

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120418\
 Data File : VD060480.D
 Acq On : 4 Dec 2018 10:30
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 05 02:23:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1532427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	2092015	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1654021	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	852373	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.80	65	501175	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	
35) Dibromofluoromethane	6.34	113	752388	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
50) Toluene-d8	9.47	98	2095983	45.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.82%	
62) 4-Bromofluorobenzene	12.43	95	760078	45.94	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	91.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	593794	49.340	ug/l	96
3) Chloromethane	1.78	50	633616	43.651	ug/l	97
4) Vinyl Chloride	1.88	62	576243	48.610	ug/l	99
5) Bromomethane	2.17	94	135853	48.304	ug/l	97
6) Chloroethane	2.28	64	185702	47.212	ug/l	97
7) Trichlorofluoromethane	2.54	101	700865	50.147	ug/l	99
8) Diethyl Ether	2.85	74	134685	53.227	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.12	101	494097	53.750	ug/l	99
10) Methyl Iodide	3.28	142	558177	46.752	ug/l	99
11) Tert butyl alcohol	3.99	59	132731	294.587	ug/l #	92
12) 1,1-Dichloroethene	3.10	96	387548	51.830	ug/l	97
13) Acrolein	3.01	56	99688	187.245	ug/l	97
14) Allyl chloride	3.56	41	742322	51.885	ug/l	98
15) Acrylonitrile	4.11	53	710034	270.235	ug/l	99
16) Acetone	3.18	43	555322	291.770	ug/l	100
17) Carbon Disulfide	3.34	76	1096539	45.434	ug/l	98
18) Methyl Acetate	3.58	43	244972	60.364	ug/l	100
19) Methyl tert-butyl Ether	4.15	73	1194179	53.336	ug/l	99
20) Methylene Chloride	3.75	84	898680	53.228	ug/l	98
21) trans-1,2-Dichloroethene	4.12	96	874169	52.654	ug/l	100
22) Diisopropyl ether	4.88	45	2948089	55.155	ug/l	97
23) Vinyl Acetate	4.83	43	7289422	274.075	ug/l	100
24) 1,1-Dichloroethane	4.78	63	1481898	54.065	ug/l	99
25) 2-Butanone	5.64	43	1101309	278.383	ug/l	100
26) 2,2-Dichloropropane	5.61	77	1210568	56.808	ug/l	98
27) cis-1,2-Dichloroethene	5.62	96	950026	54.928	ug/l	99
28) Bromochloromethane	5.94	49	579705	47.933	ug/l	96
29) Tetrahydrofuran	5.97	42	545457	261.514	ug/l	98
30) Chloroform	6.12	83	1545380	56.397	ug/l	99
31) Cyclohexane	6.39	56	1264669	48.274	ug/l	96
32) 1,1,1-Trichloroethane	6.31	97	1276662	55.311	ug/l	99
36) 1,1-Dichloropropene	6.54	75	1154358	55.852	ug/l	99
37) Ethyl Acetate	5.72	43	522282	54.915	ug/l	97
38) Carbon Tetrachloride	6.51	117	1068152	55.713	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	1257963	52.919	ug/l	100
40) Benzene	6.81	78	2945886	55.838	ug/l	99
41) Methacrylonitrile	5.95	41	600947	55.206	ug/l #	91
42) 1,2-Dichloroethane	6.91	62	768247	55.633	ug/l	96
43) Isopropyl Acetate	8.36	43	659055	55.167	ug/l #	99
44) Trichloroethene	7.75	130	905793	56.637	ug/l	98
45) 1,2-Dichloropropane	8.12	63	764082	57.425	ug/l	98
46) Dibromomethane	8.23	93	439380	56.382	ug/l	98
47) Bromodichloromethane	8.50	83	1060206	57.734	ug/l	98
48) Methyl methacrylate	8.26	41	409995	56.499	ug/l	96
49) 1,4-Dioxane	8.25	88	72845	1160.202	ug/l	90
51) 4-Methyl-2-Pentanone	9.36	43	2135985	274.704	ug/l	98
52) Toluene	9.56	92	1862743	55.273	ug/l	100
53) t-1,3-Dichloropropene	9.93	75	878655	56.629	ug/l	99
54) cis-1,3-Dichloropropene	9.11	75	1145413	57.556	ug/l	98
55) 1,1,2-Trichloroethane	10.19	97	516781	52.907	ug/l	97
56) Ethyl methacrylate	10.04	69	519116	57.802	ug/l	97
57) 1,3-Dichloropropane	10.39	76	850936	57.172	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.93	63	1322915	243.616	ug/l	99
59) 2-Hexanone	10.50	43	1656812	298.958	ug/l	99
60) Dibromochloromethane	10.65	129	704518	59.335	ug/l	100
61) 1,2-Dibromoethane	10.76	107	555532	56.764	ug/l	99
64) Tetrachloroethene	10.26	164	809937	54.851	ug/l	97
65) Chlorobenzene	11.32	112	2041299	56.959	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	671565	57.272	ug/l	98
67) Ethyl Benzene	11.43	91	3403025	55.509	ug/l	100
68) m/p-Xylenes	11.57	106	2433978	107.628	ug/l	98
69) o-Xylene	11.94	106	1155207	52.875	ug/l	99
70) Styrene	11.97	104	1945501	55.100	ug/l	99
71) Bromoform	12.12	173	469011	59.523	ug/l	100
73) Isopropylbenzene	12.28	105	3350648	53.954	ug/l	100
74) N-amyl acetate	12.14	43	853310	53.595	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.57	83	555549	54.700	ug/l	100
76) 1,2,3-Trichloropropane	12.60	75	558066	54.732	ug/l	99
77) Bromobenzene	12.55	156	892668	54.115	ug/l	96
78) n-propylbenzene	12.64	91	4139930	53.408	ug/l	100
79) 2-Chlorotoluene	12.71	91	2308114	54.367	ug/l	100
80) 1,3,5-Trimethylbenzene	12.80	105	2548840	52.812	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.35	75	166881	57.488	ug/l	99
82) 4-Chlorotoluene	12.81	91	2477044	51.941	ug/l	97
83) tert-Butylbenzene	13.05	119	2941957	54.906	ug/l	92
84) 1,2,4-Trimethylbenzene	13.10	105	2602952	54.003	ug/l	100
85) sec-Butylbenzene	13.22	105	3623570	55.121	ug/l	98
86) p-Isopropyltoluene	13.34	119	2868878	54.192	ug/l	95
87) 1,3-Dichlorobenzene	13.31	146	1595501	54.364	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	1520063	53.033	ug/l	94
89) n-Butylbenzene	13.65	91	2832733	56.232	ug/l	97
90) Hexachloroethane	13.86	117	752196	59.921	ug/l	89
91) 1,2-Dichlorobenzene	13.67	146	1254638	52.046	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	65808	53.677	ug/l	67

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Quant Title : SW846 8260
QLast Update : Mon Nov 19 16:31:59 2018
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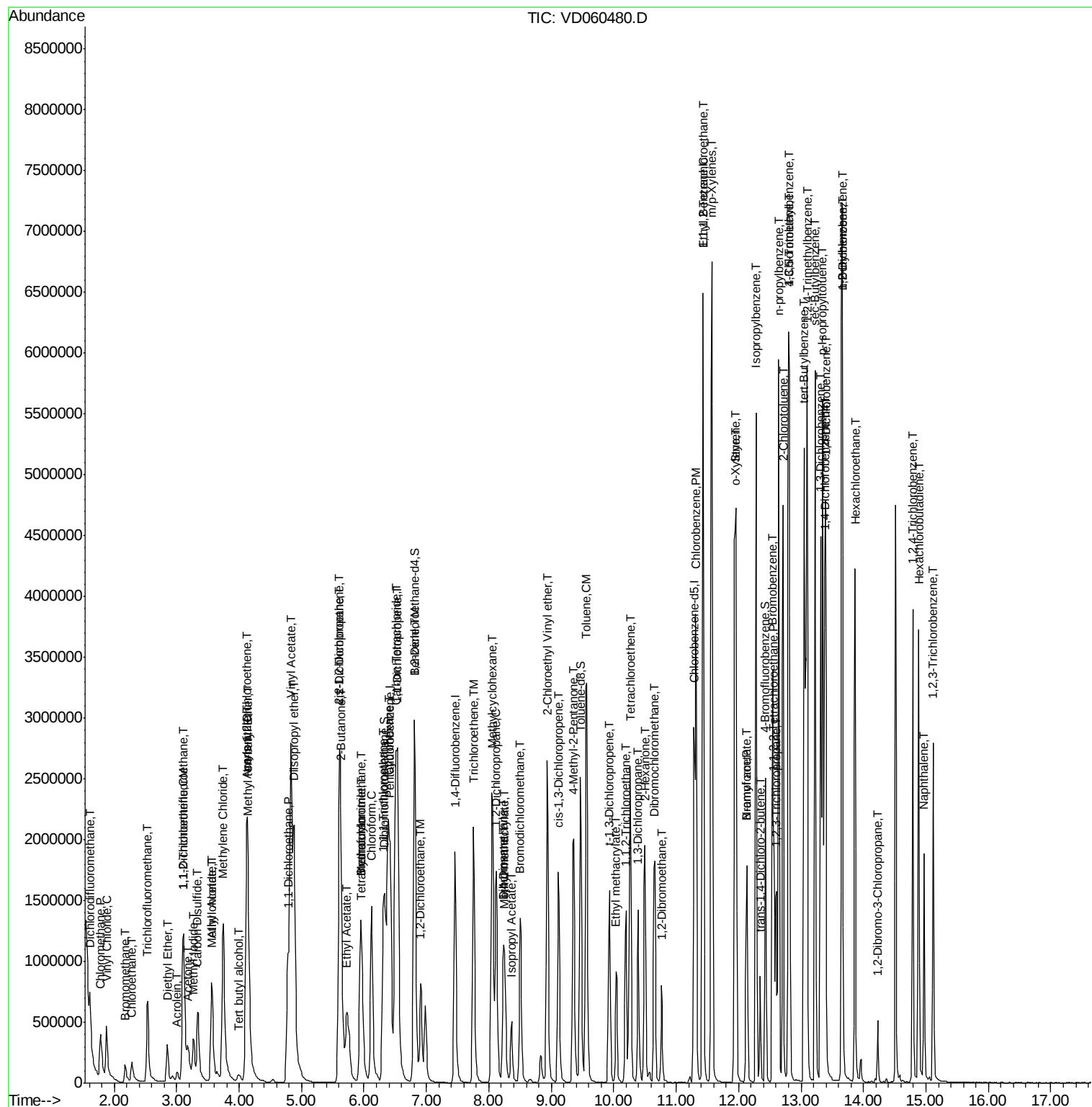
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1060599	55.491	ug/l	98
94) Hexachlorobutadiene	14.89	225	772615	54.045	ug/l	99
95) Naphthalene	14.98	128	1272978	54.545	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	830273	54.211	ug/l	97

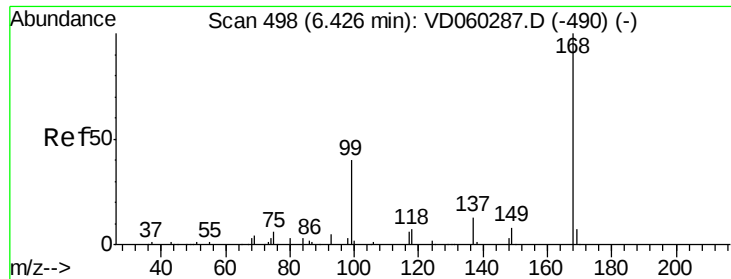
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120418\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

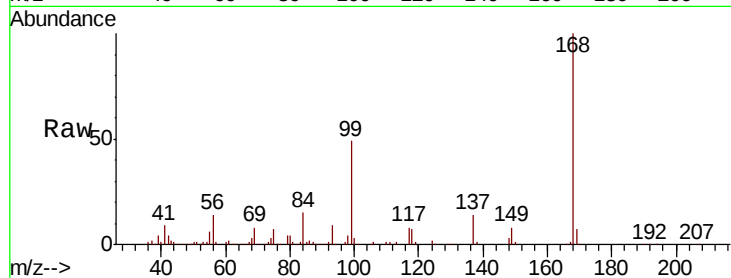
VSTDCCC050

Tot Ion:168 Resp: 1532427

Ion Ratio Lower Upper

168 100

99 48.7 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

600000

500000

400000

300000

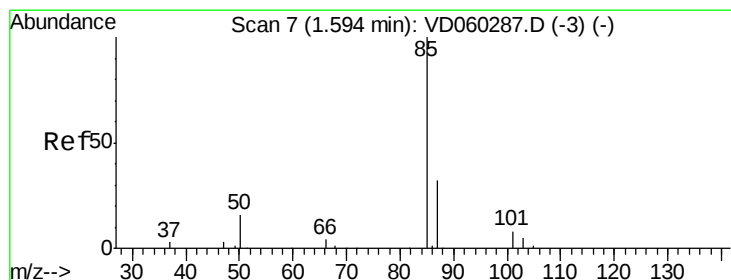
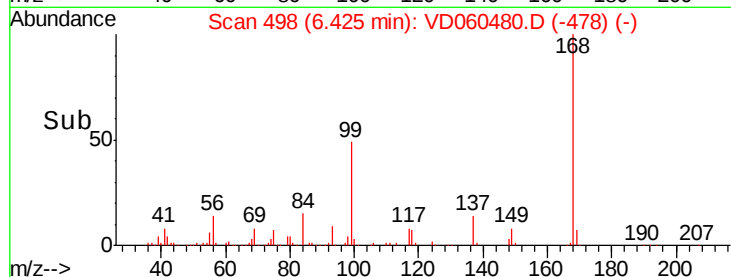
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 49.340 ug/l

RT: 1.61 min Scan# 9

Delta R.T. 0.02 min

Lab File: VD060480.D

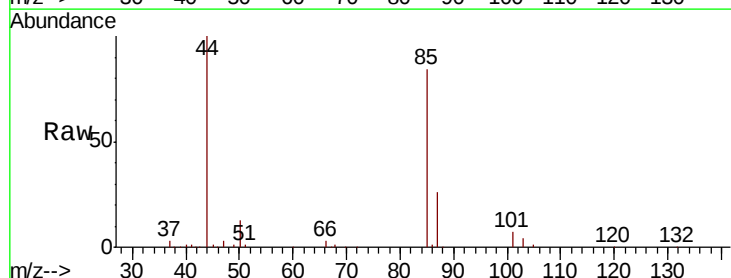
Acq: 4 Dec 2018 10:30

Tgt Ion: 85 Resp: 593794

Ion Ratio Lower Upper

85 100

87 31.2 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

250000

200000

150000

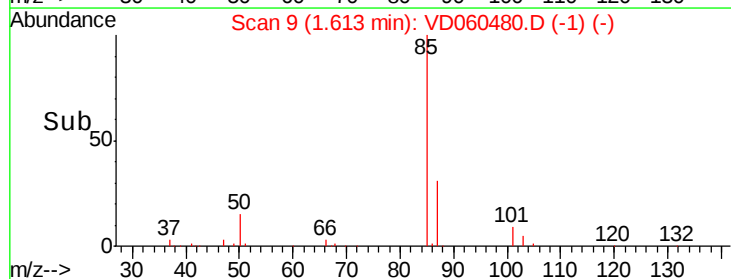
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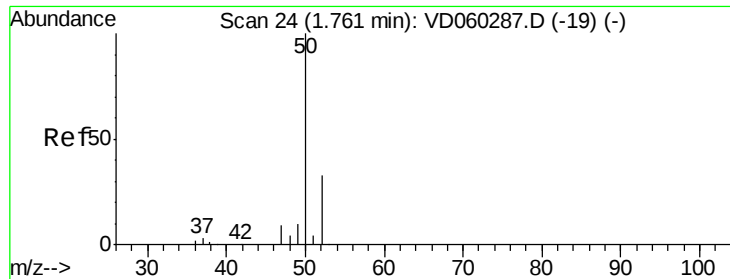
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 43.651 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.02 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

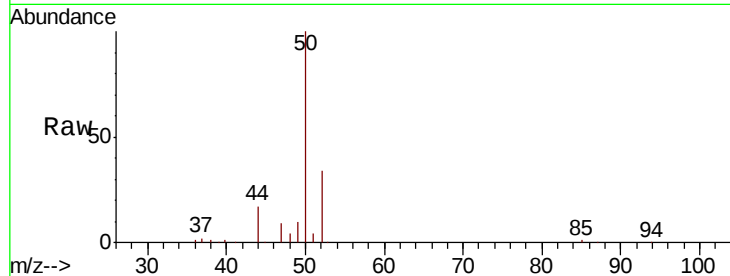
VSTDCCC050

Tot Ion: 50 Resp: 633616

Ion Ratio Lower Upper

50 100

52 33.9 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

250000

200000

150000

100000

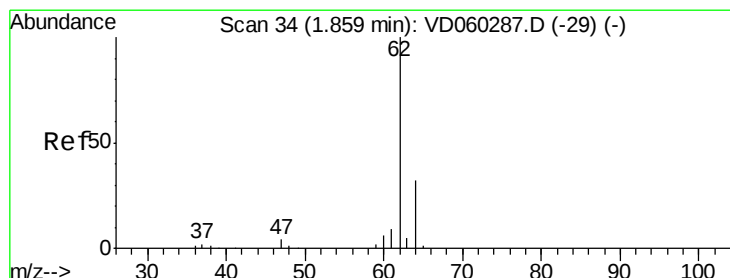
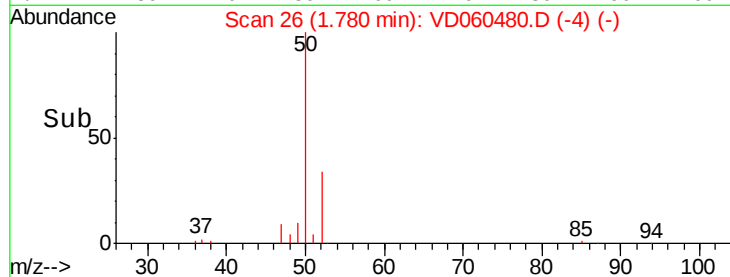
50000

0

1.78

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 48.610 ug/l

RT: 1.88 min Scan# 36

Delta R.T. 0.02 min

Lab File: VD060480.D

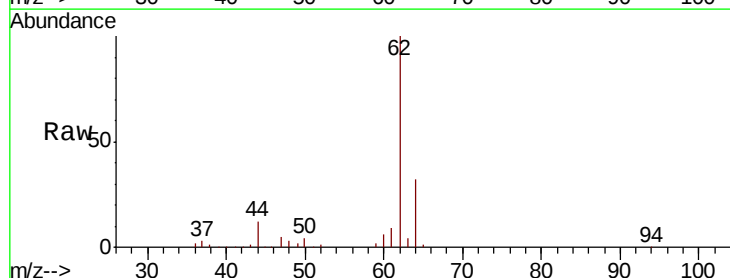
Acq: 4 Dec 2018 10:30

Tgt Ion: 62 Resp: 576243

Ion Ratio Lower Upper

62 100

64 31.9 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

250000

200000

150000

100000

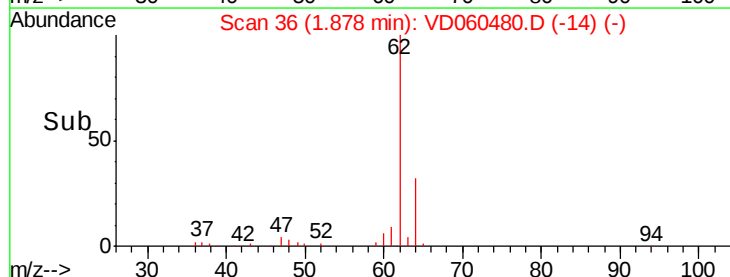
50000

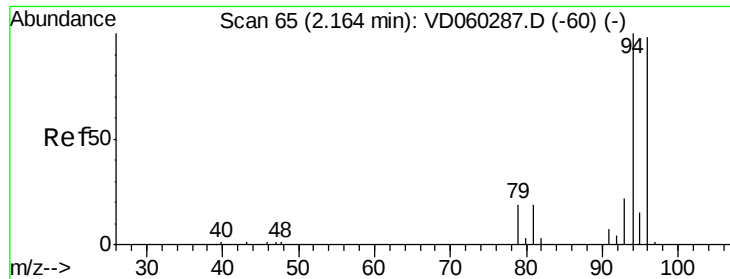
0

1.88

1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 48.304 ug/l

RT: 2.17 min Scan# 66

Delta R.T. 0.01 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

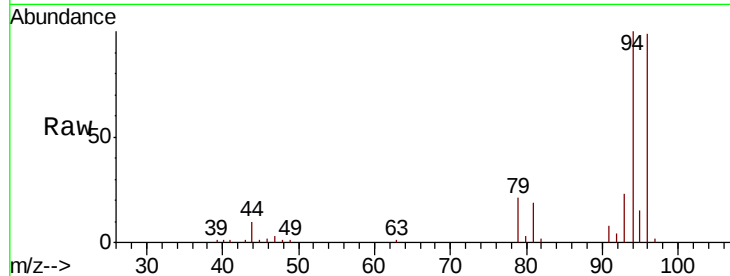
VSTDCCC050

Tot Ion: 94 Resp: 135853

Ion Ratio Lower Upper

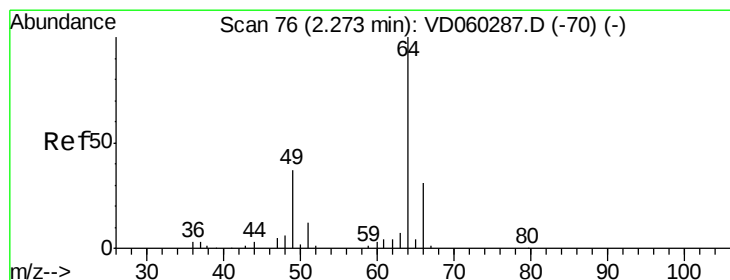
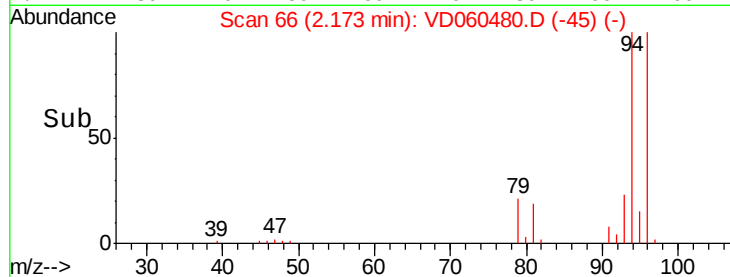
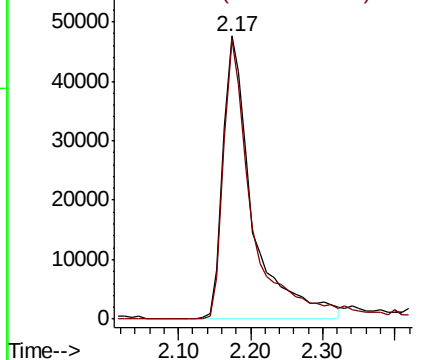
94 100

96 98.8 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 47.212 ug/l

RT: 2.28 min Scan# 77

Delta R.T. 0.01 min

Lab File: VD060480.D

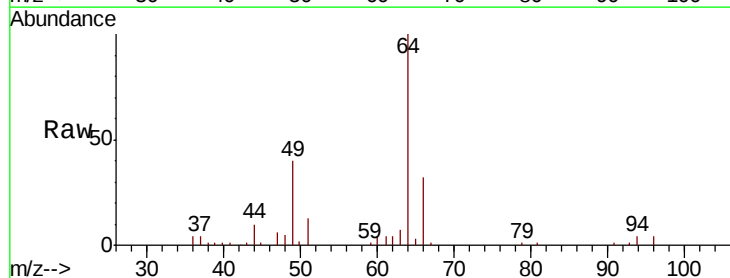
Acq: 4 Dec 2018 10:30

Tgt Ion: 64 Resp: 185702

Ion Ratio Lower Upper

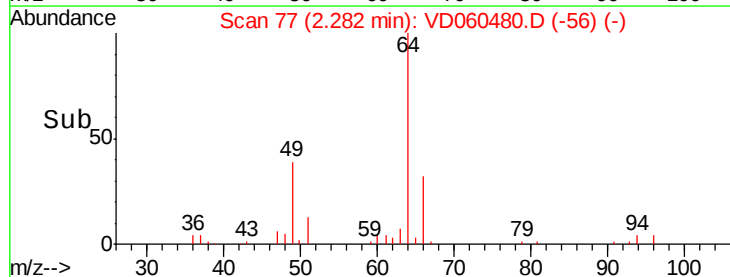
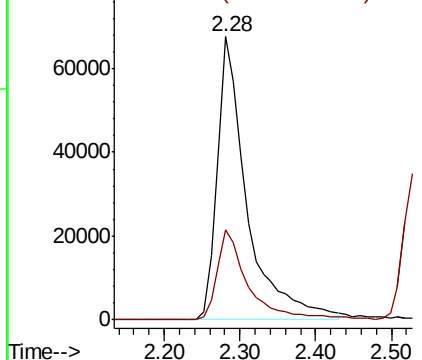
64 100

66 31.7 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



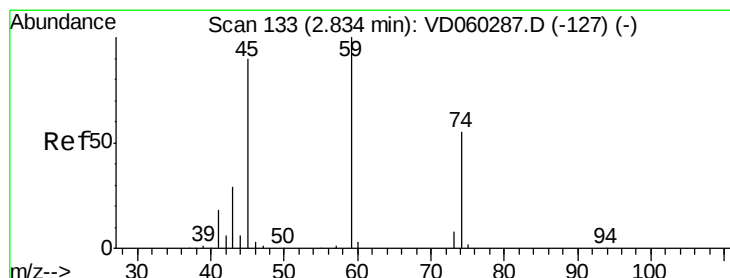
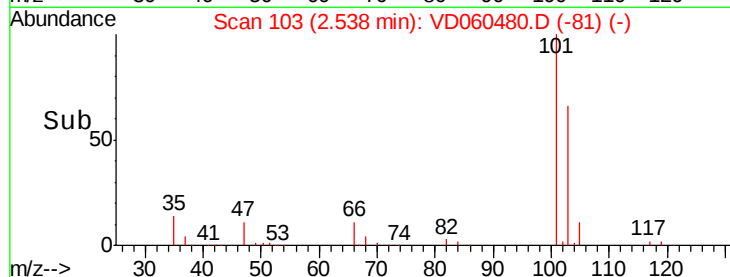
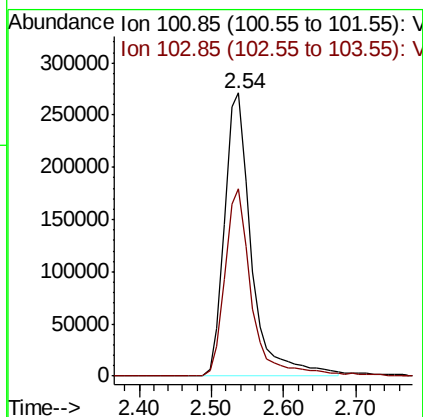
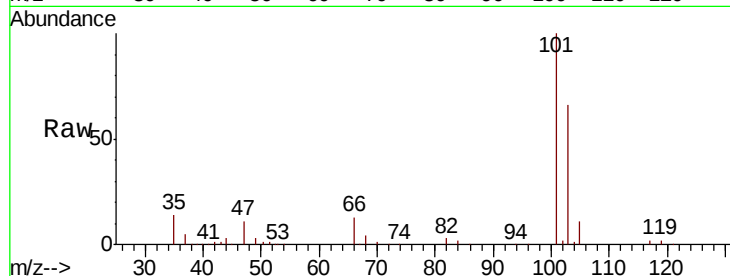


#7

Trichlorofluoromethane
Concen: 50.147 ug/l
RT: 2.54 min Scan# 103
Delta R.T. 0.02 min
Lab File: VD060480.D
Acq: 4 Dec 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

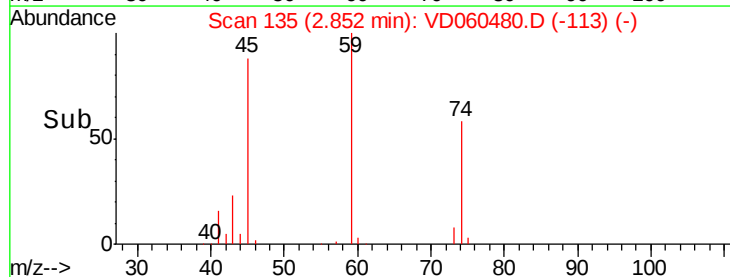
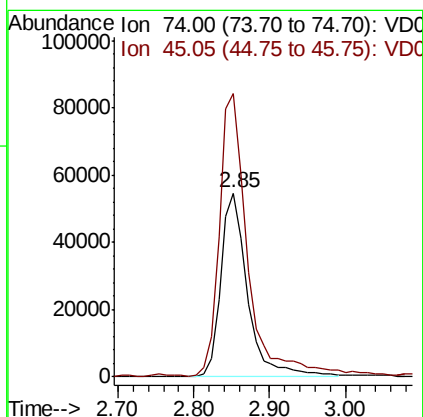
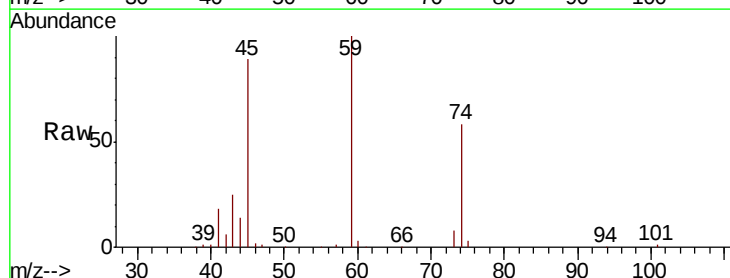
Tot Ion:101 Resp: 700865
Ion Ratio Lower Upper
101 100
103 66.0 53.6 80.4



#8

Diethyl Ether
Concen: 53.227 ug/l
RT: 2.85 min Scan# 135
Delta R.T. 0.02 min
Lab File: VD060480.D
Acq: 4 Dec 2018 10:30

Tgt Ion: 74 Resp: 134685
Ion Ratio Lower Upper
74 100
45 154.1 84.8 254.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.750 ug/l

RT: 3.12 min Scan# 162

Delta R.T. 0.02 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

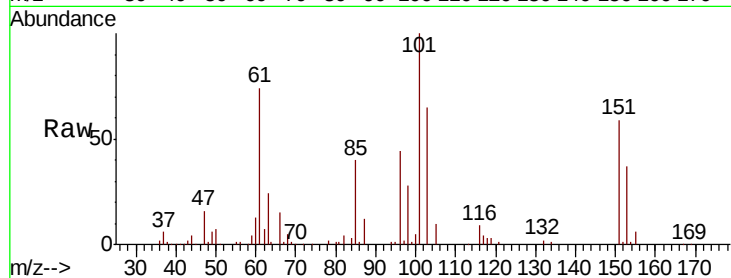
Tot Ion:101 Resp: 494097

Ion Ratio Lower Upper

101 100

85 40.4 31.4 47.0

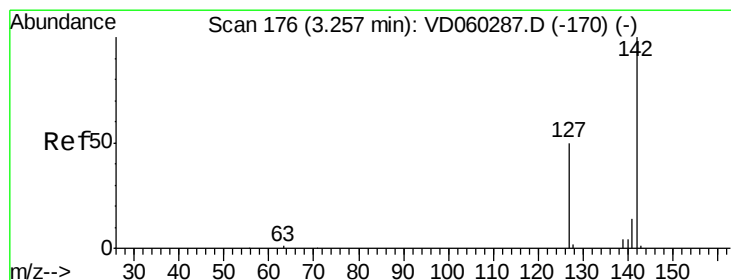
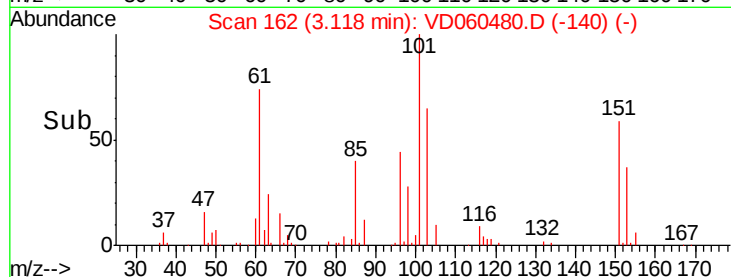
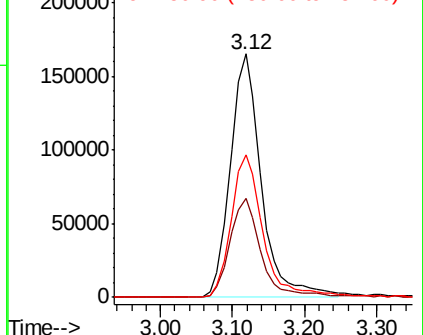
151 58.7 47.4 71.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 46.752 ug/l

RT: 3.28 min Scan# 178

Delta R.T. 0.02 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

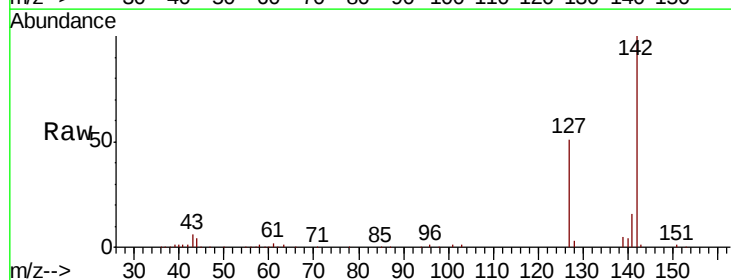
Tgt Ion:142 Resp: 558177

Ion Ratio Lower Upper

142 100

127 51.3 41.0 61.6

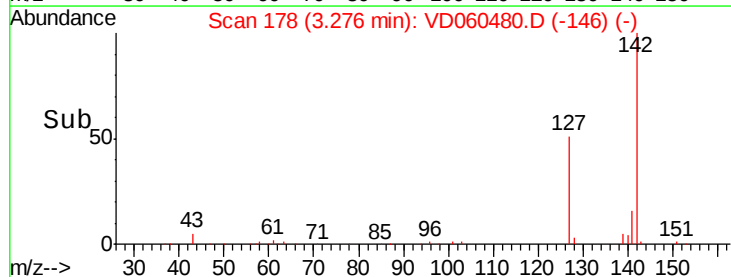
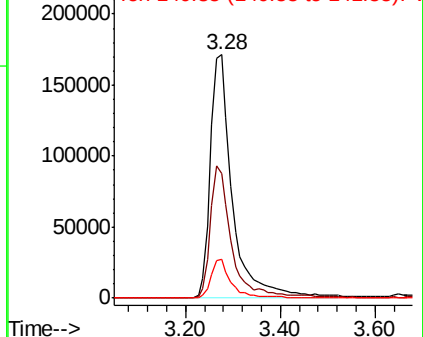
141 15.8 11.9 17.9

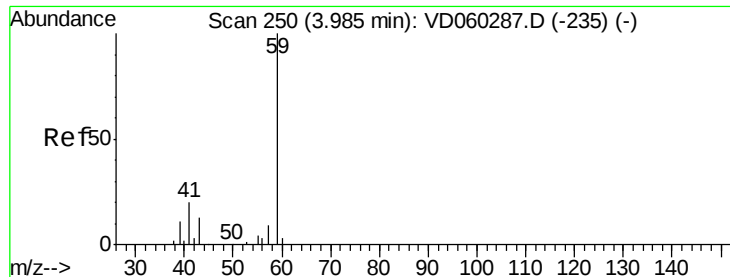


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



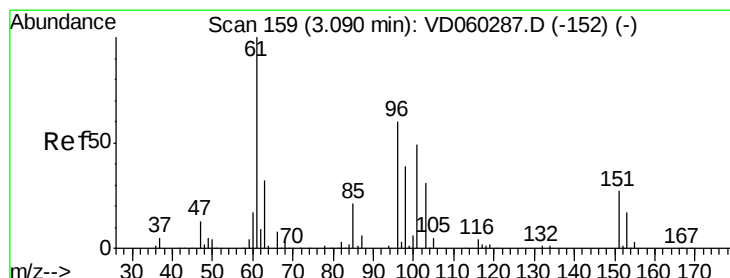
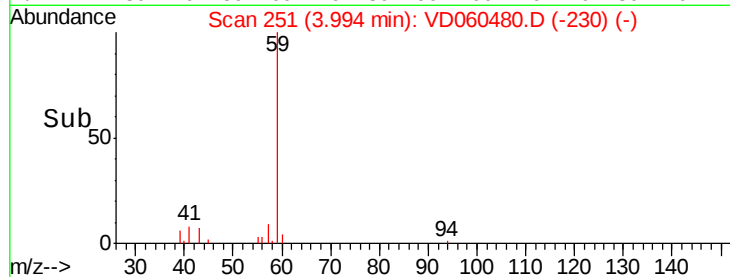
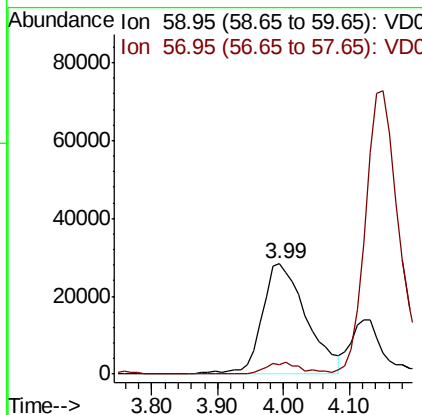
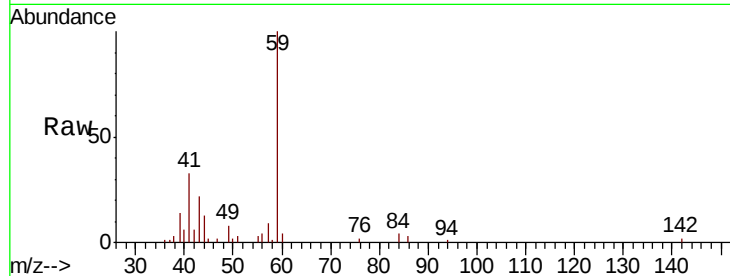


#11

Tert butyl alcohol
 Concen: 294.587 ug/l
 RT: 3.99 min Scan# 251
 Delta R.T. 0.01 min
 Lab File: VD060480.D
 Acq: 4 Dec 2018 10:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

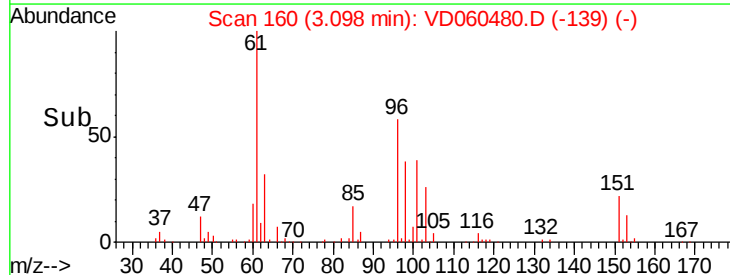
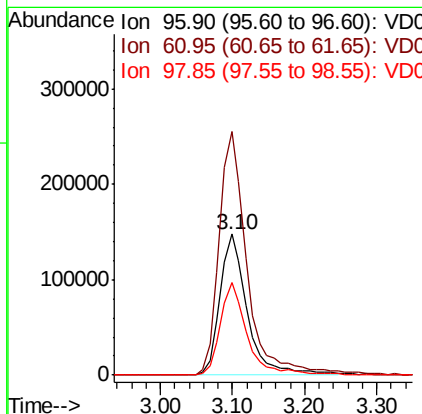
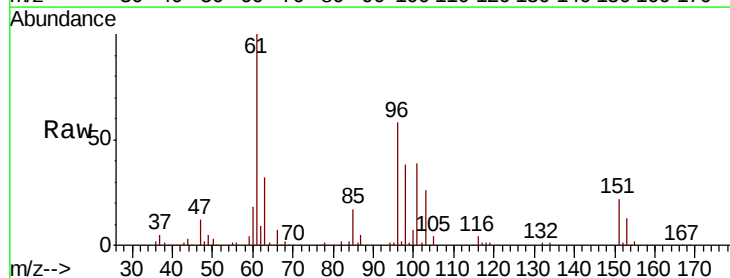
Tot Ion: 59 Resp: 132731
 Ion Ratio Lower Upper
 59 100
 57 8.5 9.3 13.9#

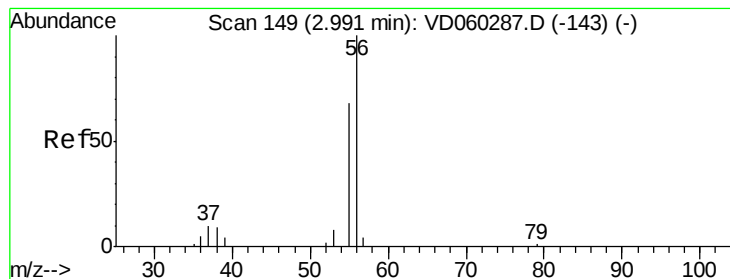


#12

1,1-Dichloroethene
 Concen: 51.830 ug/l
 RT: 3.10 min Scan# 160
 Delta R.T. 0.01 min
 Lab File: VD060480.D
 Acq: 4 Dec 2018 10:30

Tgt Ion: 96 Resp: 387548
 Ion Ratio Lower Upper
 96 100
 61 172.6 142.2 213.4
 98 65.7 52.6 79.0





#13

Acrolein

Concen: 187.245 ug/l

RT: 3.01 min Scan# 151

Delta R.T. 0.02 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

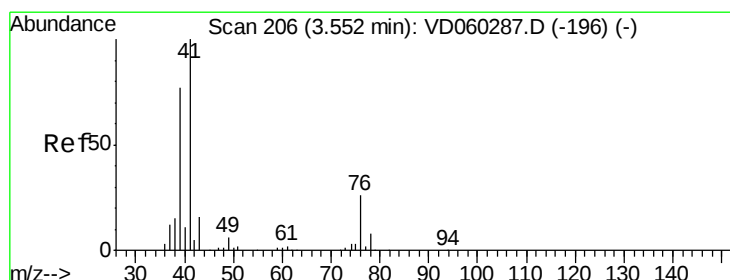
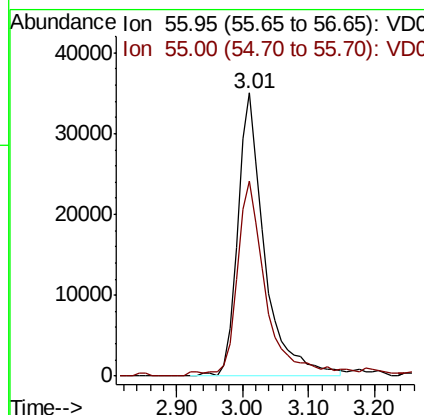
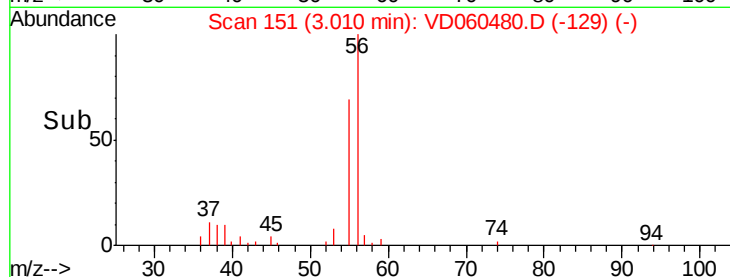
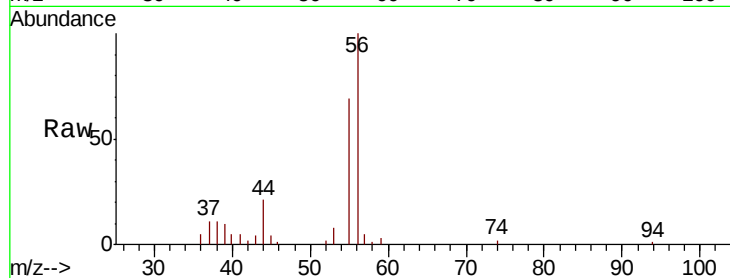
VSTDCCC050

Tot Ion: 56 Resp: 99688

Ion Ratio Lower Upper

56 100

55 68.8 57.0 85.6



#14

Allyl chloride

Concen: 51.885 ug/l

RT: 3.56 min Scan# 207

Delta R.T. 0.01 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

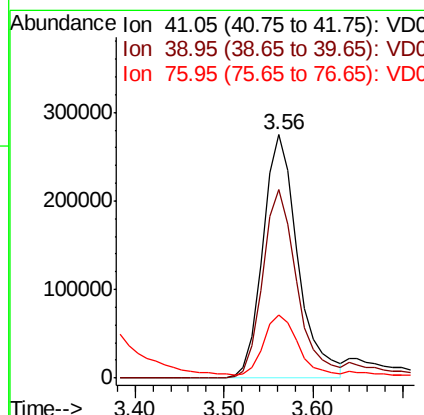
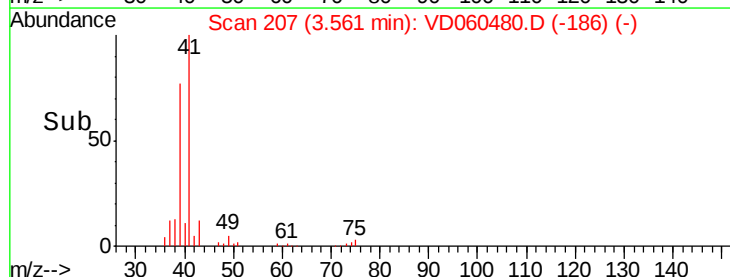
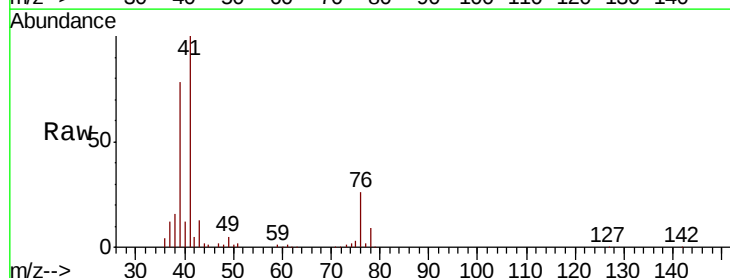
Tgt Ion: 41 Resp: 742322

Ion Ratio Lower Upper

41 100

39 77.6 60.4 90.6

76 26.1 21.8 32.8





#15

Acrylonitrile

Concen: 270.235 ug/l

RT: 4.11 min Scan# 263

Delta R.T. 0.02 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

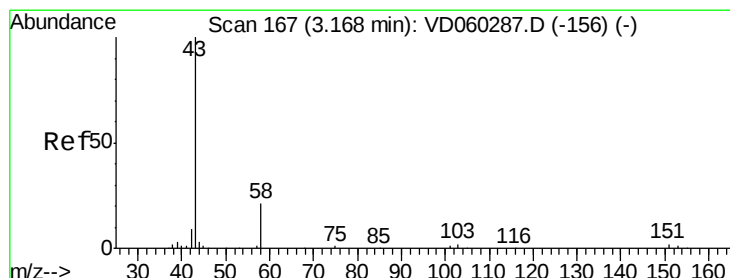
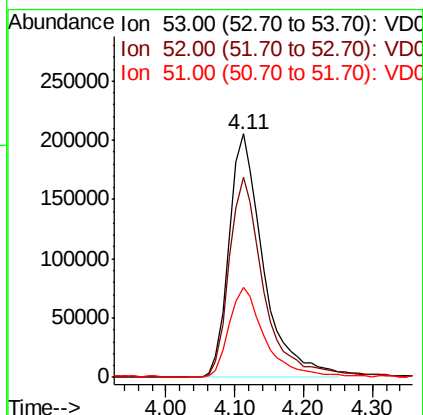
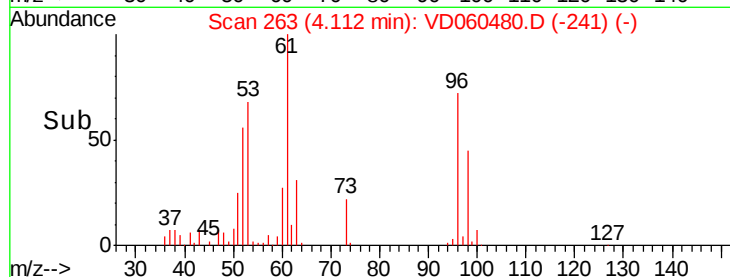
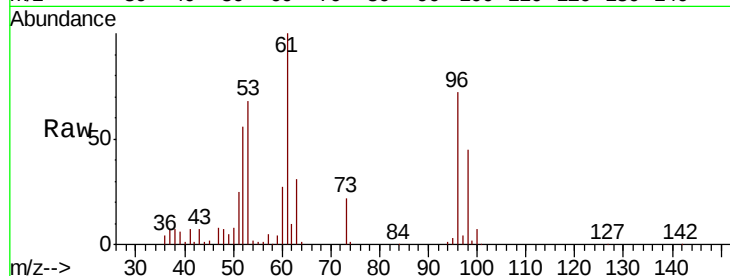
Tot Ion: 53 Resp: 710034

Ion Ratio Lower Upper

53 100

52 82.1 67.0 100.4

51 37.1 29.9 44.9



#16

Acetone

Concen: 291.770 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD060480.D

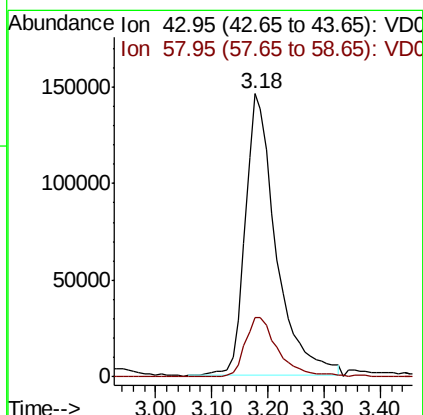
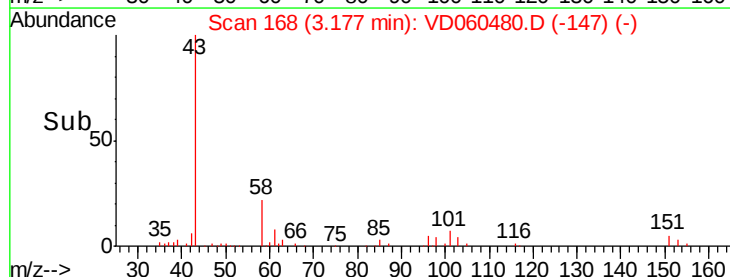
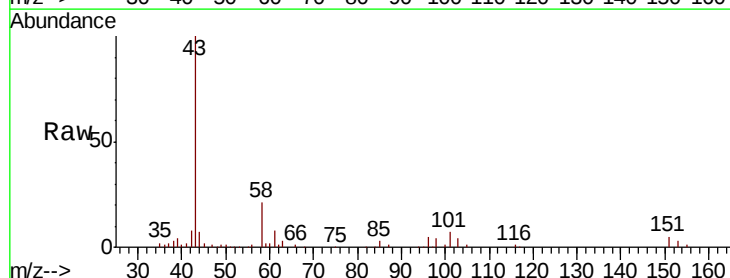
Acq: 4 Dec 2018 10:30

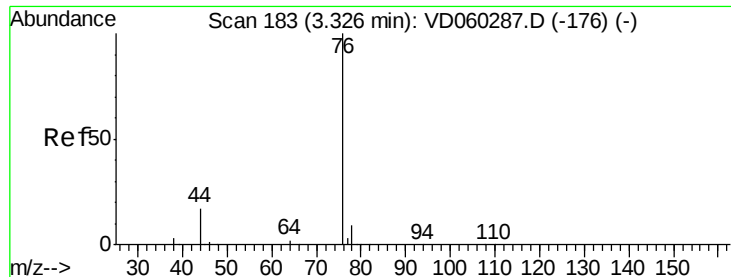
Tgt Ion: 43 Resp: 555322

Ion Ratio Lower Upper

43 100

58 21.2 16.9 25.3

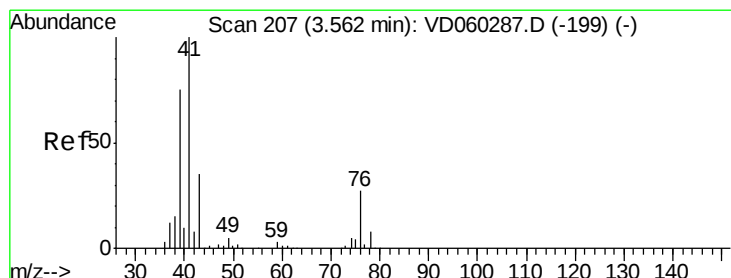
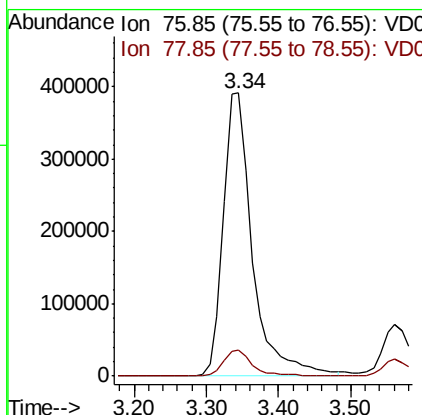
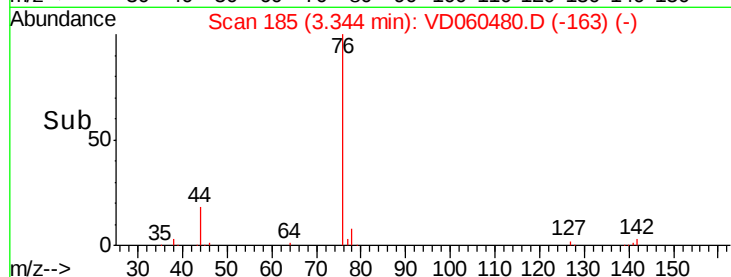
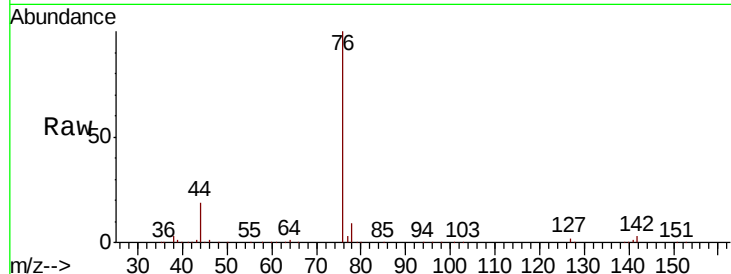




#17
Carbon Disulfide
Concen: 45.434 ug/l
RT: 3.34 min Scan# 185
Delta R.T. 0.02 min
Lab File: VD060480.D
Acq: 4 Dec 2018 10:30

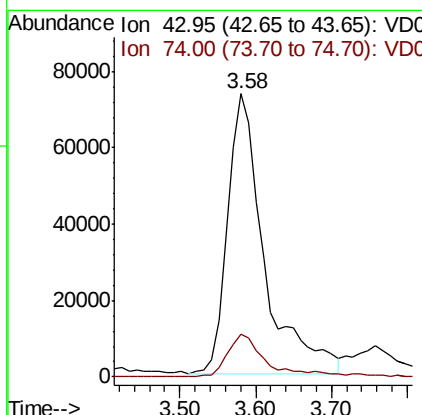
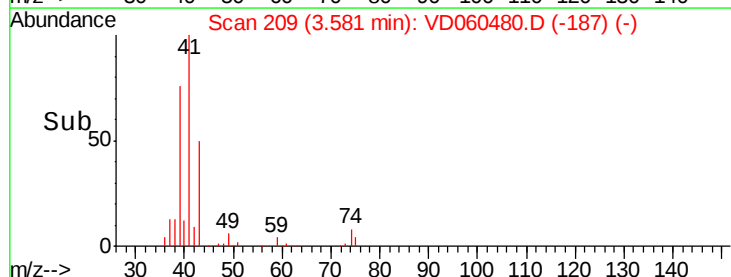
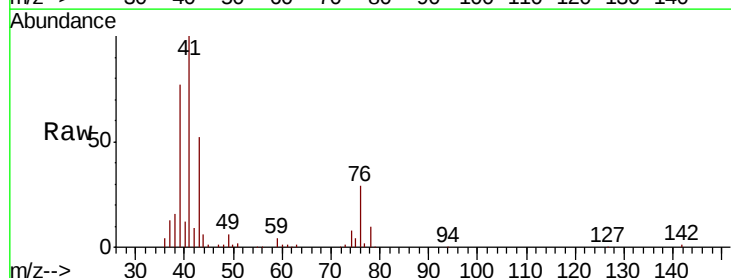
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

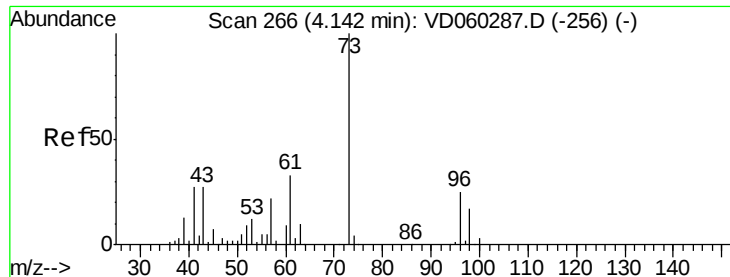
Tot Ion: 76 Resp: 1096539
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.4



#18
Methyl Acetate
Concen: 60.364 ug/l
RT: 3.58 min Scan# 209
Delta R.T. 0.02 min
Lab File: VD060480.D
Acq: 4 Dec 2018 10:30

Tgt Ion: 43 Resp: 244972
Ion Ratio Lower Upper
43 100
74 15.3 12.4 18.6

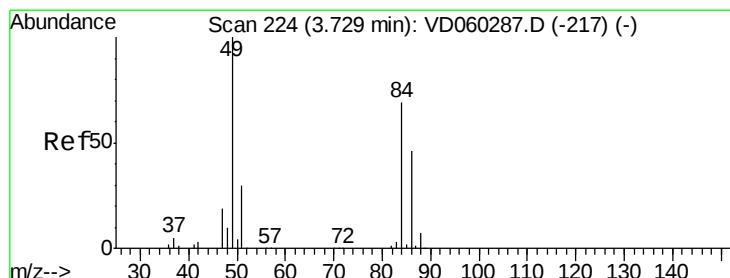
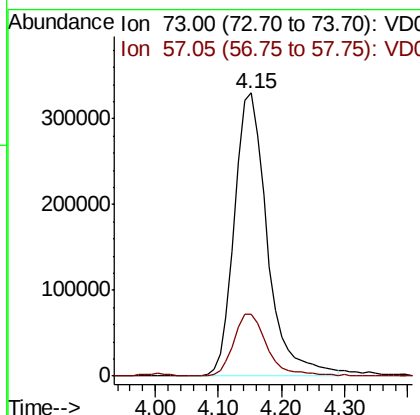
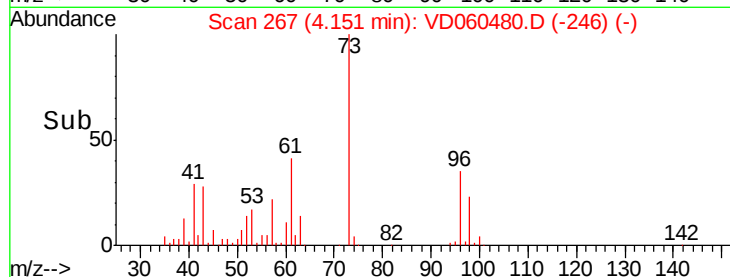
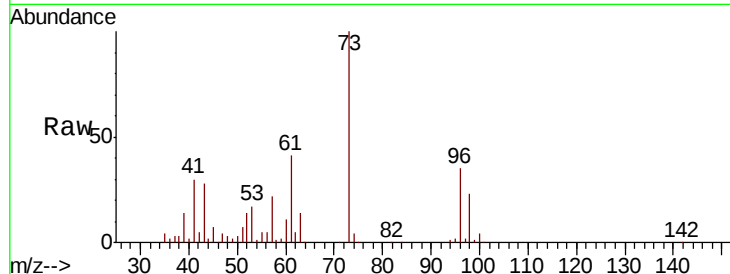




#19
Methyl tert-butyl Ether
Concen: 53.336 ug/l
RT: 4.15 min Scan# 267
Delta R.T. 0.01 min
Lab File: VD060480.D
Acq: 4 Dec 2018 10:30

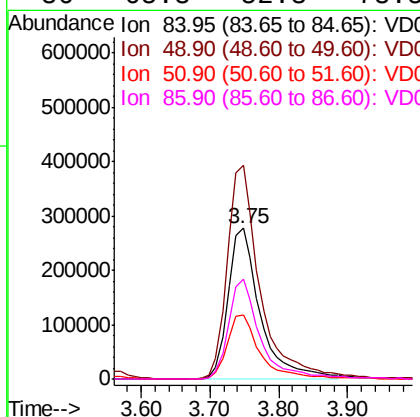
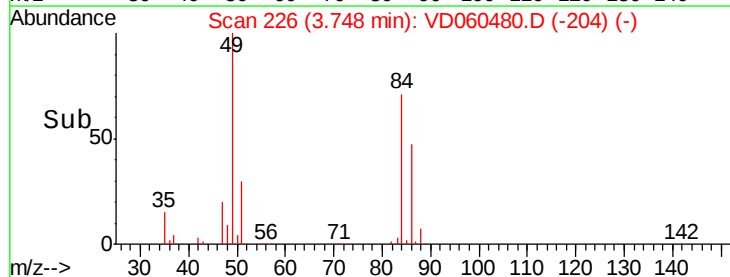
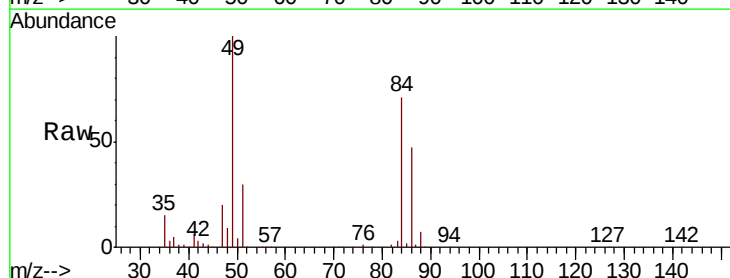
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

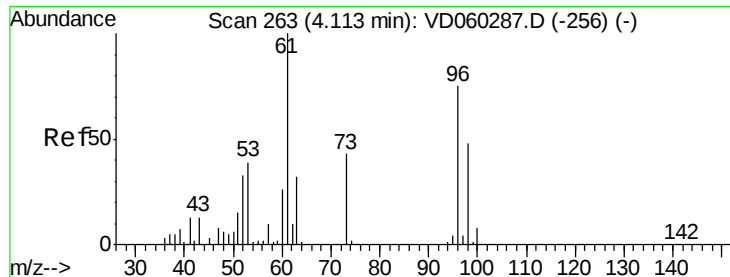
Tot Ion: 73 Resp: 1194179
Ion Ratio Lower Upper
73 100
57 22.0 18.1 27.1



#20
Methylene Chloride
Concen: 53.228 ug/l
RT: 3.75 min Scan# 226
Delta R.T. 0.02 min
Lab File: VD060480.D
Acq: 4 Dec 2018 10:30

Tgt Ion: 84 Resp: 898680
Ion Ratio Lower Upper
84 100
49 141.4 115.6 173.4
51 42.8 35.6 53.4
86 65.8 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 52.654 ug/l

RT: 4.12 min Scan# 264

Delta R.T. 0.01 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

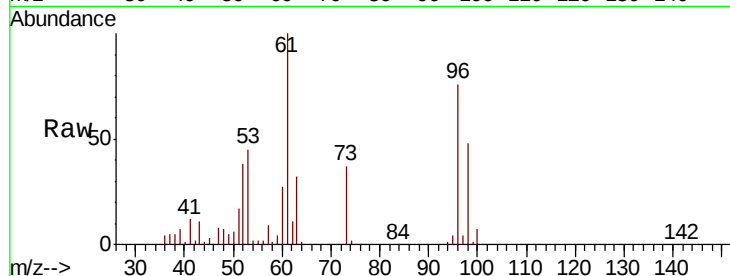
Tot Ion: 96 Resp: 874169

Ion Ratio Lower Upper

96 100

61 131.7 105.8 158.6

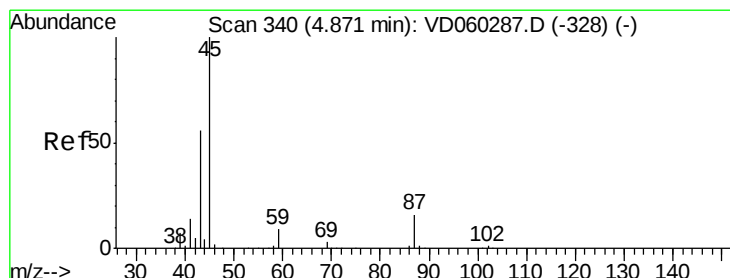
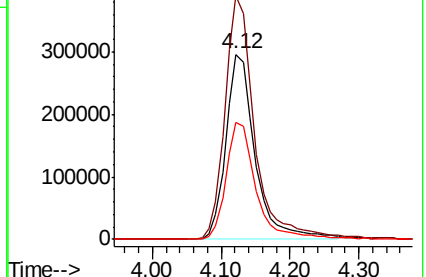
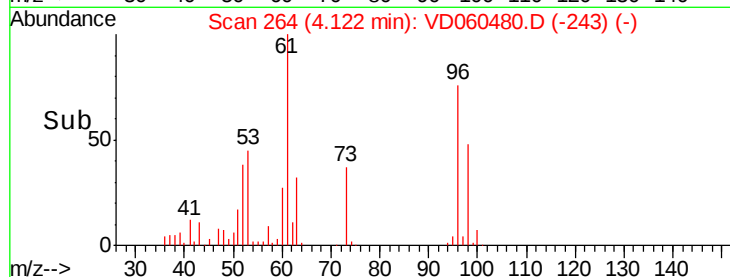
98 63.2 50.8 76.2



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: 55.155 ug/l

RT: 4.88 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

Tgt Ion: 45 Resp: 2948089

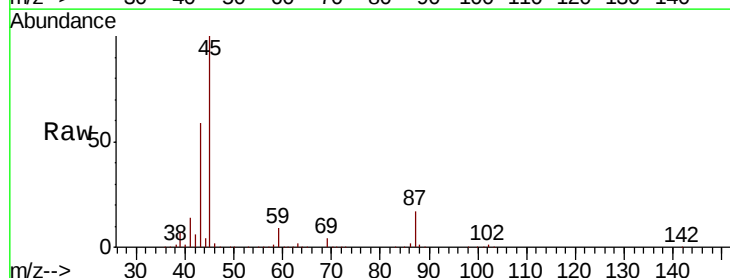
Ion Ratio Lower Upper

45 100

43 58.9 44.9 67.3

87 17.1 13.9 20.9

59 8.8 7.0 10.6

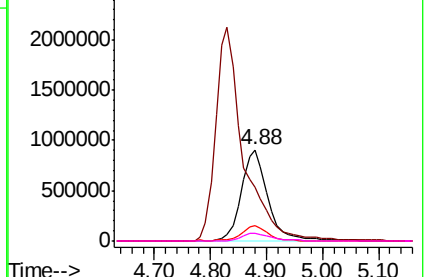
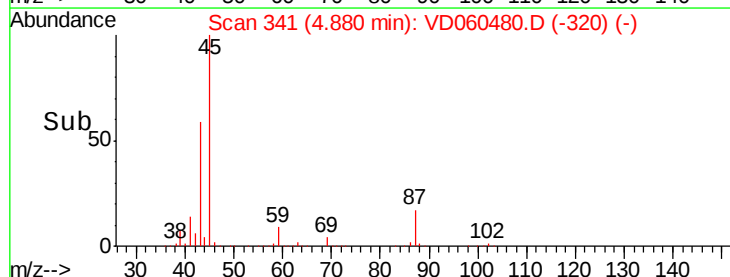


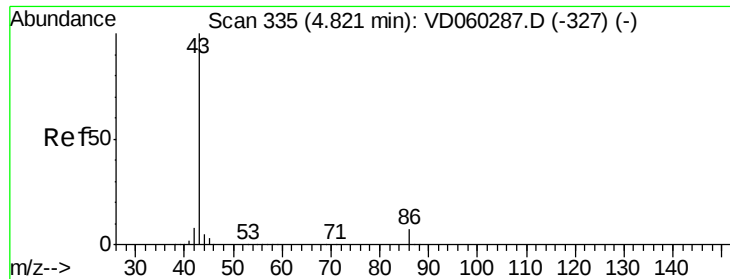
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 274.075 ug/l

RT: 4.83 min Scan# 336

Delta R.T. 0.01 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

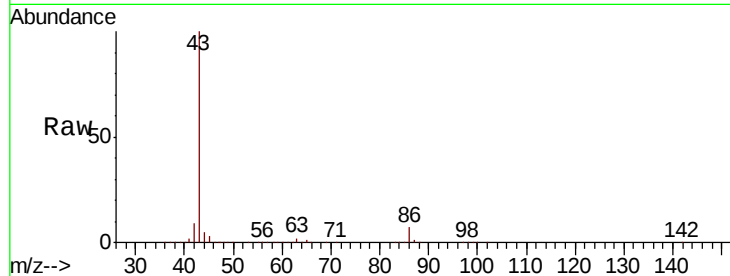
VSTDCCC050

Tot Ion: 43 Resp: 7289422

Ion Ratio Lower Upper

43 100

86 7.1 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VD060480.D (-315) (-)

Ion 86.00 (85.70 to 86.70): VD060480.D (-315) (-)

2500000

2000000

1500000

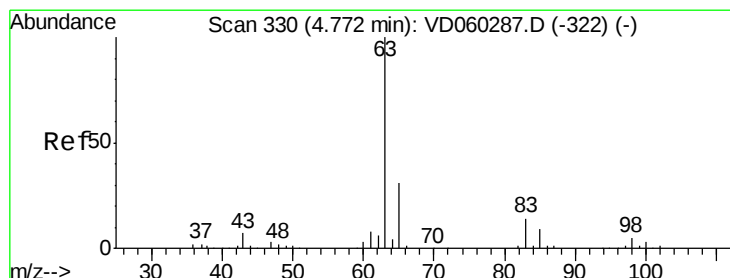
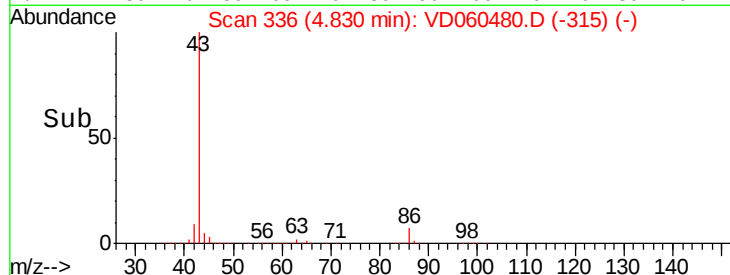
1000000

500000

0

4.70 4.80 4.90 5.00

Time-->



#24

1,1-Dichloroethane

Concen: 54.065 ug/l

RT: 4.78 min Scan# 331

Delta R.T. 0.01 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

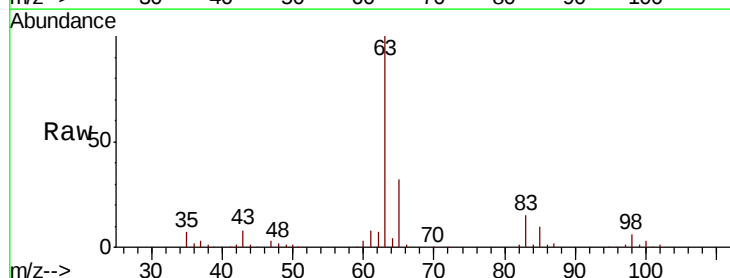
Tgt Ion: 63 Resp: 1481898

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

100 3.4 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VD060480.D (-310) (-)

Ion 97.95 (97.65 to 98.65): VD060480.D (-310) (-)

Ion 99.95 (99.65 to 100.65): VD060480.D (-310) (-)

600000

500000

400000

300000

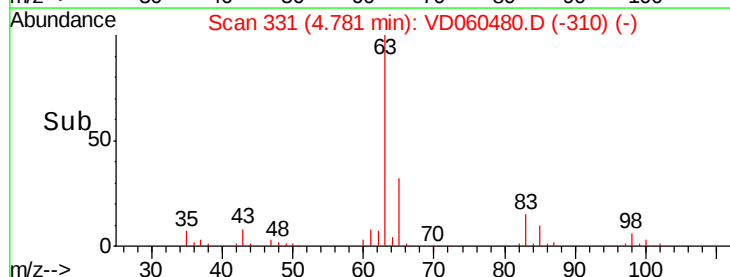
200000

100000

0

4.60 4.70 4.80 4.90 5.00

Time-->





#25

2-Butanone

Concen: 278.383 ug/l

RT: 5.64 min Scan# 418

Delta R.T. -0.00 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

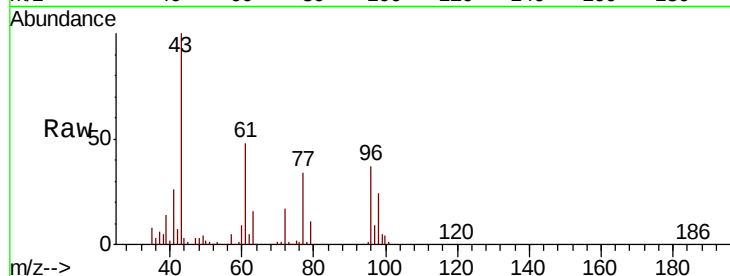
VSTDCCC050

Tot Ion: 43 Resp: 1101309

Ion Ratio Lower Upper

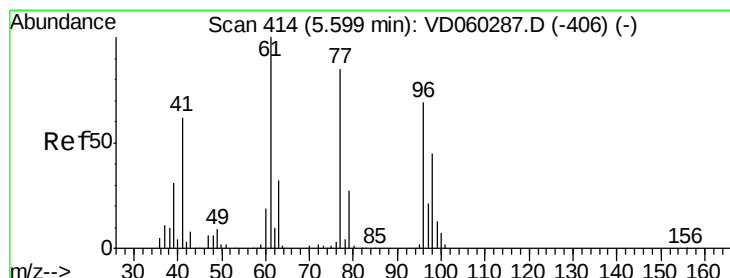
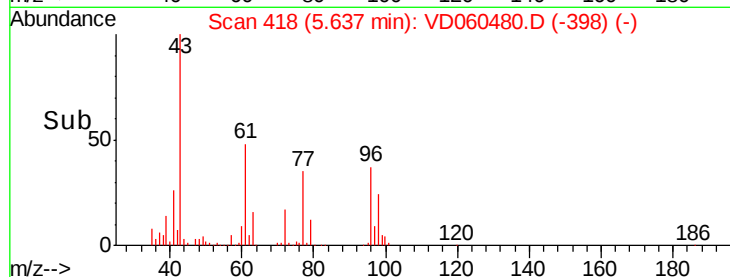
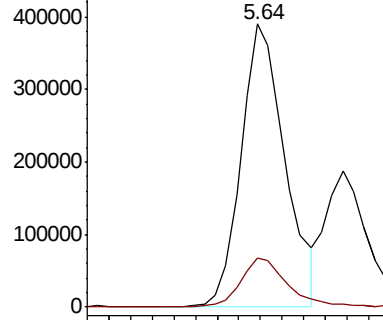
43 100

72 17.2 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 56.808 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.01 min

Lab File: VD060480.D

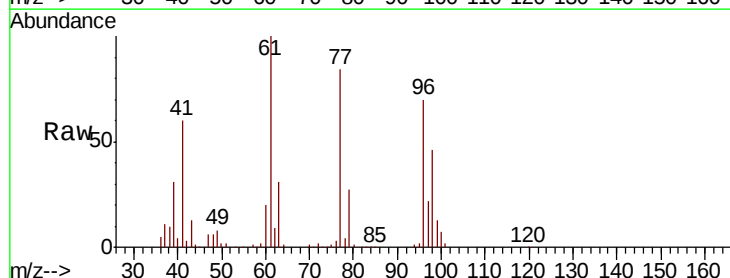
Acq: 4 Dec 2018 10:30

Tgt Ion: 77 Resp: 1210568

Ion Ratio Lower Upper

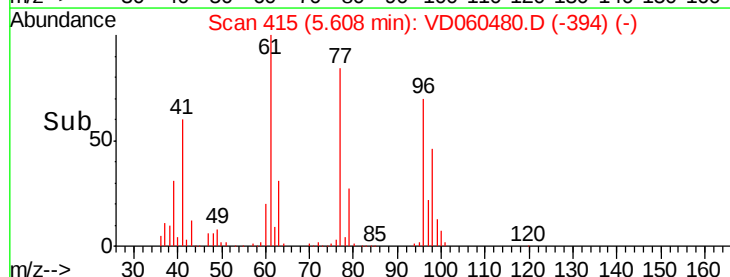
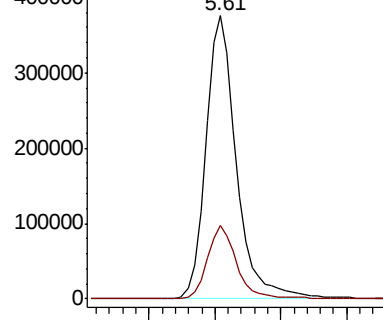
77 100

97 26.2 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



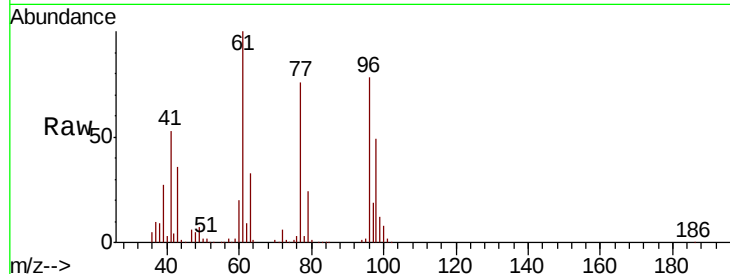


#27

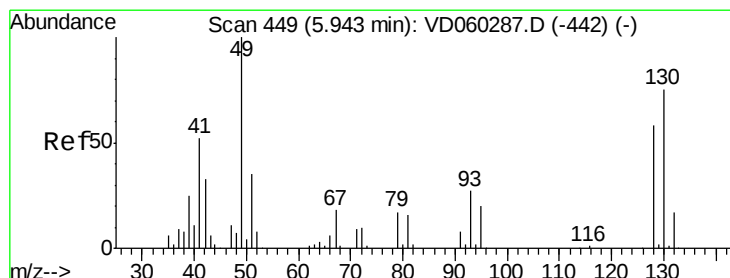
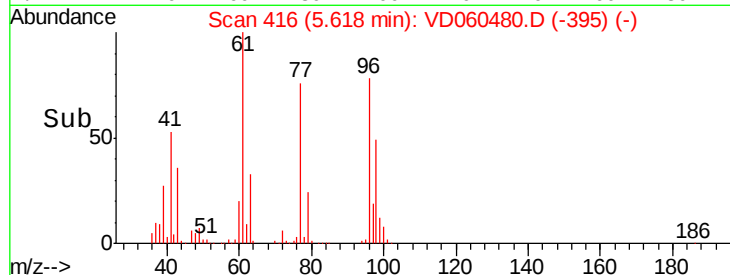
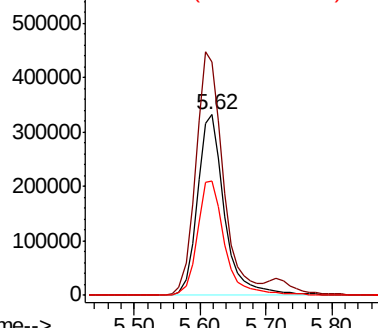
cis-1,2-Dichloroethene
 Concen: 54.928 ug/l
 RT: 5.62 min Scan# 416
 Delta R.T. 0.01 min
 Lab File: VD060480.D
 Acq: 4 Dec 2018 10:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 950026
 Ion Ratio Lower Upper
 96 100
 61 129.0 0.0 259.0
 98 62.9 0.0 128.8



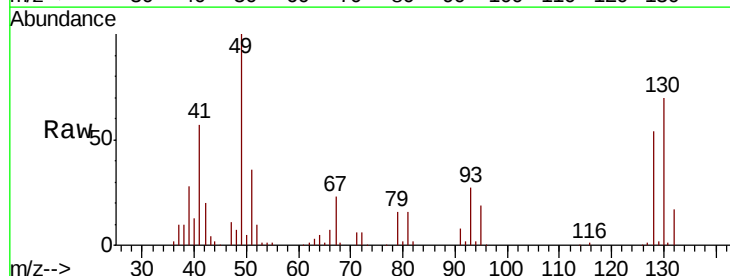
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



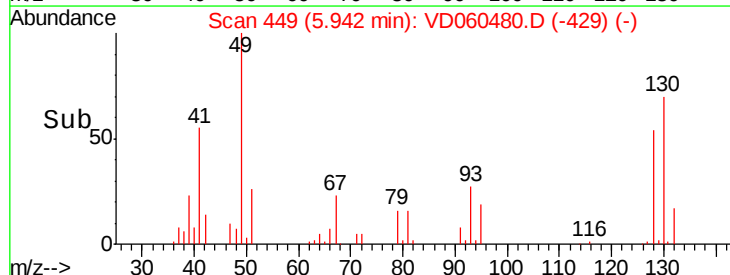
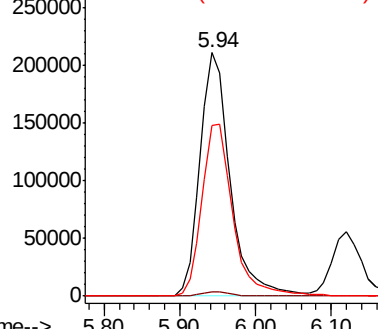
#28

Bromochloromethane
 Concen: 47.933 ug/l
 RT: 5.94 min Scan# 449
 Delta R.T. -0.00 min
 Lab File: VD060480.D
 Acq: 4 Dec 2018 10:30

Tgt Ion: 49 Resp: 579705
 Ion Ratio Lower Upper
 49 100
 129 1.5 0.0 2.8
 130 69.9 53.6 80.4



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





#29

Tetrahydrofuran

Concen: 261.514 ug/l

RT: 5.97 min Scan# 452

Delta R.T. 0.01 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

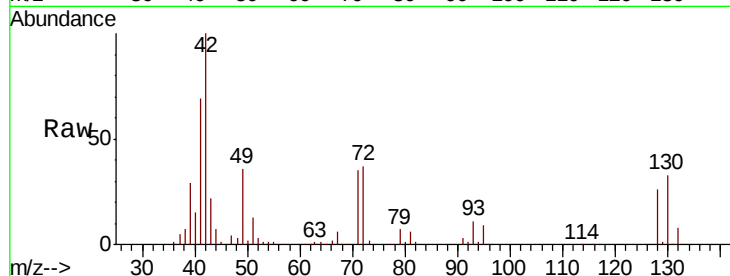
Tot Ion: 42 Resp: 545457

Ion Ratio Lower Upper

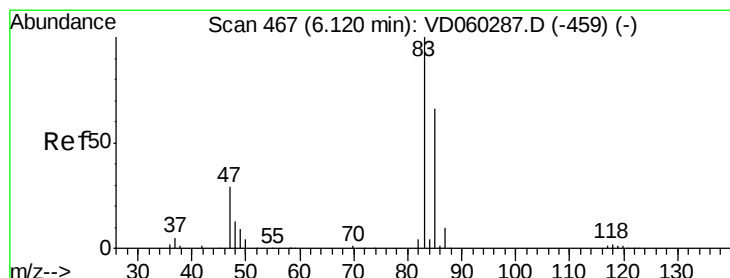
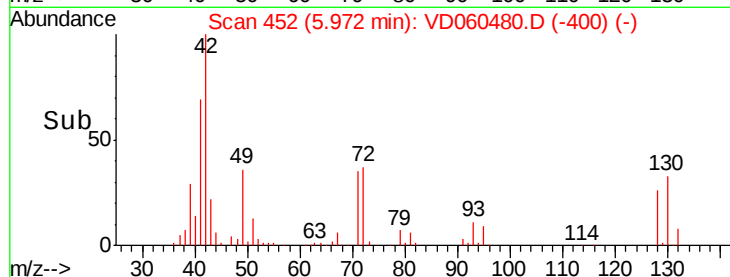
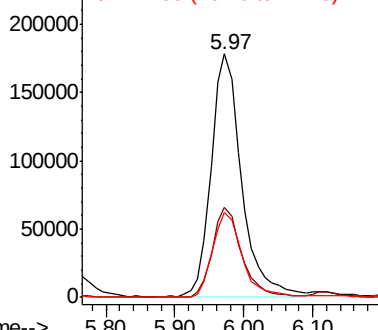
42 100

72 35.9 27.6 41.4

71 34.5 26.5 39.7



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 56.397 ug/l

RT: 6.12 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD060480.D

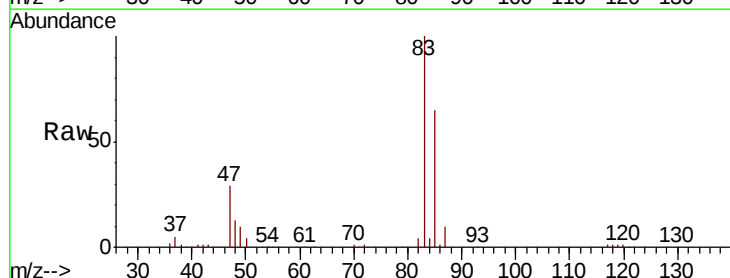
Acq: 4 Dec 2018 10:30

Tgt Ion: 83 Resp: 1545380

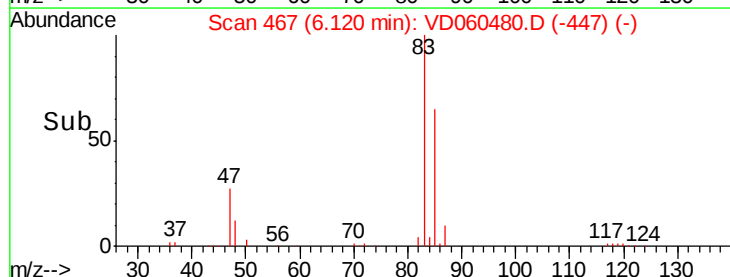
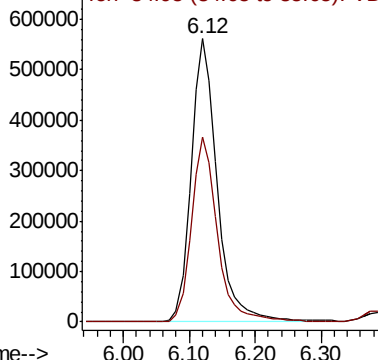
Ion Ratio Lower Upper

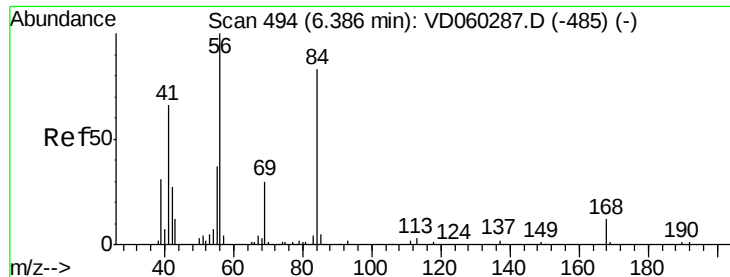
83 100

85 65.1 52.5 78.7



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 48.274 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.00 min

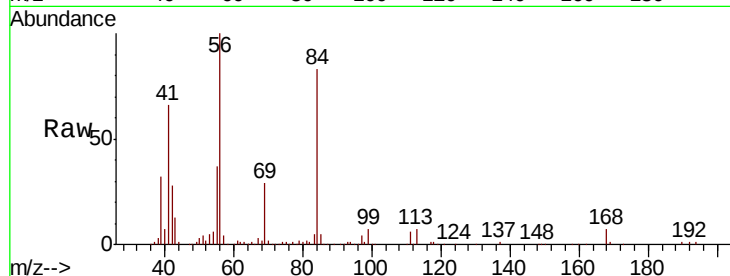
Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 1264669

Ion	Ratio	Lower	Upper
56	100		
69	28.7	22.2	33.2
84	83.0	63.0	94.4

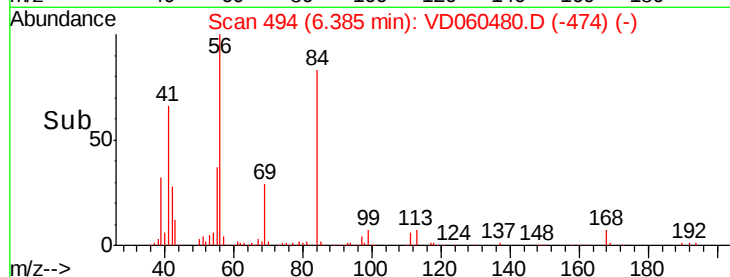


Abundance

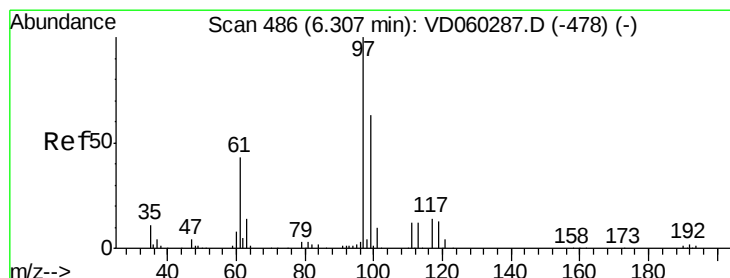
Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



Time-->



#32

1,1,1-Trichloroethane

Concen: 55.311 ug/l

RT: 6.31 min Scan# 486

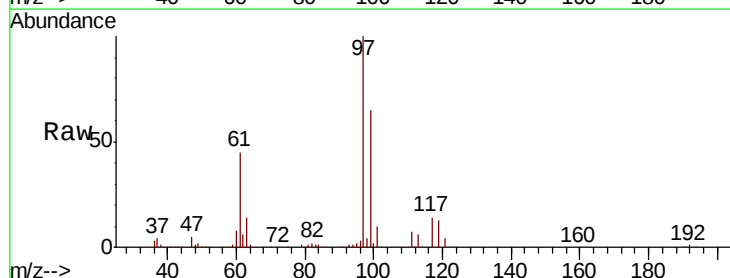
Delta R.T. -0.00 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

Tgt Ion: 97 Resp: 1276662

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.5	77.3
61	45.1	35.8	53.8

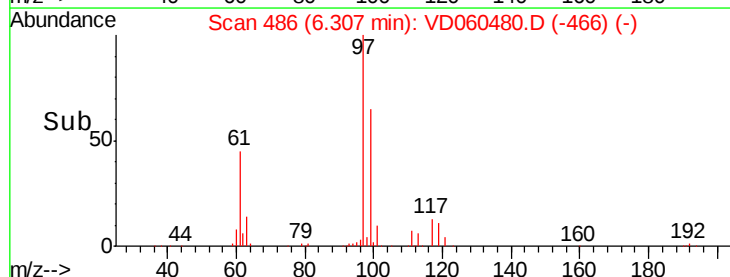


Abundance

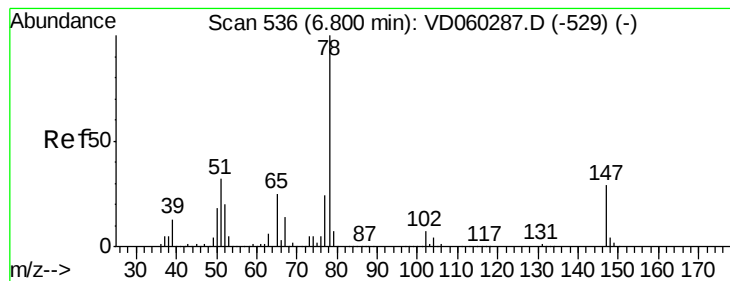
Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC



Time-->



#33

1,2-Dichloroethane-d4

Concen: 55.311 ug/l

RT: 6.80 min Scan# 536

Delta R.T. -0.00 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

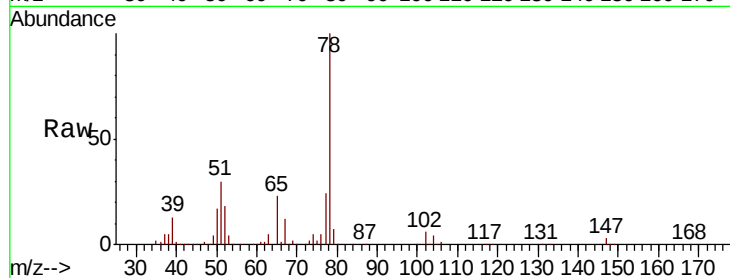
VSTDCCC050

Tot Ion: 65 Resp: 501175

Ion Ratio Lower Upper

65 100

67 51.9 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

200000

150000

100000

50000

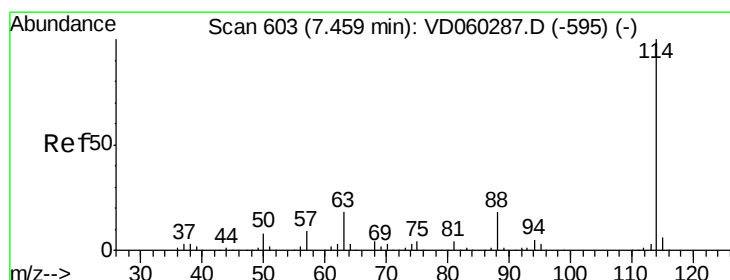
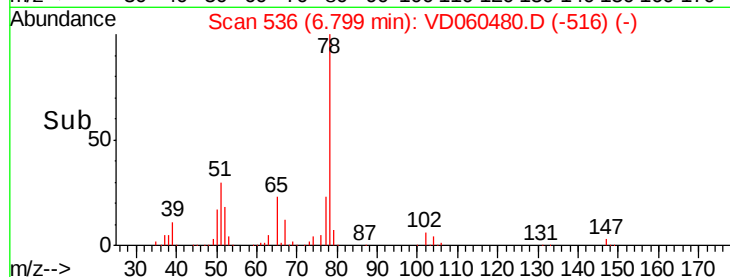
0

6.70

6.80

6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.46 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

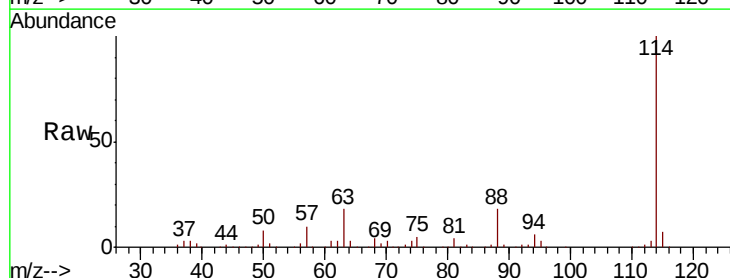
Tgt Ion:114 Resp: 2092015

Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.0

88 18.1 0.0 35.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1000000

800000

600000

400000

200000

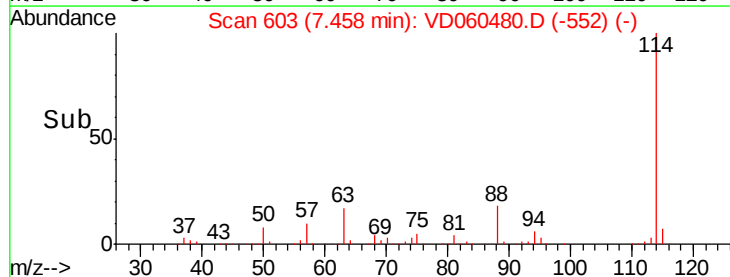
0

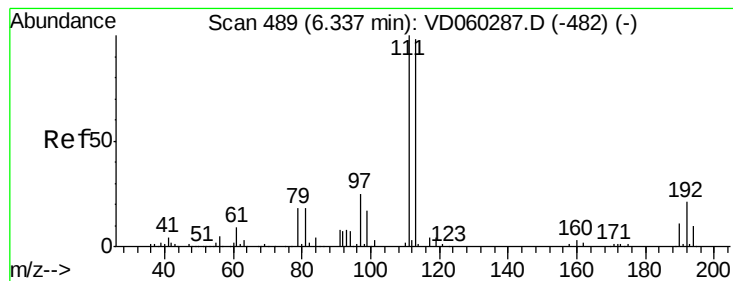
7.40

7.46

7.50

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.34 min Scan# 489

Delta R.T. -0.00 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

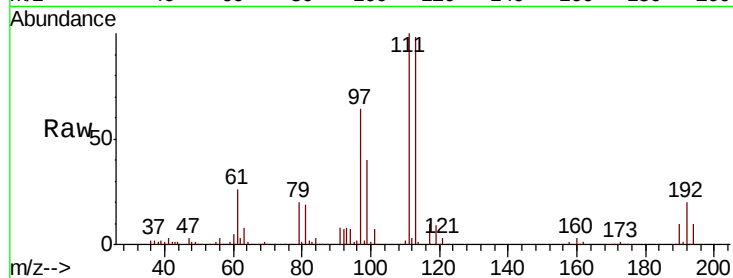
Tot Ion:113 Resp: 752388

Ion Ratio Lower Upper

113 100

111 101.6 81.6 122.4

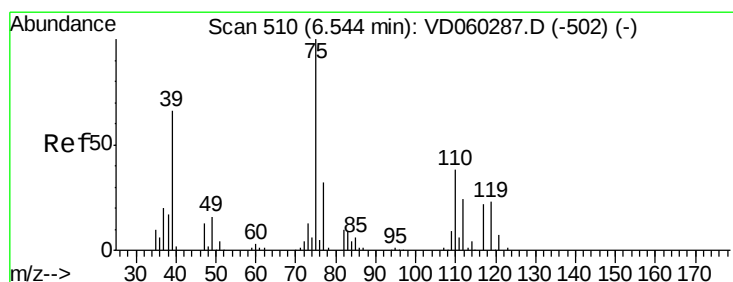
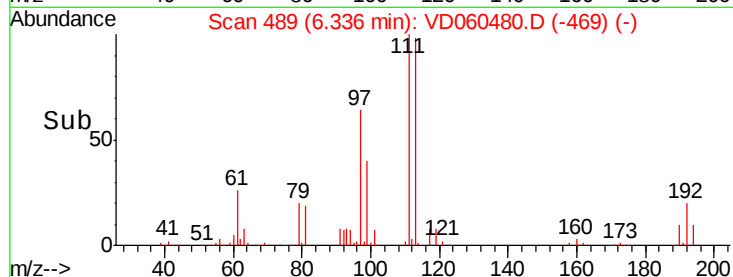
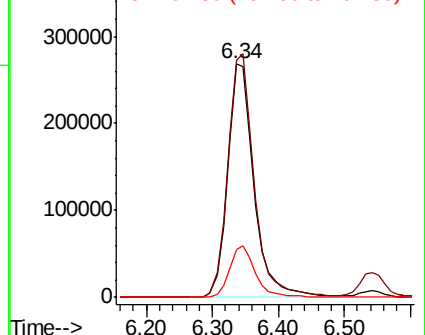
192 20.2 16.5 24.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 55.852 ug/l

RT: 6.54 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

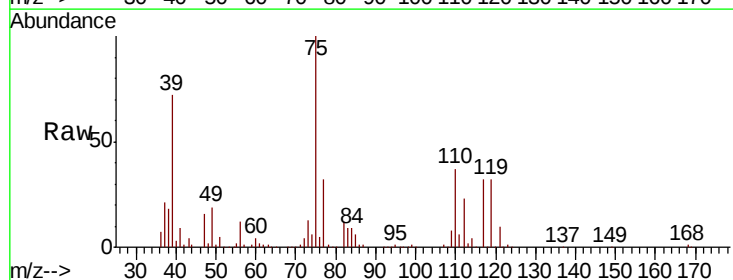
Tgt Ion: 75 Resp: 1154358

Ion Ratio Lower Upper

75 100

110 37.0 18.0 54.0

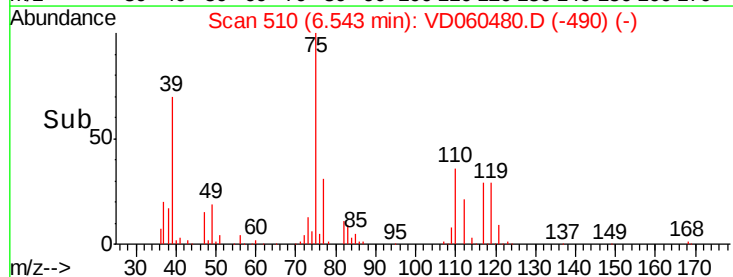
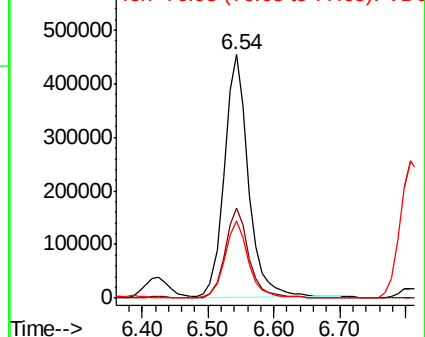
77 31.6 25.6 38.4

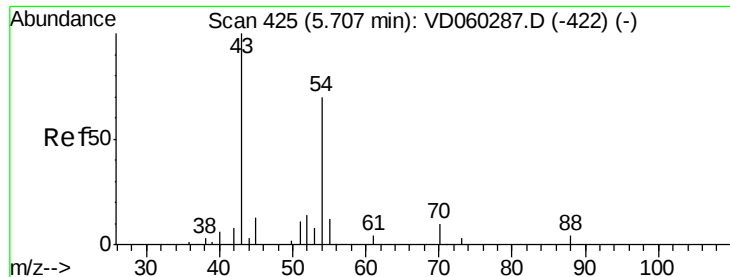


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

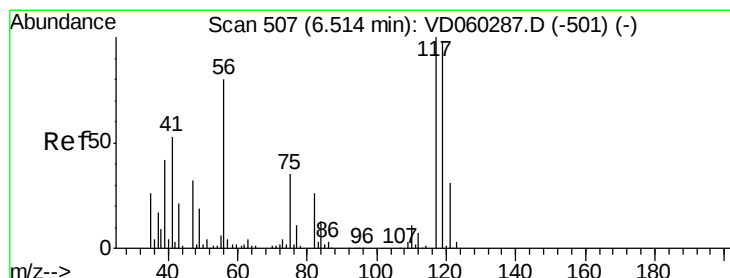
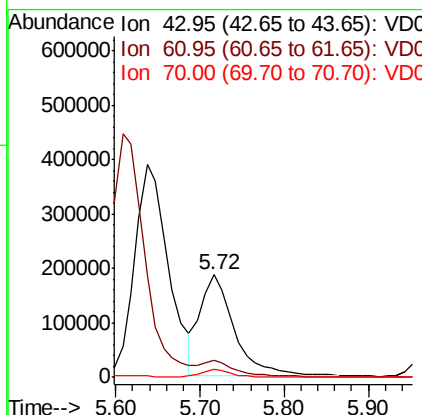
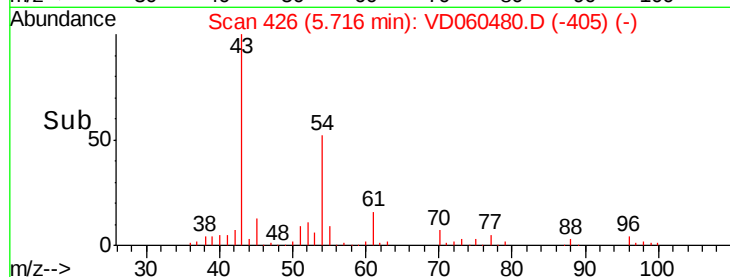
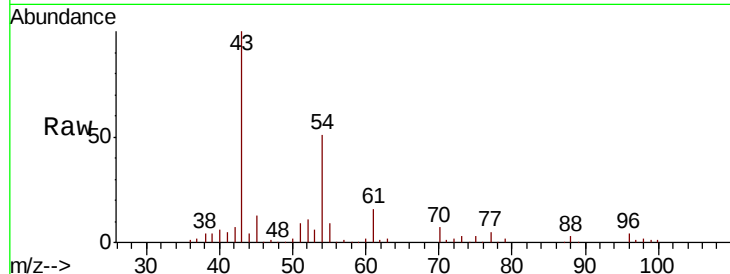




#37
Ethyl Acetate
Concen: 54.915 ug/l
RT: 5.72 min Scan# 426
Delta R.T. 0.01 min
Lab File: VD060480.D
Acq: 4 Dec 2018 10:30

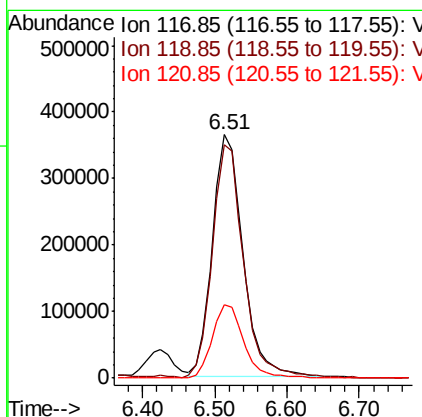
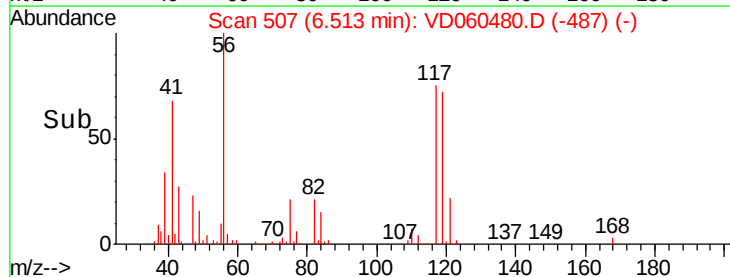
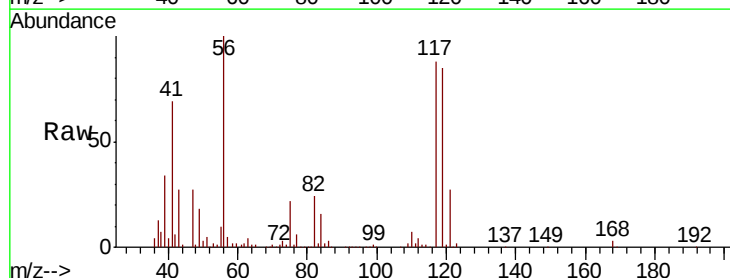
Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

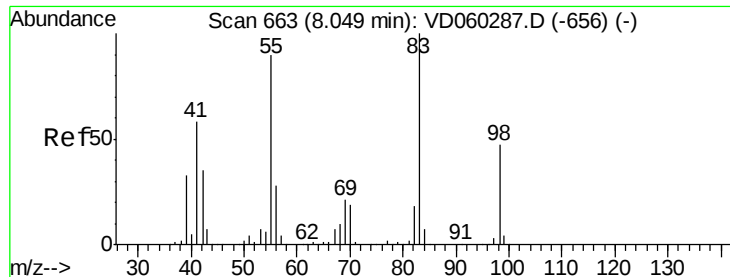
Tot Ion: 43 Resp: 522282
Ion Ratio Lower Upper
43 100
61 16.2 11.8 17.6
70 7.4 6.2 9.4



#38
Carbon Tetrachloride
Concen: 55.713 ug/l
RT: 6.51 min Scan# 507
Delta R.T. -0.00 min
Lab File: VD060480.D
Acq: 4 Dec 2018 10:30

Tgt Ion: 117 Resp: 1068152
Ion Ratio Lower Upper
117 100
119 96.1 76.6 115.0
121 30.2 24.3 36.5

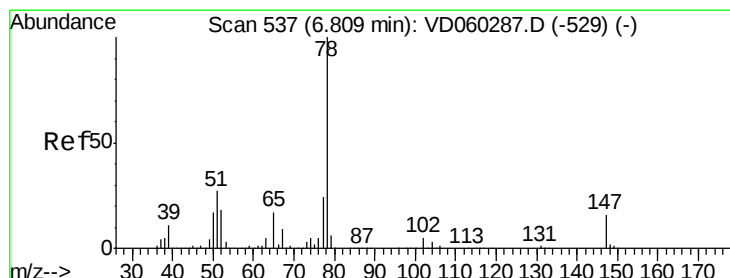
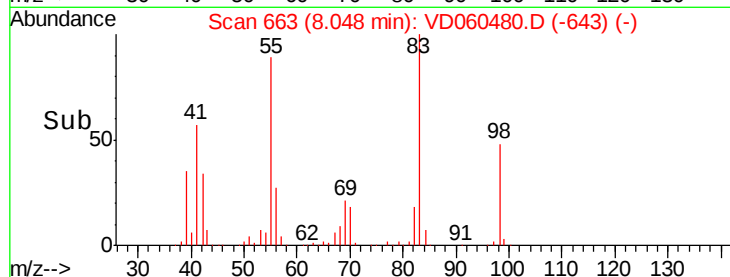
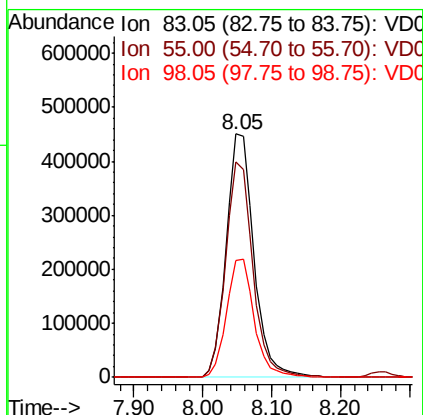
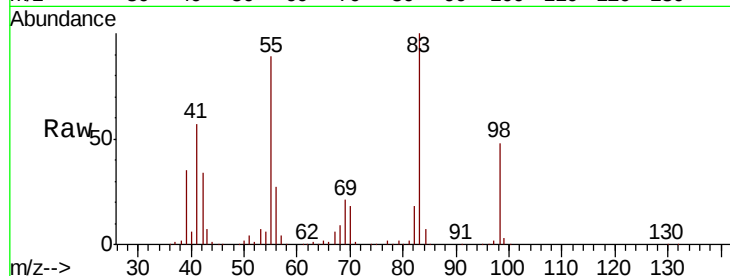




#39
Methvlcvclohexane
Concen: 52.919 ug/l
RT: 8.05 min Scan# 663
Delta R.T. -0.00 min
Lab File: VD060480.D
Acq: 4 Dec 2018 10:30

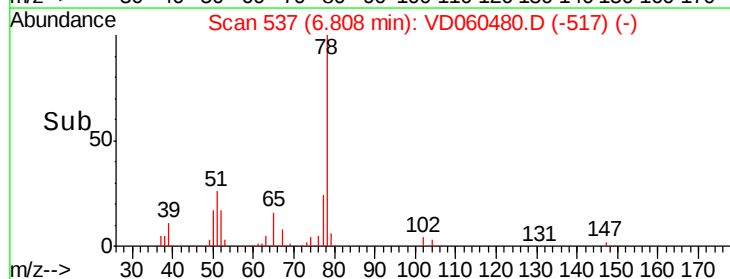
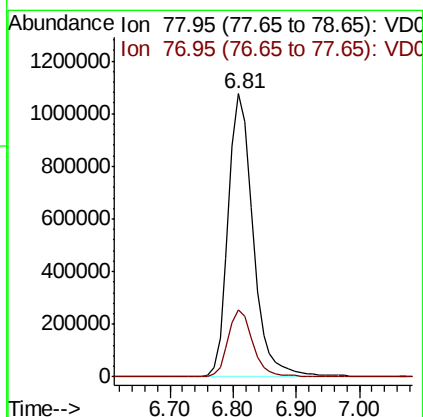
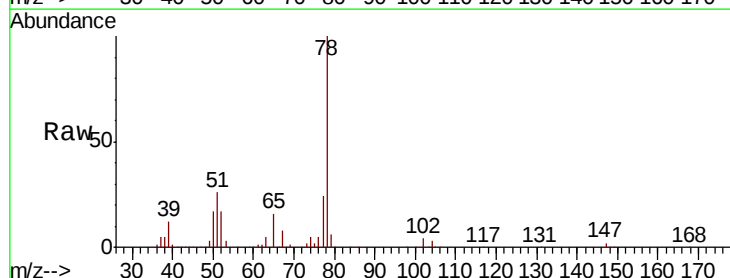
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 1257963
Ion Ratio Lower Upper
83 100
55 88.7 71.2 106.8
98 48.2 38.4 57.6



#40
Benzene
Concen: 55.838 ug/l
RT: 6.81 min Scan# 537
Delta R.T. -0.00 min
Lab File: VD060480.D
Acq: 4 Dec 2018 10:30

Tgt Ion: 78 Resp: 2945886
Ion Ratio Lower Upper
78 100
77 23.9 18.8 28.2





#41

Methacrylonitrile

Concen: 55.206 ug/l

RT: 5.95 min Scan# 450

Delta R.T. -0.01 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 600947

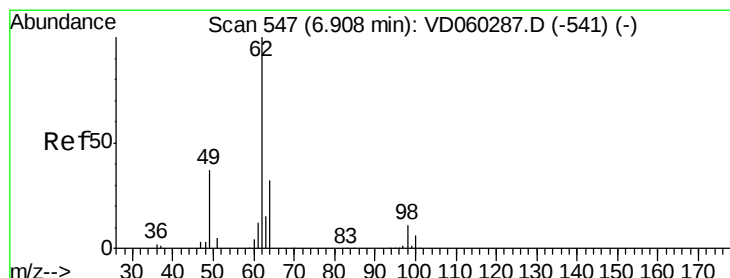
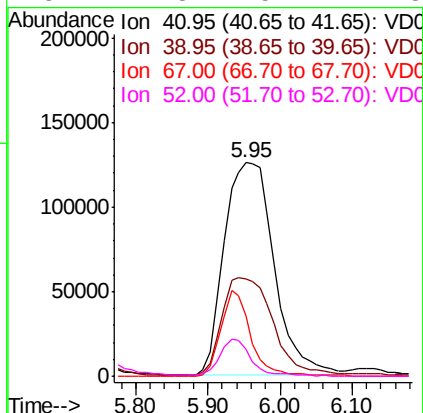
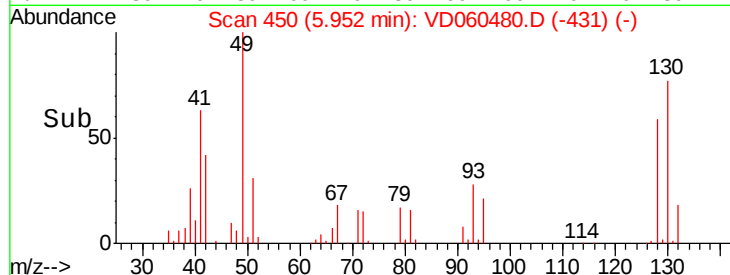
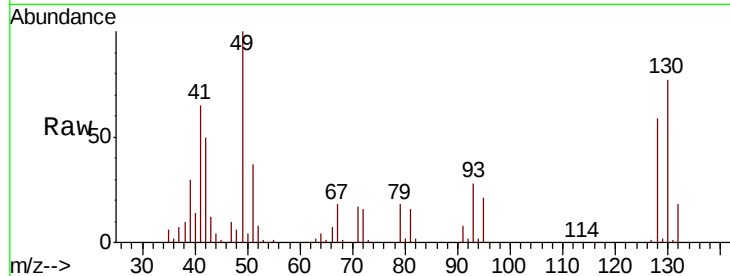
Ion Ratio Lower Upper

41 100

39 45.3 36.2 54.2

67 27.9 11.9 17.9#

52 12.8 5.2 7.8#



#42

1,2-Dichloroethane

Concen: 55.633 ug/l

RT: 6.91 min Scan# 547

Delta R.T. -0.00 min

Lab File: VD060480.D

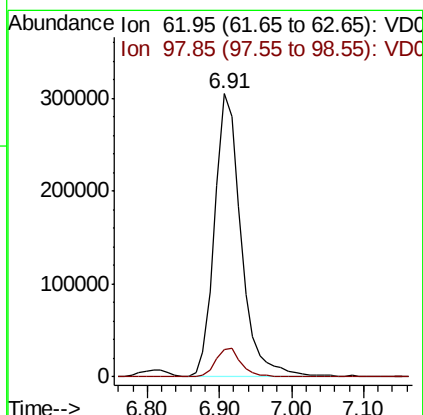
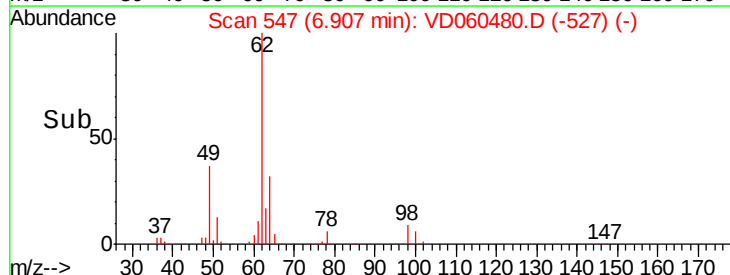
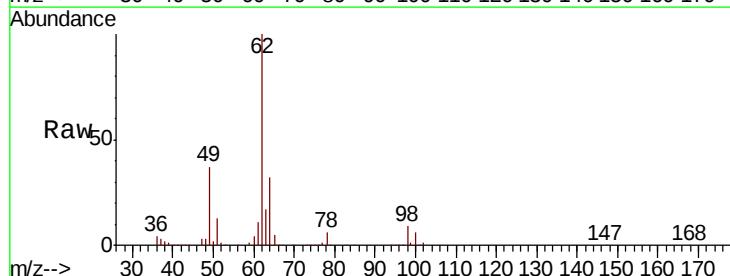
Acq: 4 Dec 2018 10:30

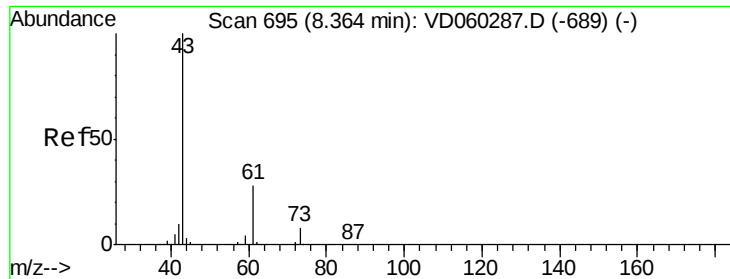
Tgt Ion: 62 Resp: 768247

Ion Ratio Lower Upper

62 100

98 9.5 0.0 22.0





#43

Isopropyl Acetate

Concen: 55.167 ug/l

RT: 8.36 min Scan# 695

Delta R.T. -0.00 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

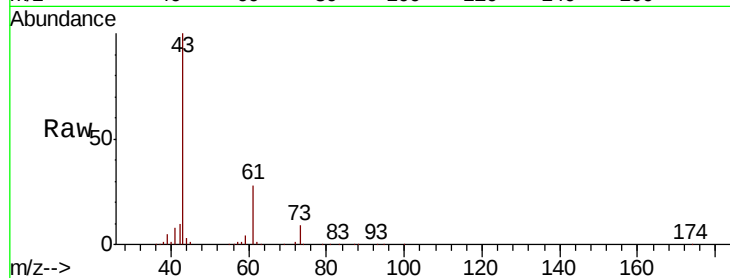
Tot Ion: 43 Resp: 659055

Ion Ratio Lower Upper

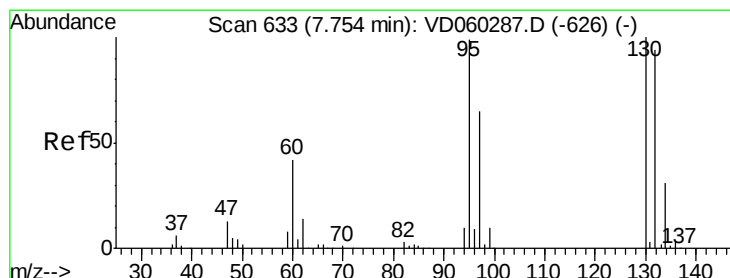
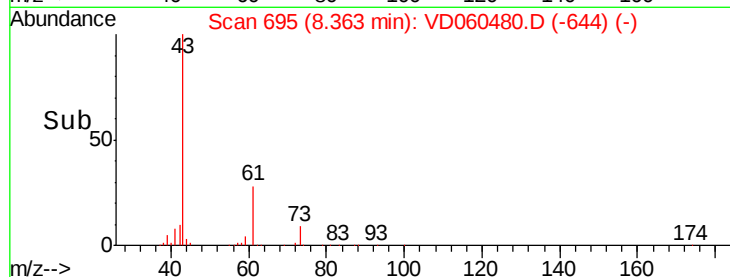
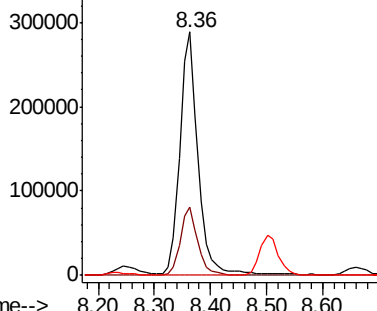
43 100

61 28.2 22.3 33.5

87 0.3 0.2 0.2#



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: 56.637 ug/l

RT: 7.75 min Scan# 633

Delta R.T. -0.00 min

Lab File: VD060480.D

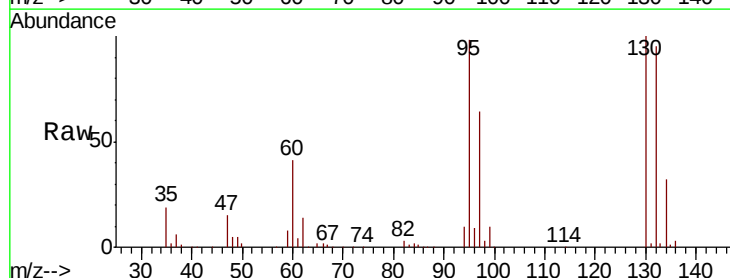
Acq: 4 Dec 2018 10:30

Tgt Ion:130 Resp: 905793

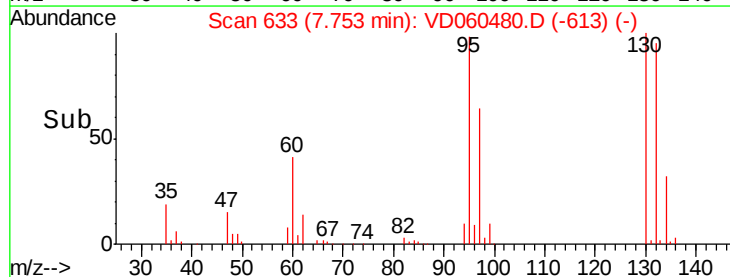
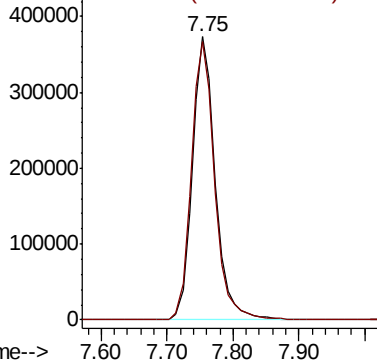
Ion Ratio Lower Upper

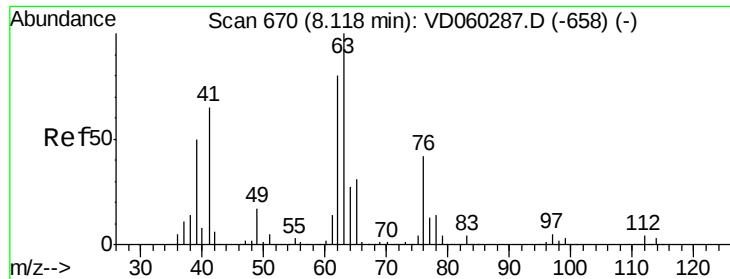
130 100

95 98.1 0.0 200.0



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





#45

1,2-Dichloropropane

Concen: 57.425 ug/l

RT: 8.12 min Scan# 670

Delta R.T. -0.00 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

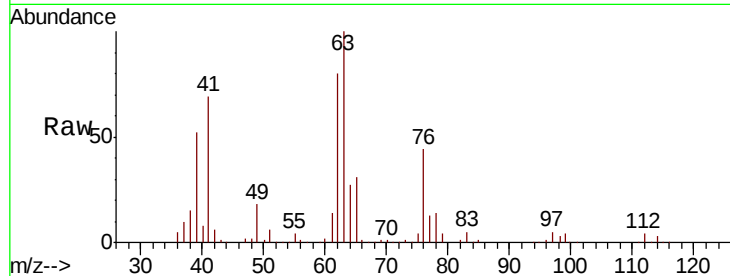
VSTDCCC050

Tot Ion: 63 Resp: 764082

Ion Ratio Lower Upper

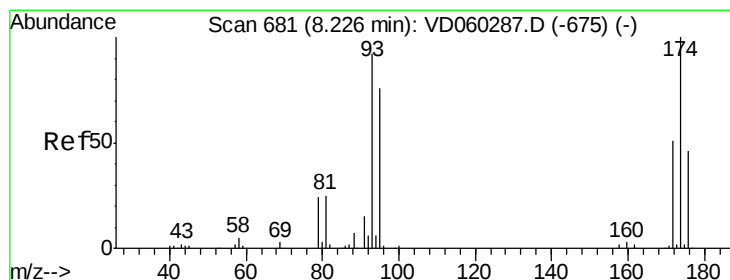
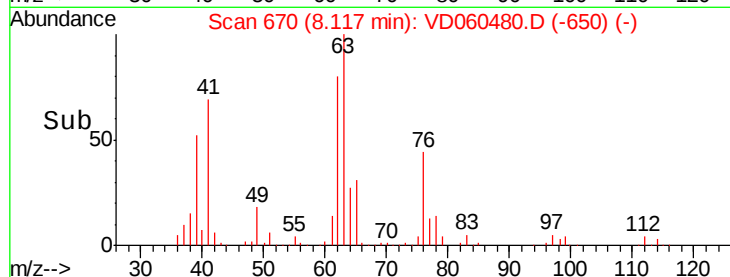
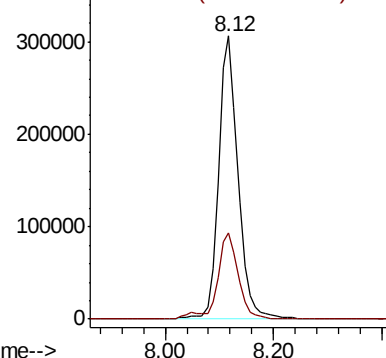
63 100

65 30.6 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 56.382 ug/l

RT: 8.23 min Scan# 681

Delta R.T. -0.00 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

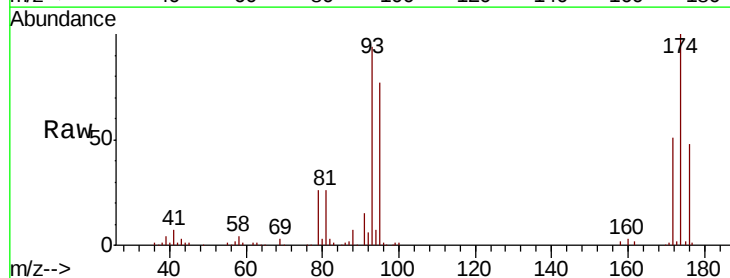
Tgt Ion: 93 Resp: 439380

Ion Ratio Lower Upper

93 100

95 82.5 66.4 99.6

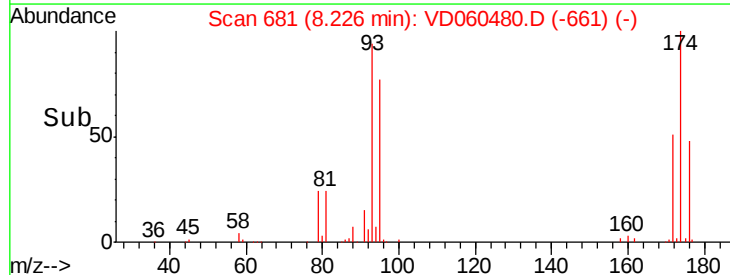
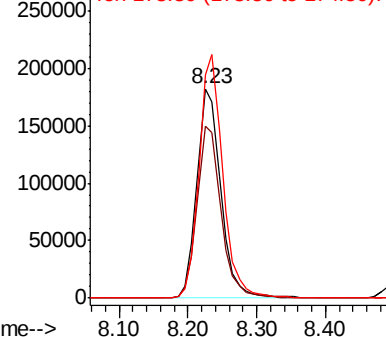
174 106.6 87.8 131.8

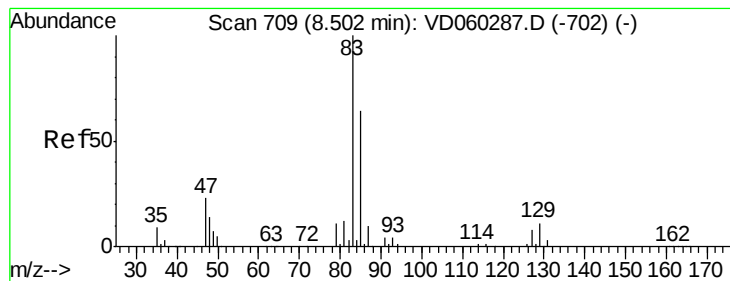


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 57.734 ug/l

RT: 8.50 min Scan# 709

Delta R.T. -0.00 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

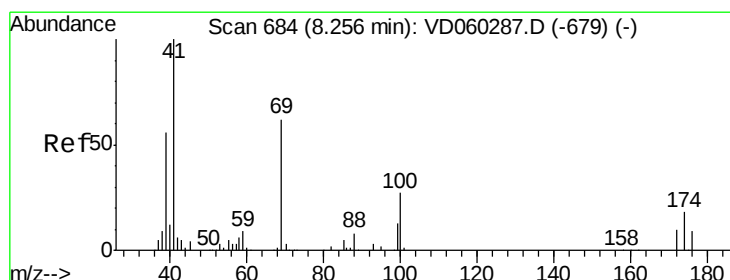
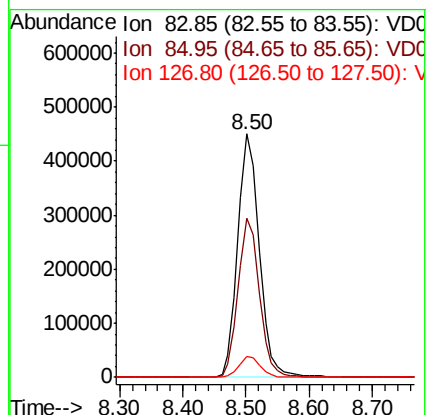
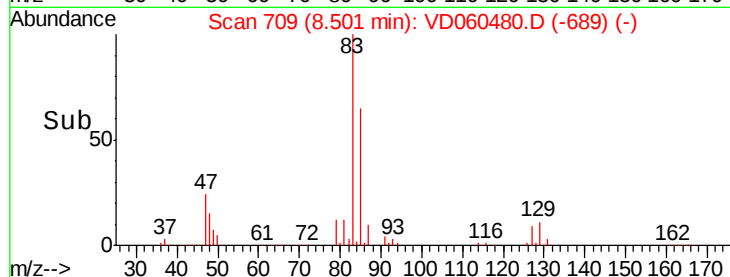
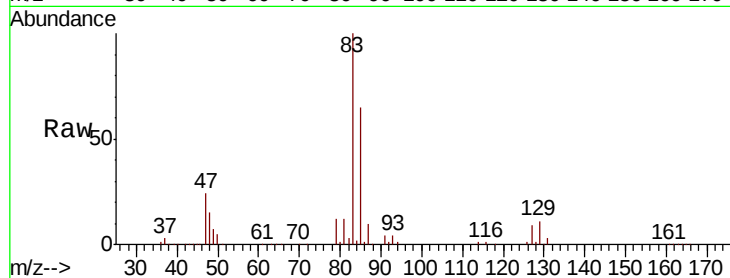
Tot Ion: 83 Resp: 1060206

Ion Ratio Lower Upper

83 100

85 65.2 51.0 76.6

127 8.6 6.2 9.4



#48

Methyl methacrylate

Concen: 56.499 ug/l

RT: 8.26 min Scan# 684

Delta R.T. -0.00 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

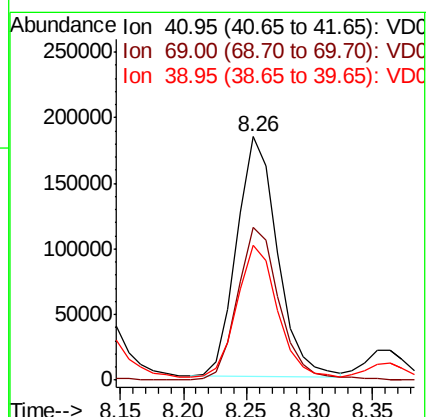
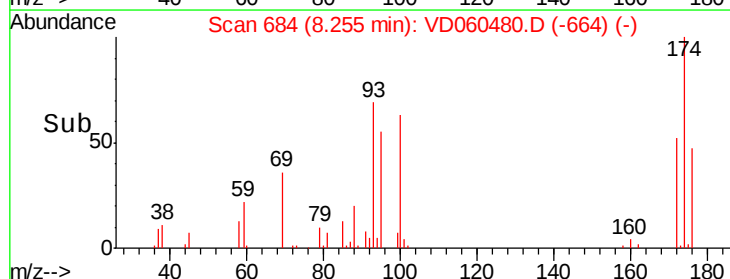
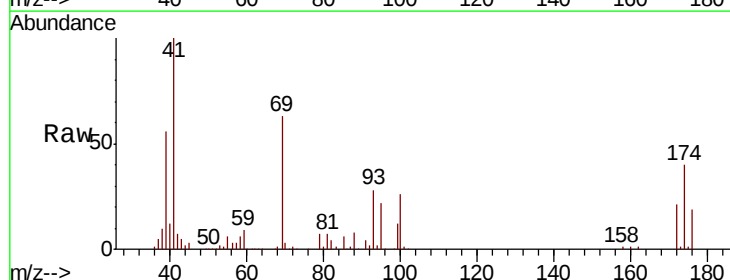
Tgt Ion: 41 Resp: 409995

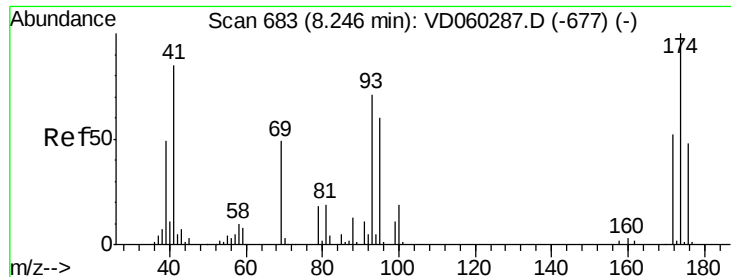
Ion Ratio Lower Upper

41 100

69 62.8 47.0 70.4

39 55.6 46.2 69.4

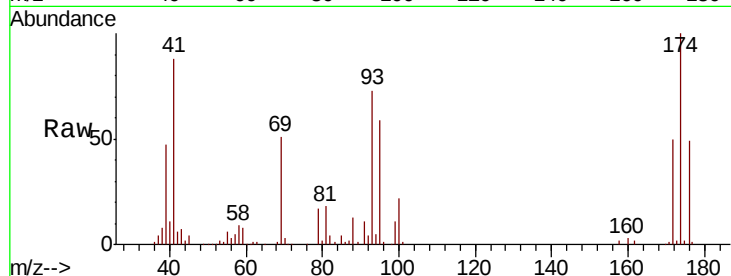




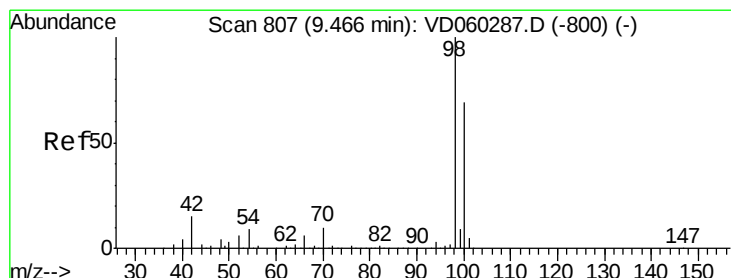
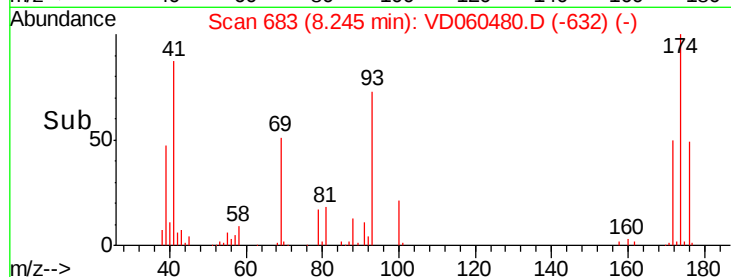
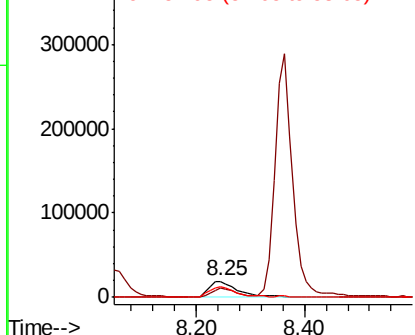
#49
1,4-Dioxane
Concen: 1160.202 ug/l
RT: 8.25 min Scan# 683
Delta R.T. -0.00 min
Lab File: VD060480.D
Acq: 4 Dec 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 72845
Ion Ratio Lower Upper
88 100
43 54.8 39.7 59.5
58 65.4 60.2 90.2

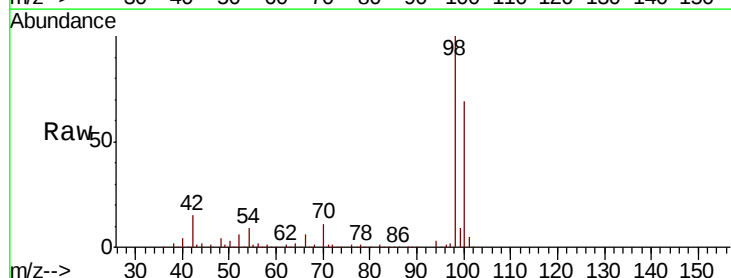


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

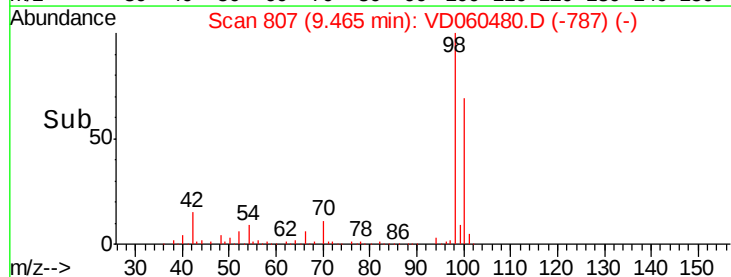
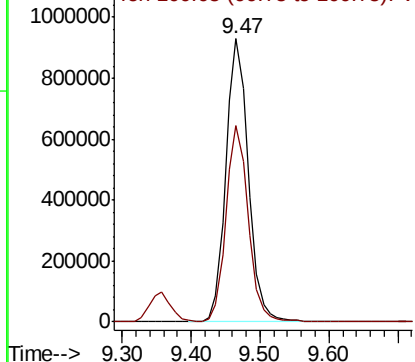


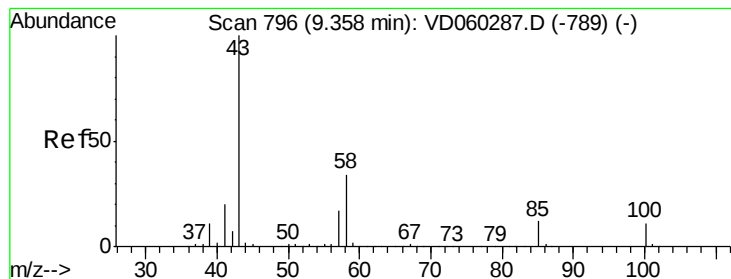
#50
Toluene-d8
Concen: 1160.202 ug/l
RT: 9.47 min Scan# 807
Delta R.T. -0.00 min
Lab File: VD060480.D
Acq: 4 Dec 2018 10:30

Tgt Ion: 98 Resp: 2095983
Ion Ratio Lower Upper
98 100
100 69.5 55.2 82.8



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: 274.704 ug/l

RT: 9.36 min Scan# 796

Delta R.T. -0.00 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

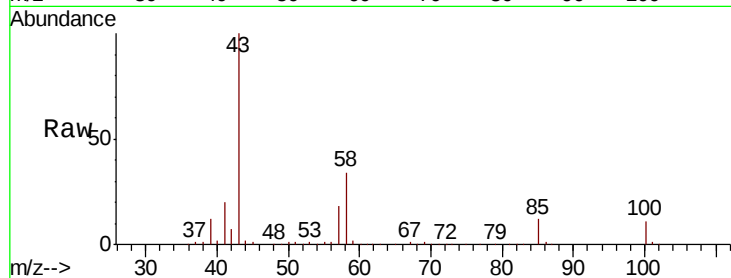
VSTDCCC050

Tot Ion: 43 Resp: 2135985

Ion Ratio Lower Upper

43 100

58 33.9 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.36

800000

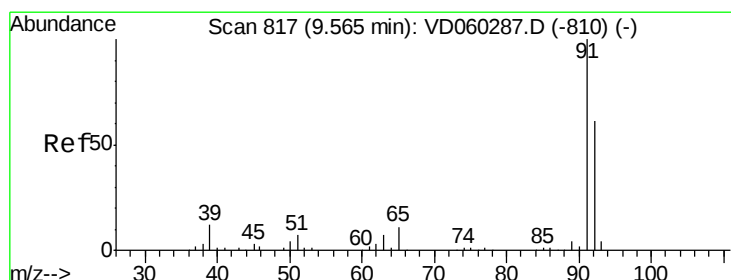
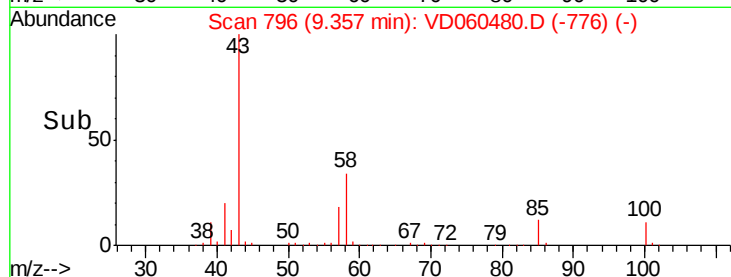
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 55.273 ug/l

RT: 9.56 min Scan# 817

Delta R.T. -0.00 min

Lab File: VD060480.D

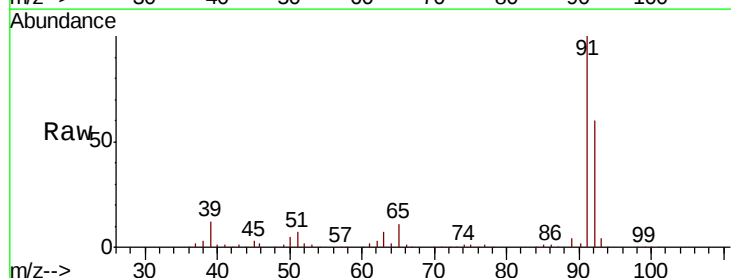
Acq: 4 Dec 2018 10:30

Tgt Ion: 92 Resp: 1862743

Ion Ratio Lower Upper

92 100

91 165.4 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.56

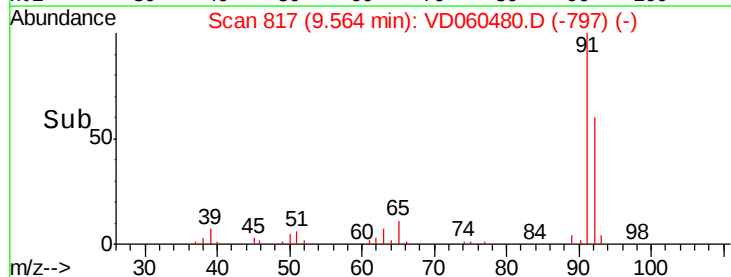
1500000

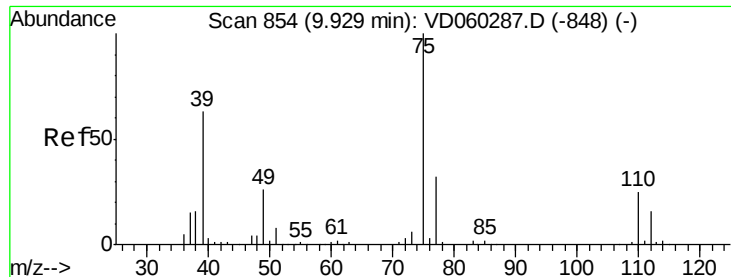
1000000

500000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 56.629 ug/l

RT: 9.93 min Scan# 854

Delta R.T. -0.00 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

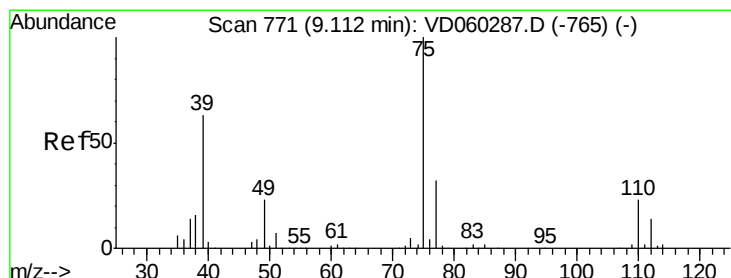
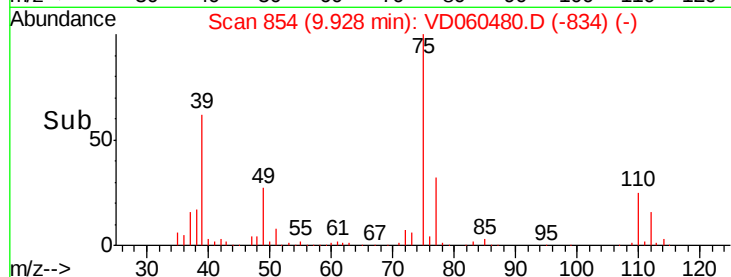
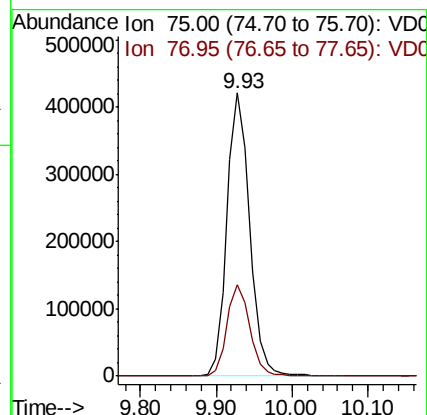
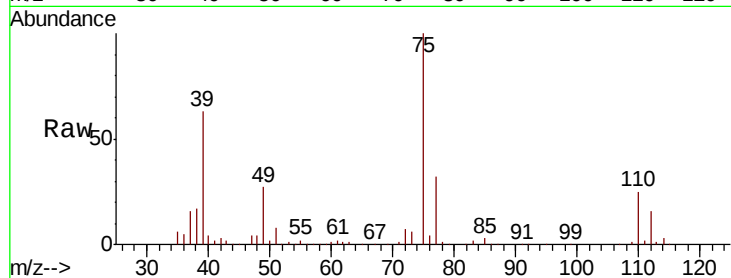
VSTDCCC050

Tot Ion: 75 Resp: 878655

Ion Ratio Lower Upper

75 100

77 32.1 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 57.556 ug/l

RT: 9.11 min Scan# 771

Delta R.T. -0.00 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

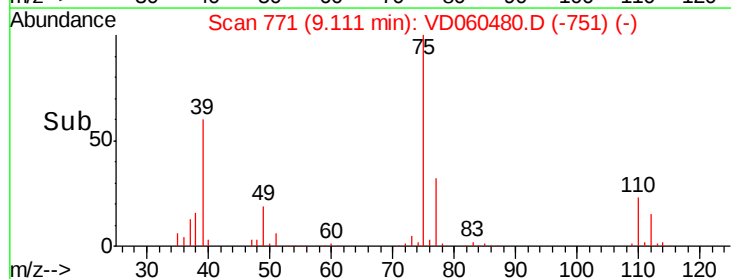
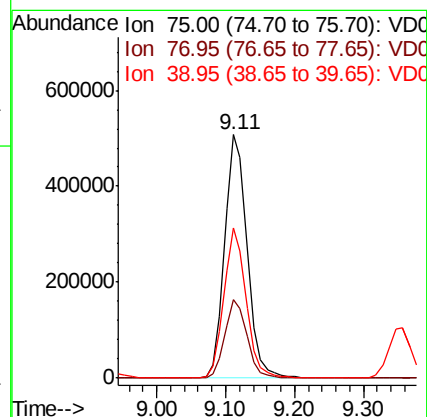
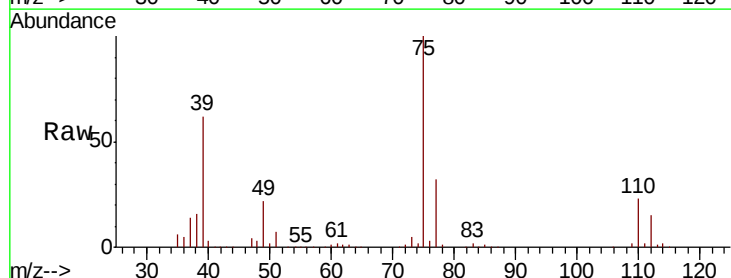
Tgt Ion: 75 Resp: 1145413

Ion Ratio Lower Upper

75 100

77 32.2 26.3 39.5

39 61.6 50.8 76.2

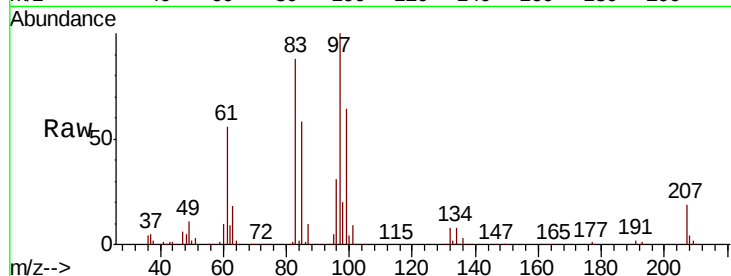




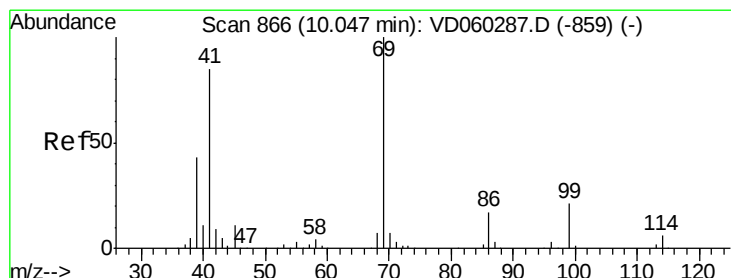
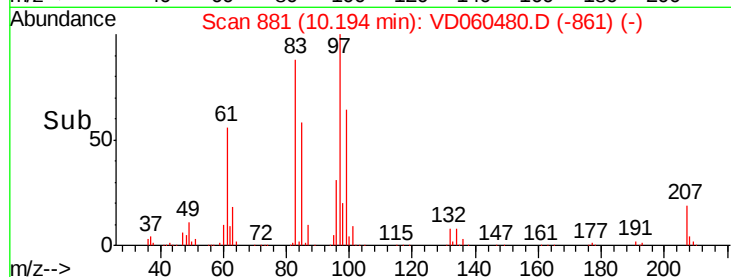
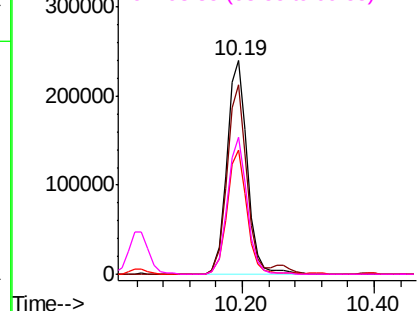
#55
 1,1,2-Trichloroethane
 Concen: 52.907 ug/l
 RT: 10.19 min Scan# 881
 Delta R.T. -0.00 min
 Lab File: VD060480.D
 Acq: 4 Dec 2018 10:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	516781
Ion	Ratio	Lower	Upper
97	100		
83	88.5	68.4	102.6
85	58.0	46.8	70.2
99	64.4	49.5	74.3

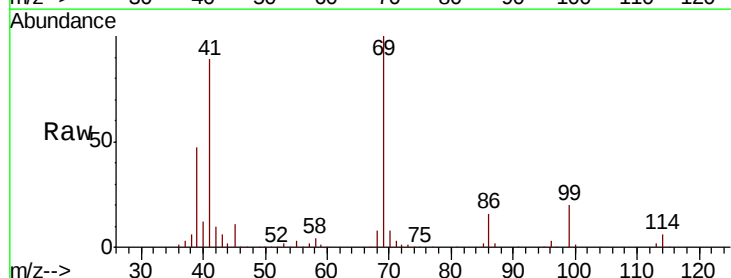


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

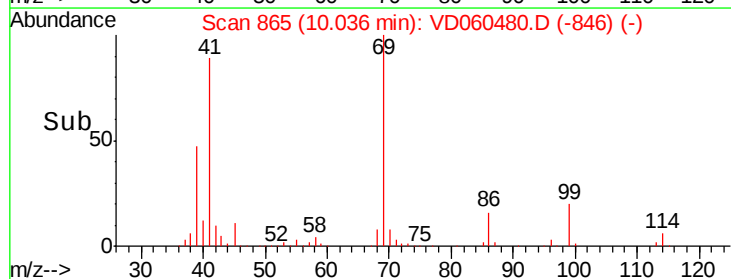
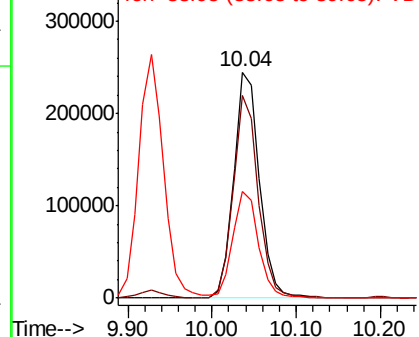


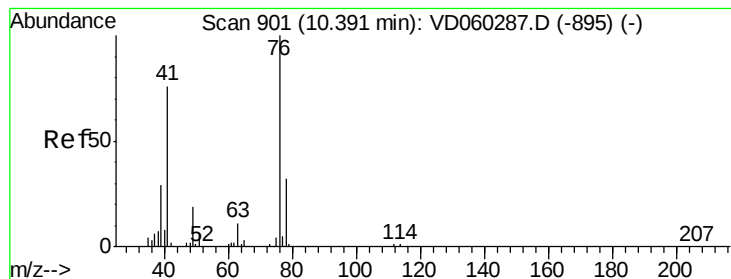
#56
 Ethyl methacrylate
 Concen: 57.802 ug/l
 RT: 10.04 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VD060480.D
 Acq: 4 Dec 2018 10:30

Tgt Ion:	69	Resp:	519116
Ion	Ratio	Lower	Upper
69	100		
41	89.5	69.0	103.4
39	47.2	36.6	54.8



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 57.172 ug/l

RT: 10.39 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

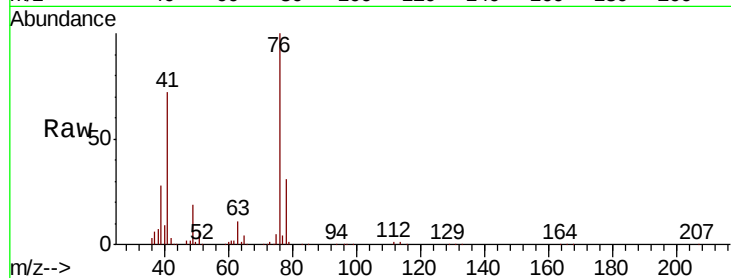
VSTDCCC050

Tot Ion: 76 Resp: 850936

Ion Ratio Lower Upper

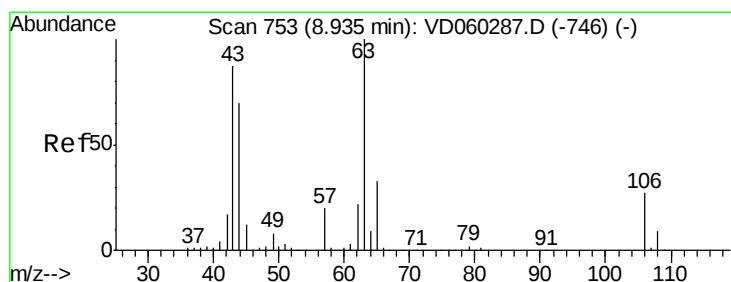
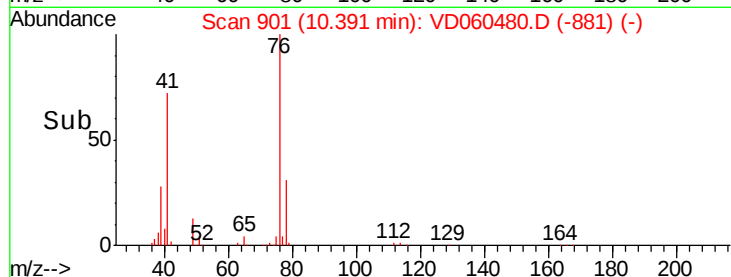
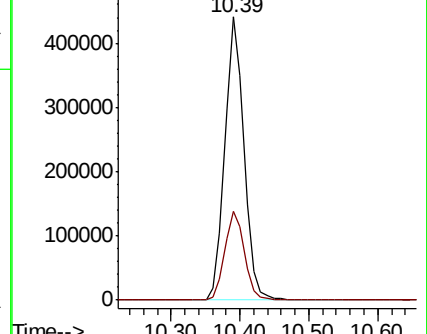
76 100

78 31.3 25.9 38.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 243.616 ug/l

RT: 8.93 min Scan# 753

Delta R.T. -0.00 min

Lab File: VD060480.D

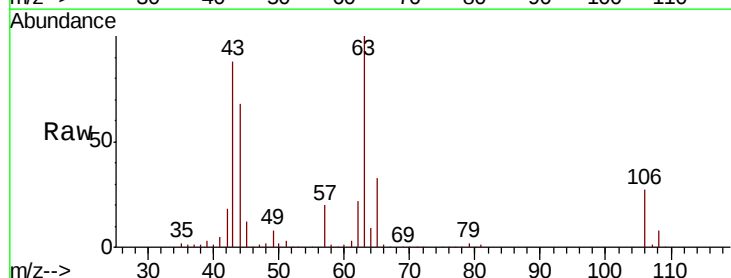
Acq: 4 Dec 2018 10:30

Tgt Ion: 63 Resp: 1322915

Ion Ratio Lower Upper

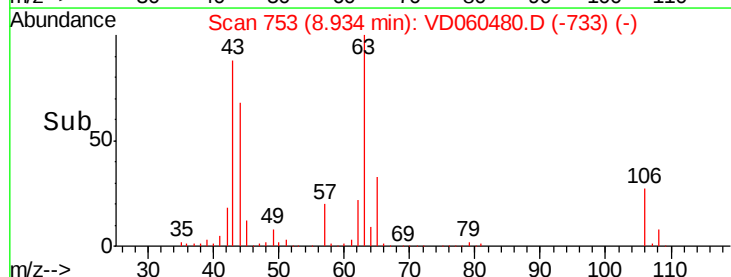
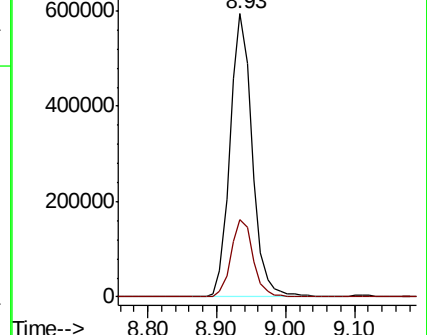
63 100

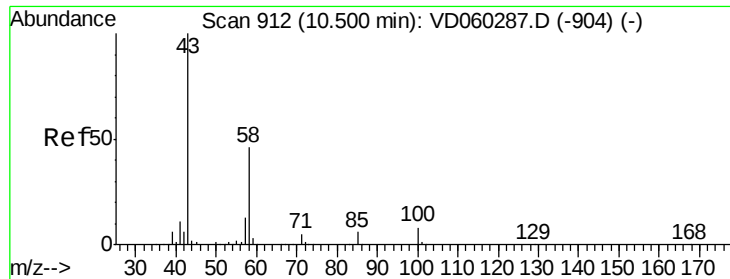
106 27.3 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

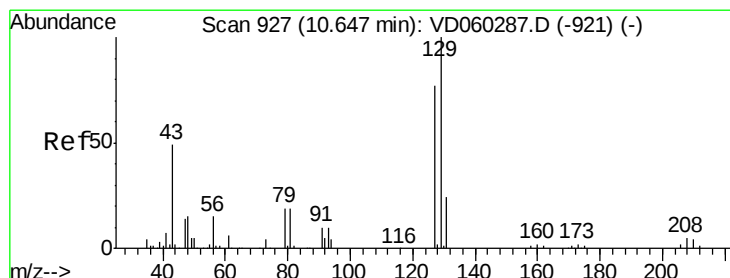
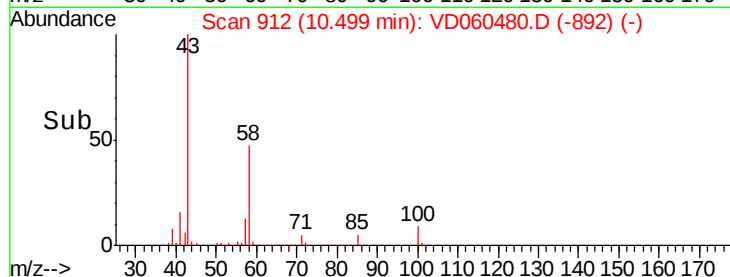
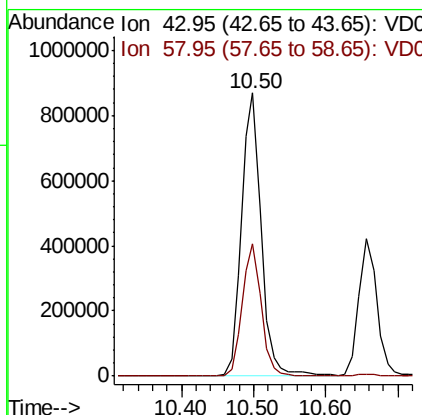
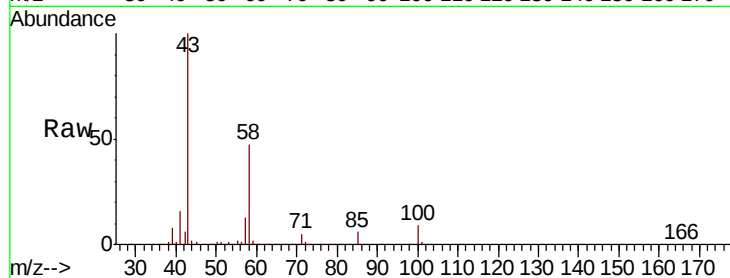




#59
2-Hexanone
Concen: 298.958 ug/l
RT: 10.50 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD060480.D
Acq: 4 Dec 2018 10:30

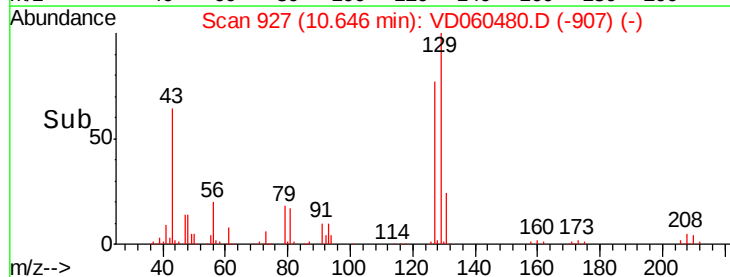
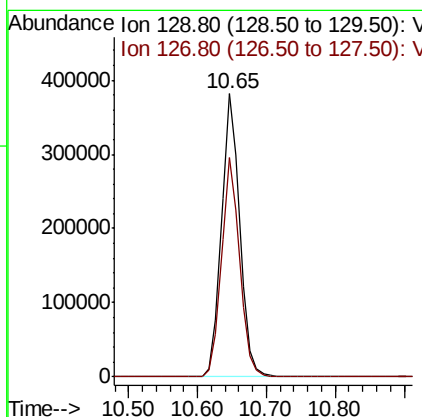
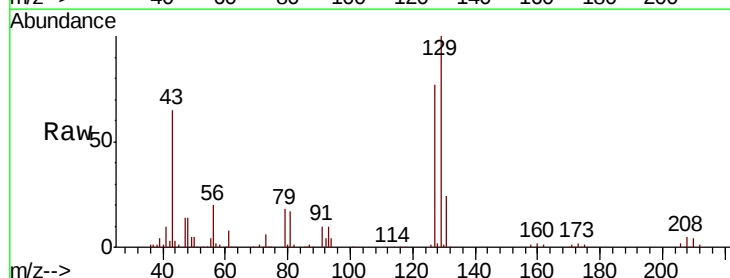
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

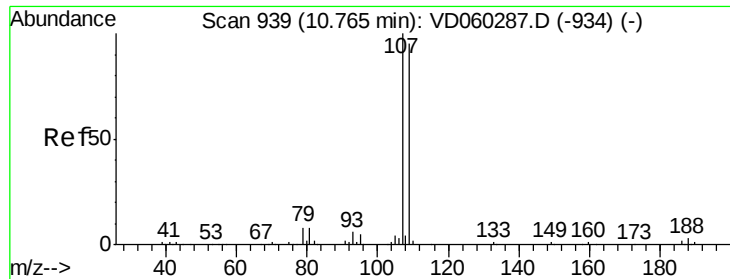
Tot Ion: 43 Resp: 1656812
Ion Ratio Lower Upper
43 100
58 46.6 22.9 68.5



#60
Dibromochloromethane
Concen: 59.335 ug/l
RT: 10.65 min Scan# 927
Delta R.T. -0.00 min
Lab File: VD060480.D
Acq: 4 Dec 2018 10:30

Tgt Ion: 129 Resp: 704518
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.6





#61

1,2-Dibromoethane

Concen: 56.764 ug/l

RT: 10.76 min Scan# 939

Delta R.T. -0.00 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

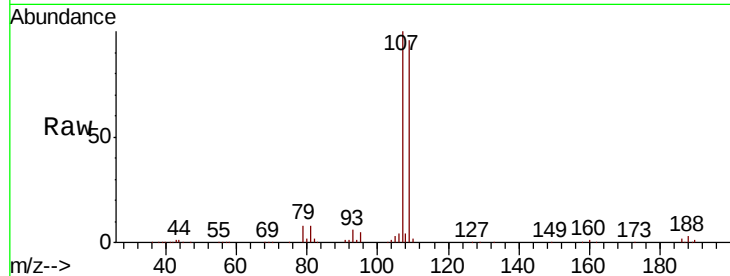
VSTDCCC050

Tot Ion:107 Resp: 555532

Ion Ratio Lower Upper

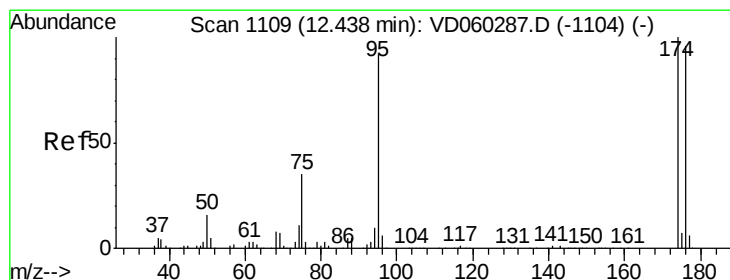
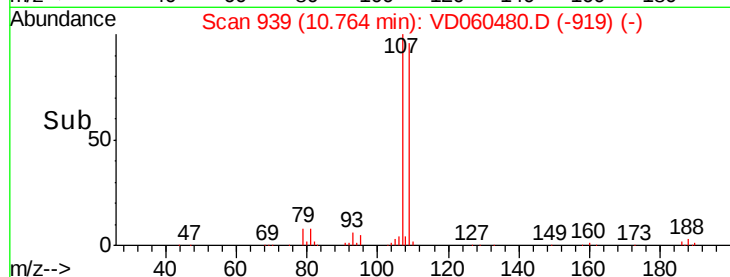
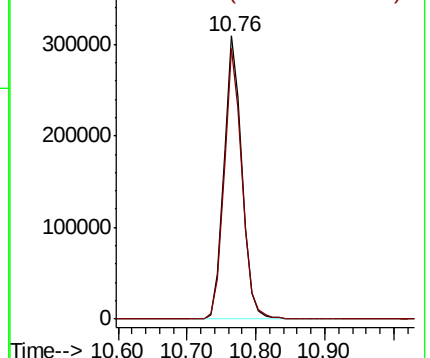
107 100

109 95.8 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 56.764 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

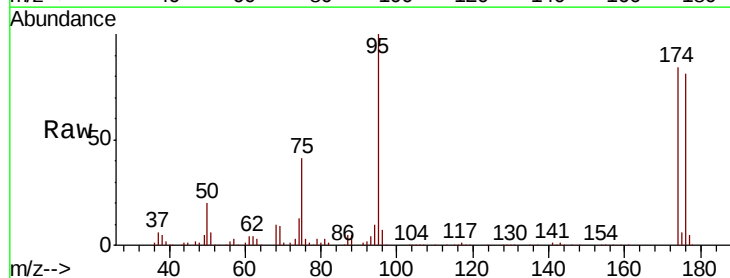
Tgt Ion: 95 Resp: 760078

Ion Ratio Lower Upper

95 100

174 83.9 0.0 160.8

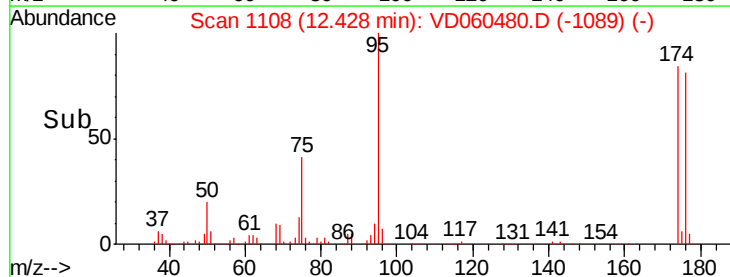
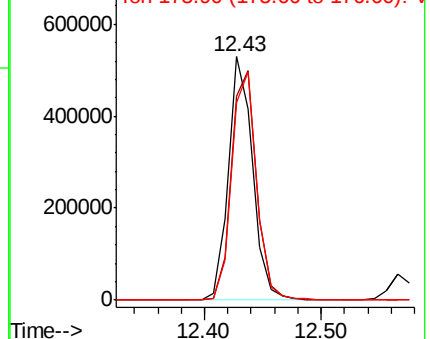
176 81.0 0.0 154.6

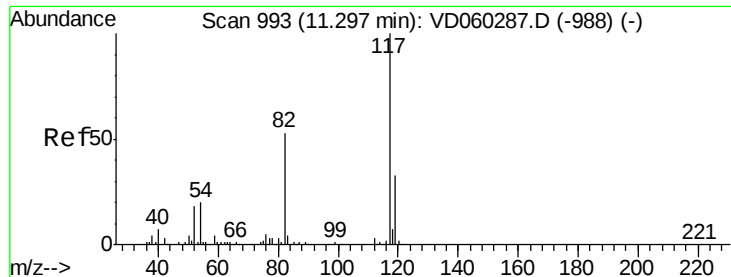


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

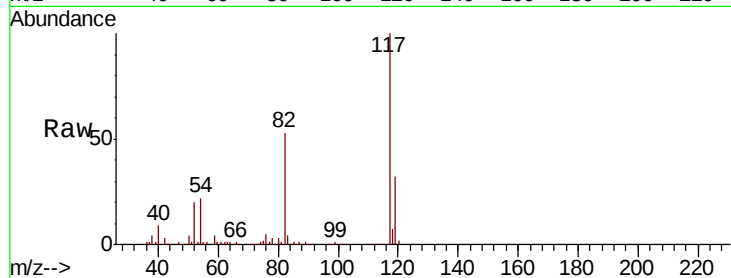




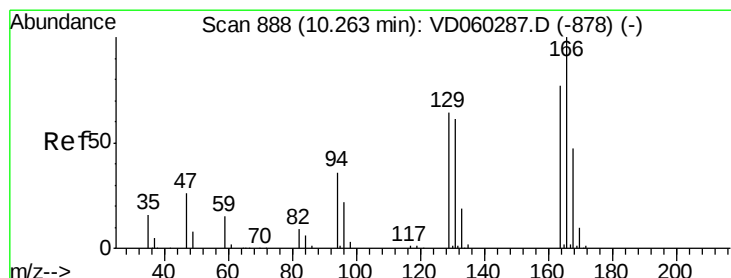
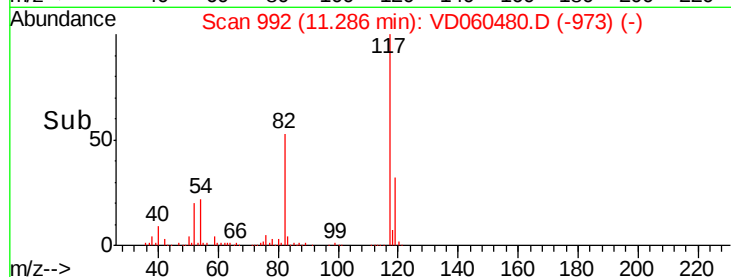
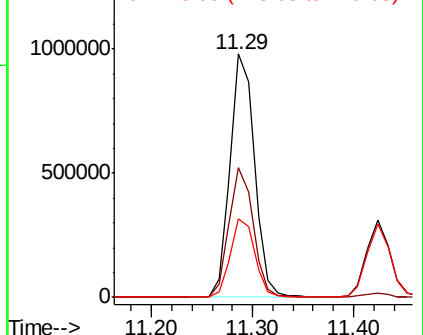
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060480.D
Acq: 4 Dec 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1654021
Ion Ratio Lower Upper
117 100
82 53.3 43.7 65.5
119 32.0 26.1 39.1

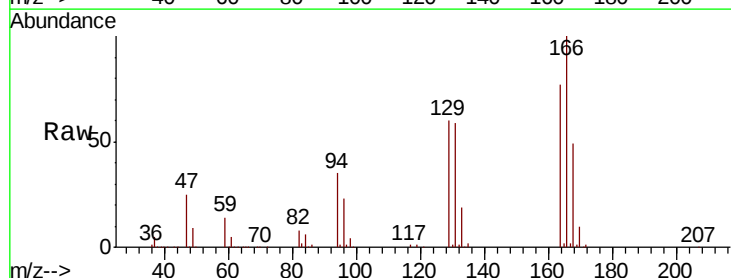


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

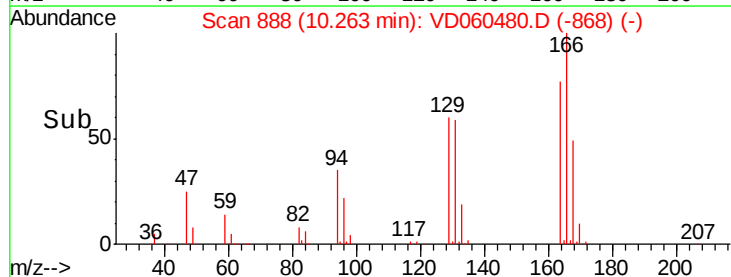
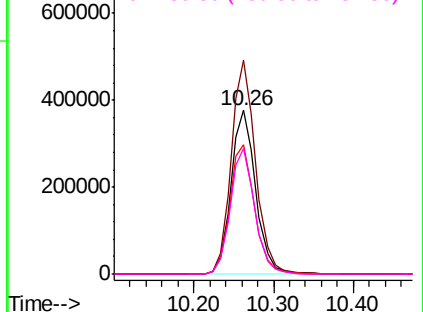


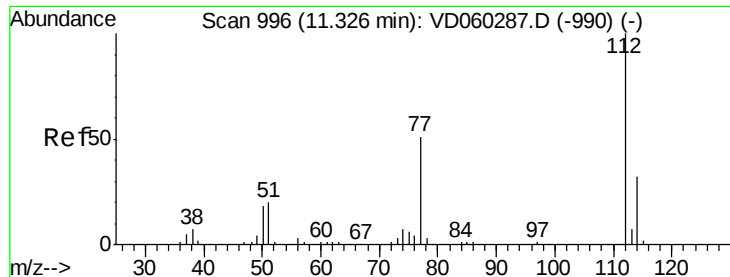
#64
Tetrachloroethene
Concen: 54.851 ug/l
RT: 10.26 min Scan# 888
Delta R.T. -0.00 min
Lab File: VD060480.D
Acq: 4 Dec 2018 10:30

Tgt Ion:164 Resp: 809937
Ion Ratio Lower Upper
164 100
166 130.6 103.7 155.5
129 78.8 65.6 98.4
131 76.8 64.4 96.6



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

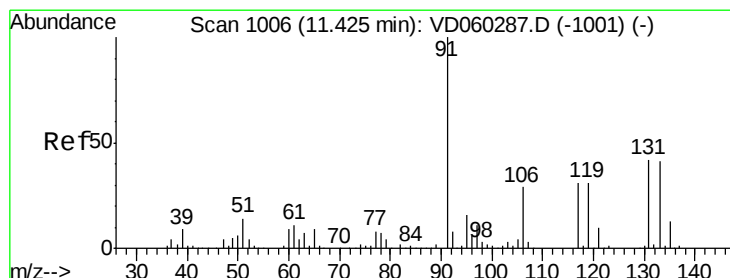
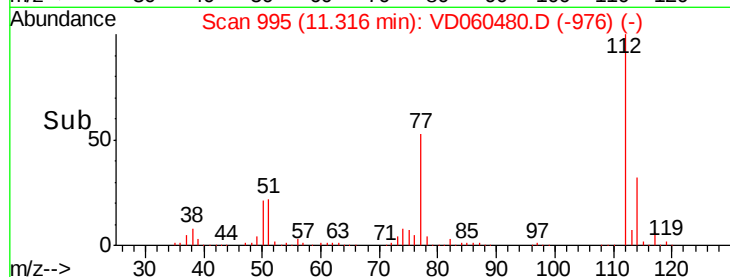
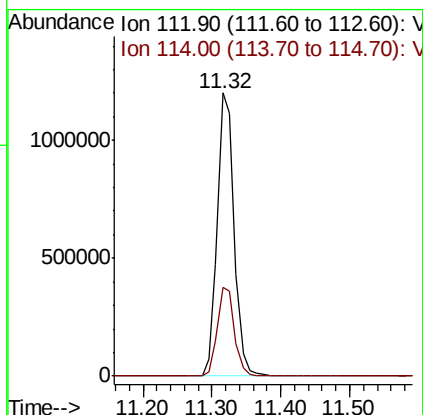
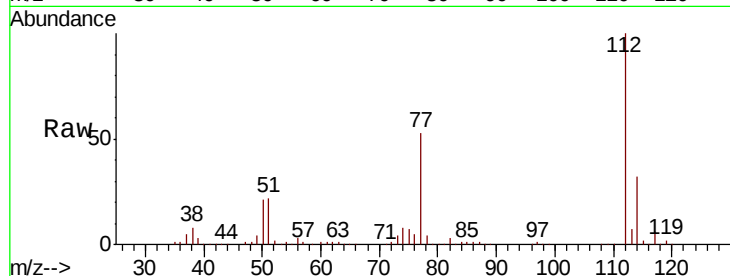




#65
Chlorobenzene
Concen: 56.959 ug/l
RT: 11.32 min Scan# 995
Delta R.T. -0.01 min
Lab File: VD060480.D
Acq: 4 Dec 2018 10:30

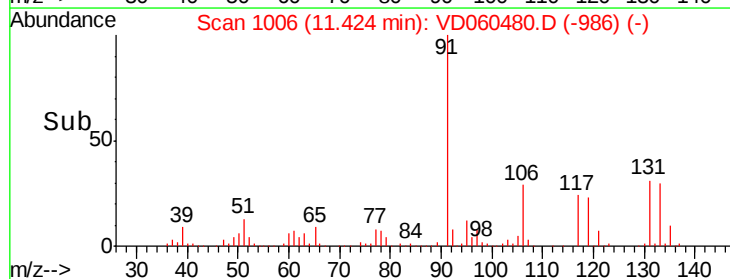
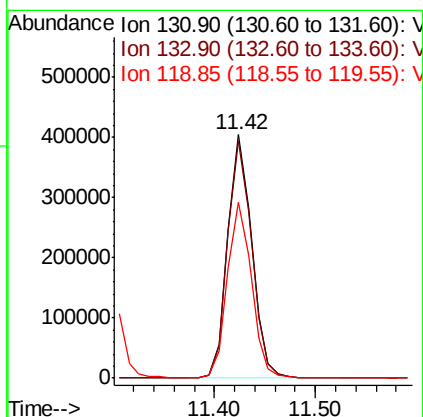
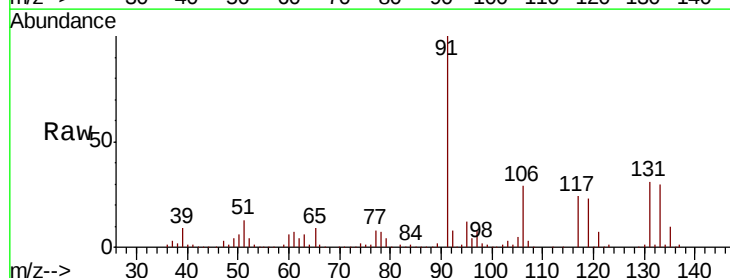
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 2041299
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 57.272 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VD060480.D
Acq: 4 Dec 2018 10:30

Tgt Ion:131 Resp: 671565
Ion Ratio Lower Upper
131 100
133 97.2 50.0 150.0
119 72.4 37.0 111.1

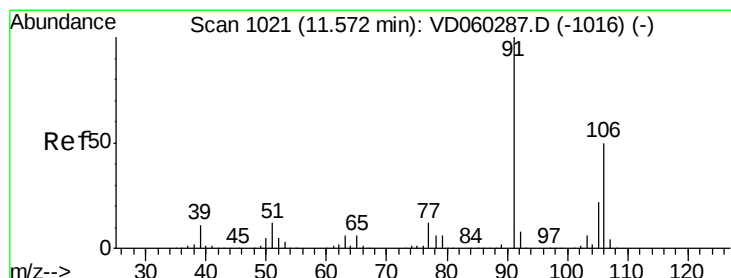
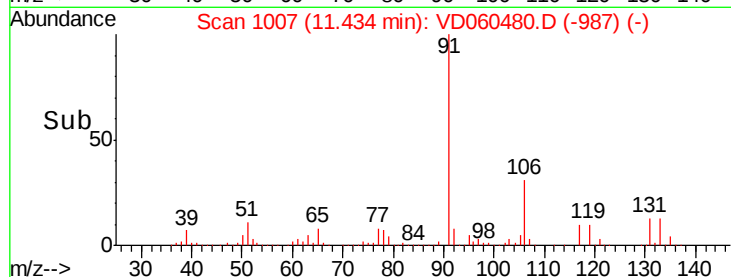
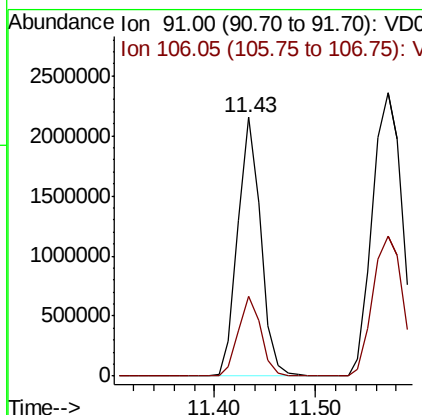
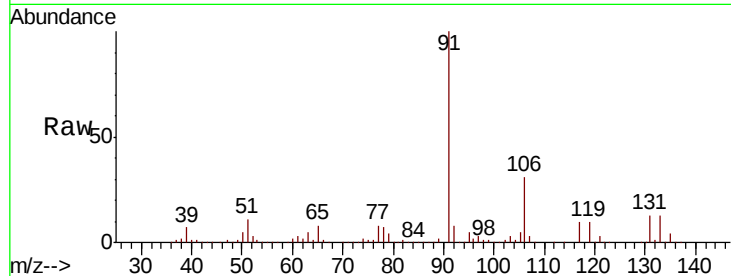




#67
Ethyl Benzene
Concen: 55.509 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VD060480.D
Acq: 4 Dec 2018 10:30

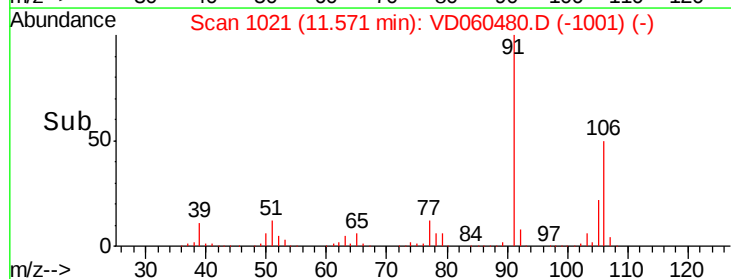
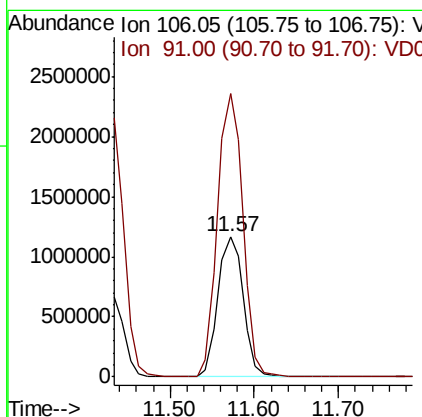
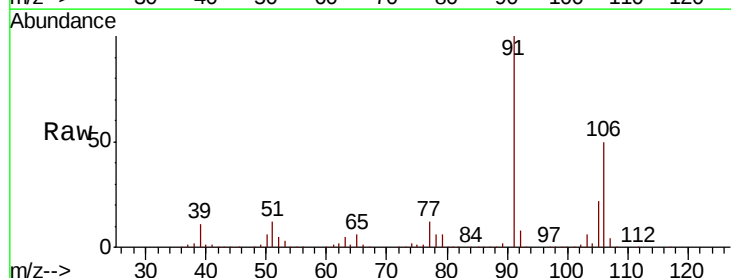
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

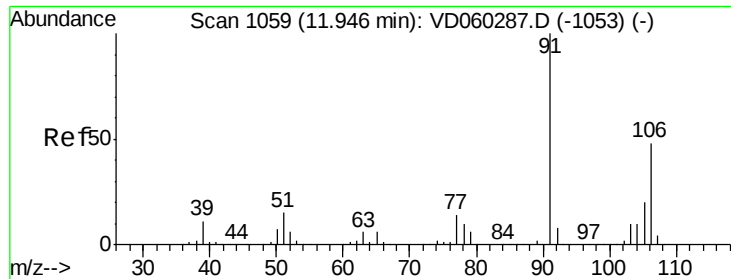
Tot Ion: 91 Resp: 3403025
Ion Ratio Lower Upper
91 100
106 30.8 24.6 36.8



#68
m/p-Xylenes
Concen: 107.628 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VD060480.D
Acq: 4 Dec 2018 10:30

Tgt Ion: 106 Resp: 2433978
Ion Ratio Lower Upper
106 100
91 201.6 159.4 239.2

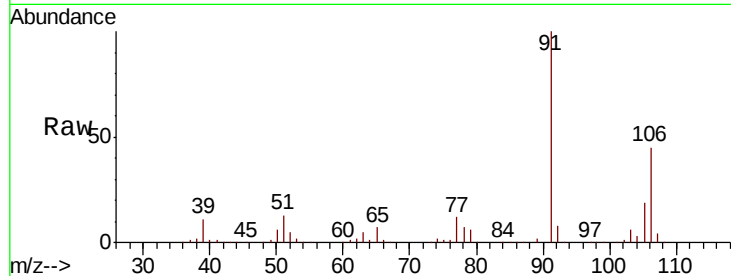




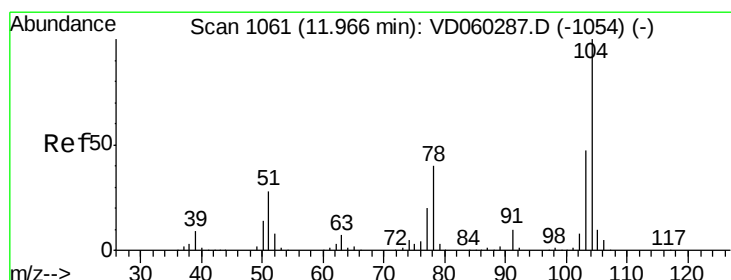
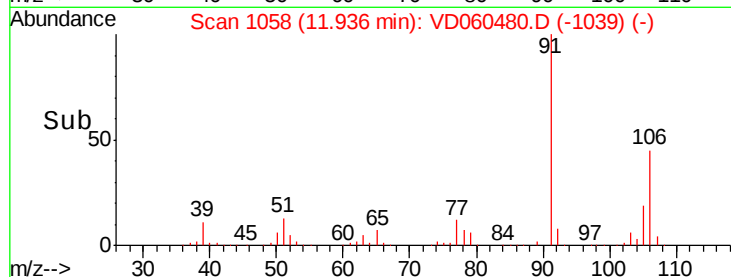
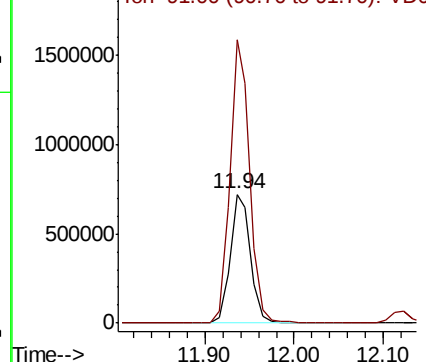
#69
o-Xylene
Concen: 52.875 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060480.D
Acq: 4 Dec 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1155207
Ion Ratio Lower Upper
106 100
91 219.9 109.2 327.6

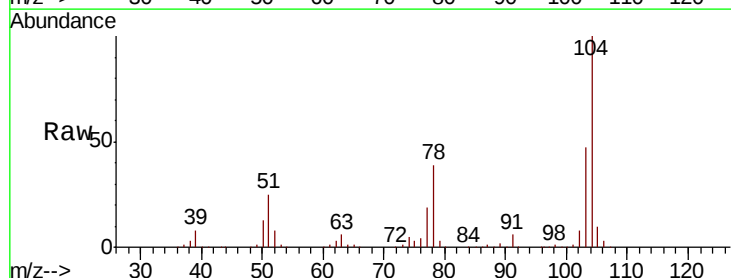


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

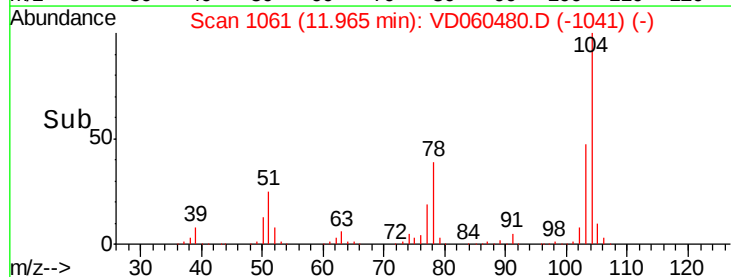
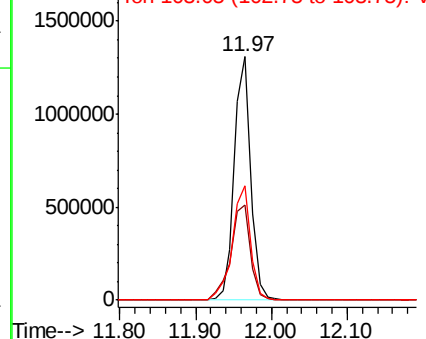


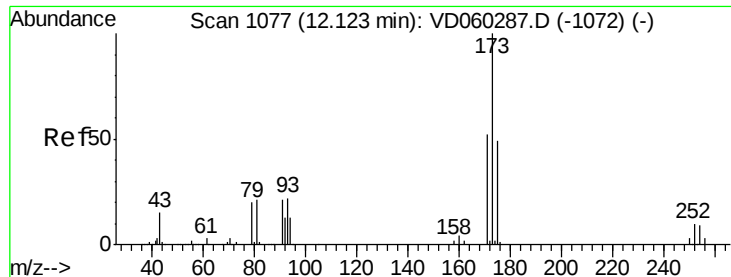
#70
Styrene
Concen: 55.100 ug/l
RT: 11.97 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VD060480.D
Acq: 4 Dec 2018 10:30

Tgt Ion:104 Resp: 1945501
Ion Ratio Lower Upper
104 100
78 39.0 31.6 47.4
103 46.9 37.0 55.6



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

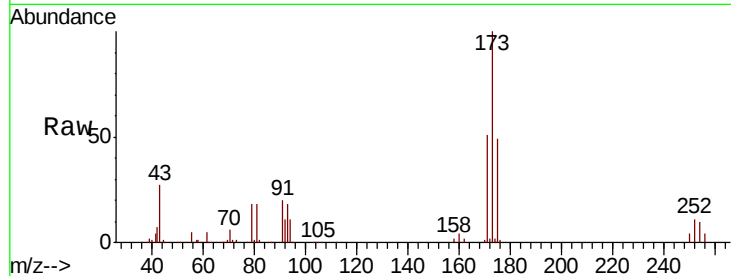




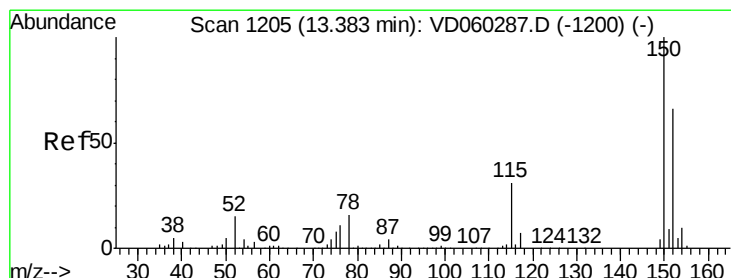
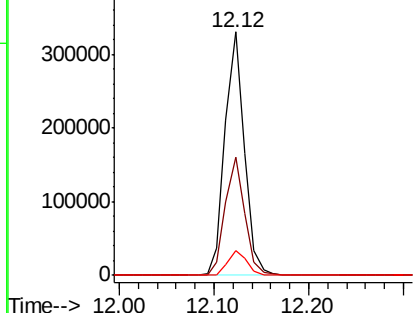
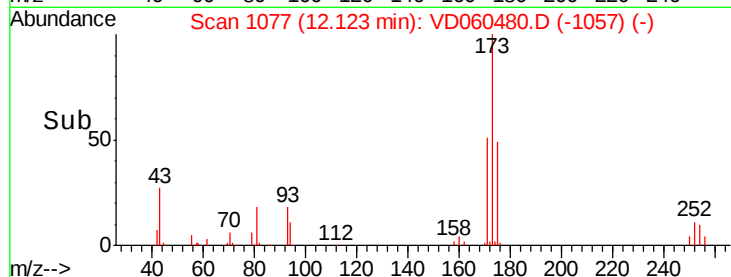
#71
Bromoform
Concen: 59.523 ug/l
RT: 12.12 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VD060480.D
Acq: 4 Dec 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 469011
Ion Ratio Lower Upper
173 100
175 48.7 24.3 73.0
254 10.3 8.3 12.5

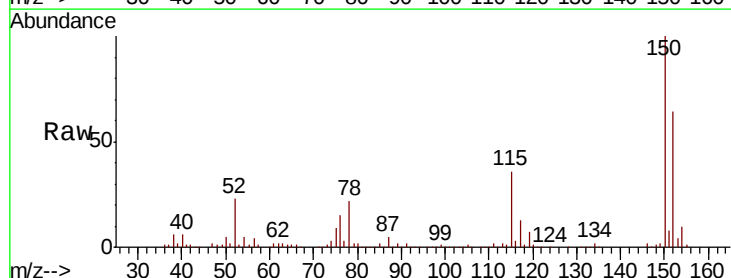


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

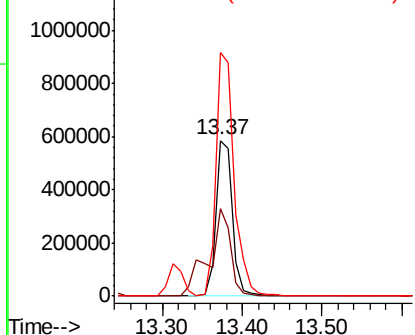
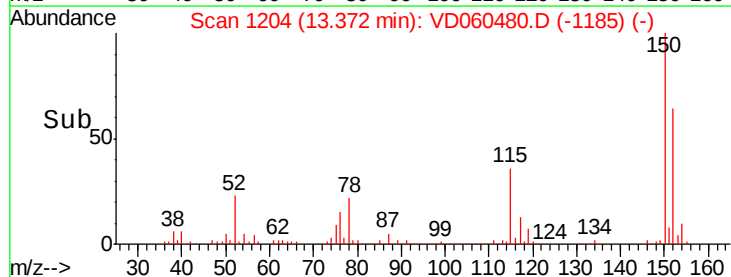


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060480.D
Acq: 4 Dec 2018 10:30

Tgt Ion:152 Resp: 852373
Ion Ratio Lower Upper
152 100
115 56.6 24.1 72.3
150 156.5 0.0 310.6



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





#73

Isopropylbenzene

Concen: 53.954 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

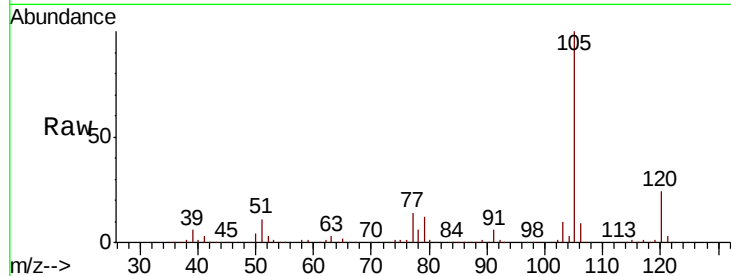
VSTDCCC050

Tot Ion:105 Resp: 3350648

Ion Ratio Lower Upper

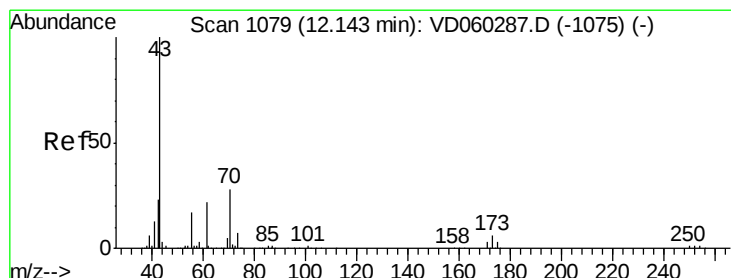
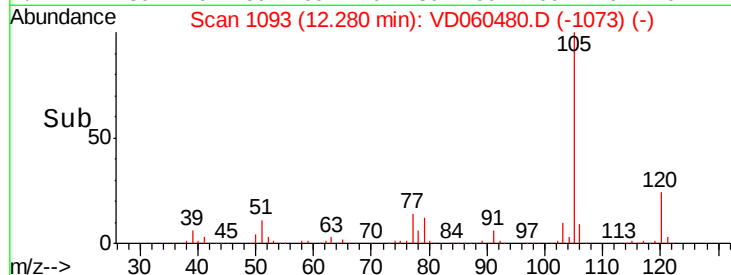
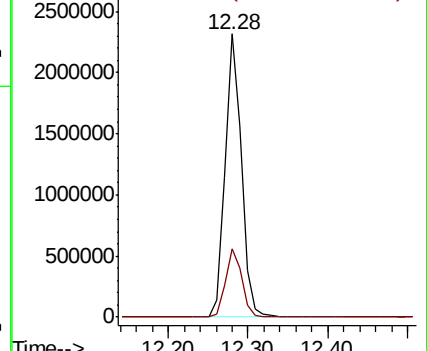
105 100

120 24.3 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 53.595 ug/l

RT: 12.14 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

Tgt Ion: 43 Resp: 853310

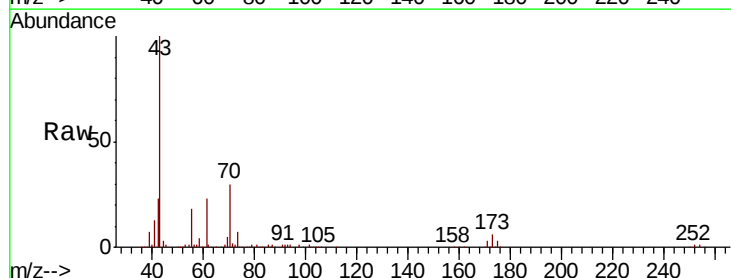
Ion Ratio Lower Upper

43 100

70 29.8 23.0 34.4

55 17.9 14.2 21.4

61 23.4 17.8 26.8

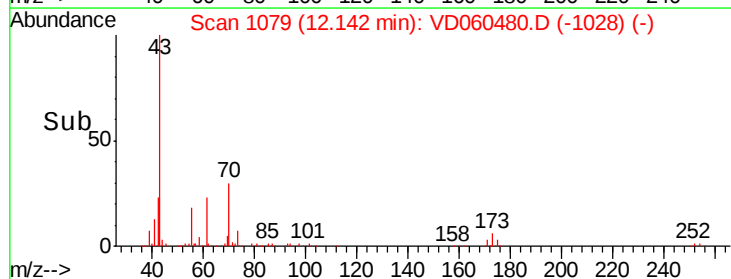
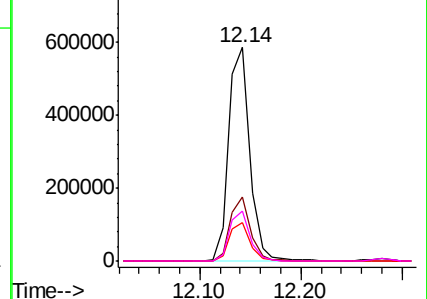


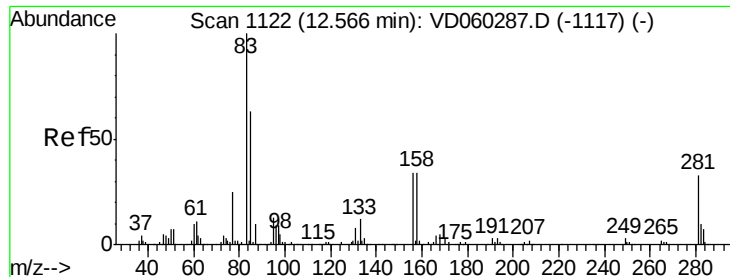
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 54.700 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

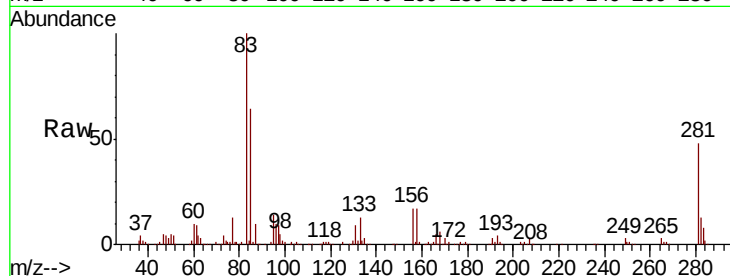
Tot Ion: 83 Resp: 555549

Ion Ratio Lower Upper

83 100

131 8.9 3.9 11.5

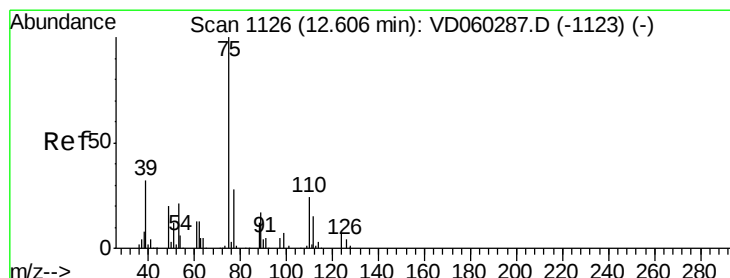
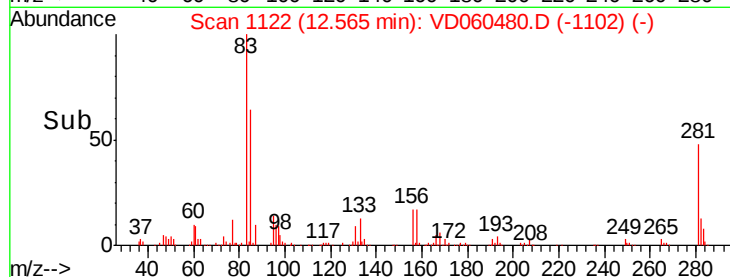
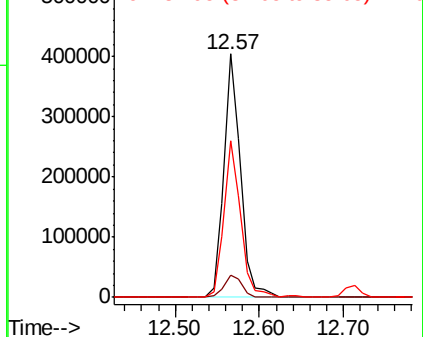
85 64.1 32.0 96.0



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: 54.732 ug/l

RT: 12.60 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VD060480.D

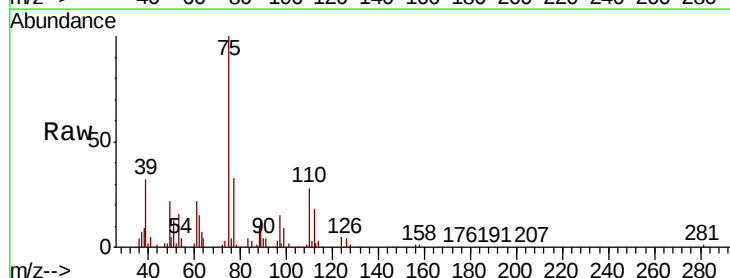
Acq: 4 Dec 2018 10:30

Tgt Ion: 75 Resp: 558066

Ion Ratio Lower Upper

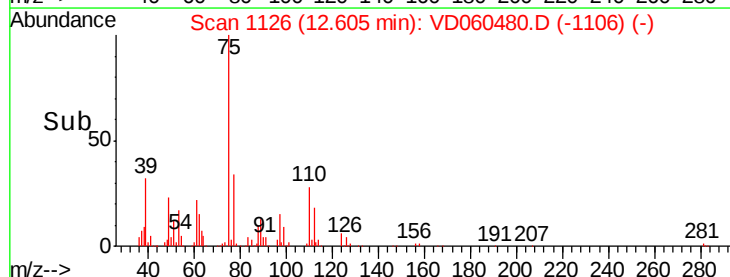
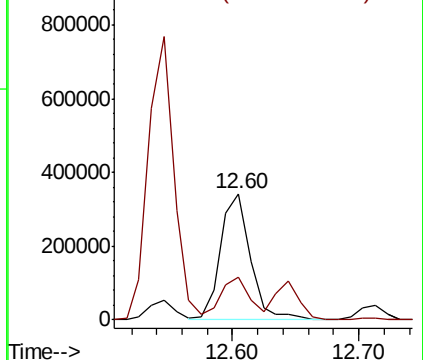
75 100

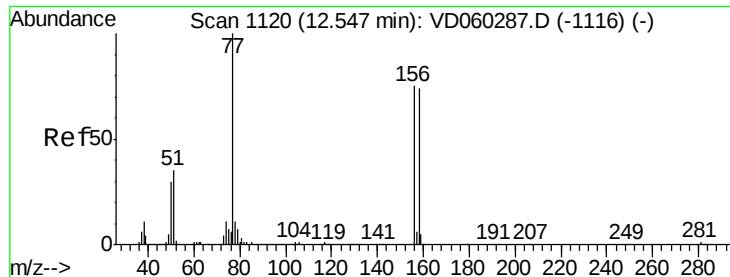
77 33.4 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

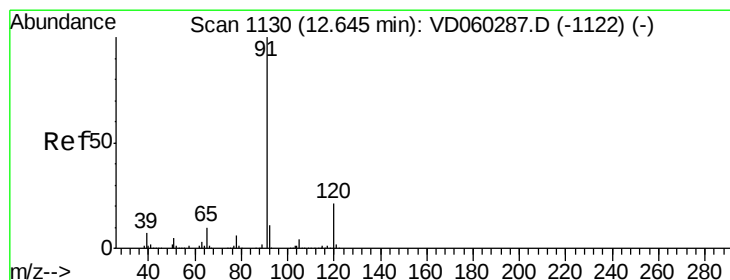
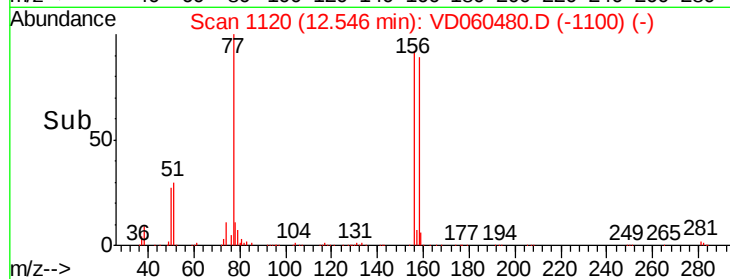
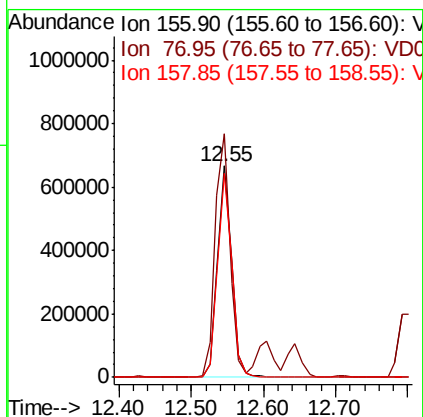
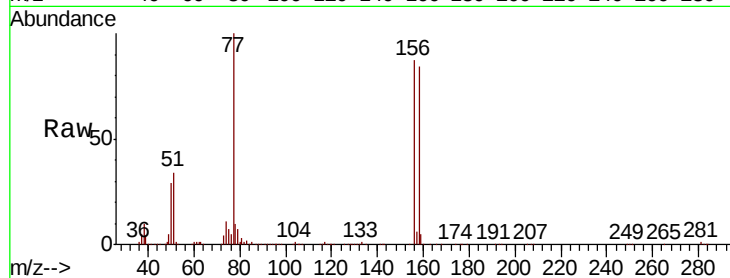




#77
Bromobenzene
Concen: 54.115 ug/l
RT: 12.55 min Scan# 1120
Delta R.T. -0.00 min
Lab File: VD060480.D
Acq: 4 Dec 2018 10:30

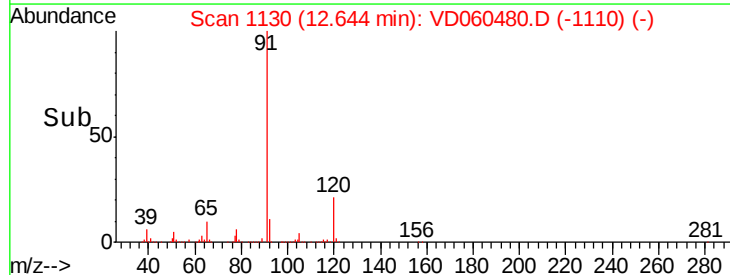
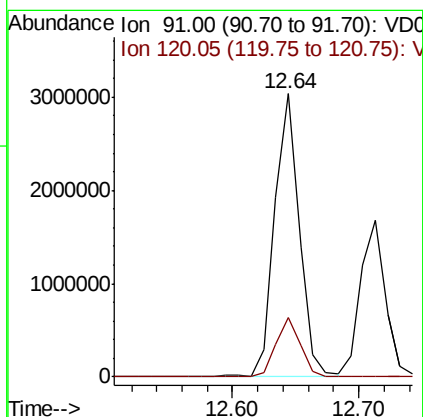
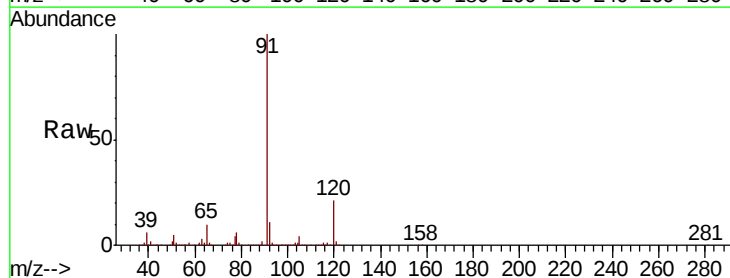
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

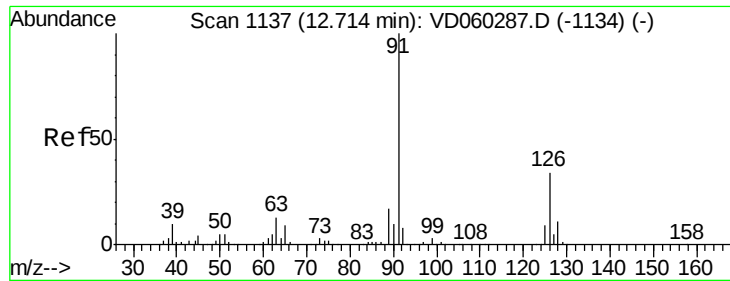
Tot Ion:156 Resp: 892668
Ion Ratio Lower Upper
156 100
77 115.3 61.2 183.6
158 96.8 49.2 147.6



#78
n-propylbenzene
Concen: 53.408 ug/l
RT: 12.64 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VD060480.D
Acq: 4 Dec 2018 10:30

Tgt Ion: 91 Resp: 4139930
Ion Ratio Lower Upper
91 100
120 21.1 10.4 31.4

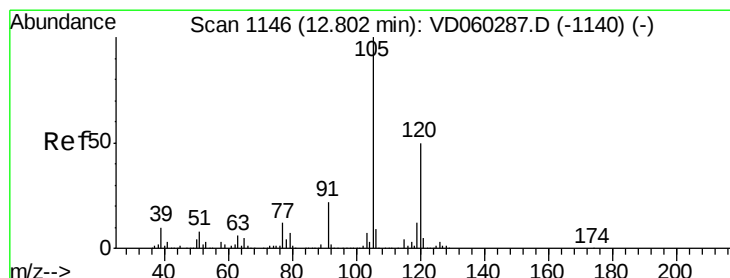
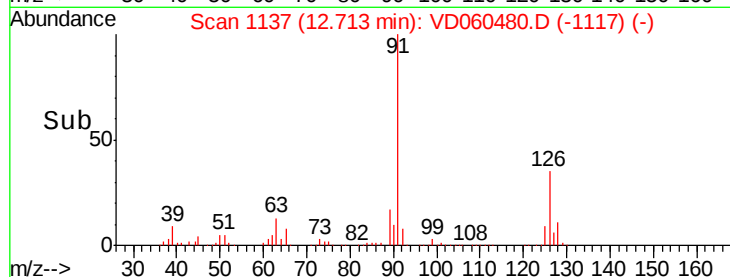
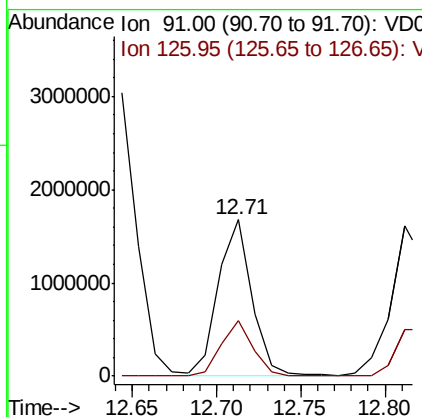
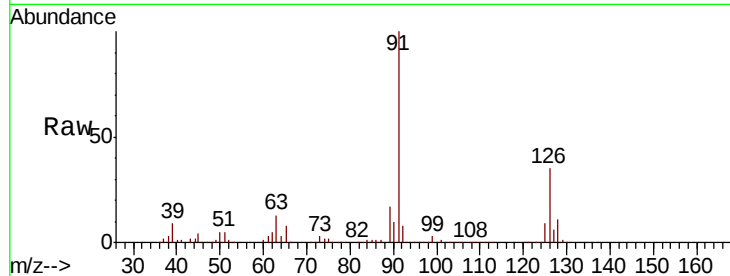




#79
 2-Chlorotoluene
 Concen: 54.367 ug/l
 RT: 12.71 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VD060480.D
 Acq: 4 Dec 2018 10:30

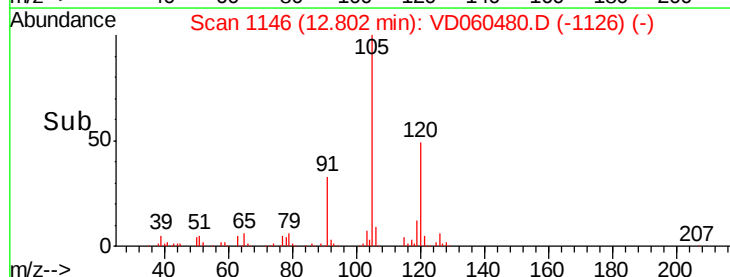
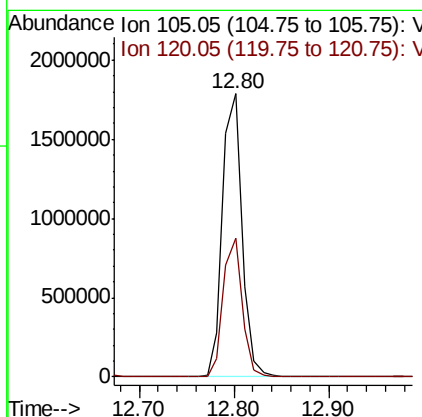
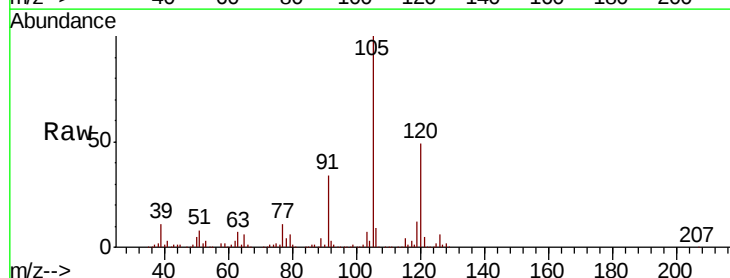
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

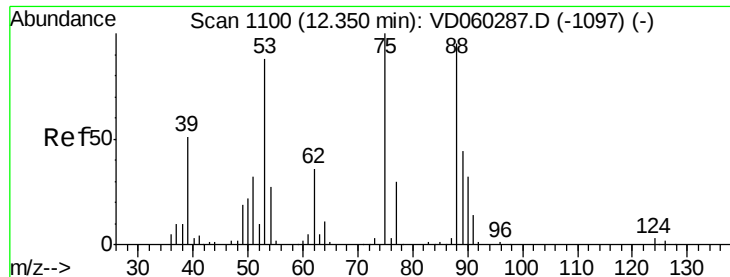
Tot Ion: 91 Resp: 2308114
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.4 52.2



#80
 1,3,5-Trimethylbenzene
 Concen: 52.812 ug/l
 RT: 12.80 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VD060480.D
 Acq: 4 Dec 2018 10:30

Tgt Ion:105 Resp: 2548840
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 57.488 ug/l

RT: 12.35 min Scan# 1100

Delta R.T. -0.00 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

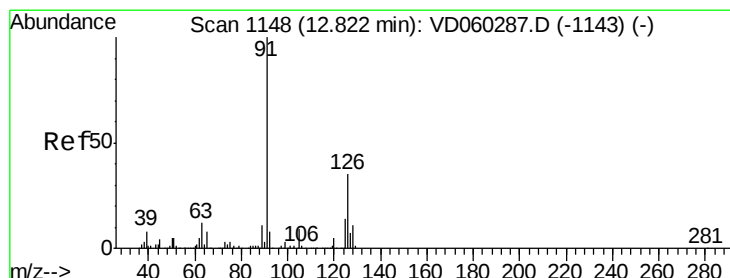
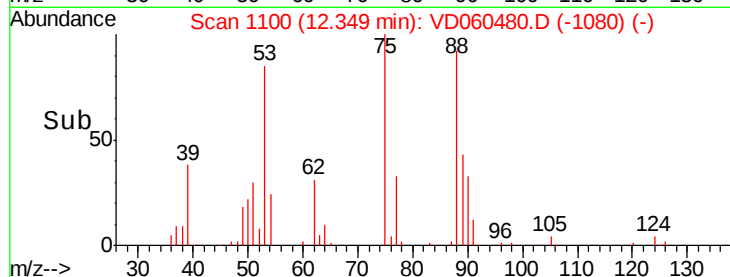
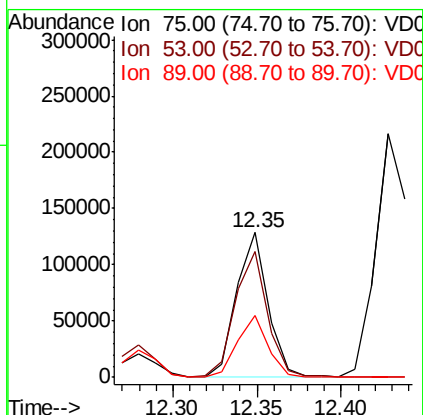
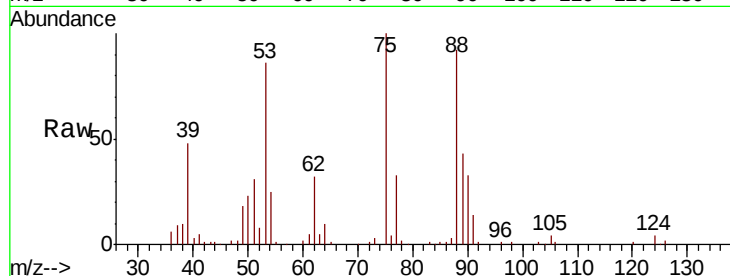
Tot Ion: 75 Resp: 166881

Ion Ratio Lower Upper

75 100

53 86.5 68.6 103.0

89 42.8 34.1 51.1



#82

4-Chlorotoluene

Concen: 51.941 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VD060480.D

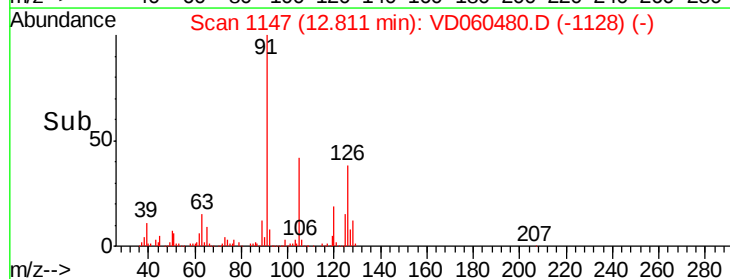
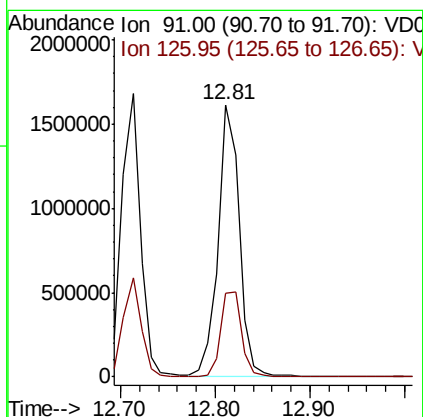
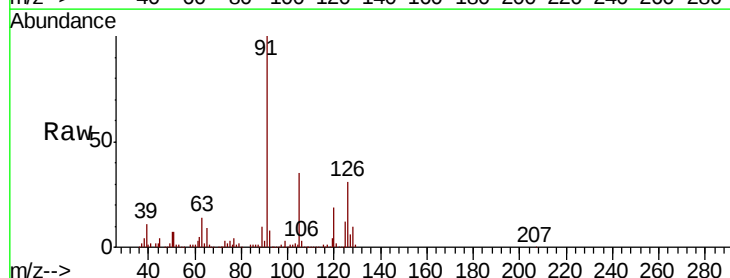
Acq: 4 Dec 2018 10:30

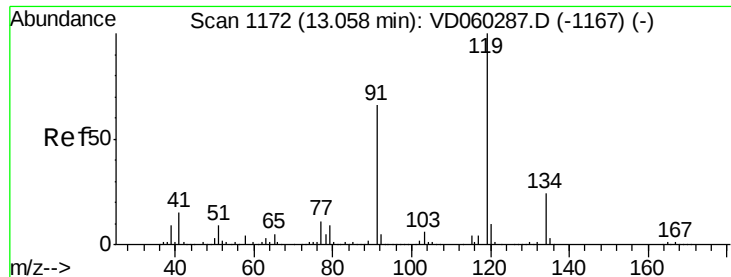
Tgt Ion: 91 Resp: 2477044

Ion Ratio Lower Upper

91 100

126 31.0 14.8 44.4

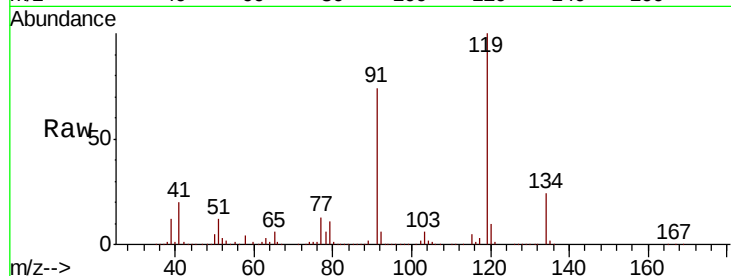




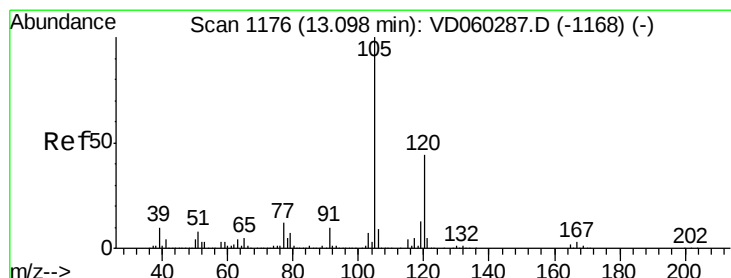
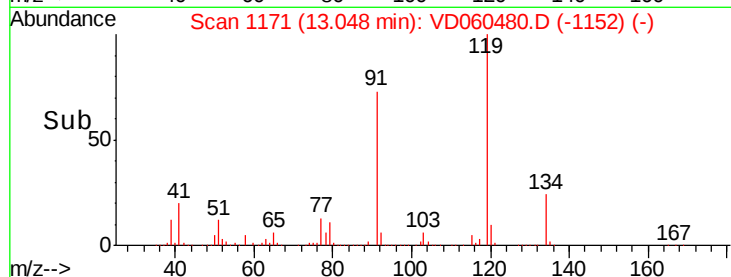
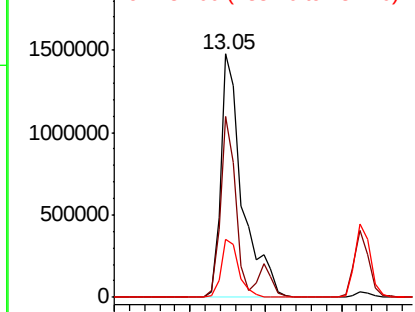
#83
tert-Butylbenzene
Concen: 54.906 ug/l
RT: 13.05 min Scan# 1171
Delta R.T. -0.01 min
Lab File: VD060480.D
Acq: 4 Dec 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 2941957
Ion Ratio Lower Upper
119 100
91 74.1 32.7 98.1
134 23.6 12.1 36.3

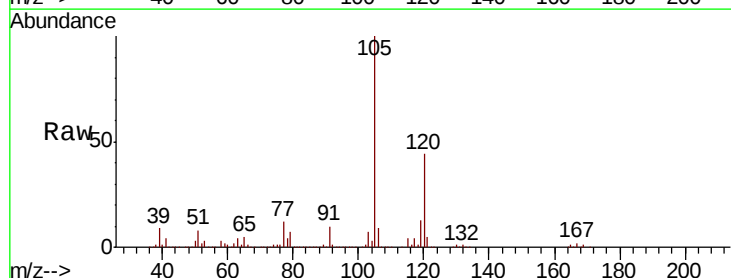


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

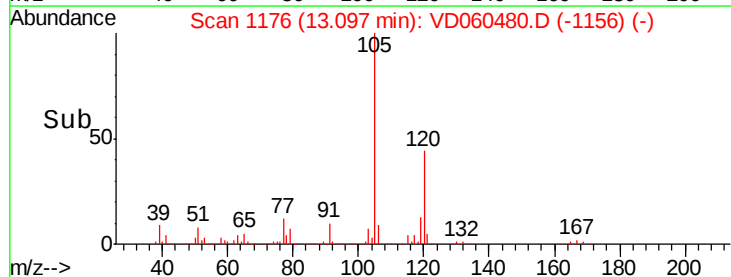
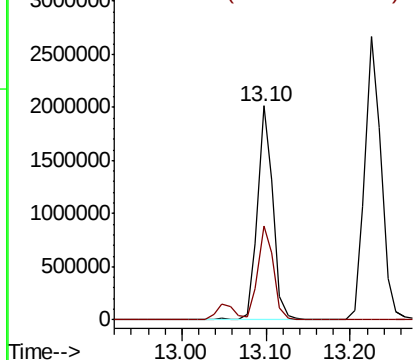


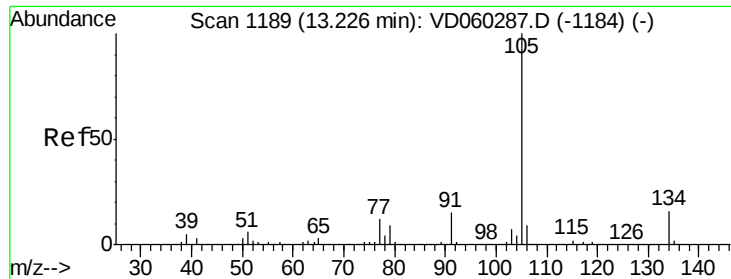
#84
1,2,4-Trimethylbenzene
Concen: 54.003 ug/l
RT: 13.10 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VD060480.D
Acq: 4 Dec 2018 10:30

Tgt Ion:105 Resp: 2602952
Ion Ratio Lower Upper
105 100
120 43.7 21.9 65.8



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





#85

sec-Butylbenzene

Concen: 55.121 ug/l

RT: 13.22 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

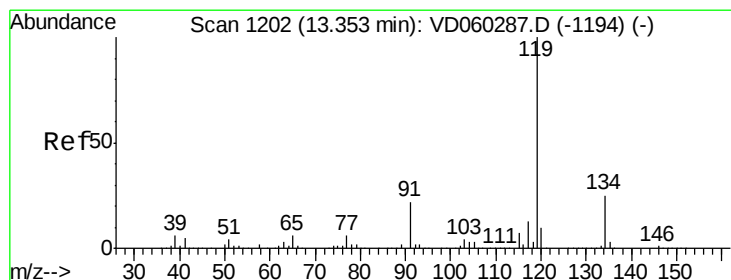
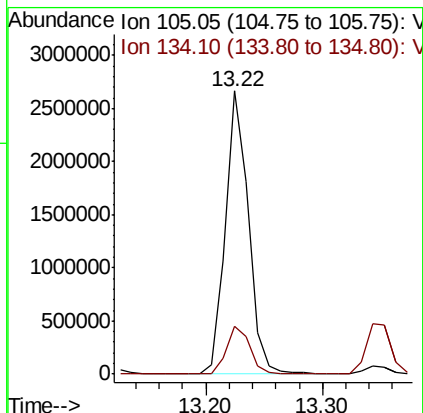
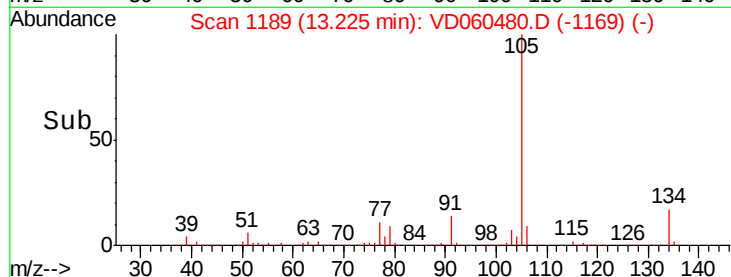
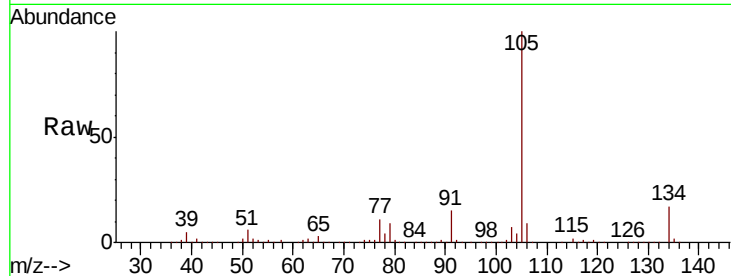
VSTDCCC050

Tot Ion:105 Resp: 3623570

Ion Ratio Lower Upper

105 100

134 16.8 8.0 24.0



#86

p-Isopropyltoluene

Concen: 54.192 ug/l

RT: 13.34 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

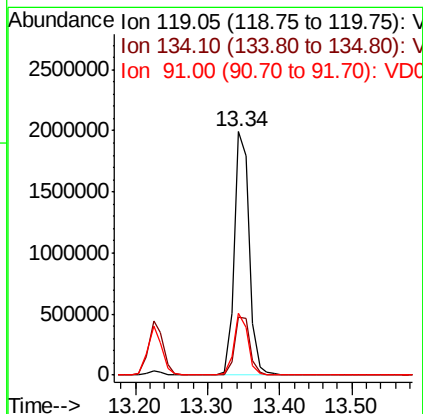
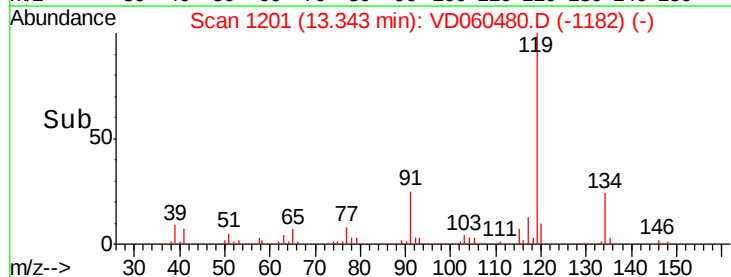
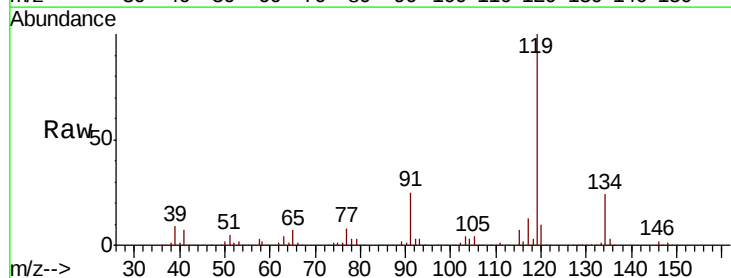
Tgt Ion:119 Resp: 2868878

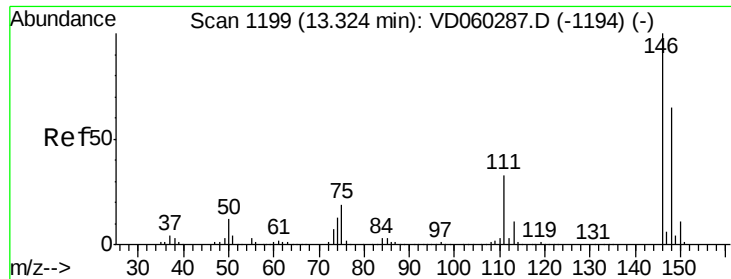
Ion Ratio Lower Upper

119 100

134 23.7 12.9 38.6

91 25.2 11.3 33.8

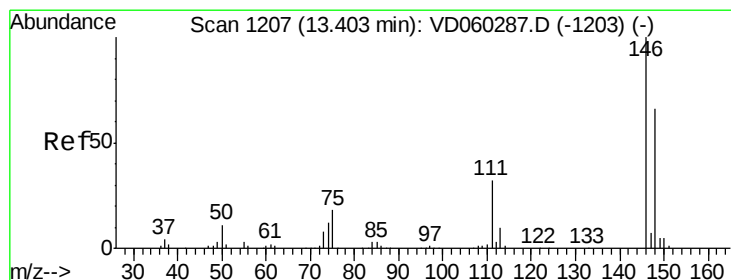
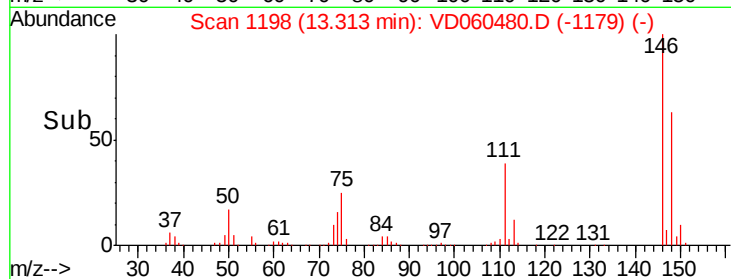
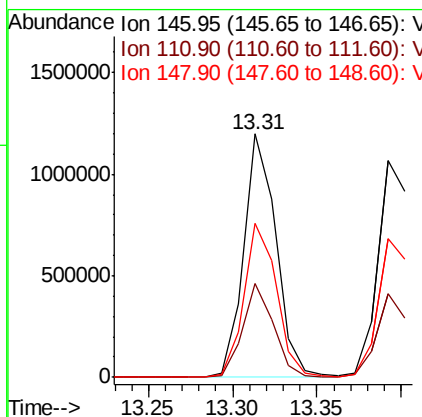
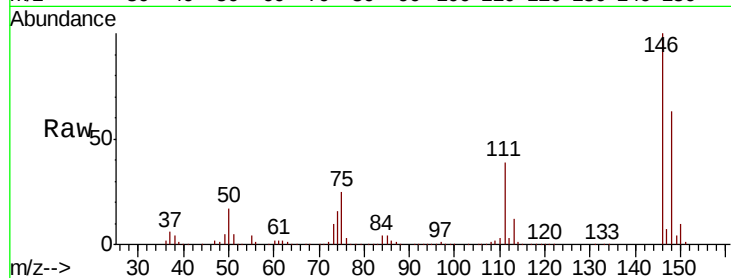




#87
 1,3-Dichlorobenzene
 Concen: 54.364 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060480.D
 Acq: 4 Dec 2018 10:30

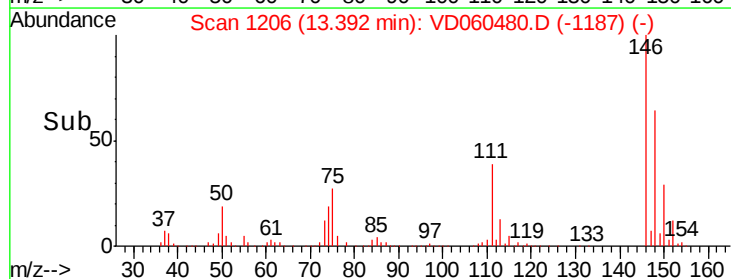
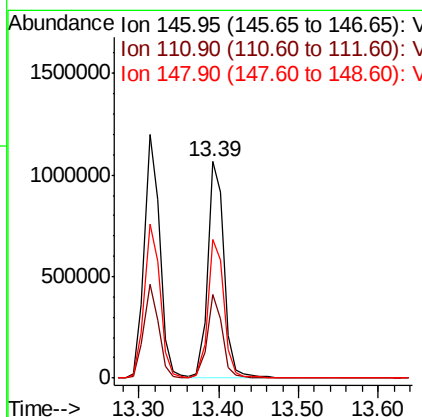
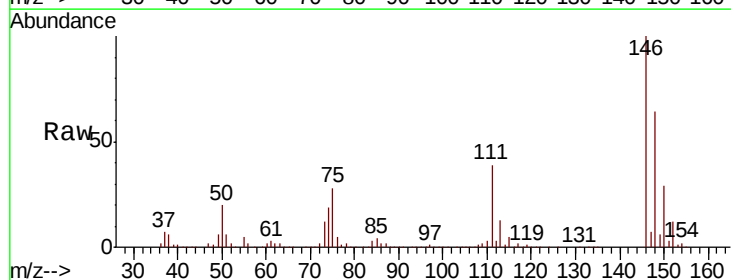
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

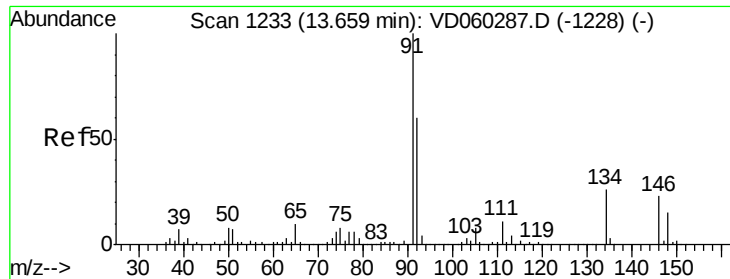
Tot Ion:146 Resp: 1595501
 Ion Ratio Lower Upper
 146 100
 111 38.6 20.2 60.5
 148 63.3 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 53.033 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060480.D
 Acq: 4 Dec 2018 10:30

Tgt Ion:146 Resp: 1520063
 Ion Ratio Lower Upper
 146 100
 111 38.8 16.0 47.9
 148 64.0 32.9 98.7

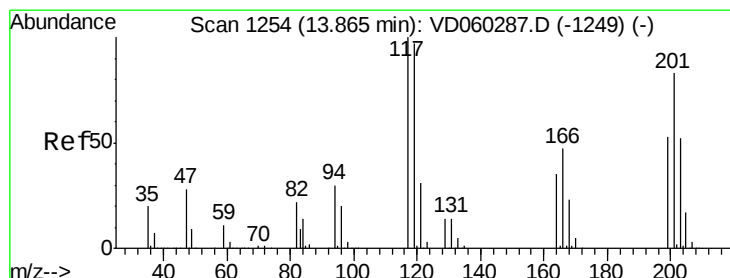
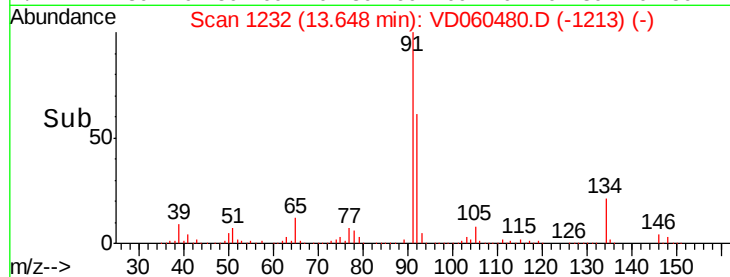
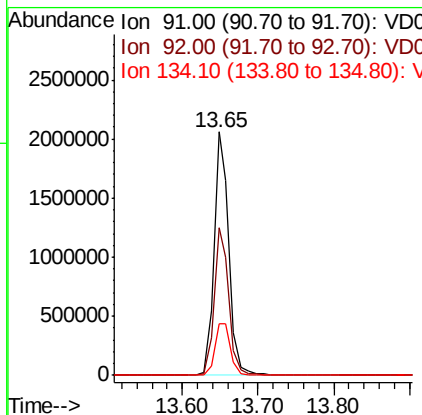
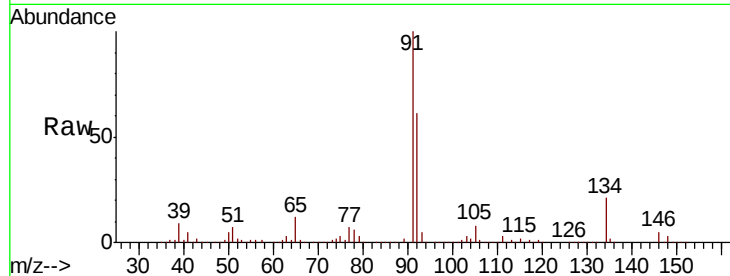




#89
n-Butylbenzene
Concen: 56.232 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060480.D
Acq: 4 Dec 2018 10:30

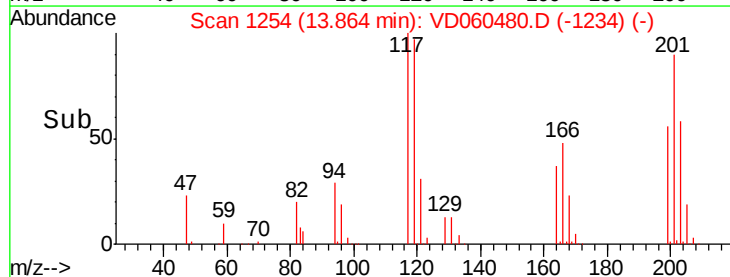
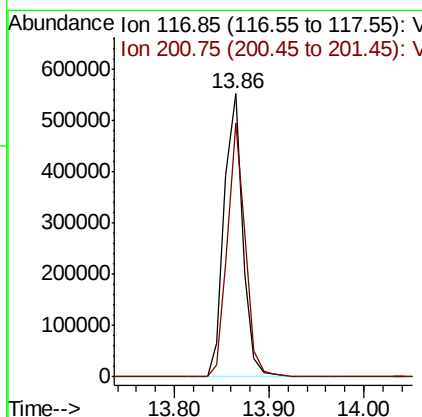
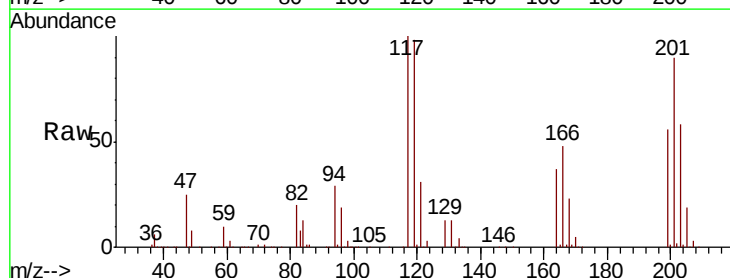
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

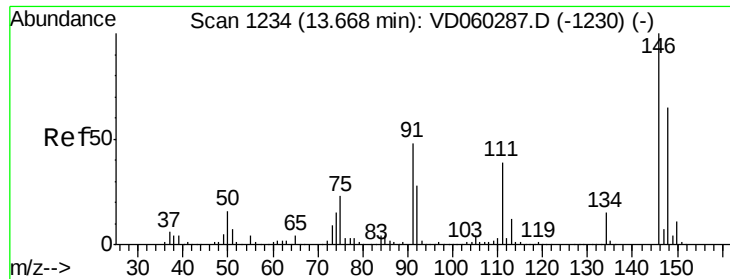
Tot Ion: 91 Resp: 2832733
Ion Ratio Lower Upper
91 100
92 60.6 30.3 90.9
134 21.4 13.0 38.9



#90
Hexachloroethane
Concen: 59.921 ug/l
RT: 13.86 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VD060480.D
Acq: 4 Dec 2018 10:30

Tgt Ion: 117 Resp: 752196
Ion Ratio Lower Upper
117 100
201 89.8 40.1 120.3

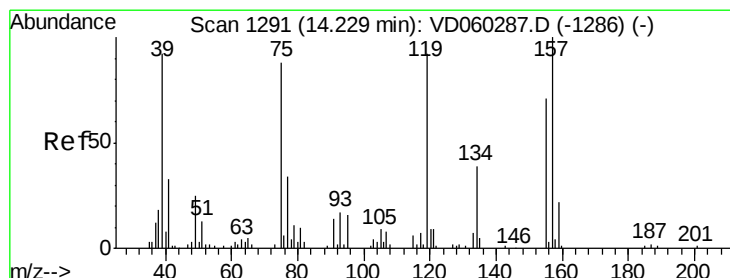
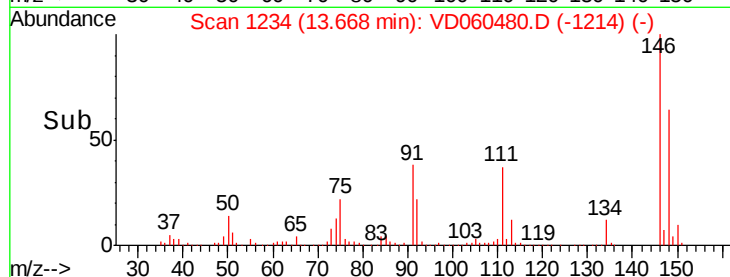
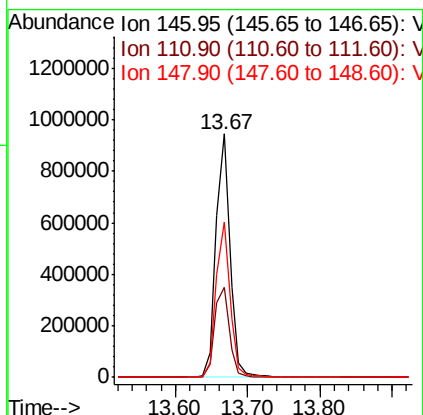
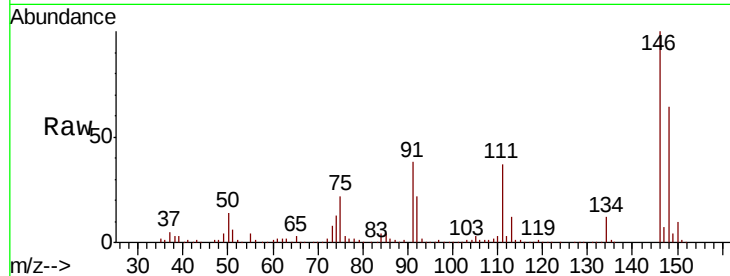




#91
 1,2-Dichlorobenzene
 Concen: 52.046 ug/l
 RT: 13.67 min Scan# 1234
 Delta R.T. -0.00 min
 Lab File: VD060480.D
 Acq: 4 Dec 2018 10:30

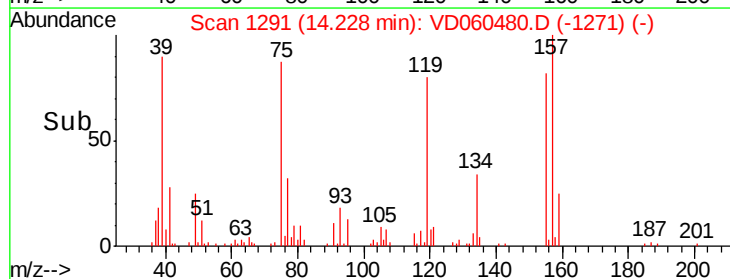
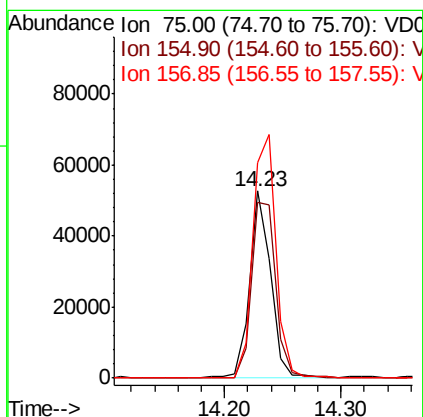
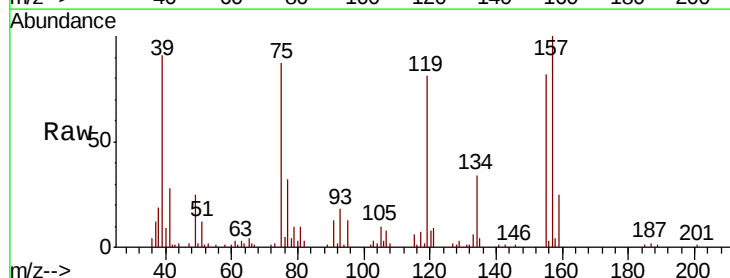
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

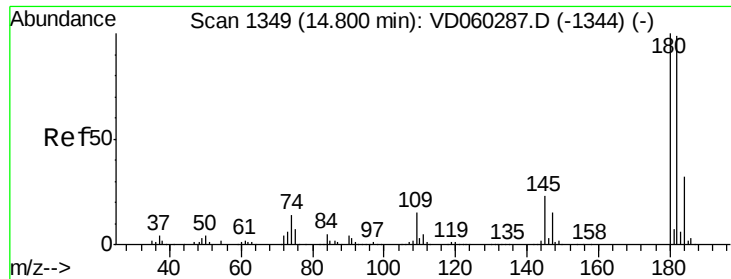
Tot Ion:146 Resp: 1254638
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.9 56.9
 148 64.0 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.677 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD060480.D
 Acq: 4 Dec 2018 10:30

Tgt Ion: 75 Resp: 65808
 Ion Ratio Lower Upper
 75 100
 155 94.3 64.3 192.9
 157 115.2 81.0 243.1

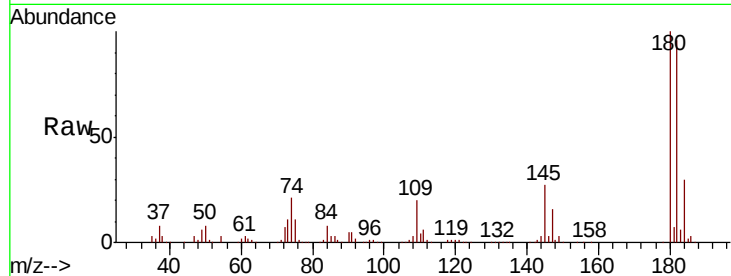




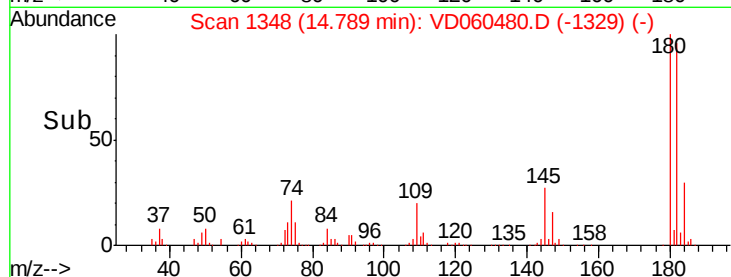
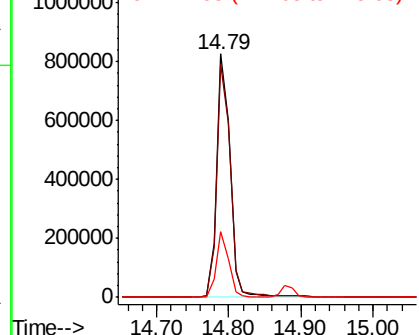
#93
 1,2,4-Trichlorobenzene
 Concen: 55.491 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060480.D
 Acq: 4 Dec 2018 10:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 1060599
 Ion Ratio Lower Upper
 180 100
 182 96.1 48.1 144.4
 145 26.9 11.5 34.4

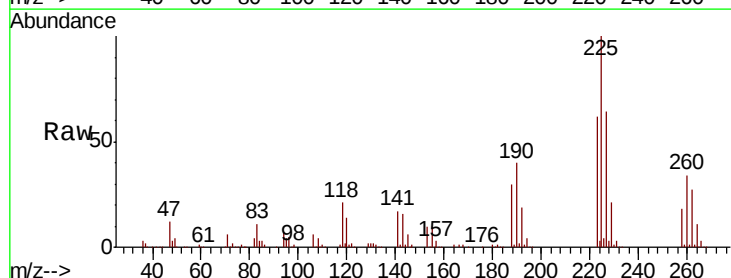


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

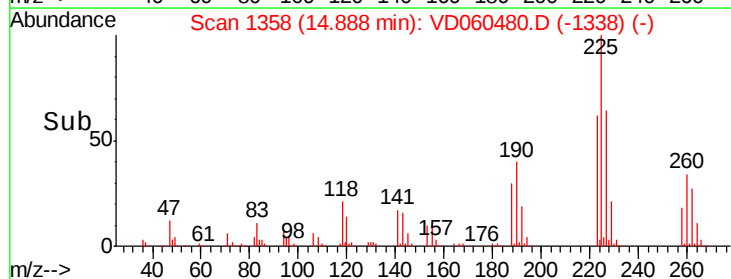
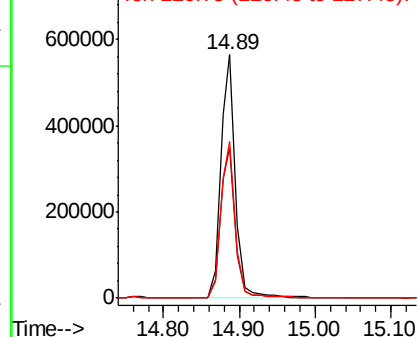


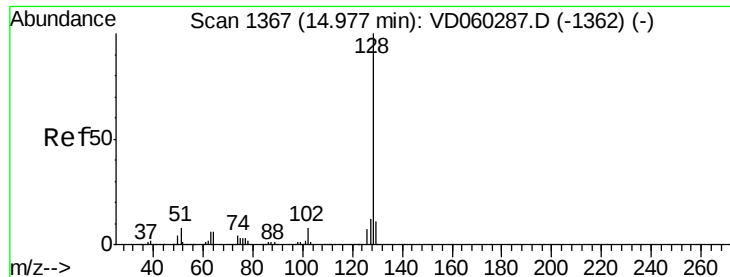
#94
 Hexachlorobutadiene
 Concen: 54.045 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VD060480.D
 Acq: 4 Dec 2018 10:30

Tgt Ion:225 Resp: 772615
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.6 94.8
 227 64.2 32.3 96.9



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: 54.545 ug/l

RT: 14.98 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

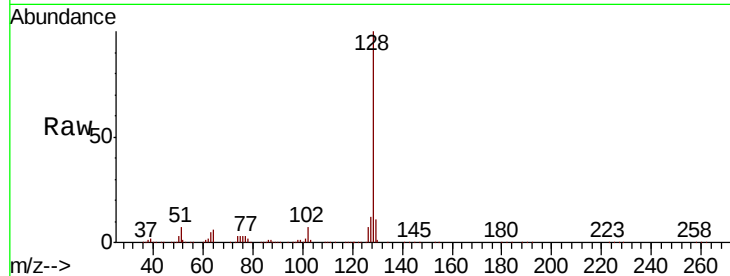
Tot Ion:128 Resp: 1272978

Ion Ratio Lower Upper

128 100

127 12.0 9.6 14.4

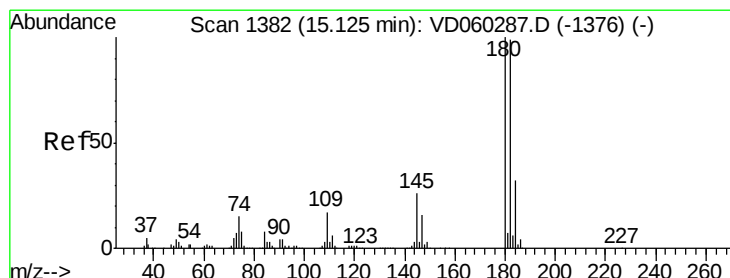
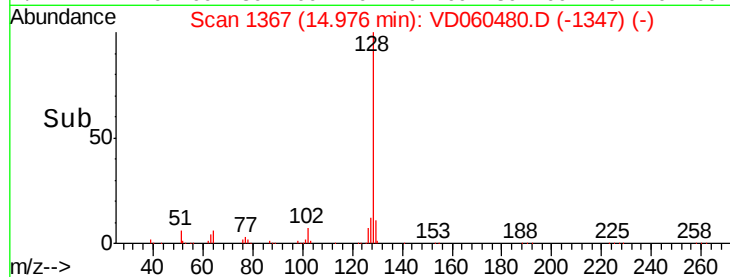
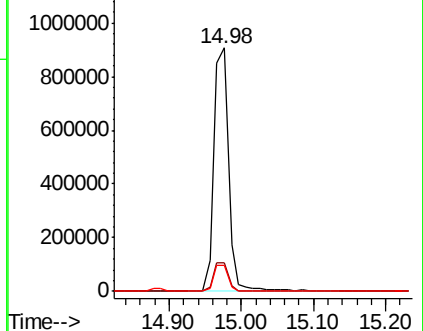
129 10.7 8.6 12.8



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: 54.211 ug/l

RT: 15.11 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VD060480.D

Acq: 4 Dec 2018 10:30

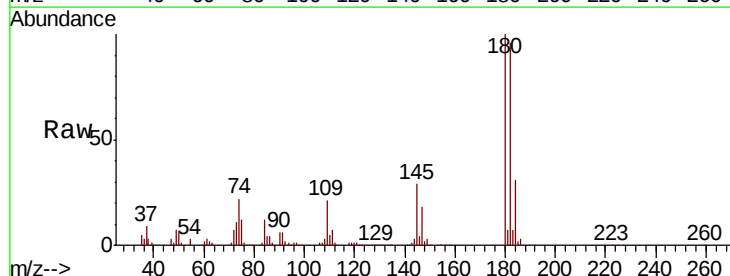
Tgt Ion:180 Resp: 830273

Ion Ratio Lower Upper

180 100

182 95.9 48.9 146.7

145 29.2 12.9 38.6



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

