

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD120518\
 Data File : VD060492.D
 Acq On : 5 Dec 2018 15:05
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 12/6/2018 10:51:42 AM

Quant Time: Dec 06 00:58:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 00:38:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1609930	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2271193	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1760236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	902163	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	588670	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
35) Dibromofluoromethane	6.33	113	860783	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
50) Toluene-d8	9.46	98	2540332	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
62) 4-Bromofluorobenzene	12.43	95	887874	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	790537	53.212	ug/l	100
3) Chloromethane	1.77	50	749632	48.594	ug/l	100
4) Vinyl Chloride	1.86	62	629133	50.052	ug/l	100
5) Bromomethane	2.17	94	190686	63.015	ug/l	100
6) Chloroethane	2.28	64	217752	52.710	ug/l	100
7) Trichlorofluoromethane	2.52	101	786550	52.982	ug/l	100
8) Diethyl Ether	2.84	74	138187	51.800	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.10	101	485143	50.354	ug/l	100
10) Methyl Iodide	3.26	142	602130	48.426	ug/l	100
11) Tert butyl alcohol	3.98	59	129445	274.817	ug/l	100
12) 1,1-Dichloroethene	3.08	96	395926	50.478	ug/l	100
13) Acrolein	2.99	56	123858	225.105	ug/l	100
14) Allyl chloride	3.55	41	777787	51.629	ug/l	100
15) Acrylonitrile	4.10	53	694363	252.623	ug/l	100
16) Acetone	3.17	43	476866	239.542	ug/l	100
17) Carbon Disulfide	3.33	76	1289638	50.632	ug/l	100
18) Methyl Acetate	3.58	43	213737	49.567	ug/l	100
19) Methyl tert-butyl Ether	4.14	73	1184570	50.612	ug/l	100
20) Methylene Chloride	3.73	84	884475	49.452	ug/l	100
21) trans-1,2-Dichloroethene	4.12	96	909197	51.944	ug/l	100
22) Diisopropyl ether	4.86	45	2855521	50.985	ug/l	100
23) Vinyl Acetate	4.82	43	7282782	260.370	ug/l	100
24) 1,1-Dichloroethane	4.77	63	1479598	51.337	ug/l	100
25) 2-Butanone	5.63	43	976885	238.717	ug/l	100
26) 2,2-Dichloropropane	5.59	77	1110400	49.799	ug/l	100
27) cis-1,2-Dichloroethene	5.60	96	922969	50.840	ug/l	100
28) Bromochloromethane	5.94	49	635967	50.014	ug/l	100
29) Tetrahydrofuran	5.96	42	544287	249.511	ug/l	100
30) Chloroform	6.11	83	1495031	51.881	ug/l	100
31) Cyclohexane	6.37	56	1309784	47.735	ug/l	100
32) 1,1,1-Trichloroethane	6.30	97	1241570	51.302	ug/l	100
36) 1,1-Dichloropropene	6.53	75	1133189	50.472	ug/l	100
37) Ethyl Acetate	5.70	43	529087	51.454	ug/l	100
38) Carbon Tetrachloride	6.51	117	1023332	49.408	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	1294349	50.266	ug/l	100
40) Benzene	6.80	78	2917889	51.073	ug/l	100
41) Methacrylonitrile	5.93	41	251192m	23.632	ug/l	
42) 1,2-Dichloroethane	6.90	62	745037	50.118	ug/l	100
43) Isopropyl Acetate	8.35	43	640070	49.977	ug/l	100
44) Trichloroethene	7.75	130	897548	51.785	ug/l	100
45) 1,2-Dichloropropane	8.11	63	735568	51.173	ug/l	100
46) Dibromomethane	8.22	93	435418	51.622	ug/l	100
47) Bromodichloromethane	8.50	83	1021142	51.589	ug/l	100
48) Methyl methacrylate	8.25	41	392066	50.191	ug/l	100
49) 1,4-Dioxane	8.23	88	72800	1066.904	ug/l	100
51) 4-Methyl-2-Pentanone	9.34	43	2015894	241.526	ug/l	100
52) Toluene	9.55	92	1839384	50.457	ug/l	100
53) t-1,3-Dichloropropene	9.92	75	843627	50.673	ug/l	100
54) cis-1,3-Dichloropropene	9.11	75	1110817	51.593	ug/l	100
55) 1,1,2-Trichloroethane	10.19	97	506249	47.958	ug/l	100
56) Ethyl methacrylate	10.03	69	503586	52.243	ug/l	100
57) 1,3-Dichloropropane	10.39	76	798763	49.849	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.93	63	1386817	239.112	ug/l	100
59) 2-Hexanone	10.49	43	1452597	245.555	ug/l	100
60) Dibromochloromethane	10.64	129	679296	53.027	ug/l	100
61) 1,2-Dibromoethane	10.76	107	546952	51.793	ug/l	100
64) Tetrachloroethene	10.26	164	818180	51.921	ug/l	100
65) Chlorobenzene	11.31	112	1921654	50.534	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	625109	50.267	ug/l	100
67) Ethyl Benzene	11.43	91	3234646	49.544	ug/l	100
68) m/p-Xylenes	11.57	106	2443823	101.726	ug/l	100
69) o-Xylene	11.94	106	1183613	51.049	ug/l	100
70) Styrene	11.96	104	1919188	50.955	ug/l	100
71) Bromoform	12.12	173	450853	53.776	ug/l	100
73) Isopropylbenzene	12.27	105	3239910	49.123	ug/l	100
74) N-amyl acetate	12.14	43	864432	51.420	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.56	83	522234	48.921	ug/l	100
76) 1,2,3-Trichloropropane	12.60	75	539314	50.185	ug/l	100
77) Bromobenzene	12.54	156	865807	49.651	ug/l	100
78) n-propylbenzene	12.64	91	4050714	49.524	ug/l	100
79) 2-Chlorotoluene	12.71	91	2216064	49.219	ug/l	100
80) 1,3,5-Trimethylbenzene	12.80	105	2451305	48.221	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	158246	51.690	ug/l	100
82) 4-Chlorotoluene	12.82	91	2435920	48.341	ug/l	100
83) tert-Butylbenzene	13.05	119	2850016	50.359	ug/l	100
84) 1,2,4-Trimethylbenzene	13.09	105	2568466	50.433	ug/l	100
85) sec-Butylbenzene	13.22	105	3366225	48.716	ug/l	100
86) p-Isopropyltoluene	13.35	119	2715432	48.873	ug/l	100
87) 1,3-Dichlorobenzene	13.32	146	1569730	50.646	ug/l	100
88) 1,4-Dichlorobenzene	13.40	146	1509766	49.975	ug/l	100
89) n-Butylbenzene	13.65	91	2747632	48.323	ug/l	100
90) Hexachloroethane	13.86	117	703291	52.616	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	1248458	49.142	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.22	75	65303	50.833	ug/l	100

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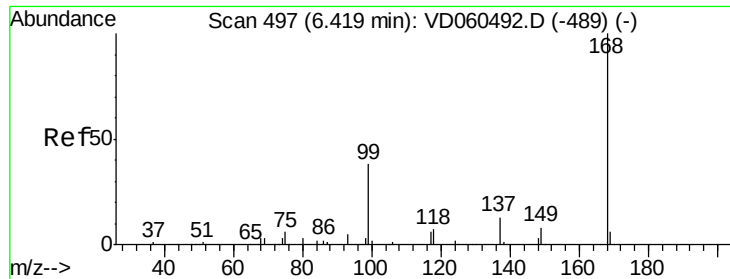
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1007808	50.080	ug/l	100
94) Hexachlorobutadiene	14.88	225	735887	49.094	ug/l	100
95) Naphthalene	14.97	128	1277940	51.736	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	792447	49.276	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 497

Delta R.T. 0.00 min

Lab File: VD060492.D

Acq: 5 Dec 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 168 Resp: 1609930

Ion Ratio Lower Upper

168 100

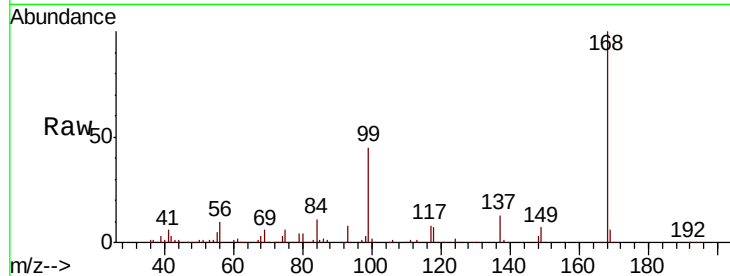
99 44.5 35.6 53.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

600000

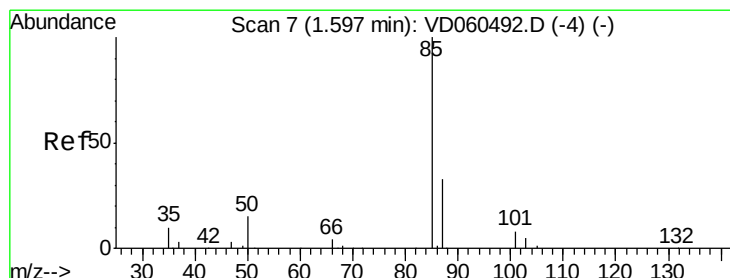
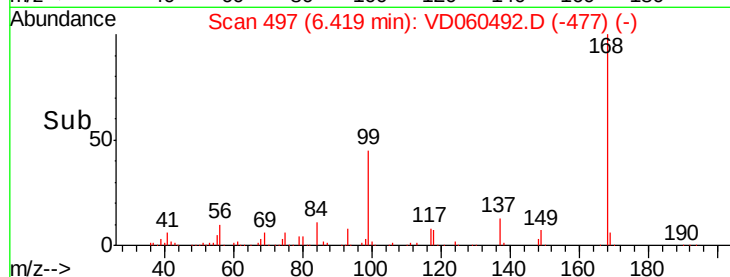
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 53.212 ug/l

RT: 1.60 min Scan# 7

Delta R.T. 0.00 min

Lab File: VD060492.D

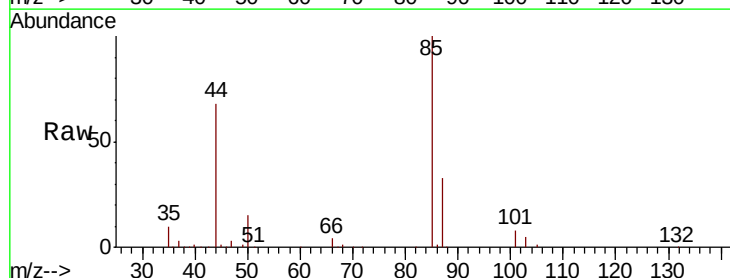
Acq: 5 Dec 2018 15:05

Tgt Ion: 85 Resp: 790537

Ion Ratio Lower Upper

85 100

87 33.3 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

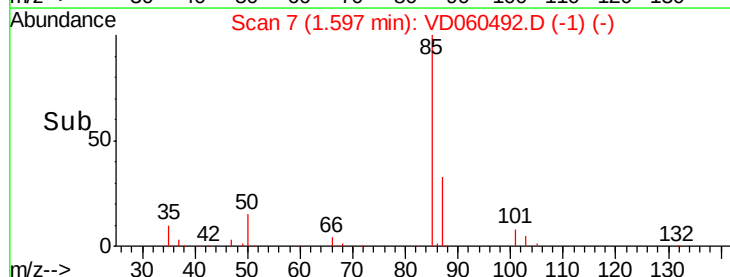
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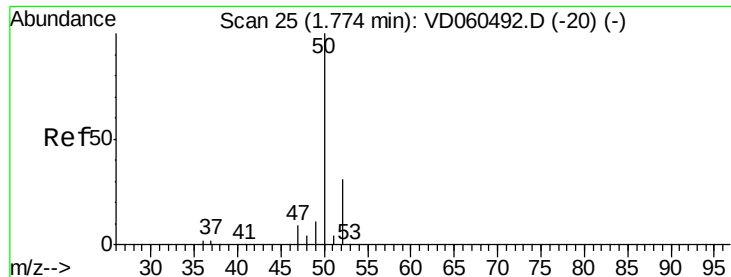
100000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 48.594 ug/l

RT: 1.77 min Scan# 25

Delta R.T. 0.00 min

Lab File: VD060492.D

Acq: 5 Dec 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 50 Resp: 749632

Ion Ratio Lower Upper

50 100

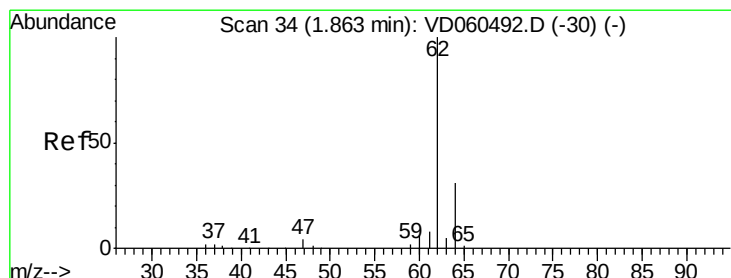
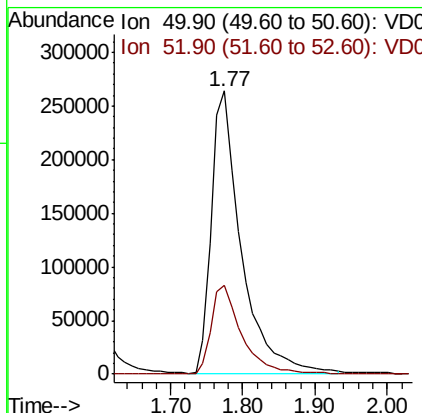
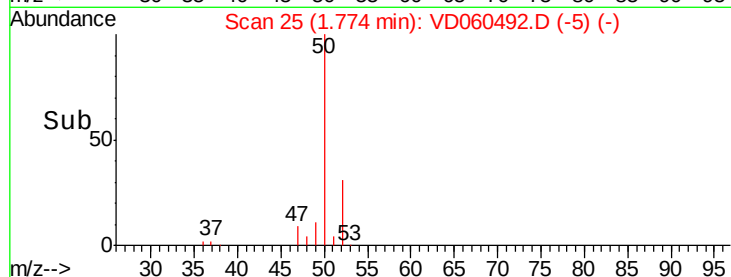
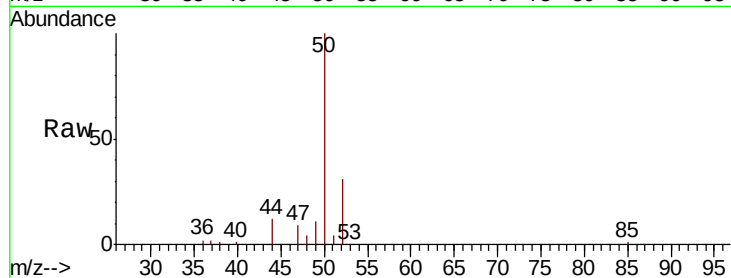
52 31.2 25.0 37.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.052 ug/l

RT: 1.86 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD060492.D

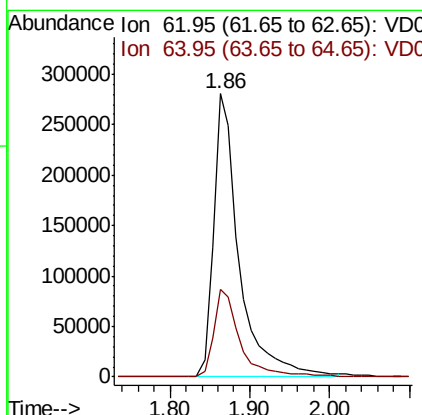
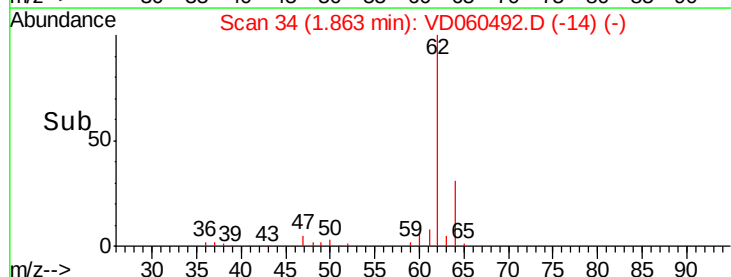
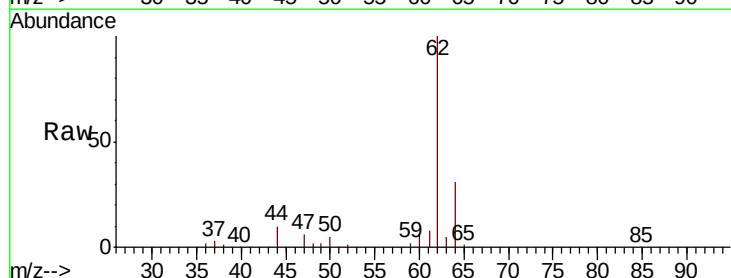
Acq: 5 Dec 2018 15:05

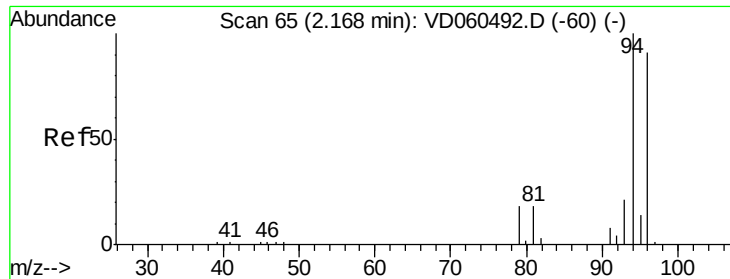
Tgt Ion: 62 Resp: 629133

Ion Ratio Lower Upper

62 100

64 30.8 24.6 37.0





#5

Bromomethane

Concen: 63.015 ug/l

RT: 2.17 min Scan# 65

Delta R.T. 0.00 min

Lab File: VD060492.D

Acq: 5 Dec 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 94 Resp: 190686

Ion Ratio Lower Upper

94 100

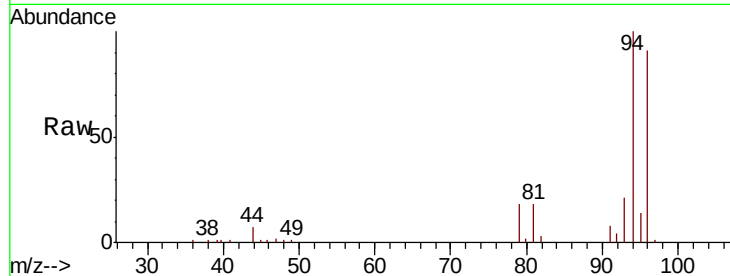
96 90.7 72.6 108.8

Manual Integrations

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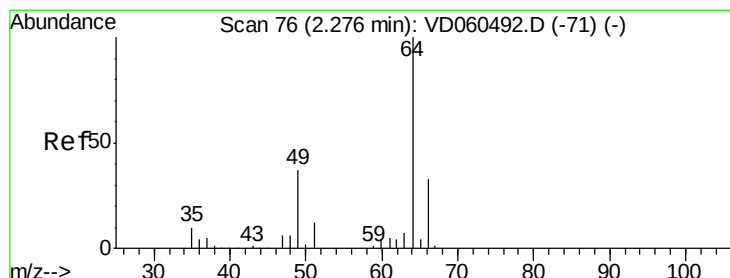
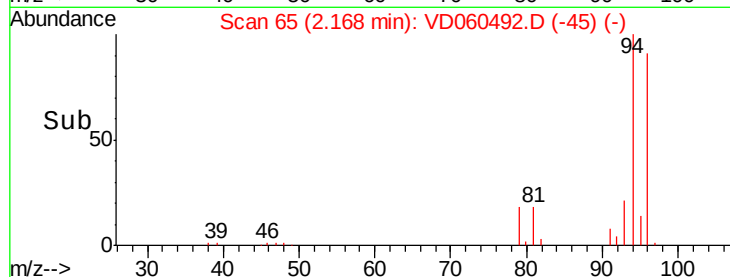
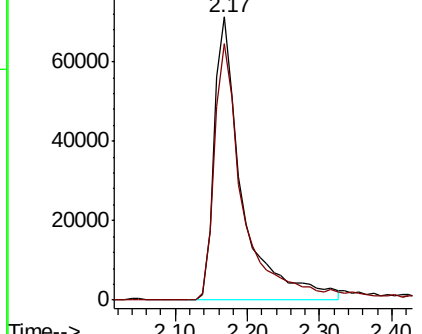
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 52.710 ug/l

RT: 2.28 min Scan# 76

Delta R.T. 0.00 min

Lab File: VD060492.D

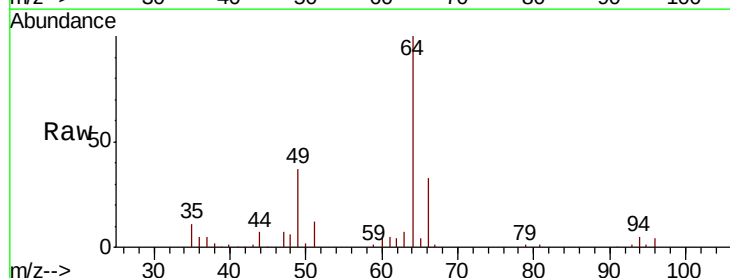
Acq: 5 Dec 2018 15:05

Tgt Ion: 64 Resp: 217752

Ion Ratio Lower Upper

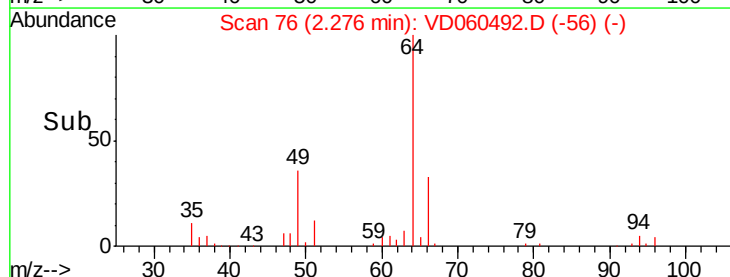
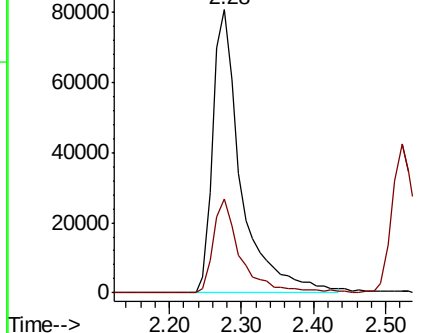
64 100

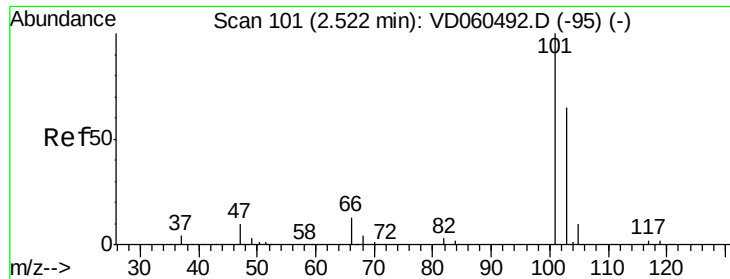
66 33.0 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

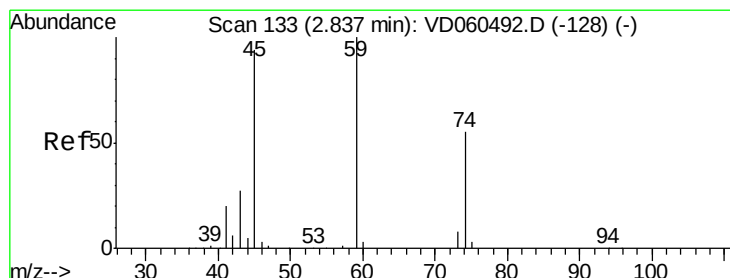
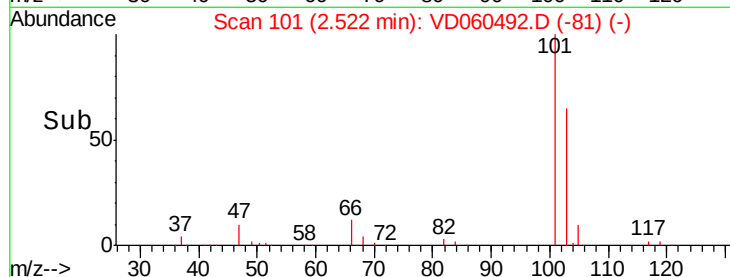
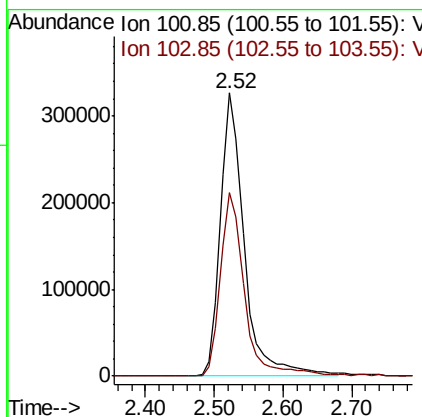
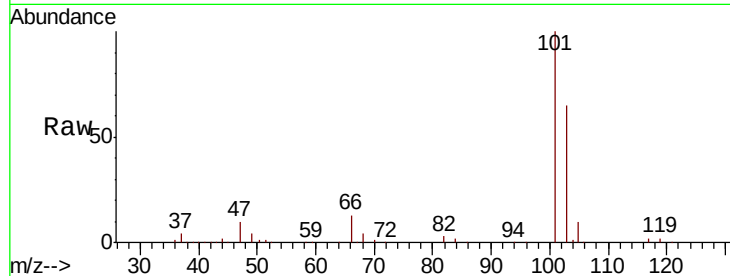
Trichlorofluoromethane
Concen: 52.982 ug/l
RT: 2.52 min Scan# 101
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

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Tgt Ion: 101 Resp: 786550
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.8

Manual Integrations
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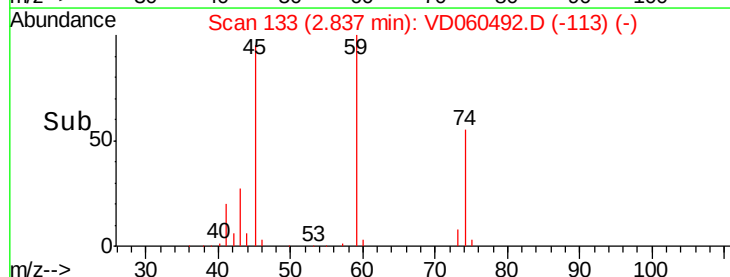
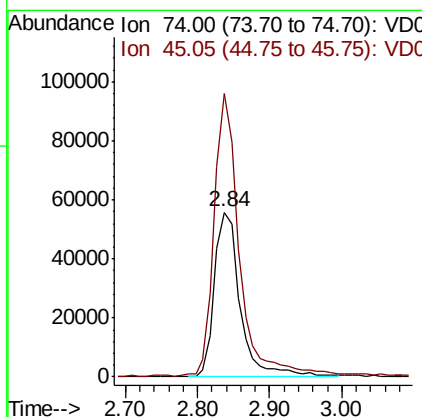
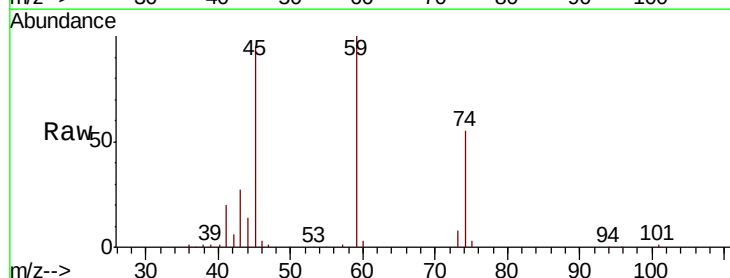
apatel
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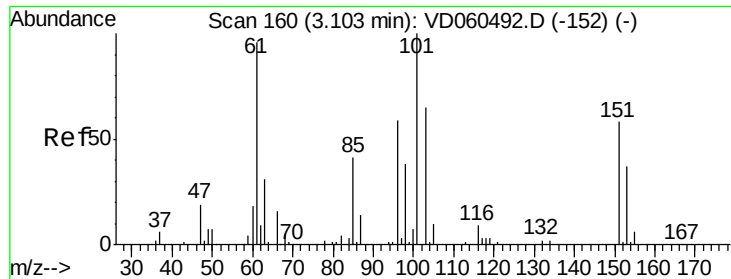


#8

Diethyl Ether
Concen: 51.800 ug/l
RT: 2.84 min Scan# 133
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Tgt Ion: 74 Resp: 138187
Ion Ratio Lower Upper
74 100
45 172.0 86.0 258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.354 ug/l

RT: 3.10 min Scan# 160

Delta R.T. 0.00 min

Lab File: VD060492.D

Acq: 5 Dec 2018 15:05

Instrument :

MSVOA_D

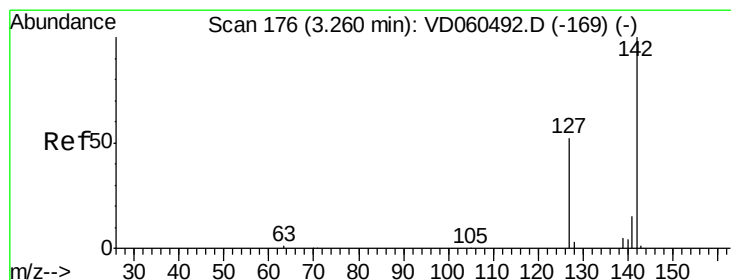
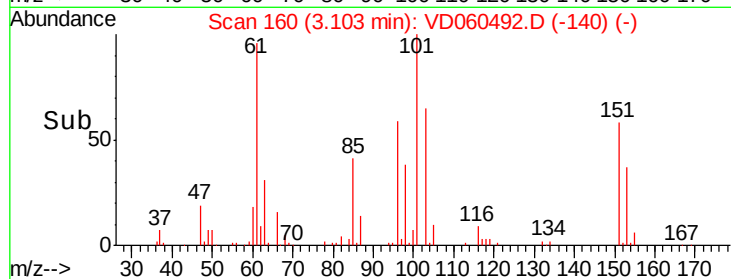
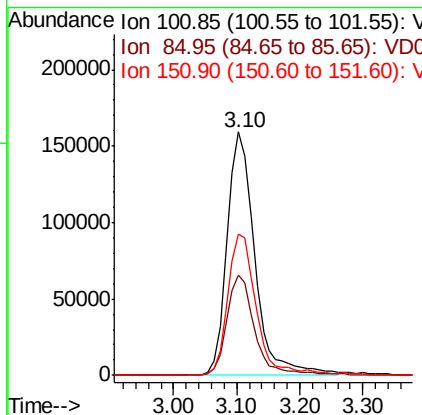
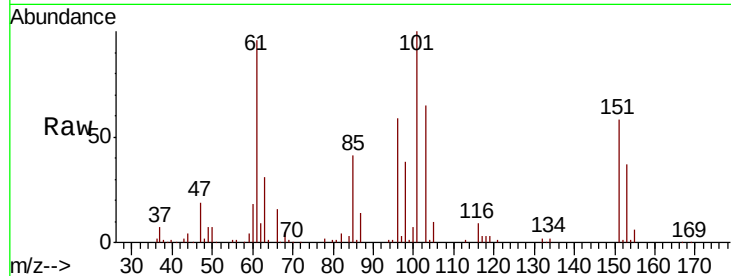
ClientSampleId :

VSTDICCC050

Tgt Ion:	101	Resp:	485143
Ion Ratio	Lower	Upper	
101	100		
85	40.9	32.7	49.1
151	58.2	46.6	69.8

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#10

Methyl Iodide

Concen: 48.426 ug/l

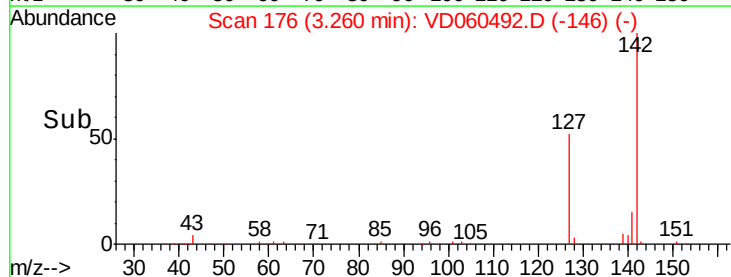
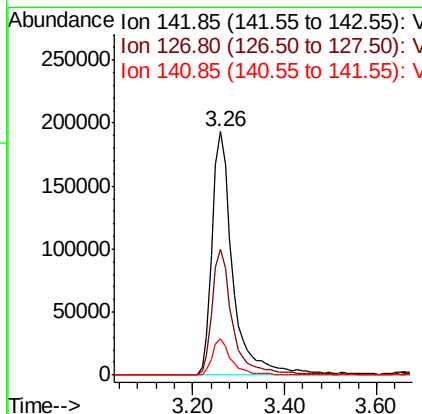
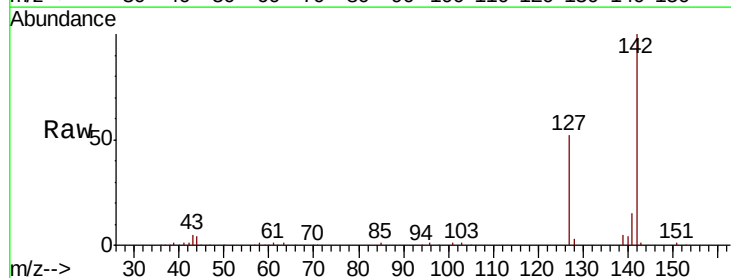
RT: 3.26 min Scan# 176

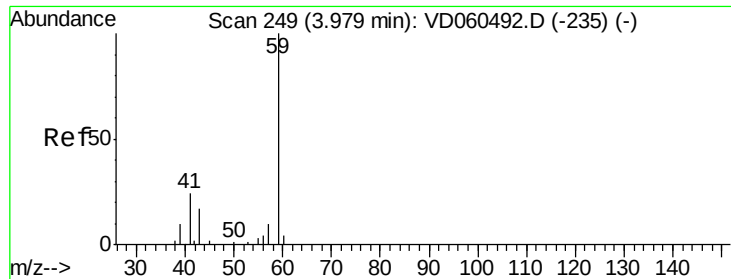
Delta R.T. 0.00 min

Lab File: VD060492.D

Acq: 5 Dec 2018 15:05

Tgt Ion:	142	Resp:	602130
Ion Ratio	Lower	Upper	
142	100		
127	51.5	41.2	61.8
141	14.9	11.9	17.9





#11

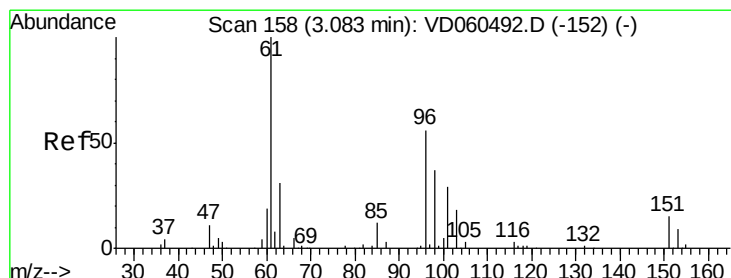
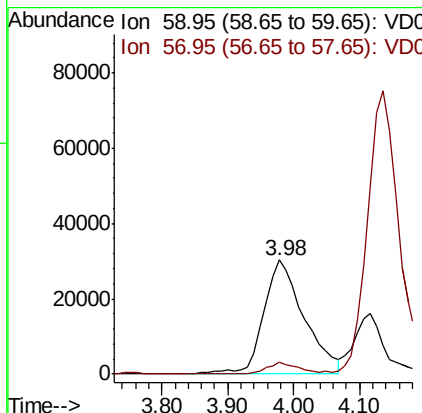
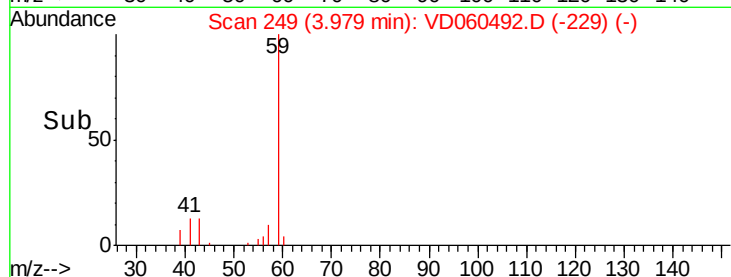
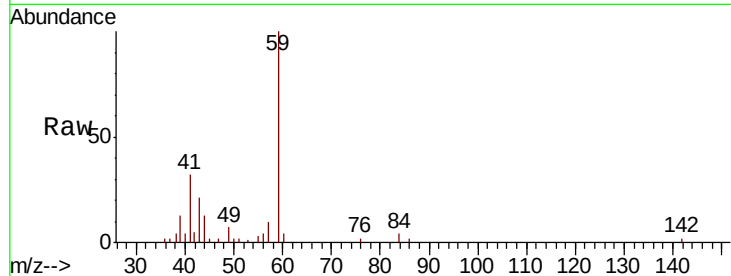
Tert butyl alcohol
Concen: 274.817 ug/l
RT: 3.98 min Scan# 249
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1

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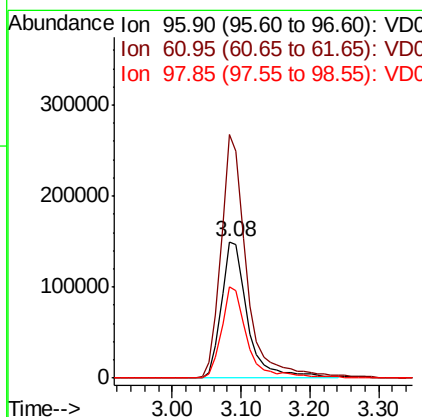
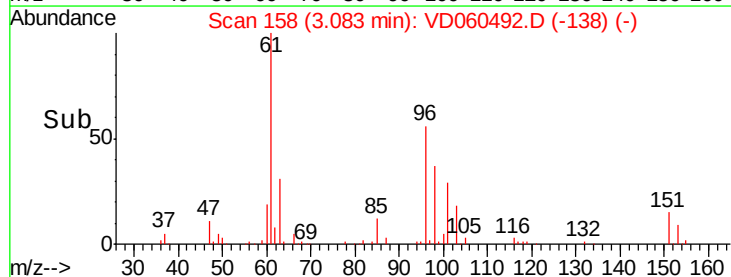
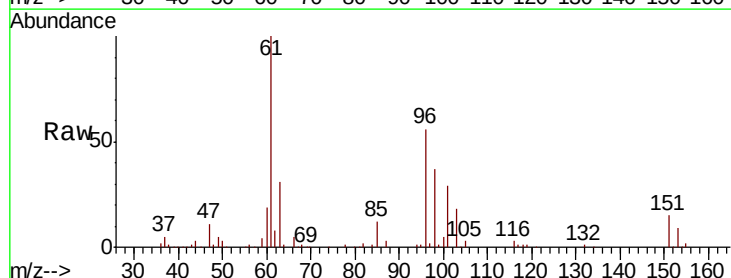
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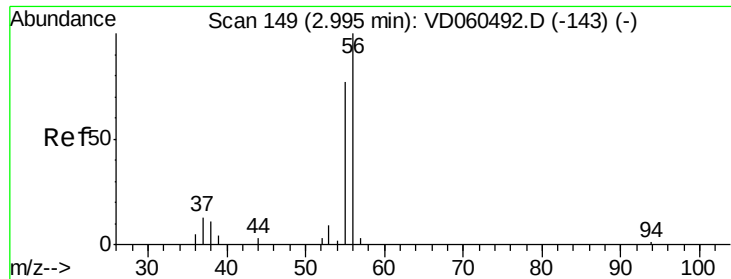


#12

1,1-Dichloroethene
Concen: 50.478 ug/l
RT: 3.08 min Scan# 158
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.7	143.0	214.4
98	66.7	53.4	80.0





#13

Acrolein

Concen: 225.105 ug/l

RT: 2.99 min Scan# 149

Delta R.T. 0.00 min

Lab File: VD060492.D

Acq: 5 Dec 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 123858

Ion Ratio Lower Upper

56 100

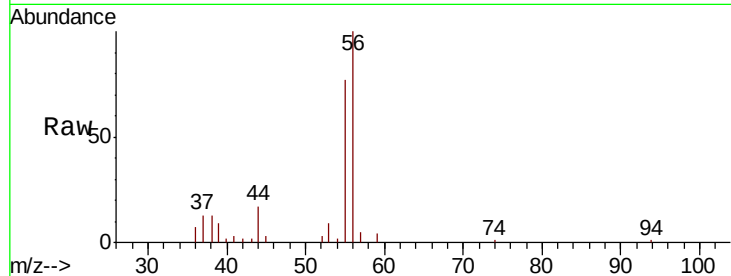
55 77.5 62.0 93.0

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.99

40000

30000

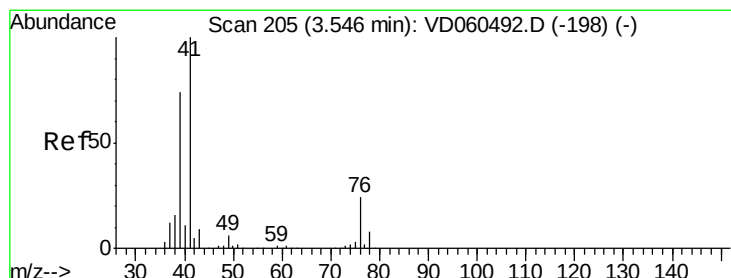
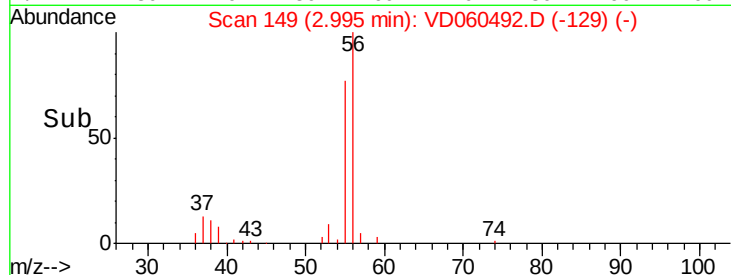
20000

10000

0

Time-->

2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 51.629 ug/l

RT: 3.55 min Scan# 205

Delta R.T. 0.00 min

Lab File: VD060492.D

Acq: 5 Dec 2018 15:05

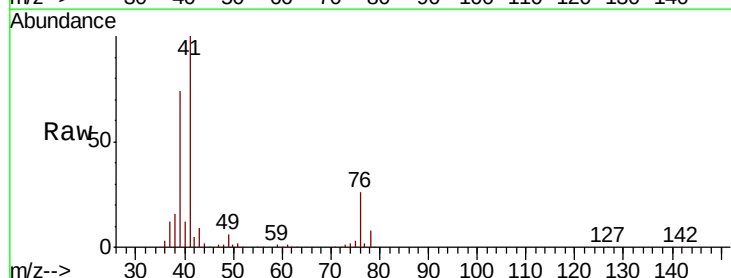
Tgt Ion: 41 Resp: 777787

Ion Ratio Lower Upper

41 100

39 74.1 59.3 88.9

76 26.3 21.0 31.6



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.55

400000

300000

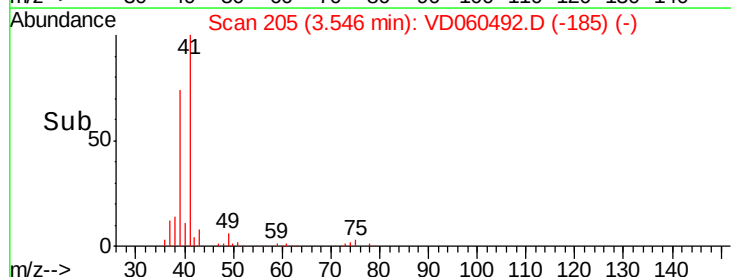
200000

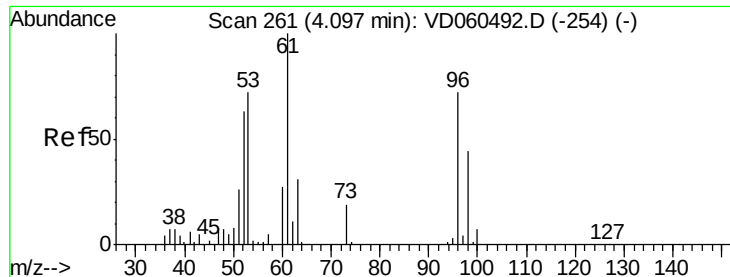
100000

0

Time-->

3.50 3.60





#15

Acrylonitrile

Concen: 252.623 ug/l

RT: 4.10 min Scan# 261

Delta R.T. 0.00 min

Lab File: VD060492.D

Acq: 5 Dec 2018 15:05

Instrument :

MSVOA_D

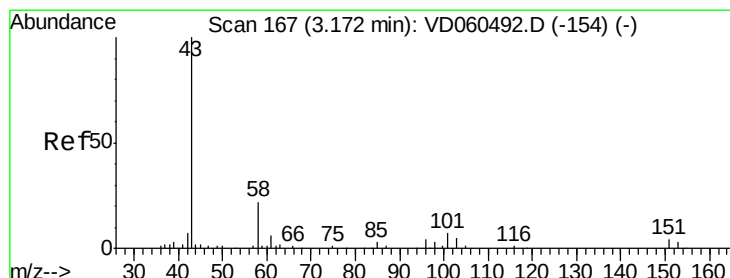
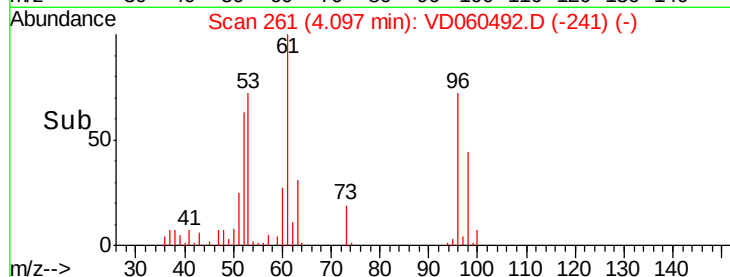
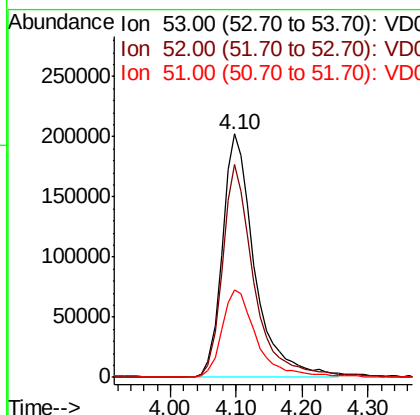
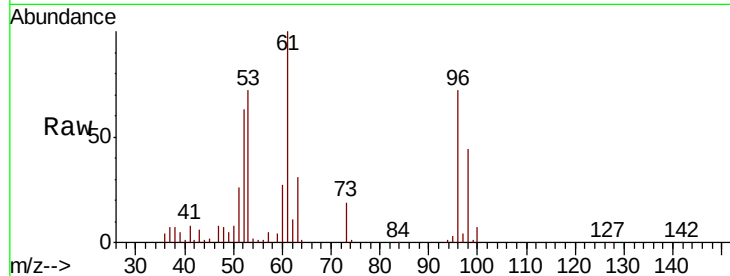
ClientSampleId :

VSTDICCC050

Tgt Ion:	53	Resp:	694363
Ion Ratio	Lower	Upper	
53	100		
52	87.5	70.0	105.0
51	36.0	28.8	43.2

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#16

Acetone

Concen: 239.542 ug/l

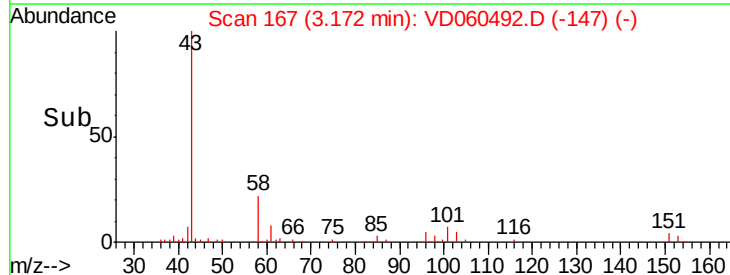
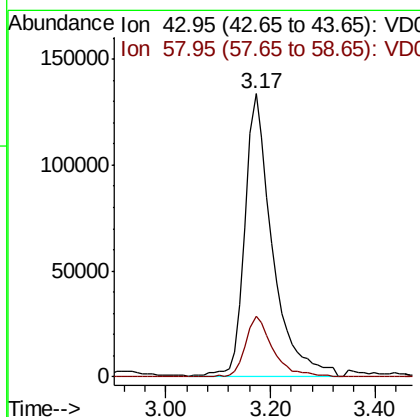
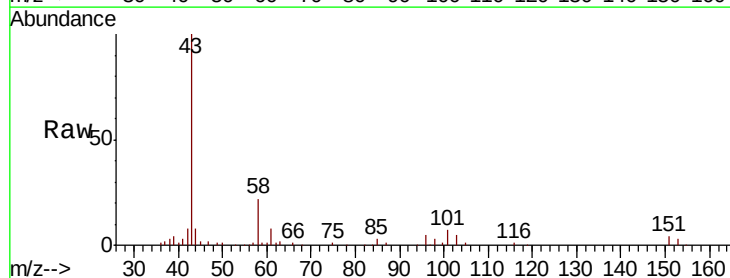
RT: 3.17 min Scan# 167

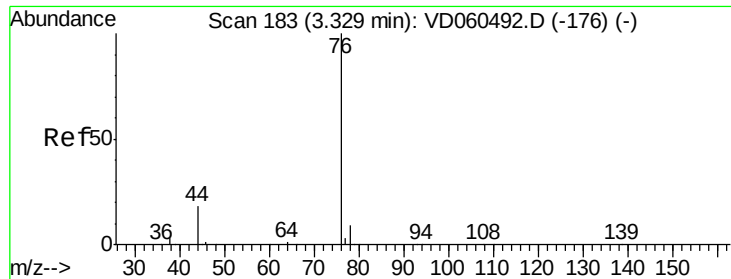
Delta R.T. 0.00 min

Lab File: VD060492.D

Acq: 5 Dec 2018 15:05

Tgt Ion:	43	Resp:	476866
Ion Ratio	Lower	Upper	
43	100		
58	21.6	17.3	25.9





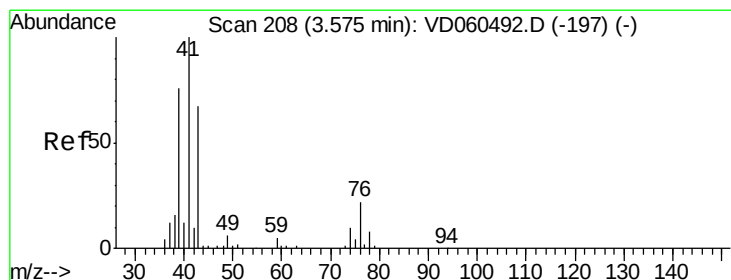
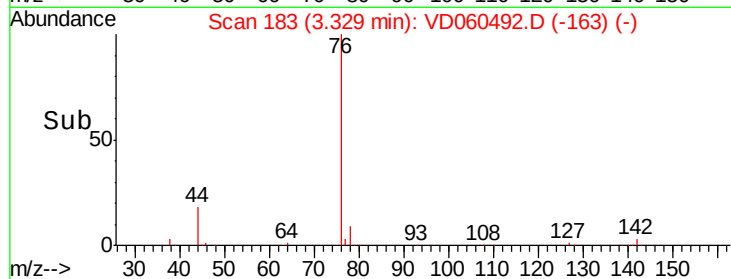
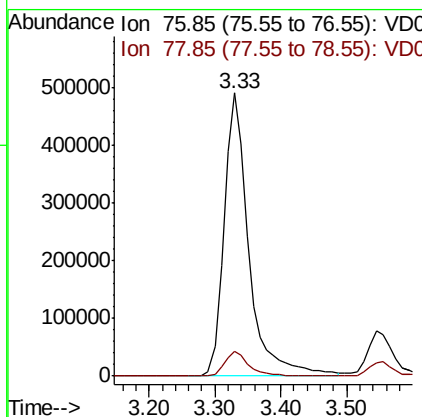
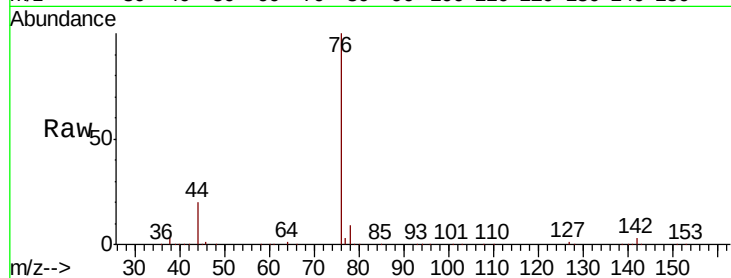
#17
Carbon Disulfide
Concen: 50.632 ug/l
RT: 3.33 min Scan# 183
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 1289638
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6

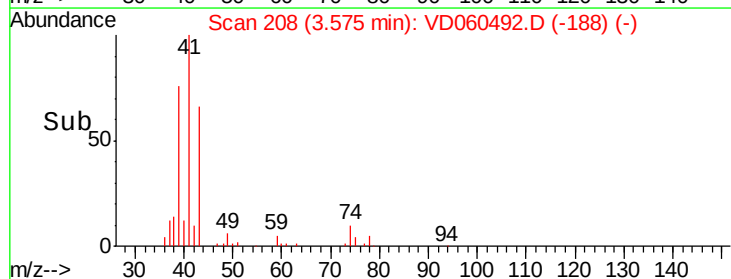
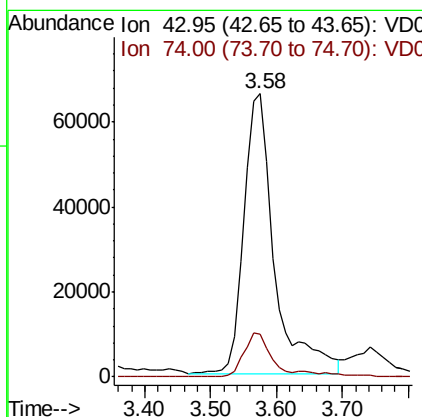
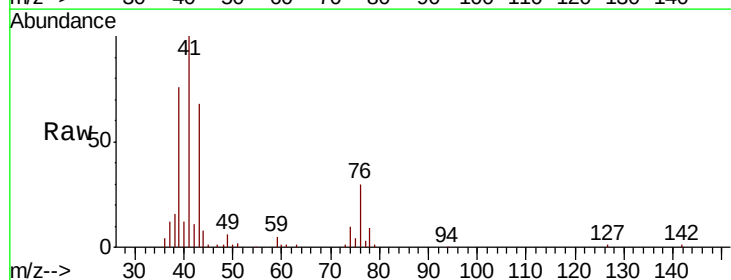
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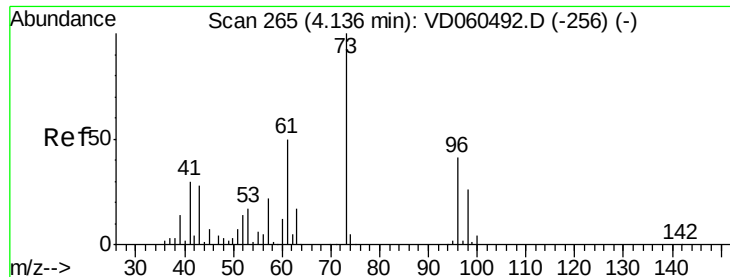
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#18
Methyl Acetate
Concen: 49.567 ug/l
RT: 3.58 min Scan# 208
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Tgt Ion: 43 Resp: 213737
Ion Ratio Lower Upper
43 100
74 15.0 12.0 18.0





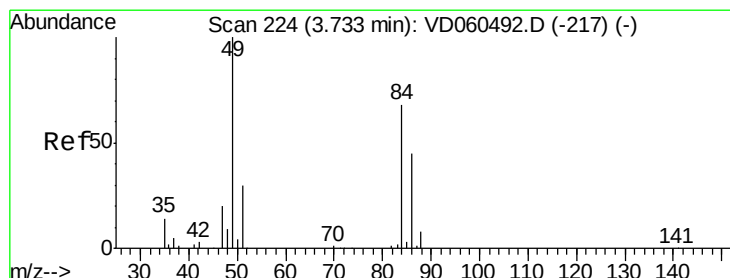
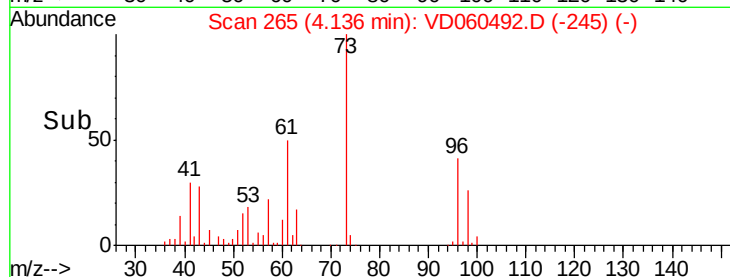
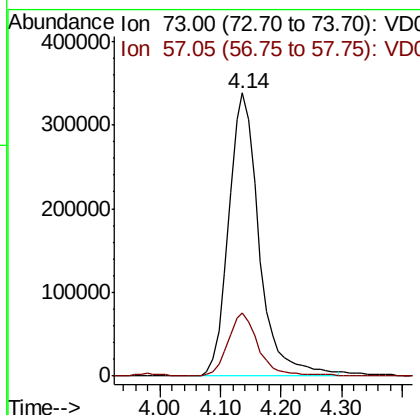
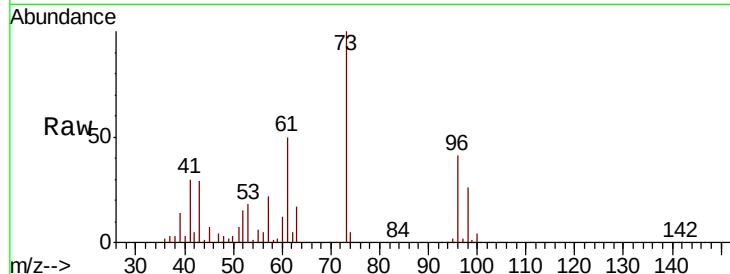
#19
Methyl tert-butyl Ether
Concen: 50.612 ug/l
RT: 4.14 min Scan# 265
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 1184570
Ion Ratio Lower Upper
73 100
57 22.2 17.8 26.6

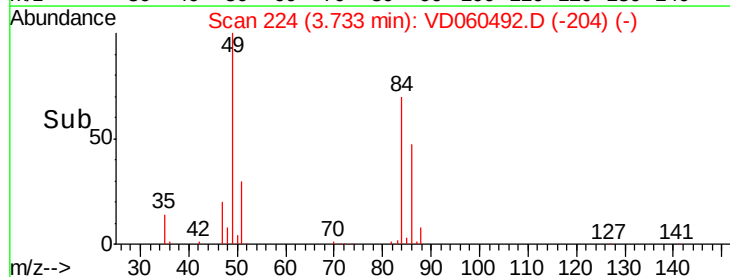
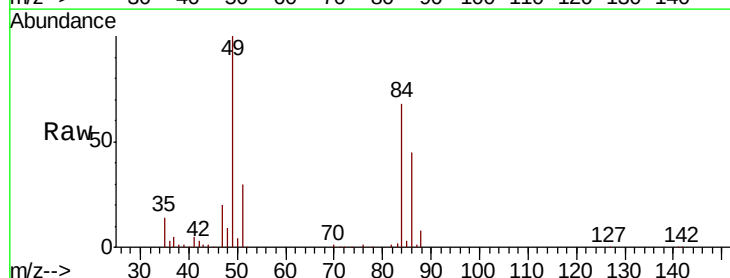
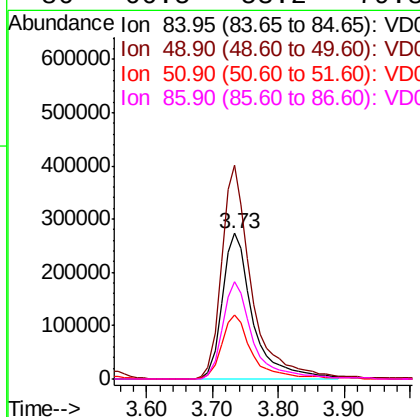
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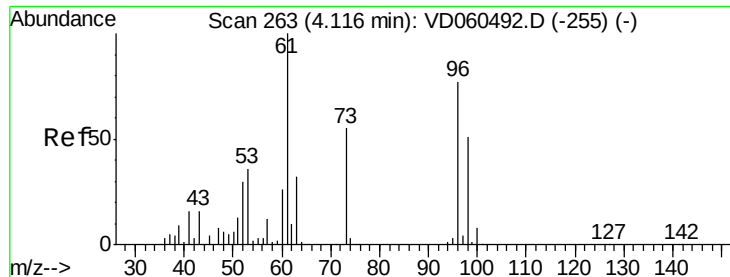
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#20
Methylene Chloride
Concen: 49.452 ug/l
RT: 3.73 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Tgt Ion: 84 Resp: 884475
Ion Ratio Lower Upper
84 100
49 146.5 117.2 175.8
51 44.1 35.3 52.9
86 66.5 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 51.944 ug/l

RT: 4.12 min Scan# 263

Delta R.T. 0.00 min

Lab File: VD060492.D

Acq: 5 Dec 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 909197
Ion Ratio Lower Upper

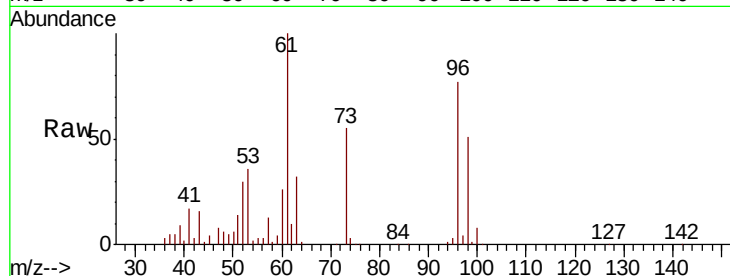
96 100

61 130.3 104.2 156.4

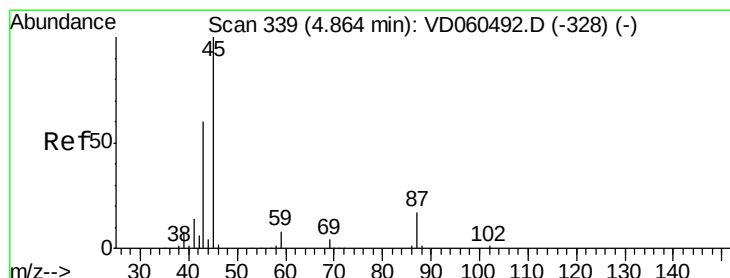
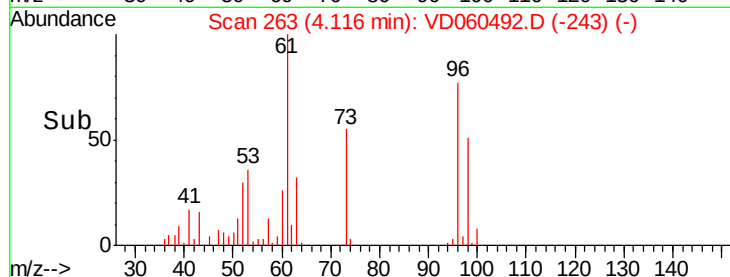
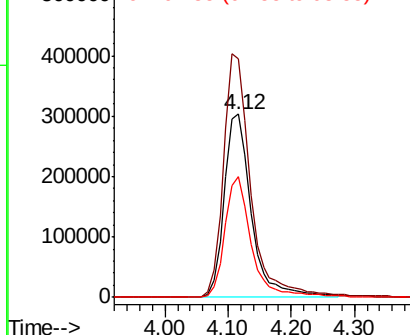
98 66.0 52.8 79.2

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



#22

Diisopropyl ether

Concen: 50.985 ug/l

RT: 4.86 min Scan# 339

Delta R.T. 0.00 min

Lab File: VD060492.D

Acq: 5 Dec 2018 15:05

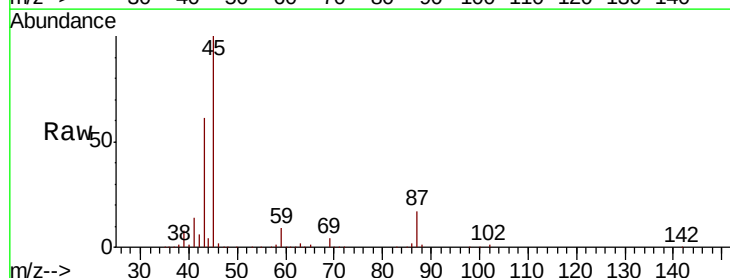
Tgt Ion: 45 Resp: 2855521
Ion Ratio Lower Upper

45 100

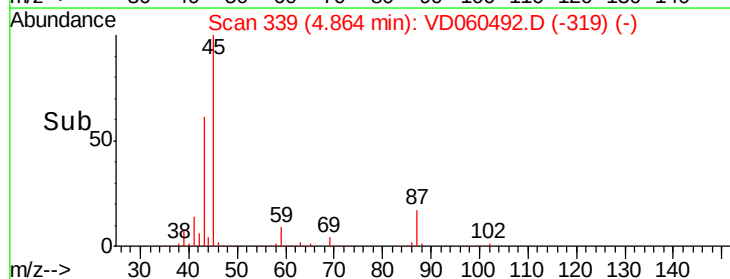
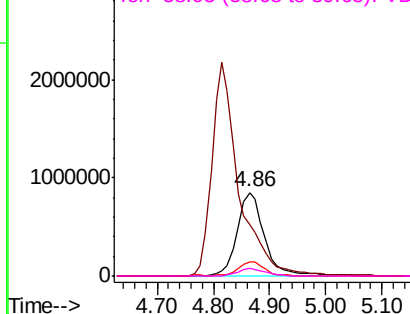
43 60.8 48.6 73.0

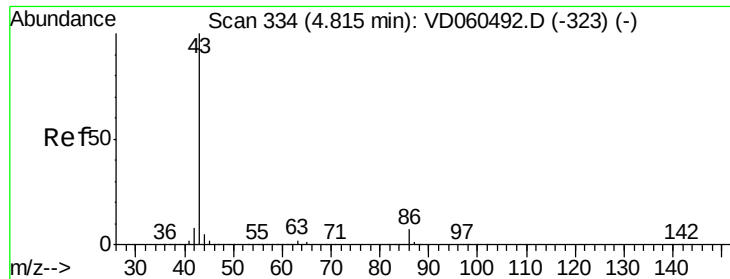
87 17.5 14.0 21.0

59 8.6 6.9 10.3



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 260.370 ug/l

RT: 4.82 min Scan# 334

Delta R.T. 0.00 min

Lab File: VD060492.D

Acq: 5 Dec 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 7282782

Ion Ratio Lower Upper

43 100

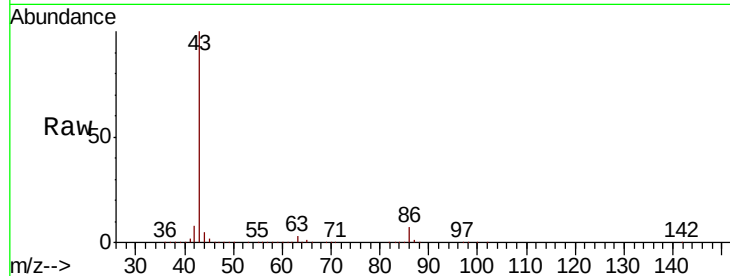
86 6.9 5.5 8.3

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Abundance Ion 42.95 (42.65 to 43.65): VD060492.D (-323) (-)

Ion 86.00 (85.70 to 86.70): VD060492.D (-323) (-)

2500000

2000000

1500000

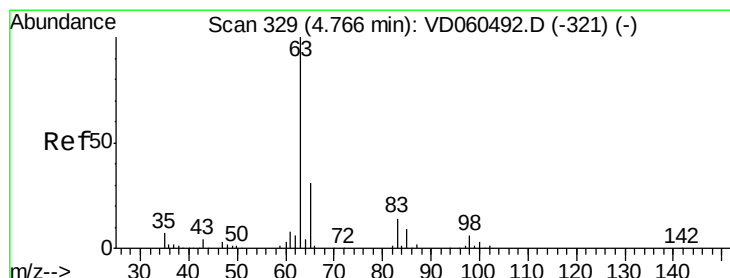
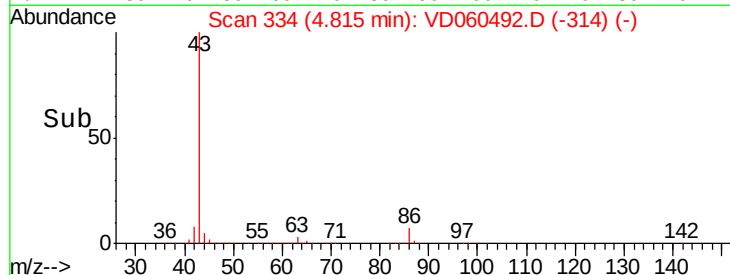
1000000

500000

0

4.60 4.70 4.80 4.90 5.00

Time-->



#24

1,1-Dichloroethane

Concen: 51.337 ug/l

RT: 4.77 min Scan# 329

Delta R.T. 0.00 min

Lab File: VD060492.D

Acq: 5 Dec 2018 15:05

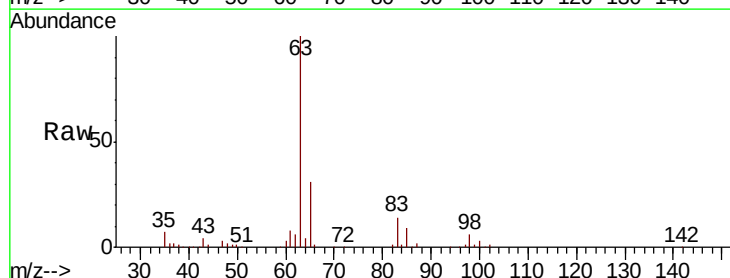
Tgt Ion: 63 Resp: 1479598

Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.3

100 3.4 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VD060492.D (-321) (-)

Ion 97.95 (97.65 to 98.65): VD060492.D (-321) (-)

Ion 99.95 (99.65 to 100.65): VD060492.D (-321) (-)

600000

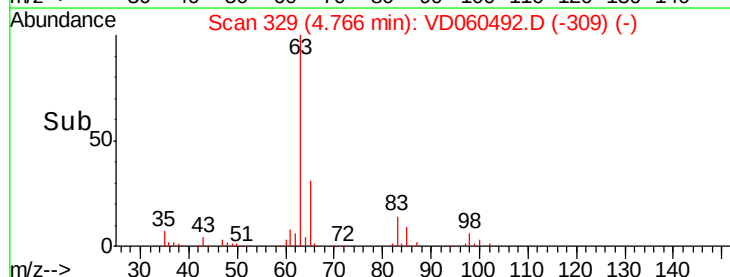
400000

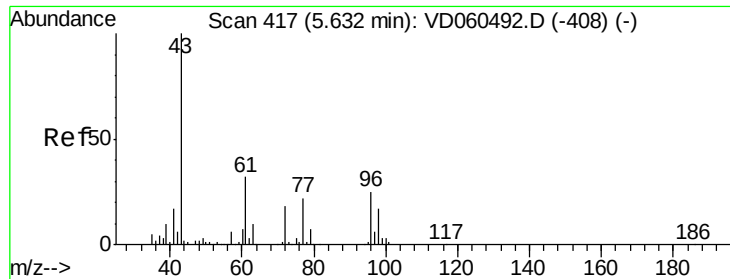
200000

0

4.60 4.70 4.80 4.90 5.00

Time-->





#25

2-Butanone

Concen: 238.717 ug/l

RT: 5.63 min Scan# 417

Delta R.T. 0.00 min

Lab File: VD060492.D

Acq: 5 Dec 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 976885

Ion Ratio Lower Upper

43 100

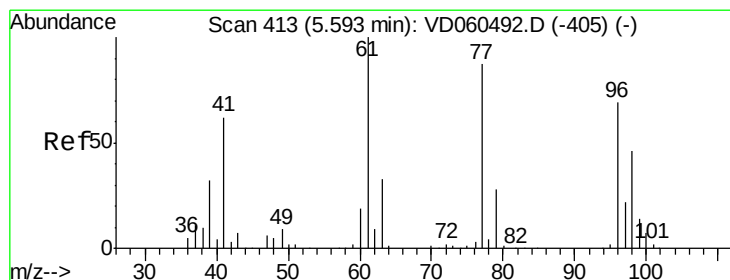
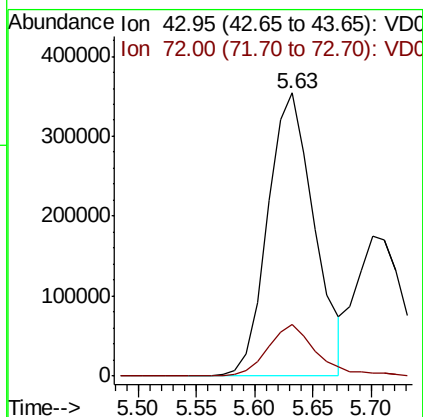
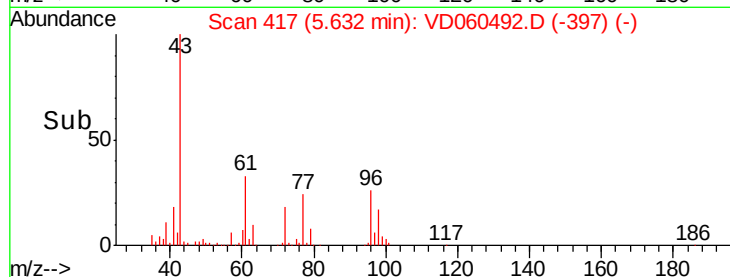
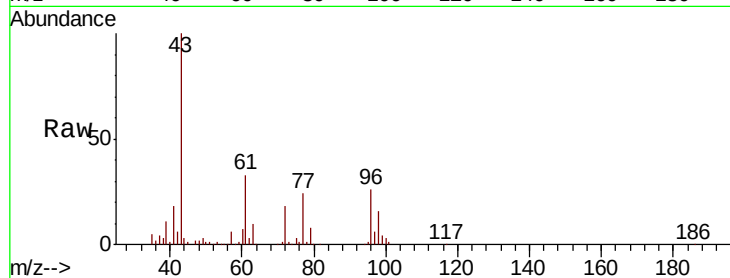
72 18.2 14.6 21.8

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#26

2,2-Dichloropropane

Concen: 49.799 ug/l

RT: 5.59 min Scan# 413

Delta R.T. 0.00 min

Lab File: VD060492.D

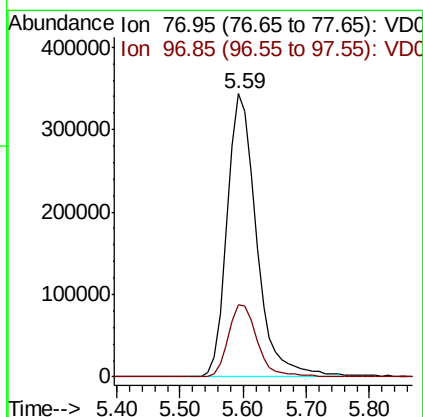
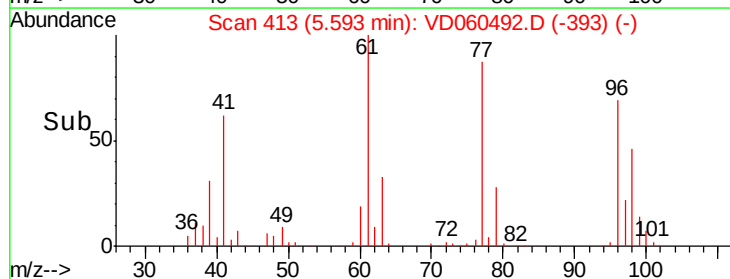
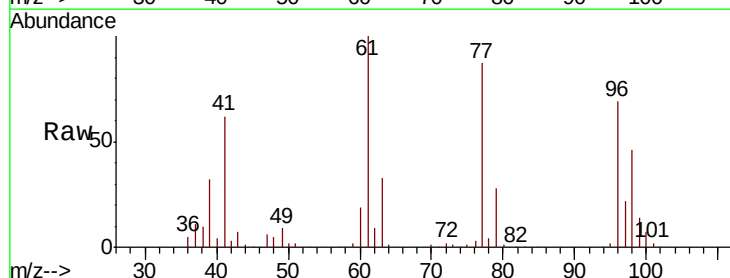
Acq: 5 Dec 2018 15:05

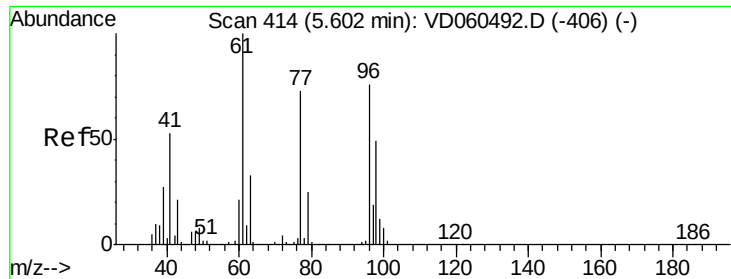
Tgt Ion: 77 Resp: 1110400

Ion Ratio Lower Upper

77 100

97 25.3 12.7 38.0





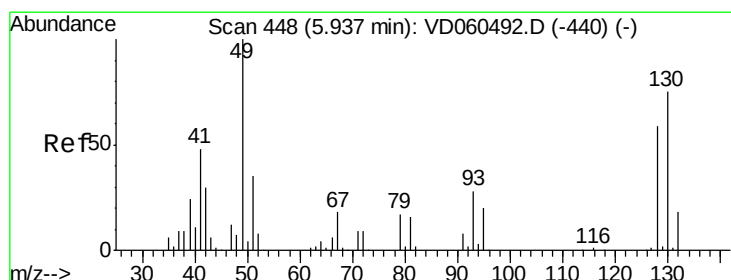
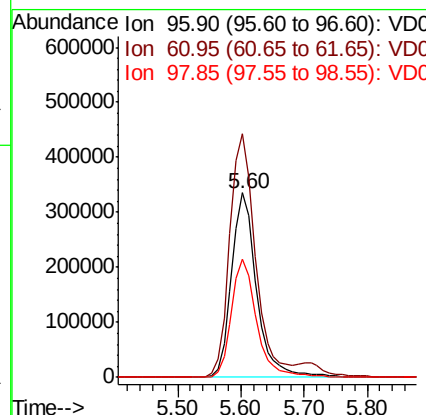
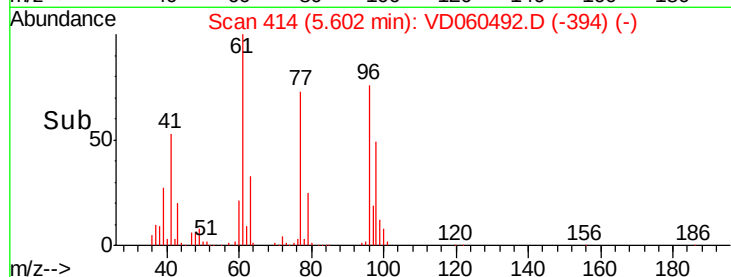
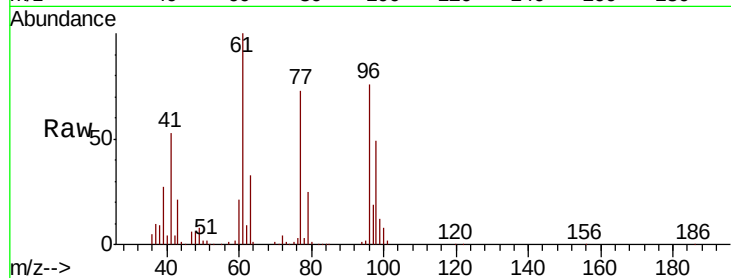
#27
 cis-1,2-Dichloroethene
 Concen: 50.840 ug/l
 RT: 5.60 min Scan# 414
 Delta R.T. 0.00 min
 Lab File: VD060492.D
 Acq: 5 Dec 2018 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	922969		
61	131.8	0.0	263.6	
98	64.1	0.0	128.2	

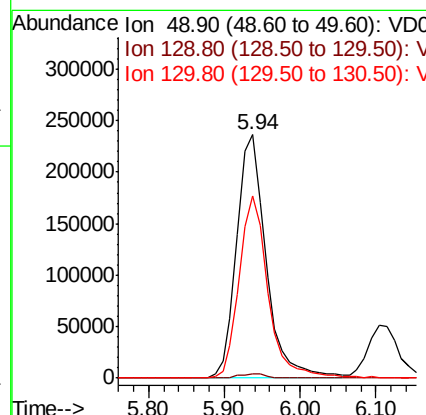
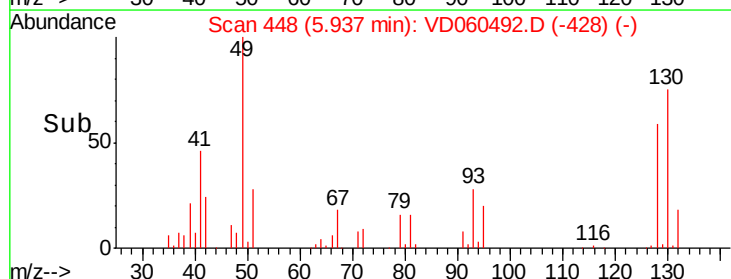
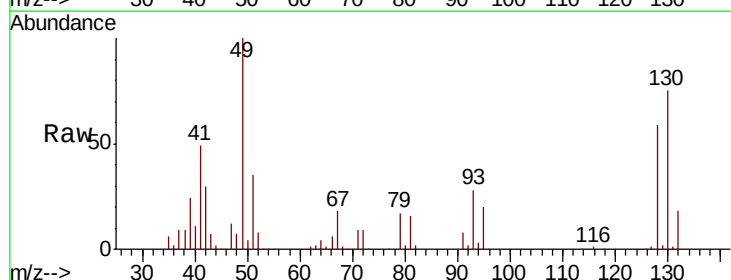
Manual Integrations
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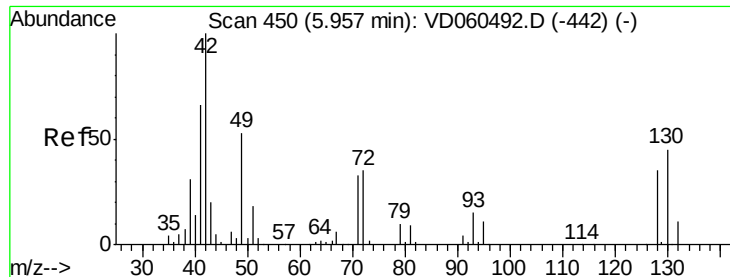
apatel
 12/6/2018 10:51:42 AM



#28
 Bromochloromethane
 Concen: 50.014 ug/l
 RT: 5.94 min Scan# 448
 Delta R.T. 0.00 min
 Lab File: VD060492.D
 Acq: 5 Dec 2018 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	635967		
129	1.7	0.0	3.4	
130	74.7	59.8	89.6	





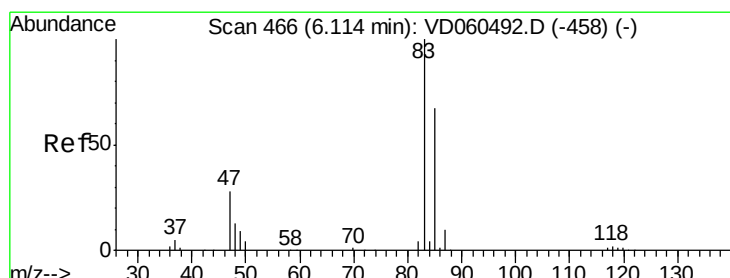
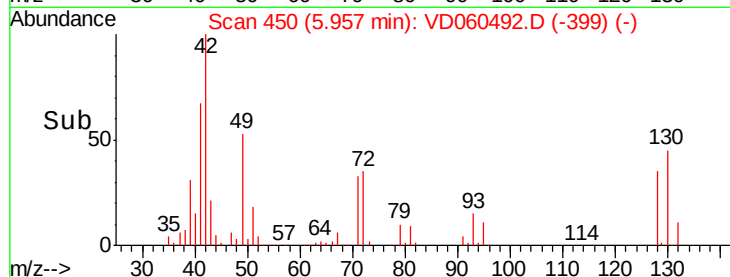
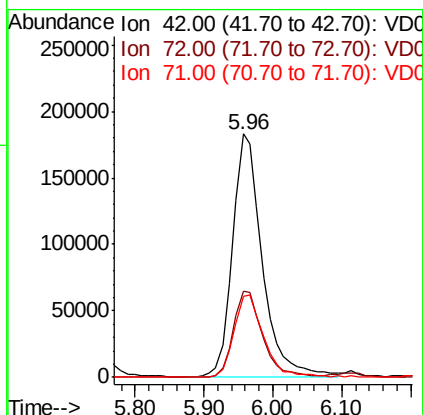
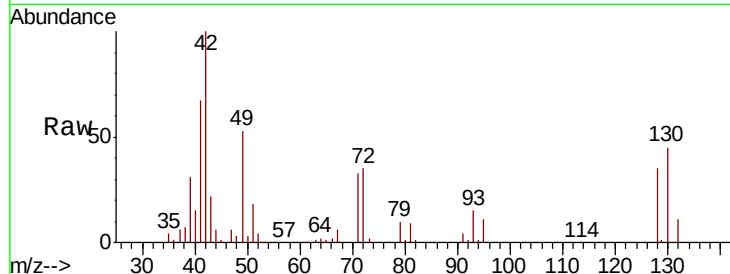
#29
Tetrahydrofuran
Concen: 249.511 ug/l
RT: 5.96 min Scan# 450
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	35.0	28.0	42.0
71	34.0	27.2	40.8

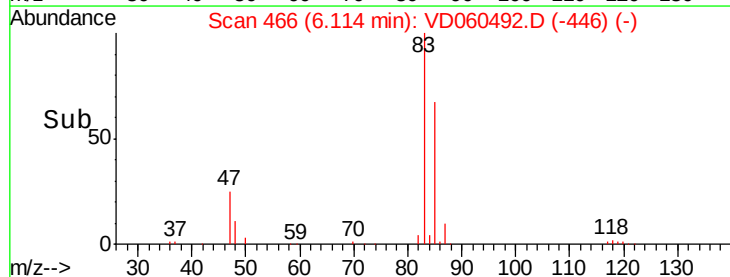
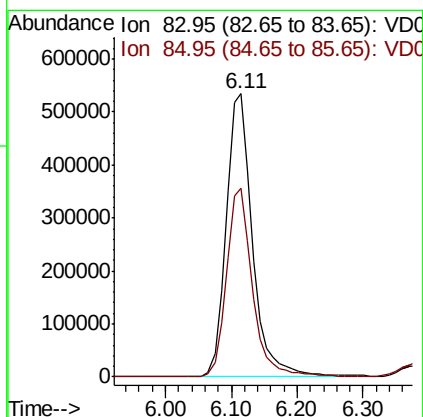
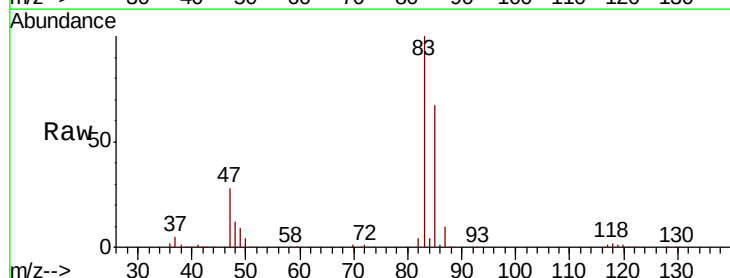
Manual Integrations
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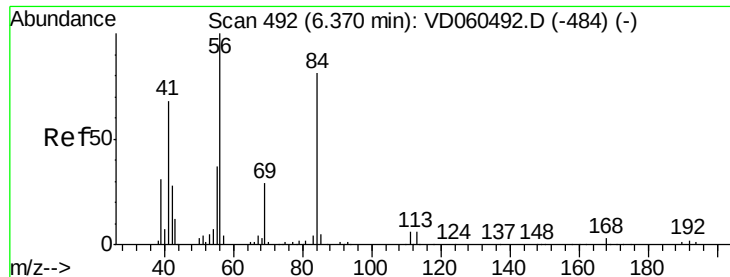
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#30
Chloroform
Concen: 51.881 ug/l
RT: 6.11 min Scan# 466
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	53.4	80.2





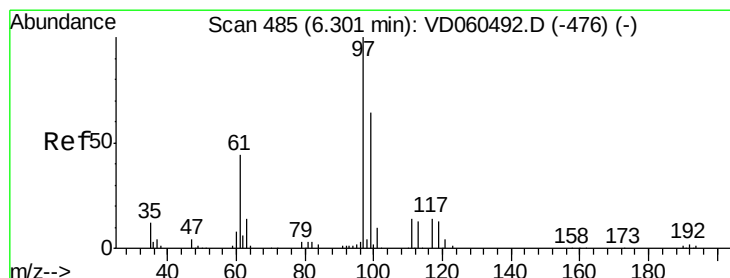
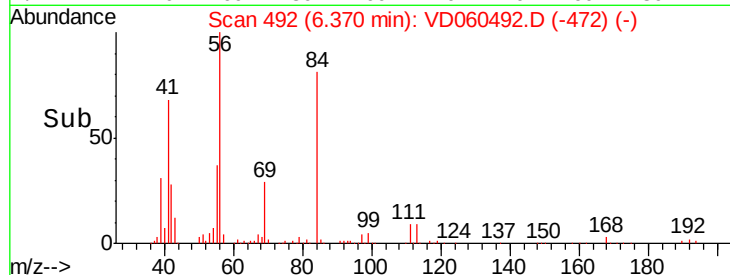
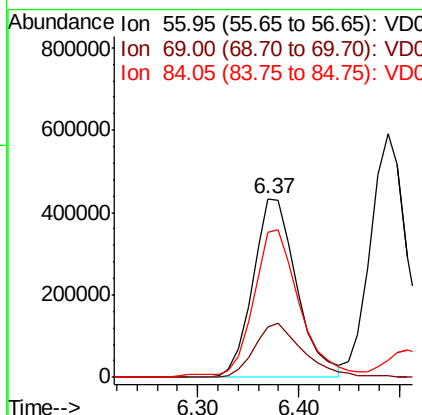
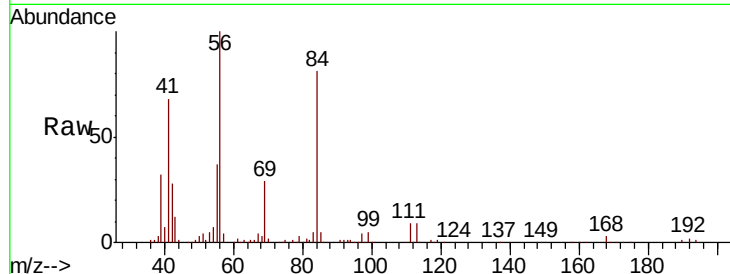
#31
Cyclohexane
Concen: 47.735 ug/l
RT: 6.37 min Scan# 492
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 1309784
Ion Ratio Lower Upper
56 100
69 28.5 22.8 34.2
84 81.4 65.1 97.7

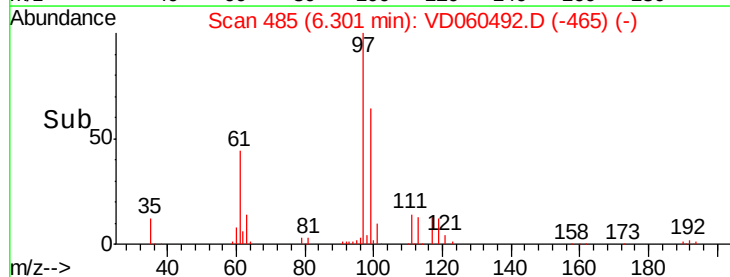
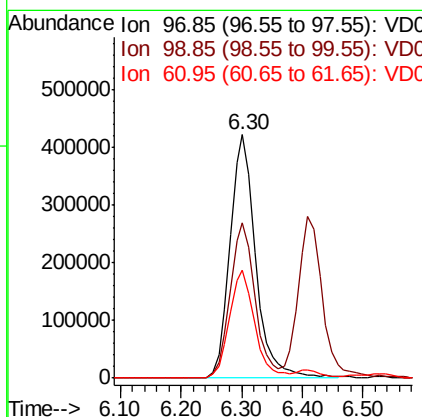
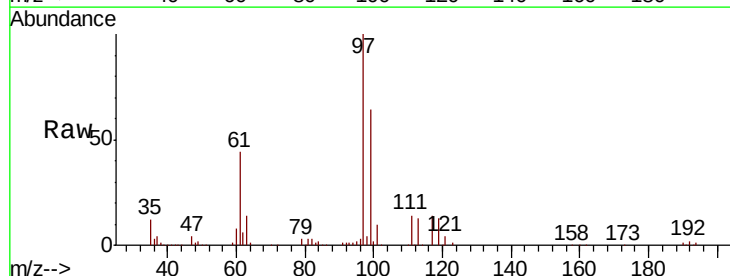
Manual Integrations
APPROVED

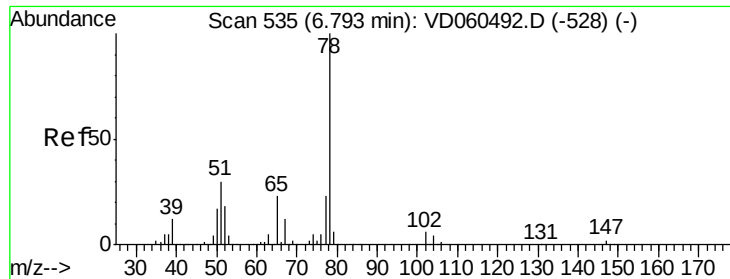
apatel
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#32
1,1,1-Trichloroethane
Concen: 51.302 ug/l
RT: 6.30 min Scan# 485
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Tgt Ion: 97 Resp: 1241570
Ion Ratio Lower Upper
97 100
99 63.7 51.0 76.4
61 44.1 35.3 52.9





#33

1,2-Dichloroethane-d4

Concen: 51.302 ug/l

RT: 6.79 min Scan# 535

Delta R.T. 0.00 min

Lab File: VD060492.D

Acq: 5 Dec 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 588670

Ion Ratio Lower Upper

65 100

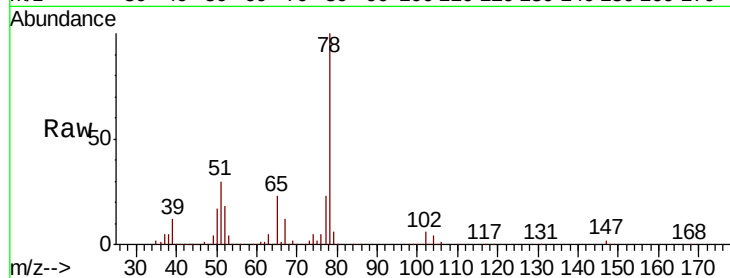
67 53.4 0.0 106.8

Manual Integrations

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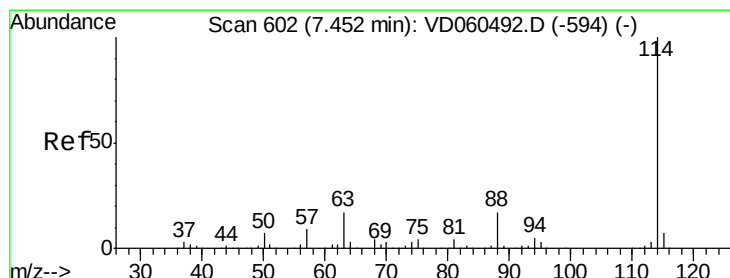
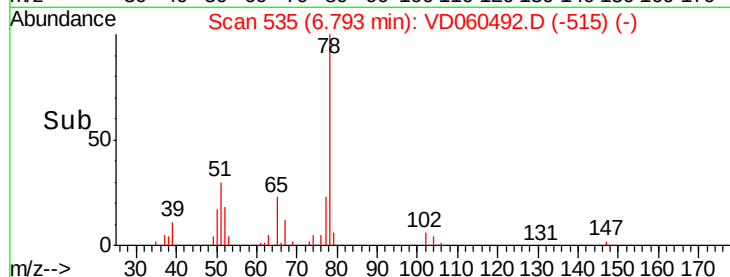
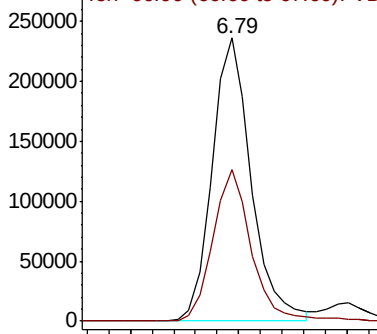
apatel

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 602

Delta R.T. 0.00 min

Lab File: VD060492.D

Acq: 5 Dec 2018 15:05

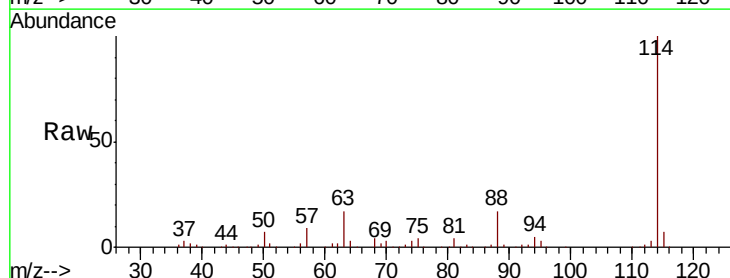
Tgt Ion: 114 Resp: 2271193

Ion Ratio Lower Upper

114 100

63 17.1 0.0 34.2

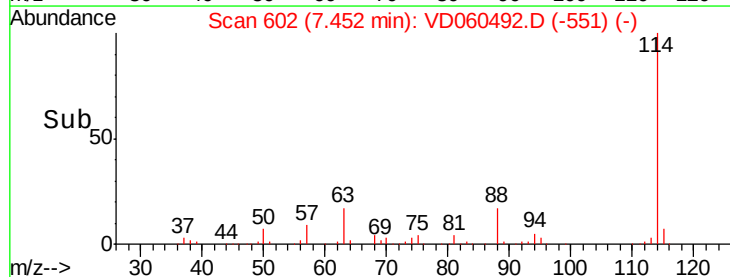
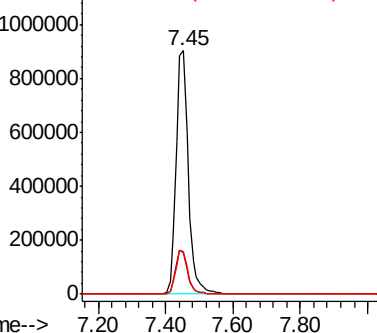
88 17.5 0.0 35.0

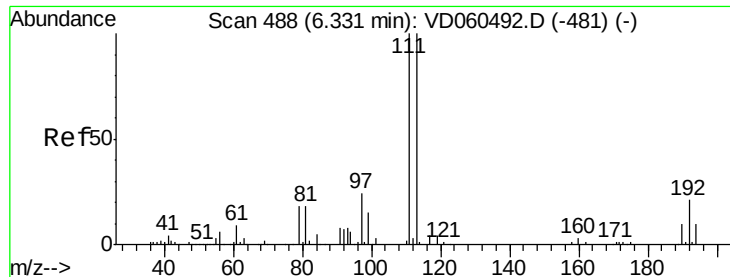


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





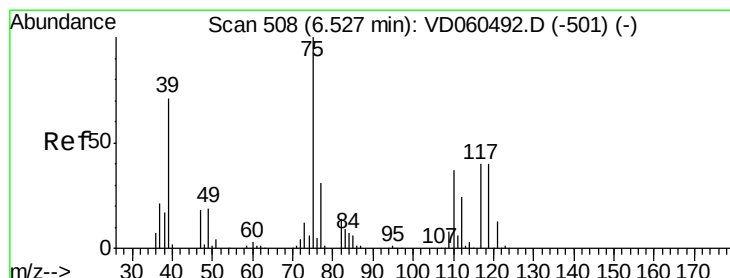
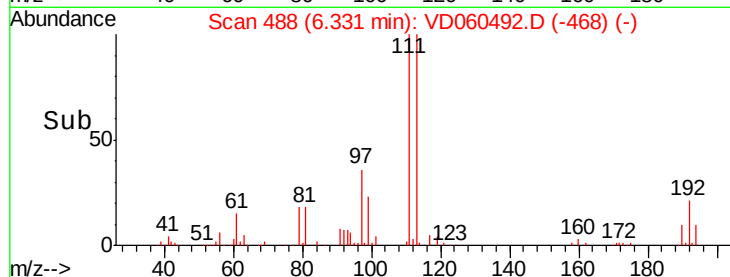
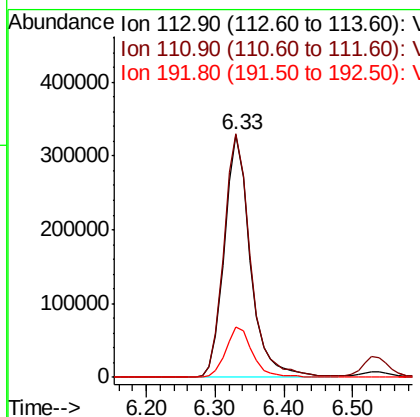
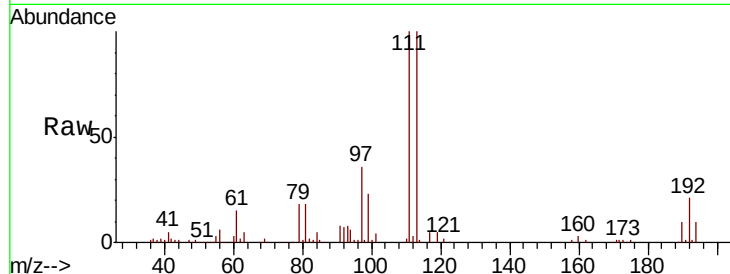
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. 0.00 min
 Lab File: VD060492.D
 Acq: 5 Dec 2018 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	860783		
111	100.3	80.2	120.4	
192	20.7	16.6	24.8	

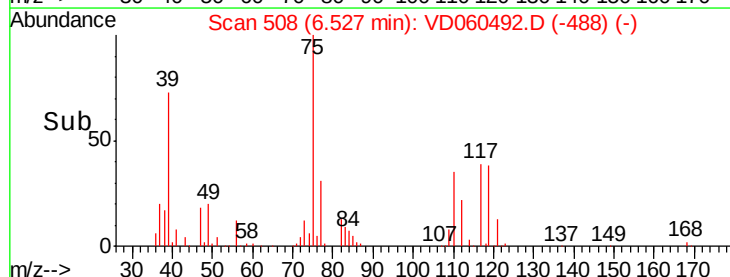
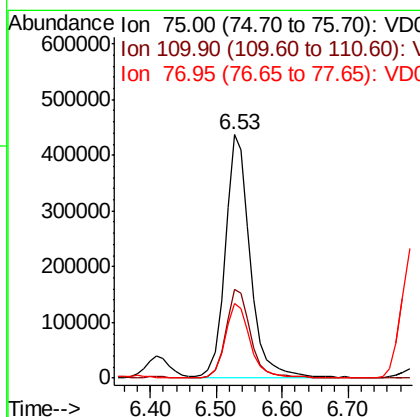
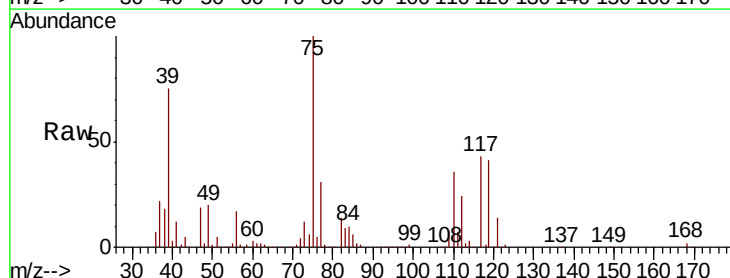
Manual Integrations
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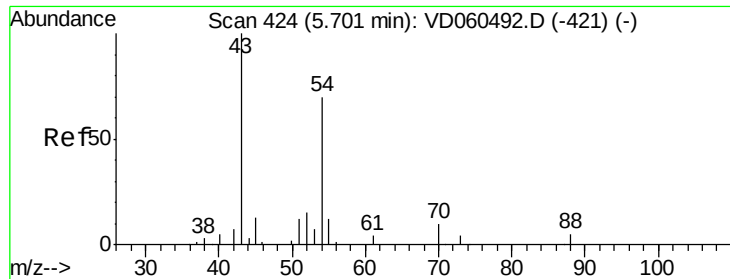
apatel
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#36
 1,1-Dichloropropene
 Concen: 50.472 ug/l
 RT: 6.53 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VD060492.D
 Acq: 5 Dec 2018 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1133189		
110	36.5	18.3	54.8	
77	30.8	24.6	37.0	





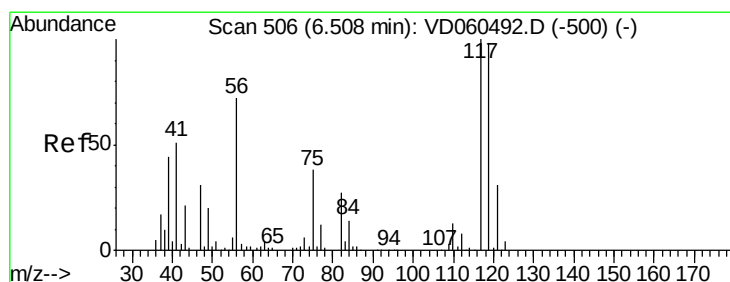
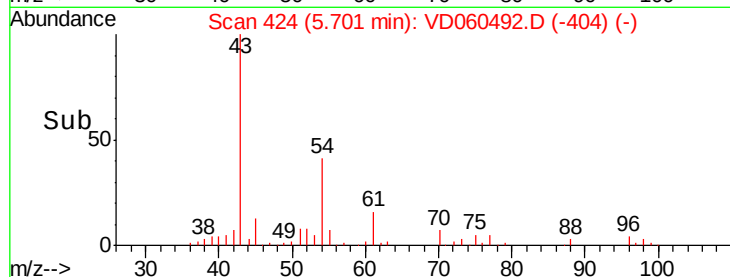
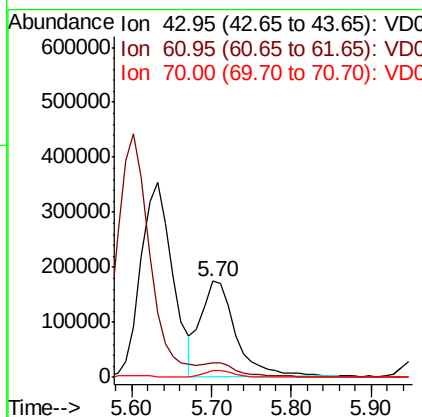
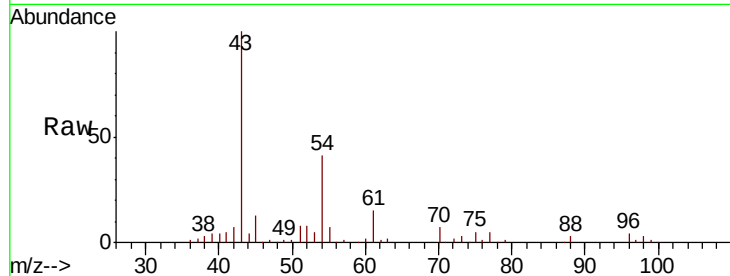
#37
Ethyl Acetate
Concen: 51.454 ug/l
RT: 5.70 min Scan# 424
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.4	18.6
70	6.7	5.4	8.0

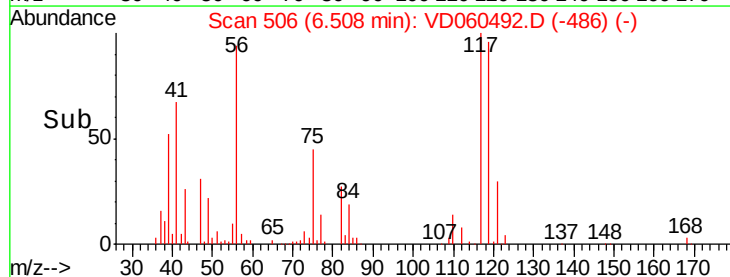
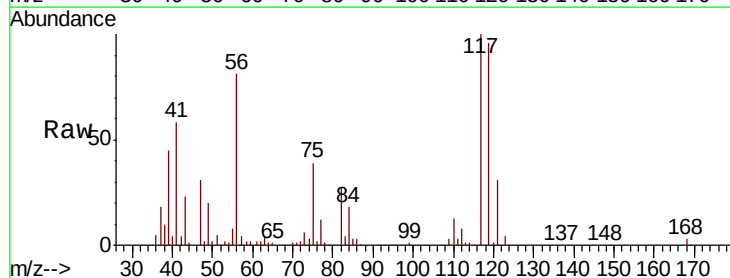
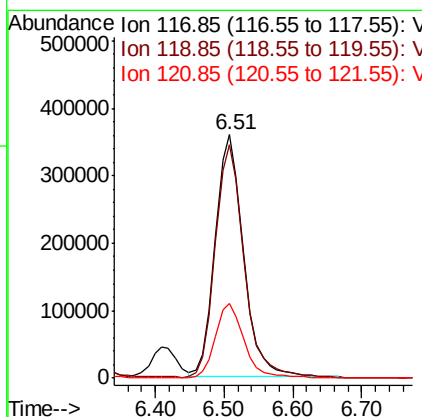
Manual Integrations
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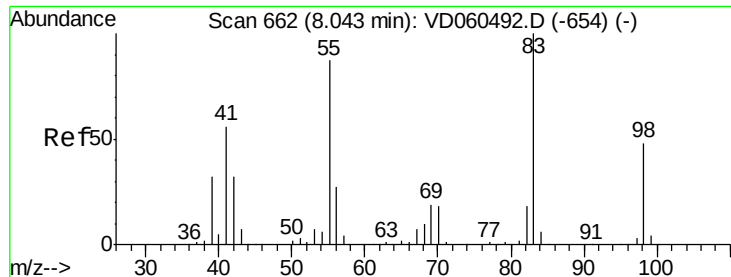
apatel
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#38
Carbon Tetrachloride
Concen: 49.408 ug/l
RT: 6.51 min Scan# 506
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.8	115.2
121	30.5	24.4	36.6





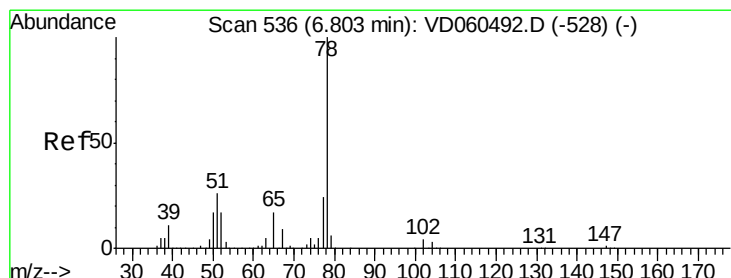
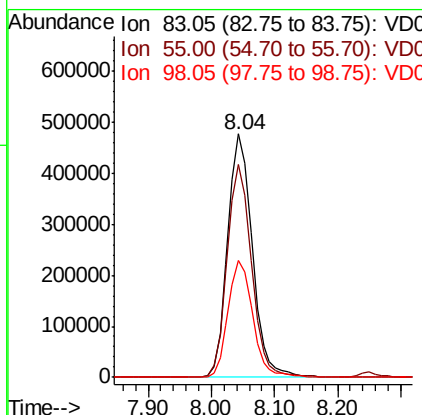
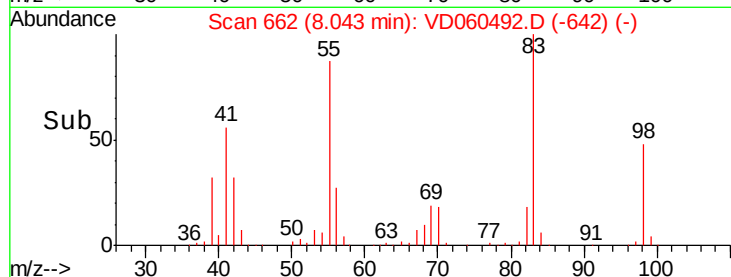
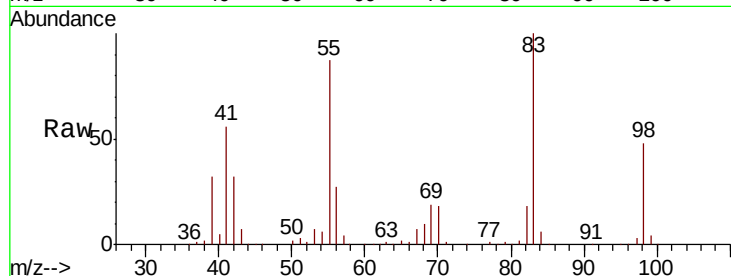
#39
Methylcyclohexane
Concen: 50.266 ug/l
RT: 8.04 min Scan# 662
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 1294349
Ion Ratio Lower Upper
83 100
55 87.3 69.8 104.8
98 48.0 38.4 57.6

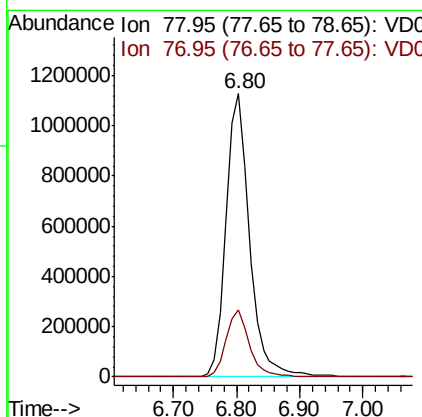
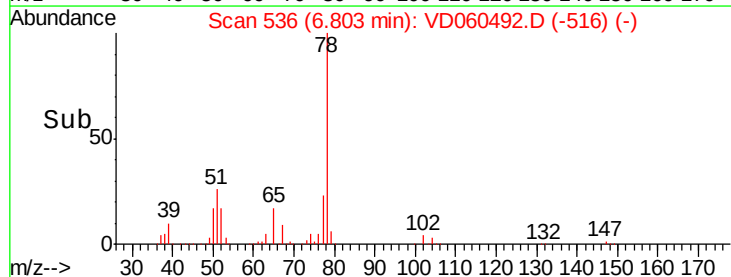
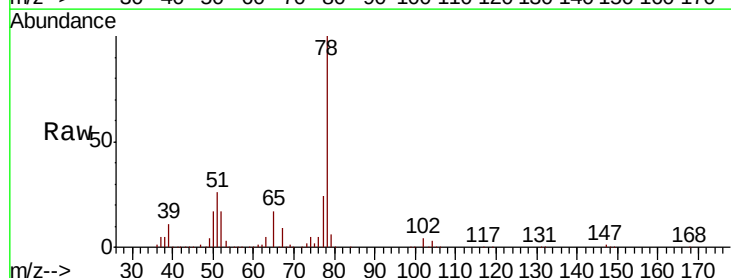
Manual Integrations
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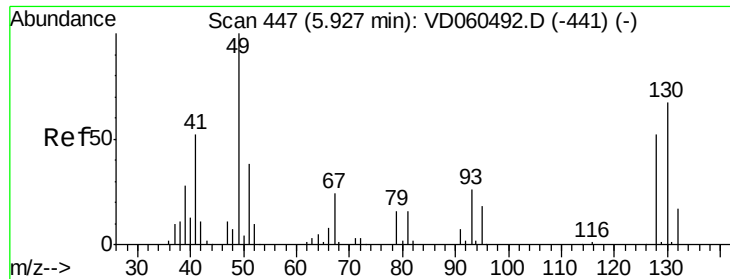
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#40
Benzene
Concen: 51.073 ug/l
RT: 6.80 min Scan# 536
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Tgt Ion: 78 Resp: 2917889
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3





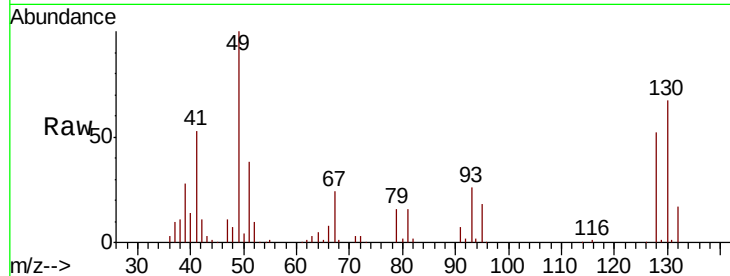
#41
Methacrylonitrile
Concen: 23.632 ug/l m
RT: 5.93 min Scan# 447
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

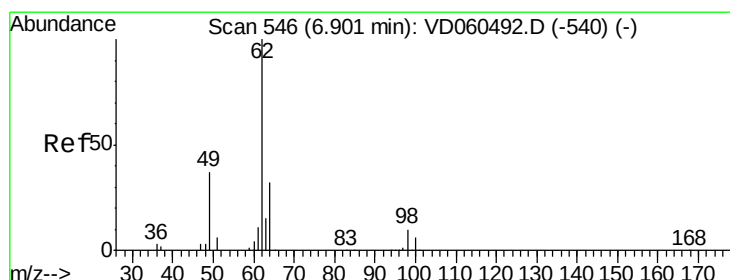
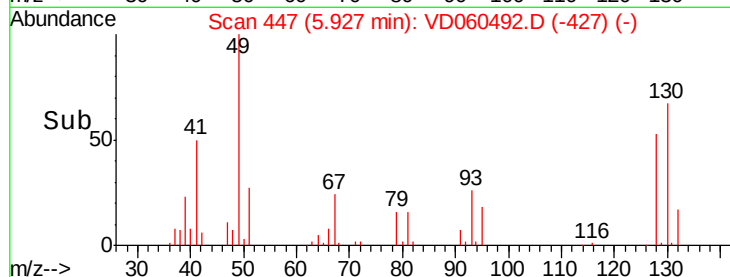
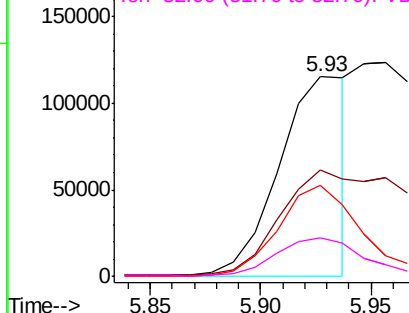
Tgt Ion	Ratio	Lower	Upper
41	100		
39	53.2	42.6	63.8
67	45.3	36.2	54.4
52	19.5	15.6	23.4

Manual Integrations
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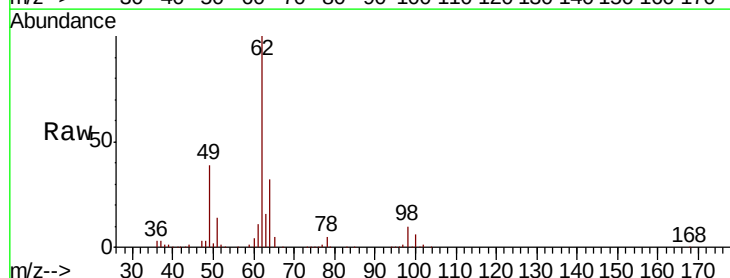


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

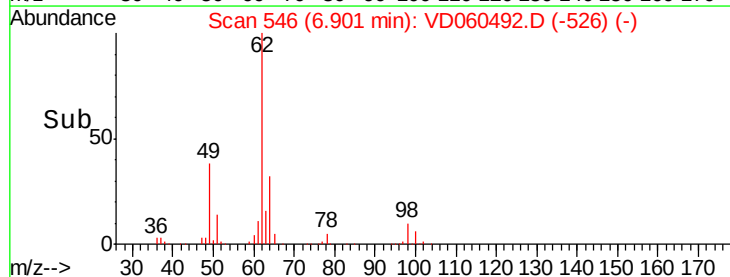
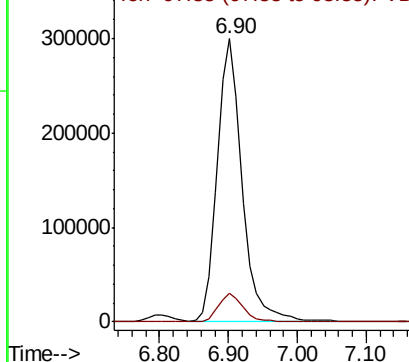


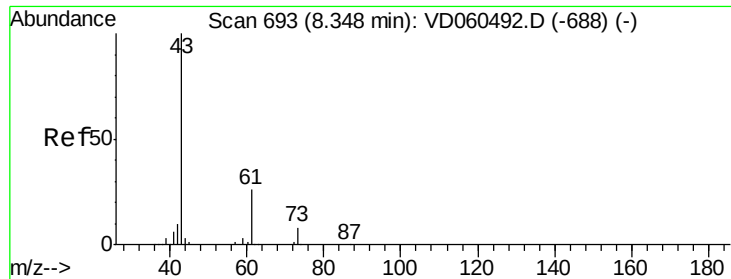
#42
1,2-Dichloroethane
Concen: 50.118 ug/l
RT: 6.90 min Scan# 546
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	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: 49.977 ug/l

RT: 8.35 min Scan# 693

Delta R.T. 0.00 min

Lab File: VD060492.D

Acq: 5 Dec 2018 15:05

Instrument :

MSVOA_D

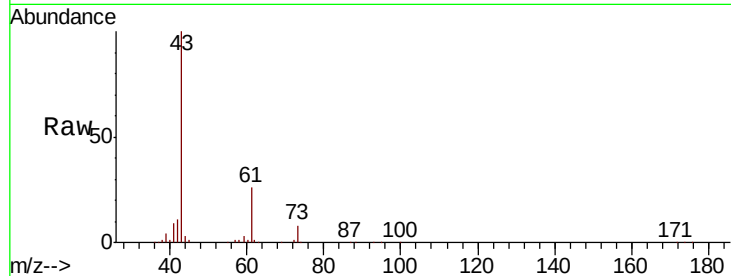
ClientSampleId :

VSTDICCC050

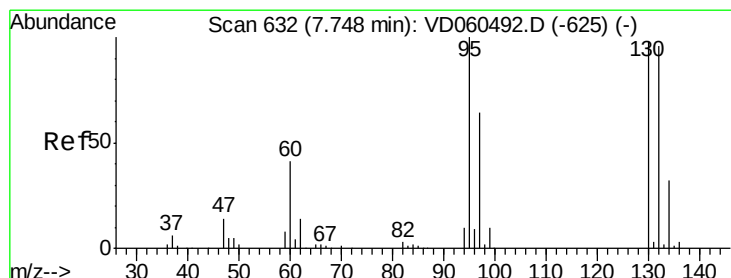
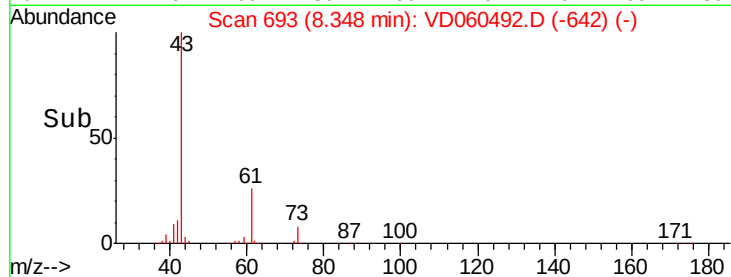
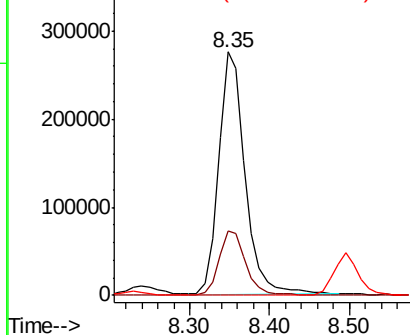
Tgt Ion:	43	Resp:	640070
Ion	Ratio	Lower	Upper
43	100		
61	26.2	21.0	31.4
87	0.2	0.2	0.2

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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: 51.785 ug/l

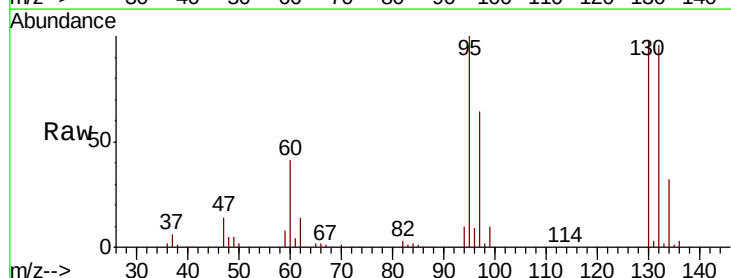
RT: 7.75 min Scan# 632

Delta R.T. 0.00 min

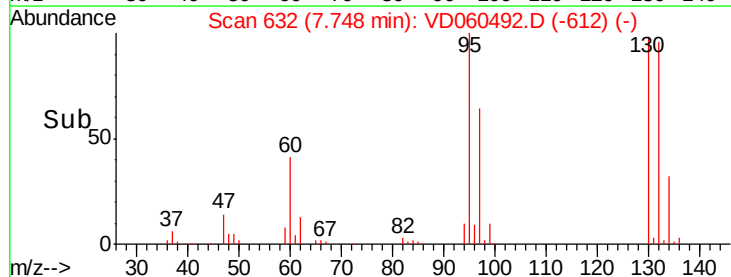
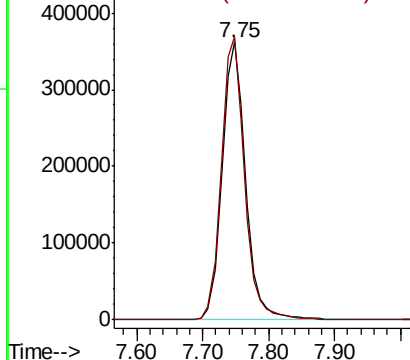
Lab File: VD060492.D

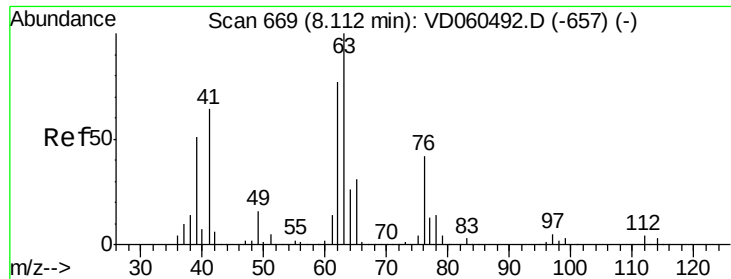
Acq: 5 Dec 2018 15:05

Tgt Ion:	130	Resp:	897548
Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	203.8



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





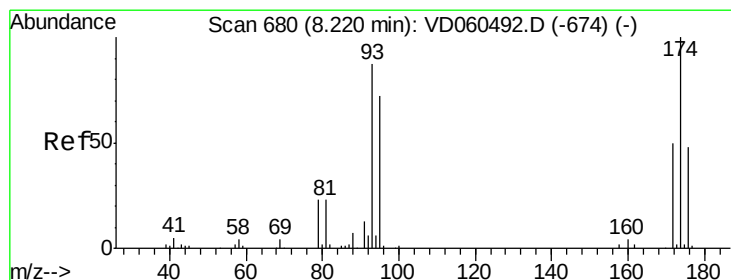
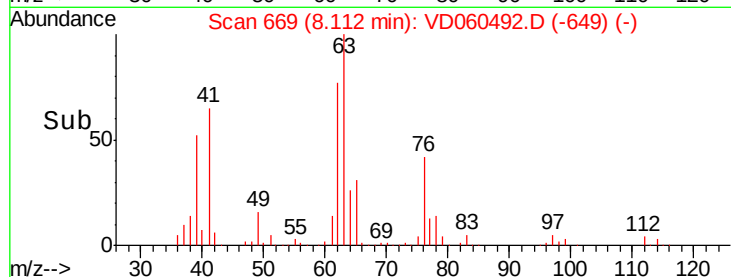
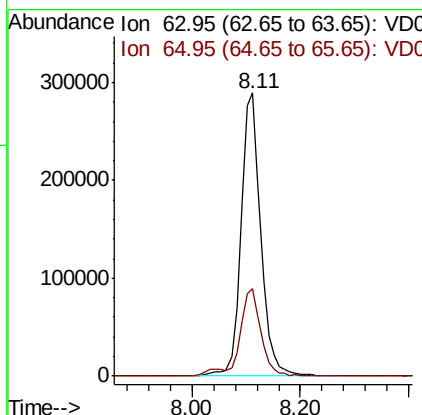
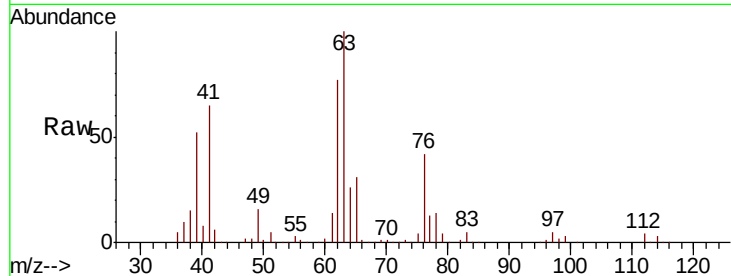
#45
 1,2-Dichloropropane
 Concen: 51.173 ug/l
 RT: 8.11 min Scan# 669
 Delta R.T. 0.00 min
 Lab File: VD060492.D
 Acq: 5 Dec 2018 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 63 Resp: 735568
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.6 37.0

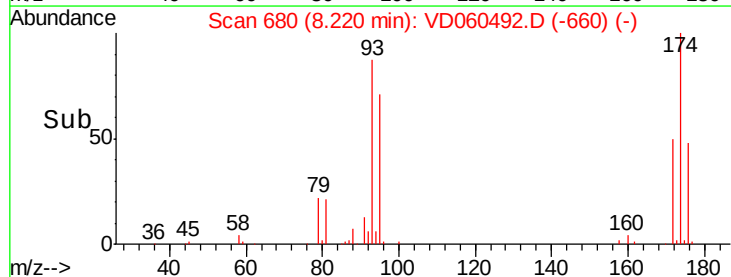
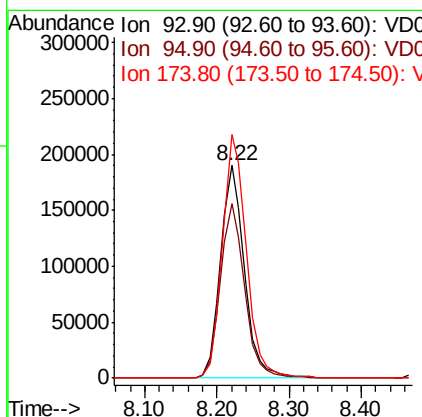
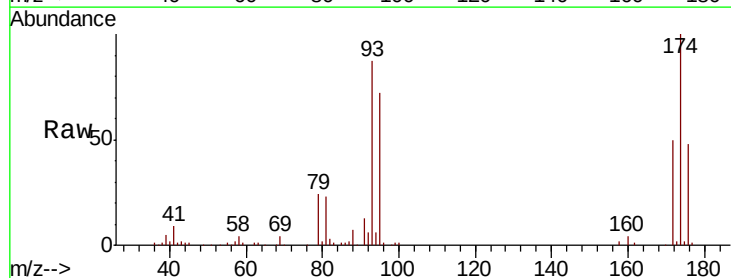
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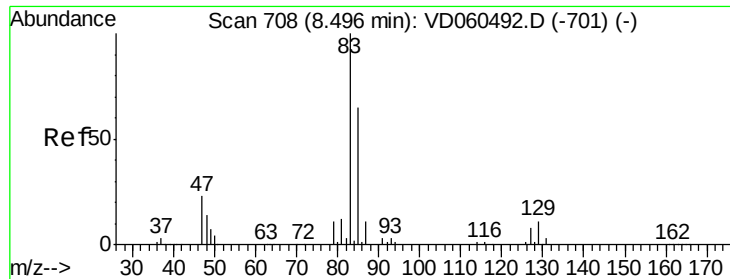
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#46
 Dibromomethane
 Concen: 51.622 ug/l
 RT: 8.22 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VD060492.D
 Acq: 5 Dec 2018 15:05

Tgt Ion: 93 Resp: 435418
 Ion Ratio Lower Upper
 93 100
 95 82.0 65.6 98.4
 174 114.6 91.7 137.5





#47

Bromodichloromethane

Concen: 51.589 ug/l

RT: 8.50 min Scan# 708

Delta R.T. 0.00 min

Lab File: VD060492.D

Acq: 5 Dec 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 1021142

Ion Ratio Lower Upper

83 100

85 65.3 52.2 78.4

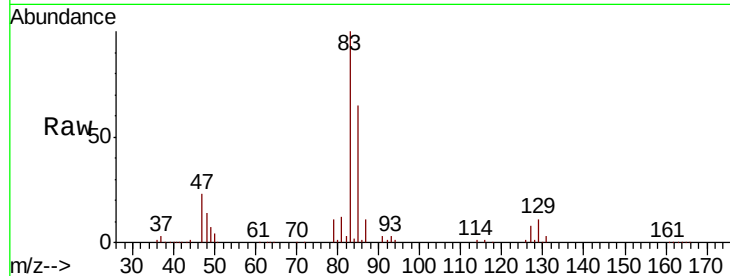
127 8.4 6.7 10.1

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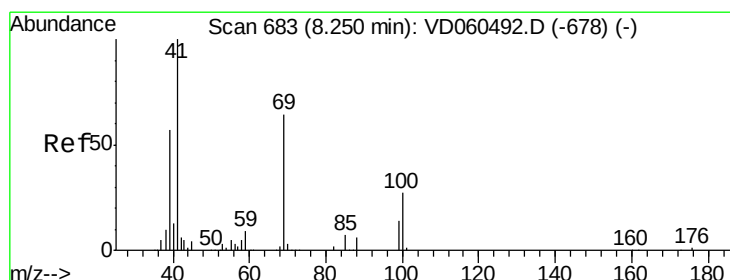
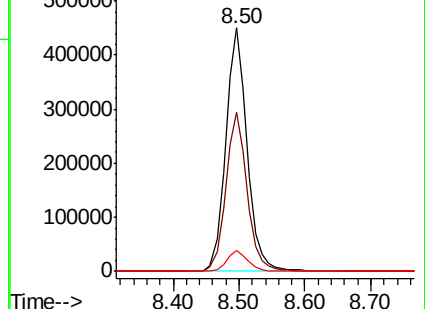
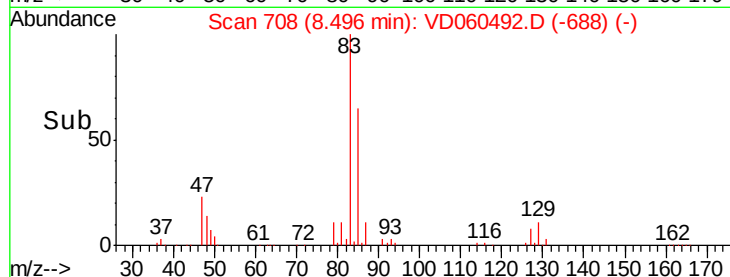
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Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 50.191 ug/l

RT: 8.25 min Scan# 683

Delta R.T. 0.00 min

Lab File: VD060492.D

Acq: 5 Dec 2018 15:05

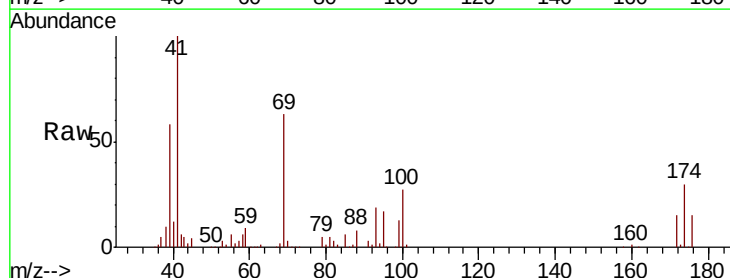
Tgt Ion: 41 Resp: 392066

Ion Ratio Lower Upper

41 100

69 62.8 50.2 75.4

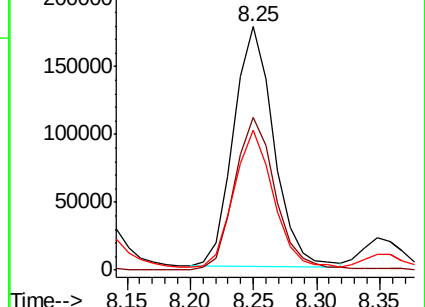
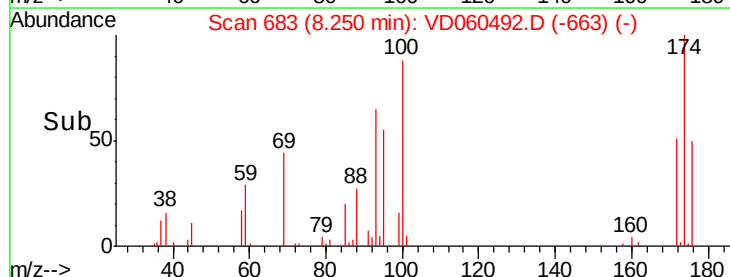
39 57.6 46.1 69.1

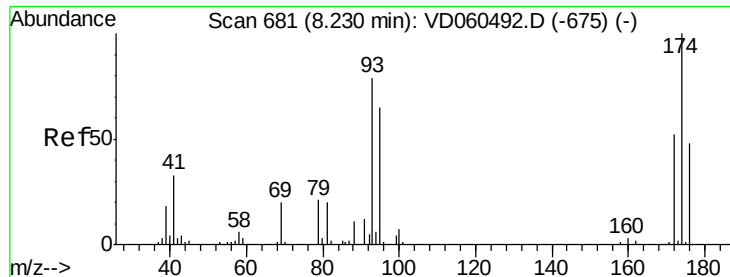


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





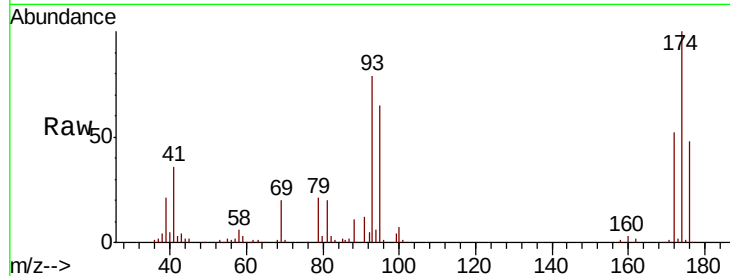
#49
1,4-Dioxane
Concen: 1066.904 ug/l
RT: 8.23 min Scan# 681
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

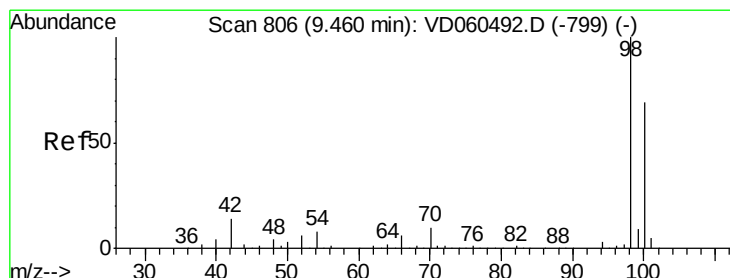
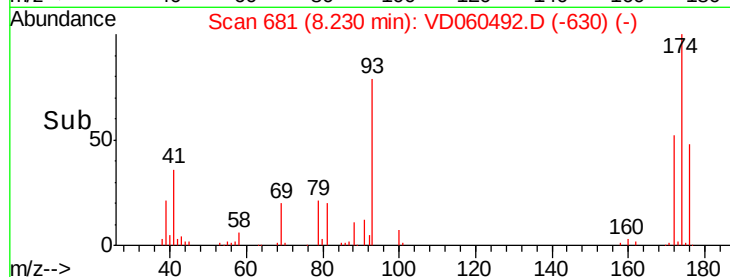
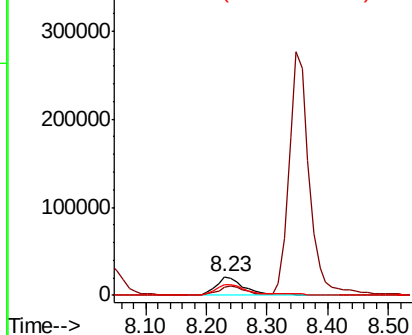
Tgt Ion	Ratio	Lower	Upper
88	100		
43	41.1	32.9	49.3
58	59.6	47.7	71.5

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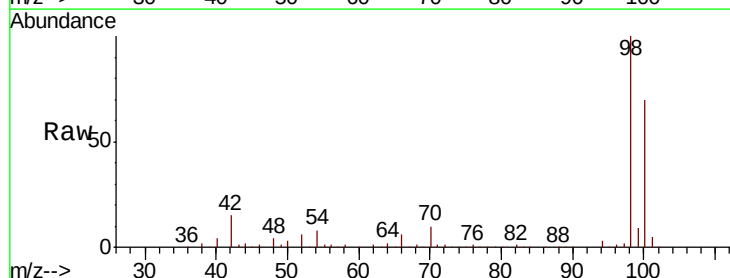


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

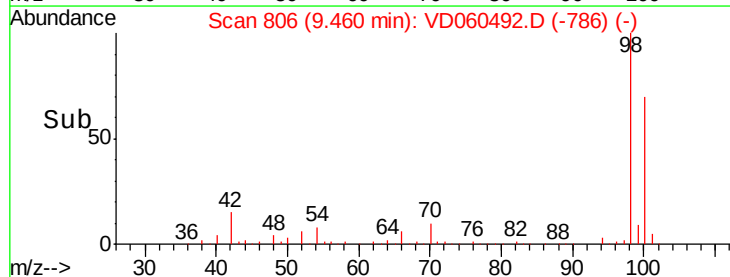
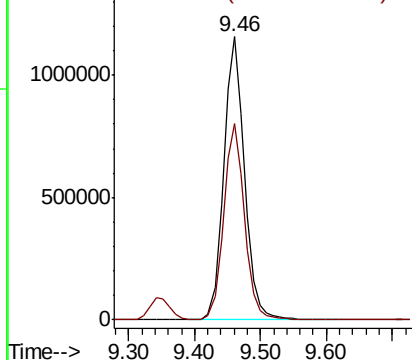


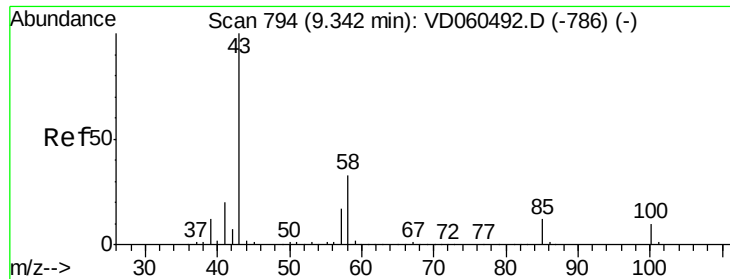
#50
Toluene-d8
Concen: 1066.904 ug/l
RT: 9.46 min Scan# 806
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.6	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: 241.526 ug/l

RT: 9.34 min Scan# 794

Delta R.T. 0.00 min

Lab File: VD060492.D

Acq: 5 Dec 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 2015894

Ion Ratio Lower Upper

43 100

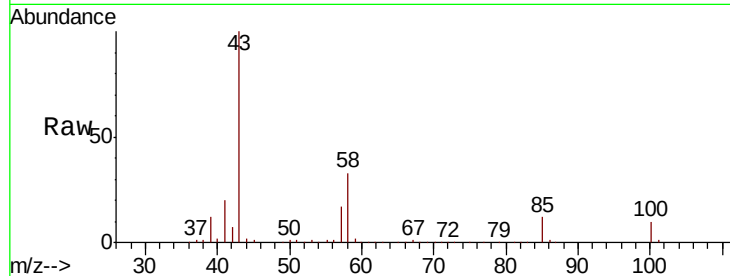
58 32.9 26.3 39.5

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

1000000

800000

600000

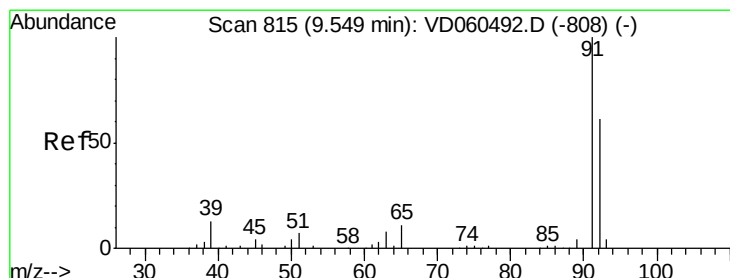
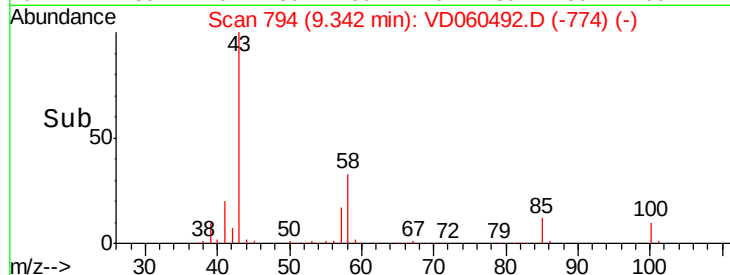
400000

200000

0

9.20 9.30 9.40

Time-->



#52

Toluene

Concen: 50.457 ug/l

RT: 9.55 min Scan# 815

Delta R.T. 0.00 min

Lab File: VD060492.D

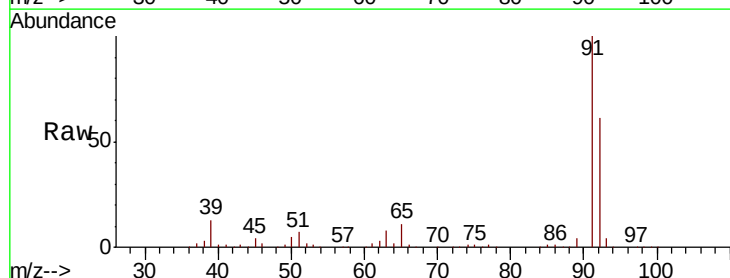
Acq: 5 Dec 2018 15:05

Tgt Ion: 92 Resp: 1839384

Ion Ratio Lower Upper

92 100

91 164.6 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

1500000

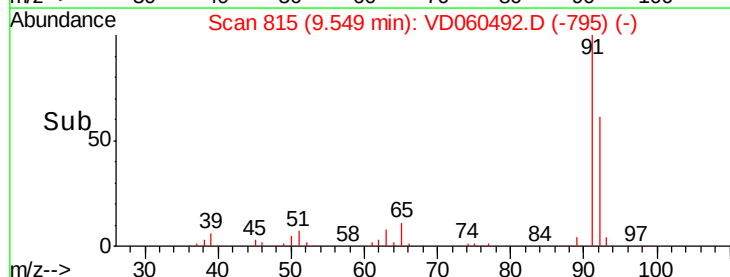
1000000

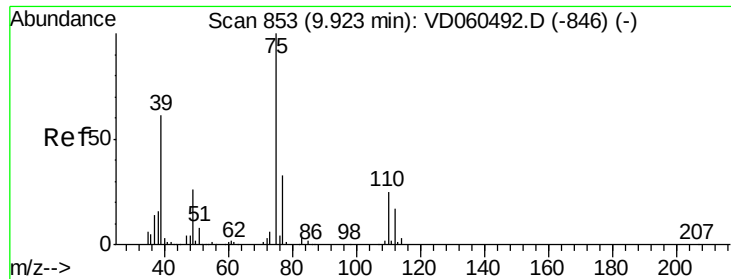
500000

0

9.40 9.50 9.60 9.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.673 ug/l

RT: 9.92 min Scan# 853

Delta R.T. 0.00 min

Lab File: VD060492.D

Acq: 5 Dec 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 75 Resp: 843627

Ion Ratio Lower Upper

75 100

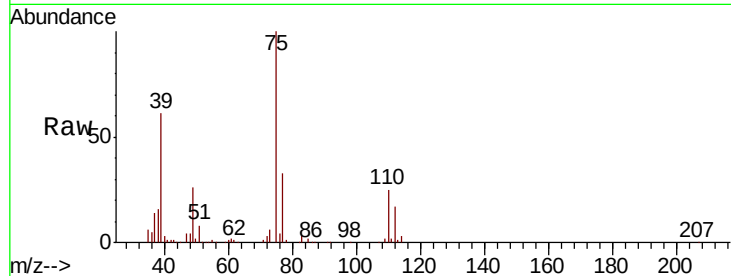
77 32.7 26.2 39.2

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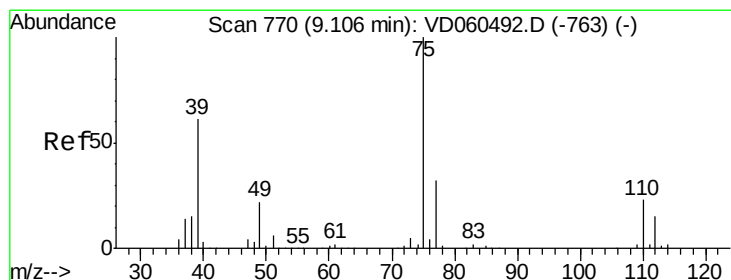
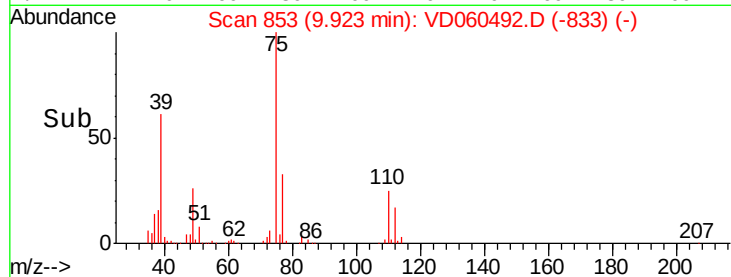
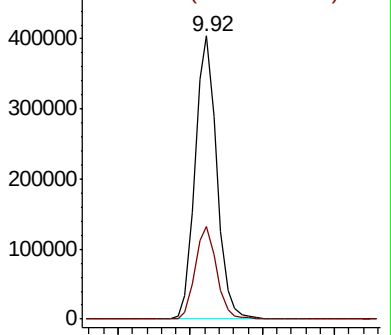
apatel

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 51.593 ug/l

RT: 9.11 min Scan# 770

Delta R.T. 0.00 min

Lab File: VD060492.D

Acq: 5 Dec 2018 15:05

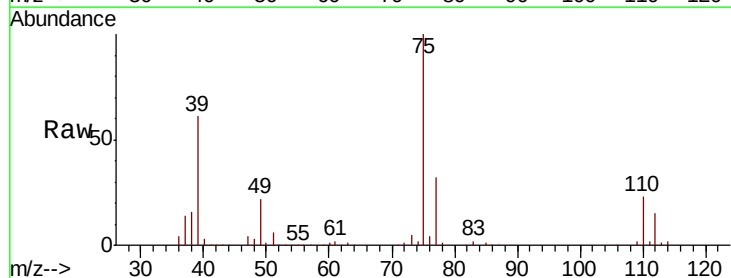
Tgt Ion: 75 Resp: 1110817

Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4

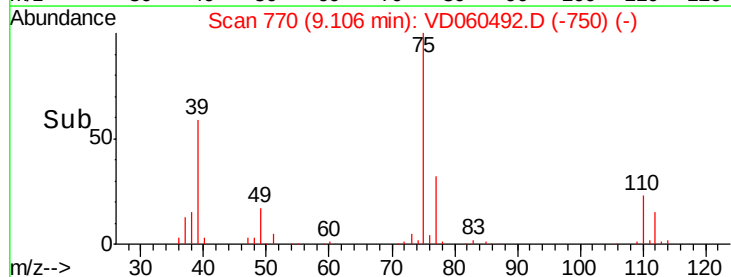
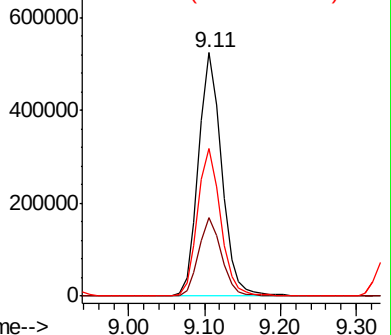
39 60.8 48.6 73.0

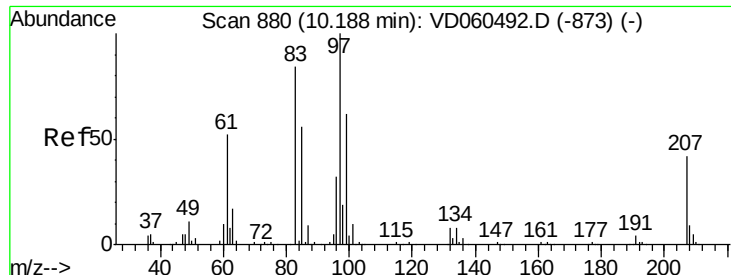


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





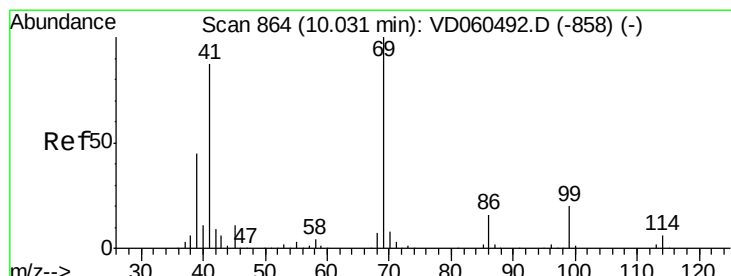
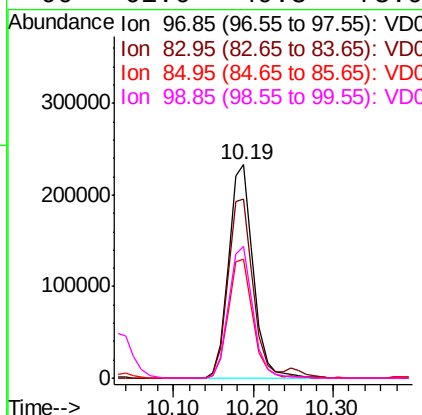
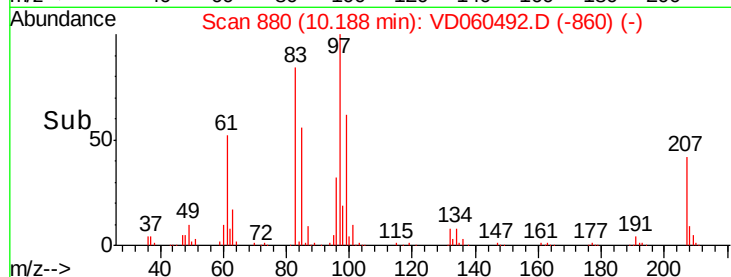
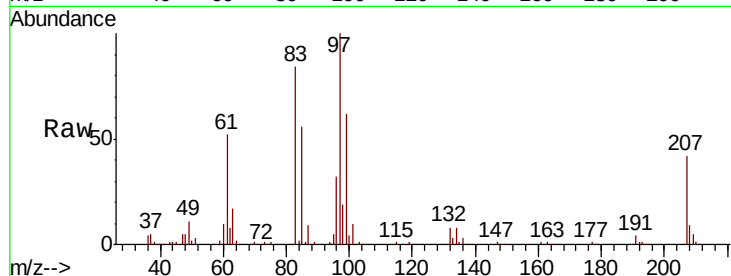
#55
 1,1,2-Trichloroethane
 Concen: 47.958 ug/l
 RT: 10.19 min Scan# 880
 Delta R.T. 0.00 min
 Lab File: VD060492.D
 Acq: 5 Dec 2018 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	506249		
83	84.0	67.2	100.8	
85	55.6	44.5	66.7	
99	61.6	49.3	73.9	

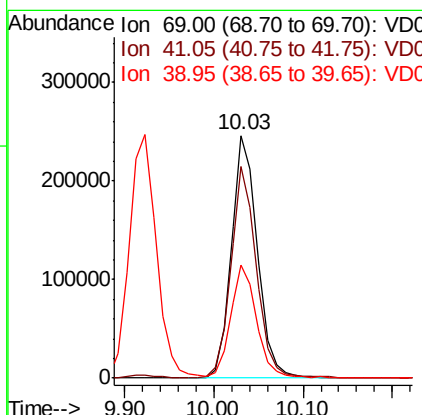
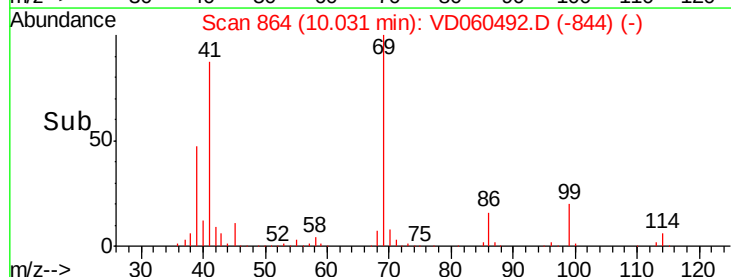
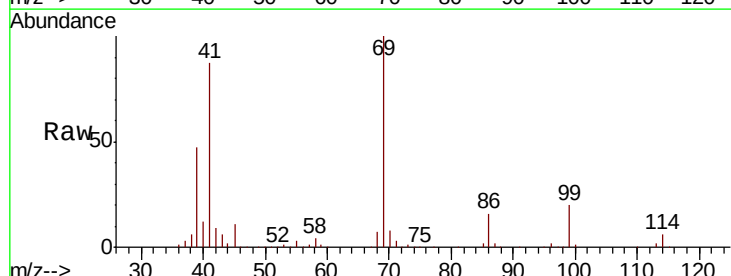
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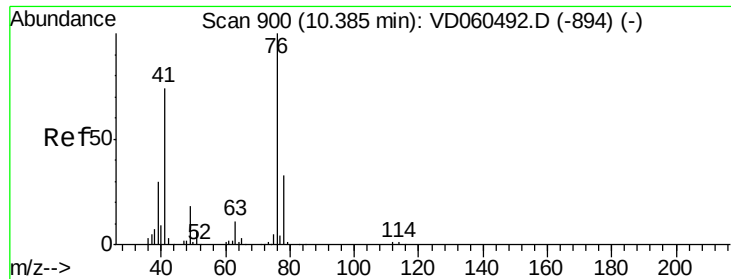
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#56
 Ethyl methacrylate
 Concen: 52.243 ug/l
 RT: 10.03 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VD060492.D
 Acq: 5 Dec 2018 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	503586		
41	87.3	69.8	104.8	
39	46.9	37.5	56.3	





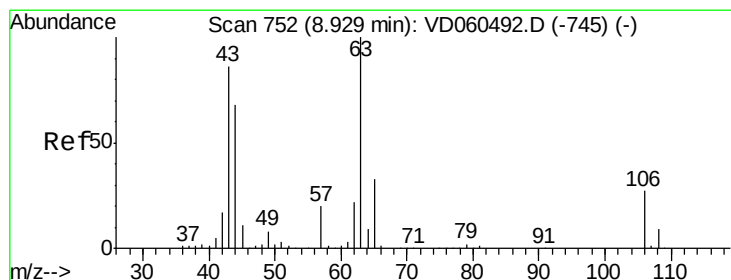
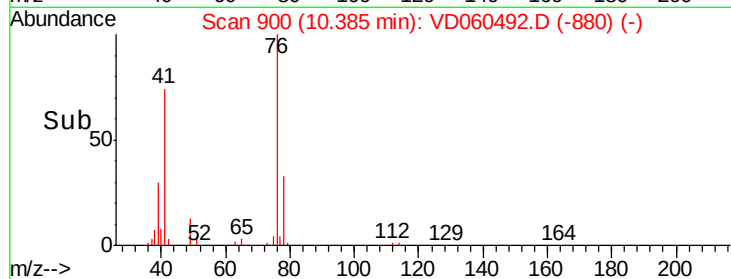
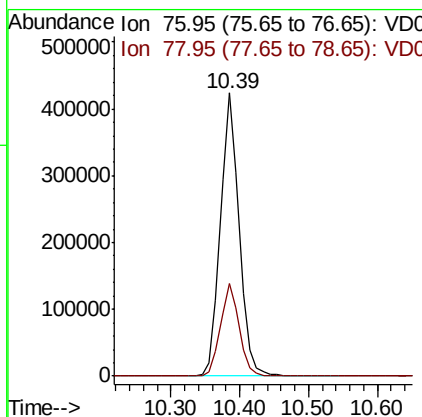
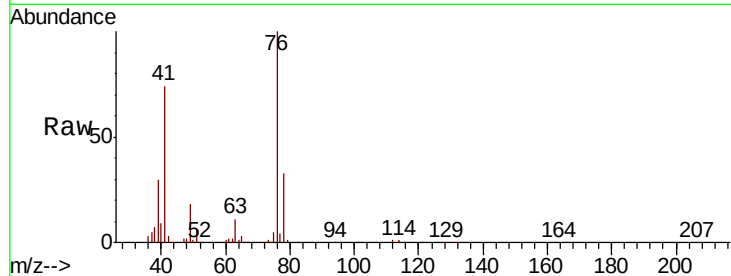
#57
 1,3-Dichloropropane
 Concen: 49.849 ug/l
 RT: 10.39 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD060492.D
 Acq: 5 Dec 2018 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 76 Resp: 798763
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.1 39.1

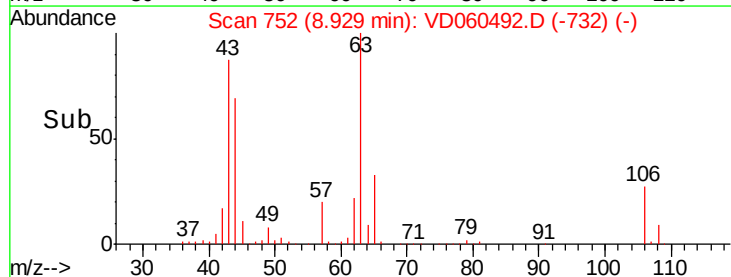
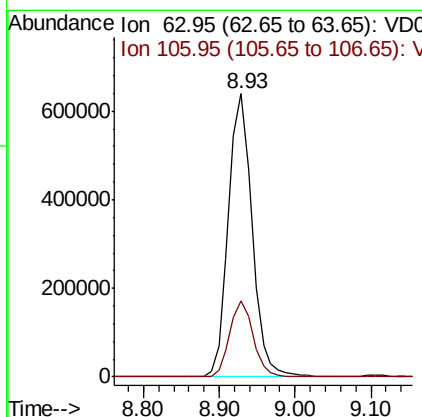
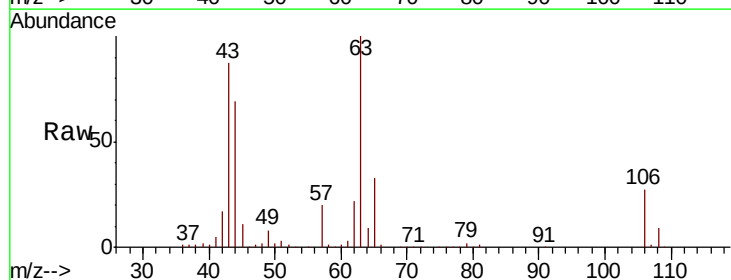
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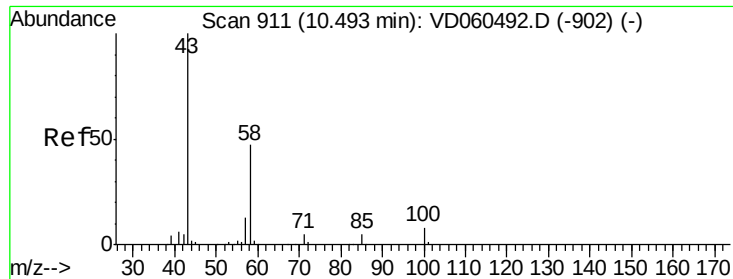
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#58
 2-Chloroethyl Vinyl ether
 Concen: 239.112 ug/l
 RT: 8.93 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VD060492.D
 Acq: 5 Dec 2018 15:05

Tgt Ion: 63 Resp: 1386817
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.6 32.4





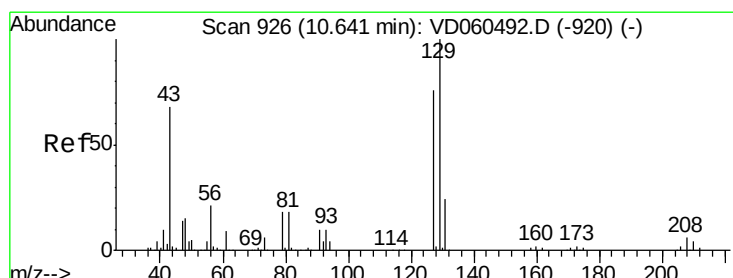
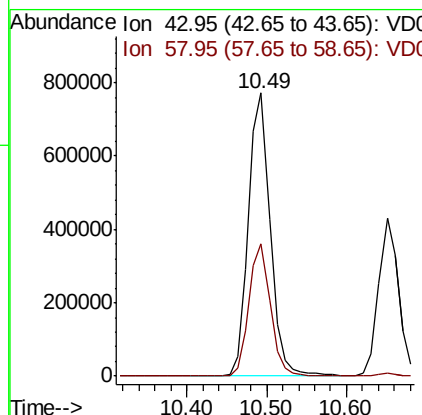
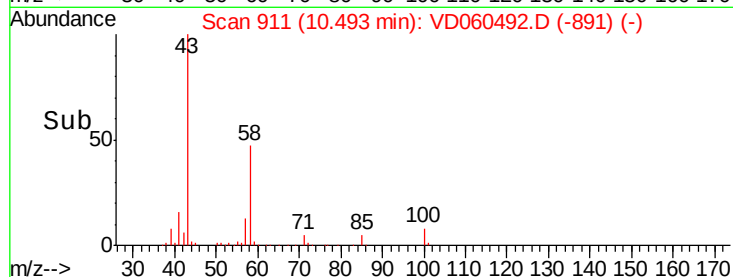
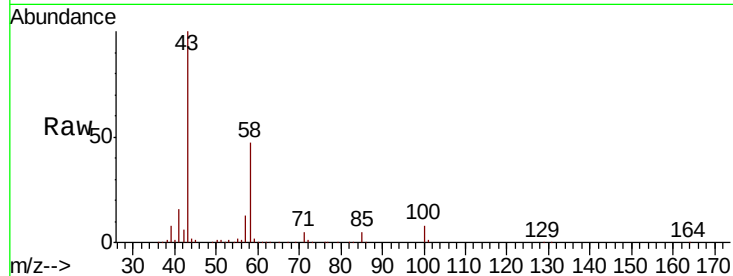
#59
2-Hexanone
Concen: 245.555 ug/l
RT: 10.49 min Scan# 911
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1452597
Ion Ratio Lower Upper
43 100
58 46.8 23.4 70.2

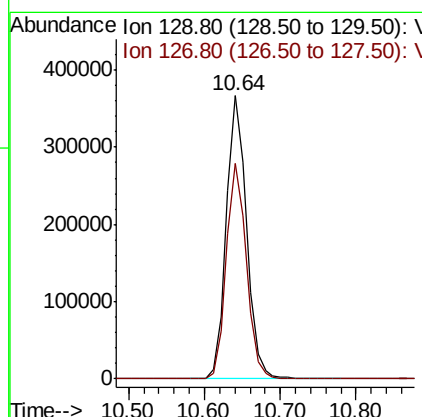
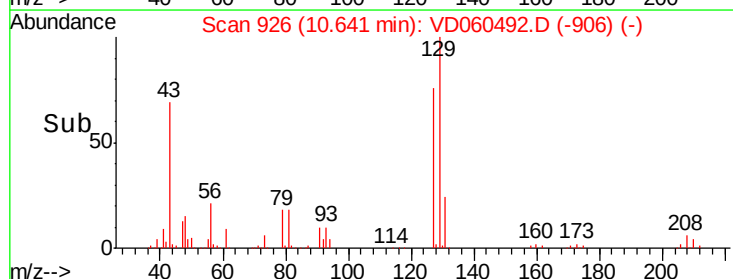
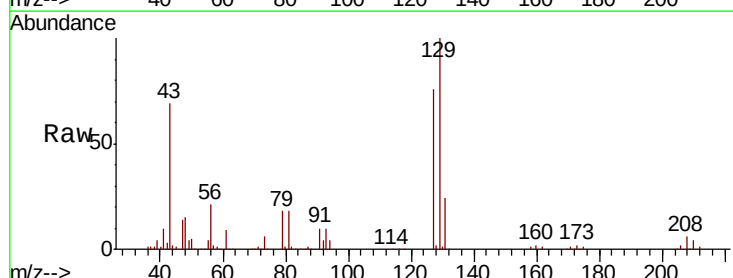
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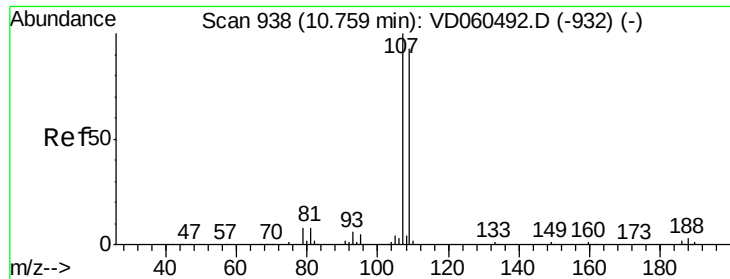
apatel
12/6/2018 10:51:42 AM



#60
Dibromochloromethane
Concen: 53.027 ug/l
RT: 10.64 min Scan# 926
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Tgt Ion: 129 Resp: 679296
Ion Ratio Lower Upper
129 100
127 76.2 38.1 114.3





#61

1,2-Dibromoethane

Concen: 51.793 ug/l

RT: 10.76 min Scan# 938

Delta R.T. 0.00 min

Lab File: VD060492.D

Acq: 5 Dec 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 107 Resp: 546952

Ion Ratio Lower Upper

107 100

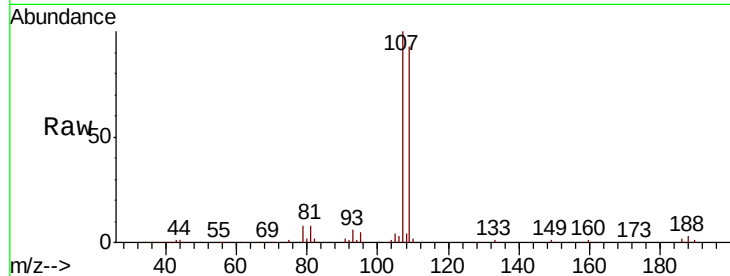
109 93.4 74.7 112.1

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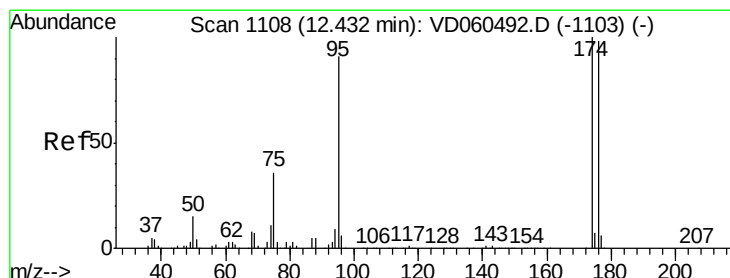
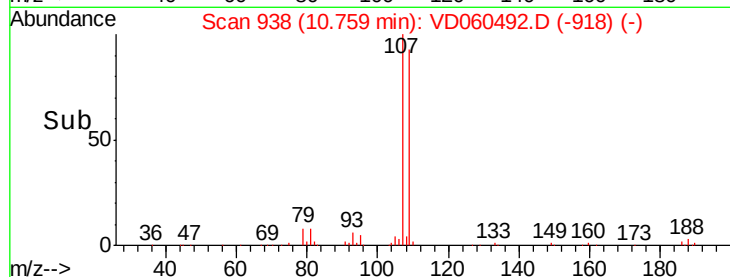
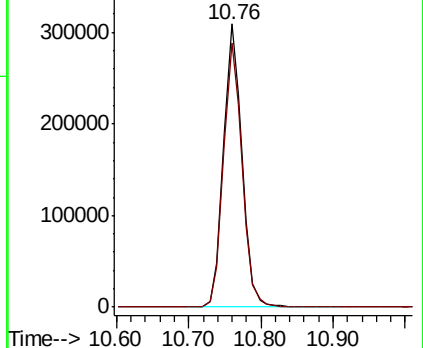
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 51.793 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VD060492.D

Acq: 5 Dec 2018 15:05

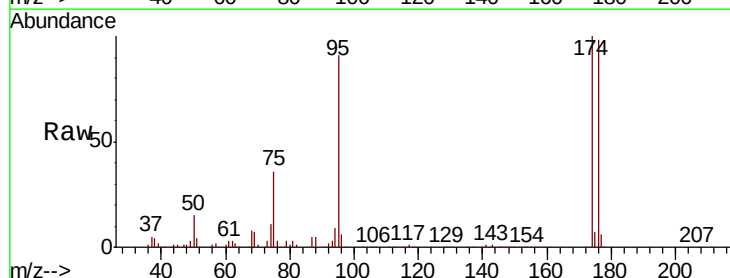
Tgt Ion: 95 Resp: 887874

Ion Ratio Lower Upper

95 100

174 109.7 0.0 219.4

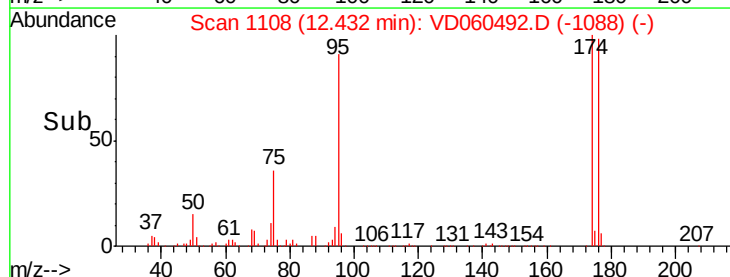
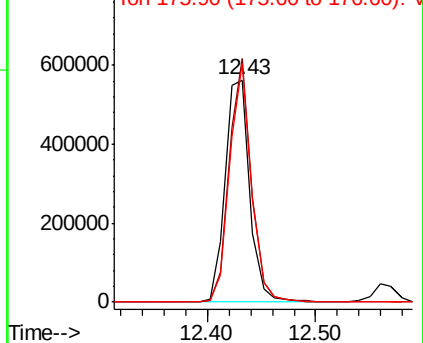
176 107.3 0.0 214.6

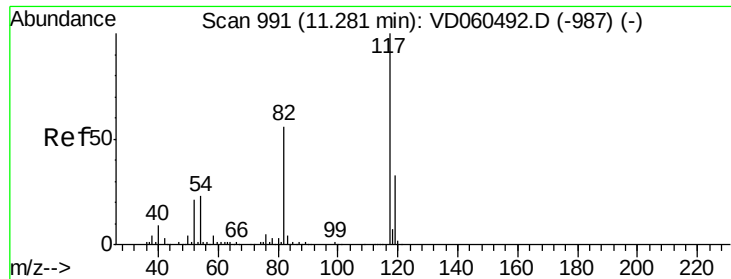


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





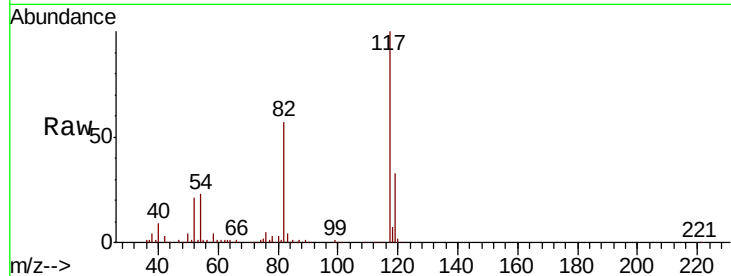
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

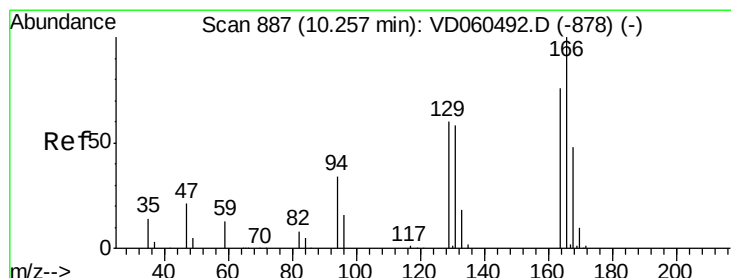
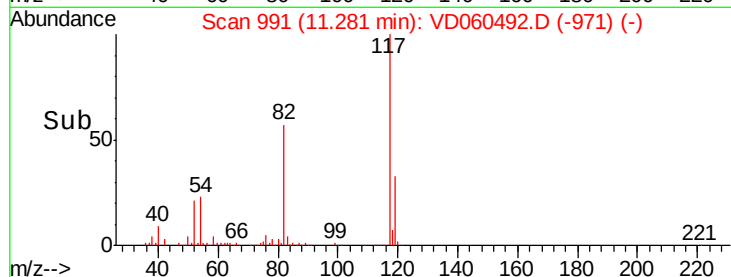
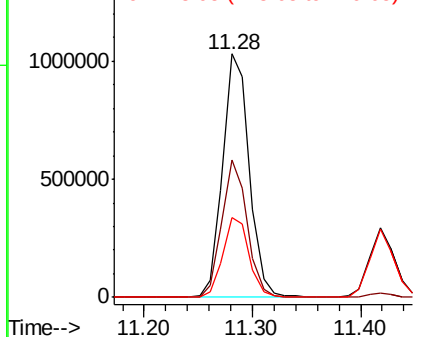
Tgt Ion:117 Resp: 1760236
Ion Ratio Lower Upper
117 100
82 56.5 45.2 67.8
119 32.6 26.1 39.1

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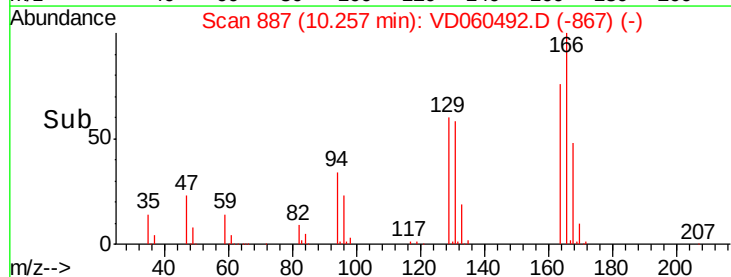
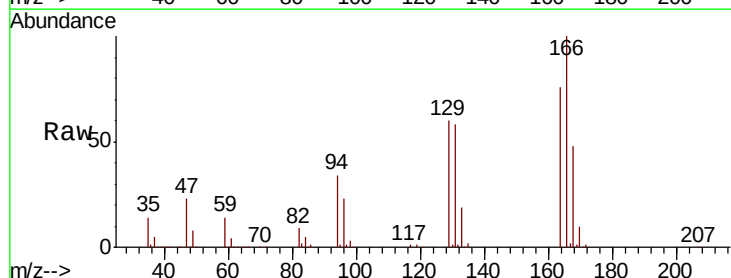
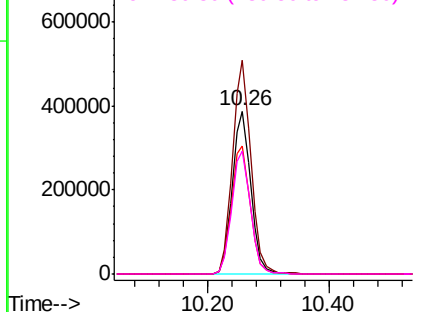
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

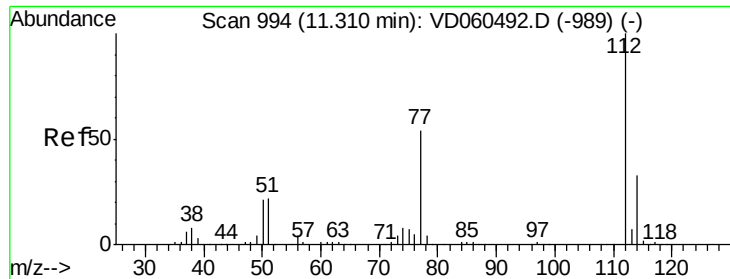


#64
Tetrachloroethene
Concen: 51.921 ug/l
RT: 10.26 min Scan# 887
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Tgt Ion:164 Resp: 818180
Ion Ratio Lower Upper
164 100
166 131.3 105.0 157.6
129 78.7 63.0 94.4
131 75.7 60.6 90.8

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





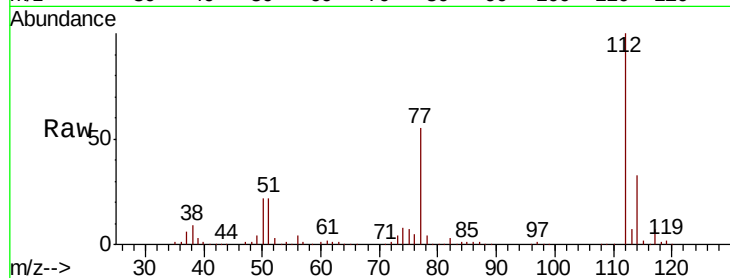
#65
Chlorobenzene
Concen: 50.534 ug/l
RT: 11.31 min Scan# 994
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

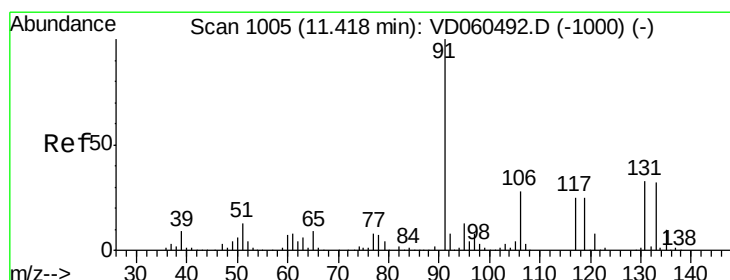
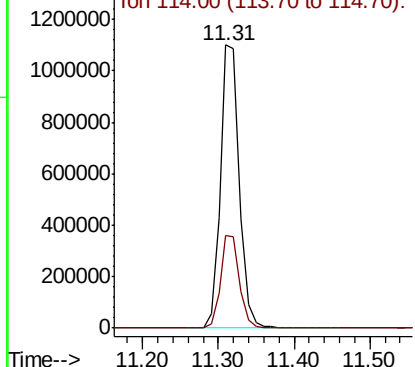
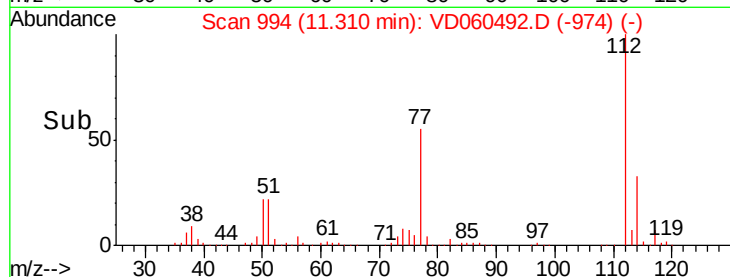
Tgt Ion:112 Resp: 1921654
Ion Ratio Lower Upper
112 100
114 32.8 26.2 39.4

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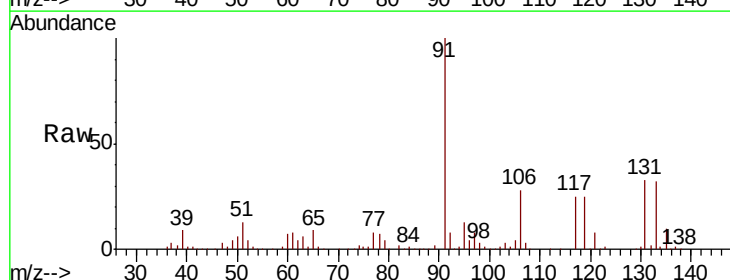


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

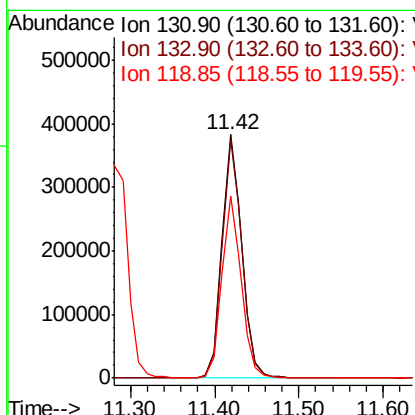
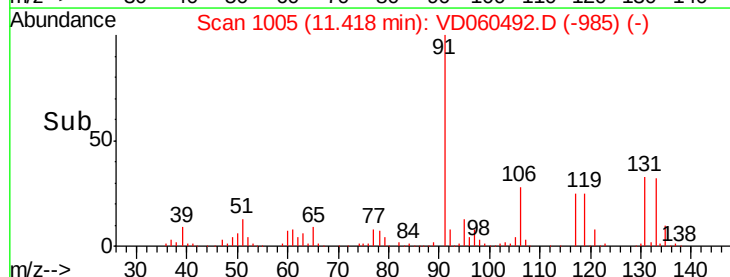


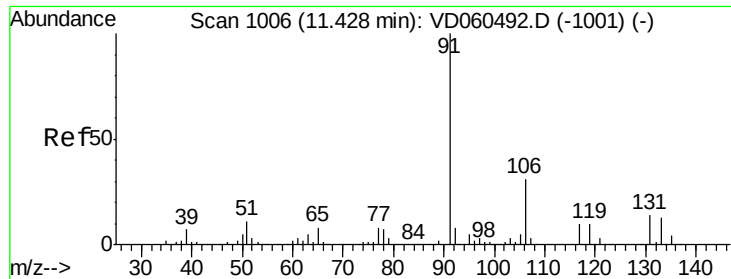
#66
1,1,1,2-Tetrachloroethane
Concen: 50.267 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Tgt Ion:131 Resp: 625109
Ion Ratio Lower Upper
131 100
133 98.2 49.1 147.3
119 74.9 37.5 112.3



Abundance Ion 130.90 (130.60 to 131.60): V
Ion 132.90 (132.60 to 133.60): V
Ion 118.85 (118.55 to 119.55): V





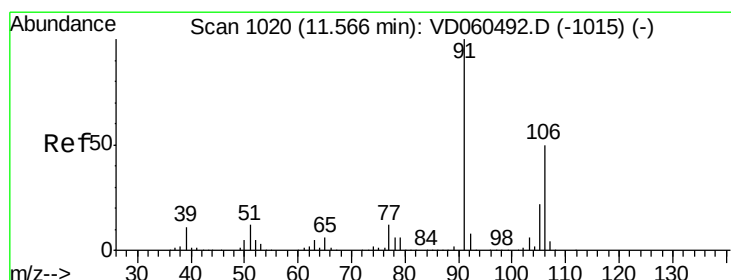
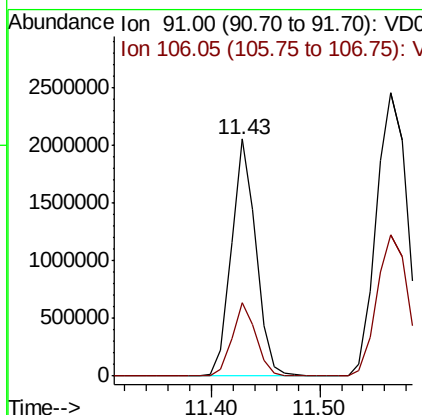
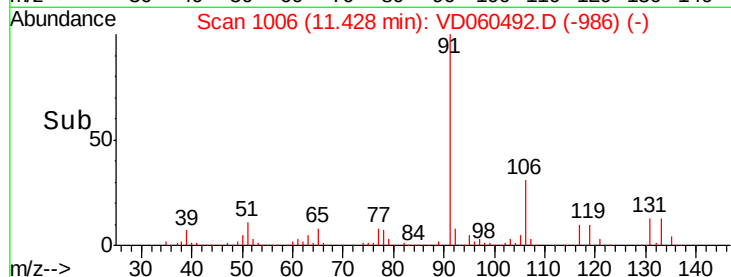
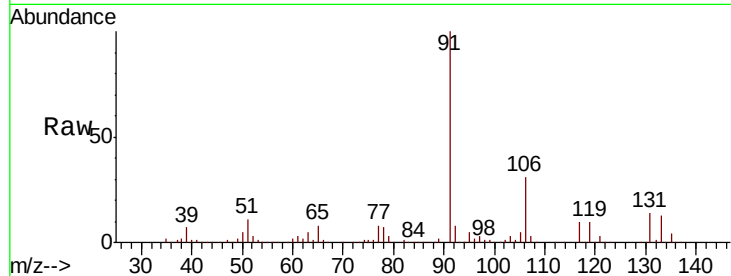
#67
Ethyl Benzene
Concen: 49.544 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 3234646
Ion Ratio Lower Upper
91 100
106 30.8 24.6 37.0

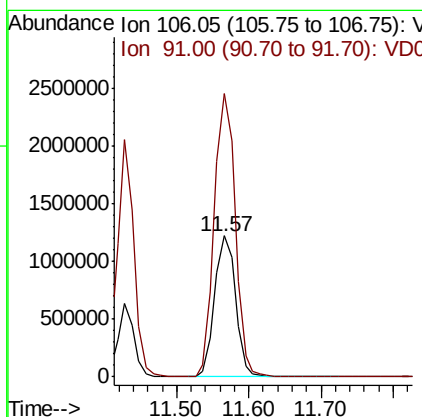
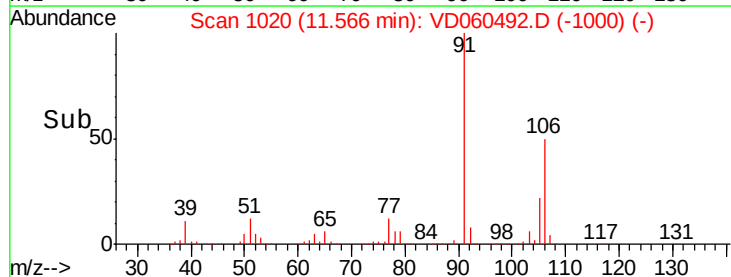
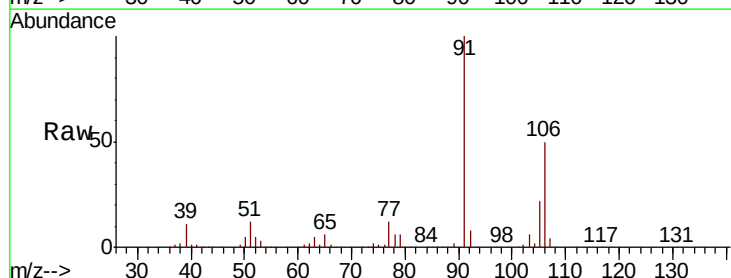
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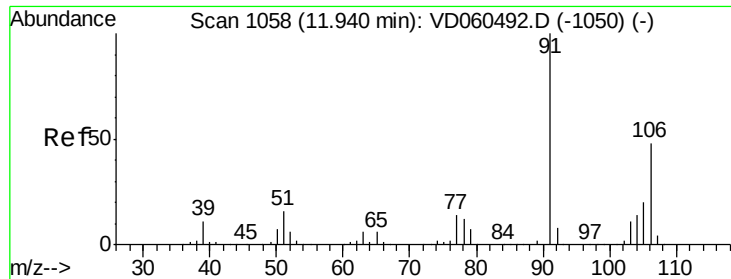
apatel
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#68
m/p-Xylenes
Concen: 101.726 ug/l
RT: 11.57 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Tgt Ion: 106 Resp: 2443823
Ion Ratio Lower Upper
106 100
91 200.6 160.5 240.7





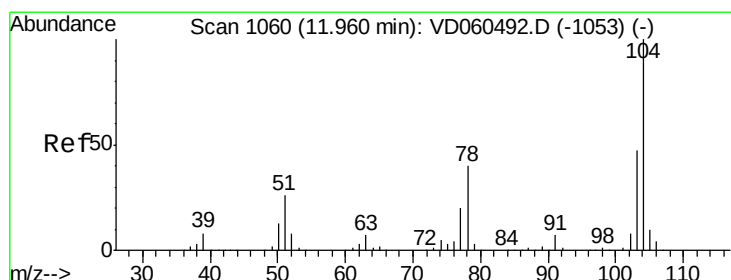
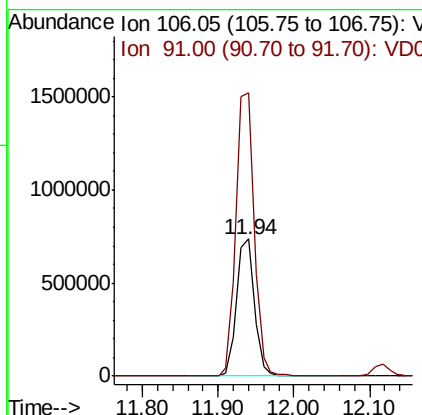
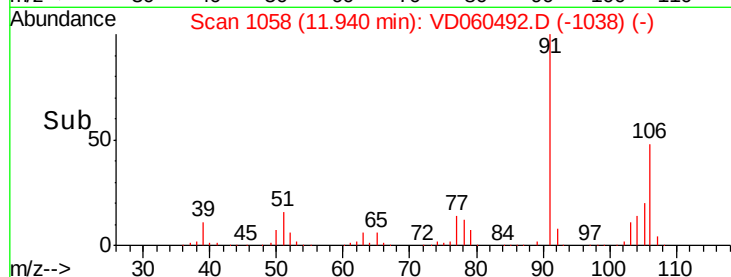
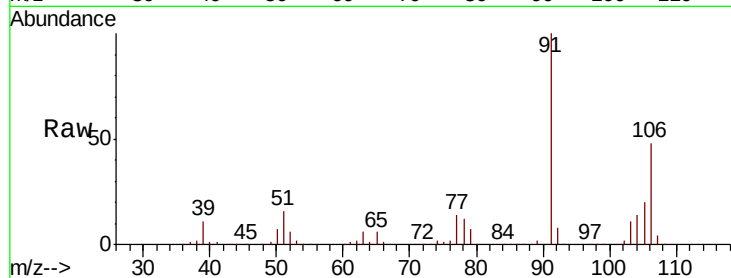
#69
o-Xylene
Concen: 51.049 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 1183613
Ion Ratio Lower Upper
106 100
91 206.7 103.4 310.1

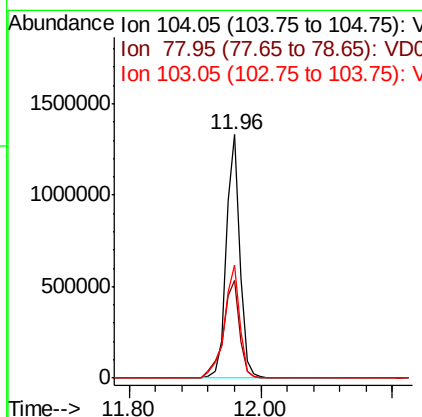
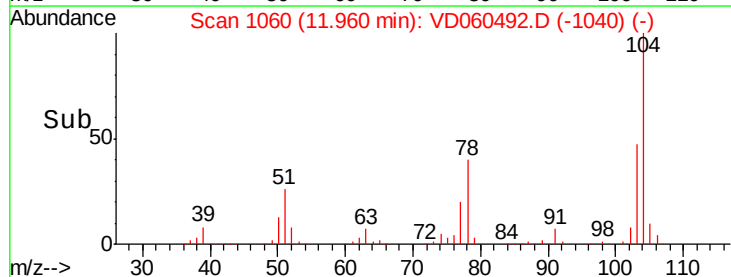
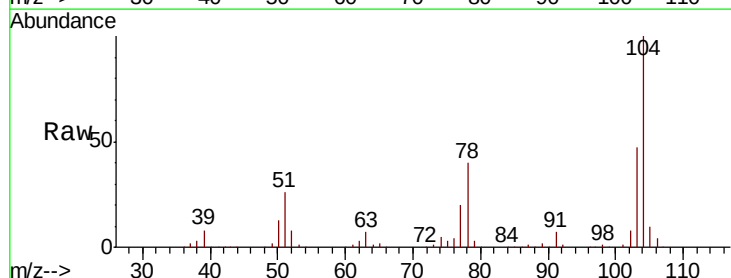
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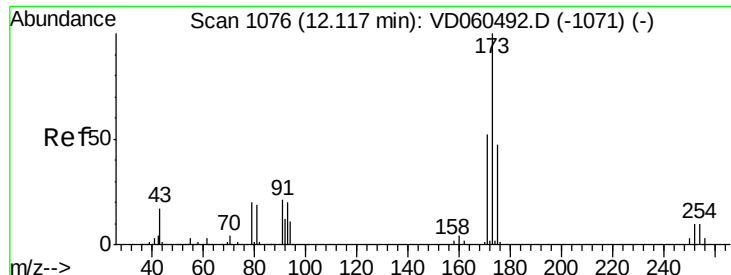
apatel
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#70
Styrene
Concen: 50.955 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Tgt Ion:104 Resp: 1919188
Ion Ratio Lower Upper
104 100
78 40.1 32.1 48.1
103 46.5 37.2 55.8





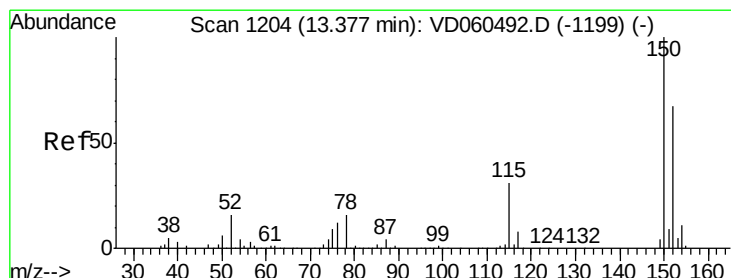
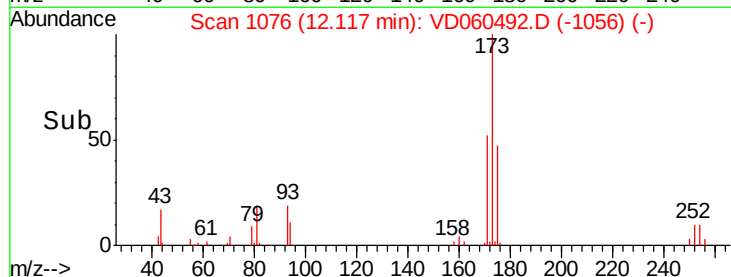
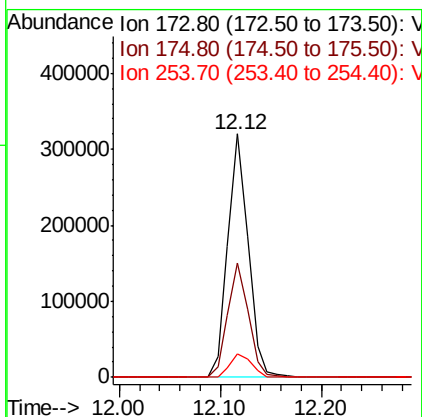
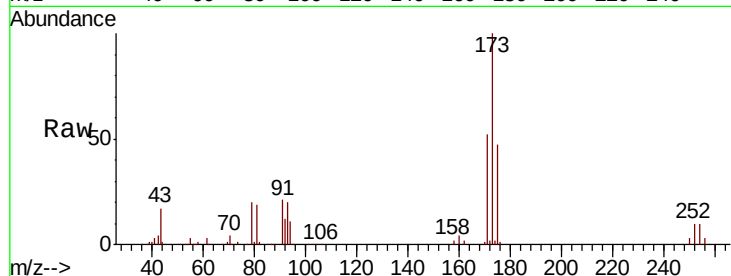
#71
Bromoform
Concen: 53.776 ug/l
RT: 12.12 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.1	23.5	70.6
254	9.8	7.8	11.8

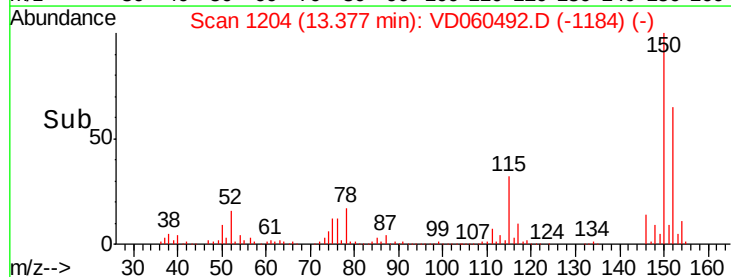
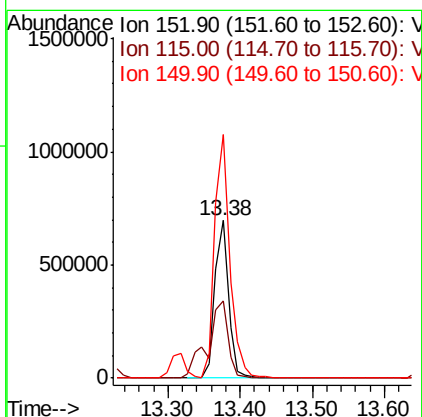
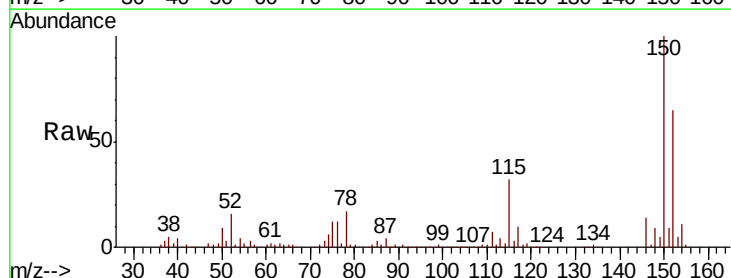
Manual Integrations
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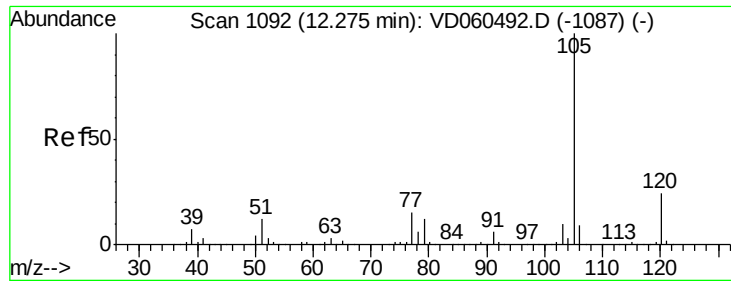
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1204
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	49.3	24.6	74.0
150	154.5	0.0	309.0





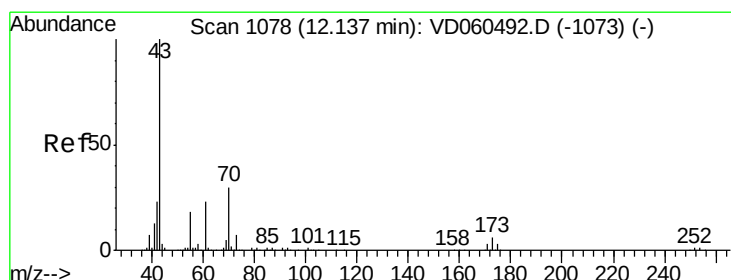
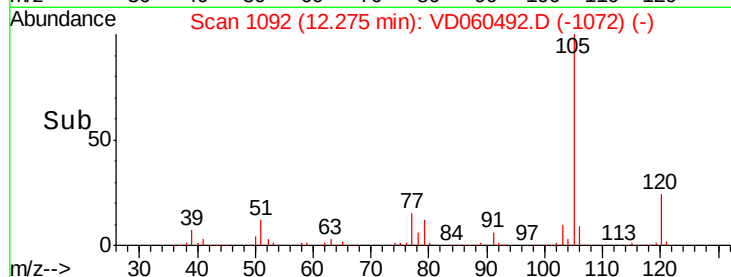
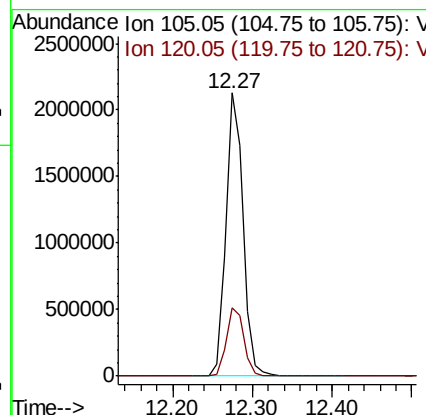
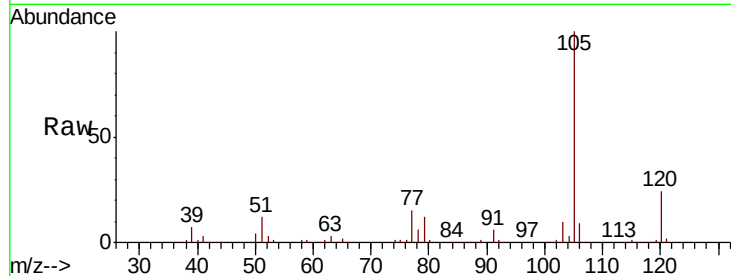
#73
Isopropylbenzene
Concen: 49.123 ug/l
RT: 12.27 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 105 Resp: 3239910
Ion Ratio Lower Upper
105 100
120 23.9 11.9 35.9

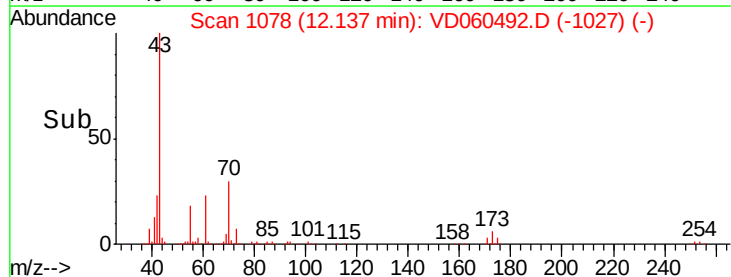
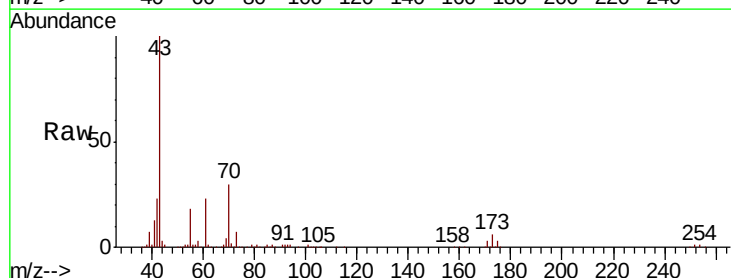
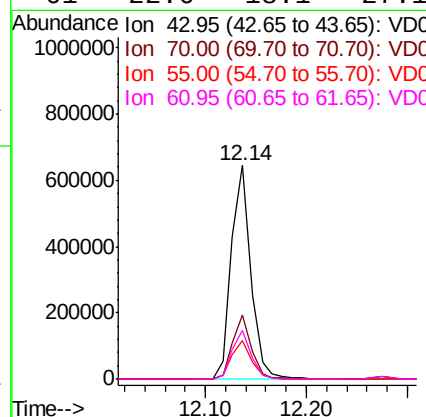
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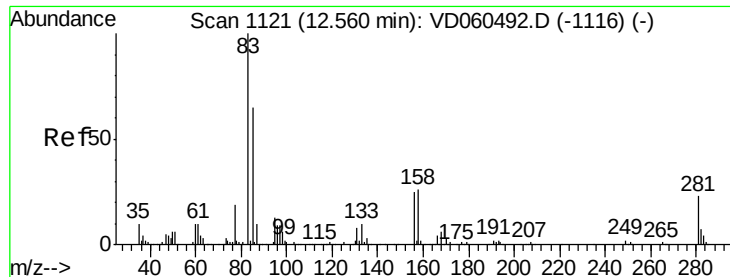
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#74
N-ethyl acetate
Concen: 51.420 ug/l
RT: 12.14 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Tgt Ion: 43 Resp: 864432
Ion Ratio Lower Upper
43 100
70 29.8 23.8 35.8
55 17.7 14.2 21.2
61 22.6 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 48.921 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VD060492.D

Acq: 5 Dec 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 522234

Ion Ratio Lower Upper

83 100

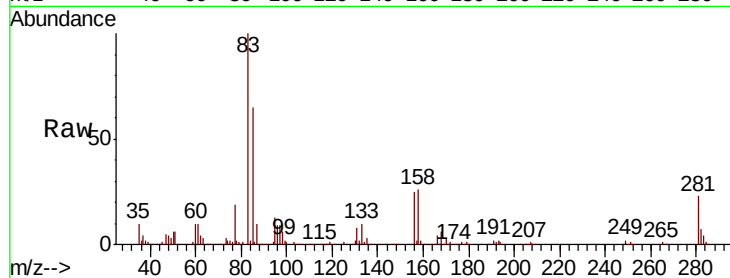
131 7.6 3.8 11.4

85 64.6 32.3 96.9

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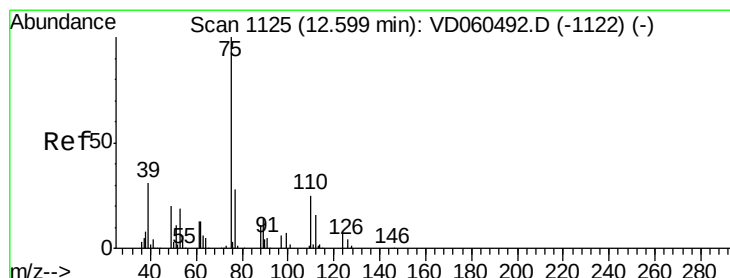
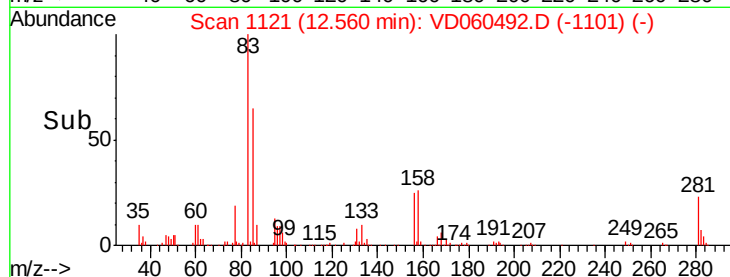
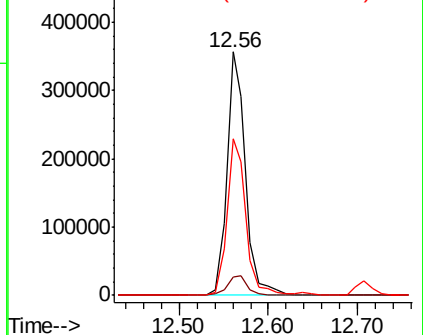
12/6/2018 10:51:42 AM



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 50.185 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VD060492.D

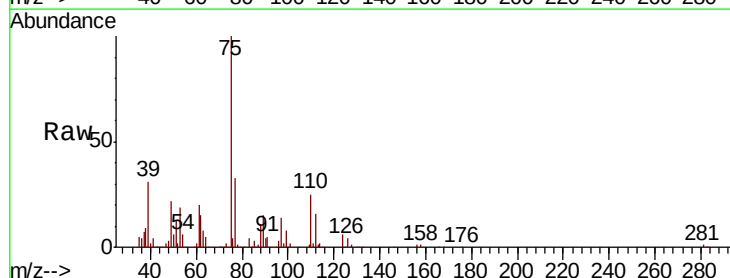
Acq: 5 Dec 2018 15:05

Tgt Ion: 75 Resp: 539314

Ion Ratio Lower Upper

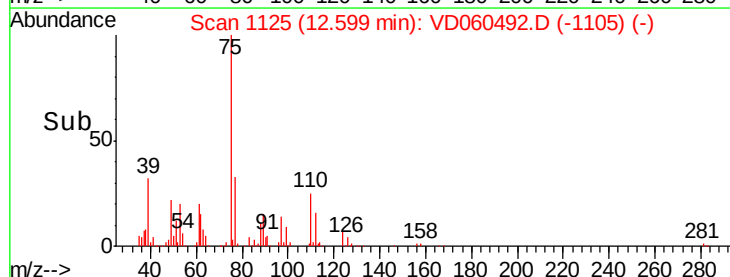
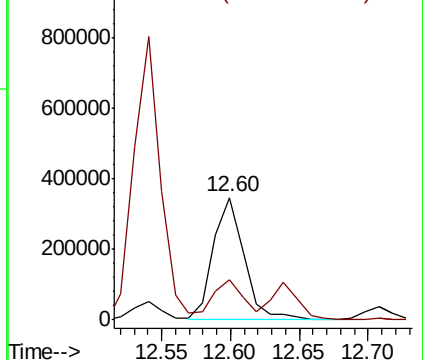
75 100

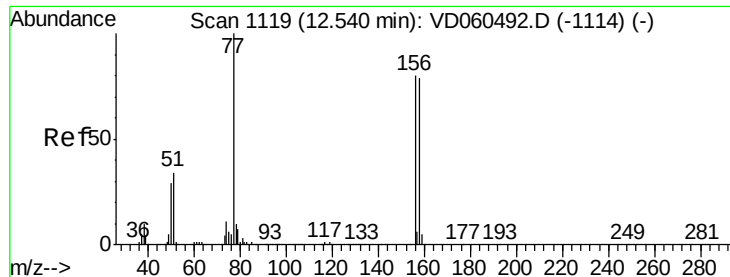
77 32.9 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 49.651 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. 0.00 min

Lab File: VD060492.D

Acq: 5 Dec 2018 15:05

Instrument :

MSVOA_D

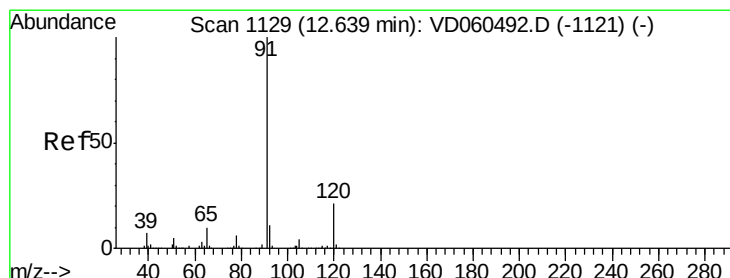
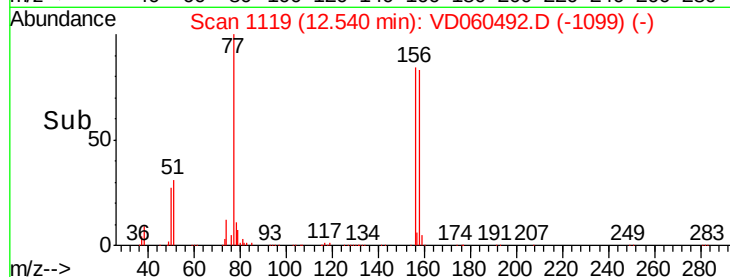
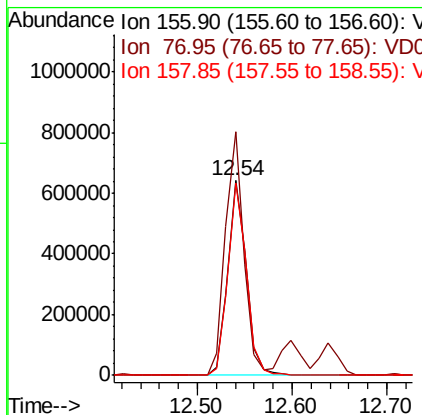
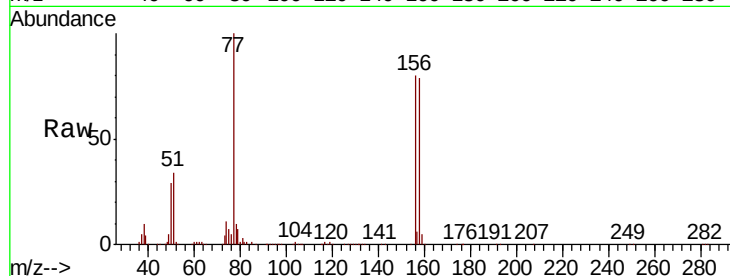
ClientSampleId :

VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	125.1	62.5	187.6
158	98.8	49.4	148.2

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#78

n-propylbenzene

Concen: 49.524 ug/l

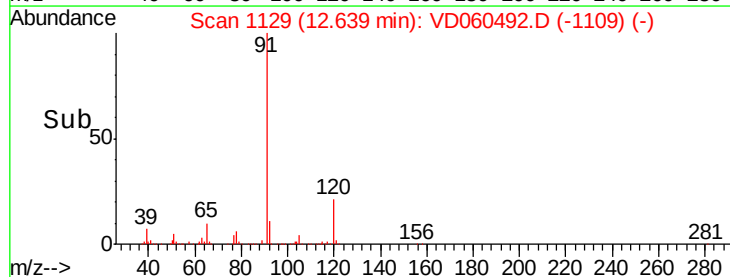
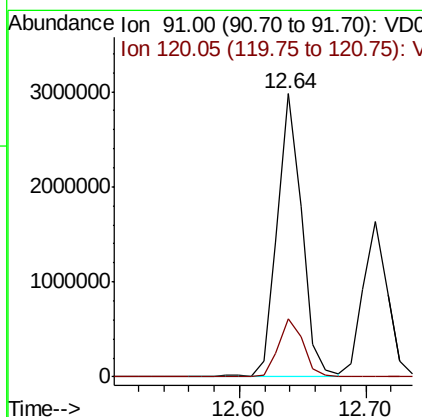
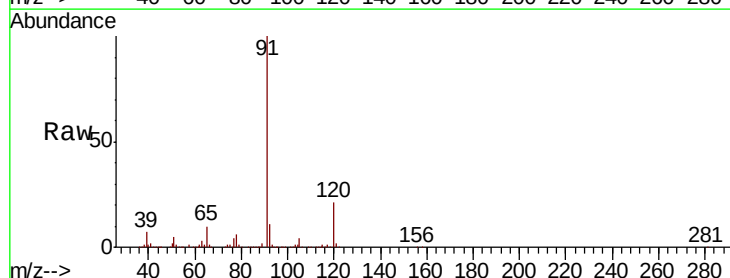
RT: 12.64 min Scan# 1129

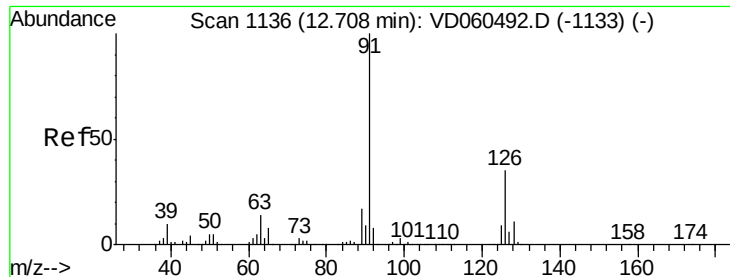
Delta R.T. 0.00 min

Lab File: VD060492.D

Acq: 5 Dec 2018 15:05

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.7	10.4	31.1





#79

2-Chlorotoluene

Concen: 49.219 ug/l

RT: 12.71 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VD060492.D

Acq: 5 Dec 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 2216064

Ion Ratio Lower Upper

91 100

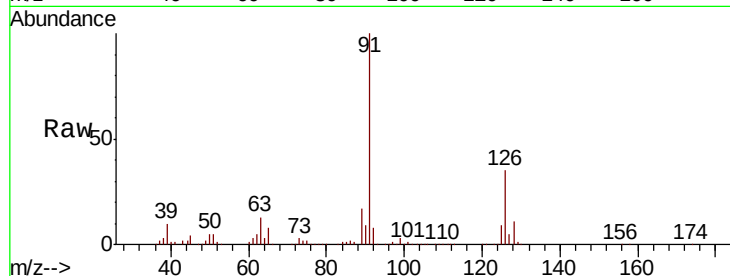
126 34.7 17.3 52.0

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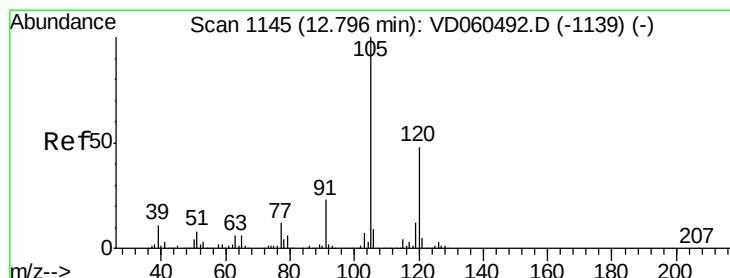
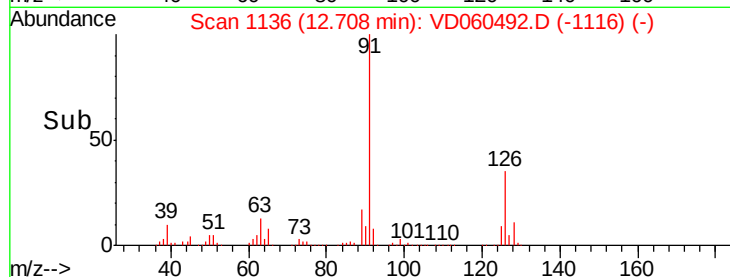
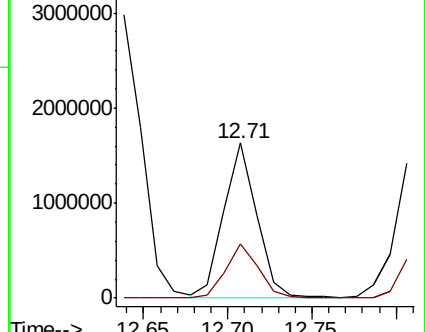
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 48.221 ug/l

RT: 12.80 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VD060492.D

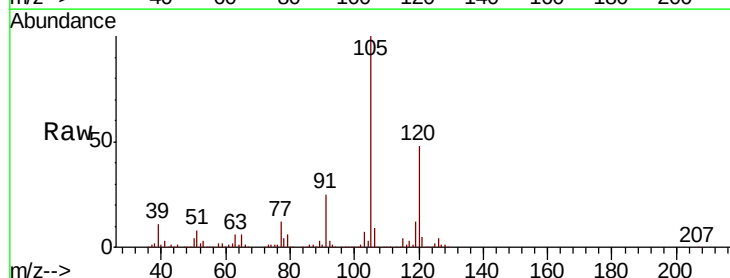
Acq: 5 Dec 2018 15:05

Tgt Ion: 105 Resp: 2451305

Ion Ratio Lower Upper

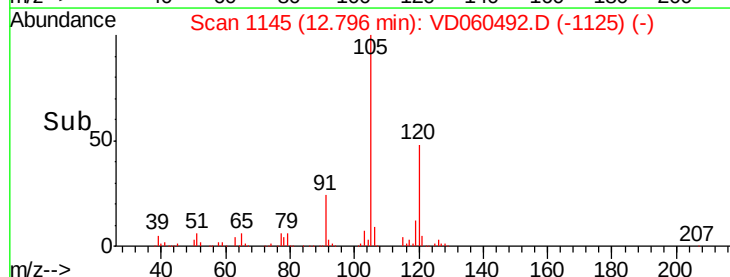
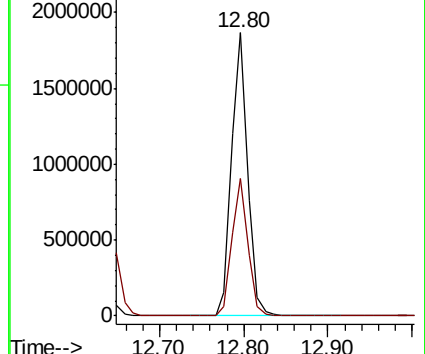
105 100

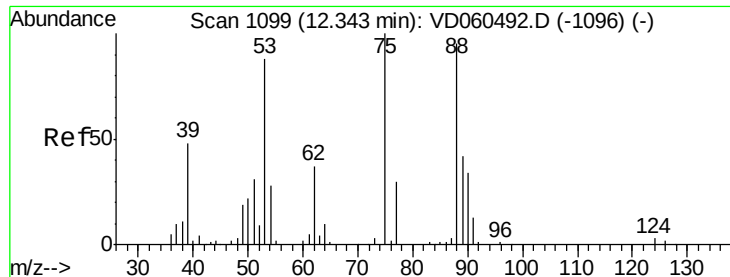
120 48.4 24.2 72.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





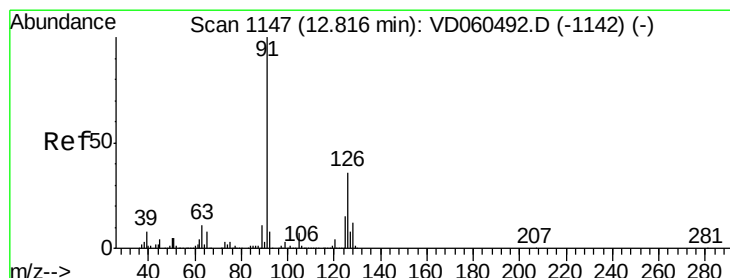
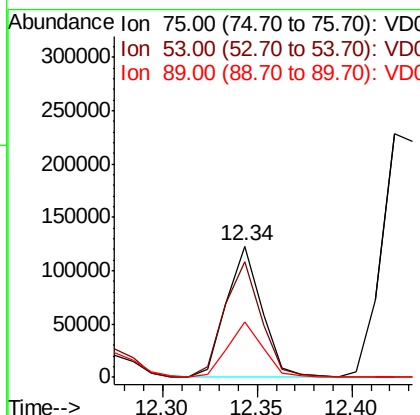
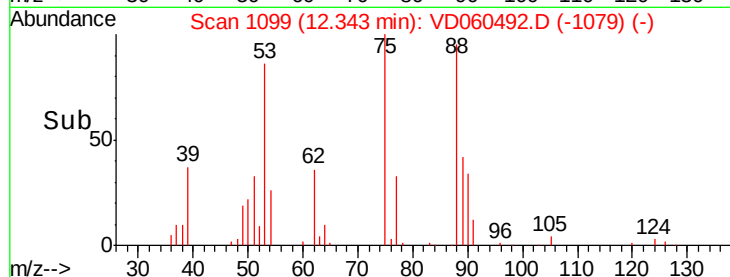
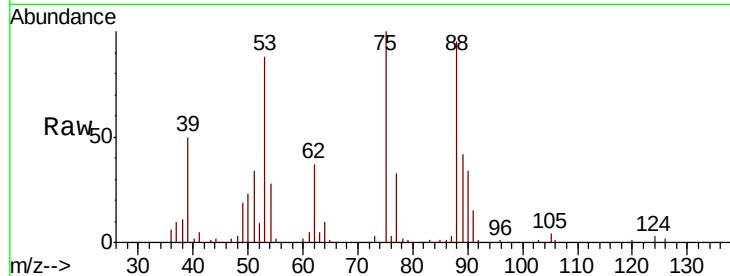
#81
trans-1,4-Dichloro-2-butene
Concen: 51.690 ug/l
RT: 12.34 min Scan# 1099
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	88.1	70.5	105.7
89	42.0	33.6	50.4

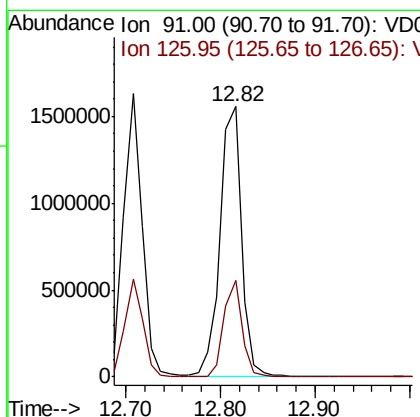
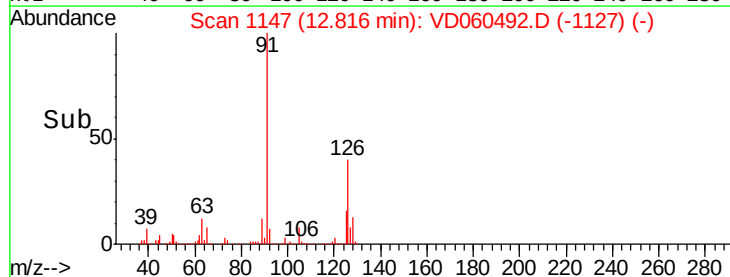
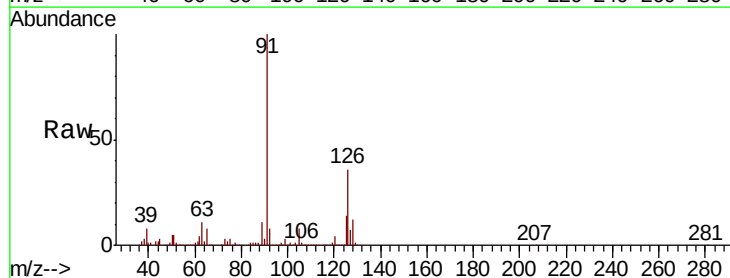
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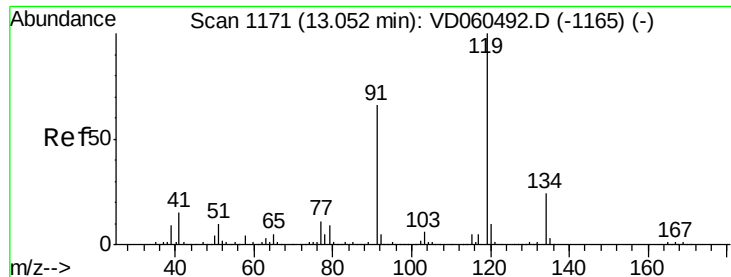
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#82
4-Chlorotoluene
Concen: 48.341 ug/l
RT: 12.82 min Scan# 1147
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.8	53.4





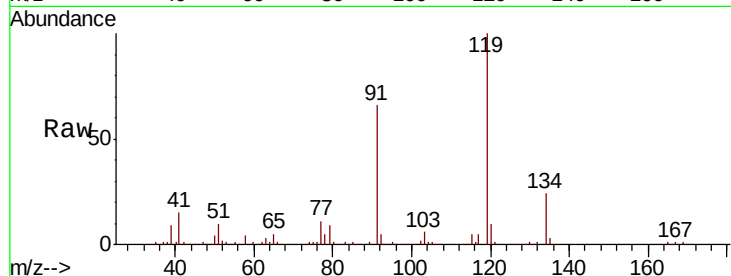
#83
 tert-Butylbenzene
 Concen: 50.359 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. 0.00 min
 Lab File: VD060492.D
 Acq: 5 Dec 2018 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

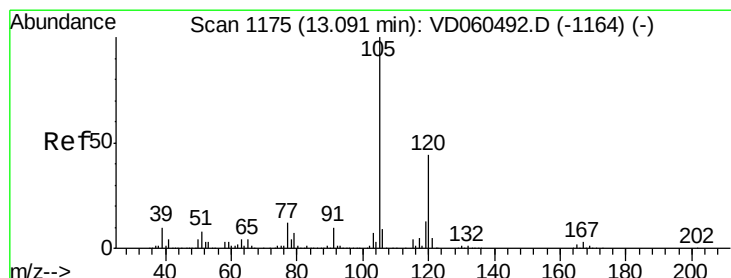
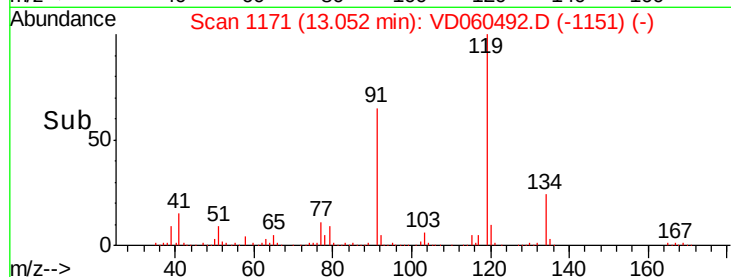
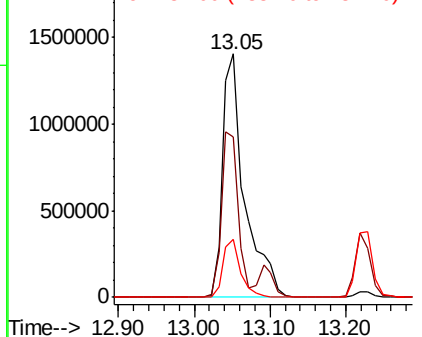
Tgt Ion:119 Resp: 2850016
 Ion Ratio Lower Upper
 119 100
 91 66.1 33.1 99.2
 134 24.0 12.0 36.0

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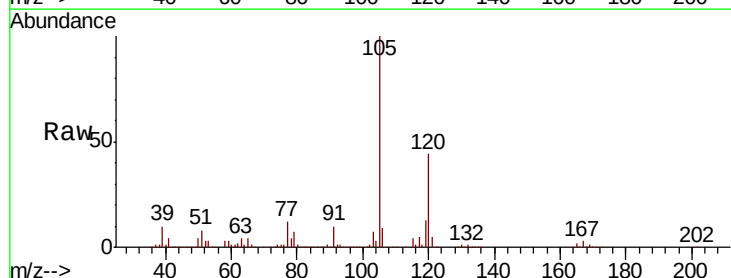


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

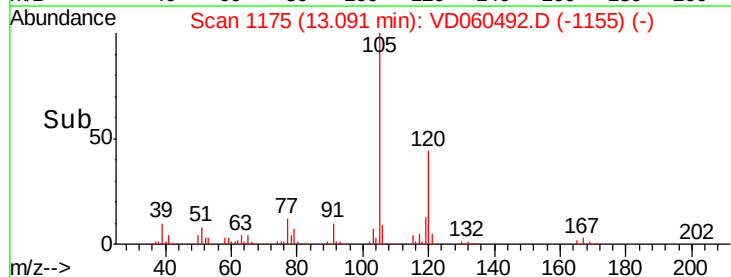
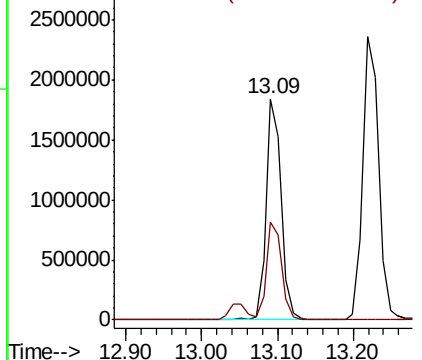


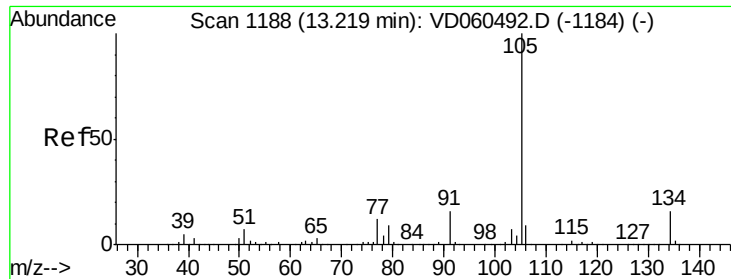
#84
 1,2,4-Trimethylbenzene
 Concen: 50.433 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VD060492.D
 Acq: 5 Dec 2018 15:05

Tgt Ion:105 Resp: 2568466
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.3 66.8



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





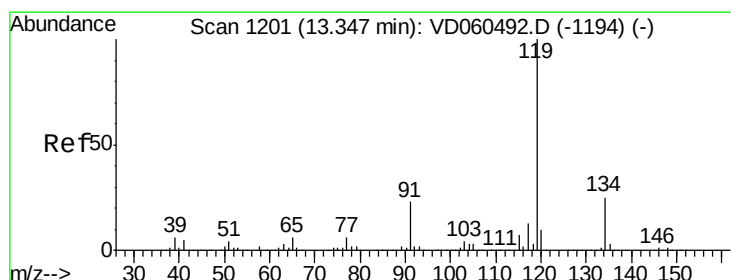
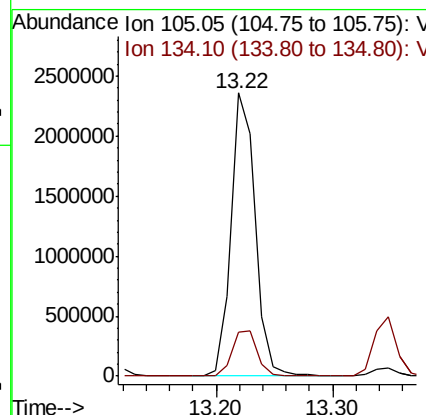
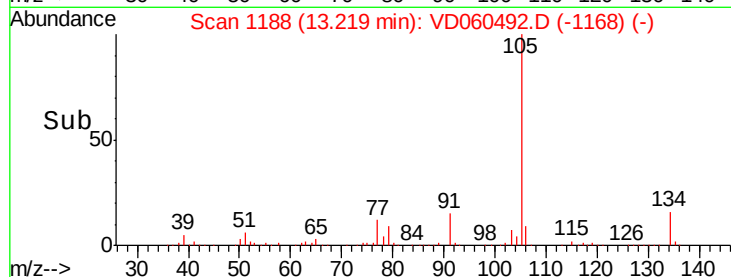
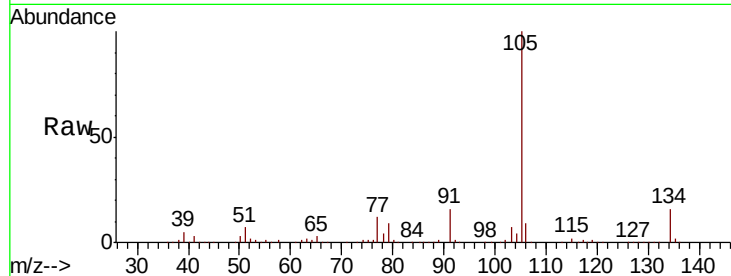
#85
 sec-Butylbenzene
 Concen: 48.716 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VD060492.D
 Acq: 5 Dec 2018 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion:105 Resp: 3366225
 Ion Ratio Lower Upper
 105 100
 134 15.8 7.9 23.7

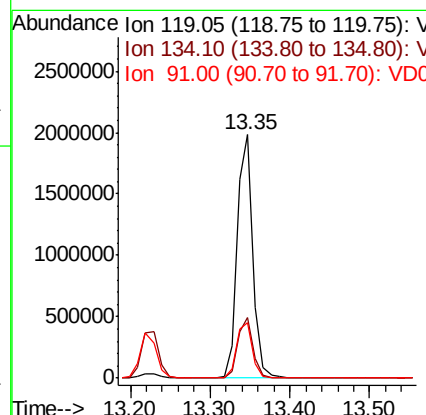
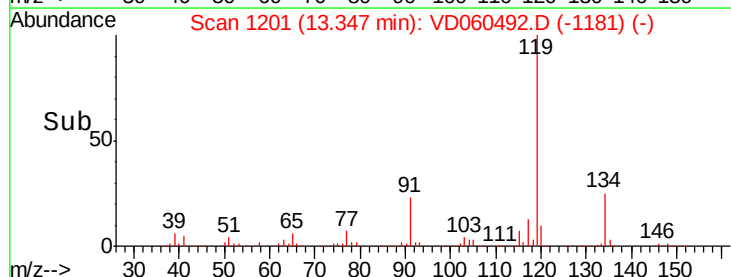
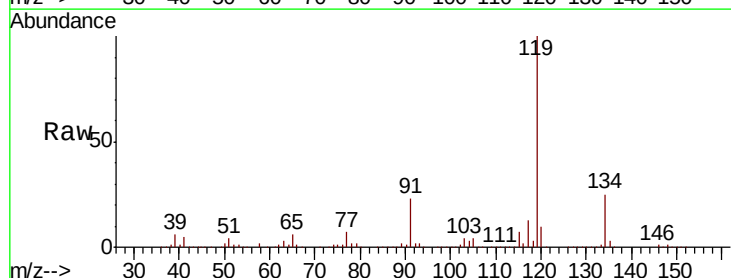
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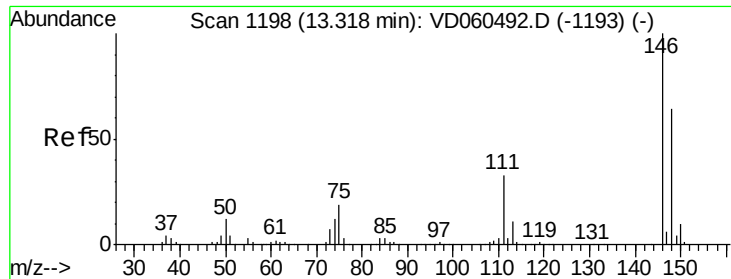
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#86
 p-Isopropyltoluene
 Concen: 48.873 ug/l
 RT: 13.35 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VD060492.D
 Acq: 5 Dec 2018 15:05

Tgt Ion:119 Resp: 2715432
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.5 37.5
 91 22.9 11.5 34.4





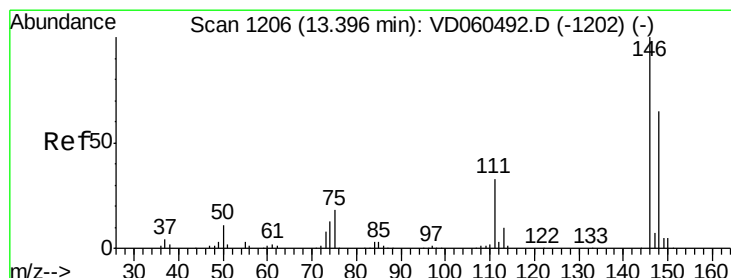
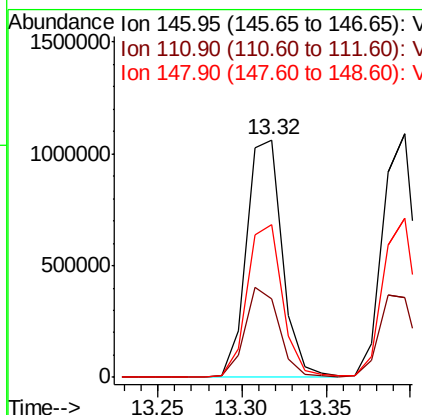
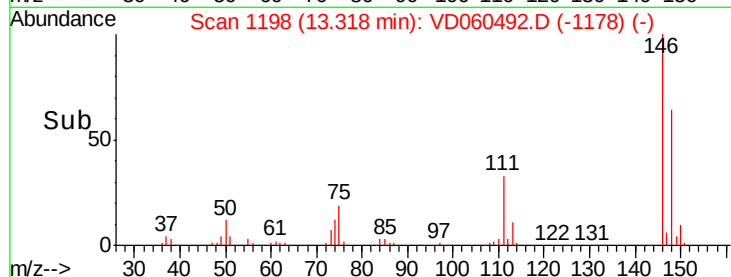
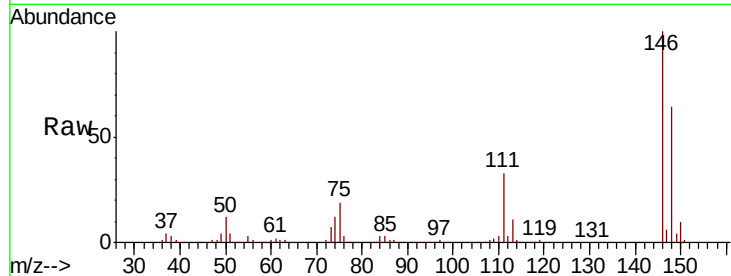
#87
 1,3-Dichlorobenzene
 Concen: 50.646 ug/l
 RT: 13.32 min Scan# 1198
 Delta R.T. 0.00 min
 Lab File: VD060492.D
 Acq: 5 Dec 2018 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.0	16.5	49.5
148	64.5	32.3	96.8

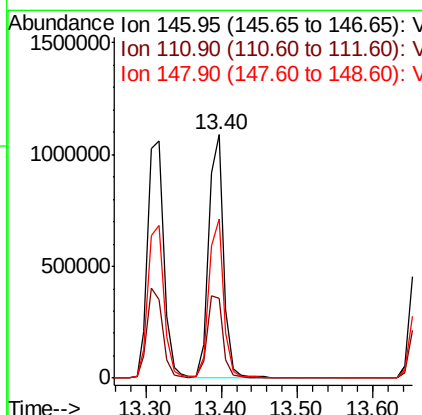
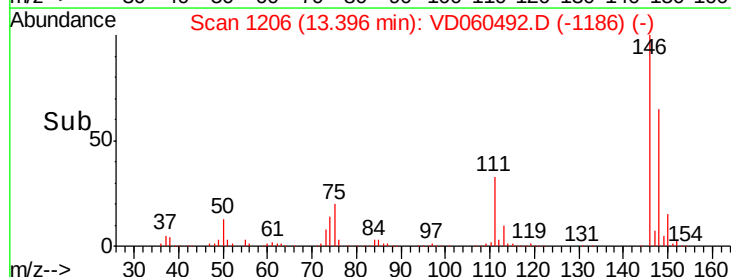
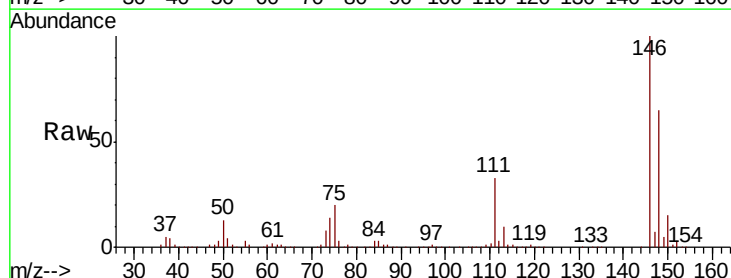
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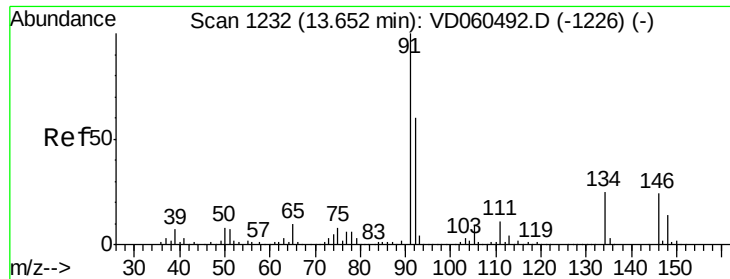
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#88
 1,4-Dichlorobenzene
 Concen: 49.975 ug/l
 RT: 13.40 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VD060492.D
 Acq: 5 Dec 2018 15:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.7	16.4	49.1
148	65.3	32.6	98.0





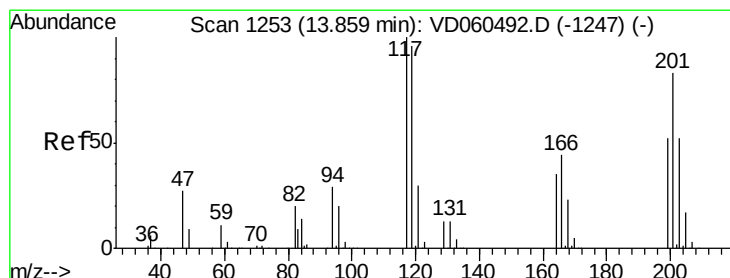
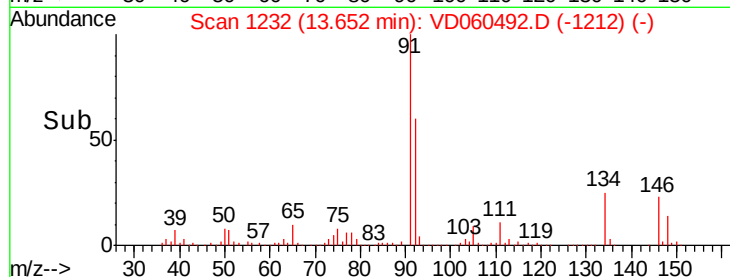
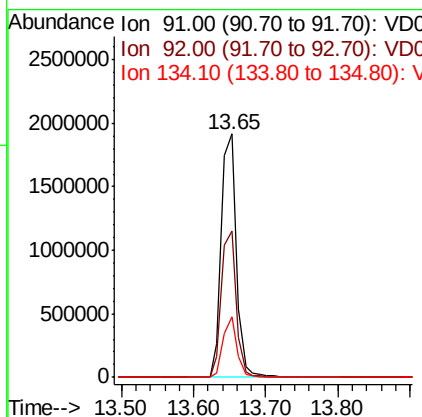
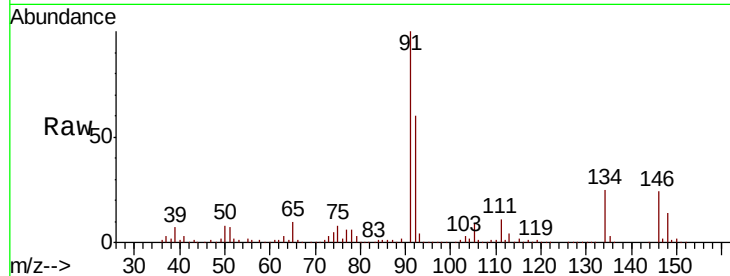
#89
n-Butylbenzene
Concen: 48.323 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 2747632
Ion Ratio Lower Upper
91 100
92 60.1 30.0 90.1
134 25.0 12.5 37.5

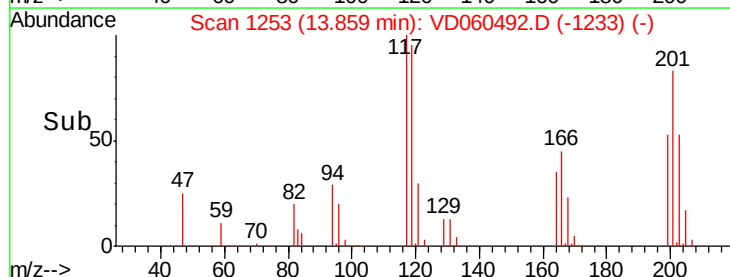
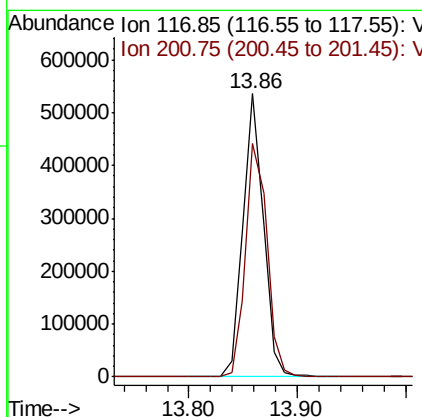
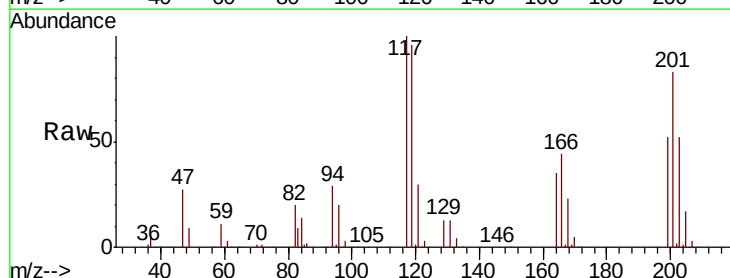
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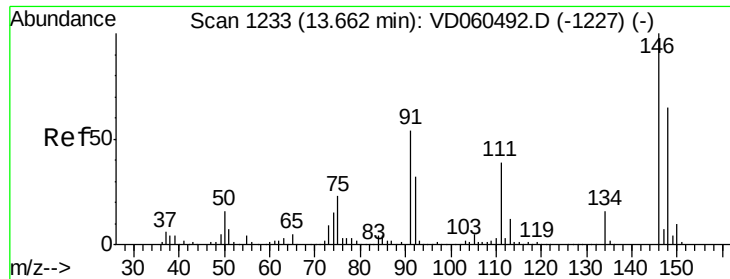
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#90
Hexachloroethane
Concen: 52.616 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Tgt Ion: 117 Resp: 703291
Ion Ratio Lower Upper
117 100
201 82.6 41.3 123.9





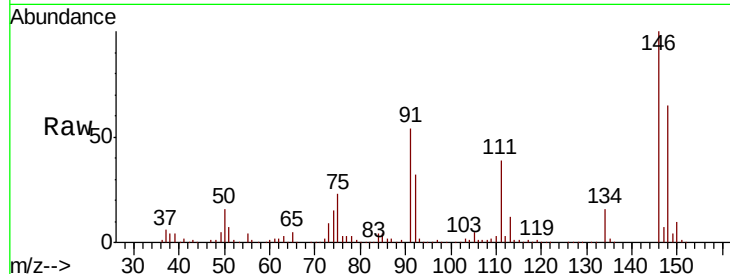
#91
 1,2-Dichlorobenzene
 Concen: 49.142 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD060492.D
 Acq: 5 Dec 2018 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

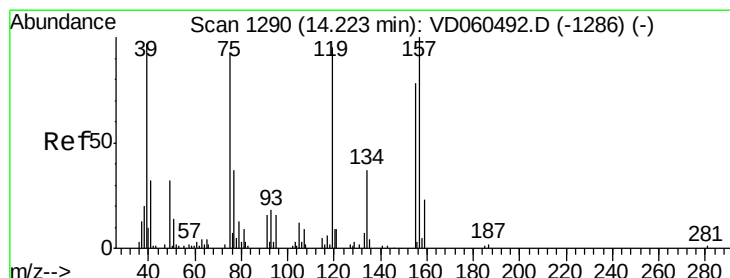
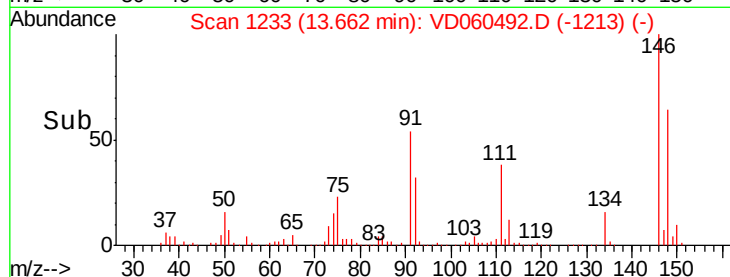
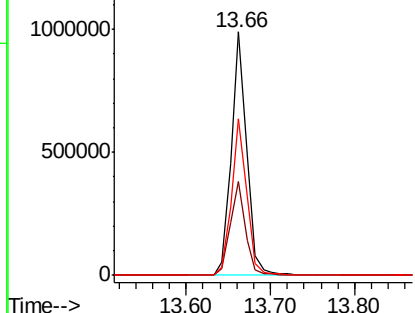
Tgt Ion: 146 Resp: 1248458
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.3 57.8
 148 64.5 32.3 96.8

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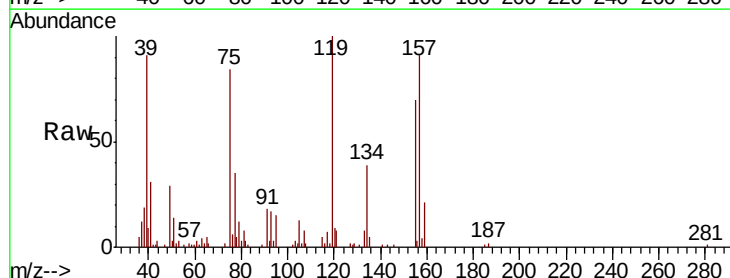


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

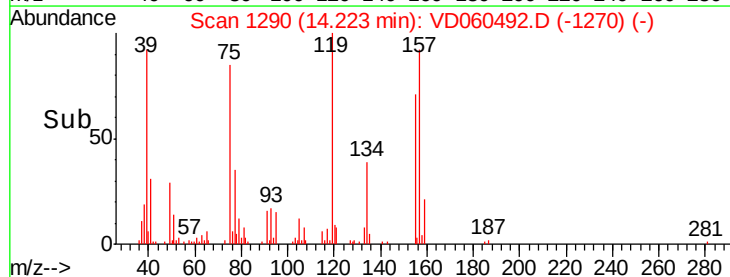
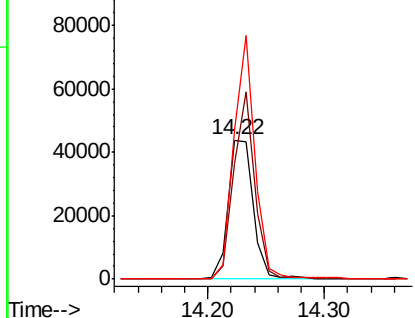


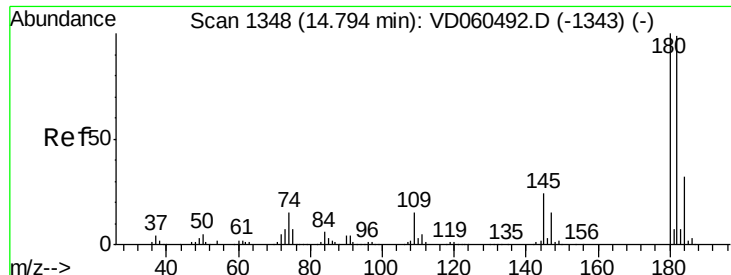
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.833 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD060492.D
 Acq: 5 Dec 2018 15:05

Tgt Ion: 75 Resp: 65303
 Ion Ratio Lower Upper
 75 100
 155 83.3 41.6 124.9
 157 107.2 53.6 160.8



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





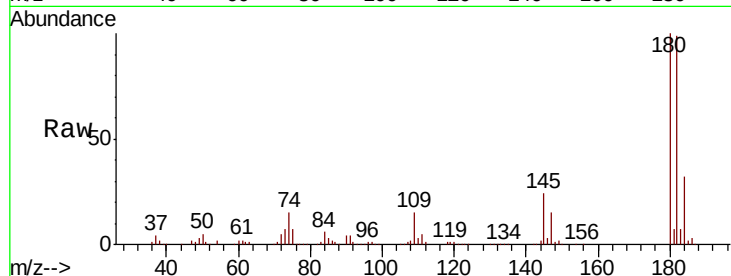
#93
 1,2,4-Trichlorobenzene
 Concen: 50.080 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VD060492.D
 Acq: 5 Dec 2018 15:05

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDICCC050

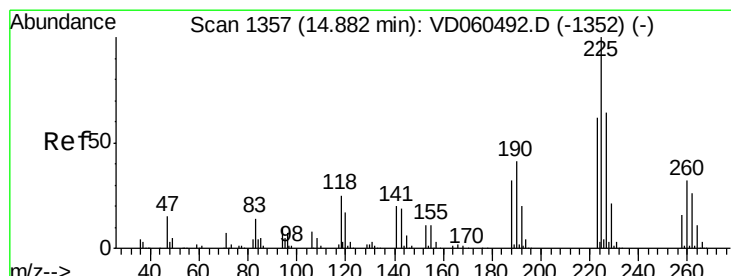
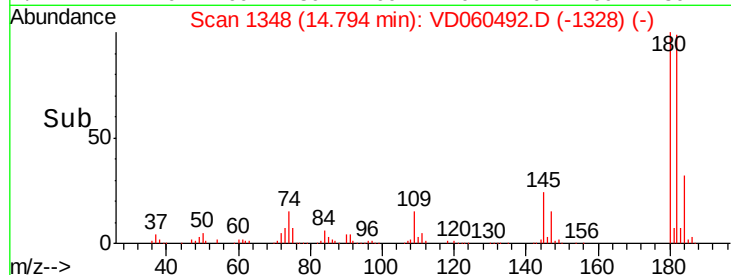
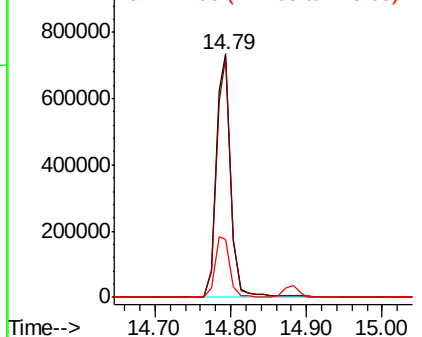
Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.7	49.4	148.0
145	23.9	11.9	35.9

Manual Integrations
 APPROVED

apatel
 12/6/2018 10:51:42 AM

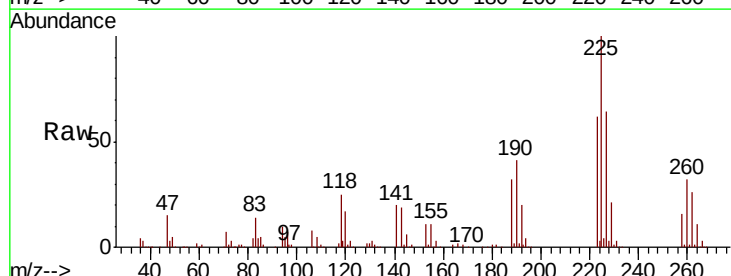


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

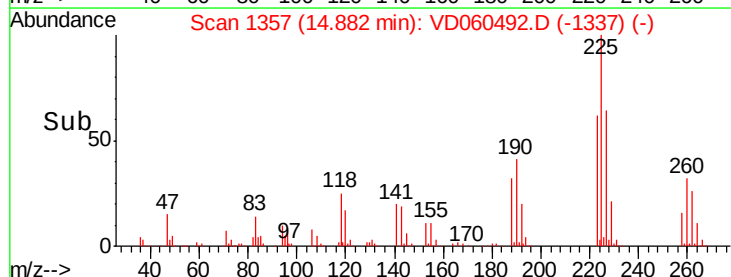
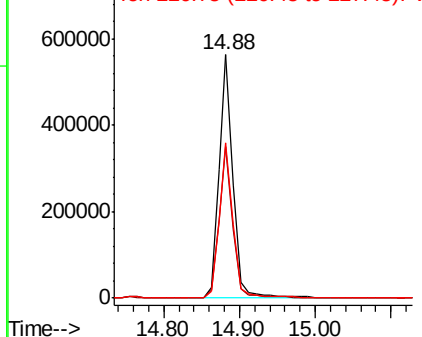


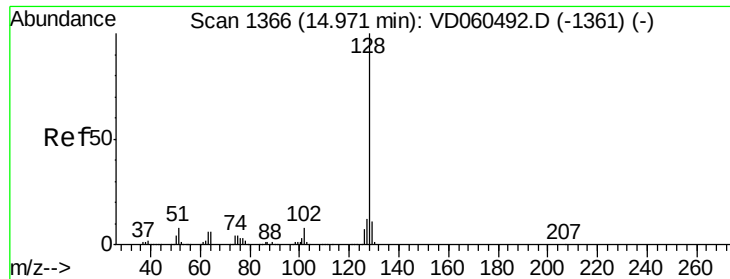
#94
 Hexachlorobutadiene
 Concen: 49.094 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.00 min
 Lab File: VD060492.D
 Acq: 5 Dec 2018 15:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.2	93.6
227	64.0	32.0	96.0



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





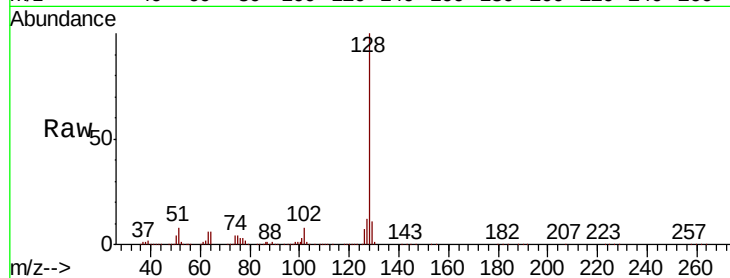
#95
Naphthalene
Concen: 51.736 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.8	14.8
129	10.8	8.6	13.0

Manual Integrations
APPROVED

apatel
12/6/2018 10:51:42 AM

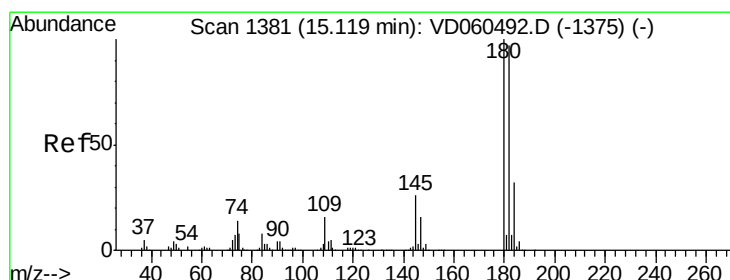
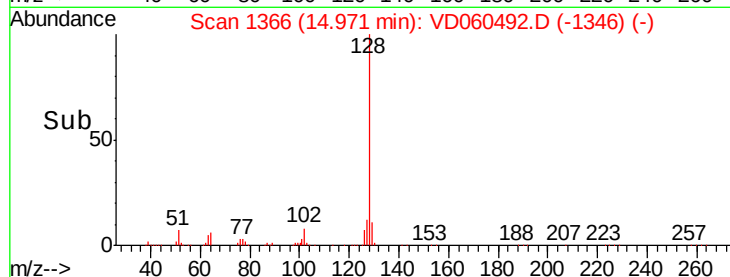
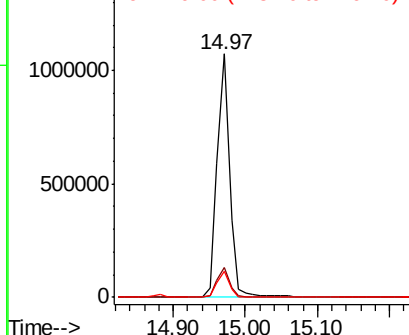


Abundance

Ion 128.00 (127.70 to 128.70): V

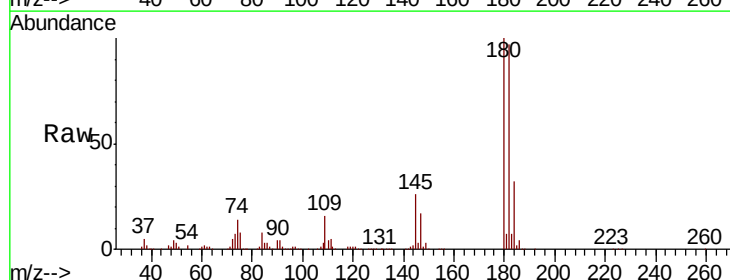
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 49.276 ug/l
RT: 15.12 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VD060492.D
Acq: 5 Dec 2018 15:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	48.5	145.5
145	25.8	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

