

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112618\
 Data File : VD060448.D
 Acq On : 26 Nov 2018 10:41
 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: Nov 26 14:45:09 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	6.43	168	1480306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	2076296	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.30	117	1635243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	809320	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.81	65	507363	47.87	ug/l	0.01
Spiked Amount	50.000		Recovery	=	95.74%	
35) Dibromofluoromethane	6.35	113	762420	49.24	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.48%	
50) Toluene-d8	9.47	98	2173731	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
62) 4-Bromofluorobenzene	12.43	95	783657	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.62	85	600959	51.934	ug/l	99
3) Chloromethane	1.78	50	634047	45.218	ug/l	100
4) Vinyl Chloride	1.88	62	550837	48.103	ug/l	99
5) Bromomethane	2.18	94	143769	52.918	ug/l	99
6) Chloroethane	2.29	64	186242	49.016	ug/l	99
7) Trichlorofluoromethane	2.54	101	695087	51.485	ug/l	99
8) Diethyl Ether	2.86	74	125329	51.273	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.12	101	458876	51.676	ug/l	98
10) Methyl Iodide	3.28	142	513412	44.516	ug/l	99
11) Tert butyl alcohol	4.00	59	133828	307.479	ug/l #	90
12) 1,1-Dichloroethene	3.10	96	362186	50.144	ug/l	97
13) Acrolein	3.01	56	101293	196.958	ug/l	99
14) Allyl chloride	3.56	41	727808	52.662	ug/l	96
15) Acrylonitrile	4.12	53	692594	272.879	ug/l	99
16) Acetone	3.18	43	544897	296.373	ug/l	99
17) Carbon Disulfide	3.35	76	1072040	45.983	ug/l	98
18) Methyl Acetate	3.58	43	223831	57.097	ug/l	98
19) Methyl tert-butyl Ether	4.15	73	1182600	54.679	ug/l	98
20) Methylene Chloride	3.75	84	842320	51.646	ug/l	98
21) trans-1,2-Dichloroethene	4.14	96	859898	53.618	ug/l	97
22) Diisopropyl ether	4.88	45	2875845	55.698	ug/l	96
23) Vinyl Acetate	4.83	43	6990677	272.097	ug/l	99
24) 1,1-Dichloroethane	4.78	63	1485105	56.089	ug/l	100
25) 2-Butanone	5.64	43	1065870	278.911	ug/l	100
26) 2,2-Dichloropropane	5.61	77	1185378	57.584	ug/l	99
27) cis-1,2-Dichloroethene	5.62	96	918519	54.976	ug/l	97
28) Bromochloromethane	5.96	49	623426	53.363	ug/l	90
29) Tetrahydrofuran	5.98	42	541415	268.716	ug/l	99
30) Chloroform	6.12	83	1479838	55.907	ug/l	100
31) Cyclohexane	6.39	56	1244543	49.178	ug/l	98
32) 1,1,1-Trichloroethane	6.32	97	1245074	55.842	ug/l	98
36) 1,1-Dichloropropene	6.55	75	1079316	52.617	ug/l	98
37) Ethyl Acetate	5.72	43	509014	53.926	ug/l	98
38) Carbon Tetrachloride	6.53	117	1034413	54.361	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.06	83	1215610	51.524	ug/l	99
40) Benzene	6.82	78	2832958	54.104	ug/l	98
41) Methacrylonitrile	5.95	41	577270	53.433	ug/l #	78
42) 1,2-Dichloroethane	6.92	62	757090	55.241	ug/l	98
43) Isopropyl Acetate	8.37	43	639560	53.940	ug/l #	99
44) Trichloroethene	7.76	130	872863	54.992	ug/l	94
45) 1,2-Dichloropropane	8.12	63	737961	55.882	ug/l	99
46) Dibromomethane	8.24	93	424643	54.904	ug/l	97
47) Bromodichloromethane	8.50	83	1014463	55.661	ug/l	99
48) Methyl methacrylate	8.26	41	386416	53.653	ug/l	97
49) 1,4-Dioxane	8.25	88	72939	1170.494	ug/l	88
51) 4-Methyl-2-Pentanone	9.36	43	2007874	260.183	ug/l	97
52) Toluene	9.57	92	1823861	54.529	ug/l	99
53) t-1,3-Dichloropropene	9.93	75	858486	55.748	ug/l	100
54) cis-1,3-Dichloropropene	9.12	75	1095023	55.441	ug/l	96
55) 1,1,2-Trichloroethane	10.20	97	501398	51.721	ug/l	98
56) Ethyl methacrylate	10.05	69	501265	56.237	ug/l	99
57) 1,3-Dichloropropane	10.39	76	787618	53.318	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.94	63	1404912	260.674	ug/l	98
59) 2-Hexanone	10.50	43	1575501	286.439	ug/l	100
60) Dibromochloromethane	10.65	129	668689	56.744	ug/l	100
61) 1,2-Dibromoethane	10.77	107	531790	54.749	ug/l	99
64) Tetrachloroethene	10.27	164	777348	53.249	ug/l	99
65) Chlorobenzene	11.33	112	1954580	55.166	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.43	131	639035	55.124	ug/l	98
67) Ethyl Benzene	11.44	91	3269066	53.936	ug/l	99
68) m/p-Xylenes	11.57	106	2366902	105.864	ug/l	99
69) o-Xylene	11.95	106	1174920	54.395	ug/l	90
70) Styrene	11.97	104	1951634	55.909	ug/l	99
71) Bromoform	12.13	173	453204	58.178	ug/l	97
73) Isopropylbenzene	12.28	105	3330916	56.490	ug/l	100
74) N-amyl acetate	12.15	43	841312	55.652	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.57	83	517353	53.649	ug/l	96
76) 1,2,3-Trichloropropane	12.61	75	525232	54.252	ug/l	97
77) Bromobenzene	12.55	156	846022	54.015	ug/l	99
78) n-propylbenzene	12.65	91	3962657	53.841	ug/l	99
79) 2-Chlorotoluene	12.72	91	2219620	55.064	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	2388029	52.112	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	158543	57.521	ug/l	96
82) 4-Chlorotoluene	12.81	91	2349478	51.887	ug/l	99
83) tert-Butylbenzene	13.06	119	2832218	55.670	ug/l	98
84) 1,2,4-Trimethylbenzene	13.10	105	2596775	56.741	ug/l	99
85) sec-Butylbenzene	13.23	105	3397346	54.429	ug/l	99
86) p-Isopropyltoluene	13.35	119	2756144	54.832	ug/l	96
87) 1,3-Dichlorobenzene	13.32	146	1496796	53.714	ug/l	99
88) 1,4-Dichlorobenzene	13.40	146	1461254	53.693	ug/l	93
89) n-Butylbenzene	13.65	91	2701294	56.537	ug/l	97
90) Hexachloroethane	13.87	117	722091	60.583	ug/l	97
91) 1,2-Dichlorobenzene	13.67	146	1182416	51.660	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	66066	56.755	ug/l	67

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Quant Title : SW846 8260
QLast Update : Mon Nov 19 16:31:59 2018
Response via : Initial Calibration

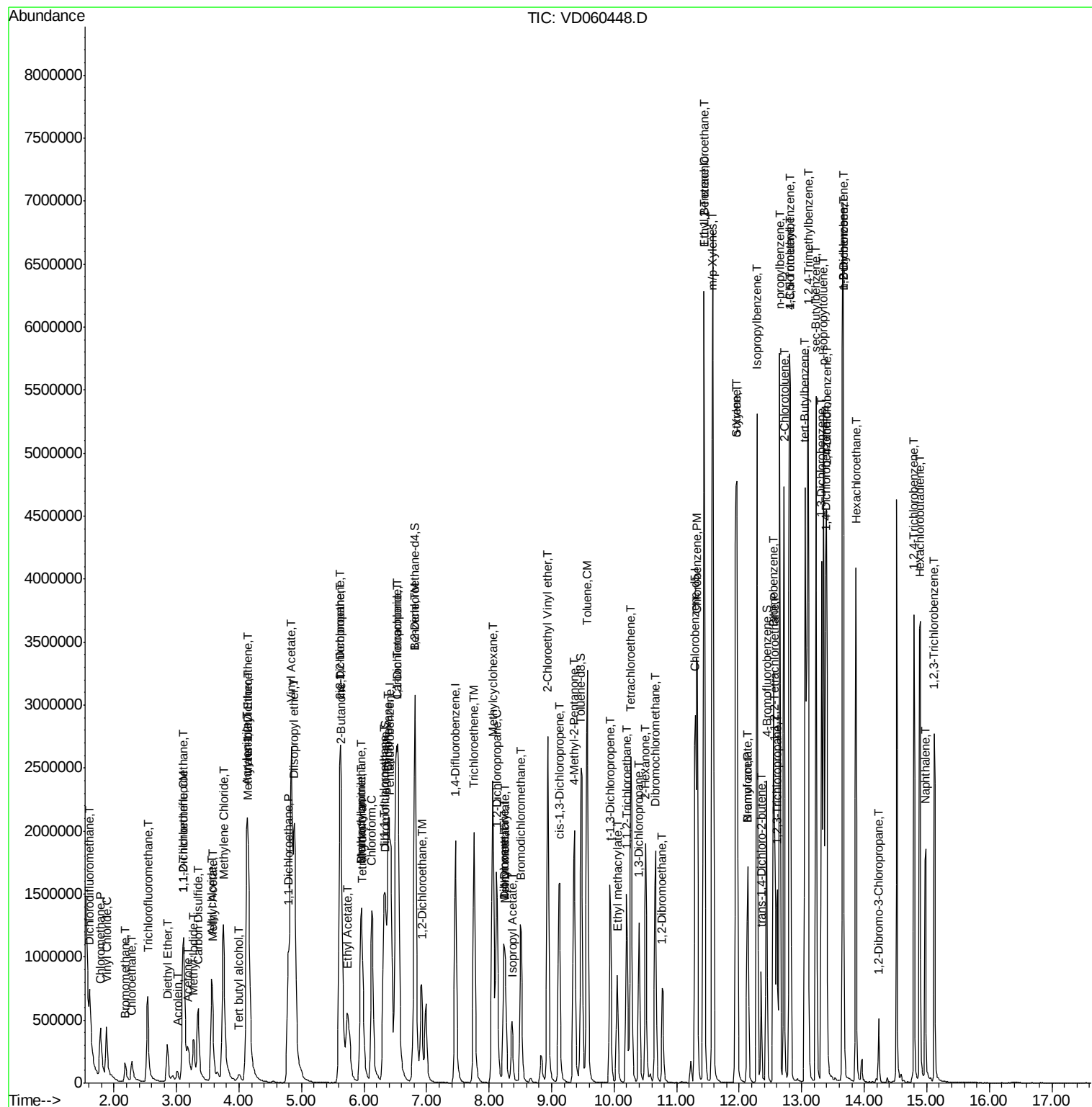
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1036910	57.138	ug/l	98
94) Hexachlorobutadiene	14.89	225	743928	54.806	ug/l	99
95) Naphthalene	14.98	128	1285301	58.003	ug/l	100
96) 1,2,3-Trichlorobenzene	15.13	180	829504	57.042	ug/l	98

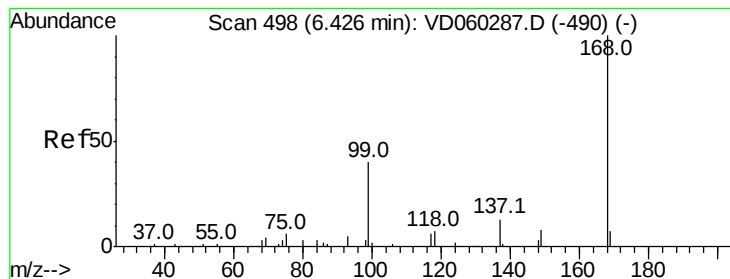
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.43 min Scan# 498

Delta R.T. 0.00 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

Instrument :

MSVOA_D

ClientSampleId :

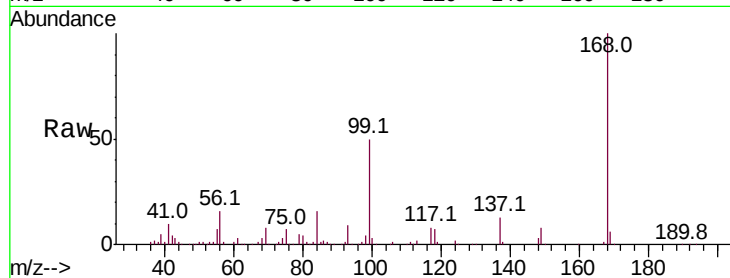
VSTDCCC050

Tot Ion:168 Resp: 1480306

Ion Ratio Lower Upper

168 100

99 49.6 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.43

600000

500000

400000

300000

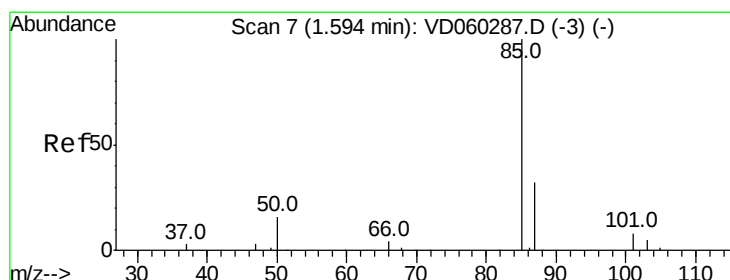
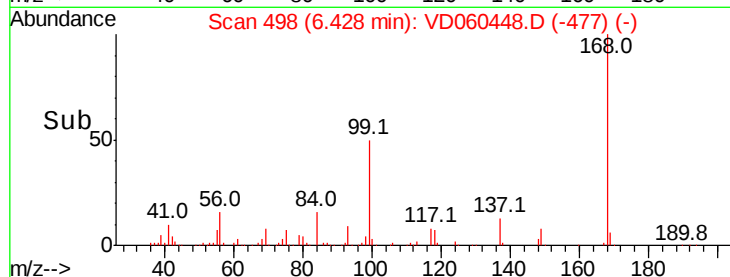
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 51.934 ug/l

RT: 1.62 min Scan# 9

Delta R.T. 0.02 min

Lab File: VD060448.D

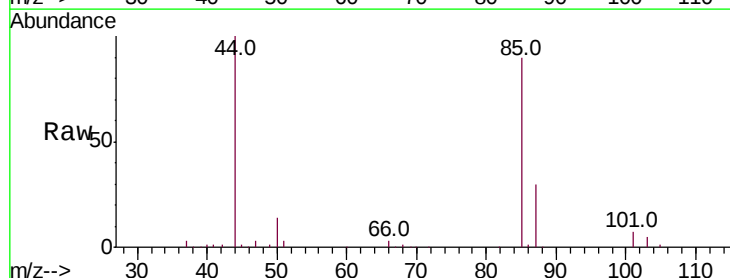
Acq: 26 Nov 2018 10:41

Tgt Ion: 85 Resp: 600959

Ion Ratio Lower Upper

85 100

87 32.9 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.62

250000

200000

150000

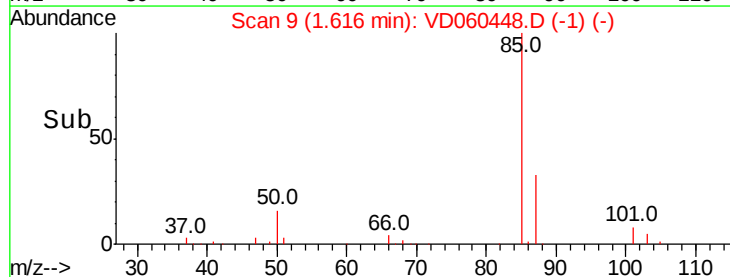
100000

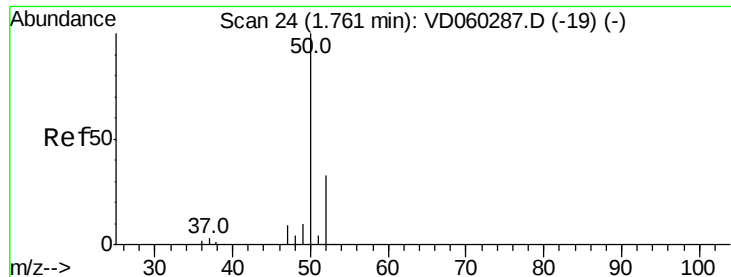
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 45.218 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.02 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

Instrument :

MSVOA_D

ClientSampleId :

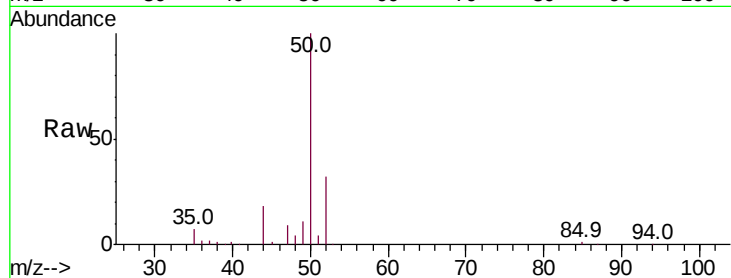
VSTDCCC050

Tot Ion: 50 Resp: 634047

Ion Ratio Lower Upper

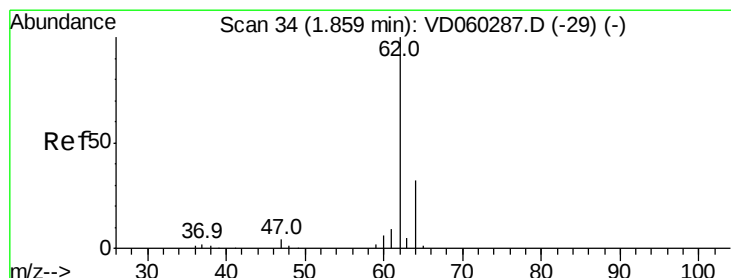
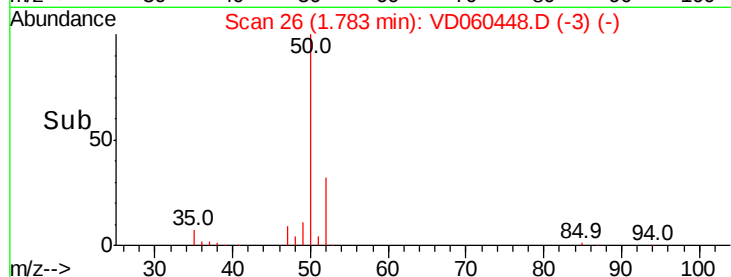
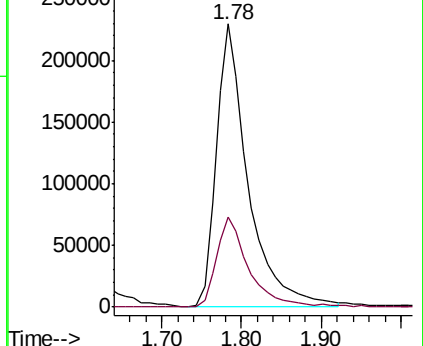
50 100

52 32.0 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.103 ug/l

RT: 1.88 min Scan# 36

Delta R.T. 0.02 min

Lab File: VD060448.D

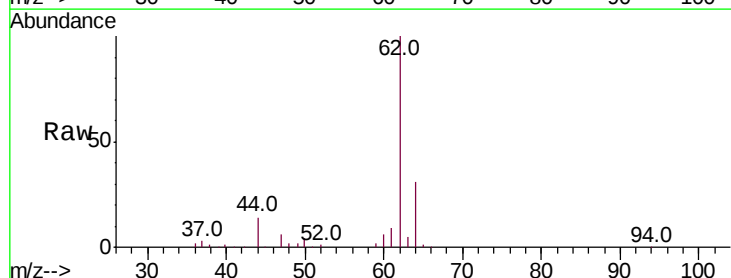
Acq: 26 Nov 2018 10:41

Tgt Ion: 62 Resp: 550837

Ion Ratio Lower Upper

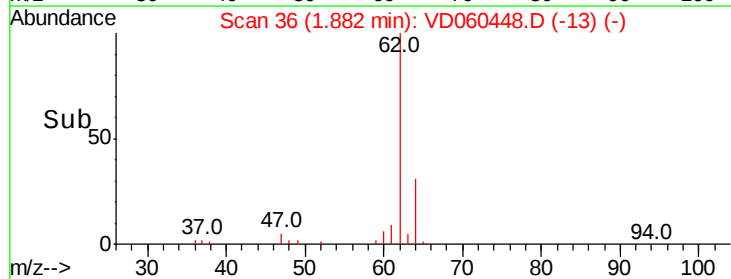
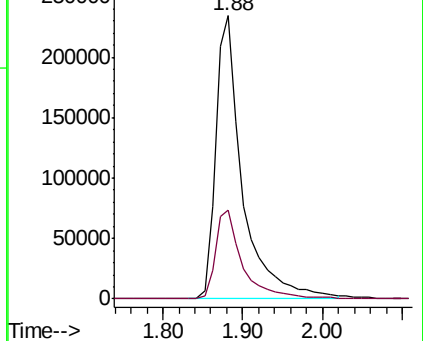
62 100

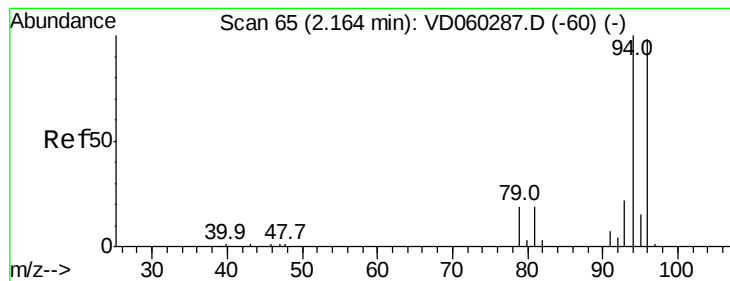
64 31.4 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 52.918 ug/l

RT: 2.18 min Scan# 66

Delta R.T. 0.01 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

Instrument :

MSVOA_D

ClientSampleId :

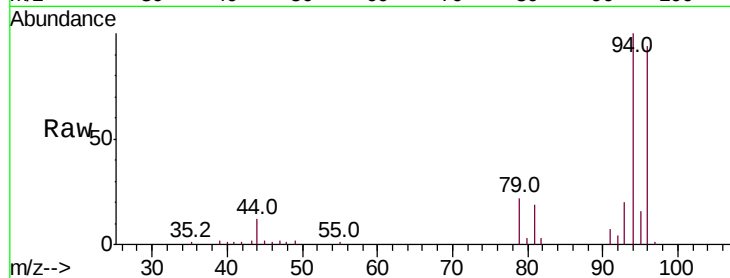
VSTDCCC050

Tot Ion: 94 Resp: 143769

Ion Ratio Lower Upper

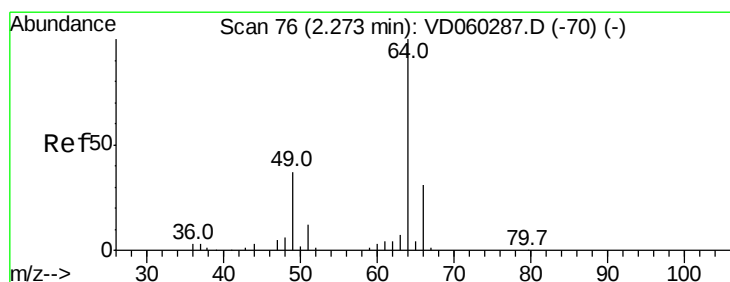
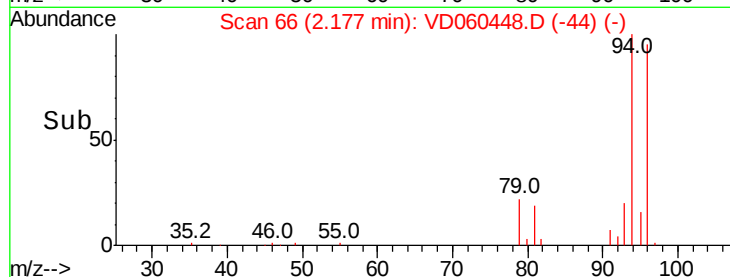
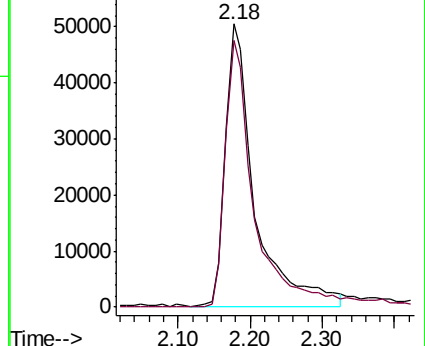
94 100

96 94.3 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: 49.016 ug/l

RT: 2.29 min Scan# 77

Delta R.T. 0.01 min

Lab File: VD060448.D

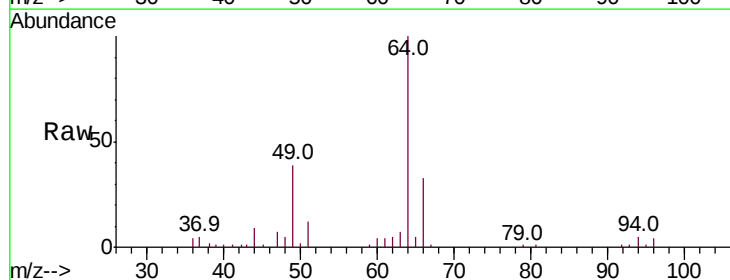
Acq: 26 Nov 2018 10:41

Tgt Ion: 64 Resp: 186242

Ion Ratio Lower Upper

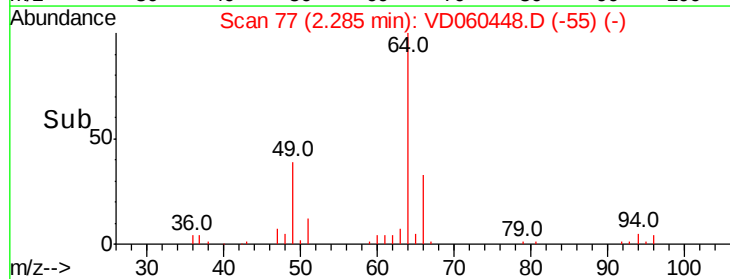
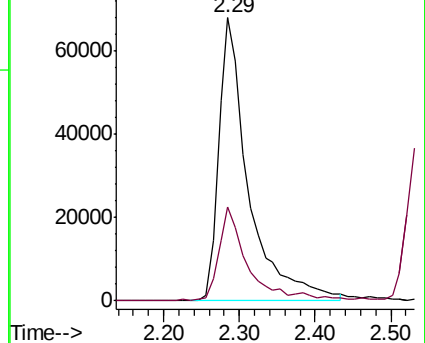
64 100

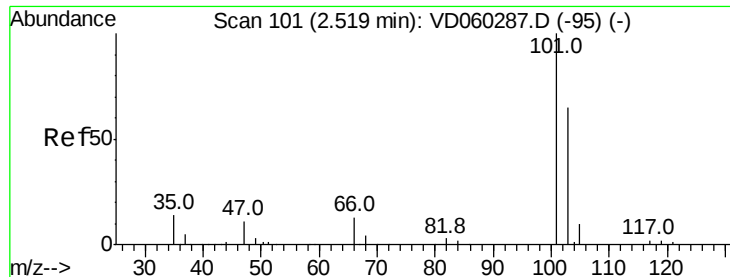
66 33.0 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



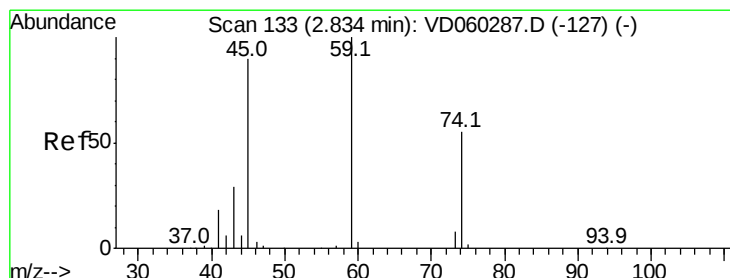
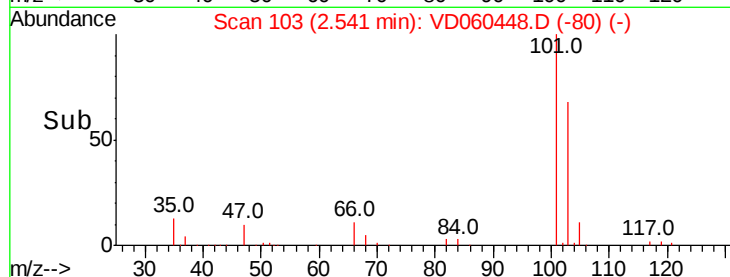
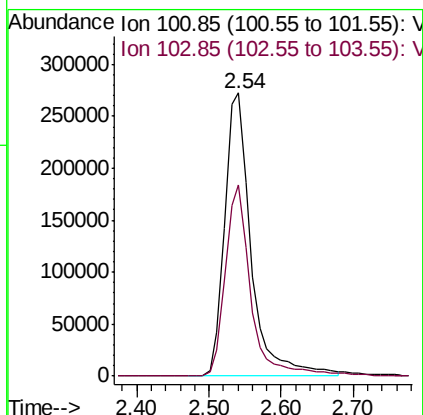
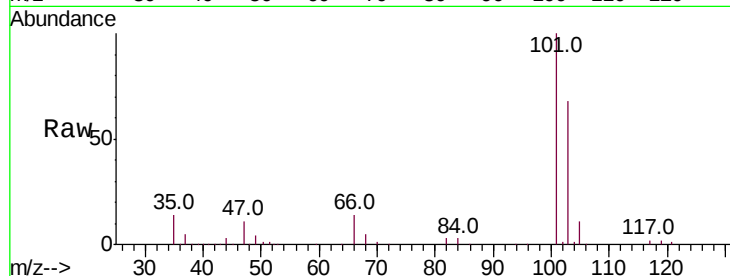


#7

Trichlorofluoromethane
Concen: 51.485 ug/l
RT: 2.54 min Scan# 103
Delta R.T. 0.02 min
Lab File: VD060448.D
Acq: 26 Nov 2018 10:41

Instrument :
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ClientSampleId :
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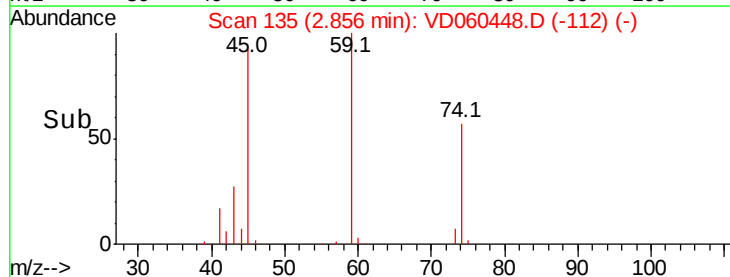
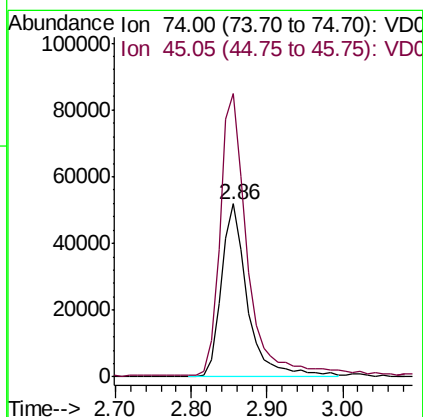
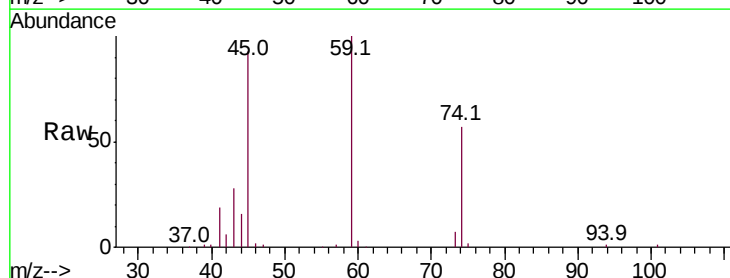
Tot Ion:101 Resp: 695087
Ion Ratio Lower Upper
101 100
103 67.6 53.6 80.4

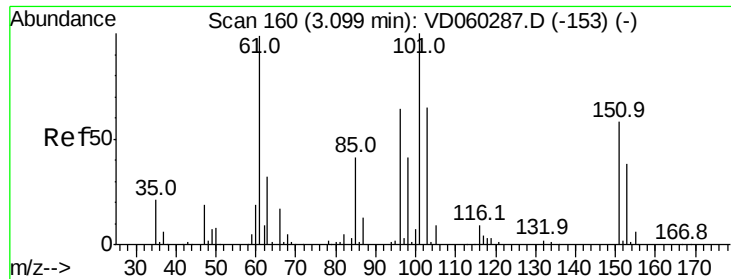


#8

Diethyl Ether
Concen: 51.273 ug/l
RT: 2.86 min Scan# 135
Delta R.T. 0.02 min
Lab File: VD060448.D
Acq: 26 Nov 2018 10:41

Tgt Ion: 74 Resp: 125329
Ion Ratio Lower Upper
74 100
45 163.7 84.8 254.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.676 ug/l

RT: 3.12 min Scan# 162

Delta R.T. 0.02 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

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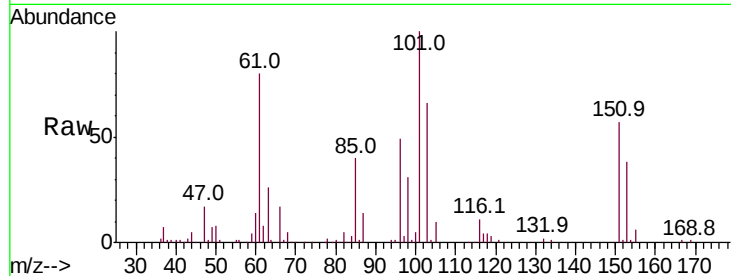
Tot Ion:101 Resp: 458876

Ion Ratio Lower Upper

101 100

85 39.7 31.4 47.0

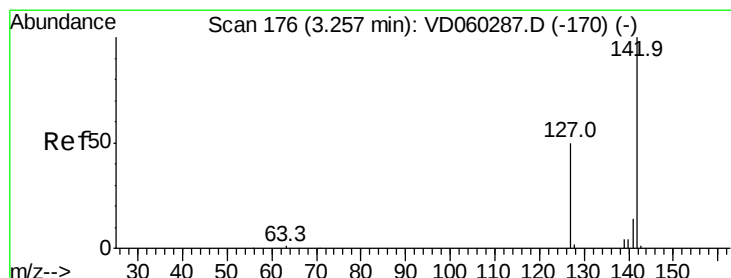
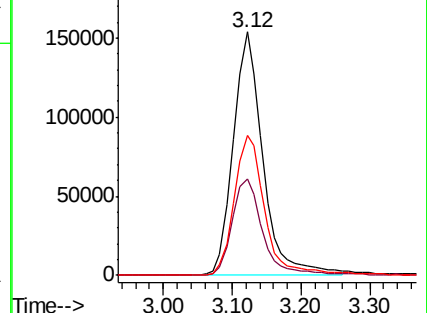
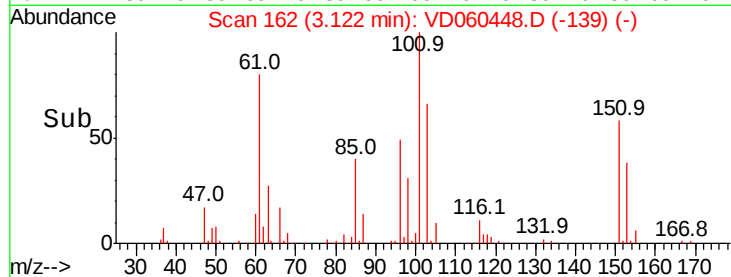
151 57.4 47.4 71.0



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: 44.516 ug/l

RT: 3.28 min Scan# 178

Delta R.T. 0.02 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

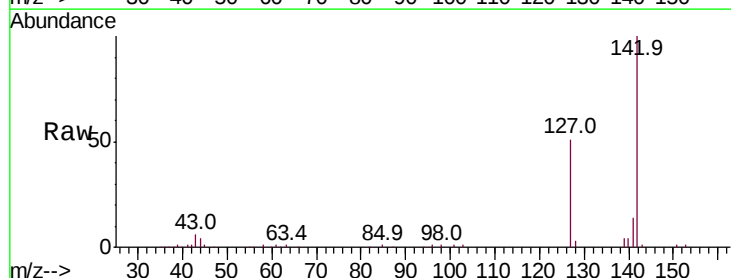
Tgt Ion:142 Resp: 513412

Ion Ratio Lower Upper

142 100

127 51.0 41.0 61.6

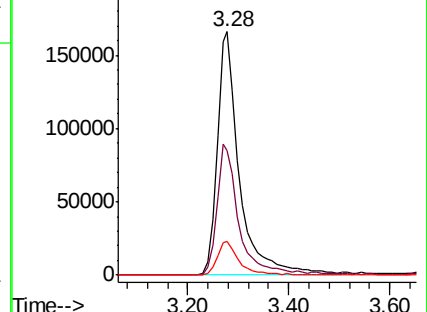
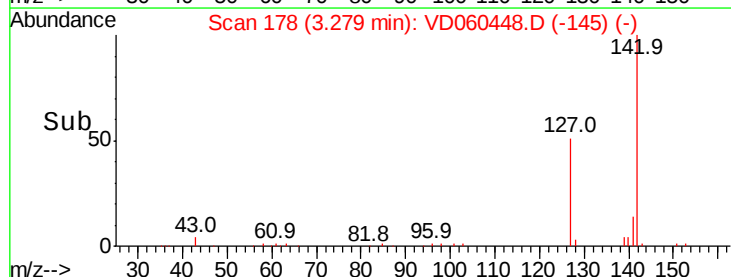
141 14.0 11.9 17.9

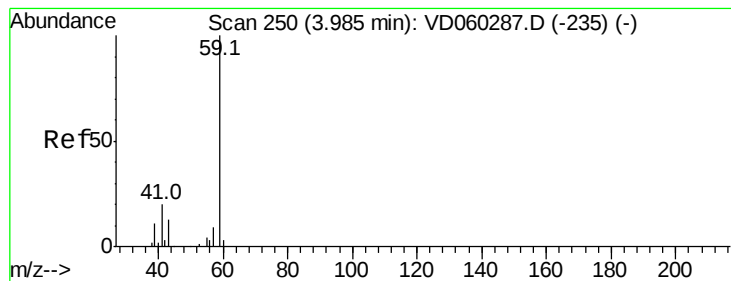


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



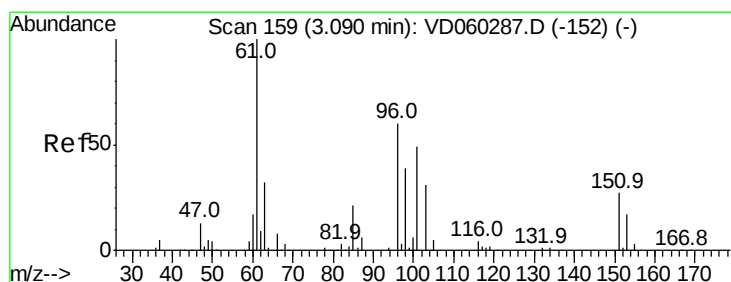
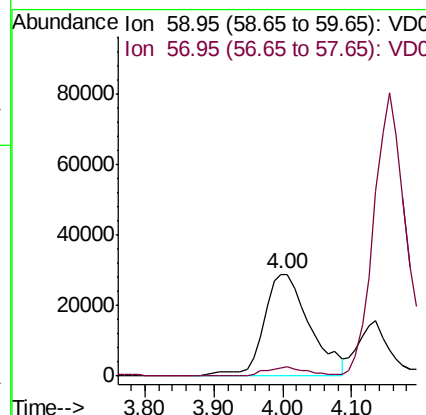
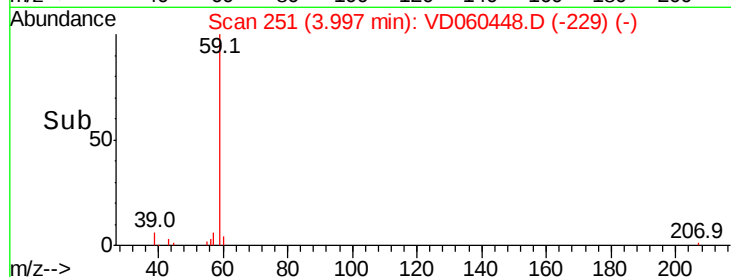
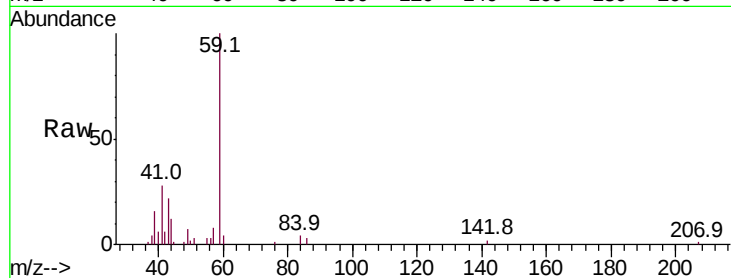


#11

Tert butyl alcohol
Concen: 307.479 ug/l
RT: 4.00 min Scan# 251
Delta R.T. 0.01 min
Lab File: VD060448.D
Acq: 26 Nov 2018 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

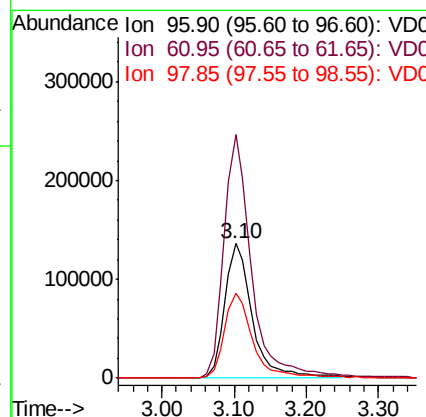
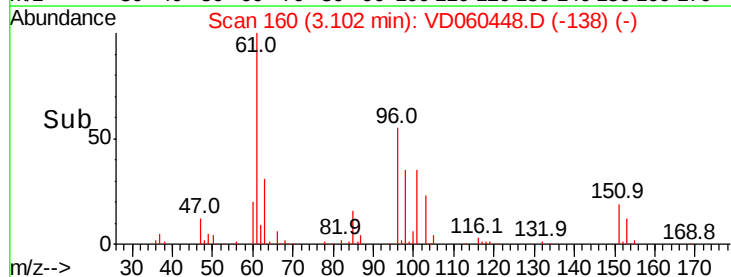
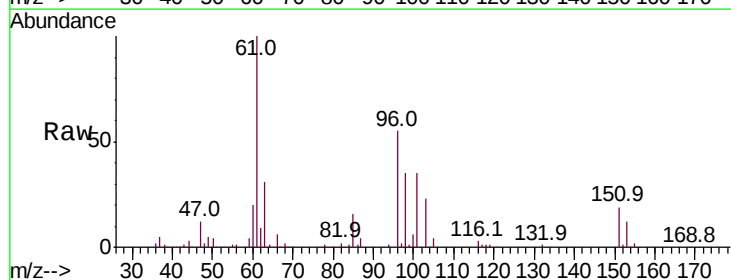
Tot Ion: 59 Resp: 133828
Ion Ratio Lower Upper
59 100
57 7.9 9.3 13.9#

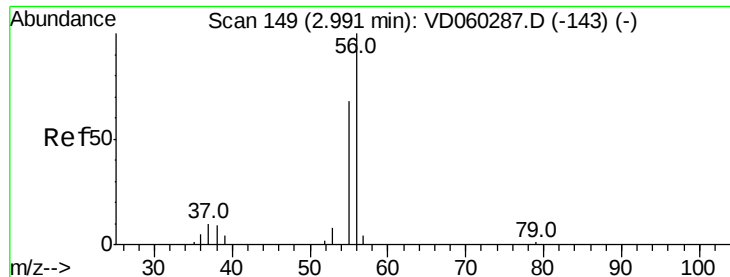


#12

1,1-Dichloroethene
Concen: 50.144 ug/l
RT: 3.10 min Scan# 160
Delta R.T. 0.01 min
Lab File: VD060448.D
Acq: 26 Nov 2018 10:41

Tgt Ion: 96 Resp: 362186
Ion Ratio Lower Upper
96 100
61 180.7 142.2 213.4
98 62.8 52.6 79.0





#13

Acrolein

Concen: 196.958 ug/l

RT: 3.01 min Scan# 151

Delta R.T. 0.02 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

Instrument :

MSVOA_D

ClientSampleId :

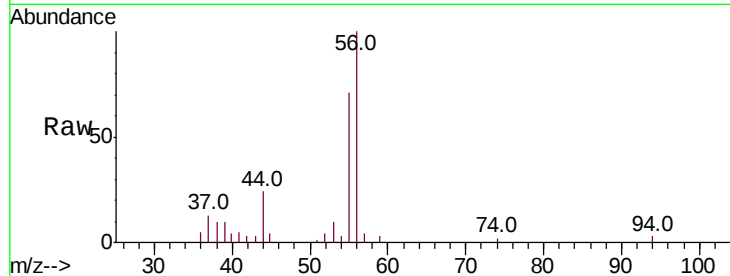
VSTDCCC050

Tot Ion: 56 Resp: 101293

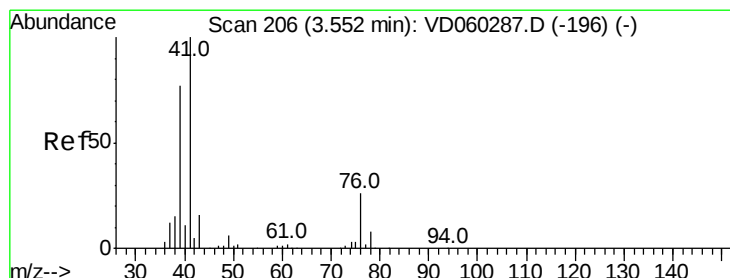
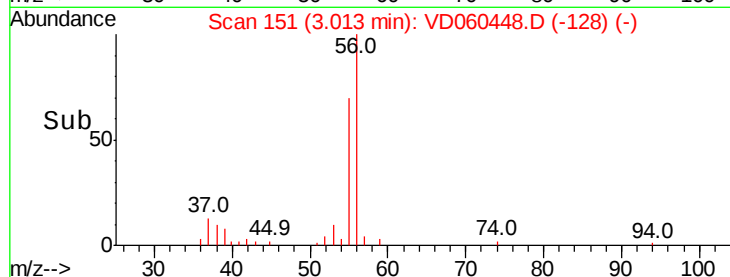
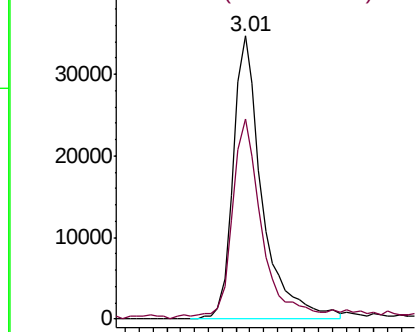
Ion Ratio Lower Upper

56 100

55 70.5 57.0 85.6



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 52.662 ug/l

RT: 3.56 min Scan# 207

Delta R.T. 0.01 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

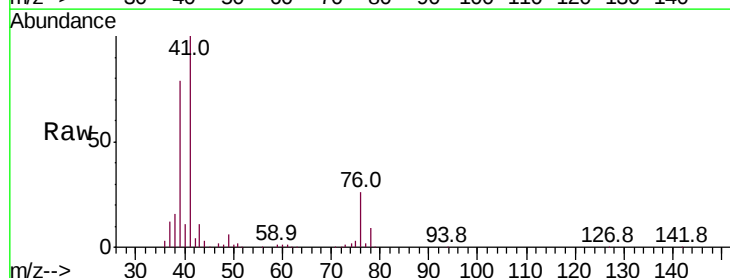
Tgt Ion: 41 Resp: 727808

Ion Ratio Lower Upper

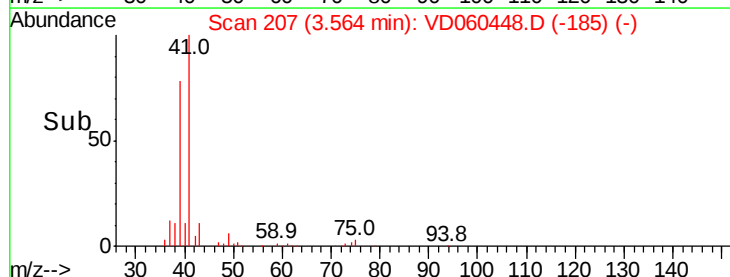
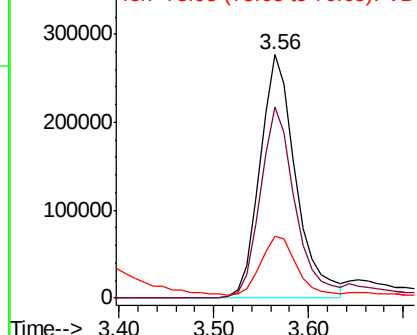
41 100

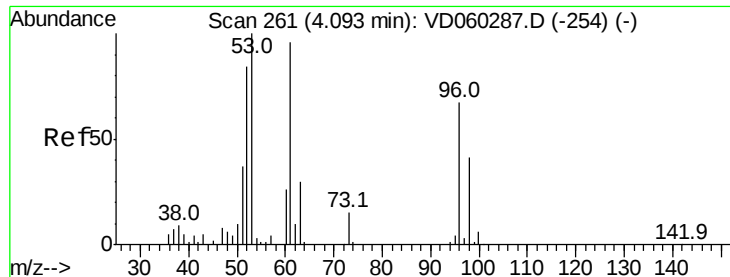
39 78.7 60.4 90.6

76 25.6 21.8 32.8



Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 272.879 ug/l

RT: 4.12 min Scan# 263

Delta R.T. 0.02 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

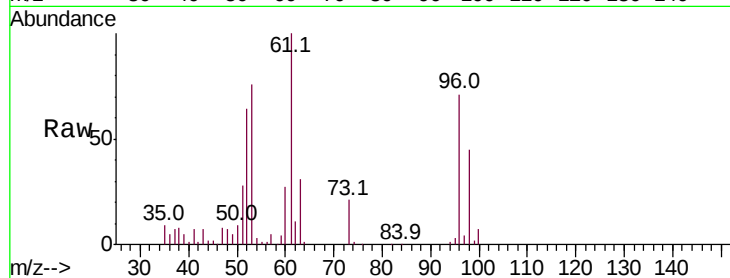
Tot Ion: 53 Resp: 692594

Ion Ratio Lower Upper

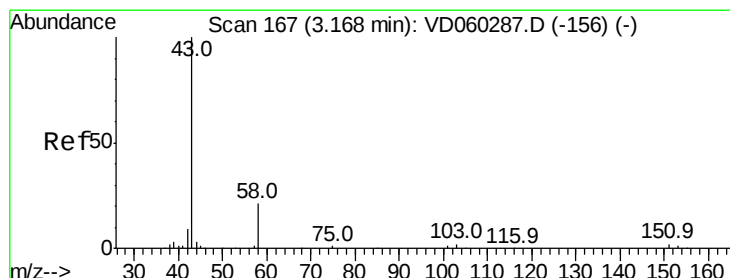
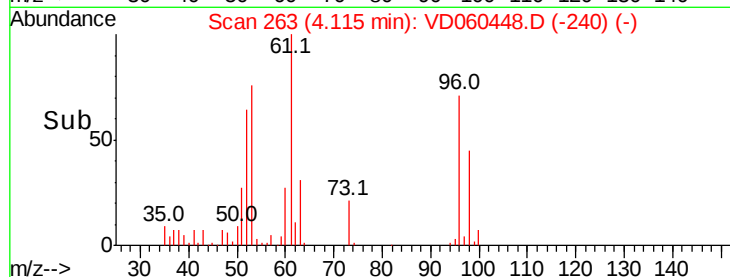
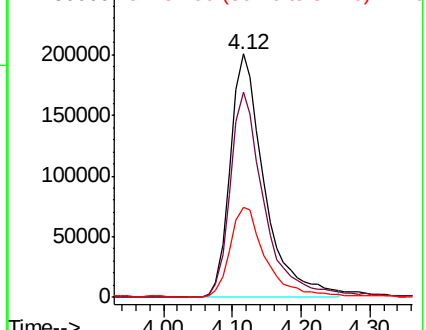
53 100

52 84.4 67.0 100.4

51 36.8 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 296.373 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD060448.D

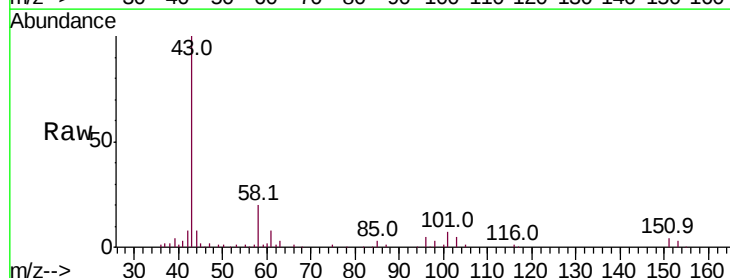
Acq: 26 Nov 2018 10:41

Tgt Ion: 43 Resp: 544897

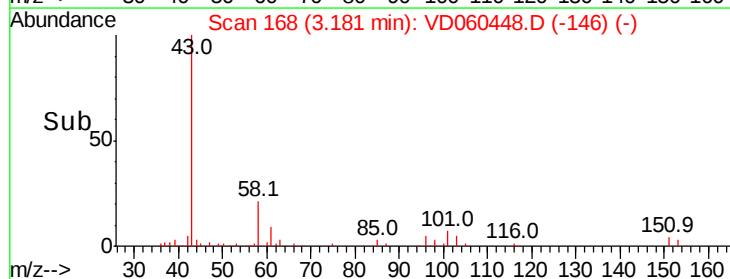
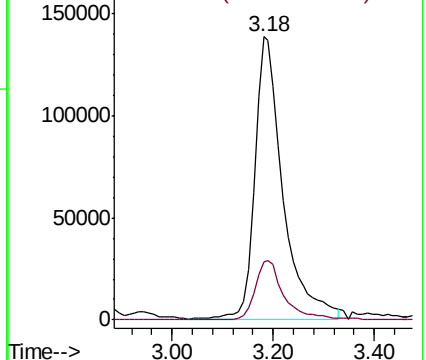
Ion Ratio Lower Upper

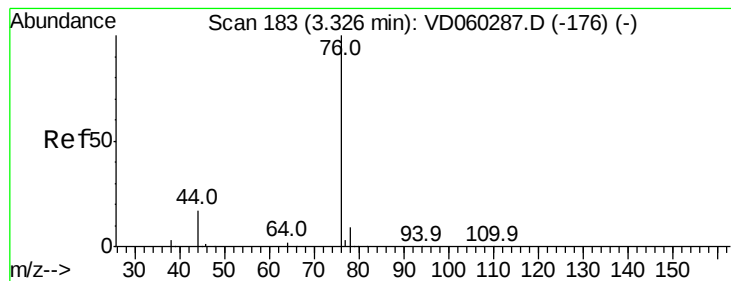
43 100

58 20.5 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 45.983 ug/l

RT: 3.35 min Scan# 185

Delta R.T. 0.02 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

Instrument :

MSVOA_D

ClientSampleId :

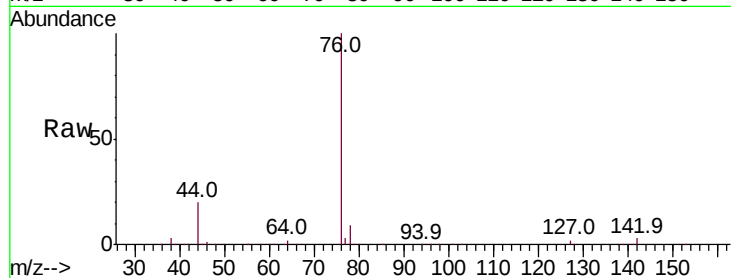
VSTDCCC050

Tot Ion: 76 Resp: 1072040

Ion Ratio Lower Upper

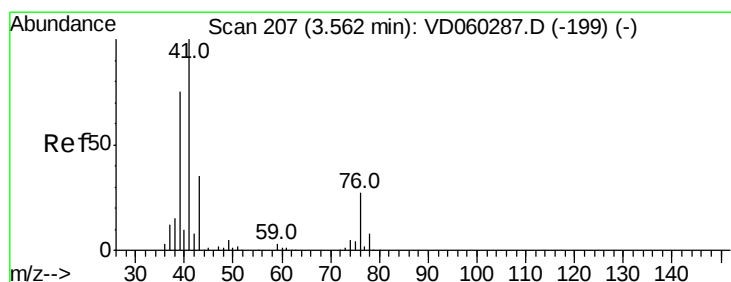
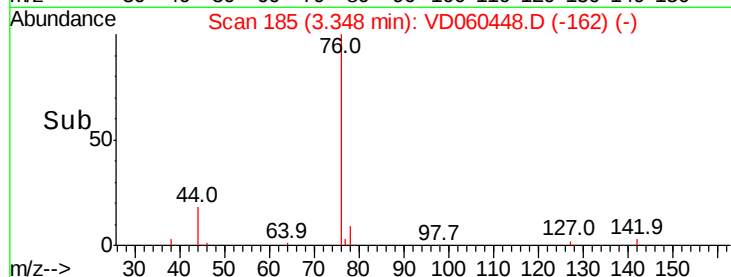
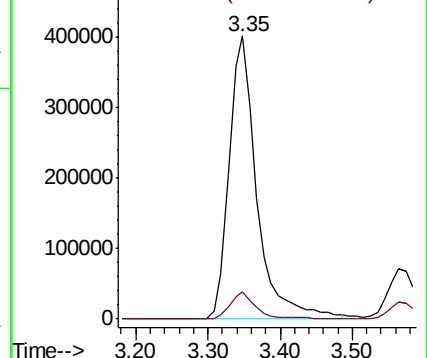
76 100

78 9.5 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 57.097 ug/l

RT: 3.58 min Scan# 209

Delta R.T. 0.02 min

Lab File: VD060448.D

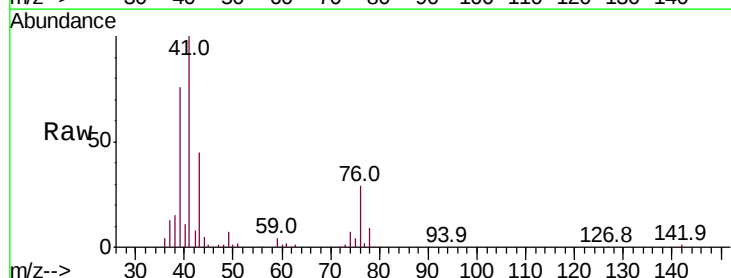
Acq: 26 Nov 2018 10:41

Tgt Ion: 43 Resp: 223831

Ion Ratio Lower Upper

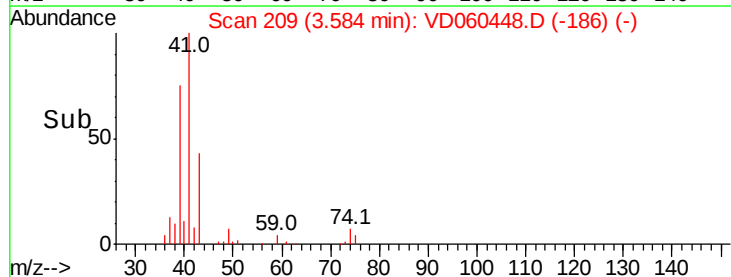
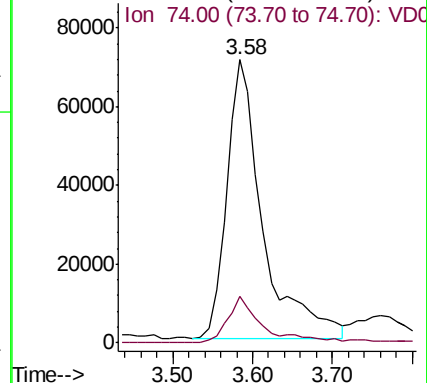
43 100

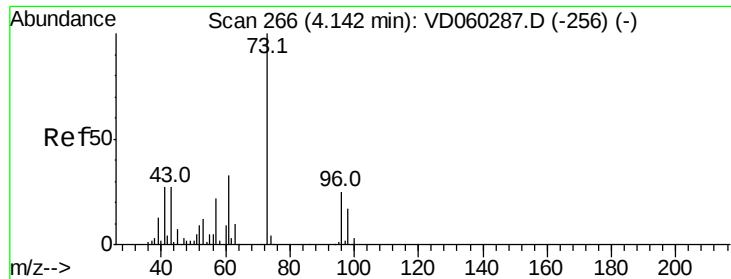
74 16.4 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

Methyl tert-butyl Ether
 Concen: 54.679 ug/l
 RT: 4.15 min Scan# 267
 Delta R.T. 0.01 min
 Lab File: VD060448.D
 Acq: 26 Nov 2018 10:41

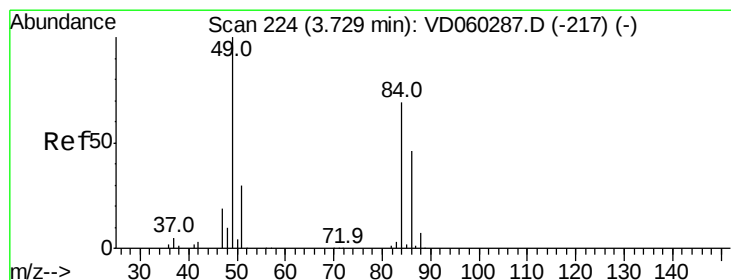
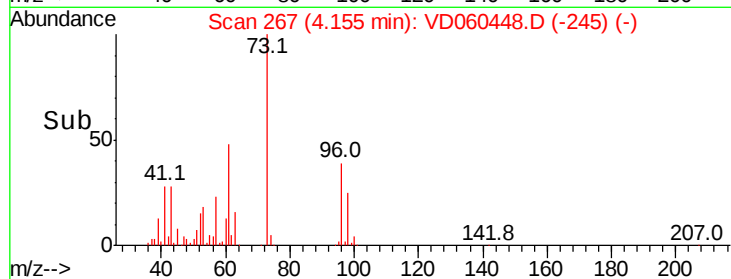
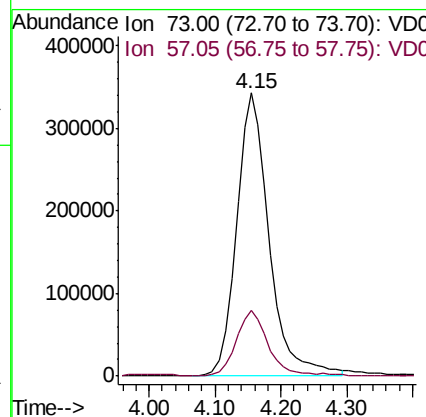
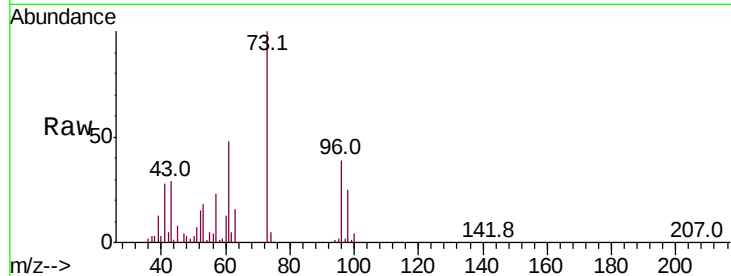
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 73 Resp: 1182600

Ion Ratio Lower Upper

73 100

57 23.4 18.1 27.1



#20

Methylene Chloride
 Concen: 51.646 ug/l
 RT: 3.75 min Scan# 226
 Delta R.T. 0.02 min
 Lab File: VD060448.D
 Acq: 26 Nov 2018 10:41

Tgt Ion: 84 Resp: 842320

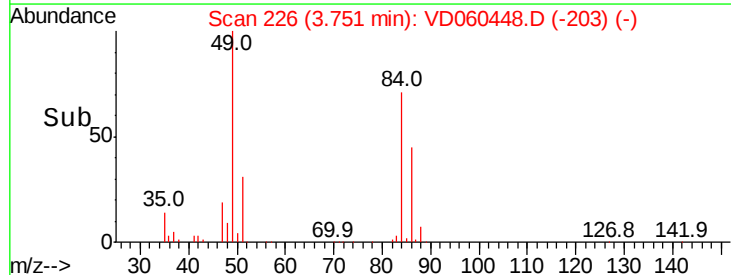
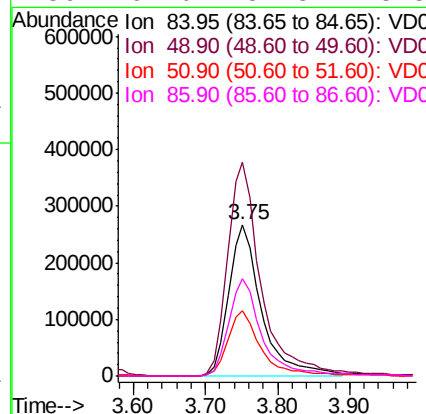
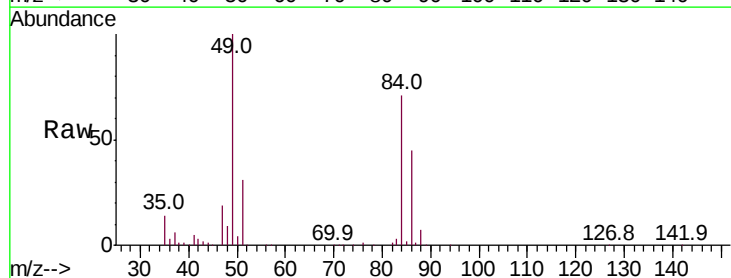
Ion Ratio Lower Upper

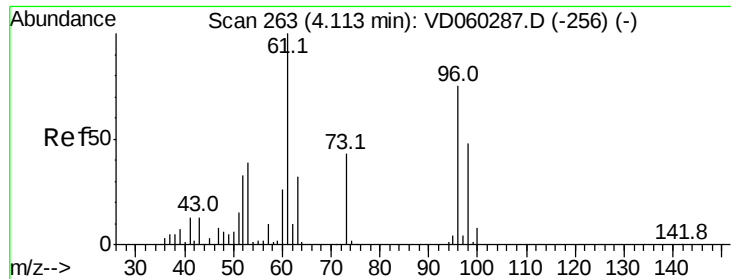
84 100

49 141.1 115.6 173.4

51 43.3 35.6 53.4

86 64.0 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 53.618 ug/l

RT: 4.14 min Scan# 265

Delta R.T. 0.02 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

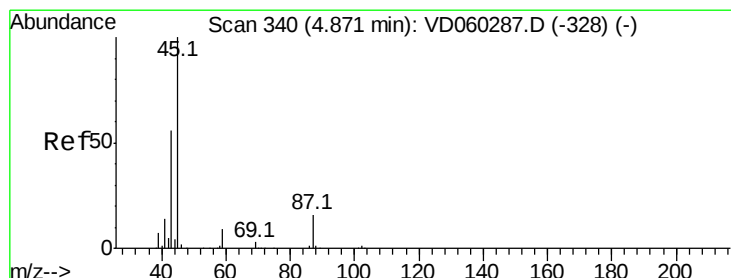
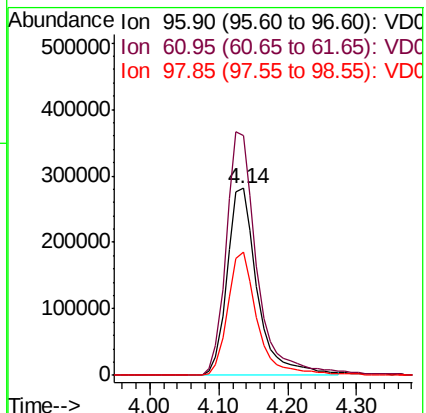
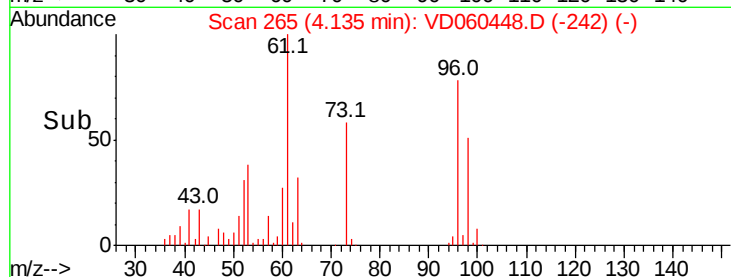
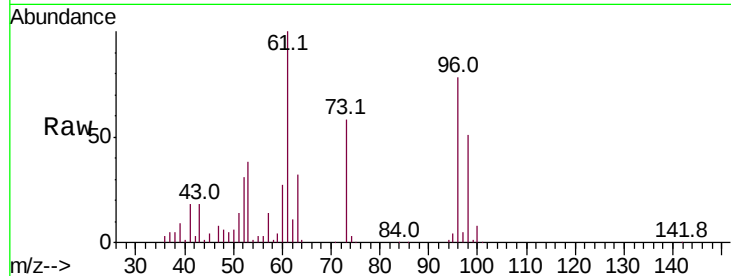
Tot Ion: 96 Resp: 859898

Ion Ratio Lower Upper

96 100

61 128.1 105.8 158.6

98 65.8 50.8 76.2



#22

Diisopropyl ether

Concen: 55.698 ug/l

RT: 4.88 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

Tgt Ion: 45 Resp: 2875845

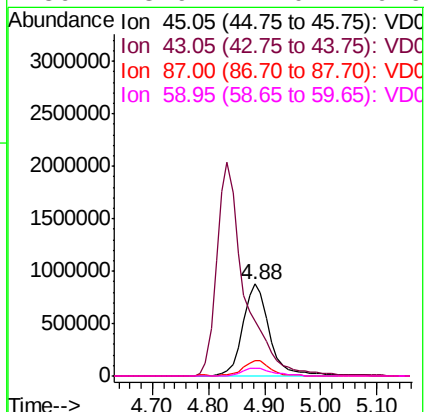
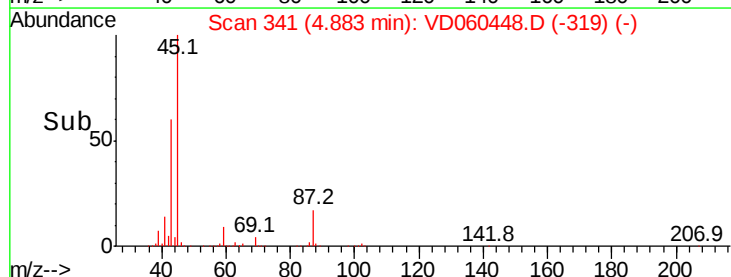
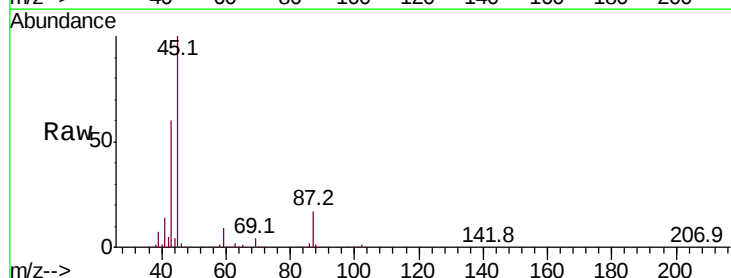
Ion Ratio Lower Upper

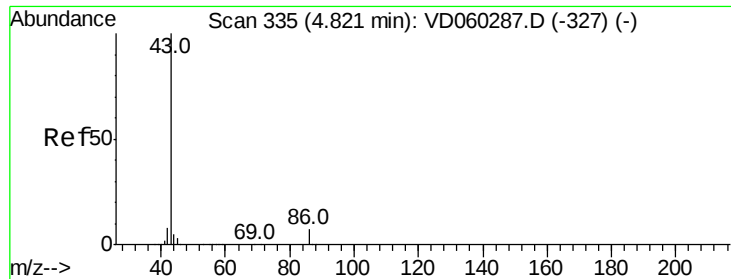
45 100

43 60.3 44.9 67.3

87 17.2 13.9 20.9

59 8.9 7.0 10.6

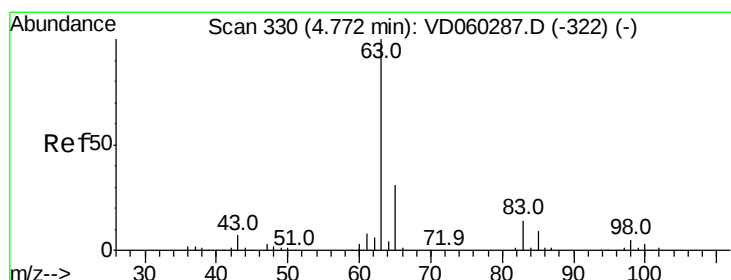
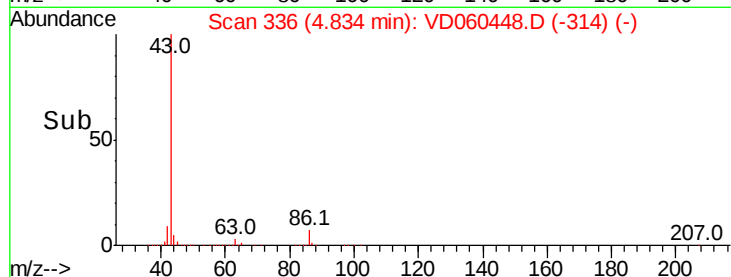
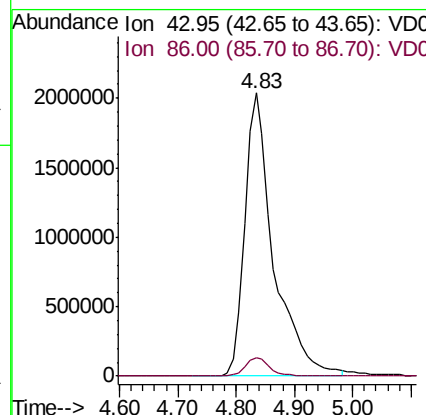
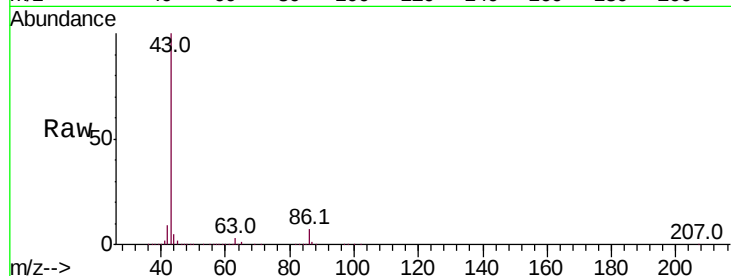




#23
 Vinyl Acetate
 Concen: 272.097 ug/l
 RT: 4.83 min Scan# 336
 Delta R.T. 0.01 min
 Lab File: VD060448.D
 Acq: 26 Nov 2018 10:41

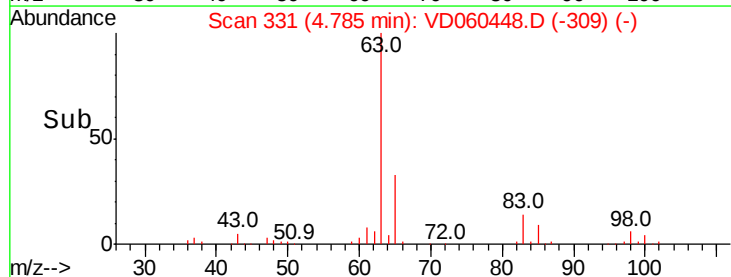
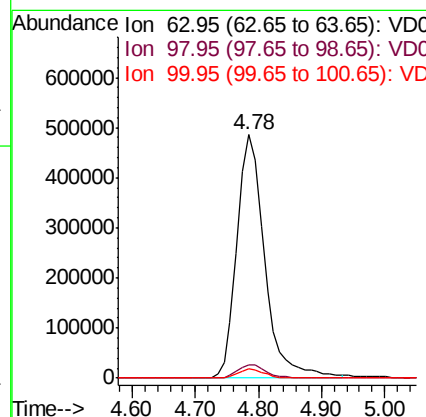
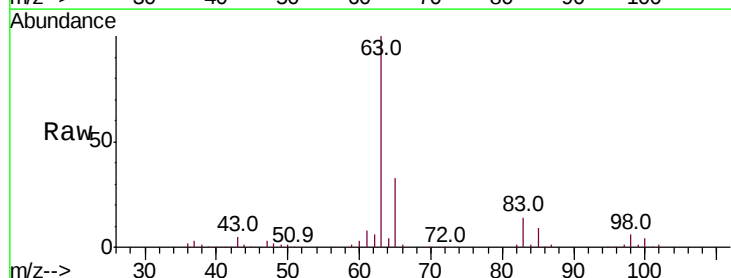
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

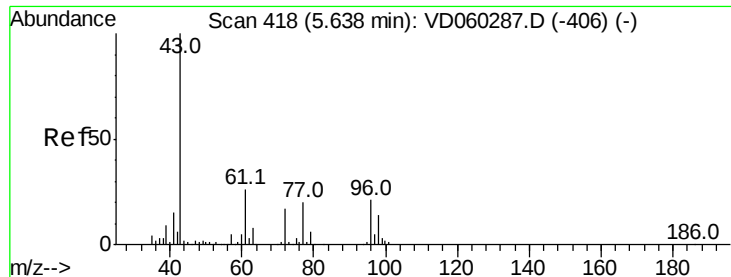
Tot Ion: 43 Resp: 6990677
 Ion Ratio Lower Upper
 43 100
 86 6.7 5.7 8.5



#24
 1,1-Dichloroethane
 Concen: 56.089 ug/l
 RT: 4.78 min Scan# 331
 Delta R.T. 0.01 min
 Lab File: VD060448.D
 Acq: 26 Nov 2018 10:41

Tgt Ion: 63 Resp: 1485105
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.8 8.4
 100 3.8 1.8 5.5





#25

2-Butanone

Concen: 278.911 ug/l

RT: 5.64 min Scan# 418

Delta R.T. 0.00 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

Instrument :

MSVOA_D

ClientSampleId :

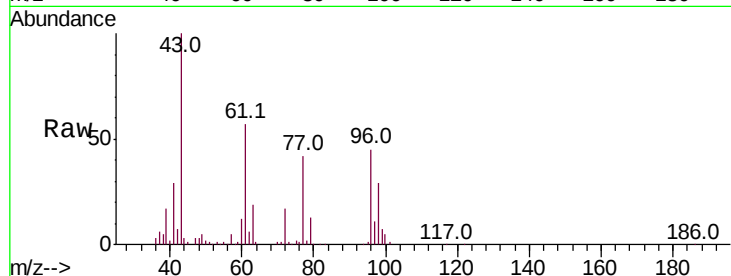
VSTDCCC050

Tot Ion: 43 Resp: 1065870

Ion Ratio Lower Upper

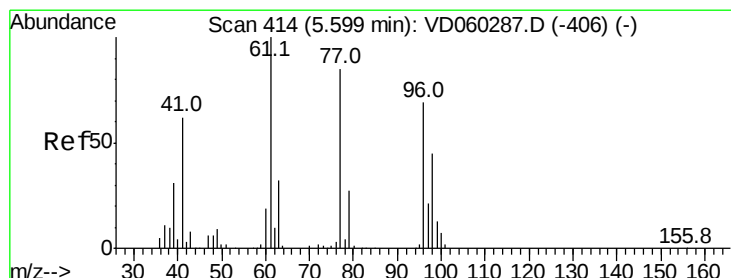
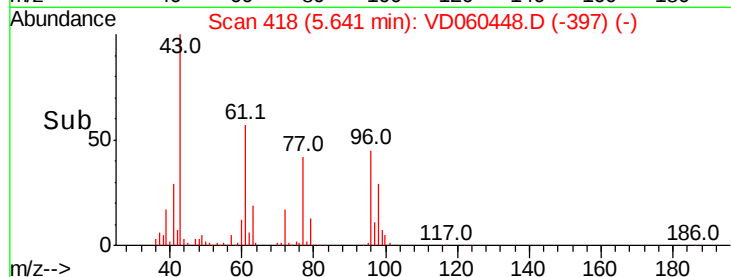
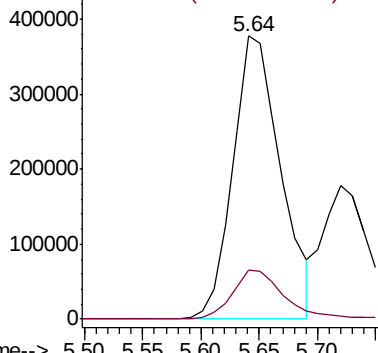
43 100

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: 57.584 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.01 min

Lab File: VD060448.D

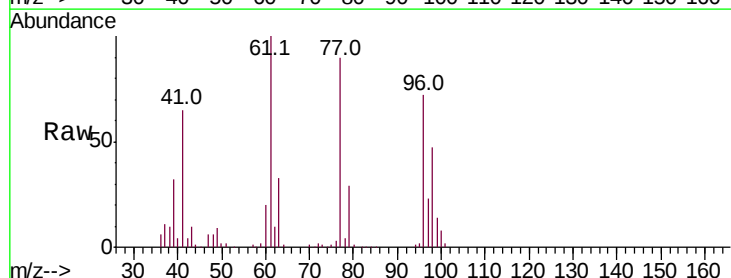
Acq: 26 Nov 2018 10:41

Tgt Ion: 77 Resp: 1185378

Ion Ratio Lower Upper

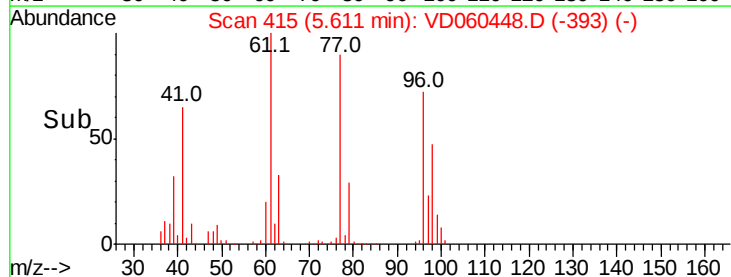
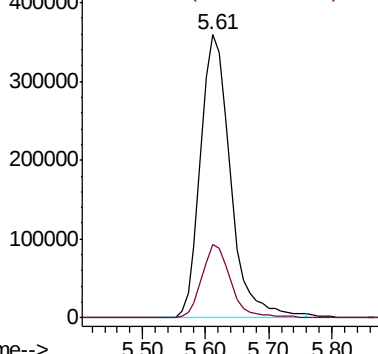
77 100

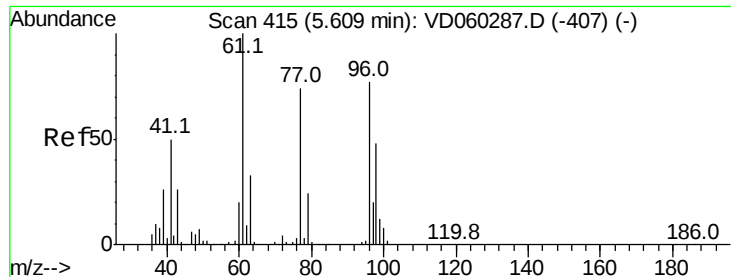
97 25.8 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



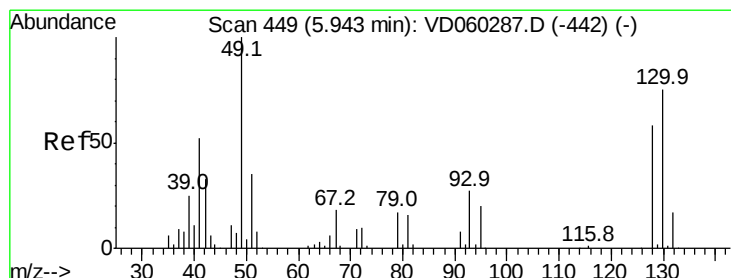
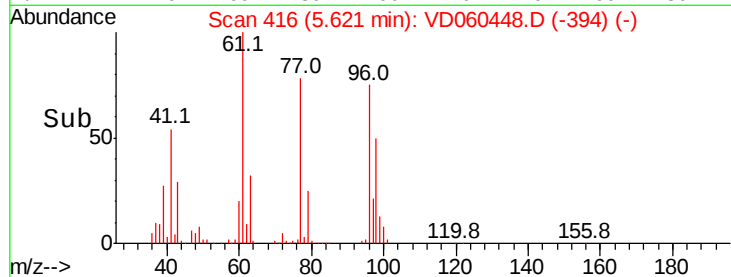
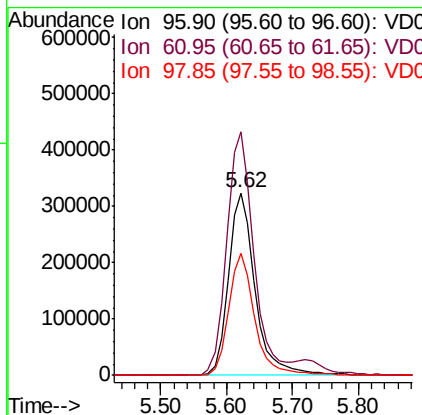
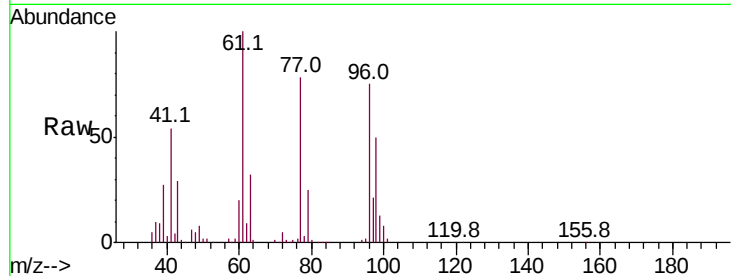


#27

cis-1,2-Dichloroethene
 Concen: 54.976 ug/l
 RT: 5.62 min Scan# 416
 Delta R.T. 0.01 min
 Lab File: VD060448.D
 Acq: 26 Nov 2018 10:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

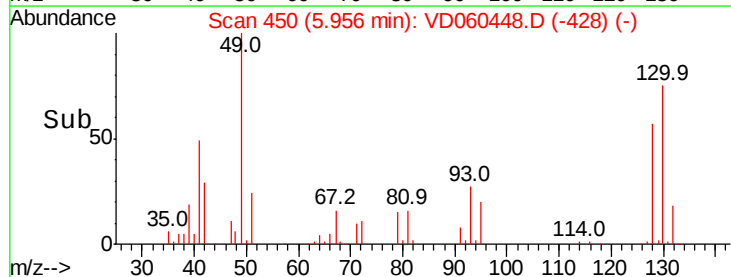
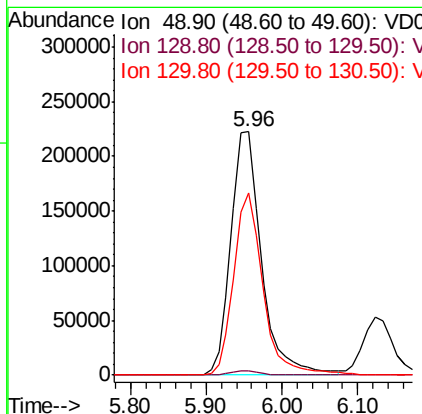
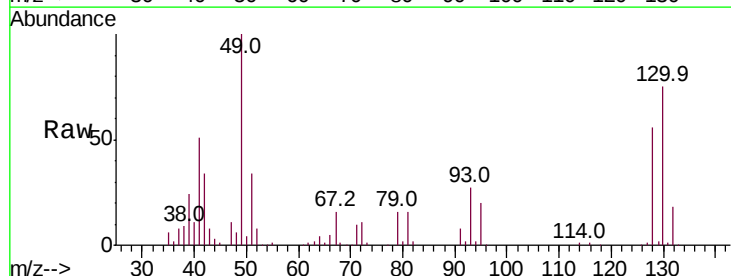
Tot Ion	Ratio	Lower	Upper
96	100		
61	133.4	0.0	259.0
98	66.6	0.0	128.8

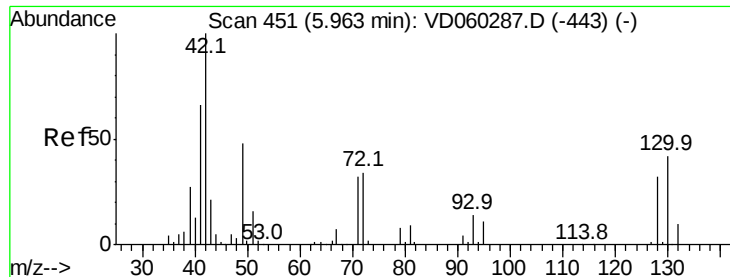


#28

Bromochloromethane
 Concen: 53.363 ug/l
 RT: 5.96 min Scan# 450
 Delta R.T. 0.01 min
 Lab File: VD060448.D
 Acq: 26 Nov 2018 10:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	2.8
130	74.8	53.6	80.4





#29

Tetrahydrofuran

Concen: 268.716 ug/l

RT: 5.98 min Scan# 452

Delta R.T. 0.01 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

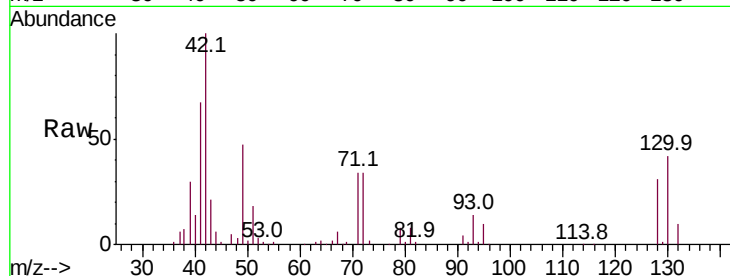
Tot Ion: 42 Resp: 541415

Ion Ratio Lower Upper

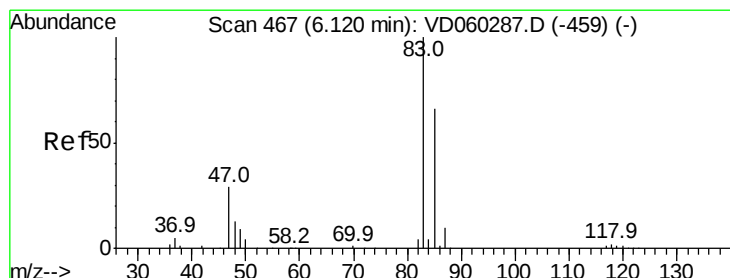
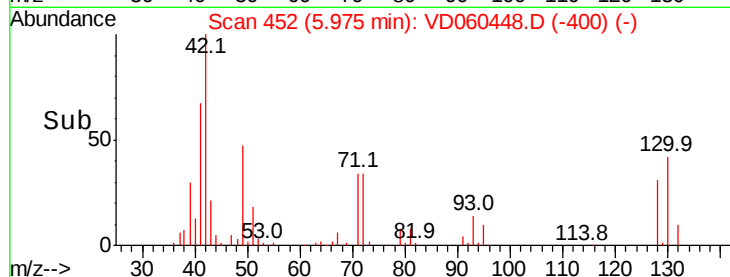
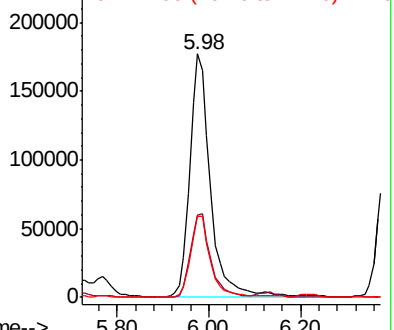
42 100

72 34.0 27.6 41.4

71 32.5 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: 55.907 ug/l

RT: 6.12 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD060448.D

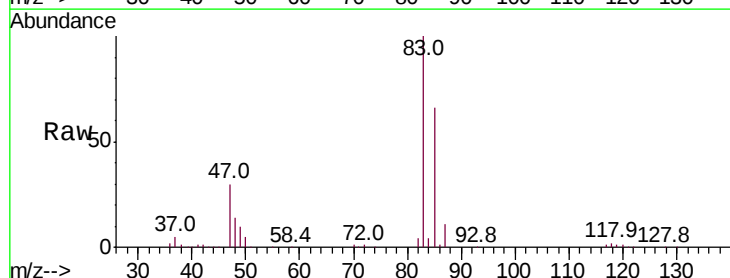
Acq: 26 Nov 2018 10:41

Tgt Ion: 83 Resp: 1479838

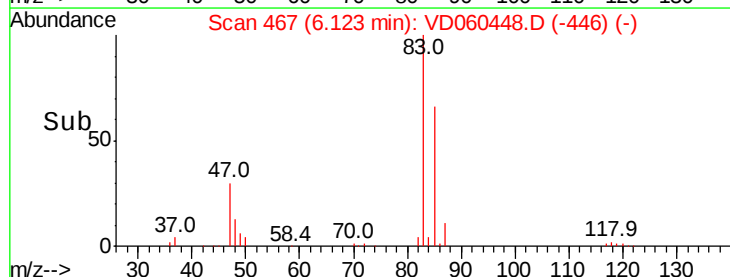
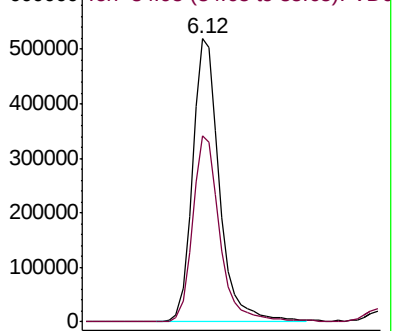
Ion Ratio Lower Upper

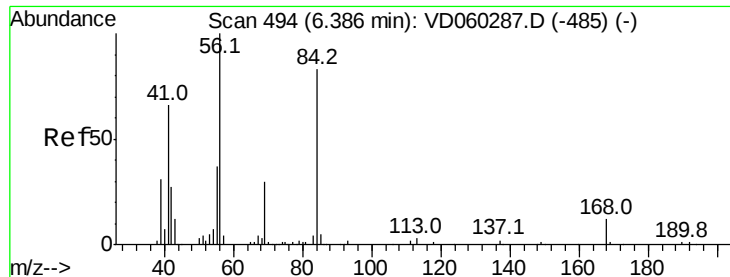
83 100

85 65.6 52.5 78.7



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





#31

Cvclohexane

Concen: 49.178 ug/l

RT: 6.39 min Scan# 494

Delta R.T. 0.00 min

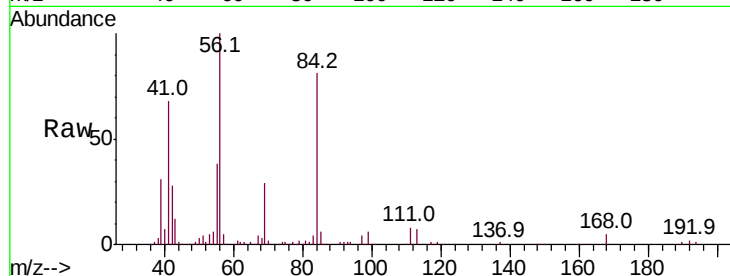
Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 1244543

Ion	Ratio	Lower	Upper
56	100		
69	28.6	22.2	33.2
84	80.5	63.0	94.4

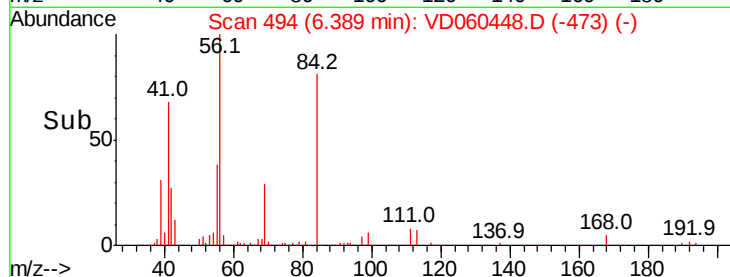


Abundance

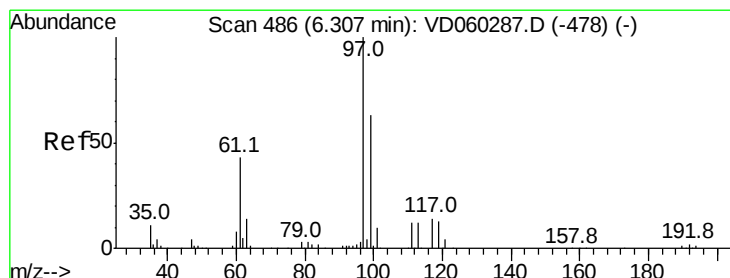
Ion 55.95 (55.65 to 56.65): VDC

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: 55.842 ug/l

RT: 6.32 min Scan# 487

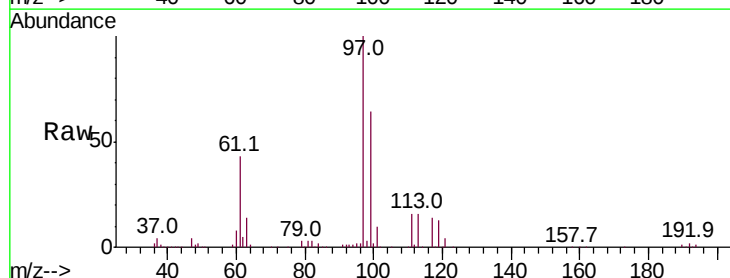
Delta R.T. 0.01 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

Tgt Ion: 97 Resp: 1245074

Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.5	77.3
61	43.3	35.8	53.8

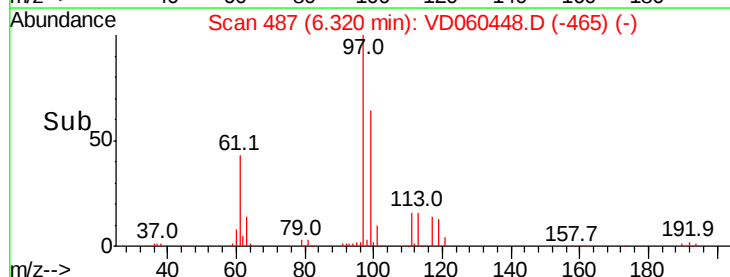


Abundance

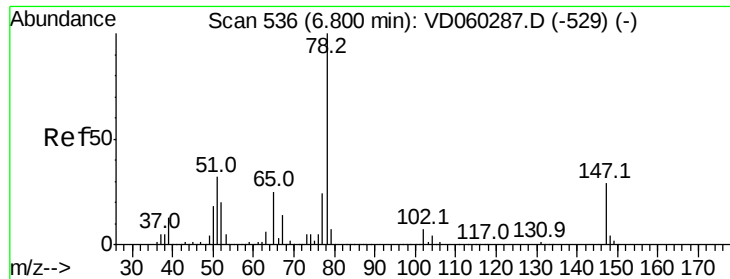
Ion 96.85 (96.55 to 97.55): VDC

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: 55.842 ug/l

RT: 6.81 min Scan# 537

Delta R.T. 0.01 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

Instrument :

MSVOA_D

ClientSampleId :

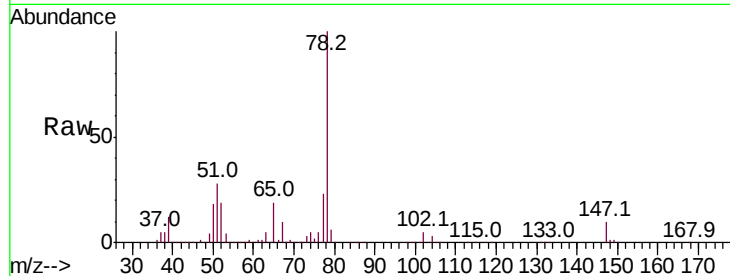
VSTDCCC050

Tot Ion: 65 Resp: 507363

Ion Ratio Lower Upper

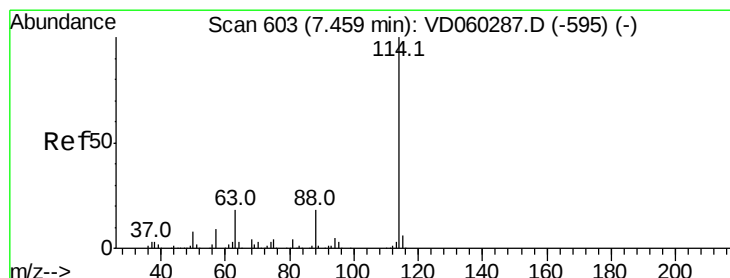
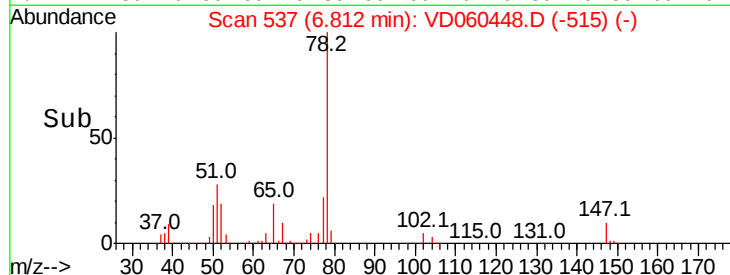
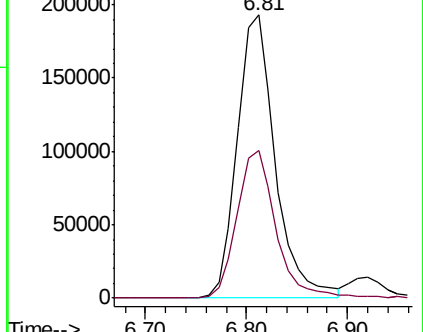
65 100

67 52.1 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.46 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

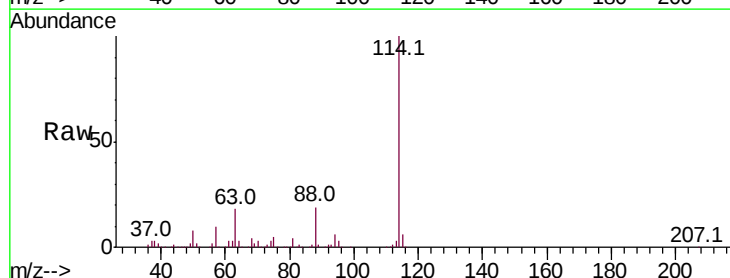
Tgt Ion:114 Resp: 2076296

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.0

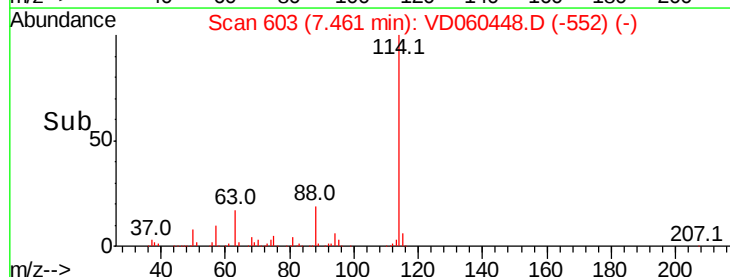
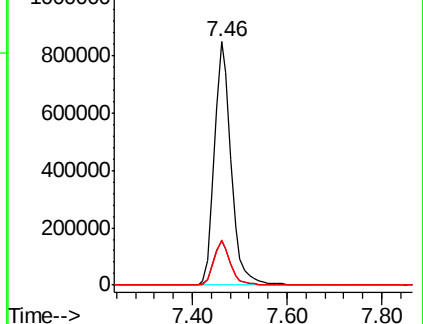
88 18.5 0.0 35.4

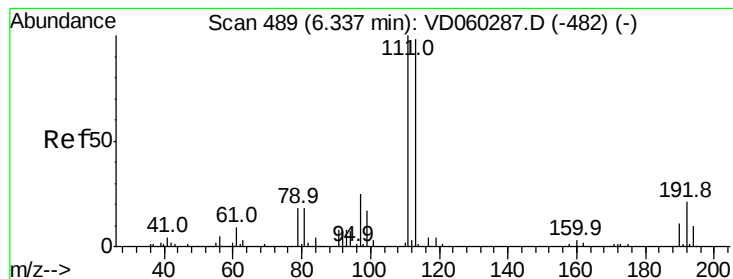


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.35 min Scan# 490

Delta R.T. 0.01 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

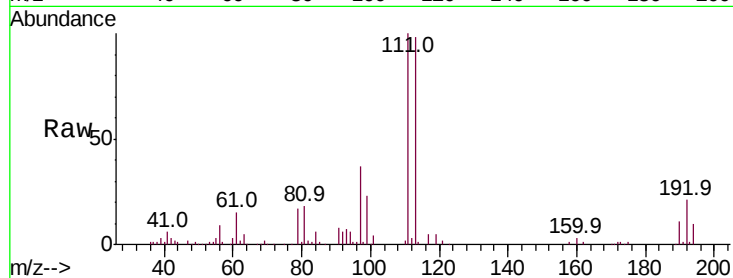
Tot Ion:113 Resp: 762420

Ion Ratio Lower Upper

113 100

111 102.0 81.6 122.4

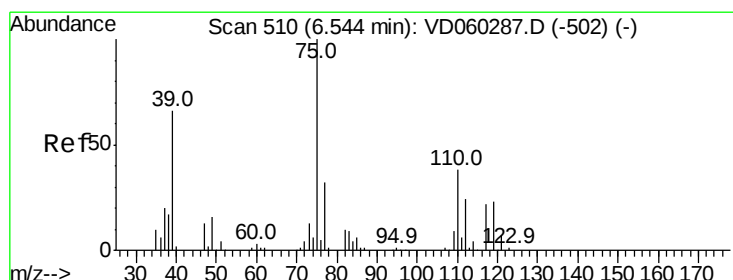
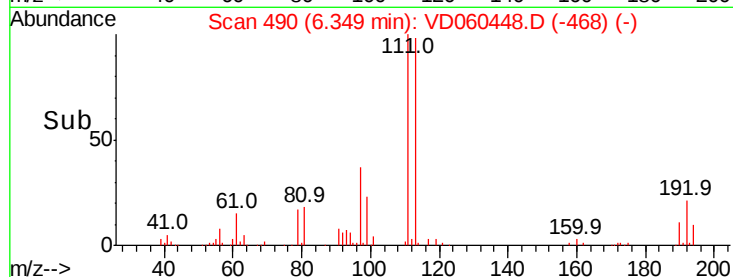
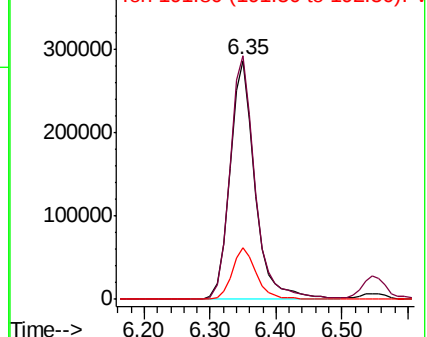
192 21.5 16.5 24.7



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: 52.617 ug/l

RT: 6.55 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

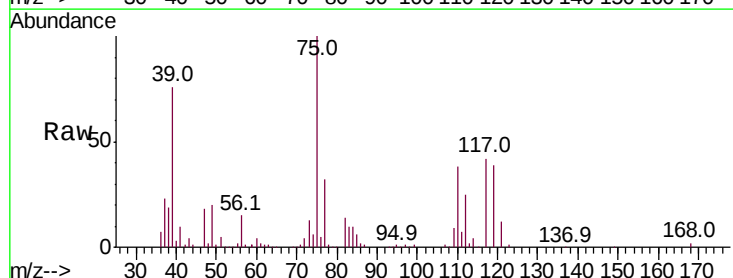
Tgt Ion: 75 Resp: 1079316

Ion Ratio Lower Upper

75 100

110 38.4 18.0 54.0

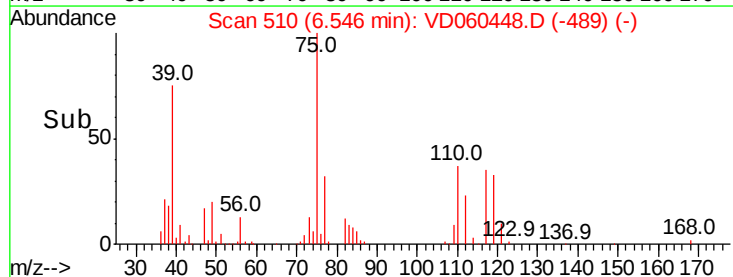
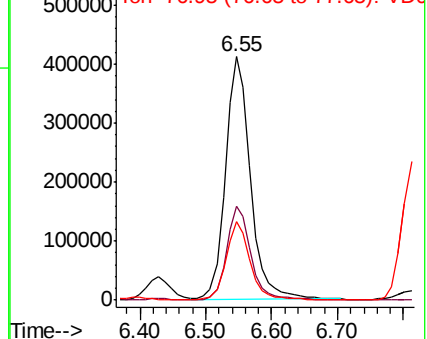
77 32.1 25.6 38.4

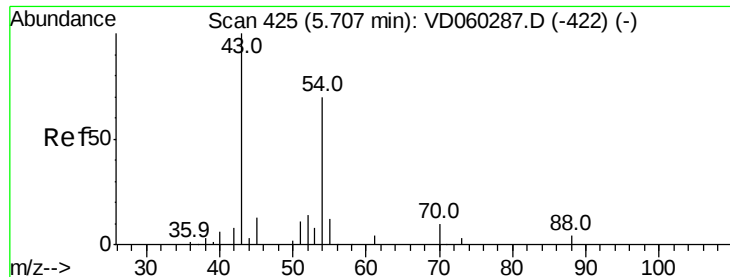


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

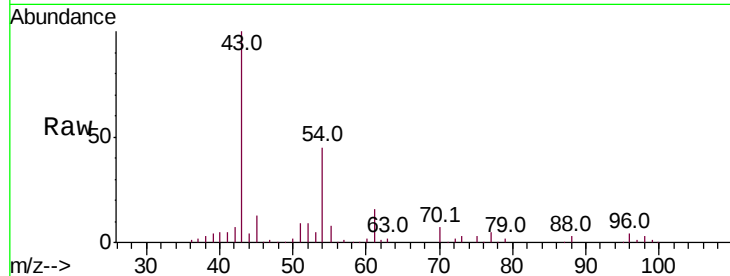




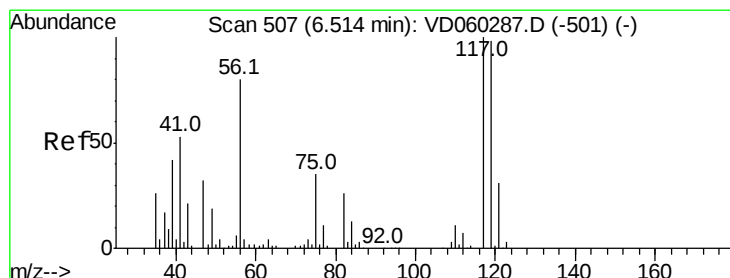
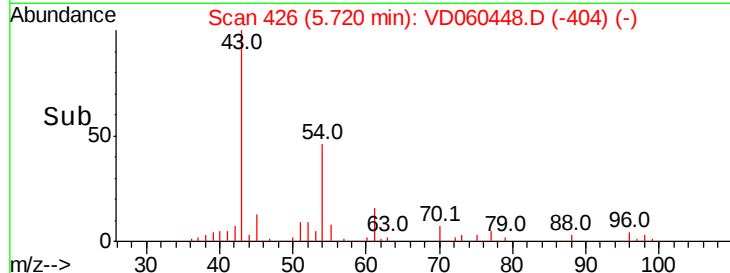
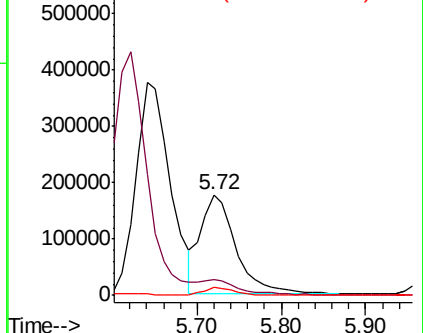
#37
Ethyl Acetate
Concen: 53.926 ug/l
RT: 5.72 min Scan# 426
Delta R.T. 0.01 min
Lab File: VD060448.D
Acq: 26 Nov 2018 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 509014
Ion Ratio Lower Upper
43 100
61 16.0 11.8 17.6
70 7.4 6.2 9.4

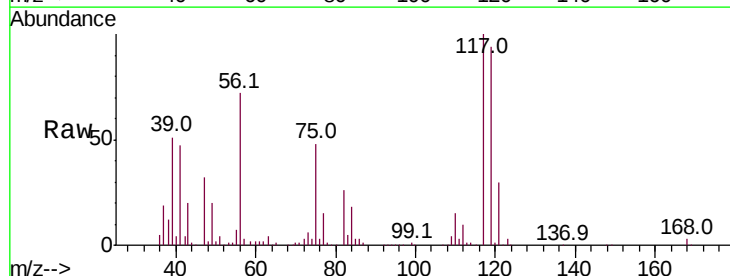


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

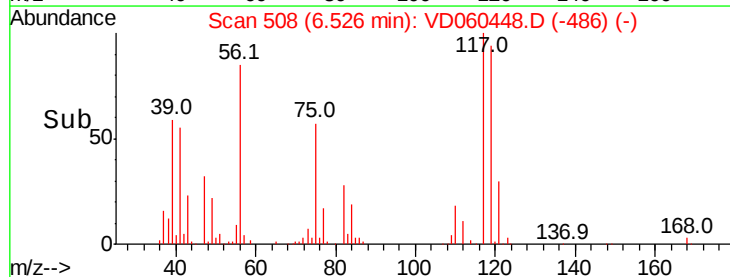
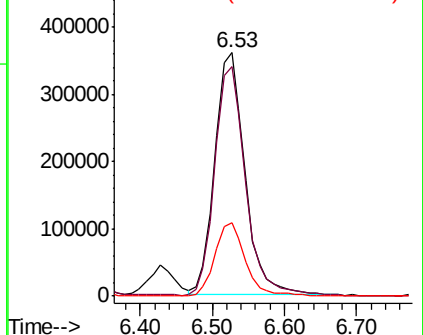


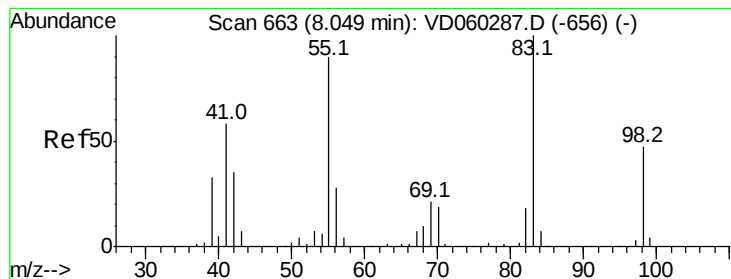
#38
Carbon Tetrachloride
Concen: 54.361 ug/l
RT: 6.53 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD060448.D
Acq: 26 Nov 2018 10:41

Tgt Ion: 117 Resp: 1034413
Ion Ratio Lower Upper
117 100
119 94.1 76.6 115.0
121 29.9 24.3 36.5



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 51.524 ug/l

RT: 8.06 min Scan# 664

Delta R.T. 0.01 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

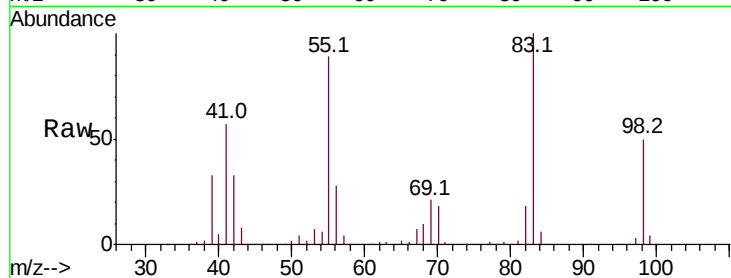
Tot Ion: 83 Resp: 1215610

Ion Ratio Lower Upper

83 100

55 89.4 71.2 106.8

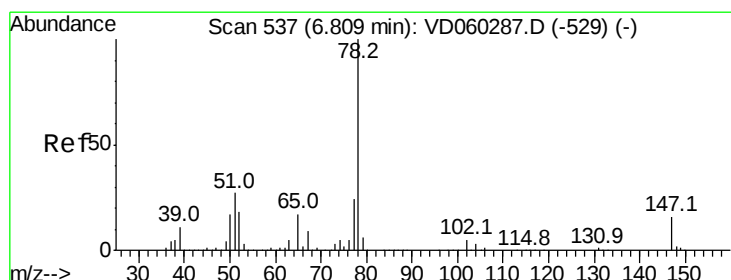
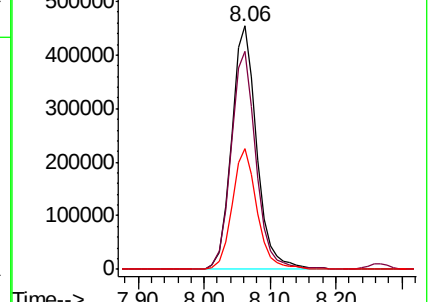
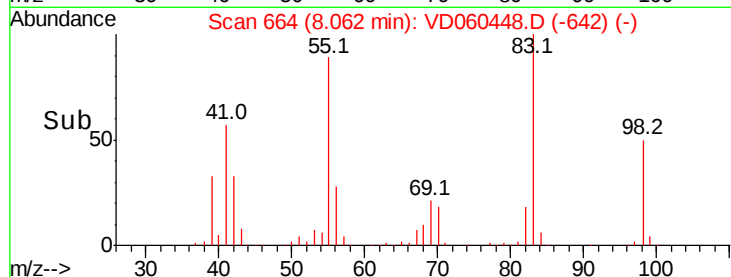
98 49.6 38.4 57.6



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 54.104 ug/l

RT: 6.82 min Scan# 538

Delta R.T. 0.01 min

Lab File: VD060448.D

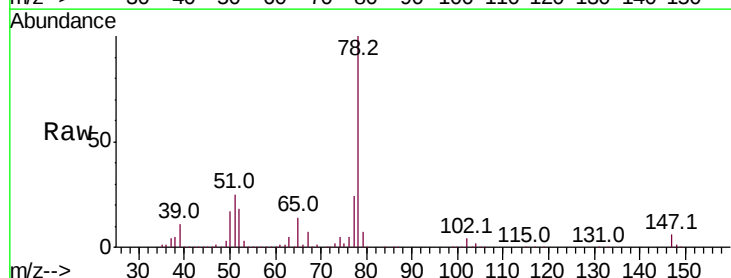
Acq: 26 Nov 2018 10:41

Tgt Ion: 78 Resp: 2832958

Ion Ratio Lower Upper

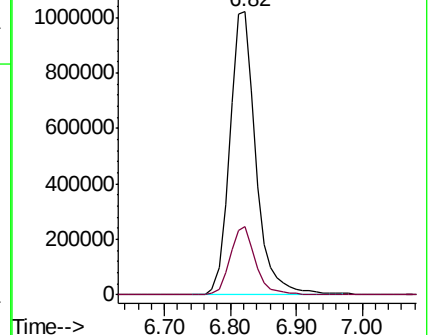
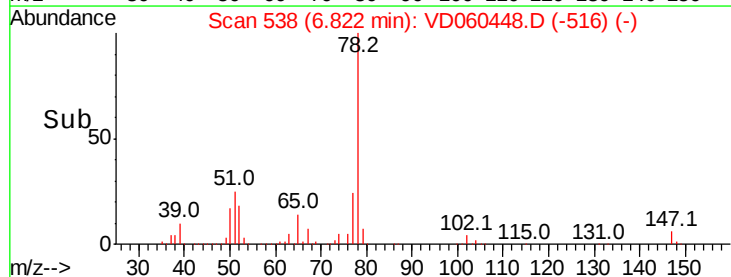
78 100

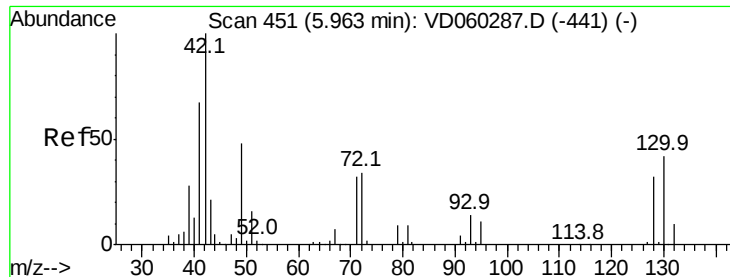
77 24.2 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

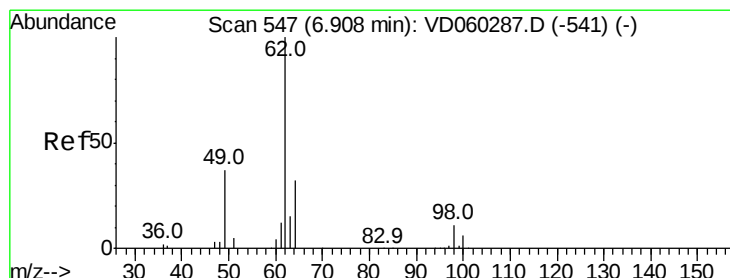
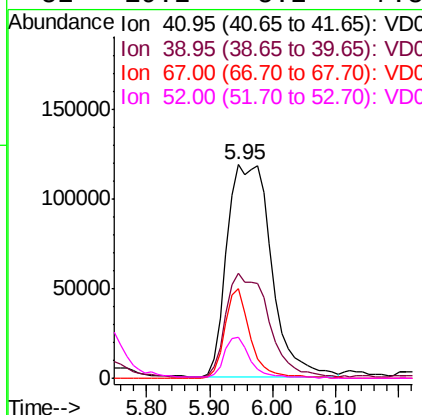
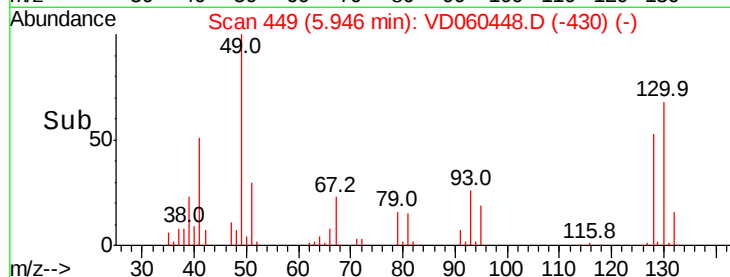
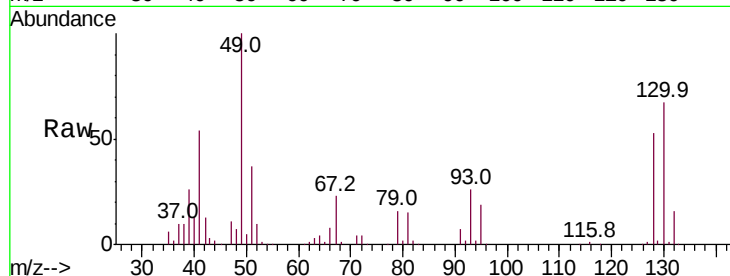




#41
Methacrylonitrile
Concen: 53.433 ug/l
RT: 5.95 min Scan# 449
Delta R.T. -0.02 min
Lab File: VD060448.D
Acq: 26 Nov 2018 10:41

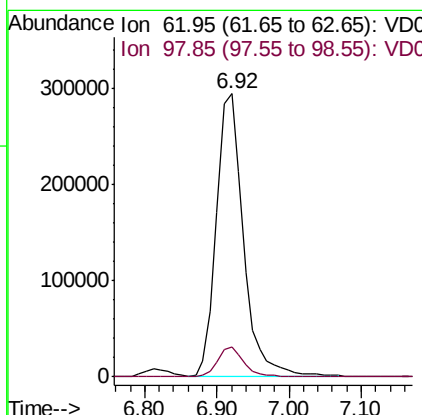
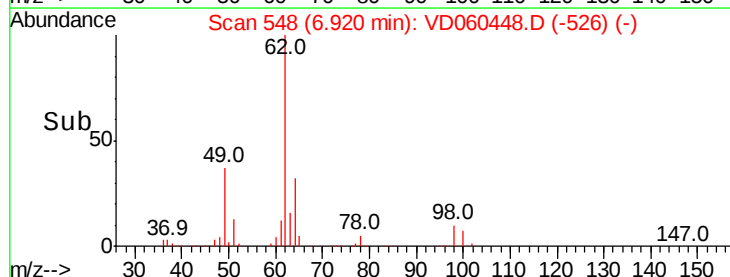
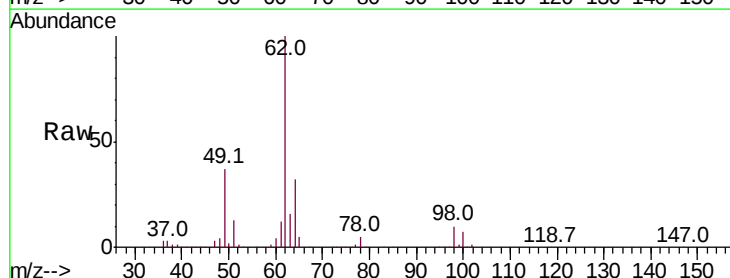
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

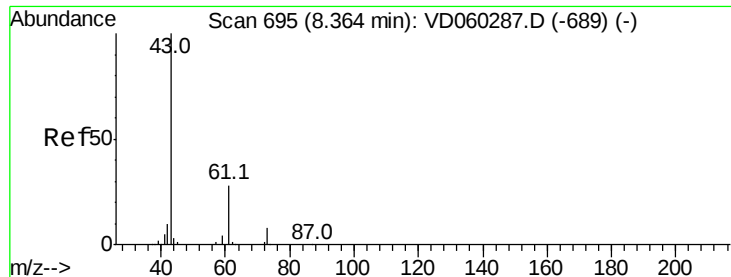
Tot Ion: 41 Resp: 577270
Ion Ratio Lower Upper
41 100
39 48.9 36.2 54.2
67 42.2 11.9 17.9#
52 19.2 5.2 7.8#



#42
1,2-Dichloroethane
Concen: 55.241 ug/l
RT: 6.92 min Scan# 548
Delta R.T. 0.01 min
Lab File: VD060448.D
Acq: 26 Nov 2018 10:41

Tgt Ion: 62 Resp: 757090
Ion Ratio Lower Upper
62 100
98 10.4 0.0 22.0





#43

Isopropyl Acetate

Concen: 53.940 ug/l

RT: 8.37 min Scan# 695

Delta R.T. 0.00 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

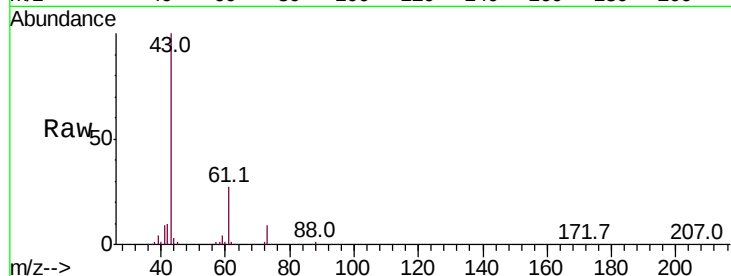
Tot Ion: 43 Resp: 639560

Ion Ratio Lower Upper

43 100

61 27.2 22.3 33.5

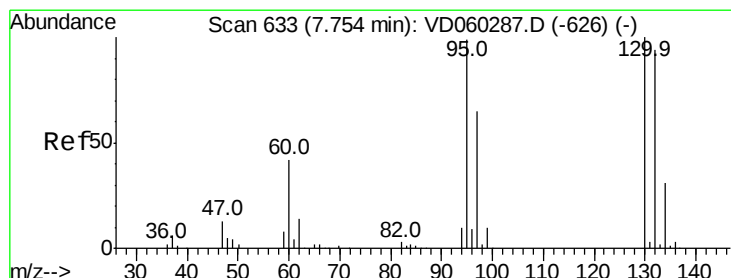
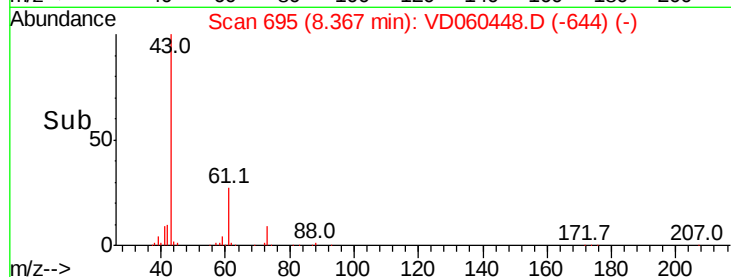
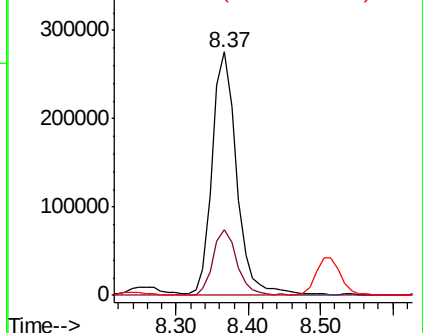
87 0.3 0.2 0.2#



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: 54.992 ug/l

RT: 7.76 min Scan# 633

Delta R.T. 0.00 min

Lab File: VD060448.D

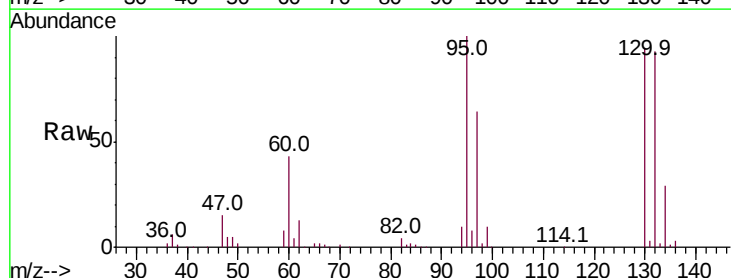
Acq: 26 Nov 2018 10:41

Tgt Ion:130 Resp: 872863

Ion Ratio Lower Upper

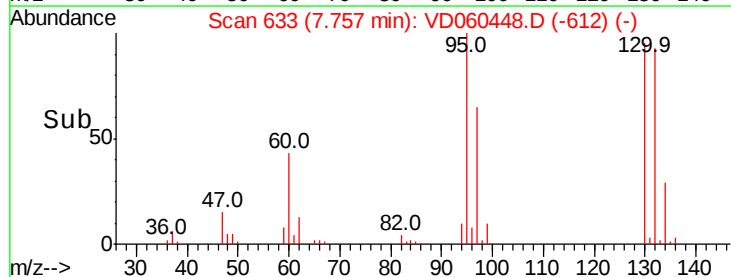
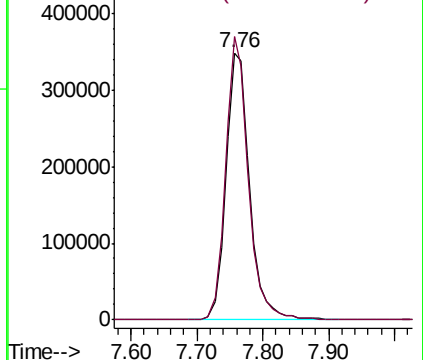
130 100

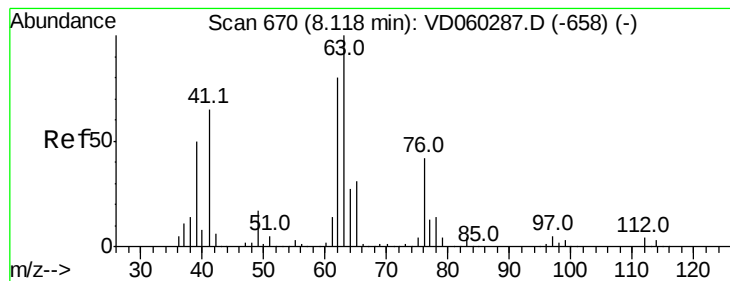
95 105.9 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 55.882 ug/l

RT: 8.12 min Scan# 670

Delta R.T. 0.00 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

Instrument :

MSVOA_D

ClientSampleId :

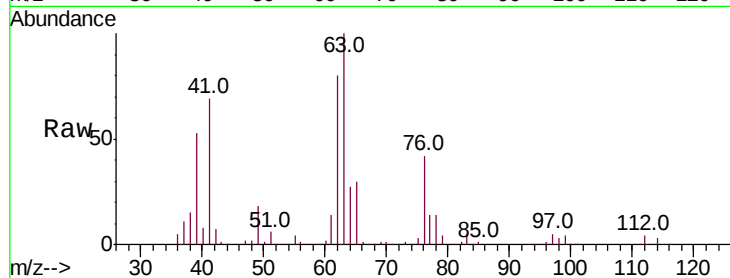
VSTDCCC050

Tot Ion: 63 Resp: 737961

Ion Ratio Lower Upper

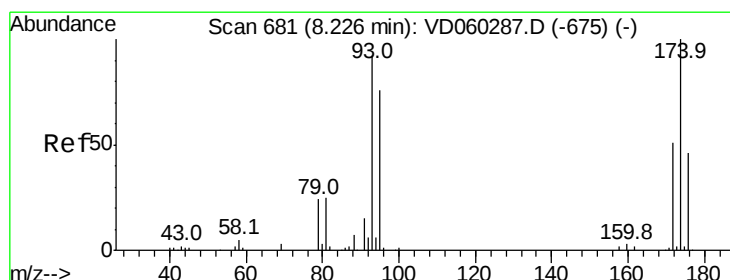
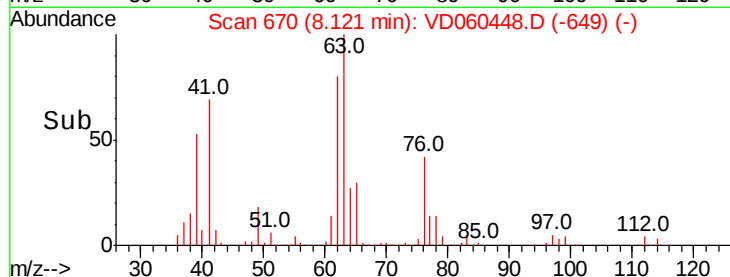
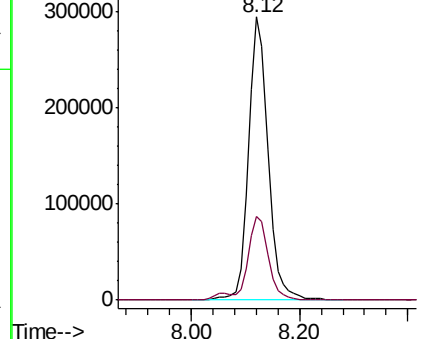
63 100

65 29.8 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: 54.904 ug/l

RT: 8.24 min Scan# 682

Delta R.T. 0.01 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

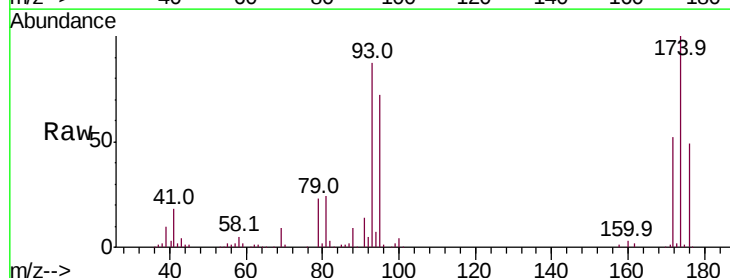
Tgt Ion: 93 Resp: 424643

Ion Ratio Lower Upper

93 100

95 83.0 66.4 99.6

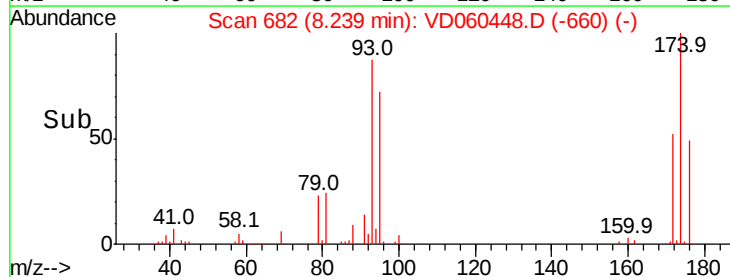
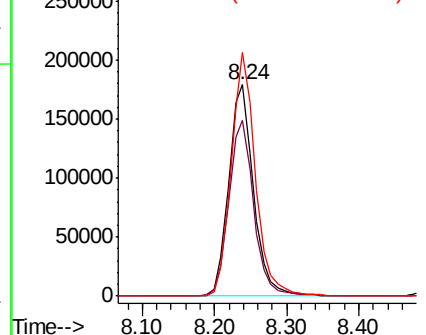
174 115.1 87.8 131.8

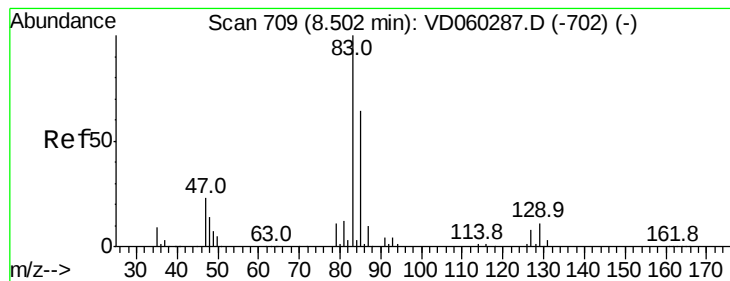


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 55.661 ug/l

RT: 8.50 min Scan# 709

Delta R.T. 0.00 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

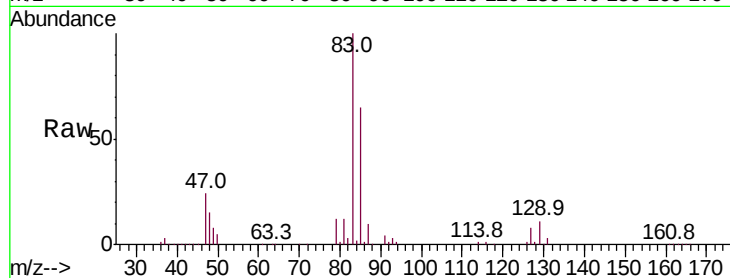
Tot Ion: 83 Resp: 1014463

Ion Ratio Lower Upper

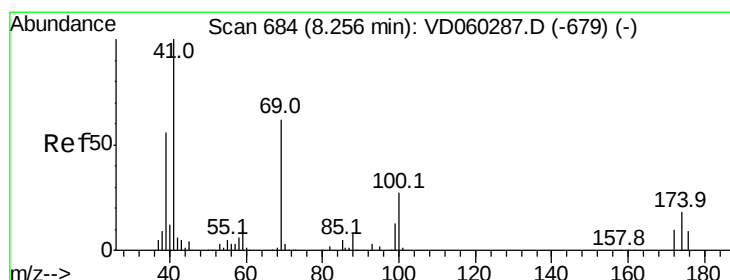
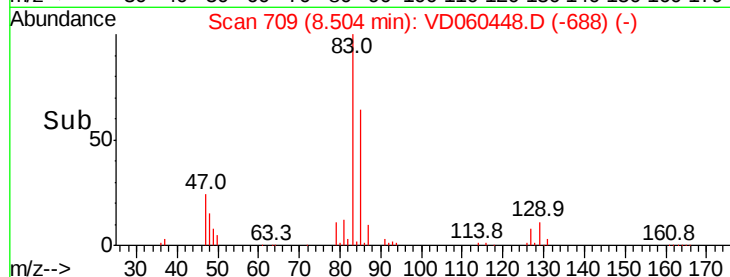
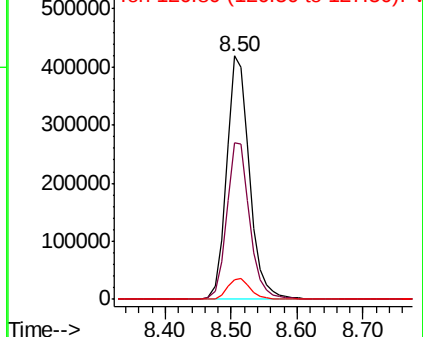
83 100

85 64.5 51.0 76.6

127 8.3 6.2 9.4



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



#48

Methyl methacrylate

Concen: 53.653 ug/l

RT: 8.26 min Scan# 684

Delta R.T. 0.00 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

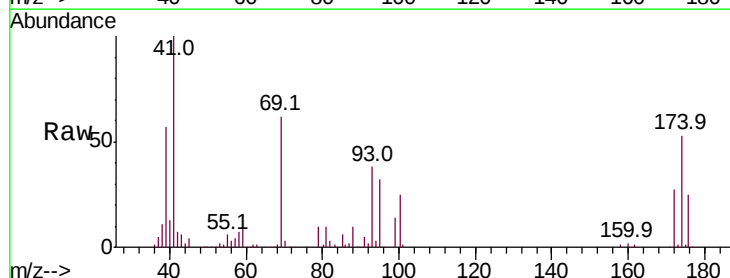
Tgt Ion: 41 Resp: 386416

Ion Ratio Lower Upper

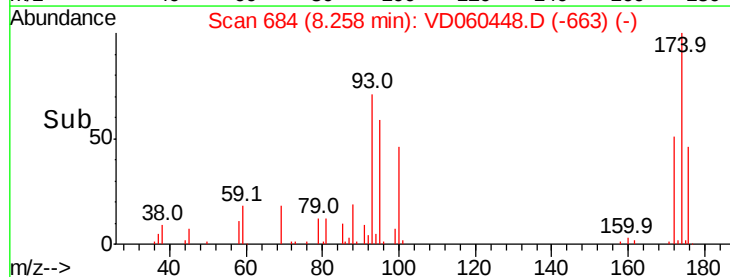
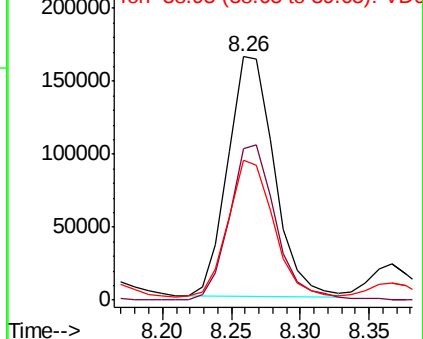
41 100

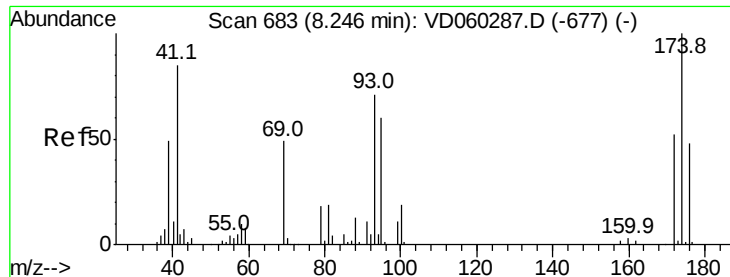
69 62.1 47.0 70.4

39 57.3 46.2 69.4



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





#49

1,4-Dioxane

Concen: 1170.494 ug/l

RT: 8.25 min Scan# 683

Delta R.T. 0.00 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

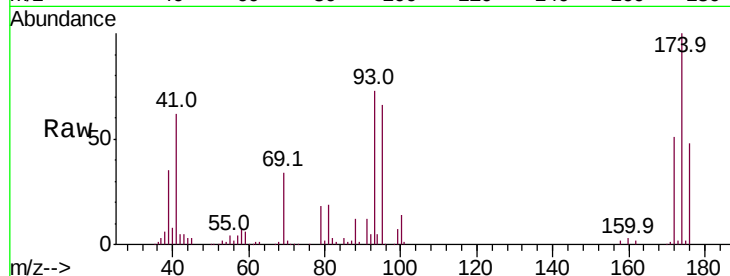
Tot Ion: 88 Resp: 72939

Ion Ratio Lower Upper

88 100

43 44.0 39.7 59.5

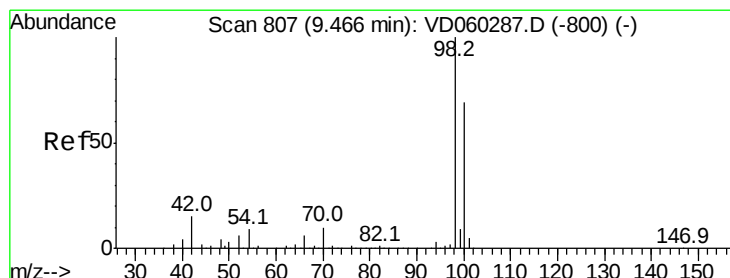
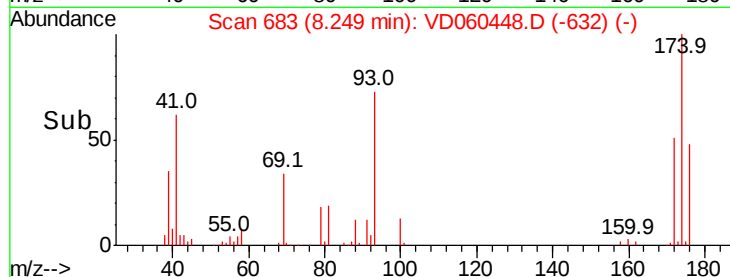
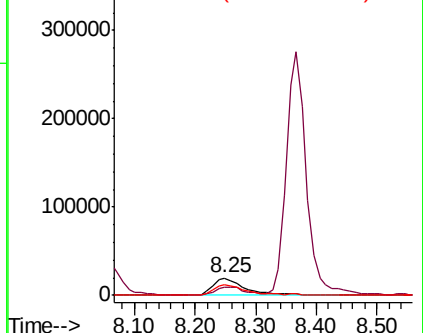
58 62.6 60.2 90.2



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: 1170.494 ug/l

RT: 9.47 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD060448.D

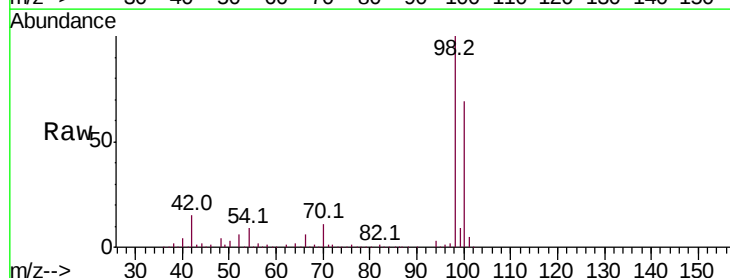
Acq: 26 Nov 2018 10:41

Tgt Ion: 98 Resp: 2173731

Ion Ratio Lower Upper

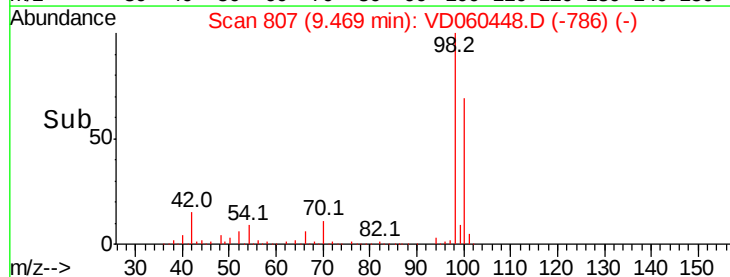
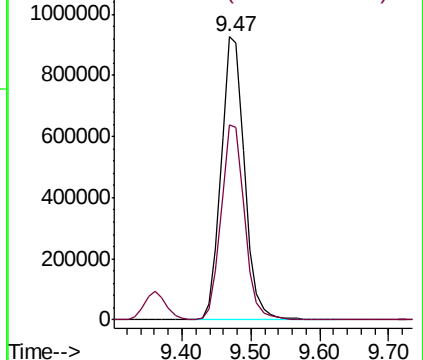
98 100

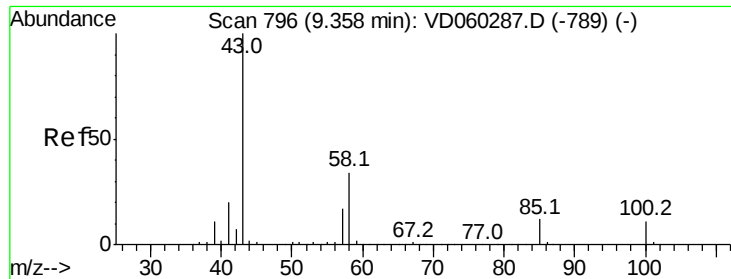
100 68.8 55.2 82.8



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: 260.183 ug/l

RT: 9.36 min Scan# 796

Delta R.T. 0.00 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

Instrument :

MSVOA_D

ClientSampleId :

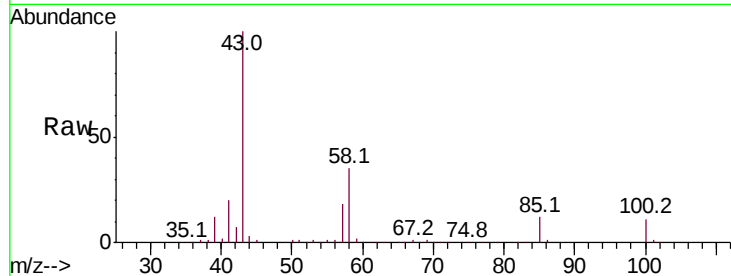
VSTDCCC050

Tot Ion: 43 Resp: 2007874

Ion Ratio Lower Upper

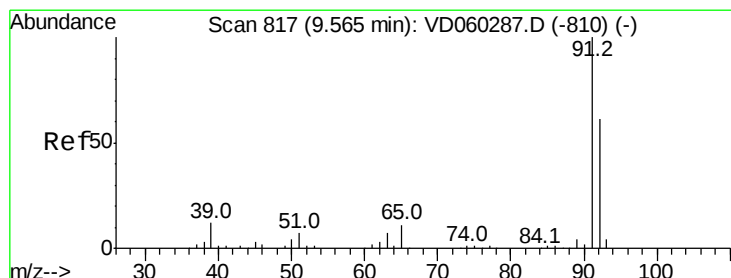
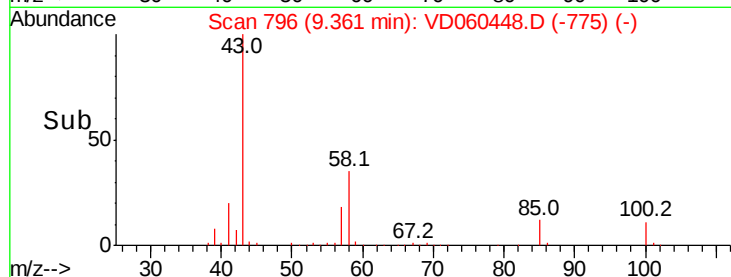
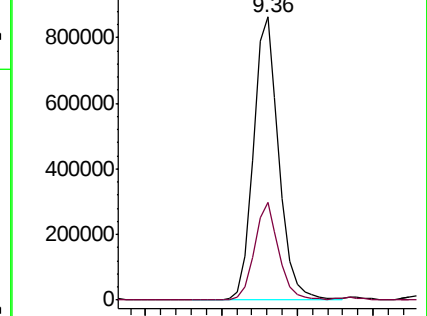
43 100

58 34.5 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 54.529 ug/l

RT: 9.57 min Scan# 817

Delta R.T. 0.00 min

Lab File: VD060448.D

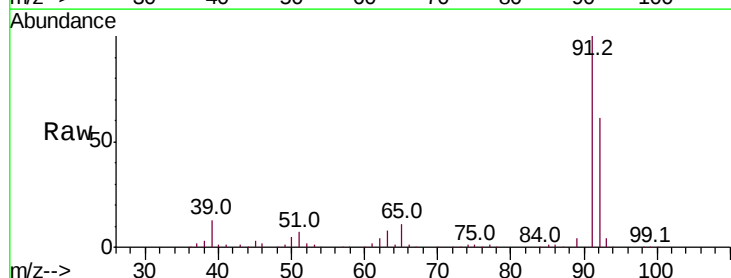
Acq: 26 Nov 2018 10:41

Tgt Ion: 92 Resp: 1823861

Ion Ratio Lower Upper

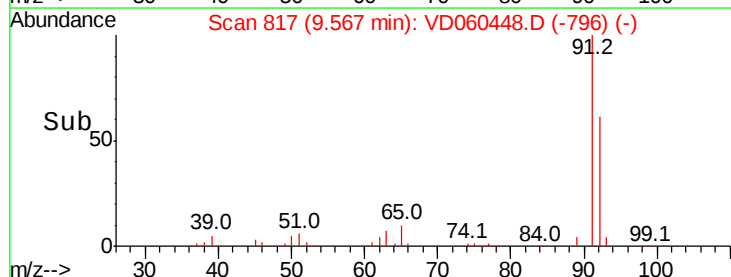
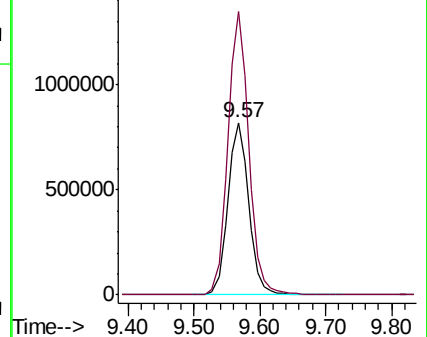
92 100

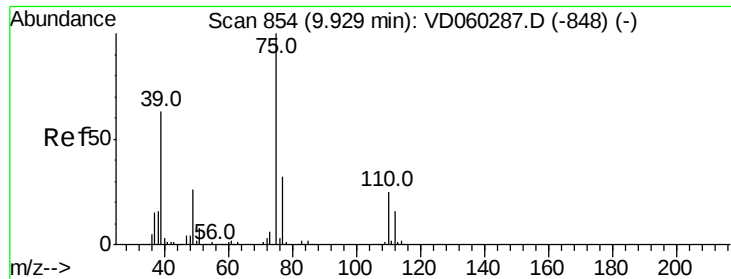
91 164.1 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

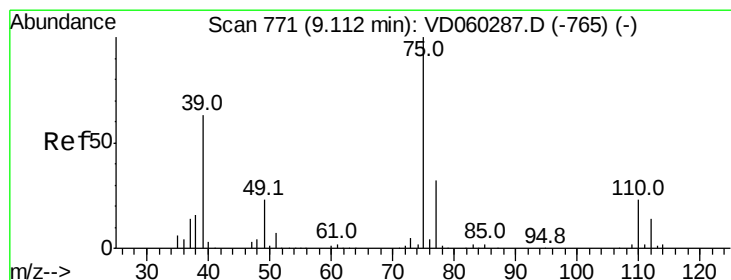
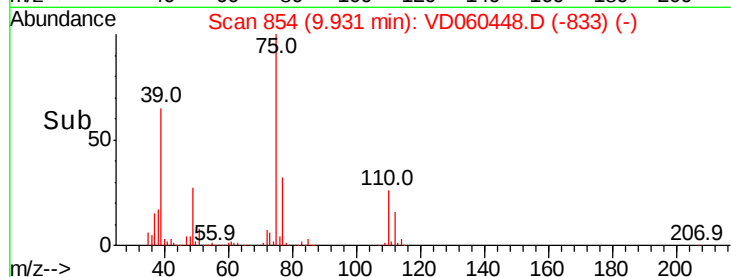
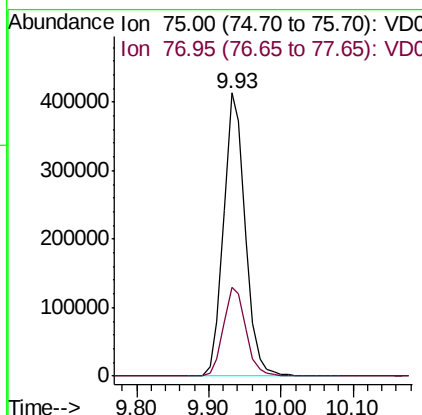
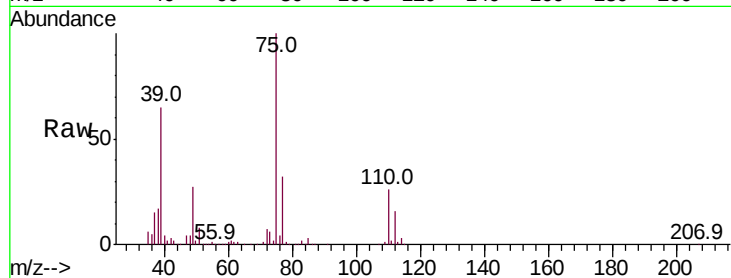




#53
 t-1,3-Dichloropropene
 Concen: 55.748 ug/l
 RT: 9.93 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: VD060448.D
 Acq: 26 Nov 2018 10:41

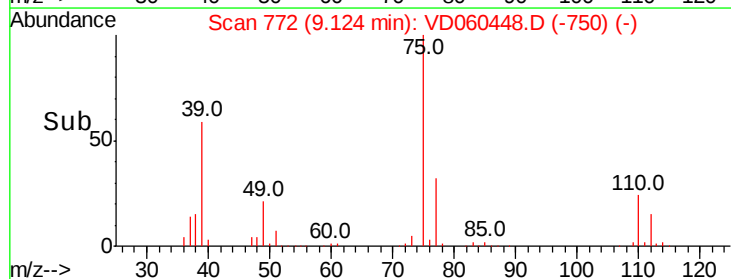
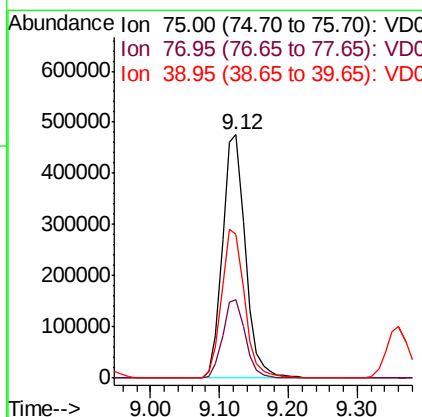
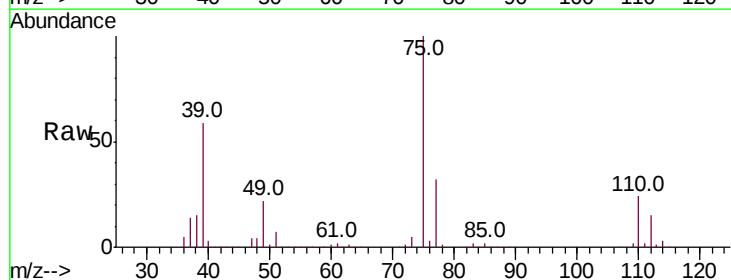
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

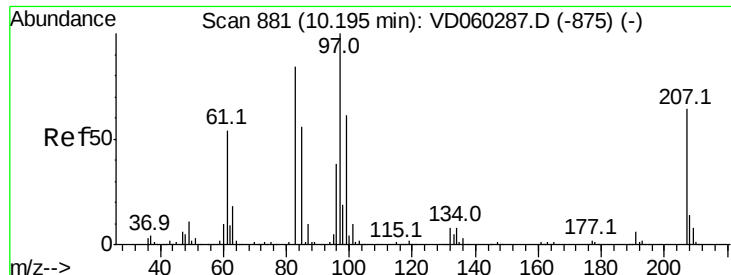
Tot Ion: 75 Resp: 858486
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 55.441 ug/l
 RT: 9.12 min Scan# 772
 Delta R.T. 0.01 min
 Lab File: VD060448.D
 Acq: 26 Nov 2018 10:41

Tgt Ion: 75 Resp: 1095023
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.3 39.5
 39 59.2 50.8 76.2



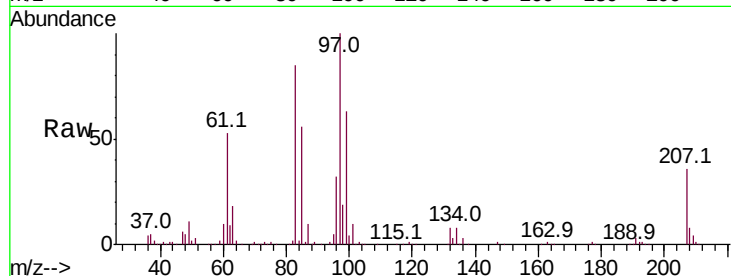


#55
 1,1,2-Trichloroethane
 Concen: 51.721 ug/l
 RT: 10.20 min Scan# 881
 Delta R.T. 0.00 min
 Lab File: VD060448.D
 Acq: 26 Nov 2018 10:41

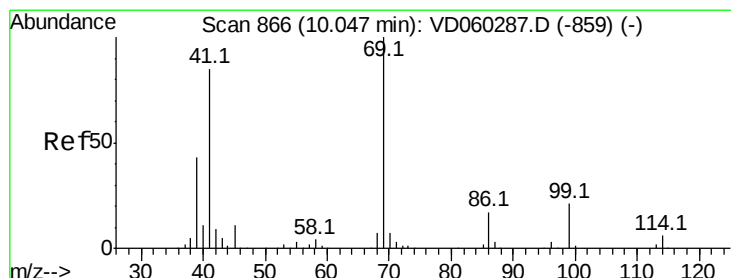
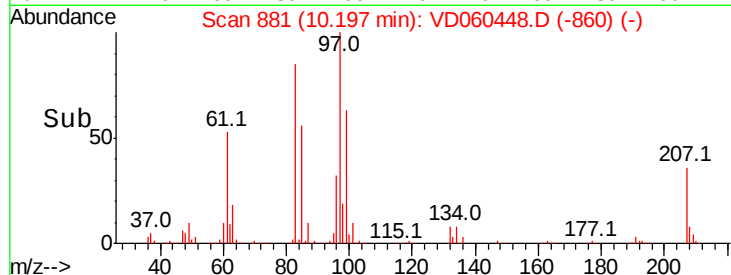
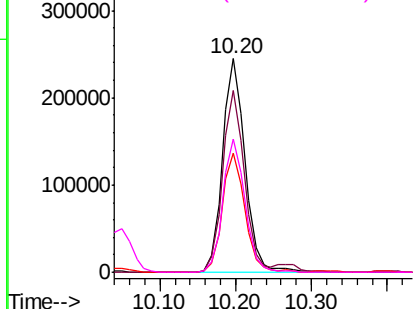
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 501398

Ion	Ratio	Lower	Upper
97	100		
83	85.0	68.4	102.6
85	55.7	46.8	70.2
99	62.5	49.5	74.3



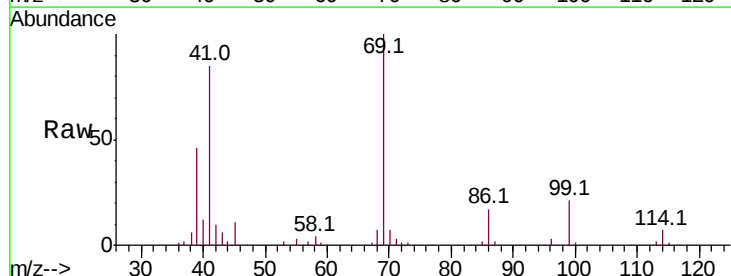
Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC



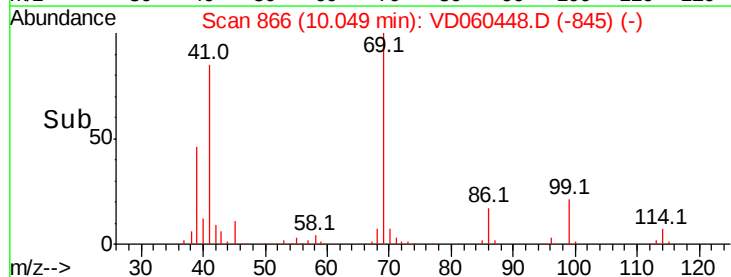
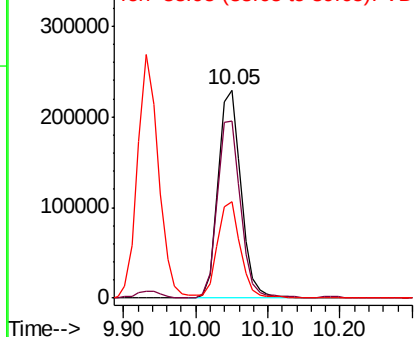
#56
 Ethyl methacrylate
 Concen: 56.237 ug/l
 RT: 10.05 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VD060448.D
 Acq: 26 Nov 2018 10:41

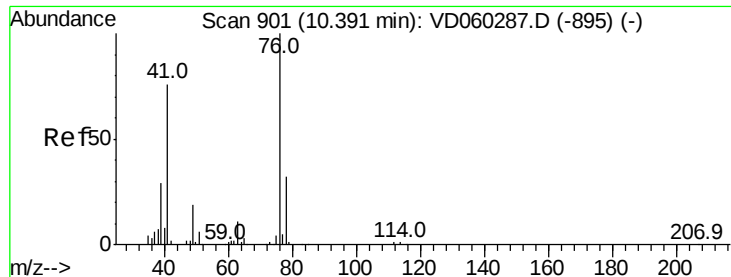
Tgt Ion: 69 Resp: 501265

Ion	Ratio	Lower	Upper
69	100		
41	84.8	69.0	103.4
39	46.3	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: 53.318 ug/l

RT: 10.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

Instrument :

MSVOA_D

ClientSampleId :

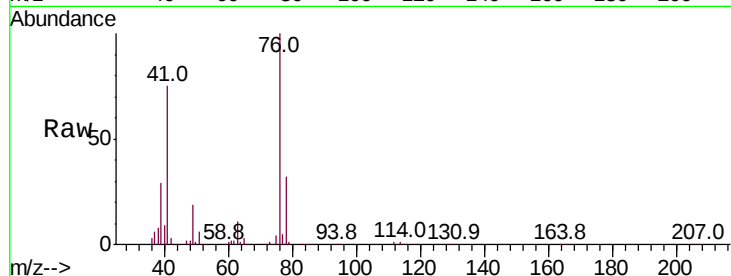
VSTDCCC050

Tot Ion: 76 Resp: 787618

Ion Ratio Lower Upper

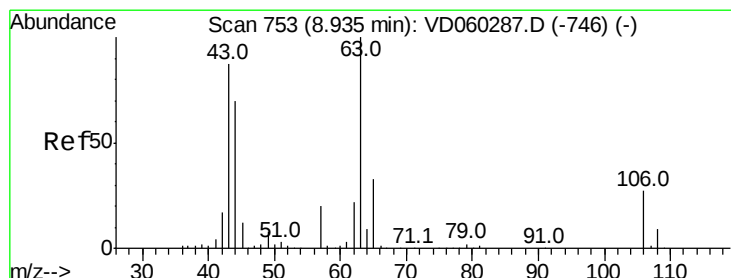
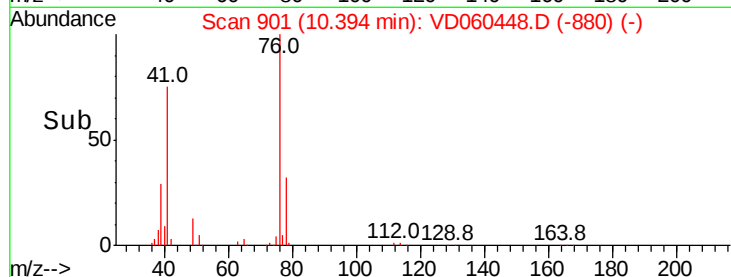
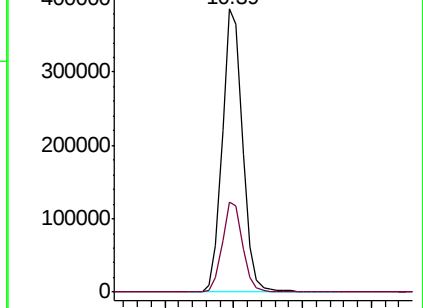
76 100

78 32.0 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: 260.674 ug/l

RT: 8.94 min Scan# 753

Delta R.T. 0.00 min

Lab File: VD060448.D

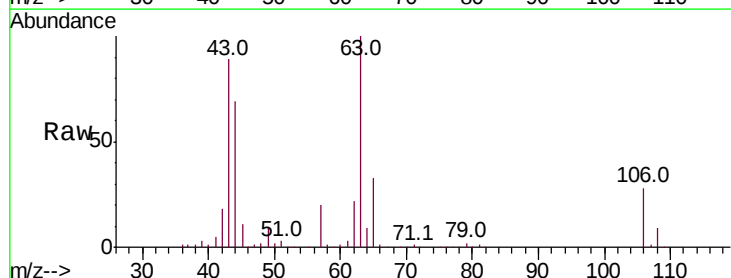
Acq: 26 Nov 2018 10:41

Tgt Ion: 63 Resp: 1404912

Ion Ratio Lower Upper

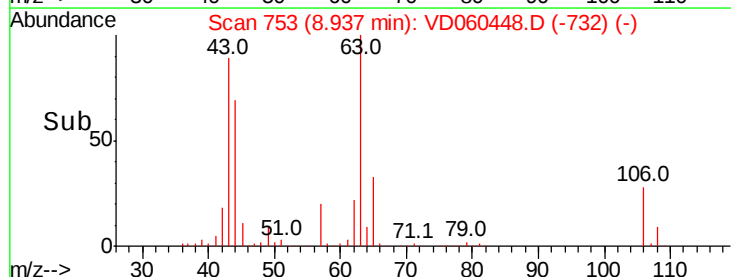
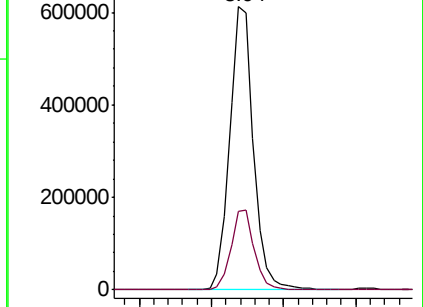
63 100

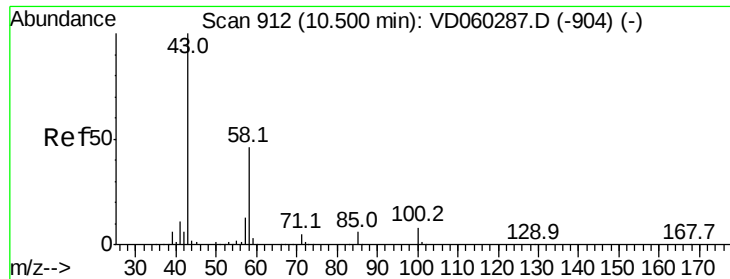
106 27.7 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

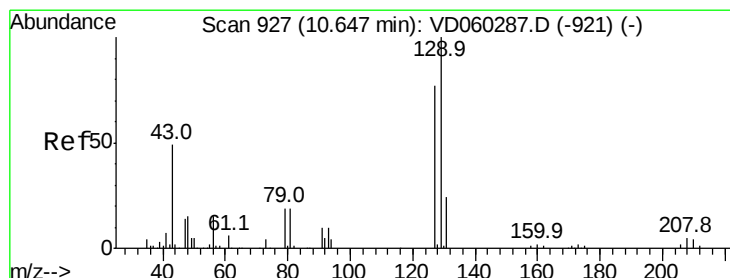
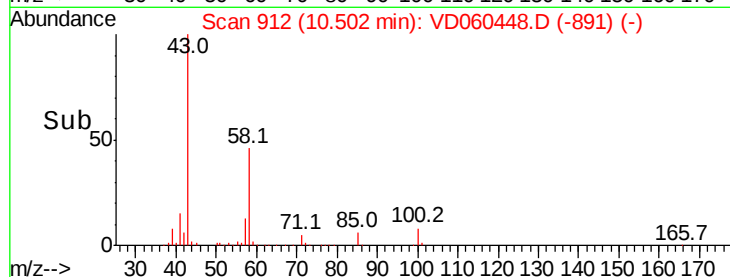
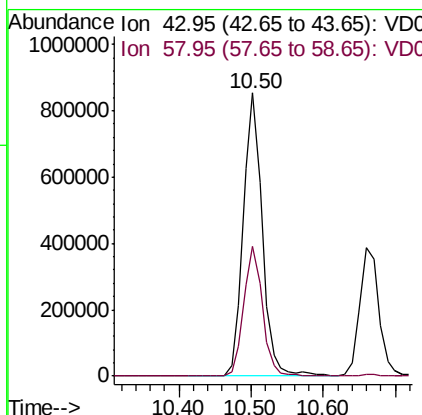
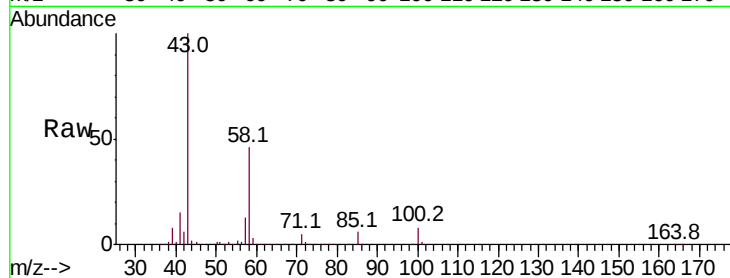




#59
2-Hexanone
Concen: 286.439 ug/l
RT: 10.50 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD060448.D
Acq: 26 Nov 2018 10:41

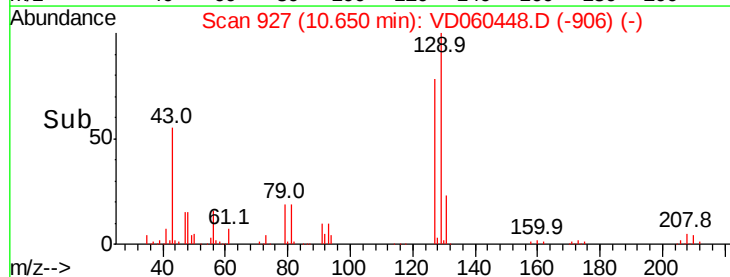
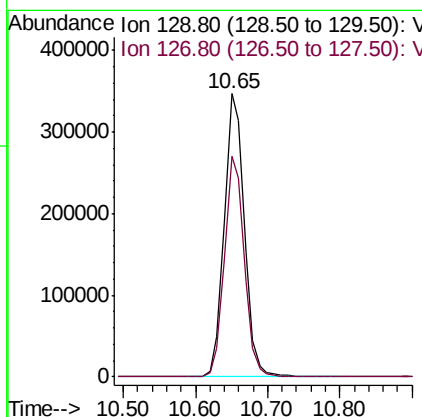
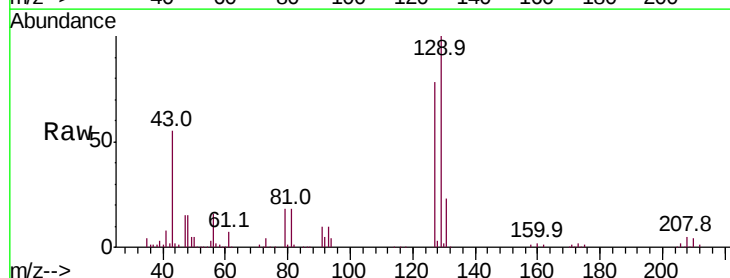
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

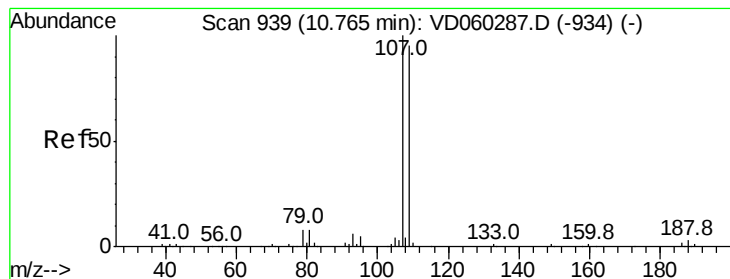
Tot Ion: 43 Resp: 1575501
Ion Ratio Lower Upper
43 100
58 45.8 22.9 68.5



#60
Dibromochloromethane
Concen: 56.744 ug/l
RT: 10.65 min Scan# 927
Delta R.T. 0.00 min
Lab File: VD060448.D
Acq: 26 Nov 2018 10:41

Tgt Ion: 129 Resp: 668689
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.6





#61

1,2-Dibromoethane

Concen: 54.749 ug/l

RT: 10.77 min Scan# 939

Delta R.T. 0.00 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

Instrument :

MSVOA_D

ClientSampleId :

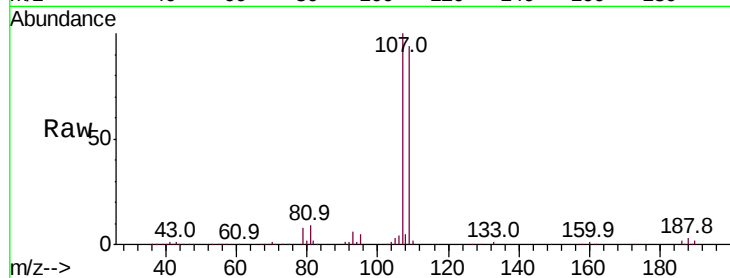
VSTDCCC050

Tot Ion:107 Resp: 531790

Ion Ratio Lower Upper

107 100

109 94.0 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.77

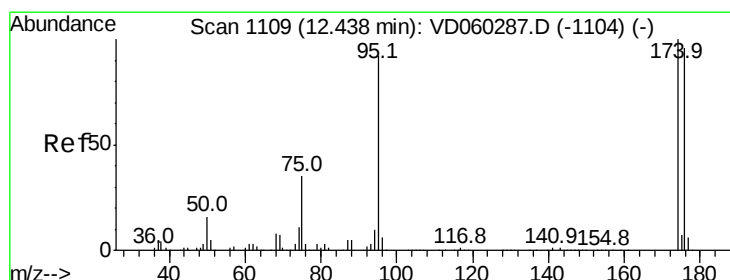
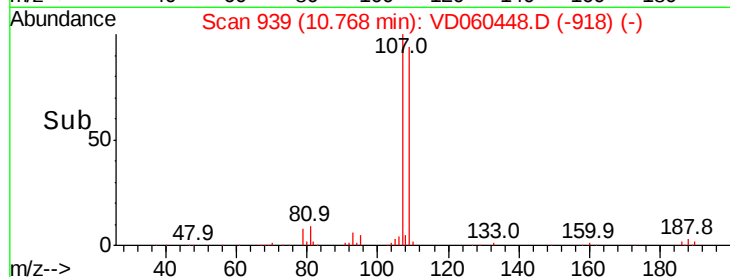
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 54.749 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

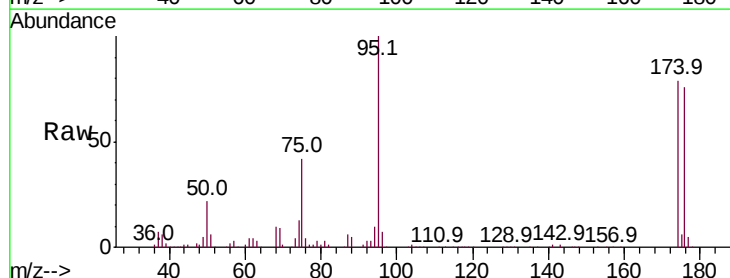
Tgt Ion: 95 Resp: 783657

Ion Ratio Lower Upper

95 100

174 78.9 0.0 160.8

176 76.3 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

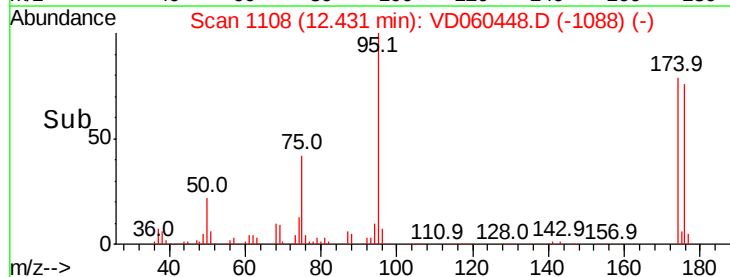
600000

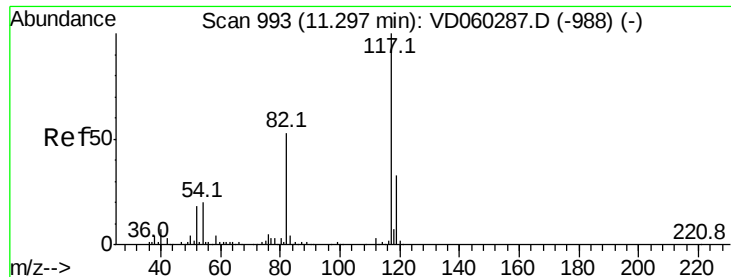
400000

200000

0

Time-->

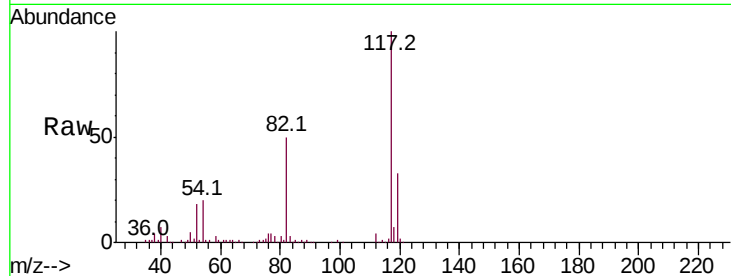




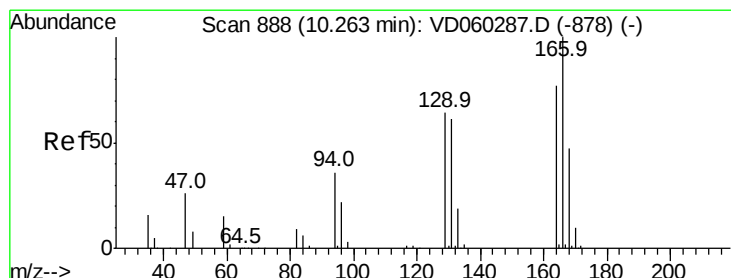
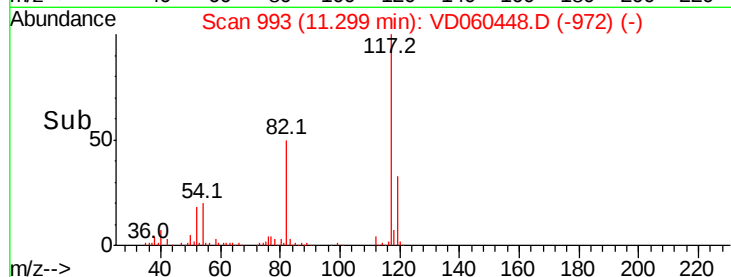
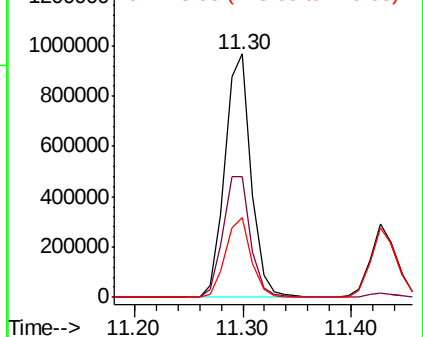
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 993
Delta R.T. 0.00 min
Lab File: VD060448.D
Acq: 26 Nov 2018 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1635243
Ion Ratio Lower Upper
117 100
82 49.8 43.7 65.5
119 32.5 26.1 39.1

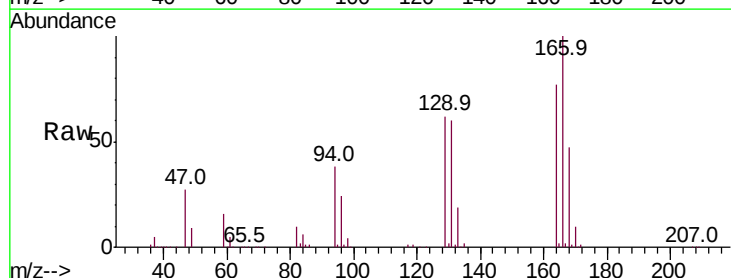


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

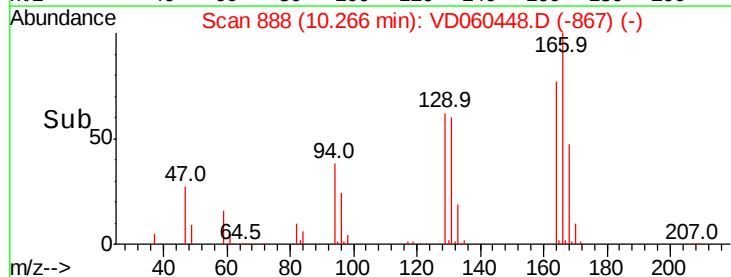
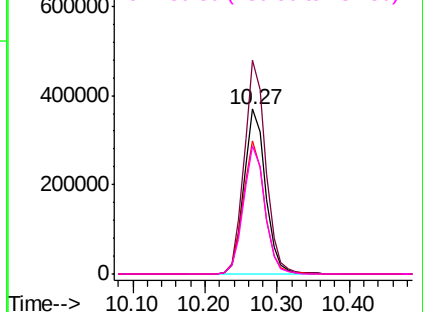


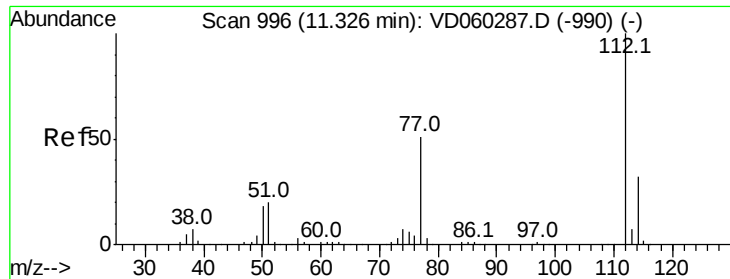
#64
Tetrachloroethene
Concen: 53.249 ug/l
RT: 10.27 min Scan# 888
Delta R.T. 0.00 min
Lab File: VD060448.D
Acq: 26 Nov 2018 10:41

Tgt Ion:164 Resp: 777348
Ion Ratio Lower Upper
164 100
166 129.8 103.7 155.5
129 81.0 65.6 98.4
131 77.7 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: 55.166 ug/l

RT: 11.33 min Scan# 996

Delta R.T. 0.00 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

Instrument :

MSVOA_D

ClientSampleId :

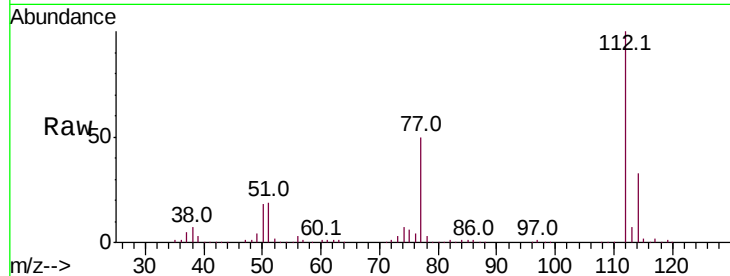
VSTDCCC050

Tot Ion:112 Resp: 1954580

Ion Ratio Lower Upper

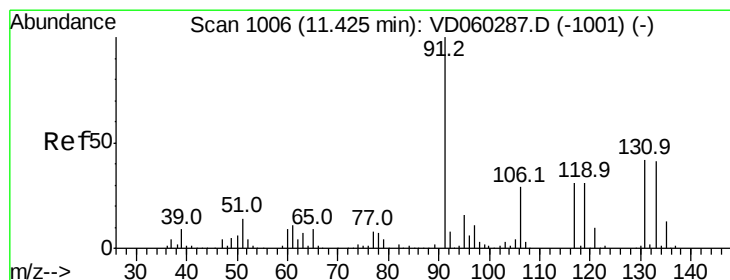
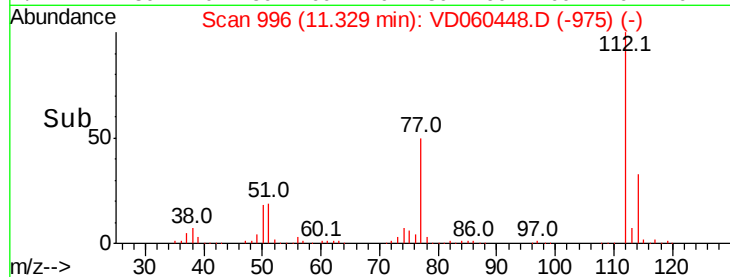
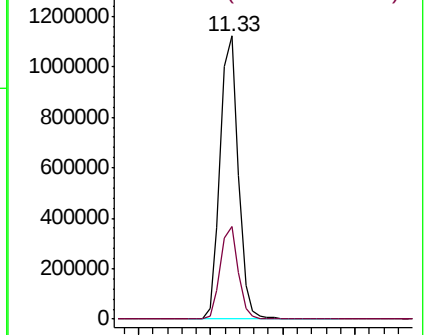
112 100

114 32.5 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 55.124 ug/l

RT: 11.43 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

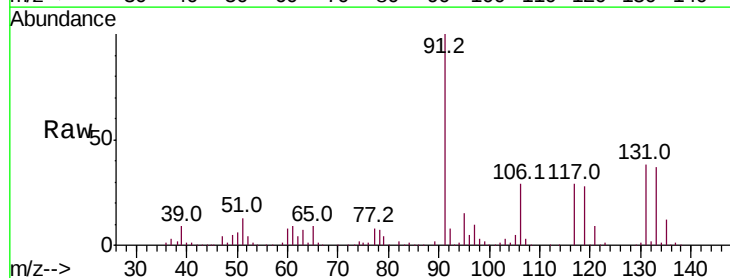
Tgt Ion:131 Resp: 639035

Ion Ratio Lower Upper

131 100

133 96.6 50.0 150.0

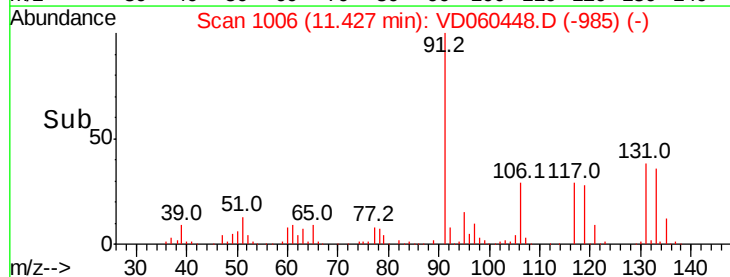
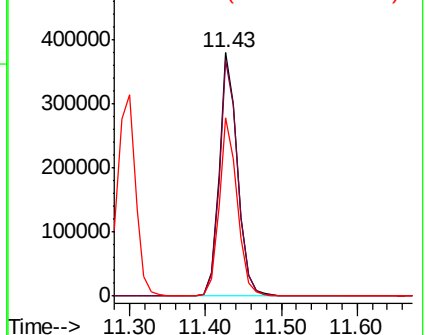
119 73.4 37.0 111.1

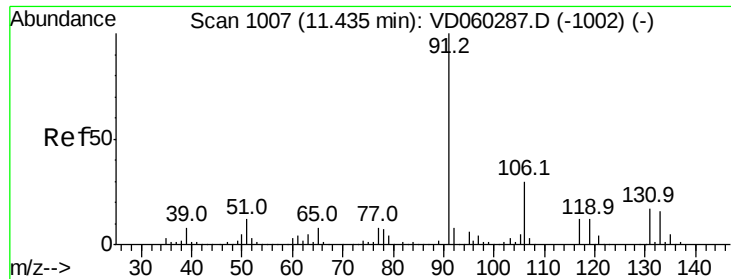


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

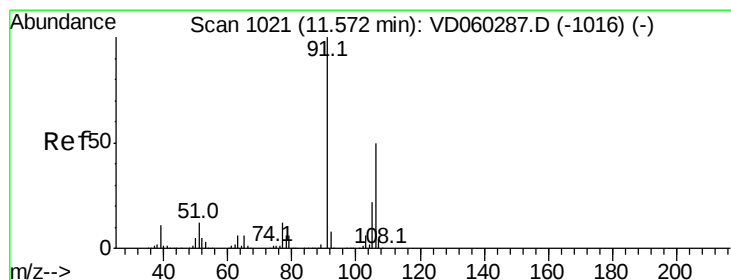
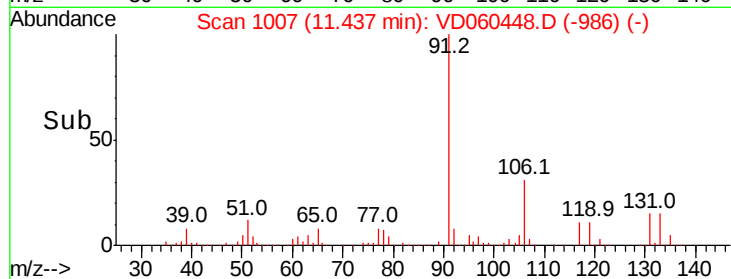
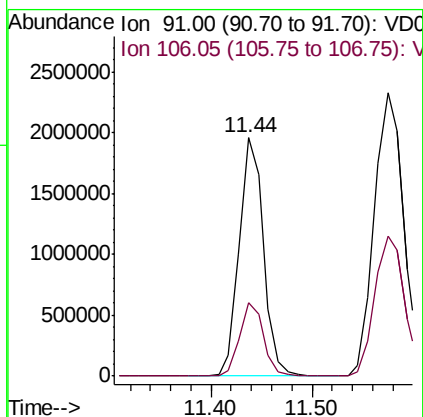
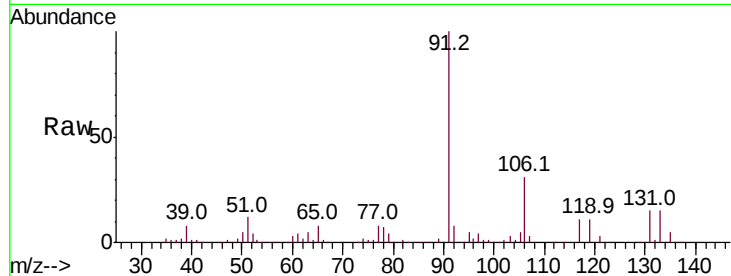




#67
Ethyl Benzene
Concen: 53.936 ug/l
RT: 11.44 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VD060448.D
Acq: 26 Nov 2018 10:41

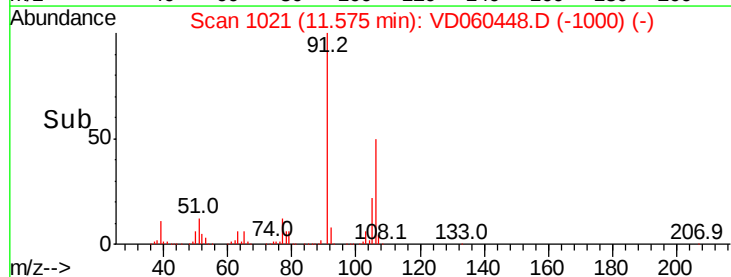
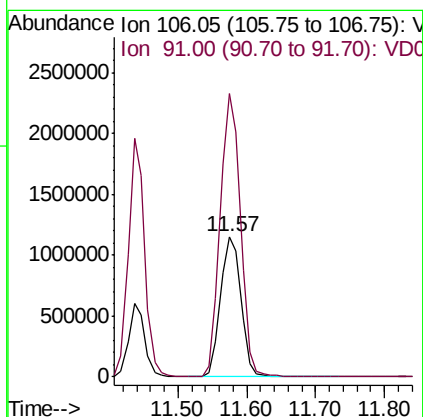
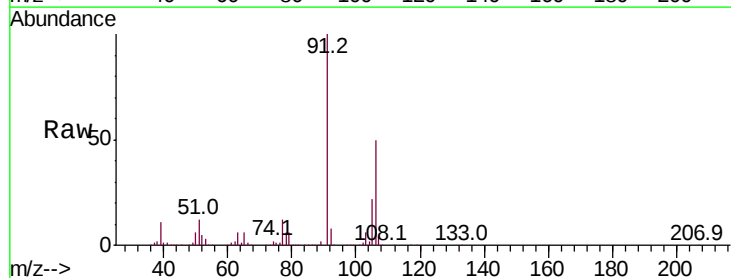
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

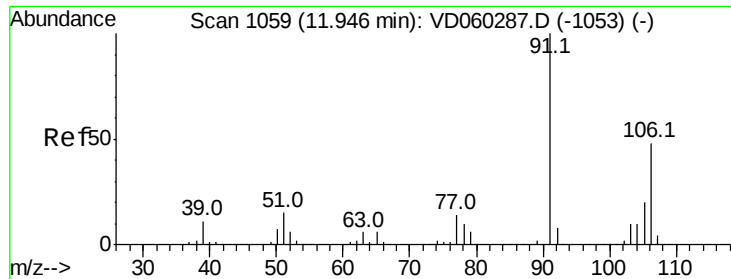
Tot Ion: 91 Resp: 3269066
Ion Ratio Lower Upper
91 100
106 31.0 24.6 36.8



#68
m/p-Xylenes
Concen: 105.864 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VD060448.D
Acq: 26 Nov 2018 10:41

Tgt Ion: 106 Resp: 2366902
Ion Ratio Lower Upper
106 100
91 201.3 159.4 239.2

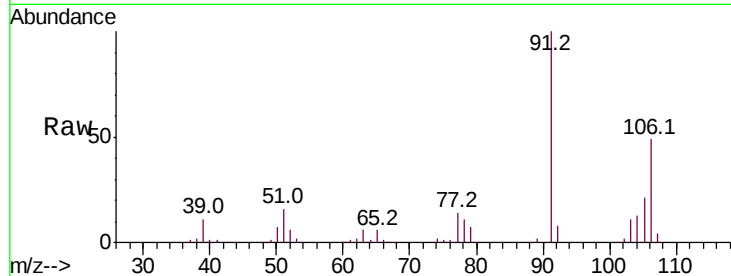




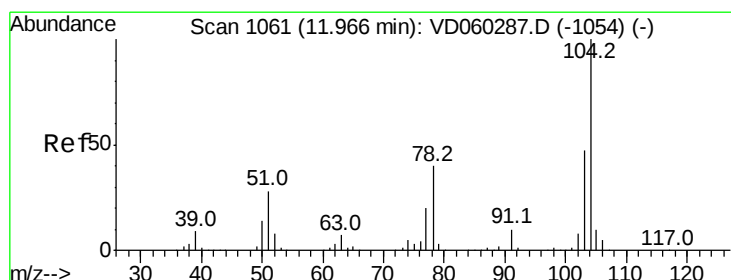
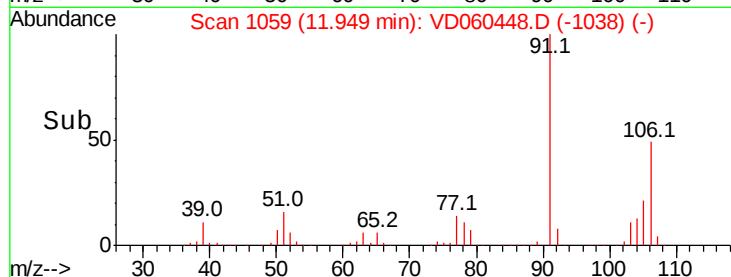
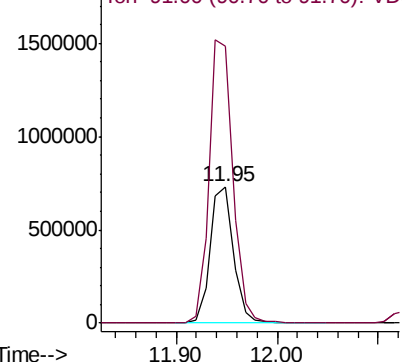
#69
o-Xylene
Concen: 54.395 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD060448.D
Acq: 26 Nov 2018 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1174920
Ion Ratio Lower Upper
106 100
91 203.0 109.2 327.6

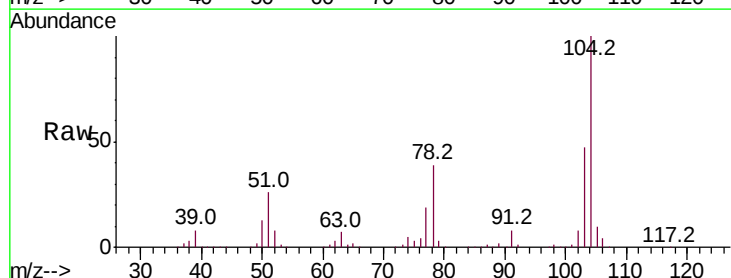


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

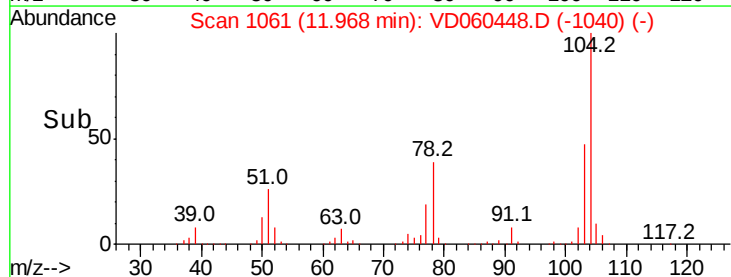
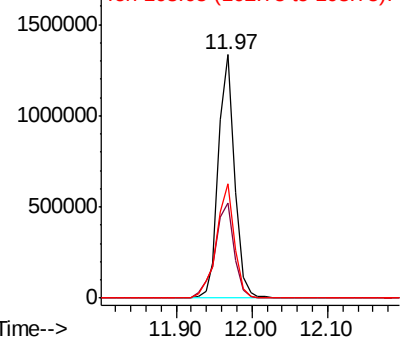


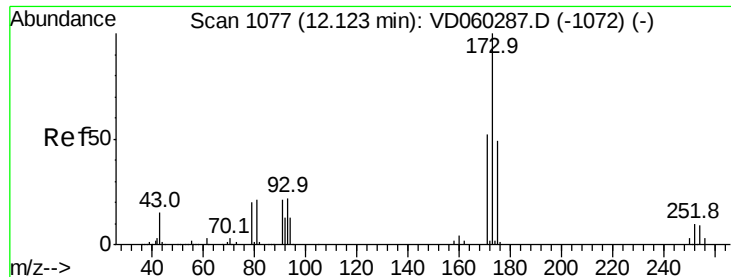
#70
Styrene
Concen: 55.909 ug/l
RT: 11.97 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VD060448.D
Acq: 26 Nov 2018 10:41

Tgt Ion:104 Resp: 1951634
Ion Ratio Lower Upper
104 100
78 39.2 31.6 47.4
103 47.1 37.0 55.6



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





#71

Bromoform

Concen: 58.178 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

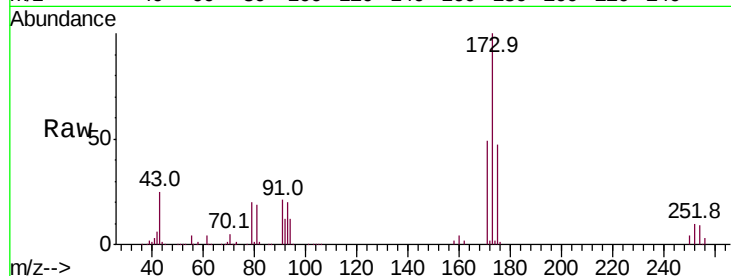
Tot Ion:173 Resp: 453204

Ion Ratio Lower Upper

173 100

175 46.6 24.3 73.0

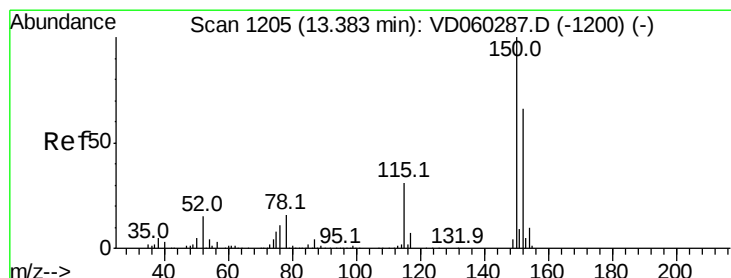
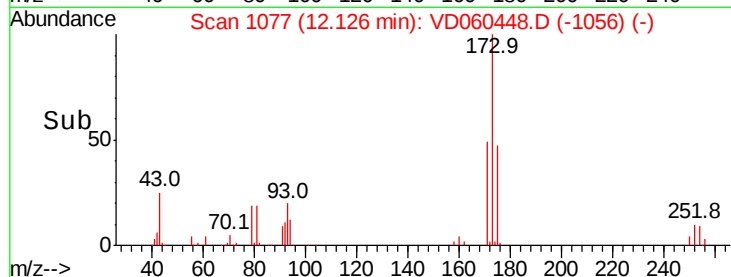
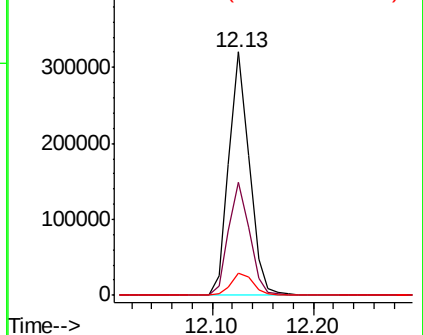
254 9.2 8.3 12.5



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: 13.38 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

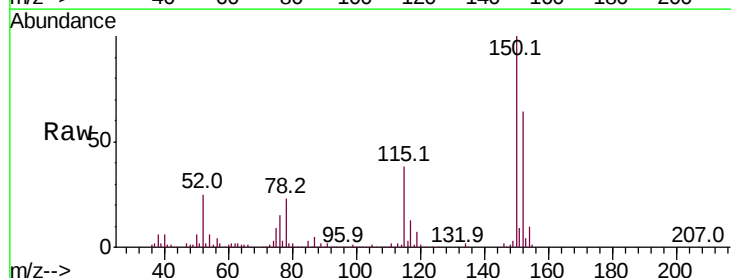
Tgt Ion:152 Resp: 809320

Ion Ratio Lower Upper

152 100

115 58.6 24.1 72.3

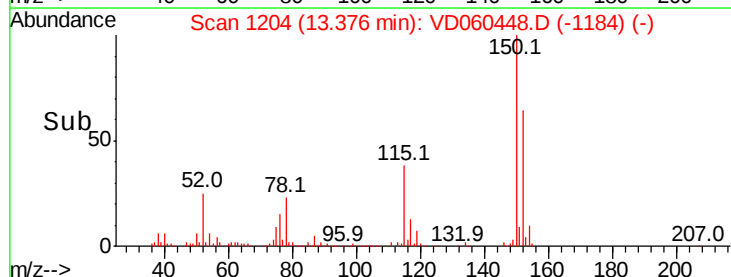
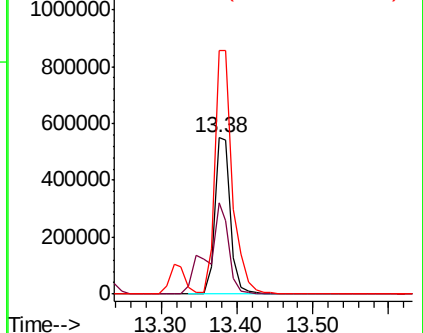
150 155.9 0.0 310.6

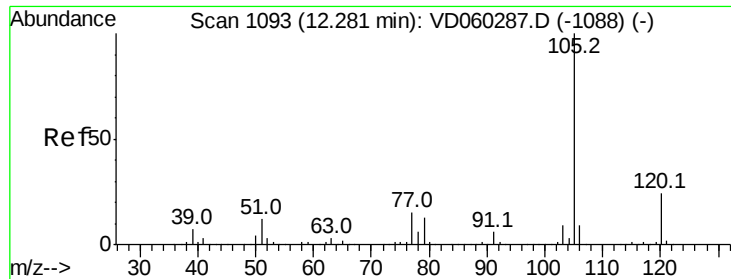


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.490 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

Instrument :

MSVOA_D

ClientSampleId :

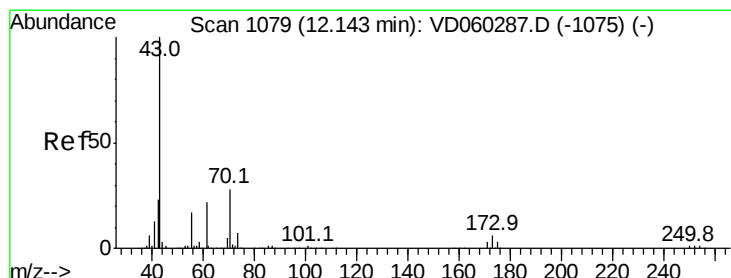
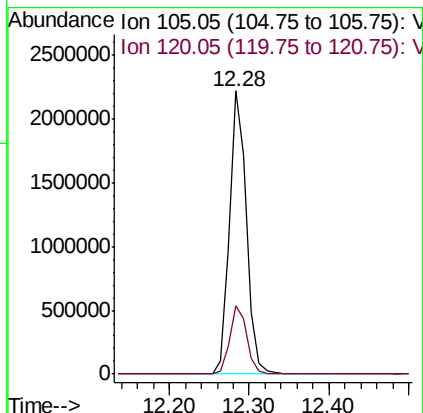
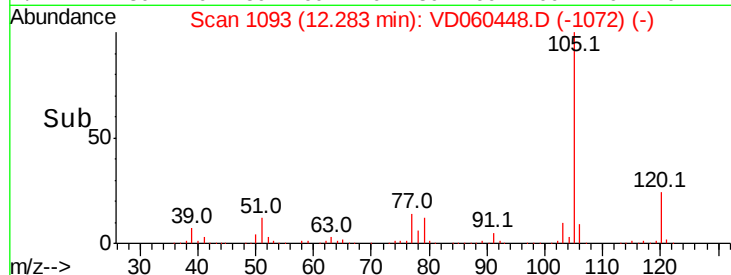
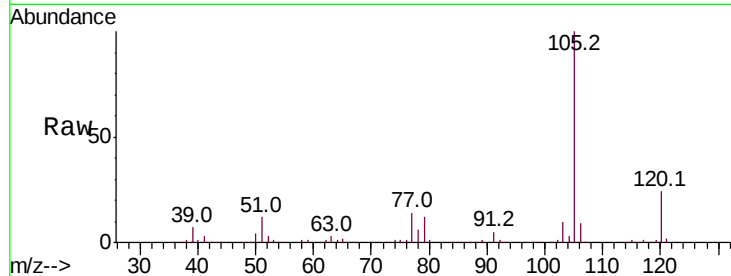
VSTDCCC050

Tot Ion:105 Resp: 3330916

Ion Ratio Lower Upper

105 100

120 24.0 12.1 36.3



#74

N-ethyl acetate

Concen: 55.652 ug/l

RT: 12.15 min Scan# 1079

Delta R.T. 0.00 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

Tgt Ion: 43 Resp: 841312

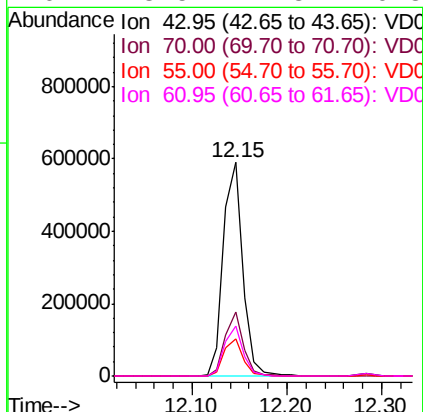
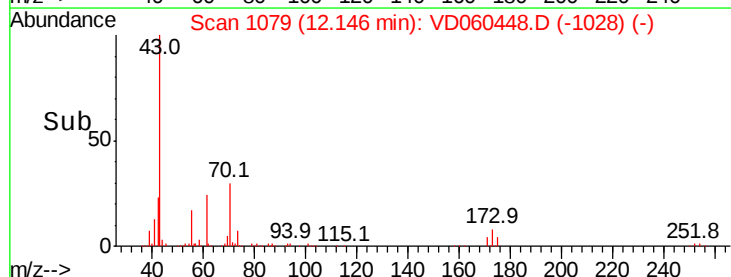
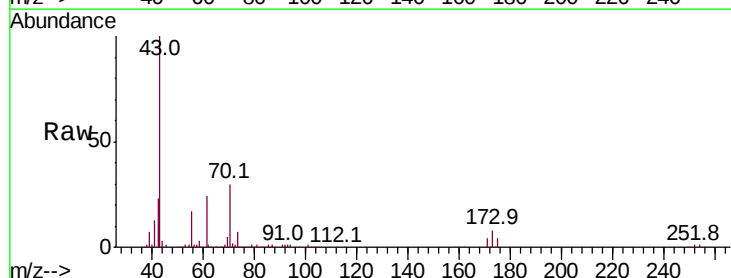
Ion Ratio Lower Upper

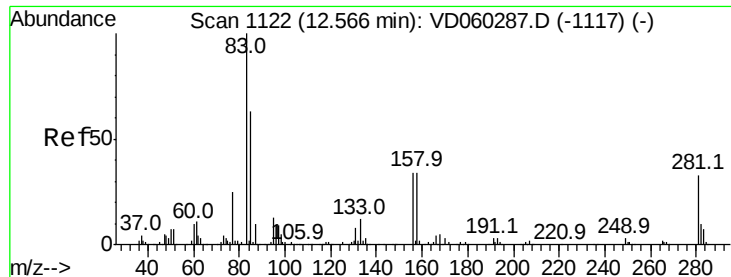
43 100

70 29.8 23.0 34.4

55 17.4 14.2 21.4

61 23.5 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 53.649 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

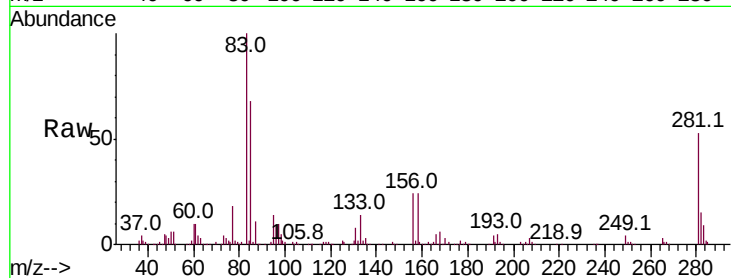
Tot Ion: 83 Resp: 517353

Ion Ratio Lower Upper

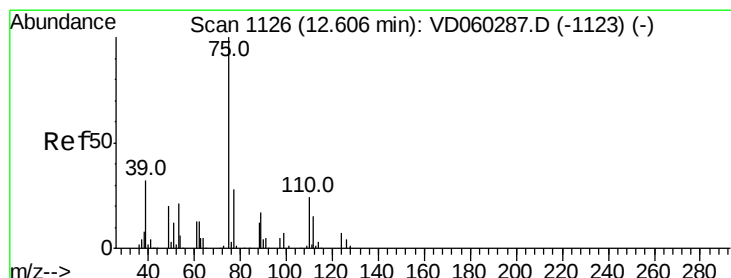
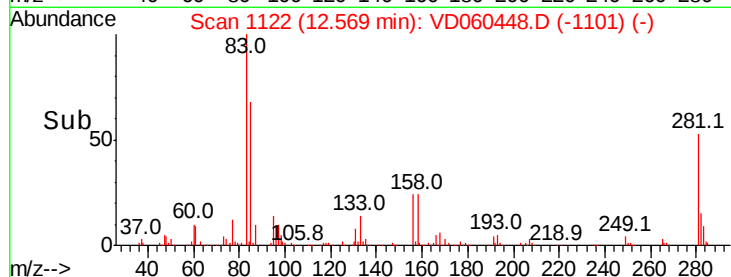
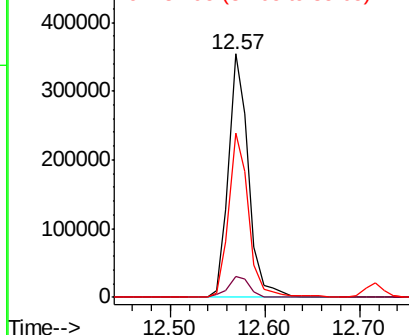
83 100

131 8.4 3.9 11.5

85 67.6 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: 54.252 ug/l

RT: 12.61 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VD060448.D

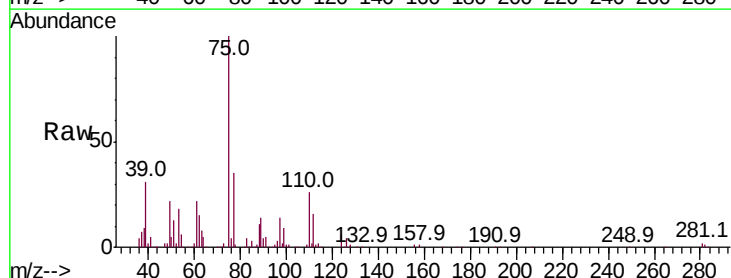
Acq: 26 Nov 2018 10:41

Tgt Ion: 75 Resp: 525232

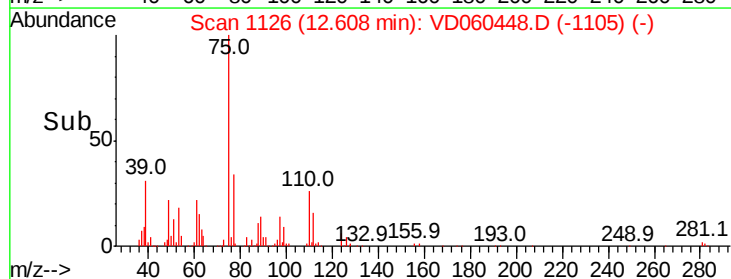
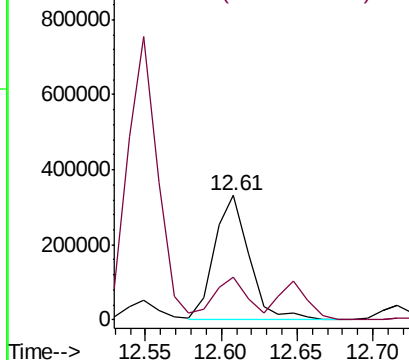
Ion Ratio Lower Upper

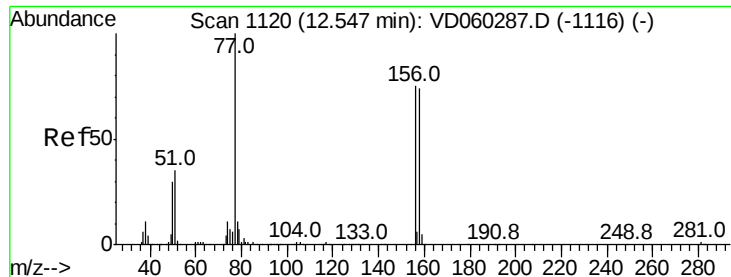
75 100

77 34.5 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: 54.015 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

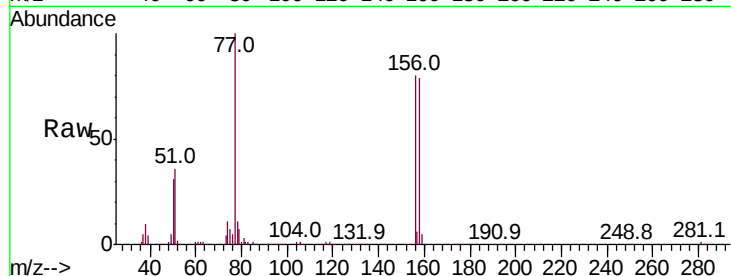
Tot Ion:156 Resp: 846022

Ion Ratio Lower Upper

156 100

77 125.1 61.2 183.6

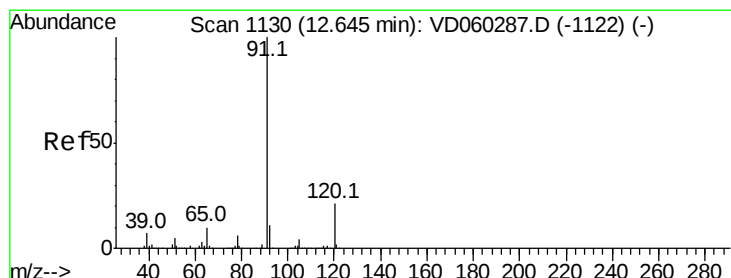
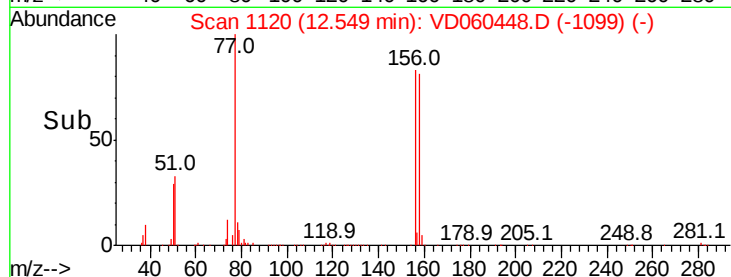
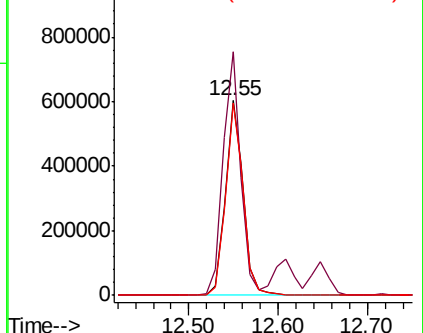
158 98.5 49.2 147.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 53.841 ug/l

RT: 12.65 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VD060448.D

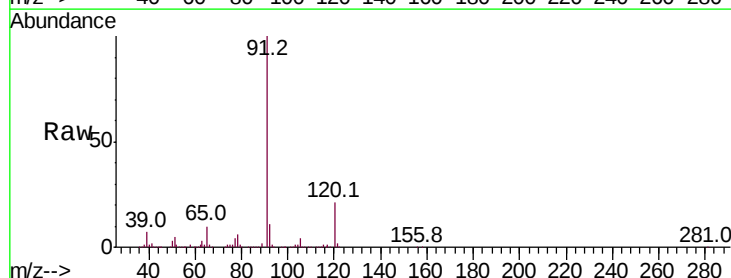
Acq: 26 Nov 2018 10:41

Tgt Ion: 91 Resp: 3962657

Ion Ratio Lower Upper

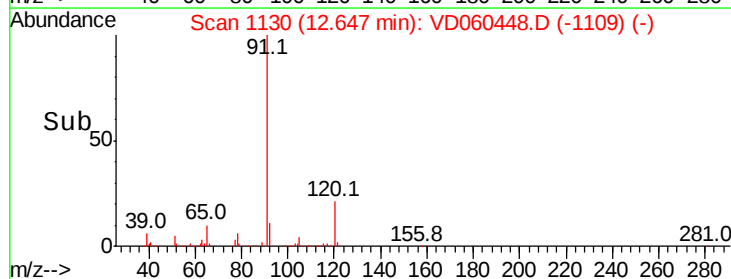
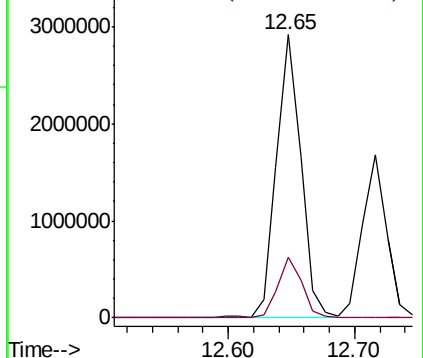
91 100

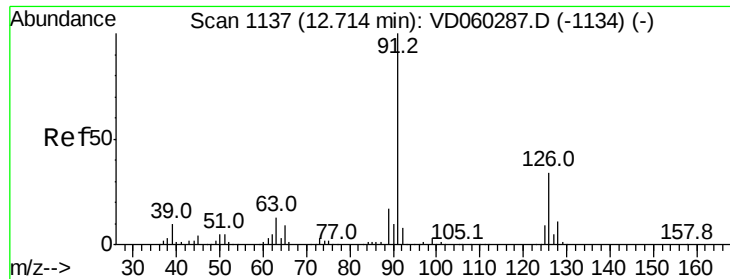
120 21.3 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

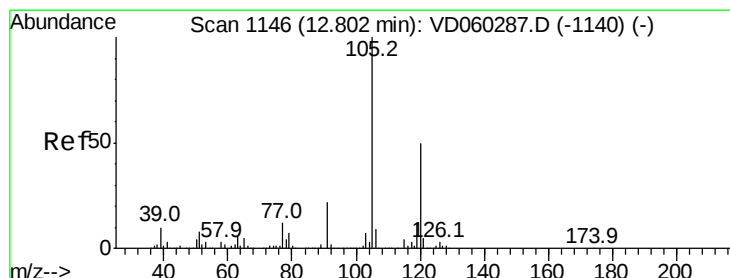
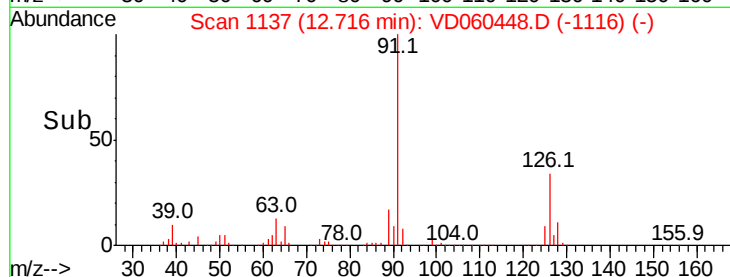
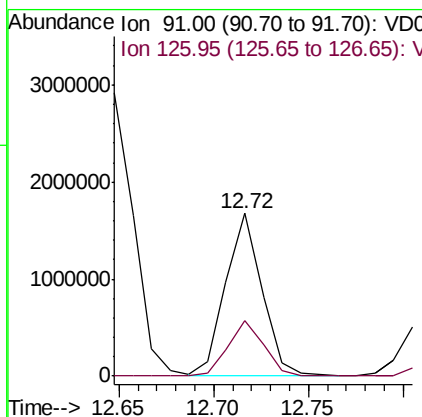
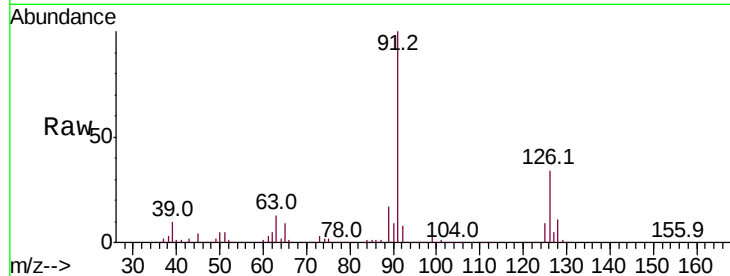




#79
 2-Chlorotoluene
 Concen: 55.064 ug/l
 RT: 12.72 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VD060448.D
 Acq: 26 Nov 2018 10:41

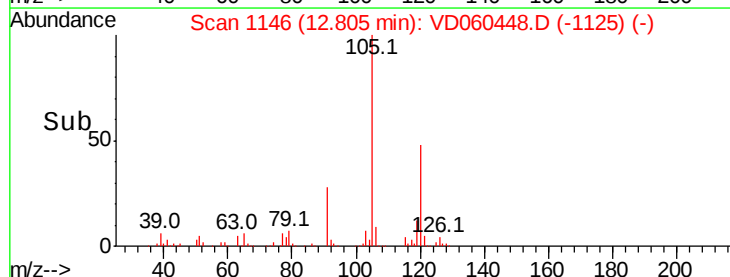
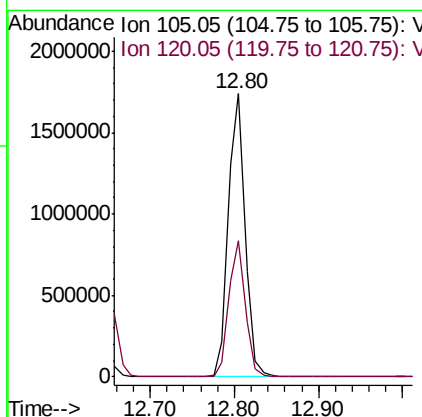
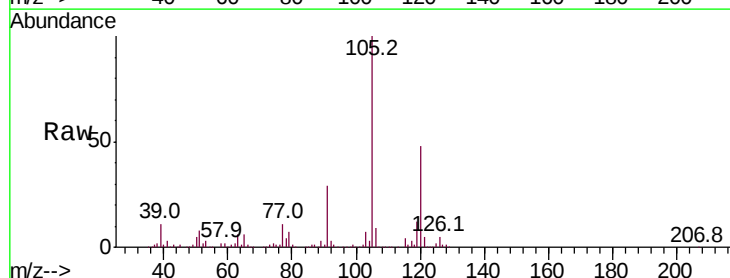
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

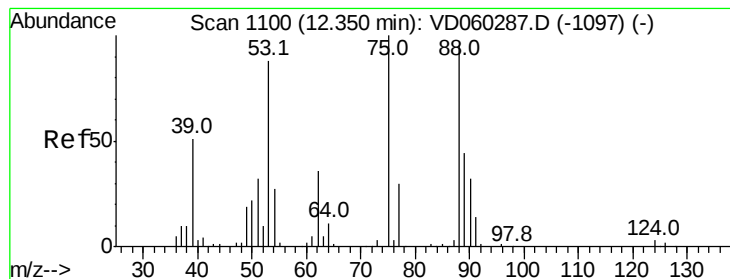
Tot Ion: 91 Resp: 2219620
 Ion Ratio Lower Upper
 91 100
 126 34.3 17.4 52.2



#80
 1,3,5-Trimethylbenzene
 Concen: 52.112 ug/l
 RT: 12.80 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: VD060448.D
 Acq: 26 Nov 2018 10:41

Tgt Ion: 105 Resp: 2388029
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 57.521 ug/l

RT: 12.35 min Scan# 1100

Delta R.T. 0.00 min

Lab File: VD060448.D

Acq: 26 Nov 2018 10:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

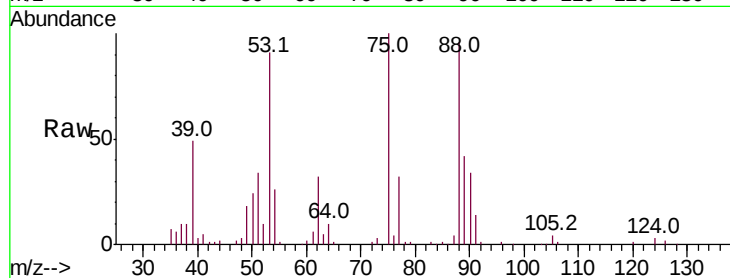
Tot Ion: 75 Resp: 158543

Ion Ratio Lower Upper

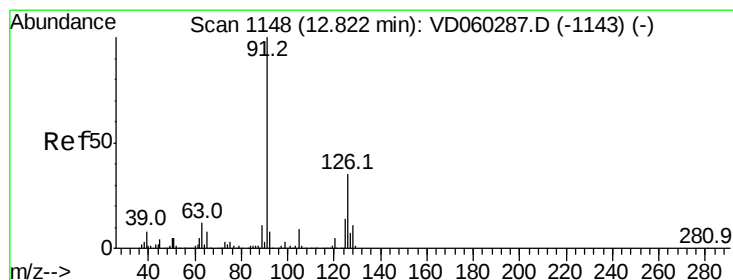
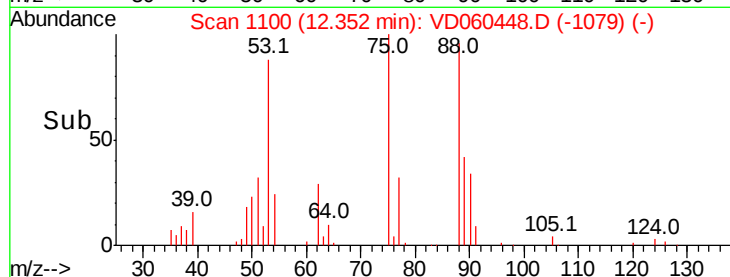
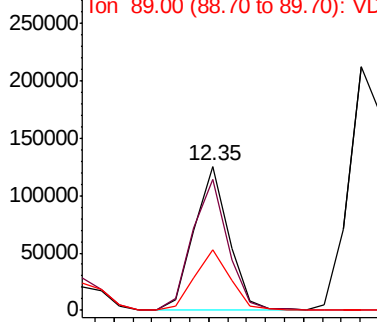
75 100

53 91.3 68.6 103.0

89 42.2 34.1 51.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 51.887 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VD060448.D

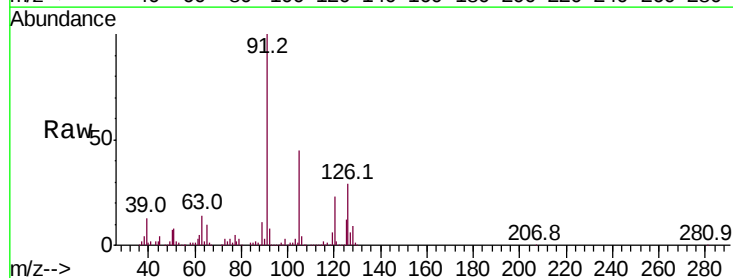
Acq: 26 Nov 2018 10:41

Tgt Ion: 91 Resp: 2349478

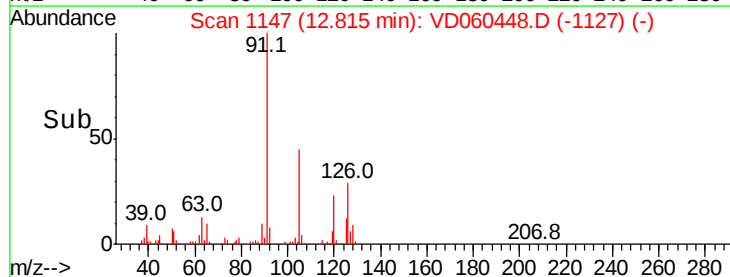
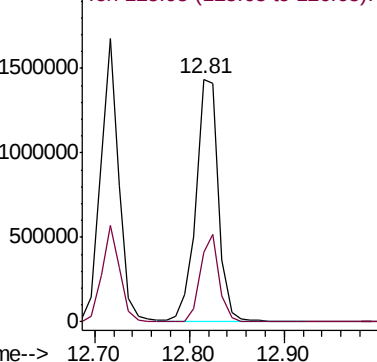
Ion Ratio Lower Upper

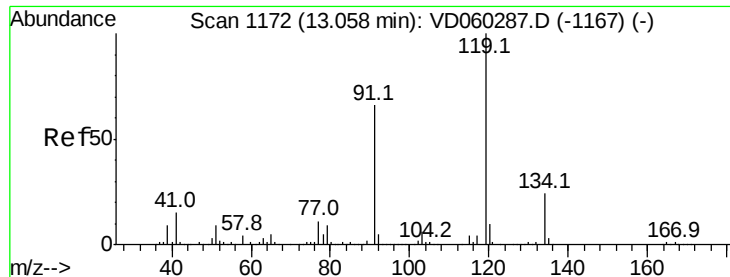
91 100

126 28.8 14.8 44.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

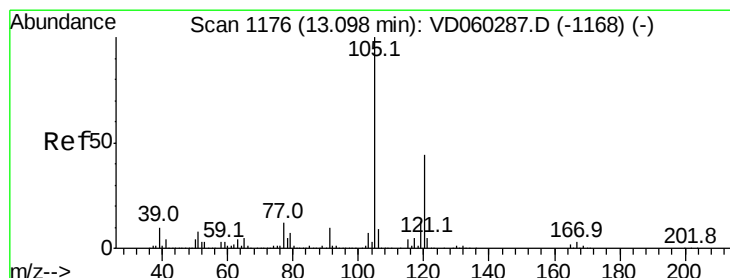
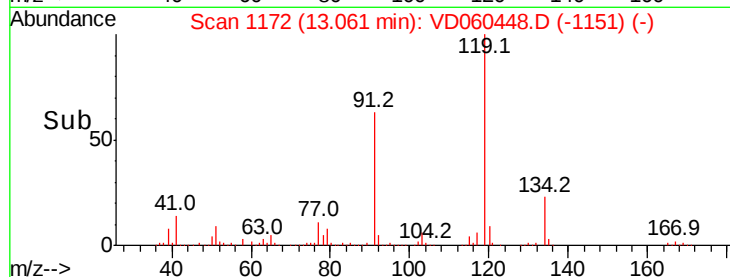
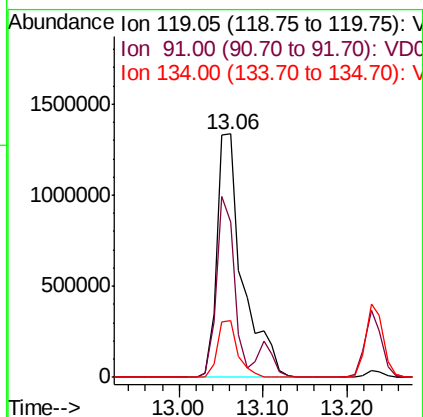
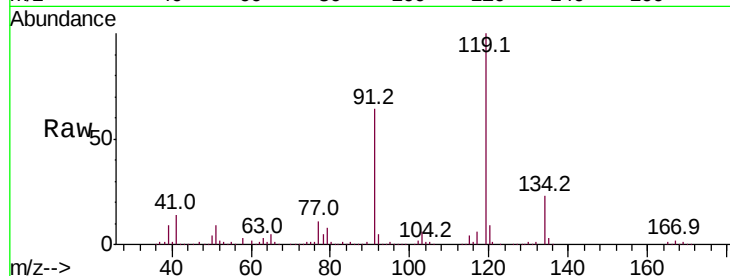




#83
tert-Butylbenzene
Concen: 55.670 ug/l
RT: 13.06 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VD060448.D
Acq: 26 Nov 2018 10:41

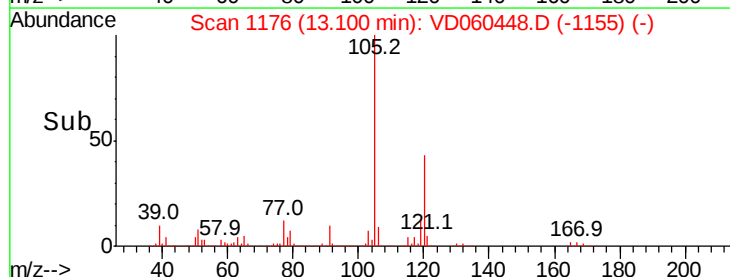
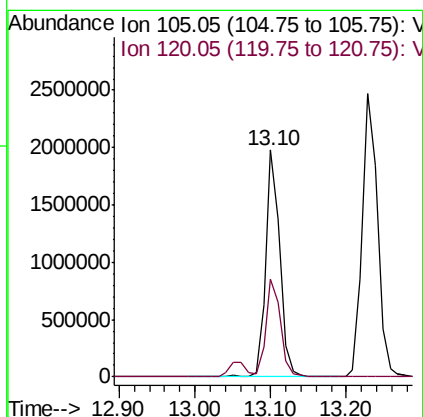
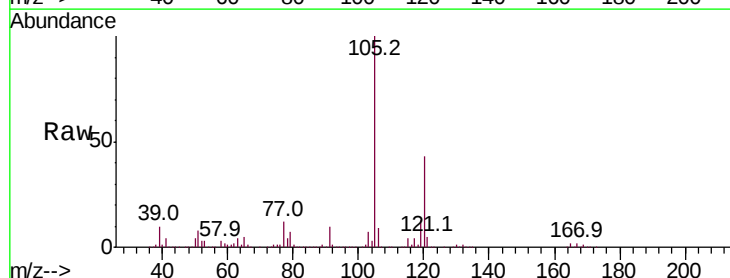
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

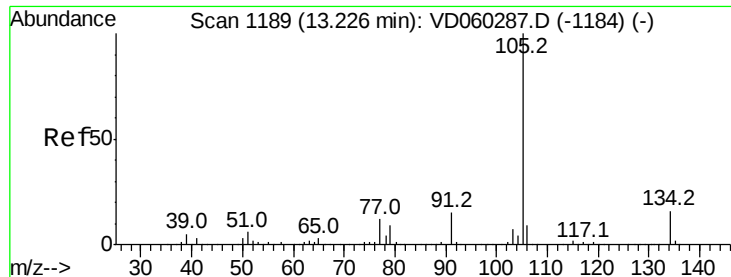
Tot Ion:119 Resp: 2832218
Ion Ratio Lower Upper
119 100
91 64.0 32.7 98.1
134 23.5 12.1 36.3



#84
1,2,4-Trimethylbenzene
Concen: 56.741 ug/l
RT: 13.10 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VD060448.D
Acq: 26 Nov 2018 10:41

Tgt Ion:105 Resp: 2596775
Ion Ratio Lower Upper
105 100
120 43.4 21.9 65.8

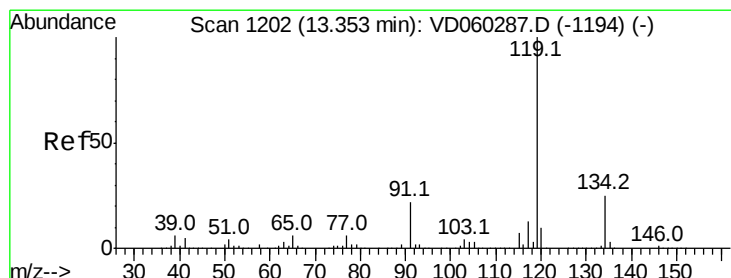
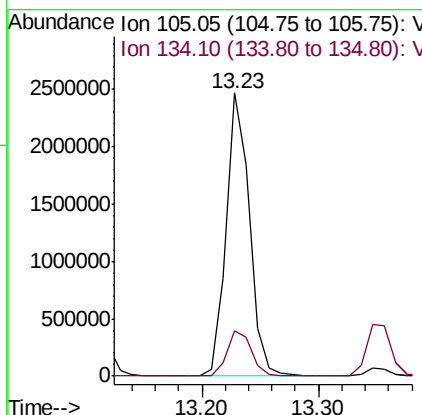
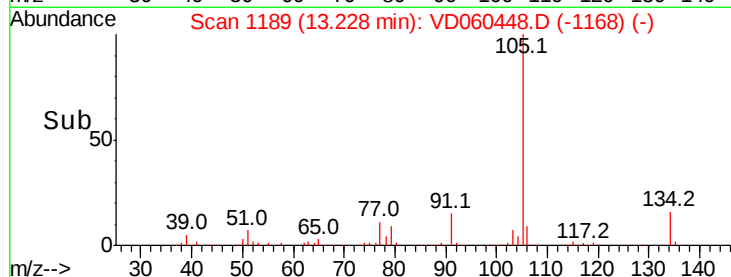
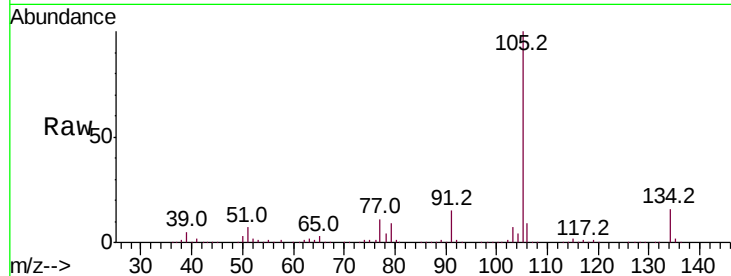




#85
 sec-Butylbenzene
 Concen: 54.429 ug/l
 RT: 13.23 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VD060448.D
 Acq: 26 Nov 2018 10:41

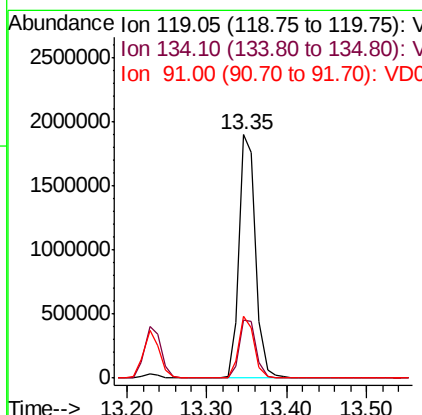
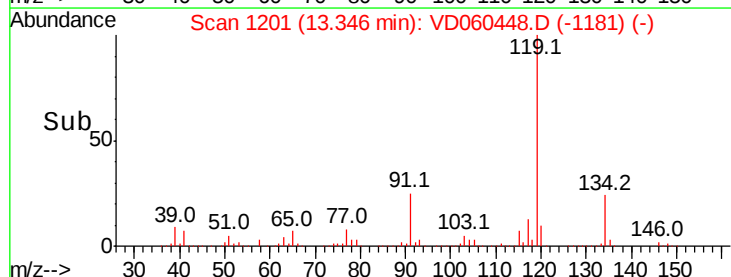
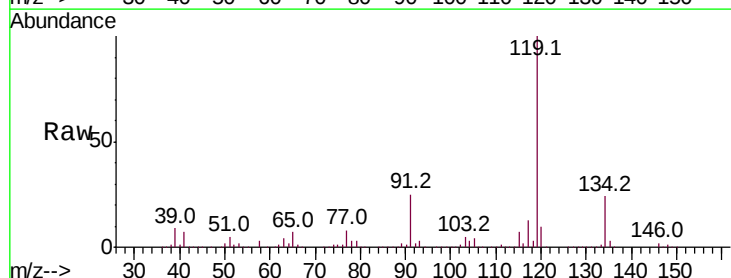
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

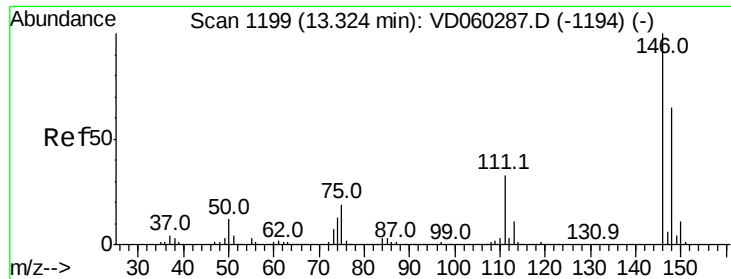
Tot Ion:105 Resp: 3397346
 Ion Ratio Lower Upper
 105 100
 134 16.2 8.0 24.0



#86
 p-Isopropyltoluene
 Concen: 54.832 ug/l
 RT: 13.35 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VD060448.D
 Acq: 26 Nov 2018 10:41

Tgt Ion:119 Resp: 2756144
 Ion Ratio Lower Upper
 119 100
 134 23.9 12.9 38.6
 91 25.2 11.3 33.8

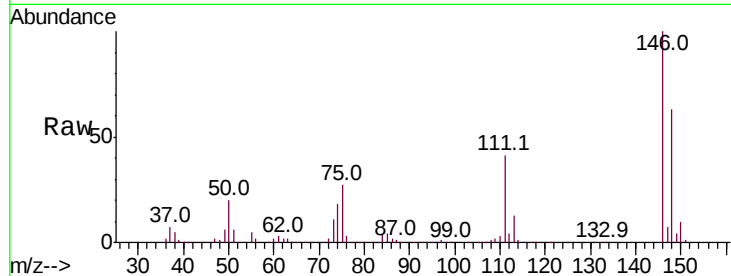




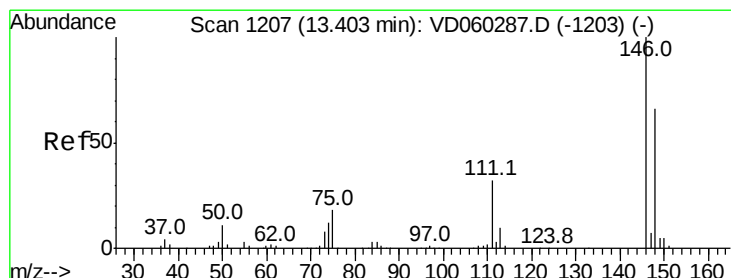
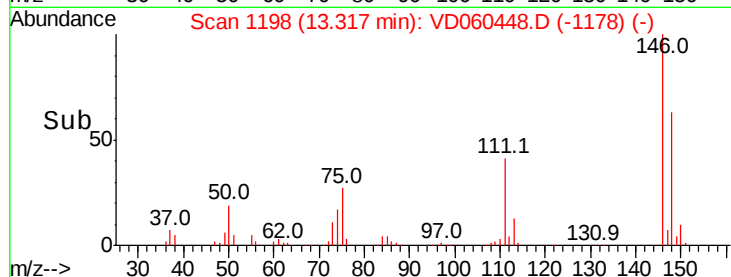
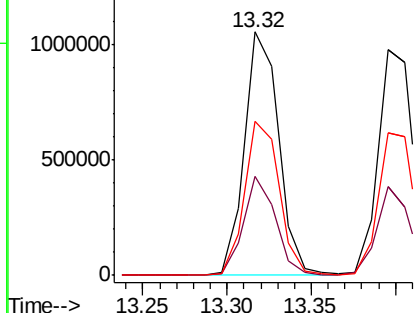
#87
 1,3-Dichlorobenzene
 Concen: 53.714 ug/l
 RT: 13.32 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060448.D
 Acq: 26 Nov 2018 10:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1496796
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.2 60.5
 148 63.1 32.0 96.0

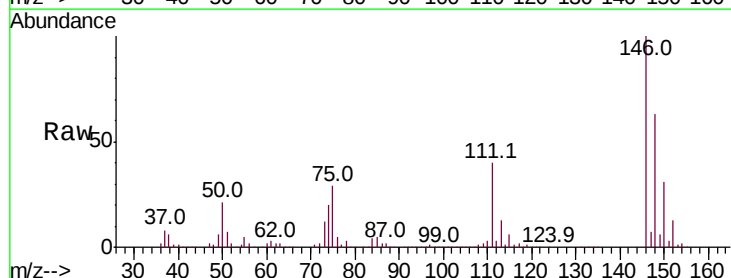


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

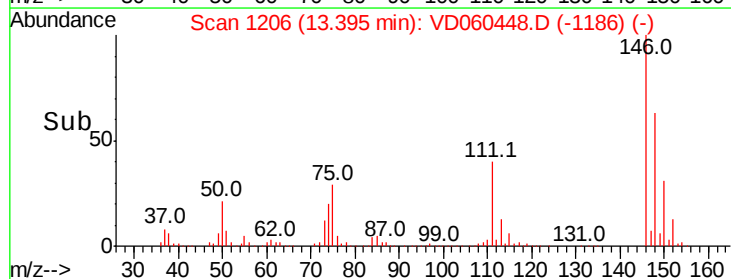
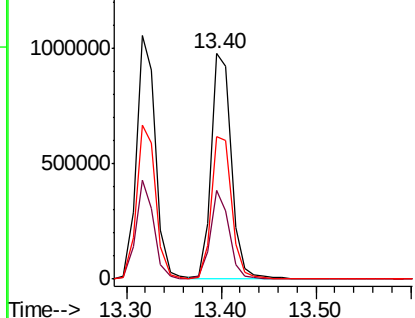


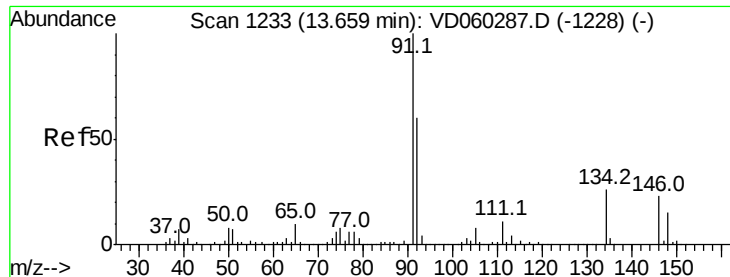
#88
 1,4-Dichlorobenzene
 Concen: 53.693 ug/l
 RT: 13.40 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060448.D
 Acq: 26 Nov 2018 10:41

Tgt Ion:146 Resp: 1461254
 Ion Ratio Lower Upper
 146 100
 111 39.6 16.0 47.9
 148 63.4 32.9 98.7



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

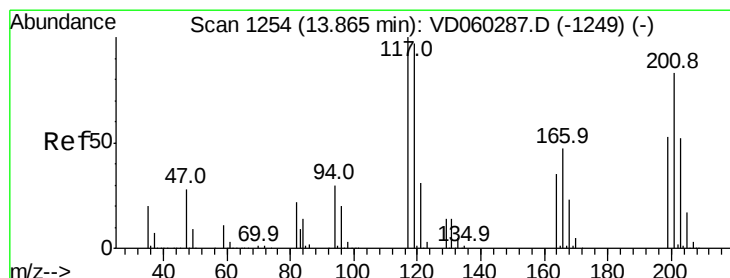
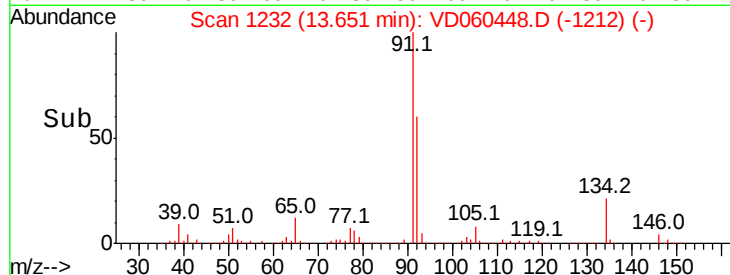
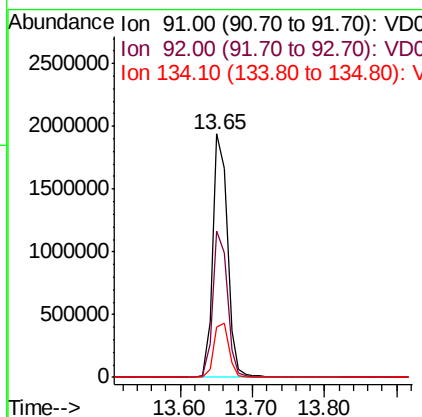
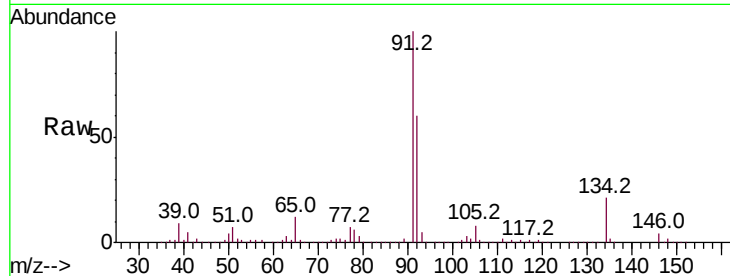




#89
n-Butylbenzene
Concen: 56.537 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060448.D
Acq: 26 Nov 2018 10:41

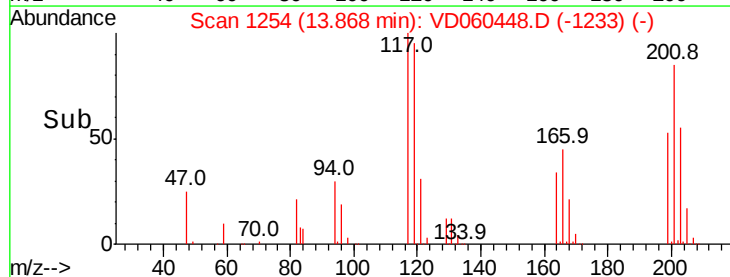
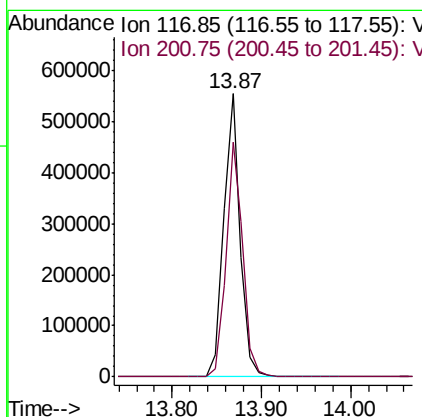
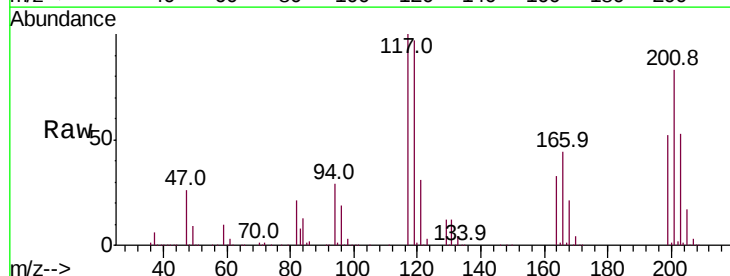
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

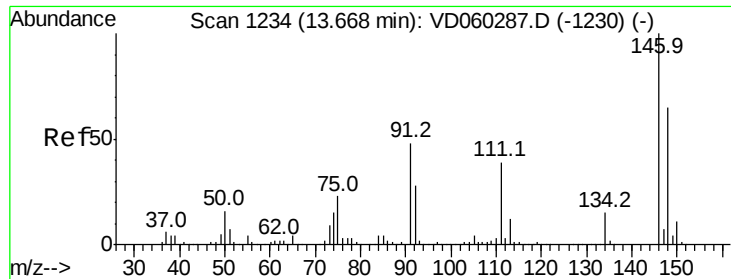
Tot Ion: 91 Resp: 2701294
Ion Ratio Lower Upper
91 100
92 60.2 30.3 90.9
134 20.7 13.0 38.9



#90
Hexachloroethane
Concen: 60.583 ug/l
RT: 13.87 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VD060448.D
Acq: 26 Nov 2018 10:41

Tgt Ion: 117 Resp: 722091
Ion Ratio Lower Upper
117 100
201 82.9 40.1 120.3

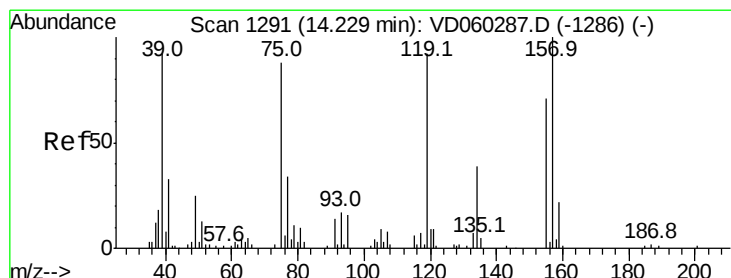
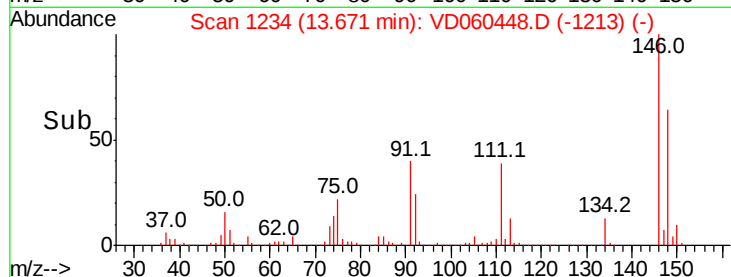
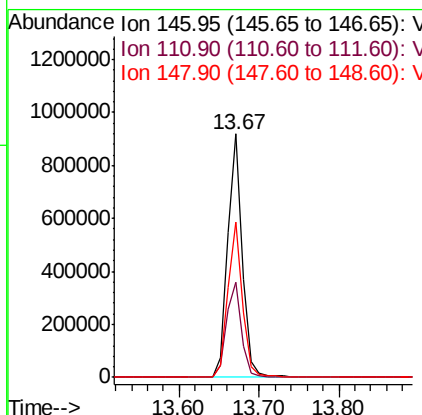
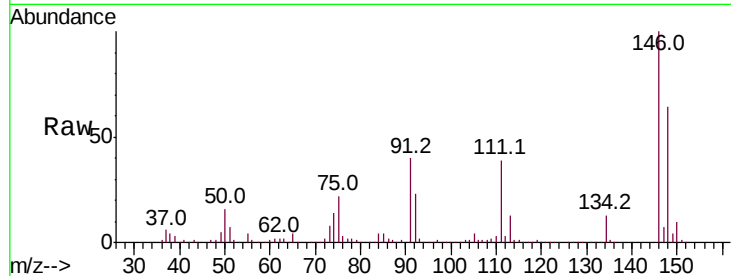




#91
 1,2-Dichlorobenzene
 Concen: 51.660 ug/l
 RT: 13.67 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: VD060448.D
 Acq: 26 Nov 2018 10:41

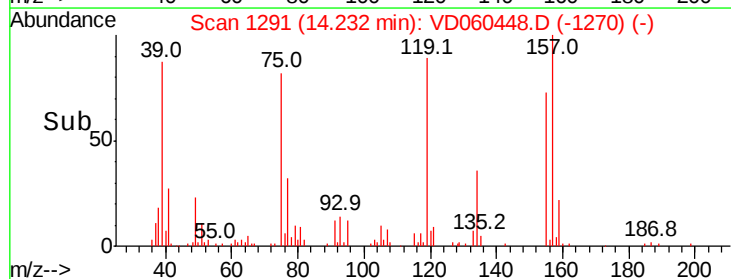
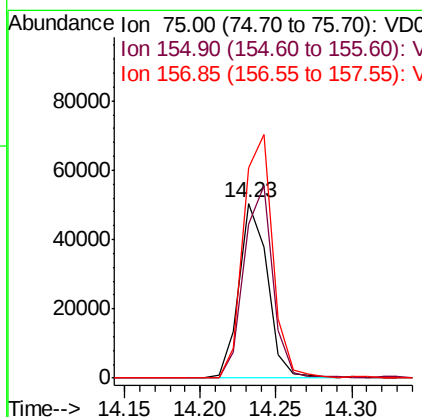
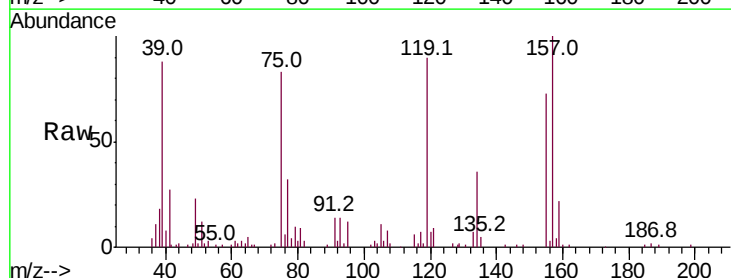
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

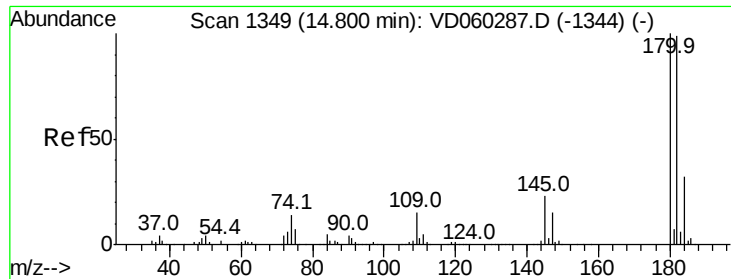
Tot Ion:146 Resp: 1182416
 Ion Ratio Lower Upper
 146 100
 111 39.3 18.9 56.9
 148 64.0 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.755 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD060448.D
 Acq: 26 Nov 2018 10:41

Tgt Ion: 75 Resp: 66066
 Ion Ratio Lower Upper
 75 100
 155 88.3 64.3 192.9
 157 120.4 81.0 243.1

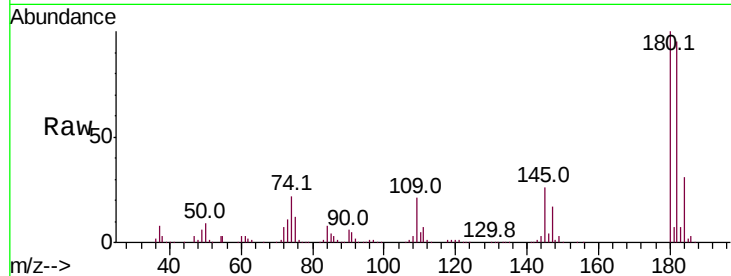




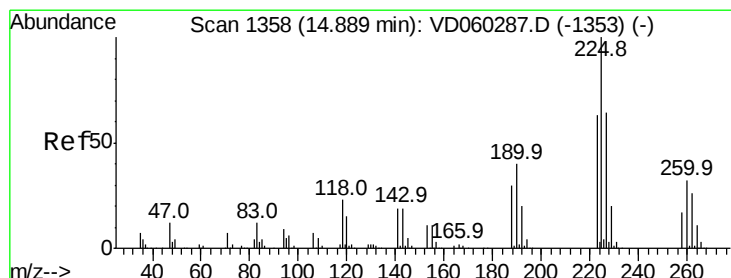
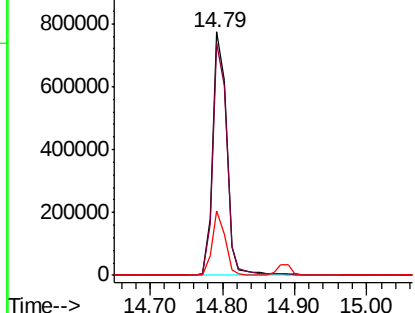
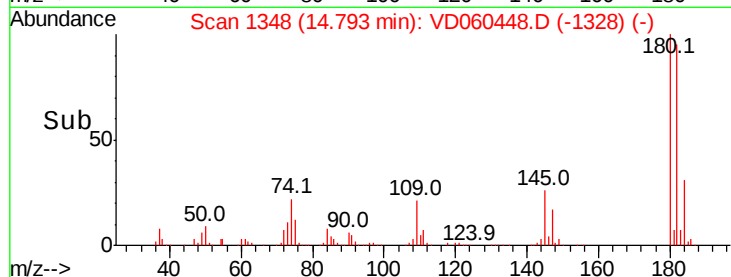
#93
 1,2,4-Trichlorobenzene
 Concen: 57.138 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060448.D
 Acq: 26 Nov 2018 10:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 1036910
 Ion Ratio Lower Upper
 180 100
 182 95.2 48.1 144.4
 145 26.4 11.5 34.4

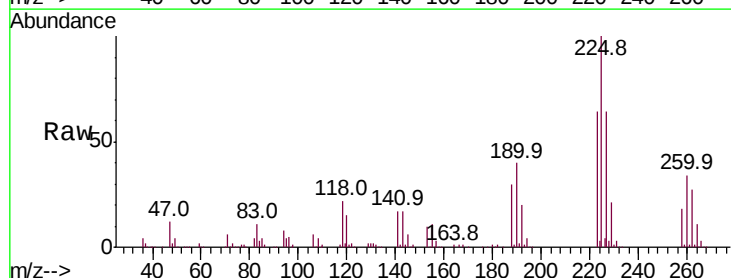


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

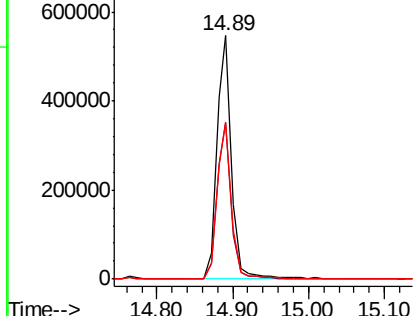
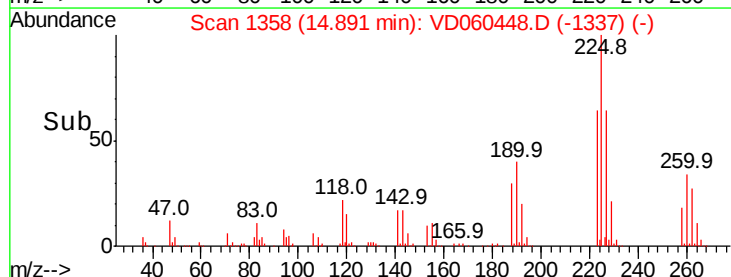


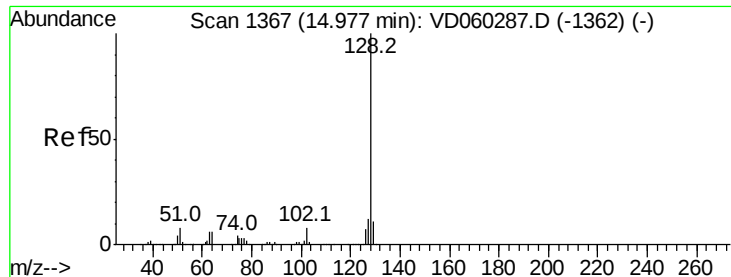
#94
 Hexachlorobutadiene
 Concen: 54.806 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VD060448.D
 Acq: 26 Nov 2018 10:41

Tgt Ion:225 Resp: 743928
 Ion Ratio Lower Upper
 225 100
 223 64.2 31.6 94.8
 227 64.3 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

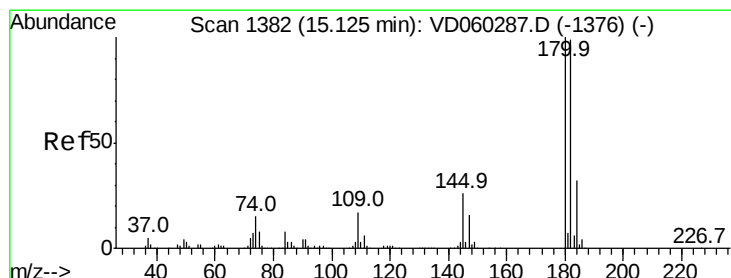
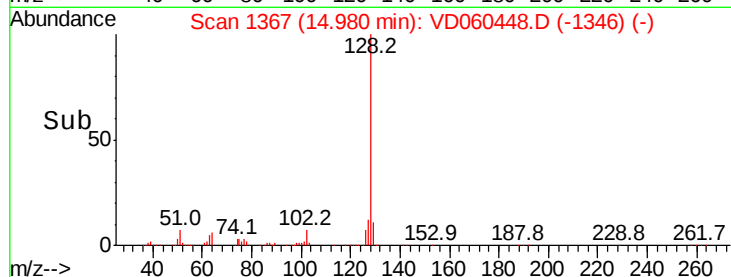
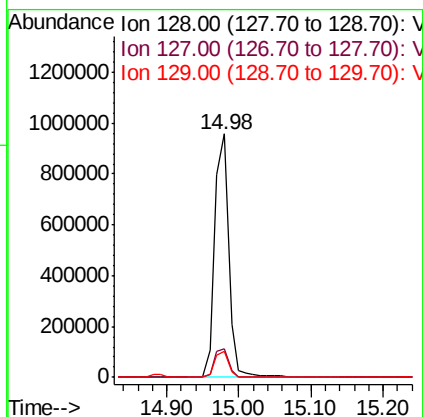
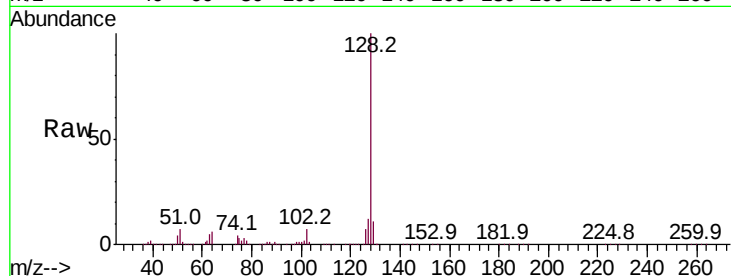




#95
Naphthalene
Concen: 58.003 ug/l
RT: 14.98 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VD060448.D
Acq: 26 Nov 2018 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1285301
Ion Ratio Lower Upper
128 100
127 11.9 9.6 14.4
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 57.042 ug/l
RT: 15.13 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VD060448.D
Acq: 26 Nov 2018 10:41

Tgt Ion:180 Resp: 829504
Ion Ratio Lower Upper
180 100
182 96.5 48.9 146.7
145 24.5 12.9 38.6

