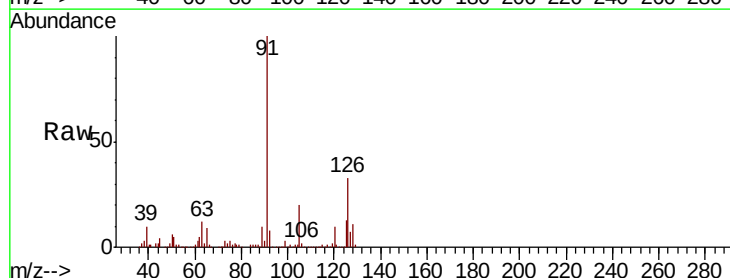
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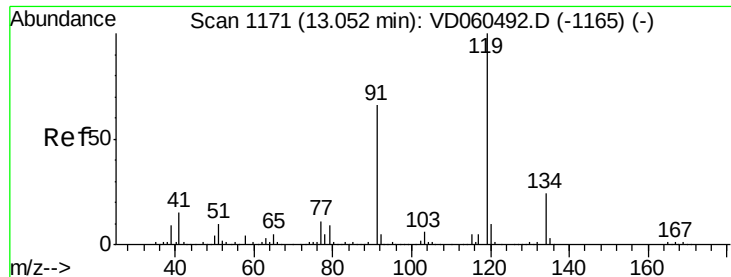
apatel
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#82
4-Chlorotoluene
Concen: 46.211 ug/l
RT: 12.81 min Scan# 1147
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion: 91 Resp: 2297776
Ion Ratio Lower Upper
91 100
126 33.0 17.8 53.4





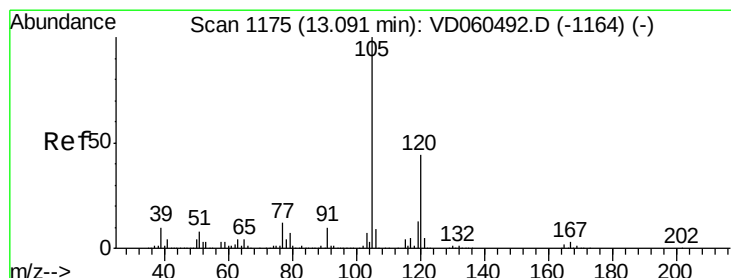
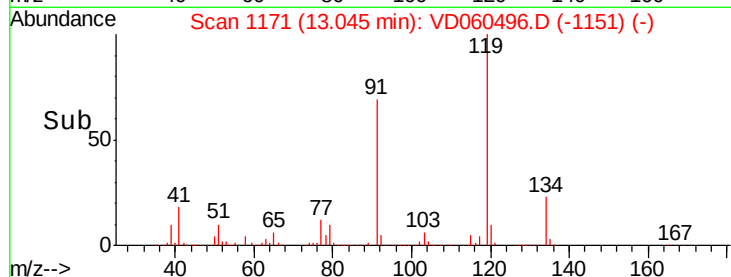
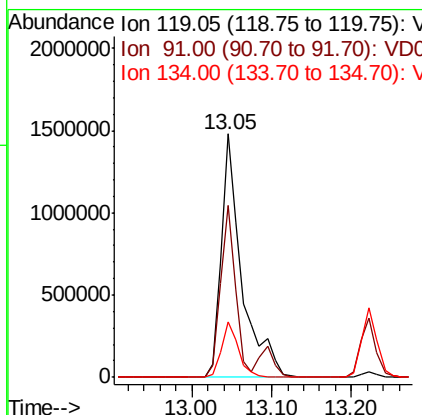
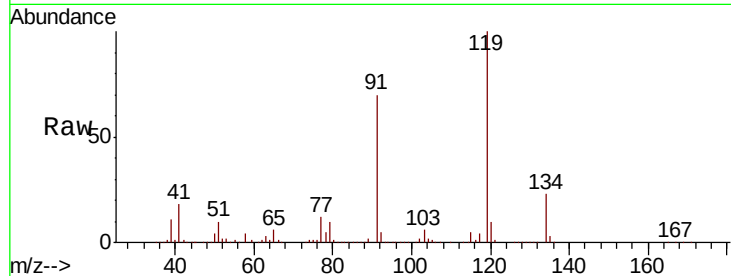
#83
 tert-Butylbenzene
 Concen: 48.339 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: VD060496.D
 Acq: 5 Dec 2018 17:26

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD120518

Tgt Ion:119 Resp: 2672927
 Ion Ratio Lower Upper
 119 100
 91 70.4 33.1 99.2
 134 23.0 12.0 36.0

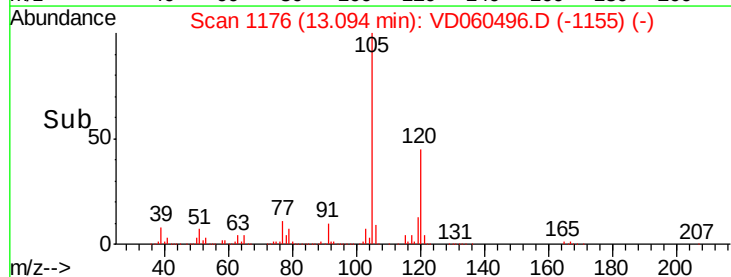
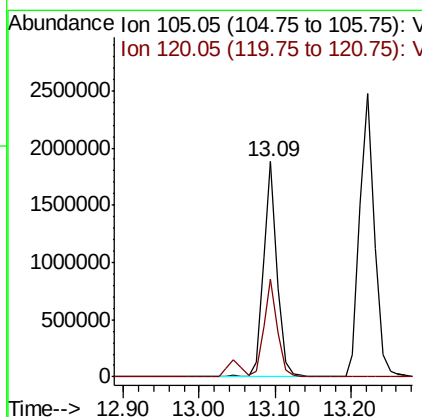
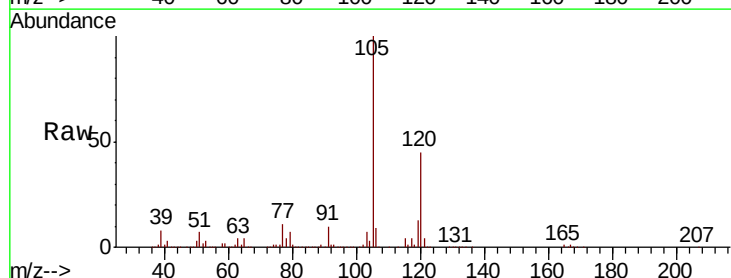
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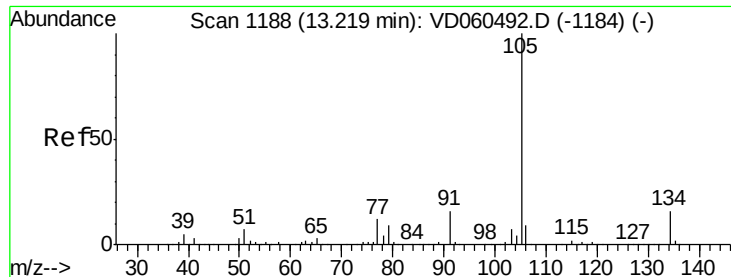
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#84
 1,2,4-Trimethylbenzene
 Concen: 46.599 ug/l
 RT: 13.09 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VD060496.D
 Acq: 5 Dec 2018 17:26

Tgt Ion:105 Resp: 2379581
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.3 66.8





#85

sec-Butylbenzene

Concen: 47.885 ug/l

RT: 13.22 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120518

Tgt Ion:105 Resp: 3300203

Ion Ratio Lower Upper

105 100

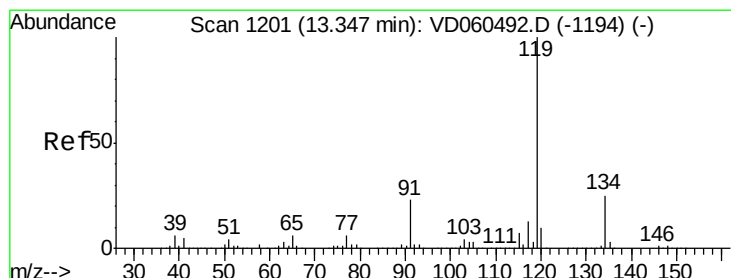
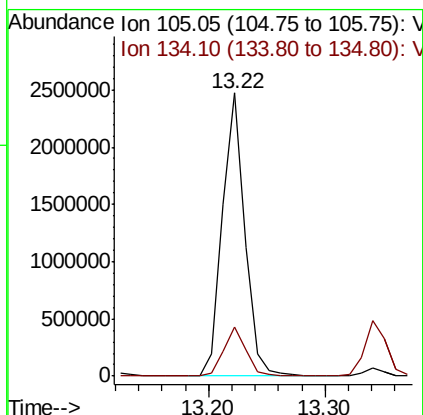
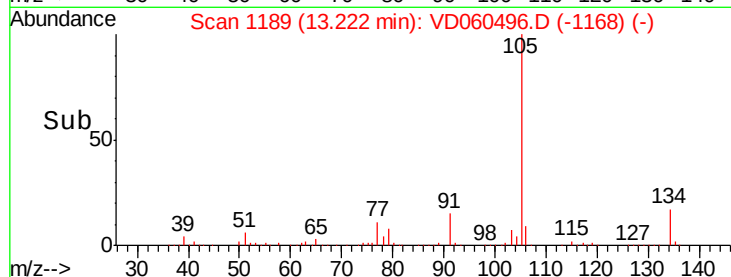
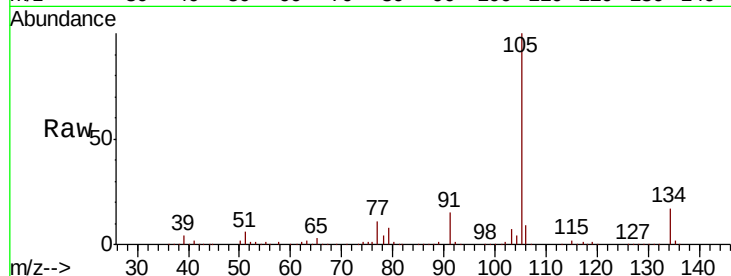
134 17.2 7.9 23.7

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#86

p-Isopropyltoluene

Concen: 47.529 ug/l

RT: 13.34 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

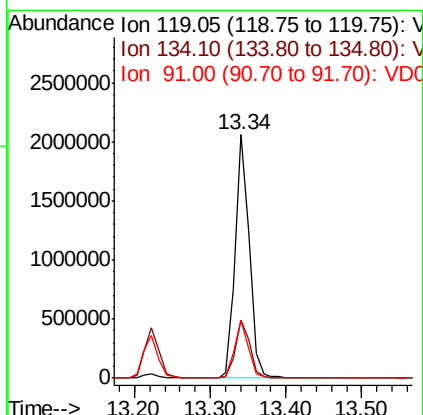
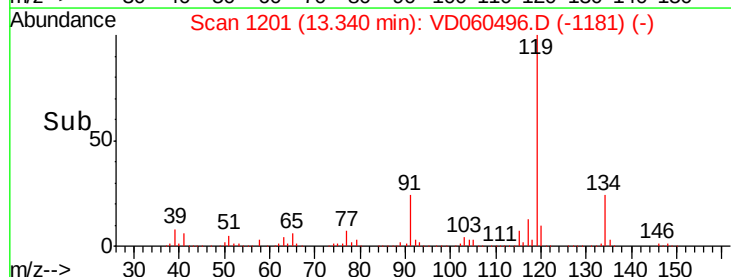
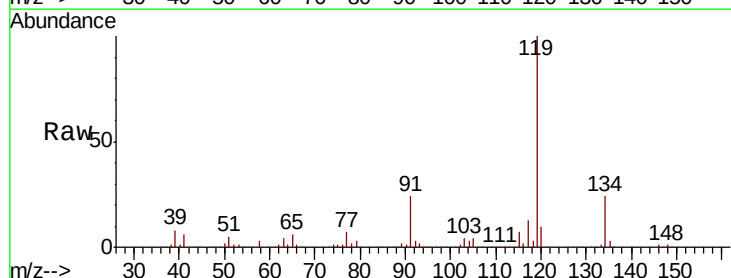
Tgt Ion:119 Resp: 2596675

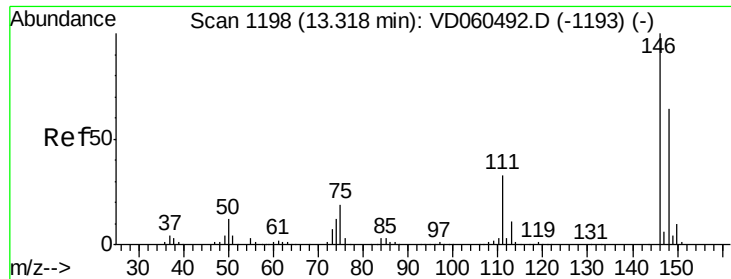
Ion Ratio Lower Upper

119 100

134 23.6 12.5 37.5

91 24.0 11.5 34.4





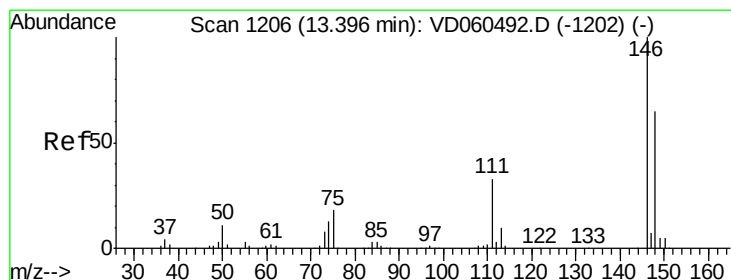
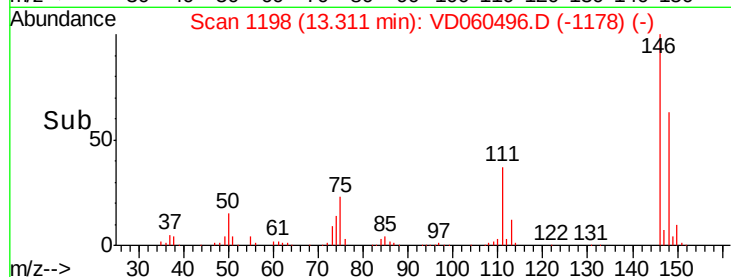
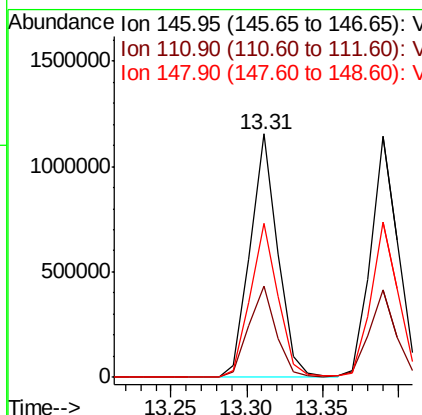
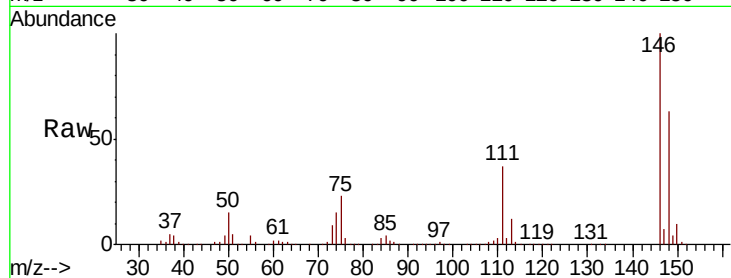
#87
 1,3-Dichlorobenzene
 Concen: 47.993 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060496.D
 Acq: 5 Dec 2018 17:26

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD120518

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	16.5	49.5
148	63.4	32.3	96.8

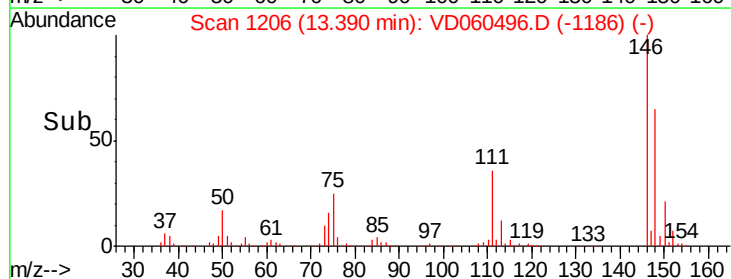
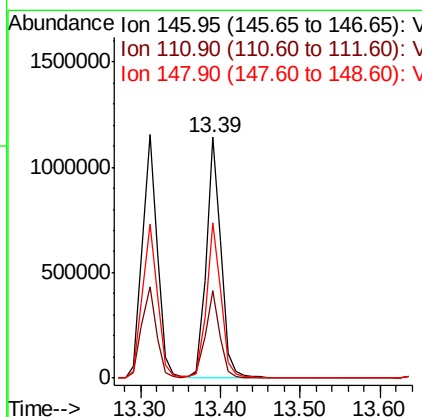
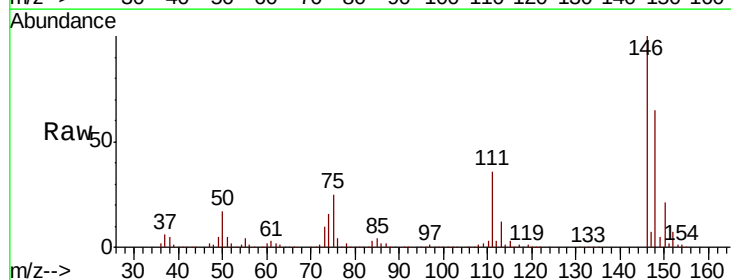
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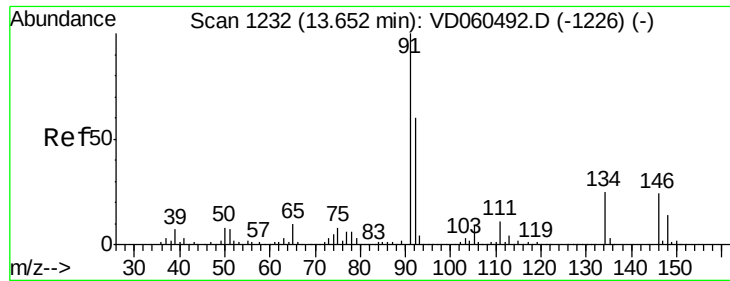
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#88
 1,4-Dichlorobenzene
 Concen: 48.408 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060496.D
 Acq: 5 Dec 2018 17:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	16.4	49.1
148	64.6	32.6	98.0





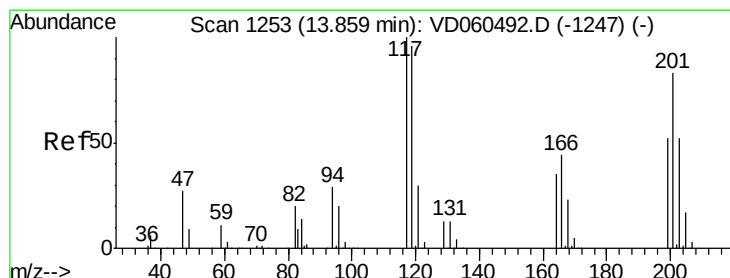
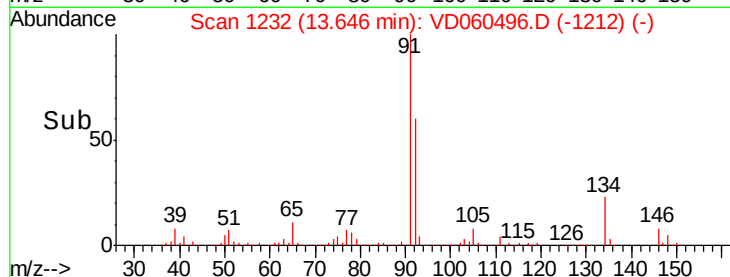
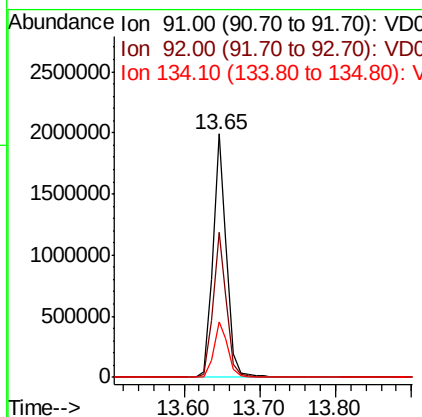
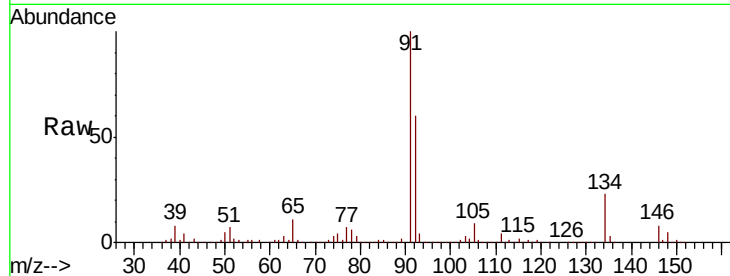
#89
n-Butylbenzene
Concen: 45.618 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

Tgt Ion: 91 Resp: 2512301
Ion Ratio Lower Upper
91 100
92 59.8 30.0 90.1
134 22.8 12.5 37.5

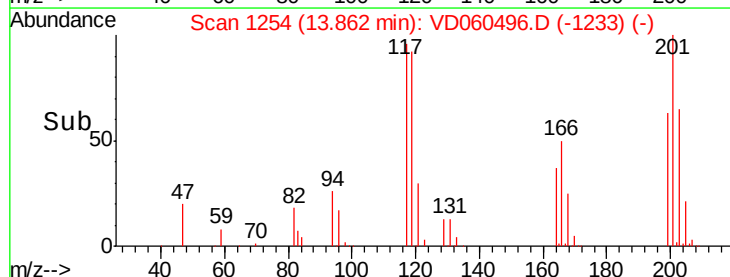
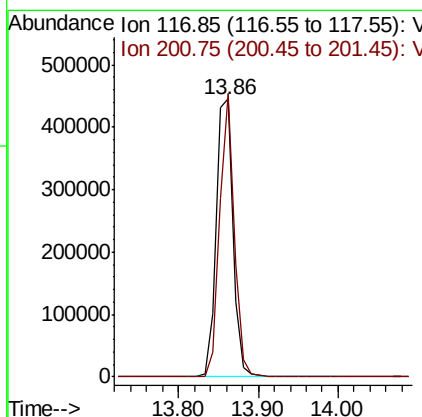
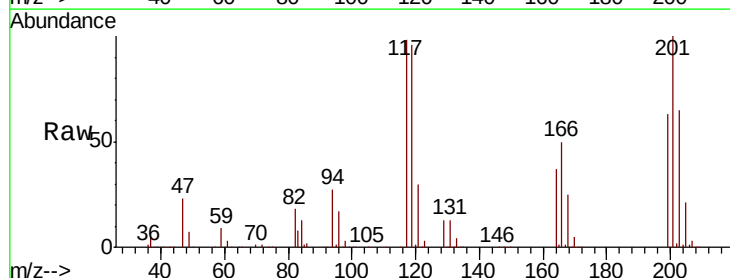
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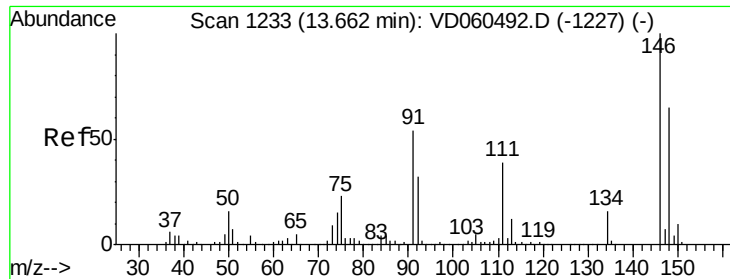
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#90
Hexachloroethane
Concen: 48.827 ug/l
RT: 13.86 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion: 117 Resp: 668832
Ion Ratio Lower Upper
117 100
201 101.9 41.3 123.9





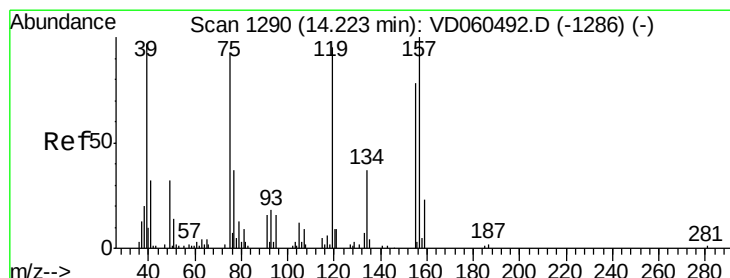
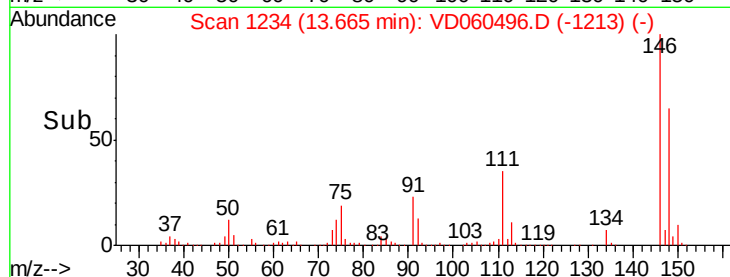
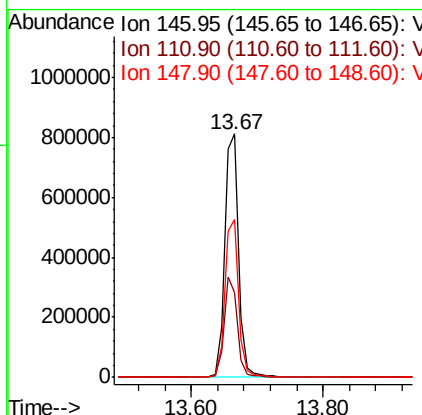
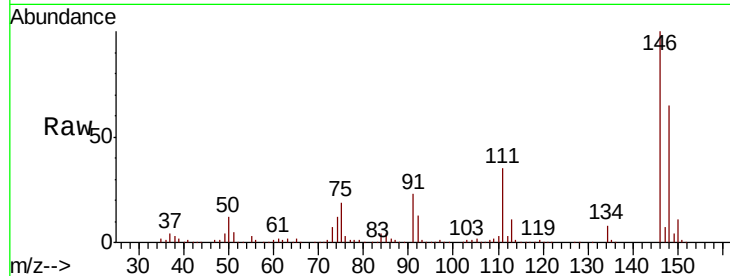
#91
 1,2-Dichlorobenzene
 Concen: 47.406 ug/l
 RT: 13.67 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: VD060496.D
 Acq: 5 Dec 2018 17:26

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD120518

Tgt Ion: 146 Resp: 1189995
 Ion Ratio Lower Upper
 146 100
 111 35.0 19.3 57.8
 148 64.6 32.3 96.8

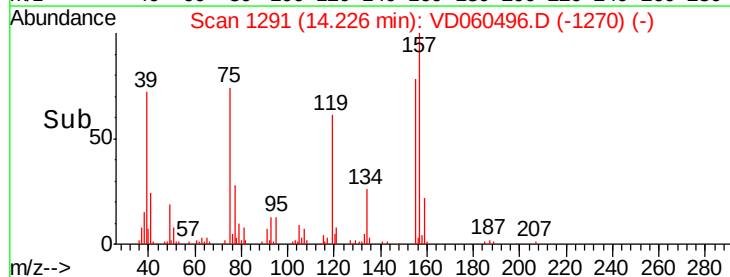
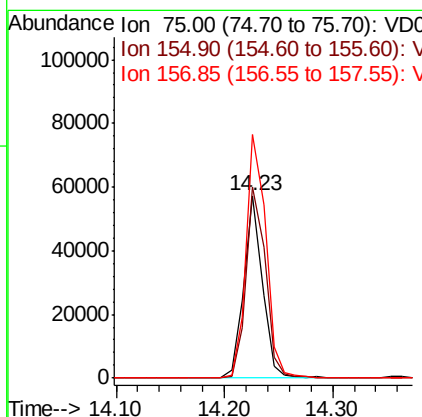
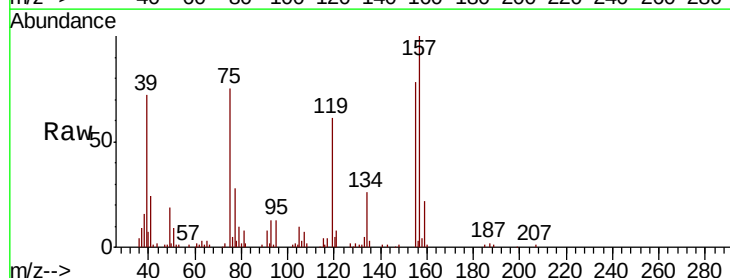
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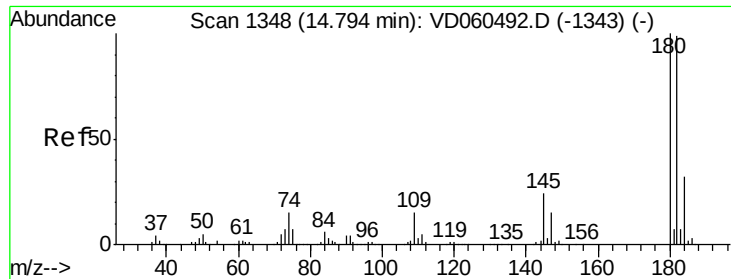
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.029 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD060496.D
 Acq: 5 Dec 2018 17:26

Tgt Ion: 75 Resp: 68895
 Ion Ratio Lower Upper
 75 100
 155 104.7 41.6 124.9
 157 133.5 53.6 160.8





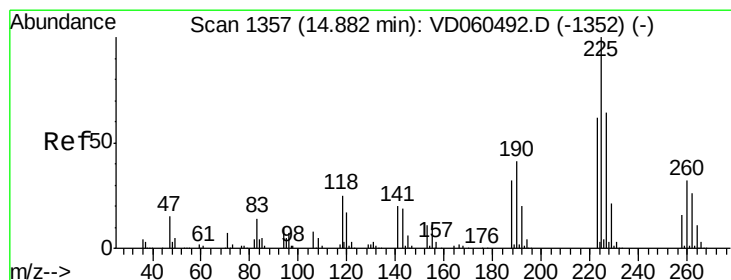
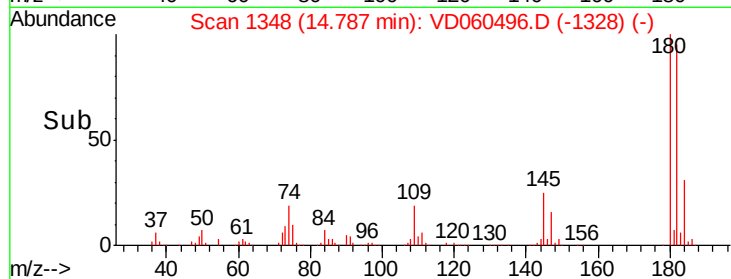
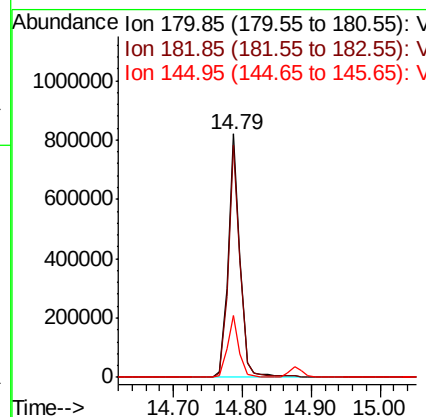
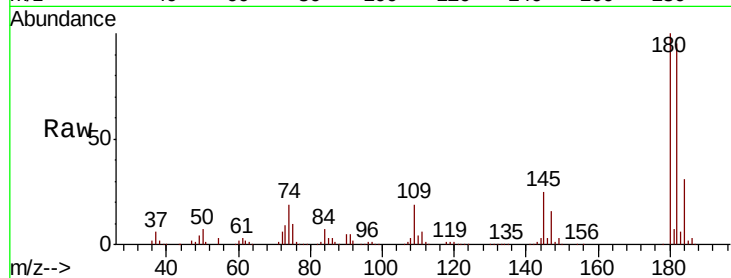
#93
 1,2,4-Trichlorobenzene
 Concen: 49.862 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060496.D
 Acq: 5 Dec 2018 17:26

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD120518

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	978457		
182	95.3	49.4	148.0	
145	25.4	11.9	35.9	

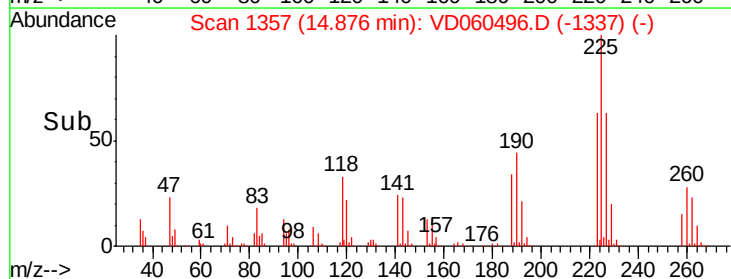
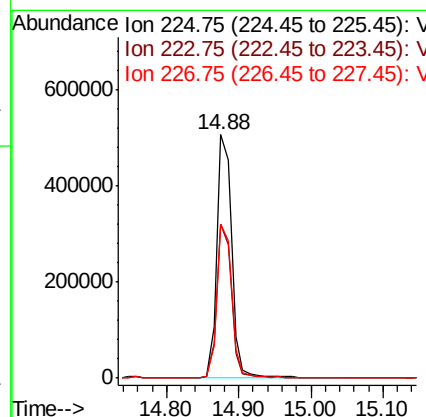
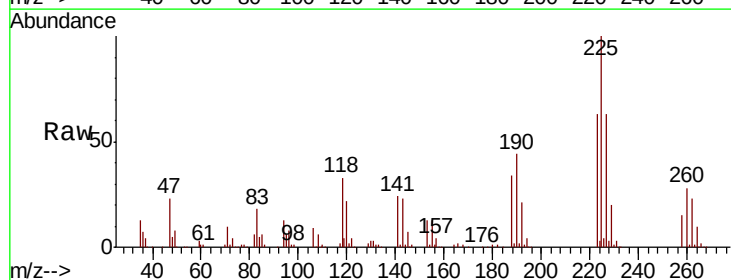
Manual Integrations
 APPROVED

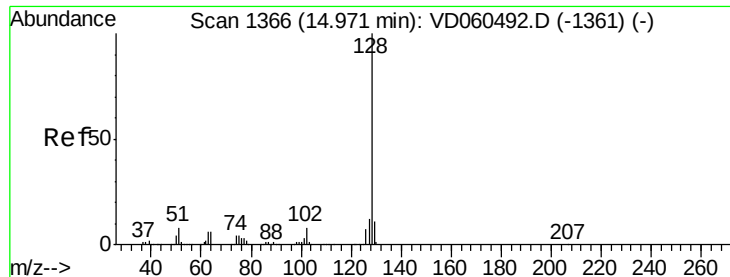
apatel
 12/6/2018 10:54:10 AM



#94
 Hexachlorobutadiene
 Concen: 49.830 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VD060496.D
 Acq: 5 Dec 2018 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	721450		
223	63.3	31.2	93.6	
227	63.0	32.0	96.0	





#95

Naphthalene

Concen: 54.589 ug/l

RT: 14.96 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120518

Tgt Ion:128 Resp: 1274378

Ion Ratio Lower Upper

128 100

127 12.5 9.8 14.8

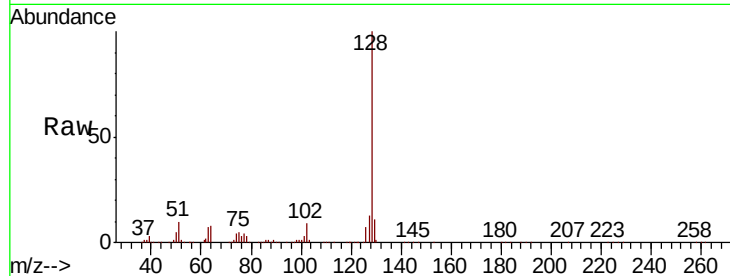
129 11.2 8.6 13.0

Manual Integrations

APPROVED

apatel

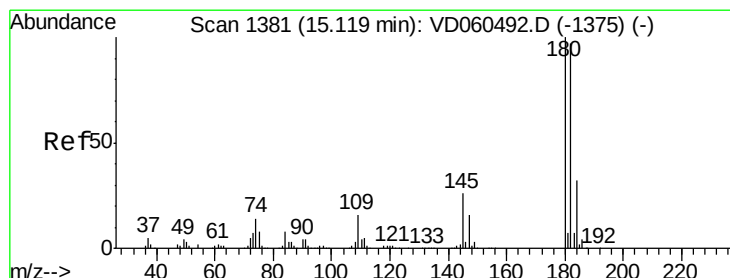
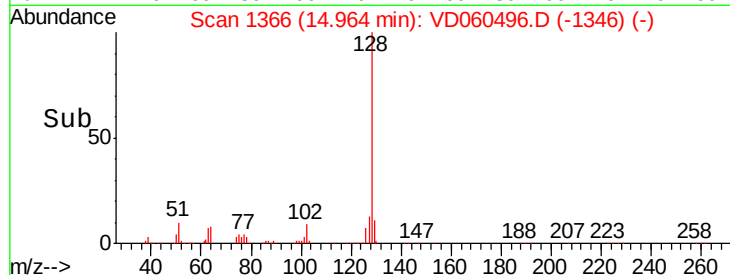
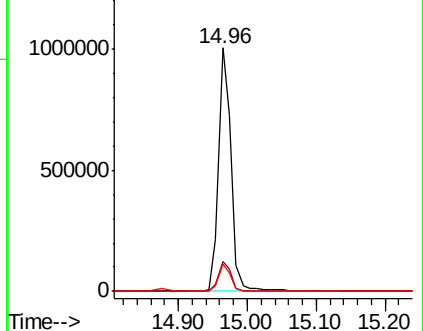
12/6/2018 10:54:10 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.943 ug/l

RT: 15.11 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

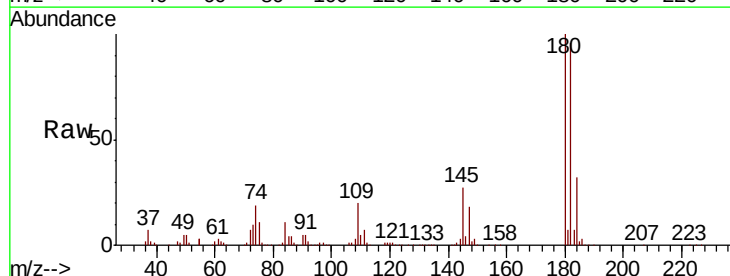
Tgt Ion:180 Resp: 812168

Ion Ratio Lower Upper

180 100

182 96.0 48.5 145.5

145 27.2 12.9 38.7



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

