

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032319\
 Data File : VD061275.D
 Acq On : 23 Mar 2019 12:11
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 23 12:34:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	675364	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.23	114	1130156	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	913599	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	402224	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	251454	44.73	ug/l	0.03
Spiked Amount			Recovery	=	89.46%	
35) Dibromofluoromethane	6.94	113	414555	49.43	ug/l	0.02
Spiked Amount			Recovery	=	98.86%	
50) Toluene-d8	10.43	98	925388	43.94	ug/l	0.03
Spiked Amount			Recovery	=	87.88%	
62) 4-Bromofluorobenzene	13.56	95	356601	43.63	ug/l	0.01
Spiked Amount			Recovery	=	87.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	304635	45.537	ug/l	98
3) Chloromethane	1.77	50	244659	43.901	ug/l	97
4) Vinyl Chloride	1.87	62	233758	45.394	ug/l	99
5) Bromomethane	2.17	94	46196	50.716	ug/l #	89
6) Chloroethane	2.28	64	78926	51.206	ug/l #	87
7) Trichlorofluoromethane	2.54	101	381444	51.564	ug/l	100
8) Diethyl Ether	2.89	74	128713	52.743	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.17	101	417547	50.486	ug/l	95
10) Methyl Iodide	3.33	142	599271	52.462	ug/l	99
11) Tert butyl alcohol	4.08	59	96160	268.691	ug/l	100
12) 1,1-Dichloroethene	3.14	96	323314	47.692	ug/l	98
13) Acrolein	3.06	56	96428	186.217	ug/l	99
14) Allyl chloride	3.65	41	565499	52.135	ug/l	96
15) Acrylonitrile	4.22	53	352042	278.322	ug/l	95
16) Acetone	3.24	43	454399	282.665	ug/l	99
17) Carbon Disulfide	3.40	76	1028381	44.969	ug/l	100
18) Methyl Acetate	3.66	43	202276	63.938	ug/l #	90
19) Methyl tert-butyl Ether	4.26	73	637182	53.631	ug/l	96
20) Methylene Chloride	3.84	84	406020	55.948	ug/l	92
21) trans-1,2-Dichloroethene	4.24	96	369011	50.290	ug/l	97
22) Diisopropyl ether	5.14	45	1141993	50.717	ug/l	97
23) Vinyl Acetate	5.08	43	2955012	255.647	ug/l	98
24) 1,1-Dichloroethane	5.02	63	663619	53.791	ug/l	99
25) 2-Butanone	6.09	43	483593	265.109	ug/l	99
26) 2,2-Dichloropropane	6.05	77	538545	55.918	ug/l	99
27) cis-1,2-Dichloroethene	6.06	96	422444	54.263	ug/l	99
28) Bromochloromethane	6.46	49	235989	45.184	ug/l	90
29) Tetrahydrofuran	6.48	42	229953	232.158	ug/l	94
30) Chloroform	6.68	83	654397	51.179	ug/l	96
31) Cyclohexane	6.97	56	538747	54.158	ug/l	96
32) 1,1,1-Trichloroethane	6.90	97	607939	54.995	ug/l	97
36) 1,1-Dichloropropene	7.17	75	485255	49.812	ug/l	99
37) Ethyl Acetate	6.21	43	213004	46.594	ug/l	98
38) Carbon Tetrachloride	7.13	117	604154	56.301	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	513258	50.810	ug/l	99
40) Benzene	7.48	78	1242301	51.035	ug/l	100
41) Methacrylonitrile	6.46	41	258820	49.222	ug/l	97
42) 1,2-Dichloroethane	7.60	62	371744	52.625	ug/l	98
43) Isopropyl Acetate	9.26	43	310261	49.002	ug/l	95
44) Trichloroethene	8.56	130	457615	54.492	ug/l	97
45) 1,2-Dichloropropane	8.95	63	338062	52.861	ug/l	99
46) Dibromomethane	9.08	93	216037	53.255	ug/l	96
47) Bromodichloromethane	9.40	83	509227	55.627	ug/l	100
48) Methyl methacrylate	9.14	41	195061	54.717	ug/l	100
49) 1,4-Dioxane	9.09	88	39418	1093.483	ug/l	97
51) 4-Methyl-2-Pentanone	10.32	43	1009352	260.213	ug/l	96
52) Toluene	10.53	92	772256	51.018	ug/l	97
53) t-1,3-Dichloropropene	10.93	75	475957	56.861	ug/l	99
54) cis-1,3-Dichloropropene	10.06	75	561674	55.847	ug/l	98
55) 1,1,2-Trichloroethane	11.21	97	281948	55.932	ug/l	98
56) Ethyl methacrylate	11.06	69	271803	51.513	ug/l	99
57) 1,3-Dichloropropane	11.42	76	371666	49.338	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	670867	240.203	ug/l	100
59) 2-Hexanone	11.54	43	739086	260.478	ug/l	97
60) Dibromochloromethane	11.70	129	418129	56.361	ug/l	99
61) 1,2-Dibromoethane	11.82	107	310266	52.910	ug/l	96
64) Tetrachloroethene	11.28	164	339770	55.093	ug/l	96
65) Chlorobenzene	12.41	112	994580	55.531	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.53	131	383988	60.146	ug/l	99
67) Ethyl Benzene	12.54	91	1480864	55.538	ug/l	100
68) m/p-Xylenes	12.68	106	994700	95.046	ug/l	94
69) o-Xylene	13.06	106	549722	53.437	ug/l	96
70) Styrene	13.08	104	873075	51.975	ug/l	98
71) Bromoform	13.25	173	243041	59.012	ug/l	98
73) Isopropylbenzene	13.41	105	1459421	50.347	ug/l	98
74) N-amyl acetate	13.27	43	389553	47.727	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.71	83	308880	54.615	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	314971	54.430	ug/l	95
77) Bromobenzene	13.68	156	420139	56.778	ug/l	94
78) n-propylbenzene	13.79	91	1764405	51.993	ug/l	95
79) 2-Chlorotoluene	13.85	91	998554	53.448	ug/l	98
80) 1,3,5-Trimethylbenzene	14.25	105	1061652	48.243	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	94743	55.534	ug/l	98
82) 4-Chlorotoluene	13.95	91	1111463	50.323	ug/l	98
83) tert-Butylbenzene	14.20	119	1374399	57.069	ug/l	98
84) 1,2,4-Trimethylbenzene	14.25	105	1061652	48.243	ug/l	97
85) sec-Butylbenzene	14.38	105	1576940	53.636	ug/l	100
86) p-Isopropyltoluene	14.50	119	1246926	51.885	ug/l	99
87) 1,3-Dichlorobenzene	14.47	146	701355	53.080	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	717261	55.240	ug/l	99
89) n-Butylbenzene	14.81	91	1064872	46.141	ug/l	96
90) Hexachloroethane	15.02	117	383435	56.503	ug/l	92
91) 1,2-Dichlorobenzene	14.82	146	551694	50.084	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.39	75	39935	58.596	ug/l	99

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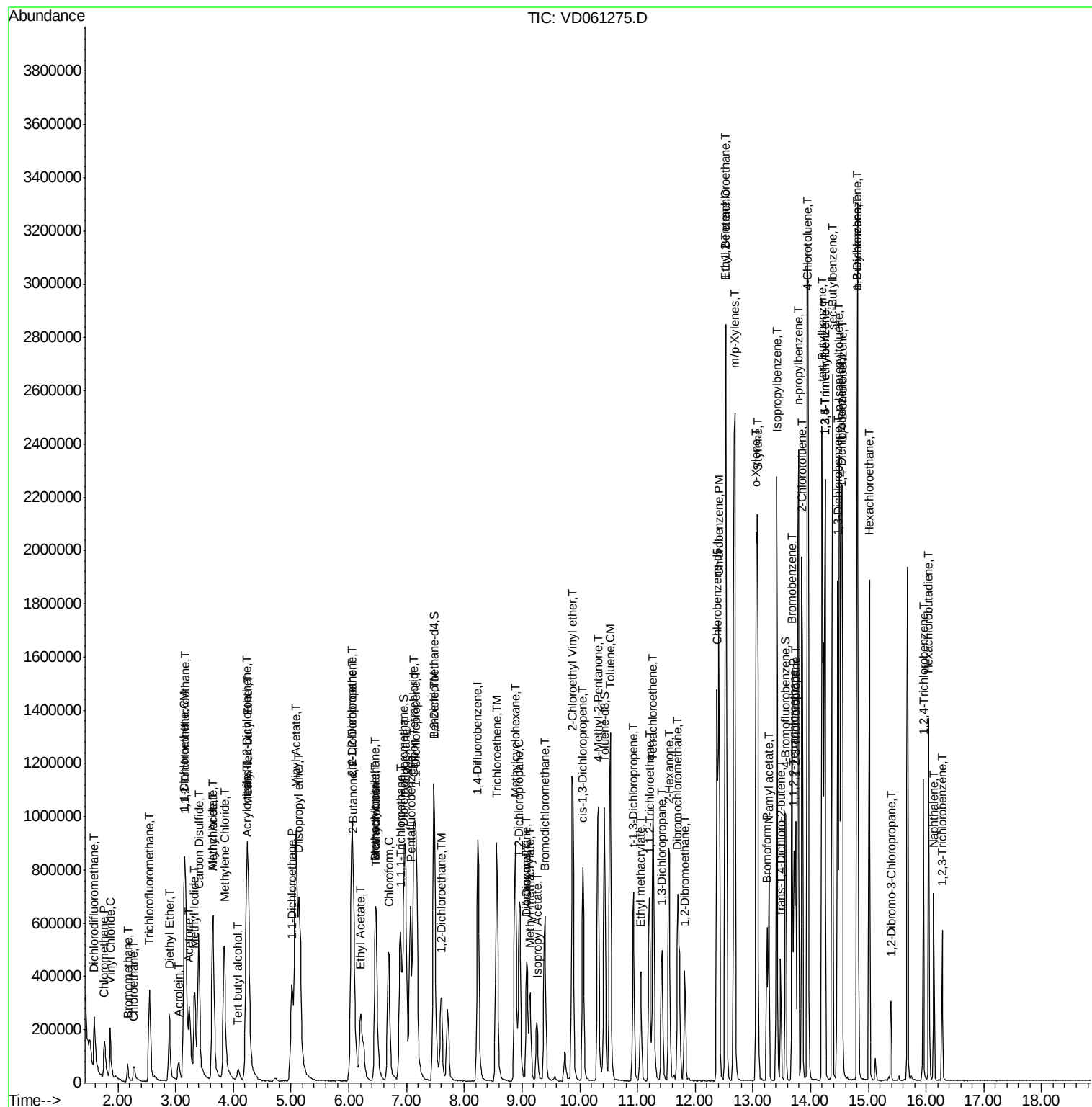
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	277016	54.211	ug/l	99
94) Hexachlorobutadiene	16.05	225	233433	60.395	ug/l	98
95) Naphthalene	16.13	128	422996	54.473	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	138585	54.911	ug/l	96

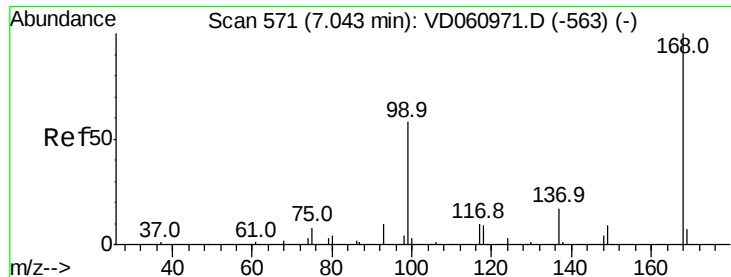
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

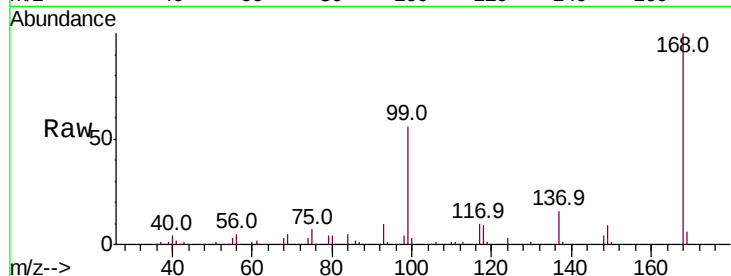
VSTDCCC050

Tot Ion:168 Resp: 675364

Ion Ratio Lower Upper

168 100

99 55.7 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

250000

200000

150000

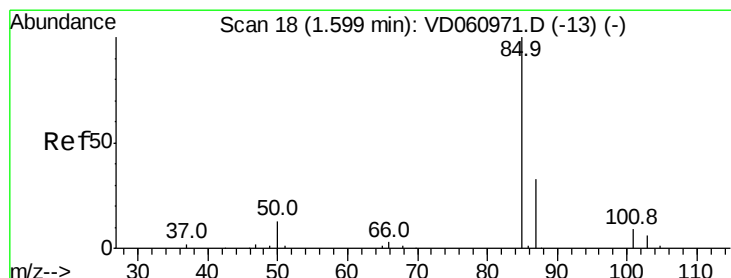
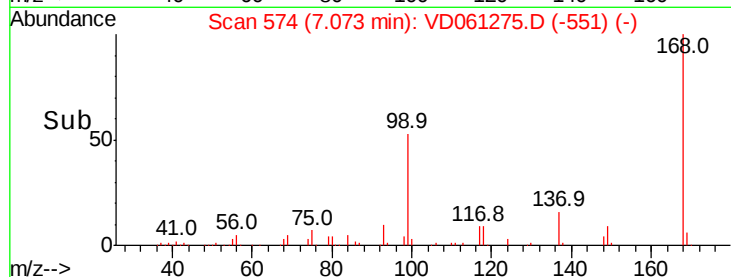
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 45.537 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.01 min

Lab File: VD061275.D

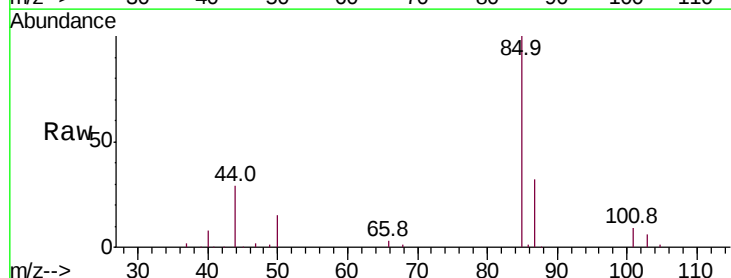
Acq: 23 Mar 2019 12:11

Tgt Ion: 85 Resp: 304635

Ion Ratio Lower Upper

85 100

87 31.5 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

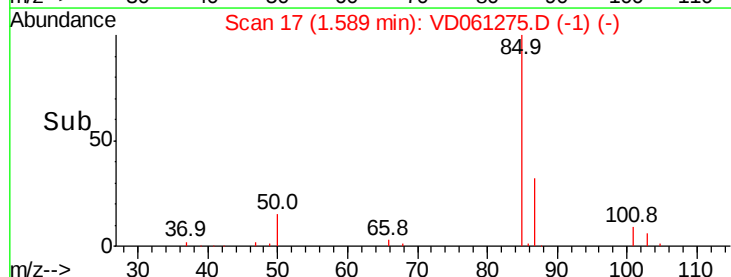
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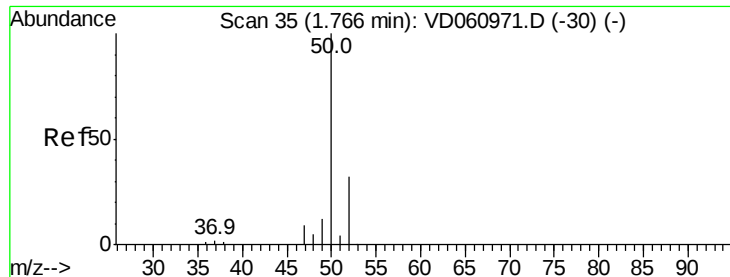
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 43.901 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.00 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

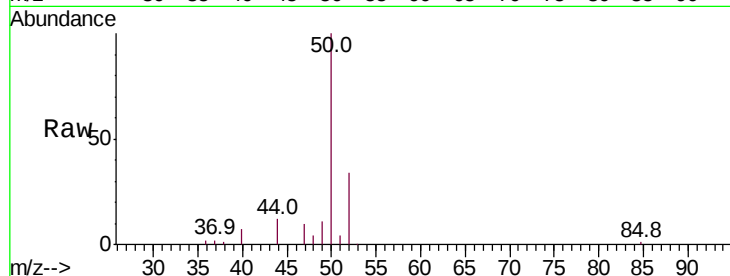
VSTDCCC050

Tot Ion: 50 Resp: 244659

Ion Ratio Lower Upper

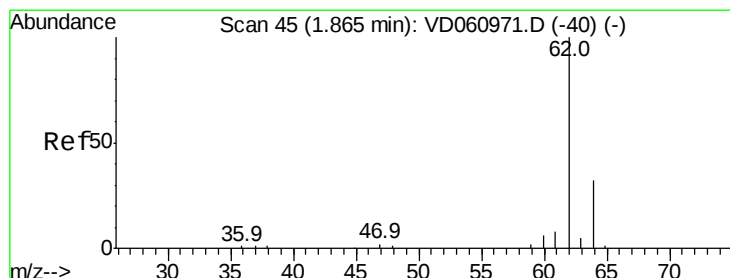
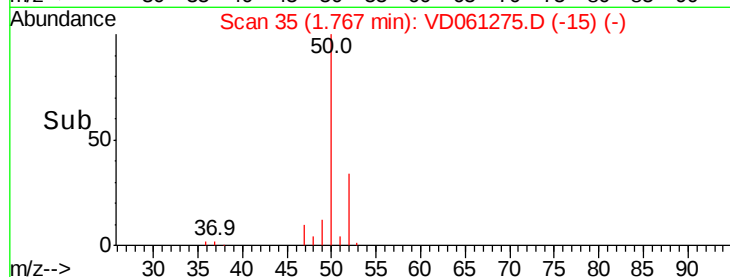
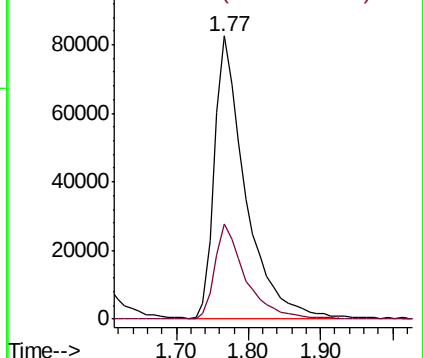
50 100

52 33.8 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 45.394 ug/l

RT: 1.87 min Scan# 45

Delta R.T. 0.00 min

Lab File: VD061275.D

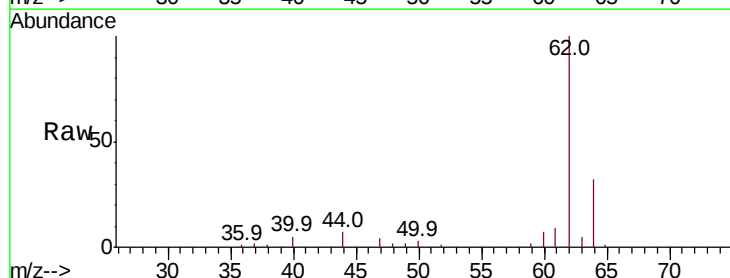
Acq: 23 Mar 2019 12:11

Tgt Ion: 62 Resp: 233758

Ion Ratio Lower Upper

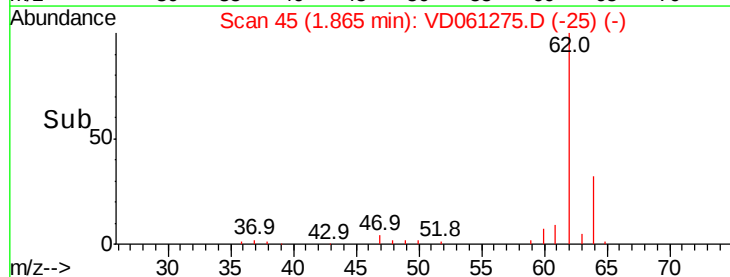
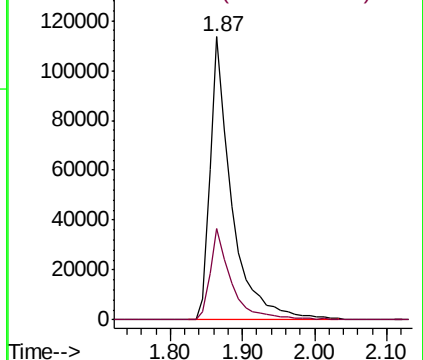
62 100

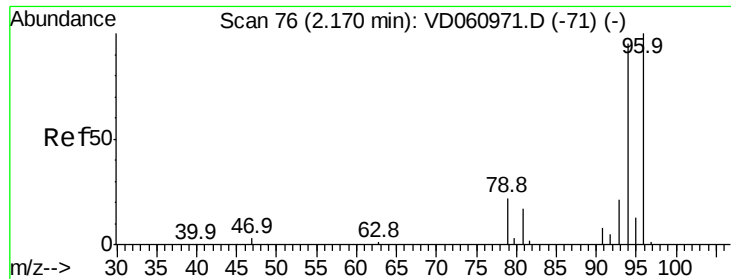
64 32.1 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

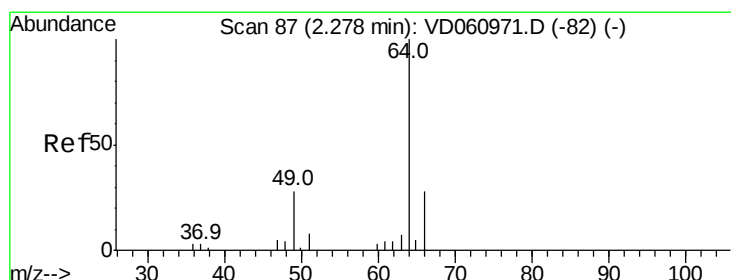
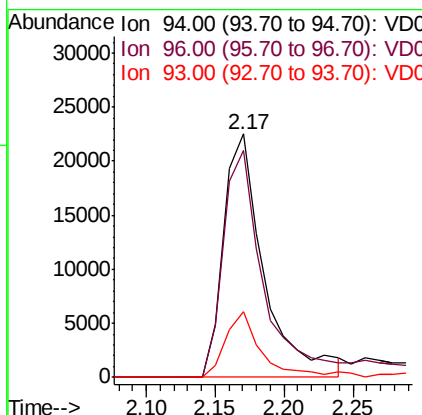
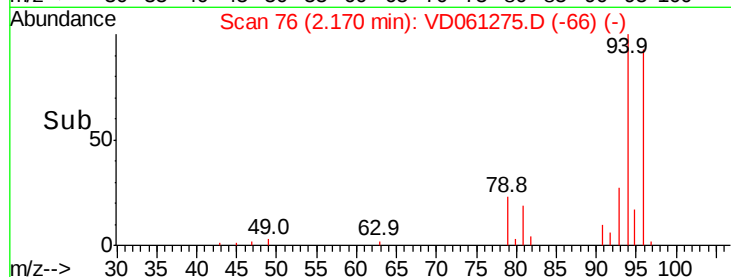
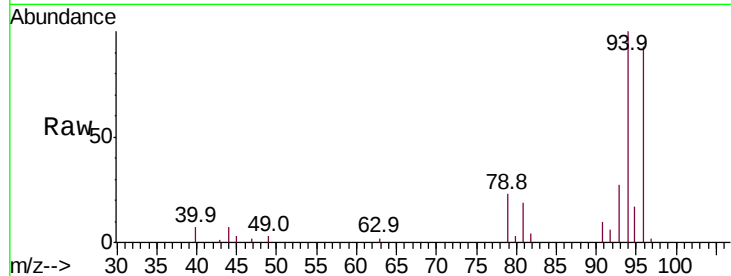




#5
Bromomethane
Concen: 50.716 ug/l
RT: 2.17 min Scan# 76
Delta R.T. 0.00 min
Lab File: VD061275.D
Acq: 23 Mar 2019 12:11

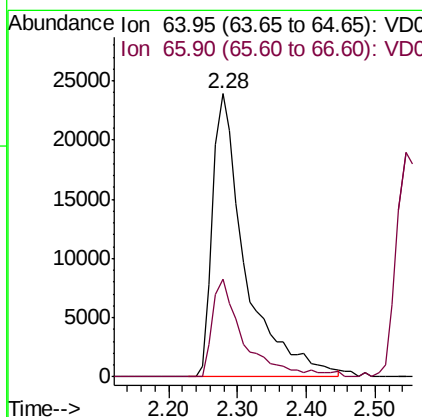
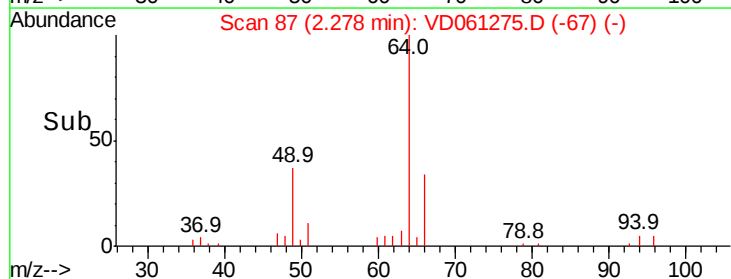
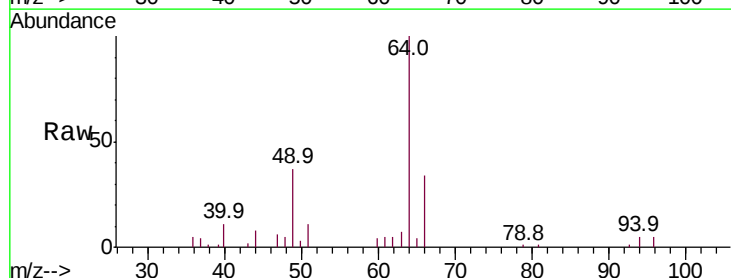
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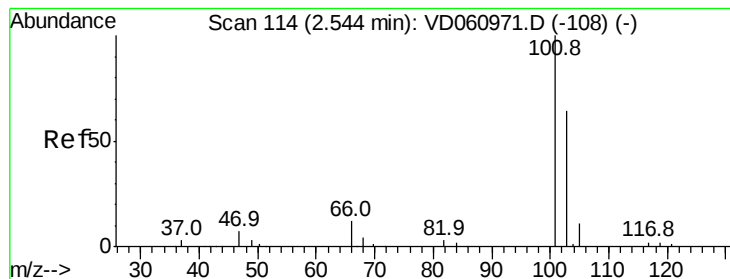
Tot Ion: 94 Resp: 46196
Ion Ratio Lower Upper
94 100
96 93.3 84.0 126.0
93 26.7 17.3 25.9#



#6
Chloroethane
Concen: 51.206 ug/l
RT: 2.28 min Scan# 87
Delta R.T. 0.00 min
Lab File: VD061275.D
Acq: 23 Mar 2019 12:11

Tgt Ion: 64 Resp: 78926
Ion Ratio Lower Upper
64 100
66 34.4 22.2 33.2#



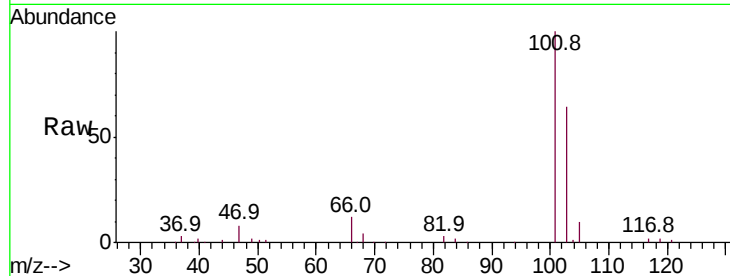


#7

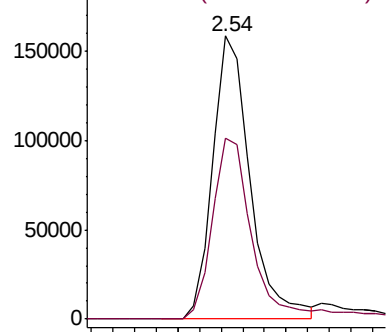
Trichlorofluoromethane
 Concen: 51.564 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. 0.00 min
 Lab File: VD061275.D
 Acq: 23 Mar 2019 12:11

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 MSVOA_D
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 VSTDCCC050

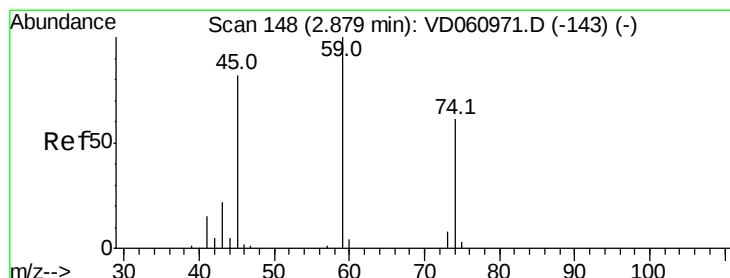
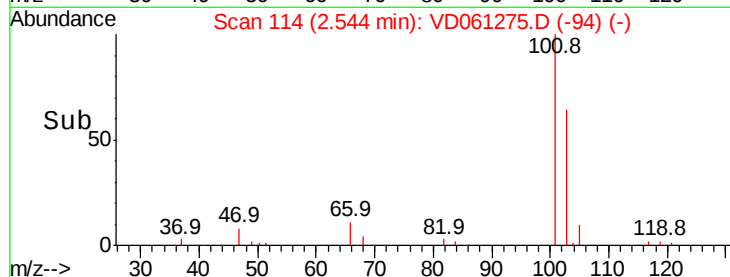
Tot Ion:101 Resp: 381444
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.2 76.8



Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



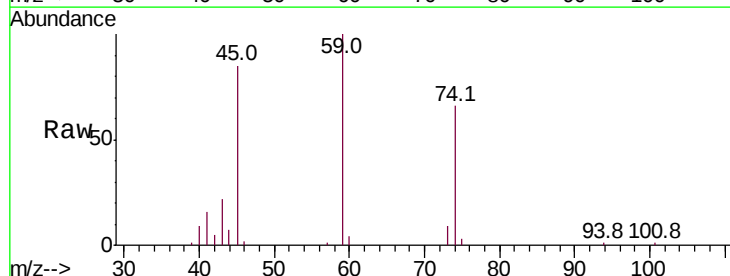
Time-->



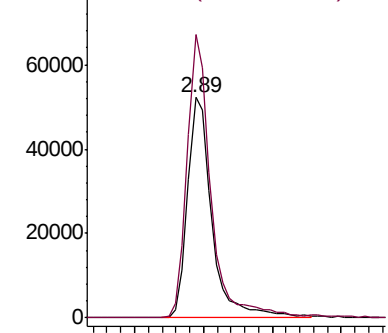
#8

Diethyl Ether
 Concen: 52.743 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.01 min
 Lab File: VD061275.D
 Acq: 23 Mar 2019 12:11

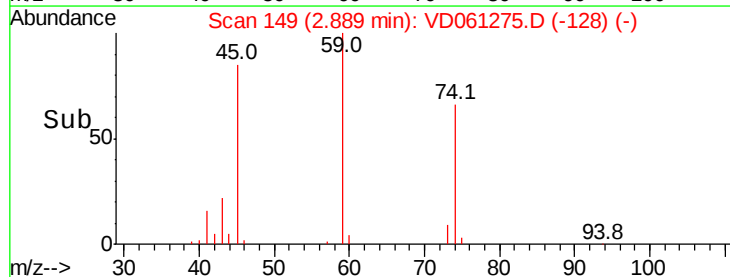
Tgt Ion: 74 Resp: 128713
 Ion Ratio Lower Upper
 74 100
 45 128.5 67.0 201.1

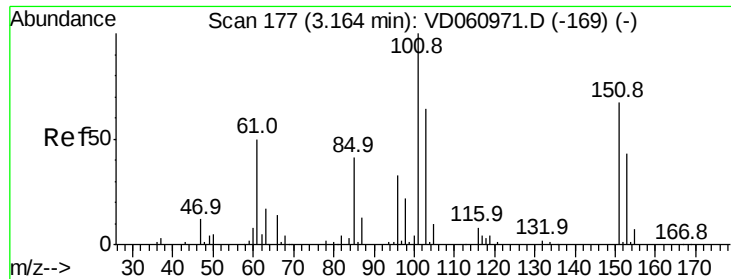


Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.486 ug/l

RT: 3.17 min Scan# 178

Delta R.T. 0.01 min

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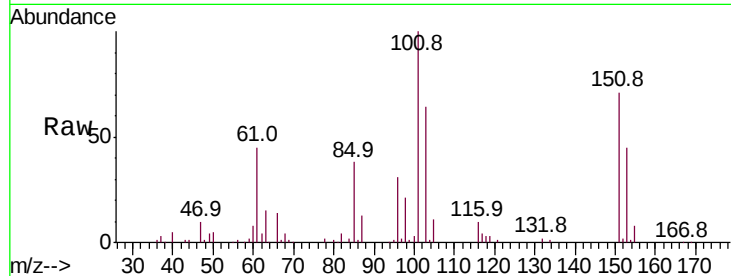
Tot Ion:101 Resp: 417547

Ion Ratio Lower Upper

101 100

85 38.4 32.5 48.7

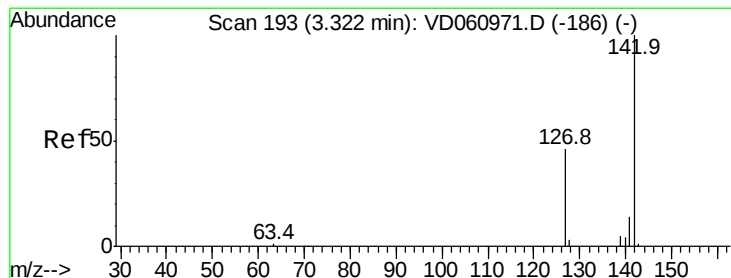
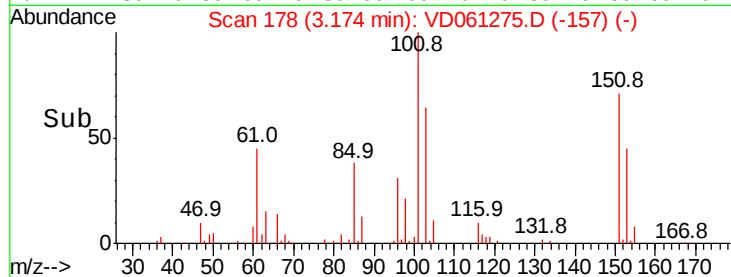
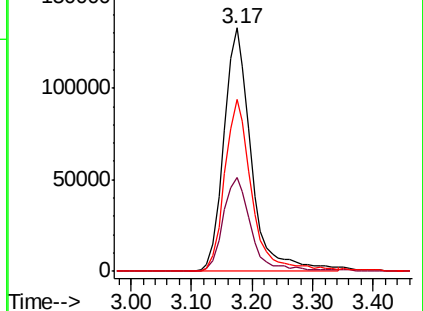
151 70.8 53.3 79.9



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: 52.462 ug/l

RT: 3.33 min Scan# 194

Delta R.T. 0.01 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

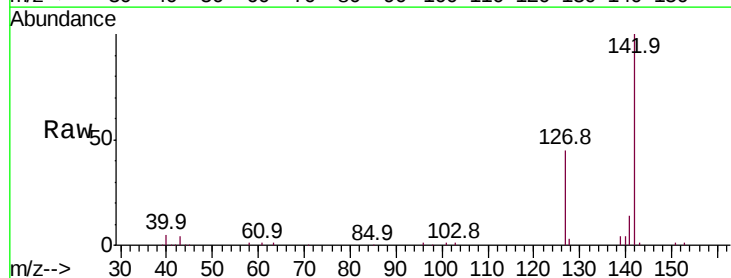
Tgt Ion:142 Resp: 599271

Ion Ratio Lower Upper

142 100

127 44.9 36.8 55.2

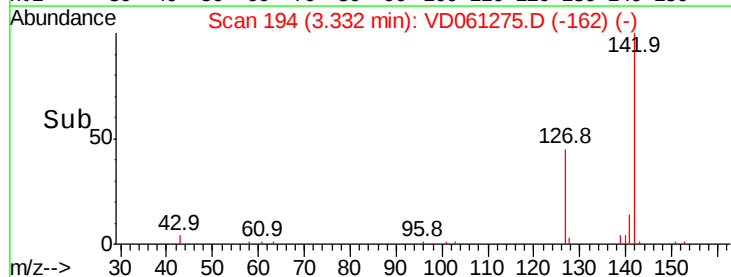
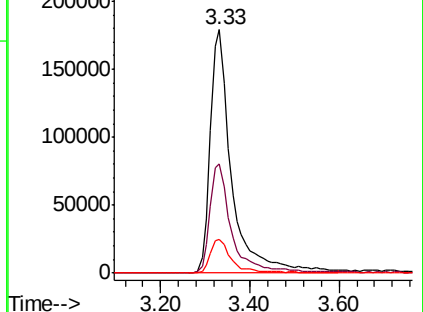
141 14.0 11.2 16.8

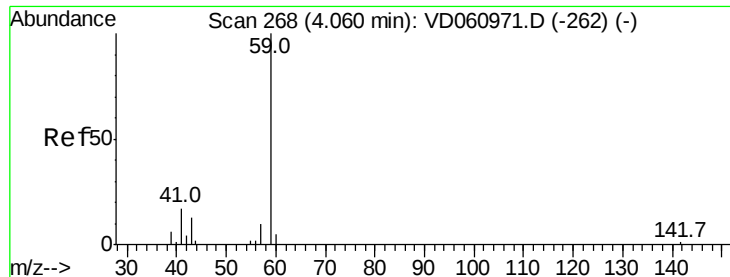


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



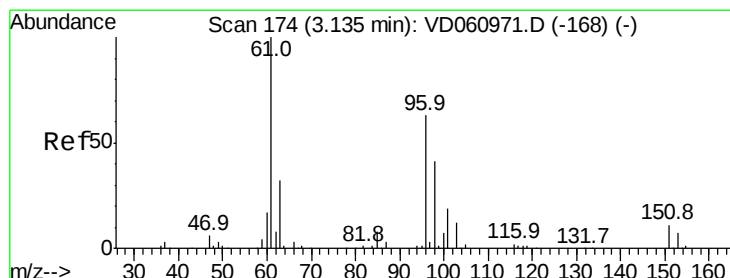
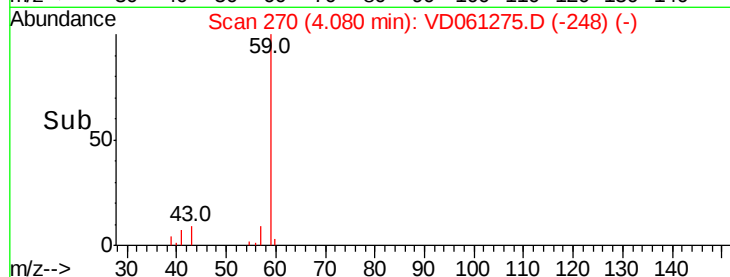
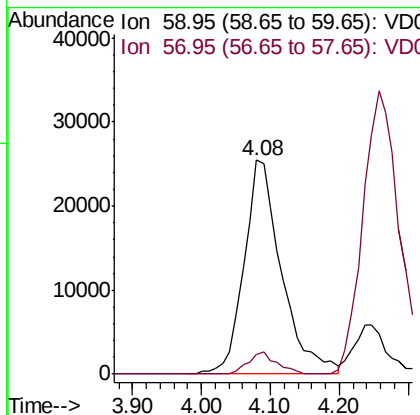
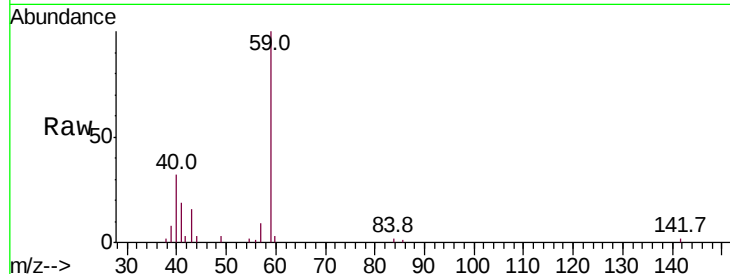


#11

Tert butyl alcohol
Concen: 268.691 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.02 min
Lab File: VD061275.D
Acq: 23 Mar 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

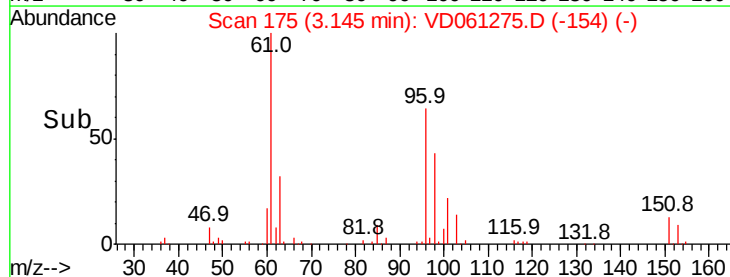
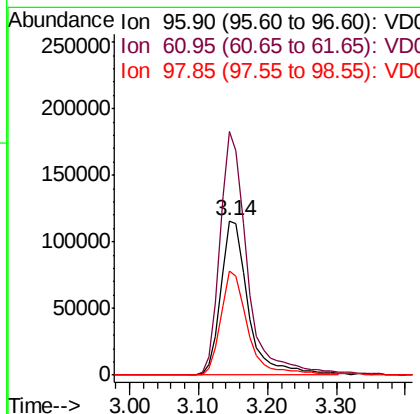
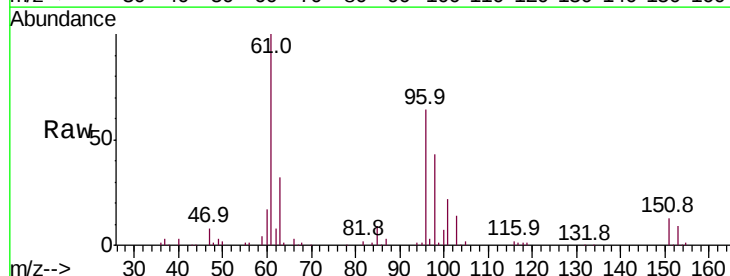
Tot Ion: 59 Resp: 96160
Ion Ratio Lower Upper
59 100
57 9.0 7.1 10.7

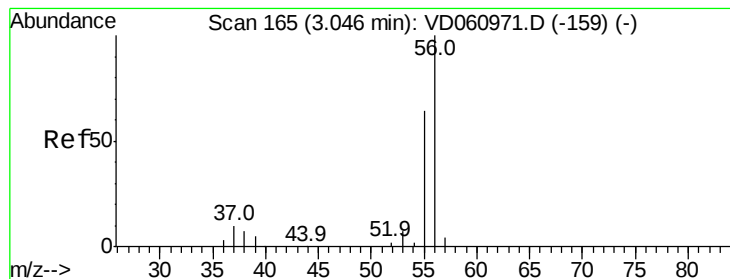


#12

1,1-Dichloroethene
Concen: 47.692 ug/l
RT: 3.14 min Scan# 175
Delta R.T. 0.01 min
Lab File: VD061275.D
Acq: 23 Mar 2019 12:11

Tgt Ion: 96 Resp: 323314
Ion Ratio Lower Upper
96 100
61 157.4 127.1 190.7
98 67.2 51.5 77.3





#13

Acrolein

Concen: 186.217 ug/l

RT: 3.06 min Scan# 166

Delta R.T. 0.01 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

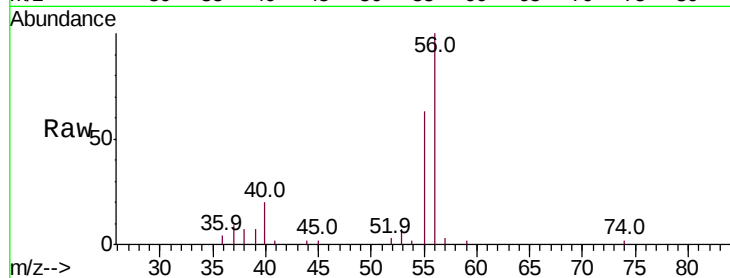
VSTDCCC050

Tot Ion: 56 Resp: 96428

Ion Ratio Lower Upper

56 100

55 63.0 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.06

40000

30000

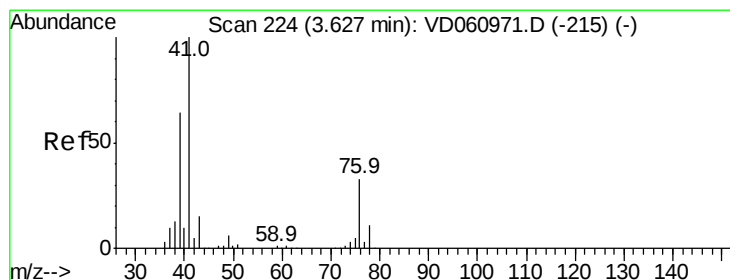
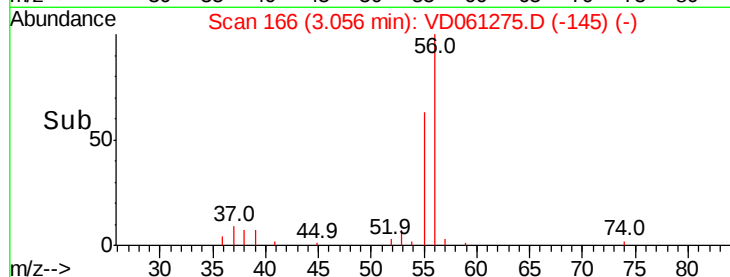
20000

10000

0

Time-->

2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 52.135 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

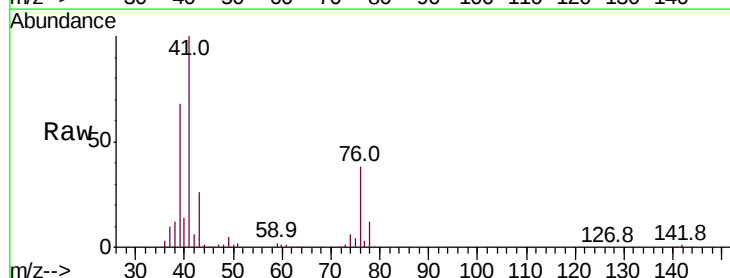
Tgt Ion: 41 Resp: 565499

Ion Ratio Lower Upper

41 100

39 68.1 51.1 76.7

76 37.8 29.1 43.7



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

250000

200000

150000

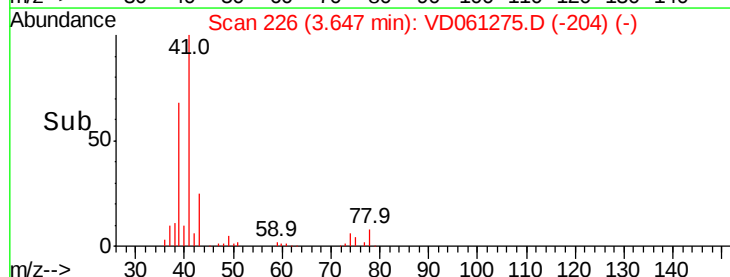
100000

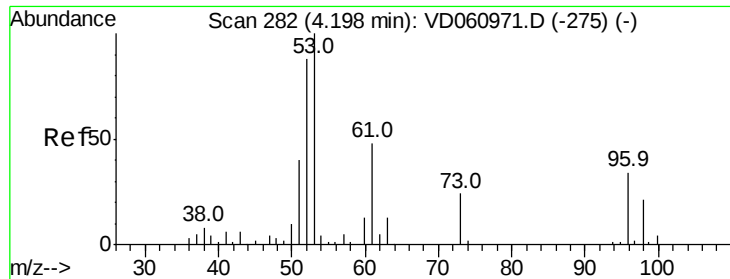
50000

0

Time-->

3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 278.322 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

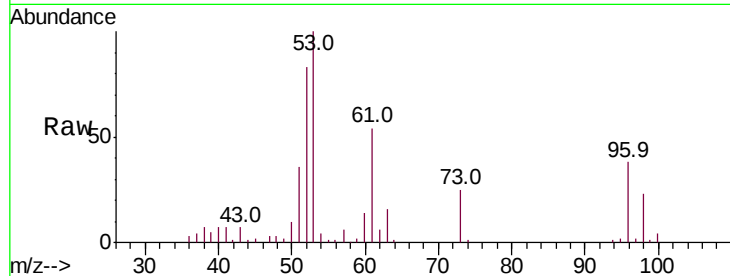
Tot Ion: 53 Resp: 352042

Ion Ratio Lower Upper

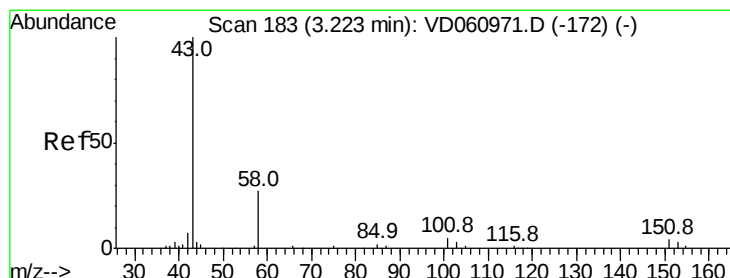
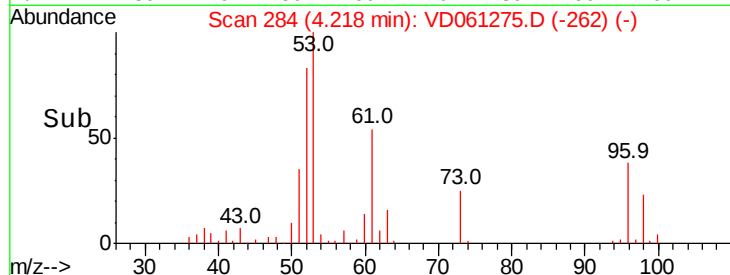
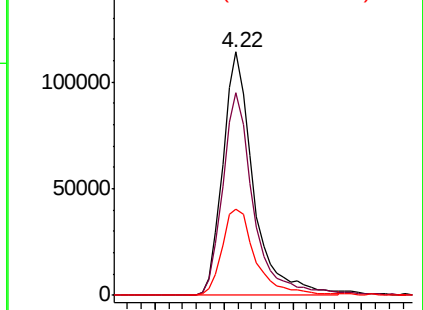
53 100

52 83.3 70.2 105.4

51 35.7 31.7 47.5



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: 282.665 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.02 min

Lab File: VD061275.D

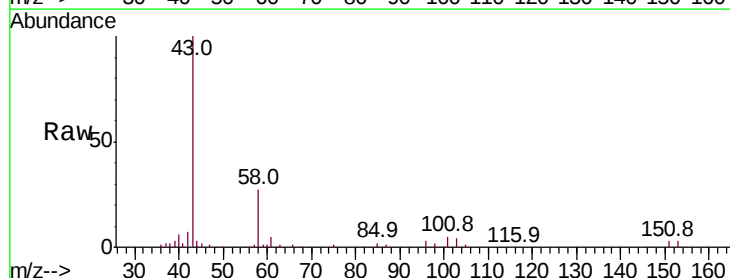
Acq: 23 Mar 2019 12:11

Tgt Ion: 43 Resp: 454399

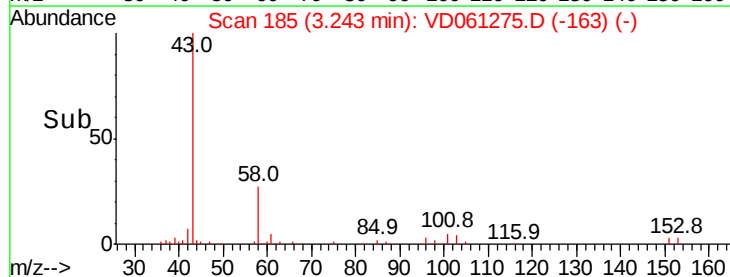
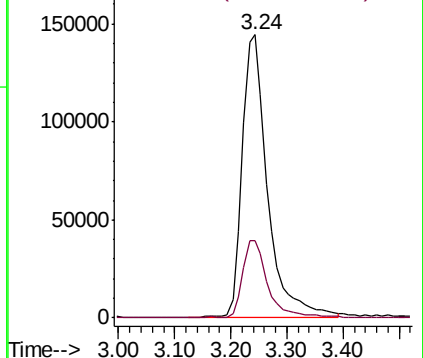
Ion Ratio Lower Upper

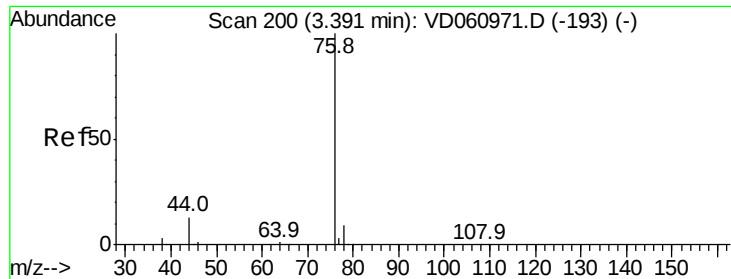
43 100

58 27.5 21.6 32.4



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

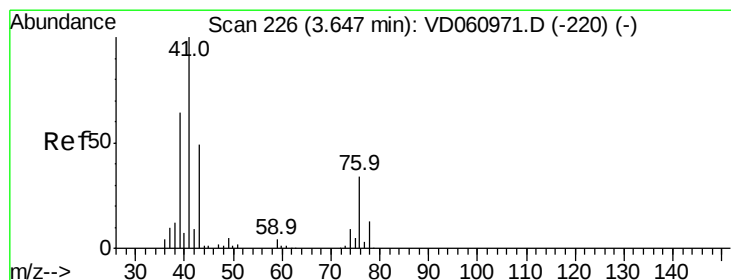
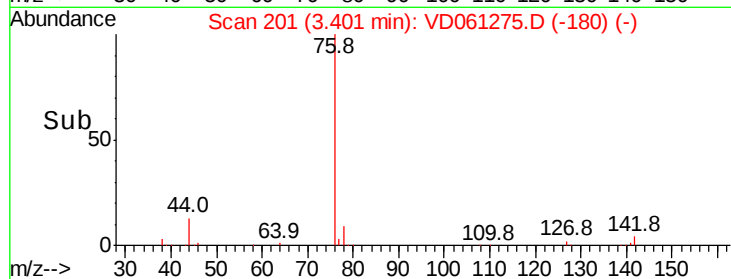
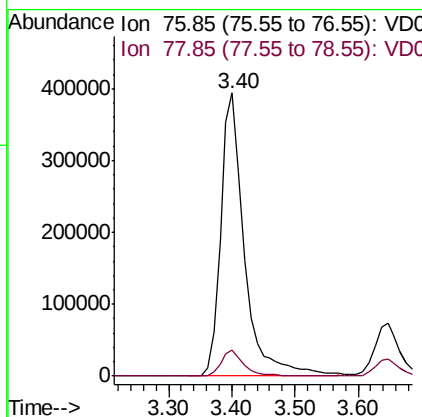
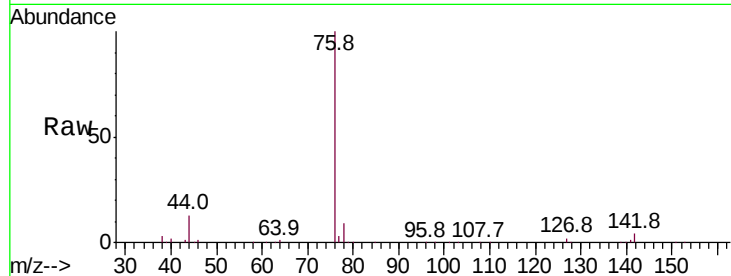




#17
Carbon Disulfide
Concen: 44.969 ug/l
RT: 3.40 min Scan# 201
Delta R.T. 0.01 min
Lab File: VD061275.D
Acq: 23 Mar 2019 12:11

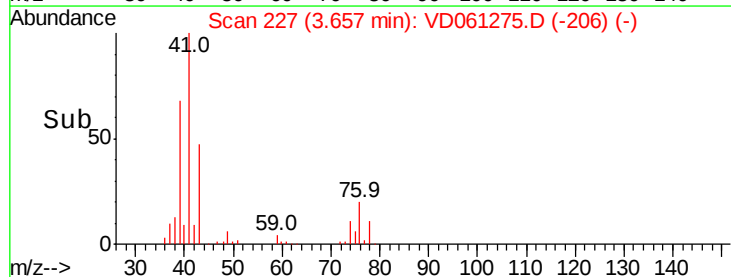
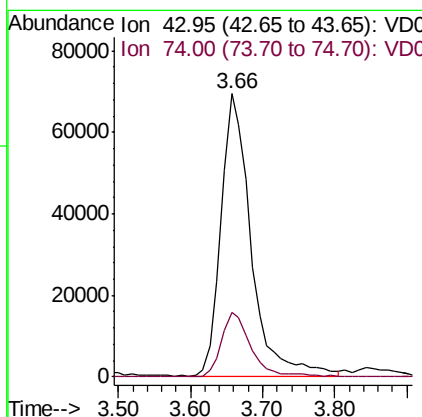
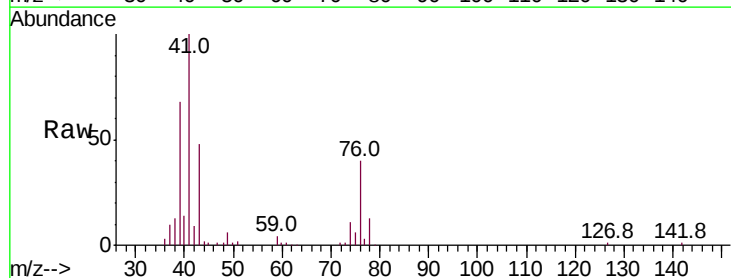
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

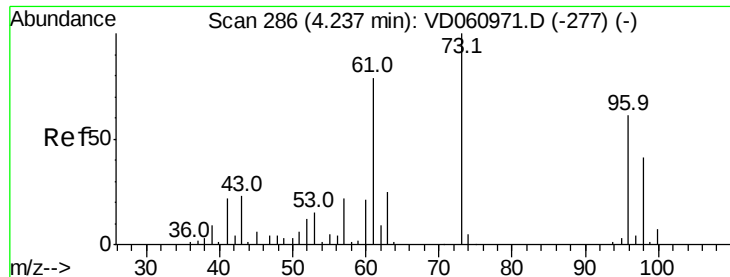
Tot Ion: 76 Resp: 1028381
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2



#18
Methyl Acetate
Concen: 63.938 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.01 min
Lab File: VD061275.D
Acq: 23 Mar 2019 12:11

Tgt Ion: 43 Resp: 202276
Ion Ratio Lower Upper
43 100
74 22.8 14.6 21.8#



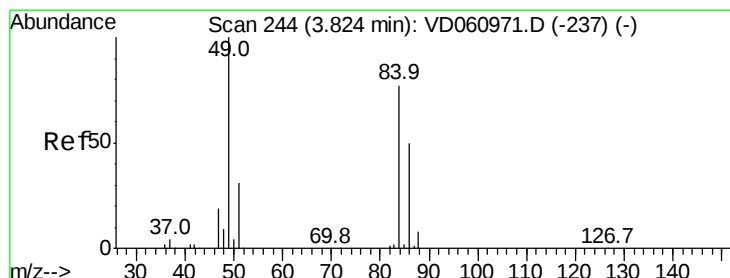
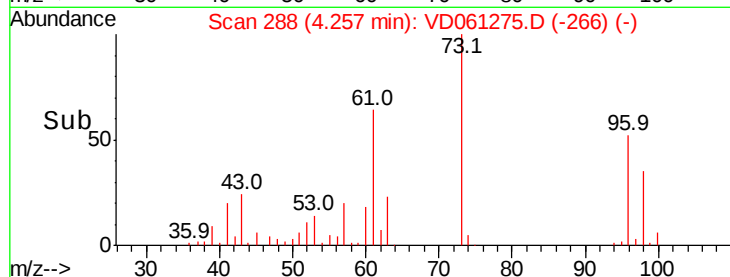
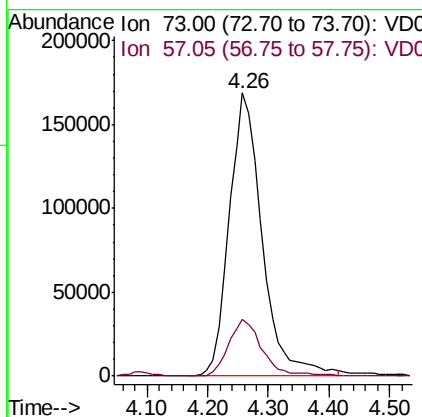
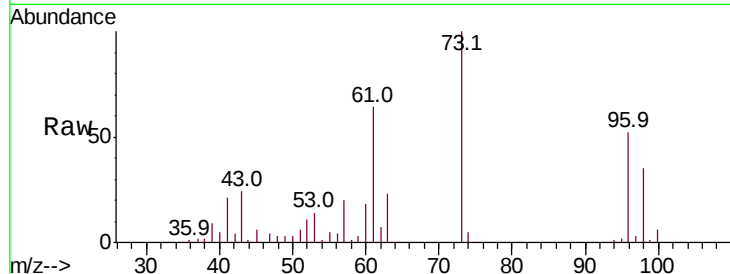


#19

Methyl tert-butyl Ether
 Concen: 53.631 ug/l
 RT: 4.26 min Scan# 288
 Delta R.T. 0.02 min
 Lab File: VD061275.D
 Acq: 23 Mar 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

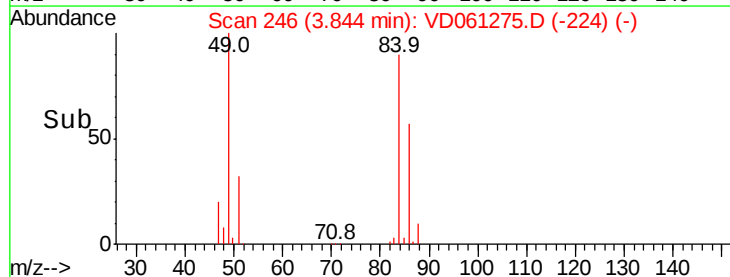
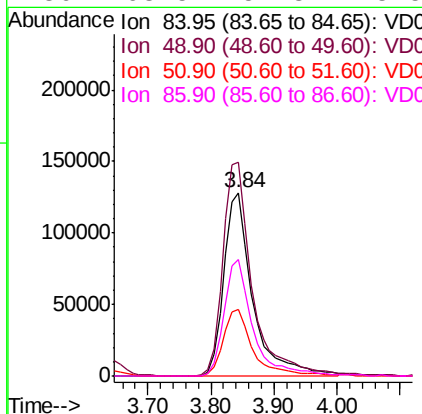
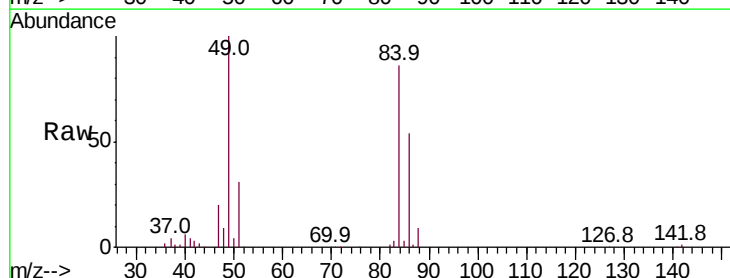
Tot Ion: 73 Resp: 637182
 Ion Ratio Lower Upper
 73 100
 57 20.0 17.7 26.5

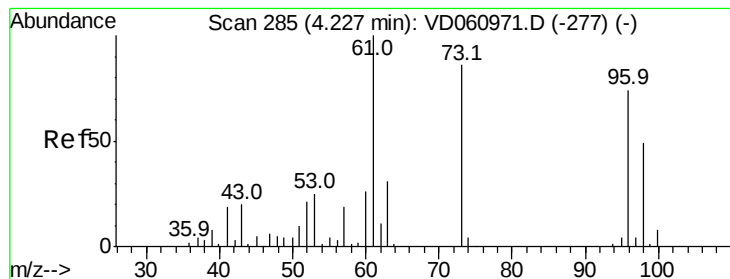


#20

Methylene Chloride
 Concen: 55.948 ug/l
 RT: 3.84 min Scan# 246
 Delta R.T. 0.02 min
 Lab File: VD061275.D
 Acq: 23 Mar 2019 12:11

Tgt Ion: 84 Resp: 406020
 Ion Ratio Lower Upper
 84 100
 49 116.7 104.2 156.2
 51 36.7 32.3 48.5
 86 63.5 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 50.290 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.01 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

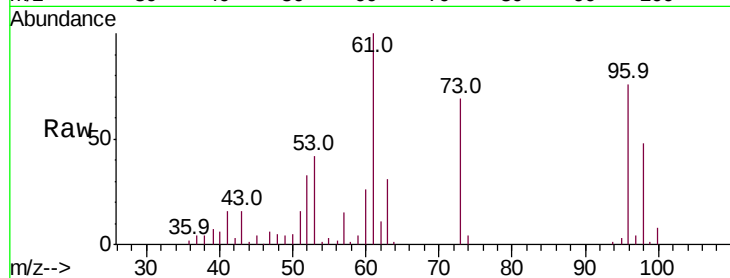
Tot Ion: 96 Resp: 369011

Ion Ratio Lower Upper

96 100

61 132.3 108.4 162.6

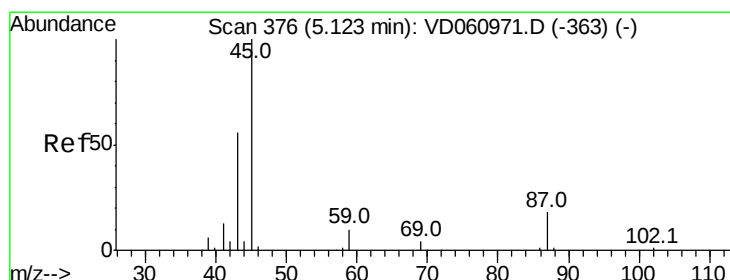
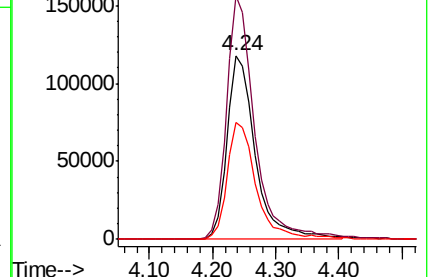
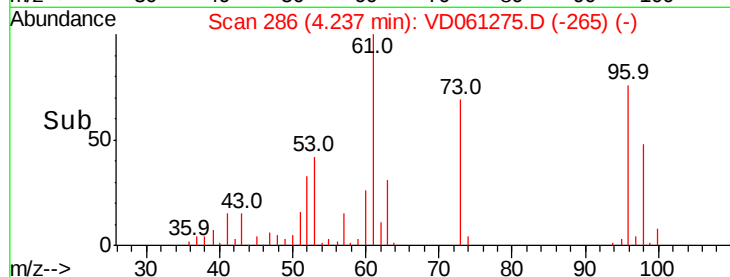
98 63.3 53.0 79.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 50.717 ug/l

RT: 5.14 min Scan# 378

Delta R.T. 0.02 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

Tgt Ion: 45 Resp: 1141993

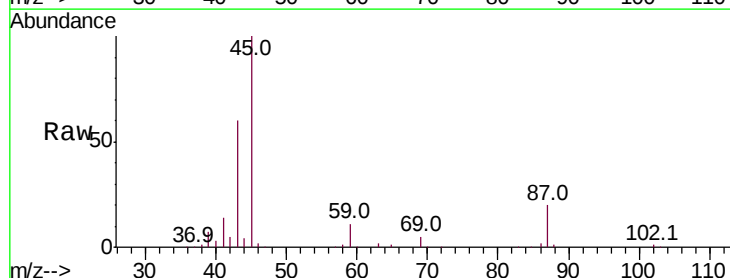
Ion Ratio Lower Upper

45 100

43 60.3 45.8 68.8

87 19.6 14.9 22.3

59 10.8 8.0 12.0

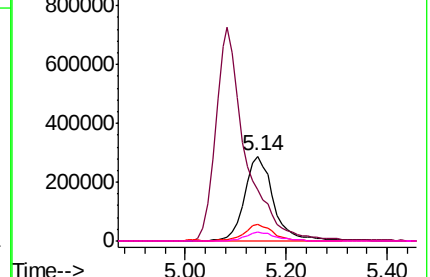
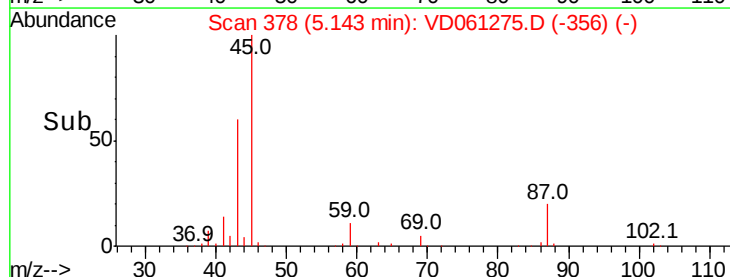


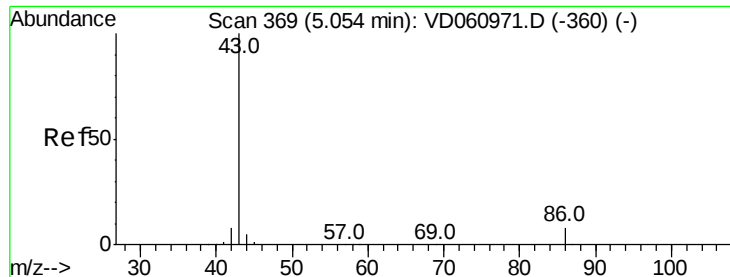
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 255.647 ug/l

RT: 5.08 min Scan# 372

Delta R.T. 0.03 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

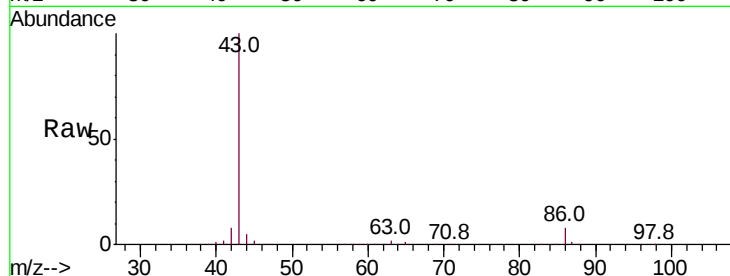
VSTDCCC050

Tot Ion: 43 Resp: 2955012

Ion Ratio Lower Upper

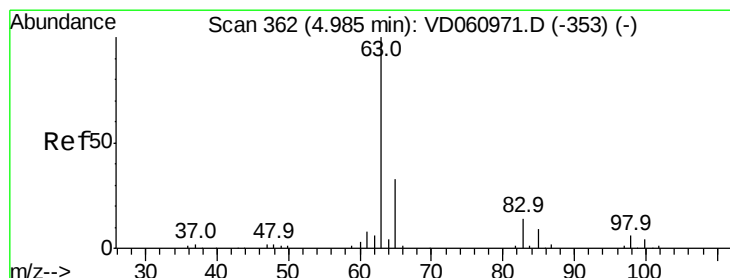
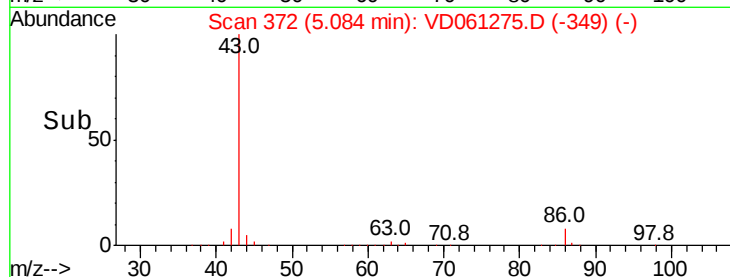
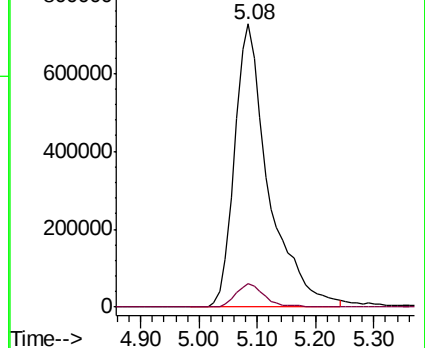
43 100

86 8.3 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 53.791 ug/l

RT: 5.02 min Scan# 365

Delta R.T. 0.03 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

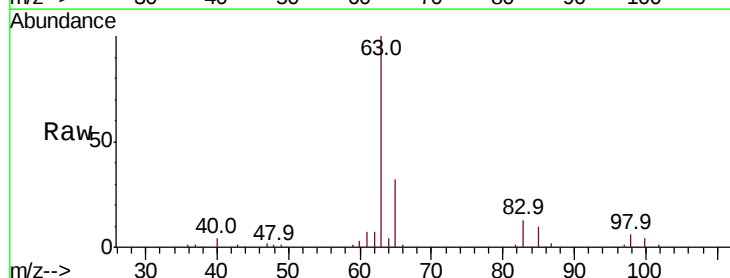
Tgt Ion: 63 Resp: 663619

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

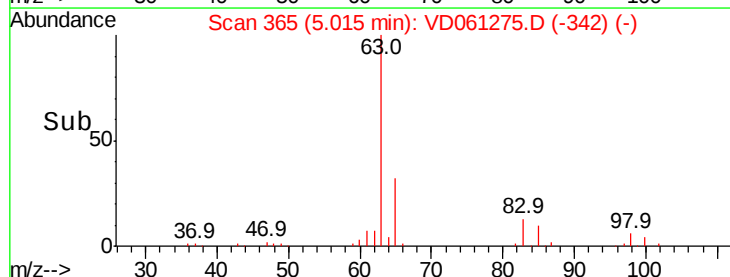
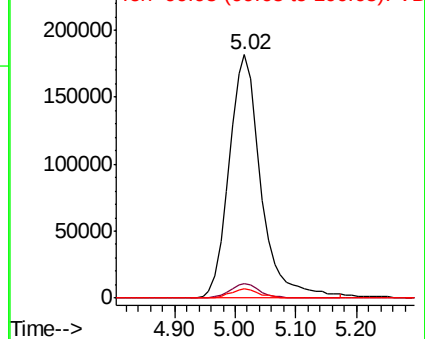
100 3.6 2.0 5.8

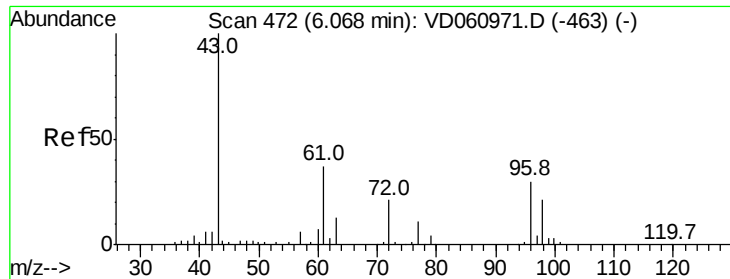


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 265.109 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.02 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

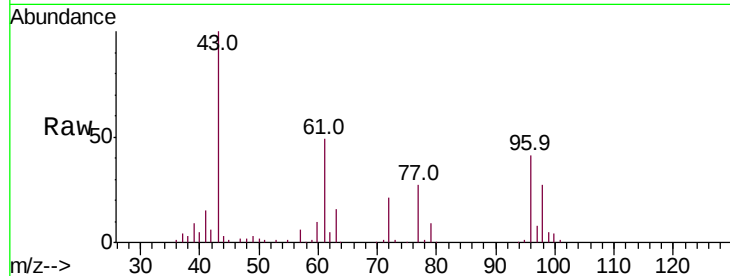
VSTDCCC050

Tot Ion: 43 Resp: 483593

Ion Ratio Lower Upper

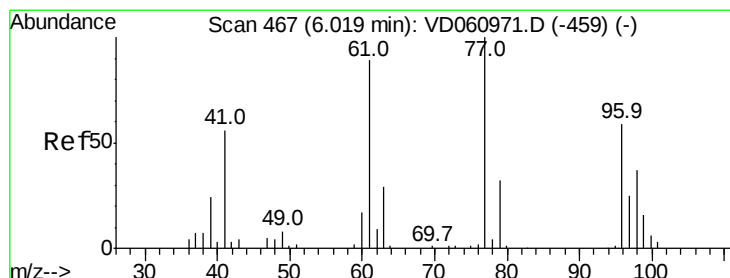
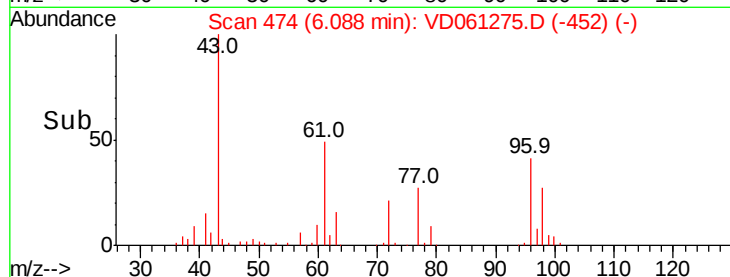
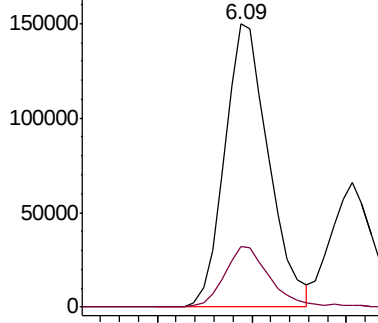
43 100

72 21.5 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 55.918 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.03 min

Lab File: VD061275.D

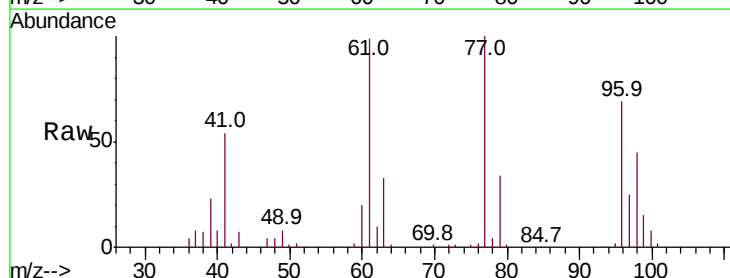
Acq: 23 Mar 2019 12:11

Tgt Ion: 77 Resp: 538545

Ion Ratio Lower Upper

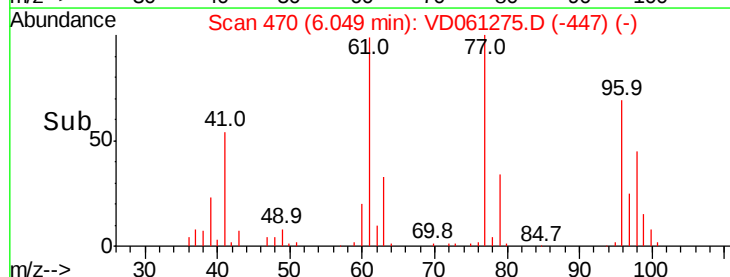
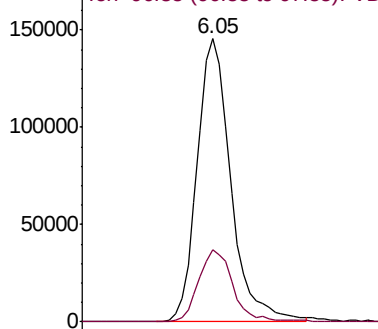
77 100

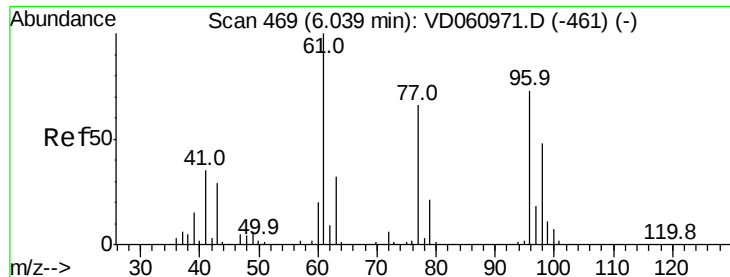
97 25.4 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



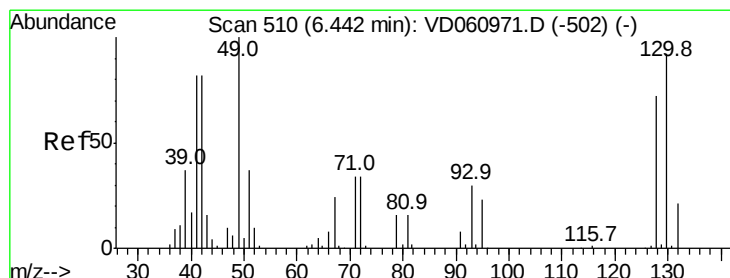
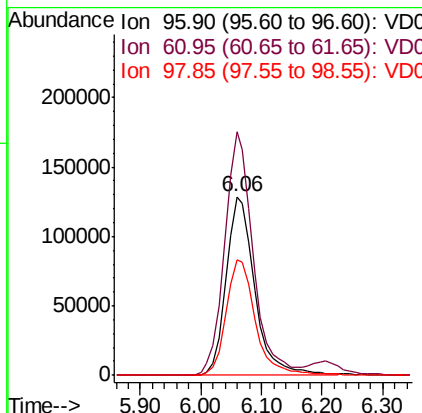
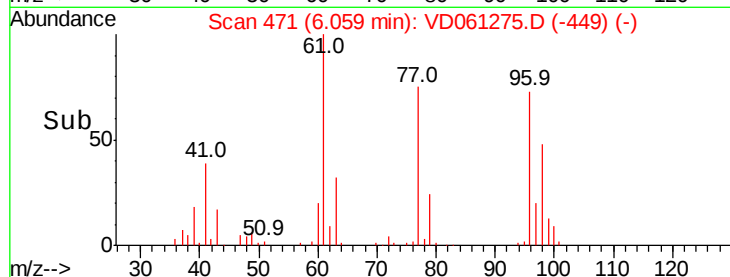
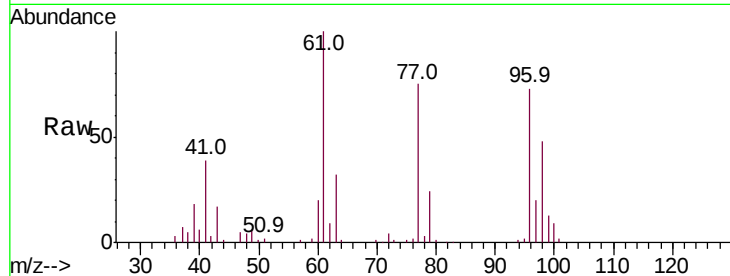


#27

cis-1,2-Dichloroethene
Concen: 54.263 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.02 min
Lab File: VD061275.D
Acq: 23 Mar 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

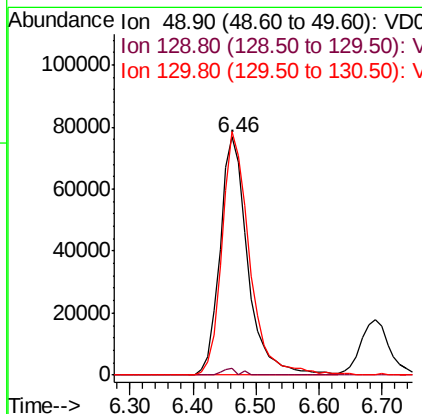
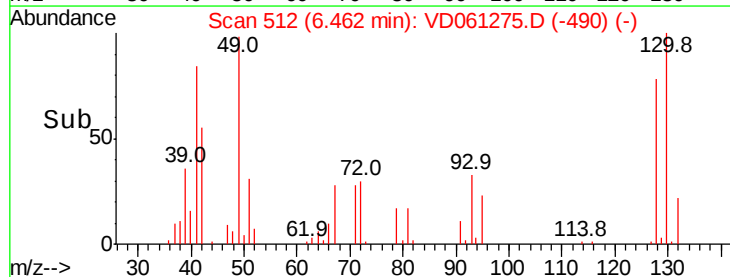
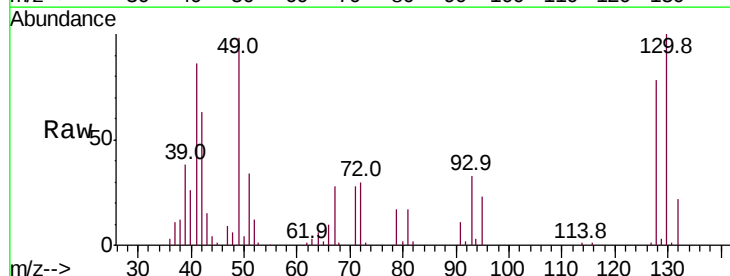
Tot Ion: 96 Resp: 422444
Ion Ratio Lower Upper
96 100
61 136.1 0.0 273.6
98 65.0 0.0 132.6

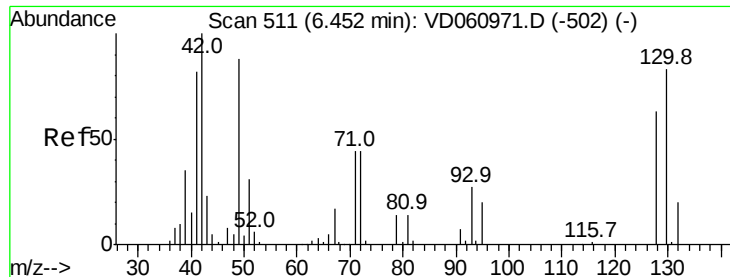


#28

Bromochloromethane
Concen: 45.184 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD061275.D
Acq: 23 Mar 2019 12:11

Tgt Ion: 49 Resp: 235989
Ion Ratio Lower Upper
49 100
129 2.6 0.0 4.0
130 102.1 73.8 110.8





#29

Tetrahydrofuran

Concen: 232.158 ug/l

RT: 6.48 min Scan# 514

Delta R.T. 0.03 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

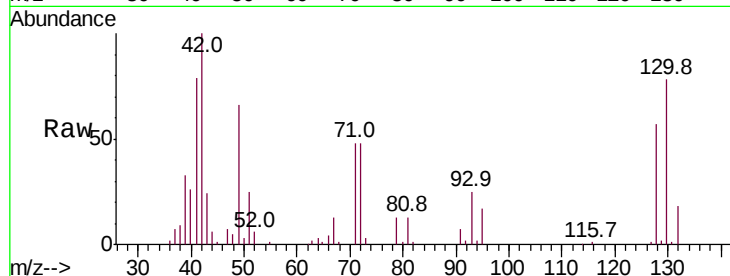
Tot Ion: 42 Resp: 229953

Ion Ratio Lower Upper

42 100

72 47.4 34.5 51.7

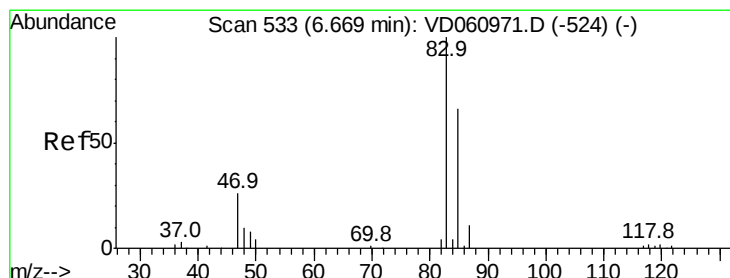
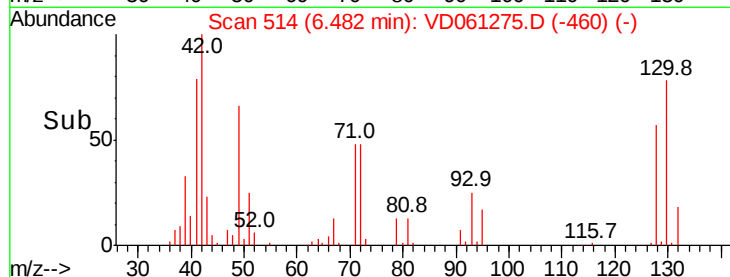
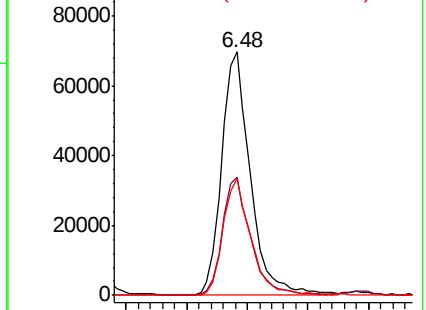
71 46.0 33.8 50.6



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: 51.179 ug/l

RT: 6.68 min Scan# 534

Delta R.T. 0.01 min

Lab File: VD061275.D

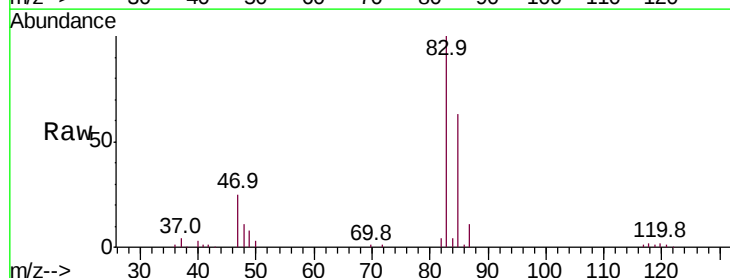
Acq: 23 Mar 2019 12:11

Tgt Ion: 83 Resp: 654397

Ion Ratio Lower Upper

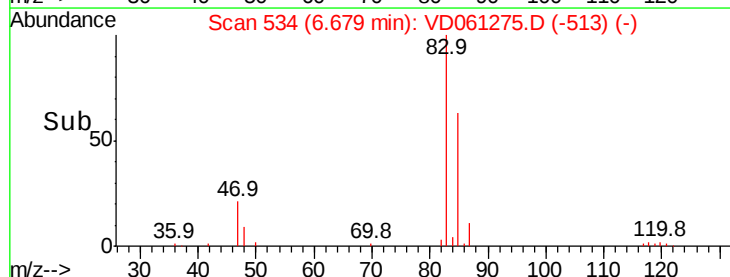
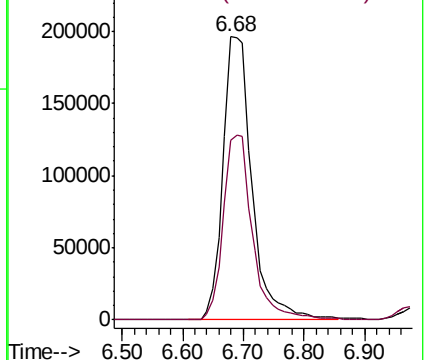
83 100

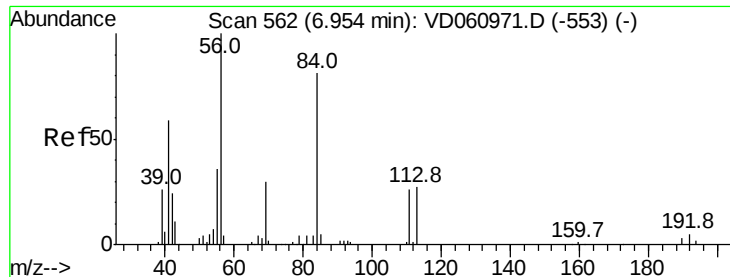
85 63.3 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

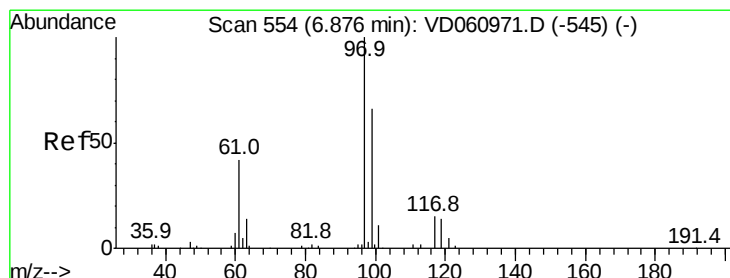
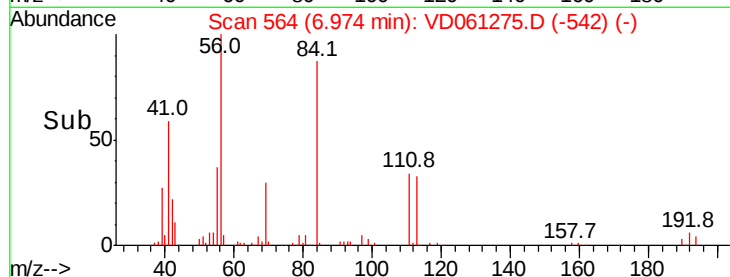
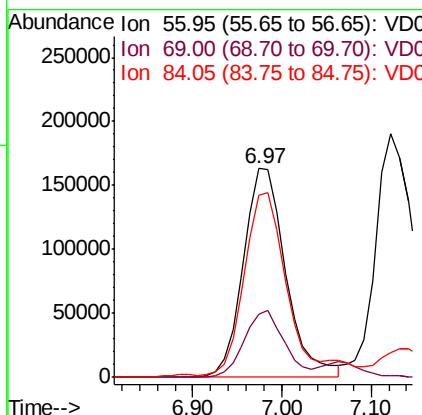
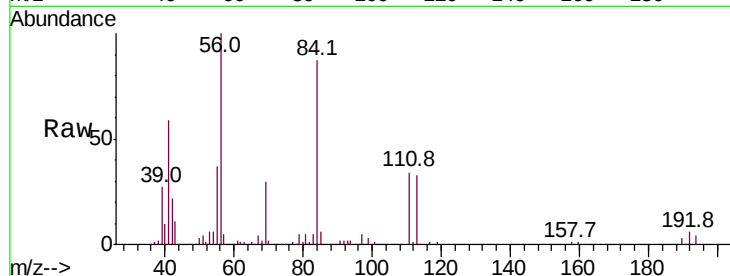




#31
Cyclohexane
Concen: 54.158 ug/l
RT: 6.97 min Scan# 564
Delta R.T. 0.02 min
Lab File: VD061275.D
Acq: 23 Mar 2019 12:11

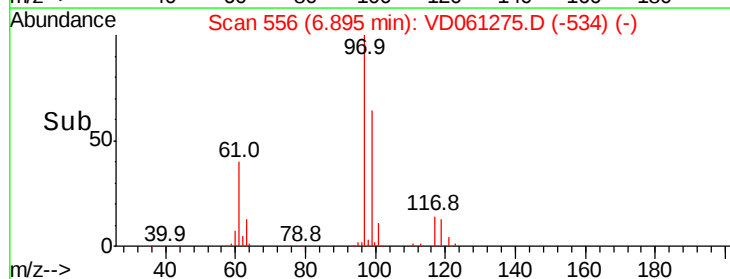
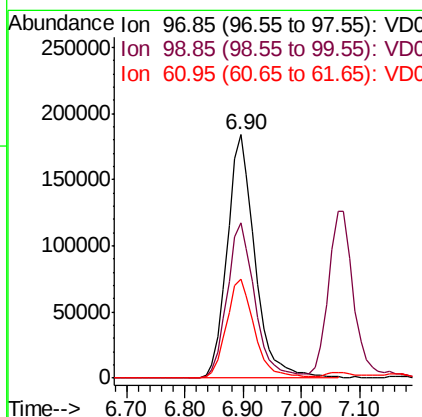
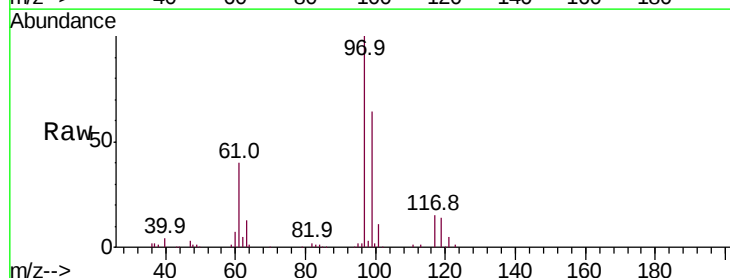
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

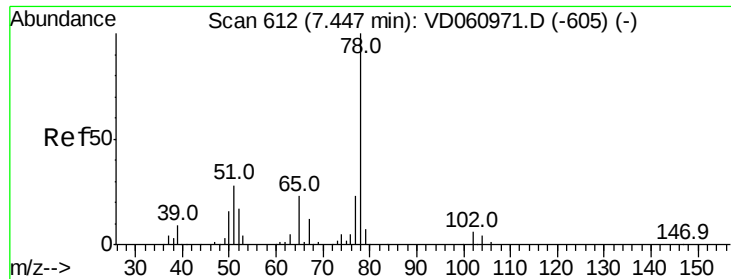
Tot Ion: 56 Resp: 538747
Ion Ratio Lower Upper
56 100
69 30.4 24.0 36.0
84 87.5 65.8 98.6



#32
1,1,1-Trichloroethane
Concen: 54.995 ug/l
RT: 6.90 min Scan# 556
Delta R.T. 0.02 min
Lab File: VD061275.D
Acq: 23 Mar 2019 12:11

Tgt Ion: 97 Resp: 607939
Ion Ratio Lower Upper
97 100
99 63.9 53.2 79.8
61 40.4 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 54.995 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.03 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

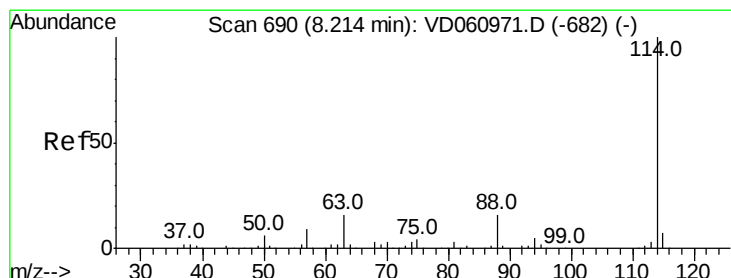
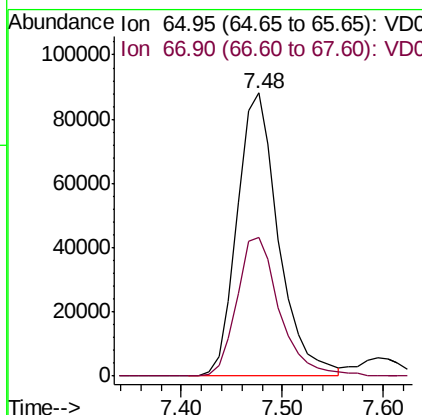
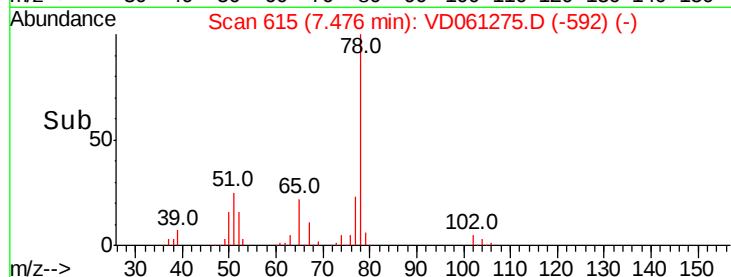
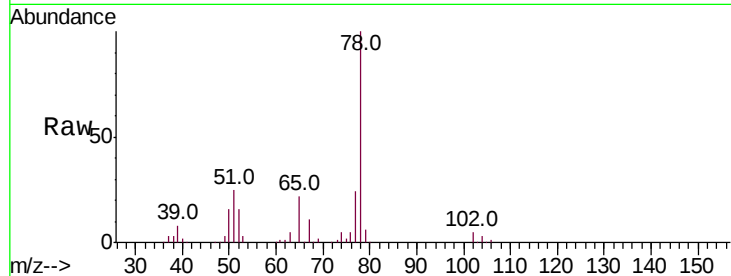
VSTDCCC050

Tot Ion: 65 Resp: 251454

Ion Ratio Lower Upper

65 100

67 49.2 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 692

Delta R.T. 0.02 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

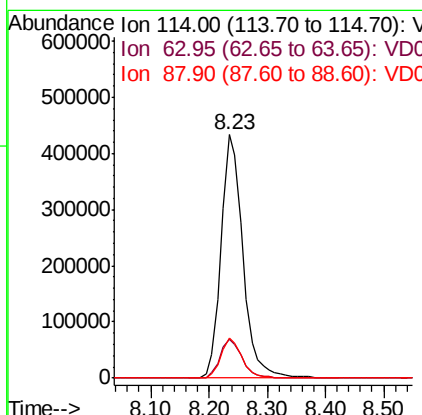
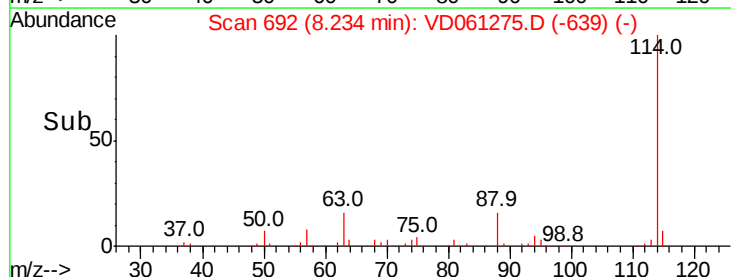
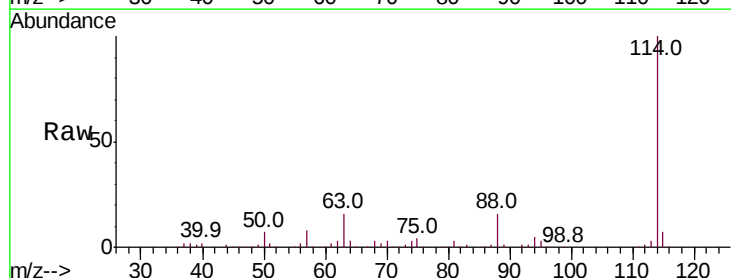
Tgt Ion: 114 Resp: 1130156

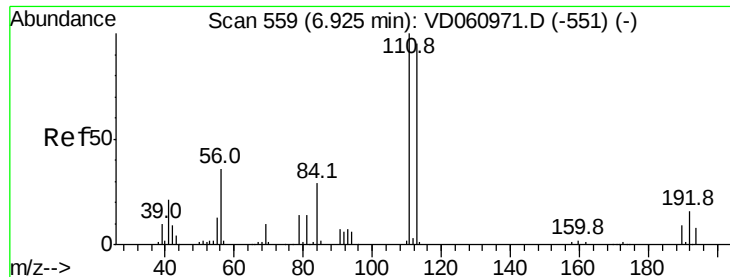
Ion Ratio Lower Upper

114 100

63 15.9 0.0 31.4

88 16.3 0.0 33.0

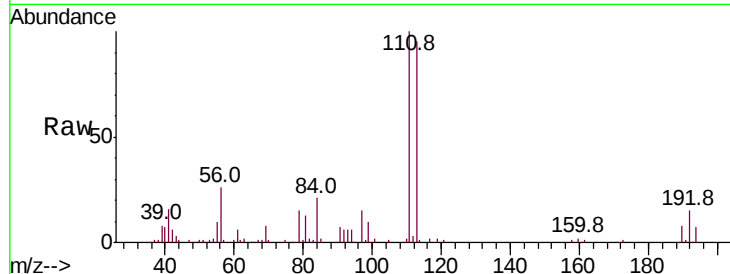




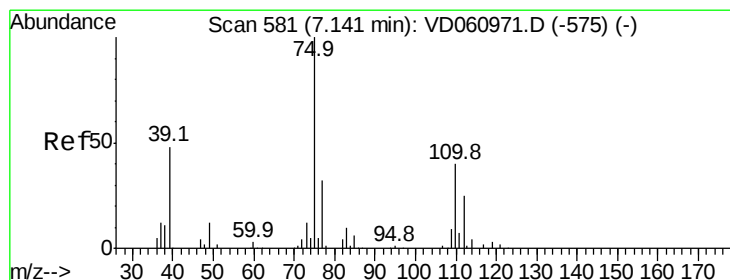
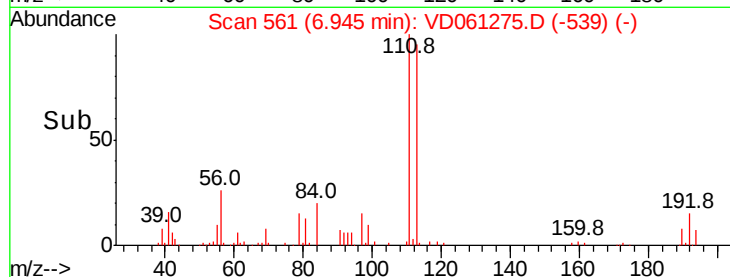
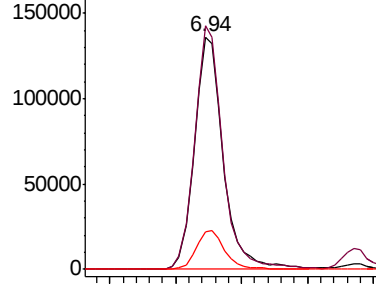
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.94 min Scan# 561
Delta R.T. 0.02 min
Lab File: VD061275.D
Acq: 23 Mar 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:113 Resp: 414555
Ion Ratio Lower Upper
113 100
111 104.8 84.2 126.4
192 15.9 13.1 19.7

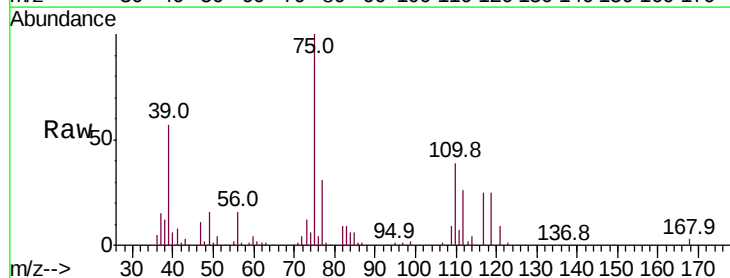


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

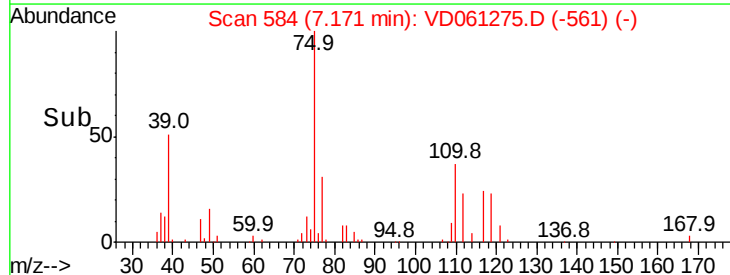
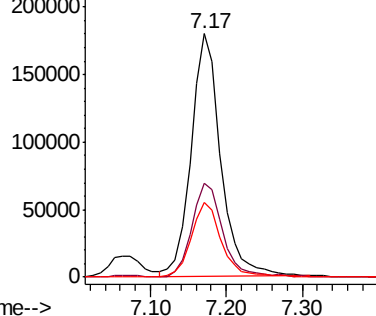


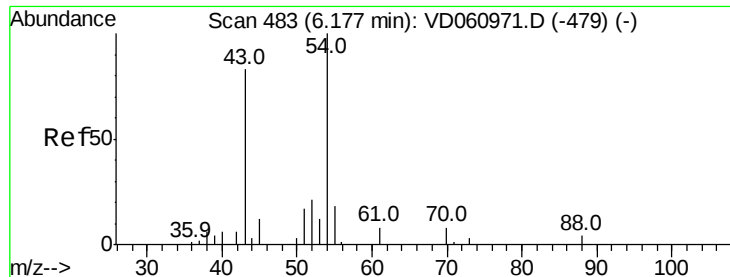
#36
1,1-Dichloropropene
Concen: 49.812 ug/l
RT: 7.17 min Scan# 584
Delta R.T. 0.03 min
Lab File: VD061275.D
Acq: 23 Mar 2019 12:11

Tgt Ion: 75 Resp: 485255
Ion Ratio Lower Upper
75 100
110 38.6 19.7 59.1
77 30.8 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

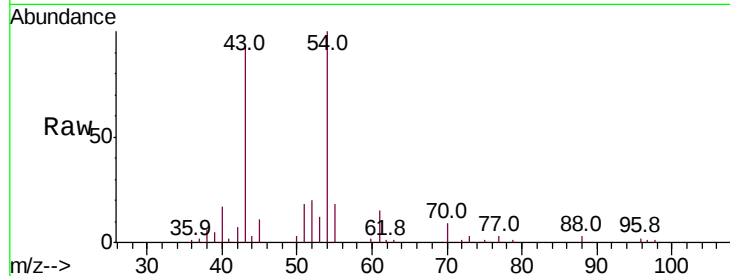




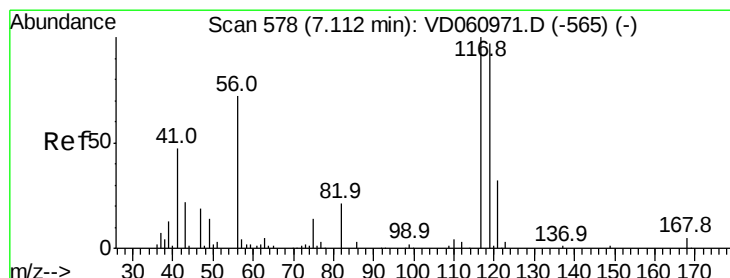
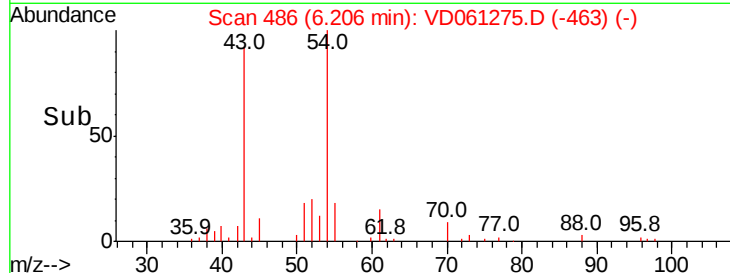
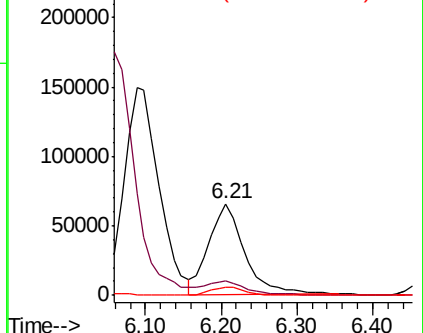
#37
Ethyl Acetate
Concen: 46.594 ug/l
RT: 6.21 min Scan# 486
Delta R.T. 0.03 min
Lab File: VD061275.D
Acq: 23 Mar 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 213004
Ion Ratio Lower Upper
43 100
61 15.8 13.7 20.5
70 9.2 7.1 10.7

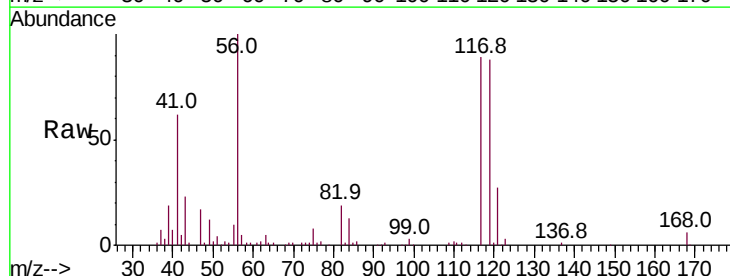


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

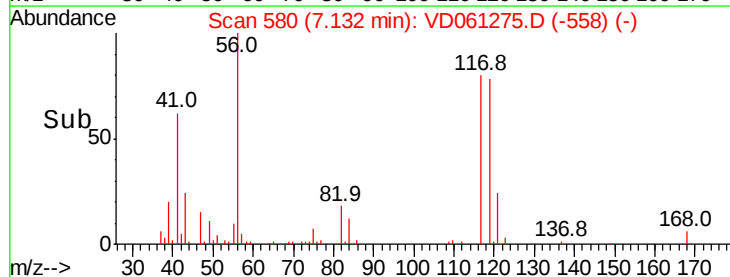
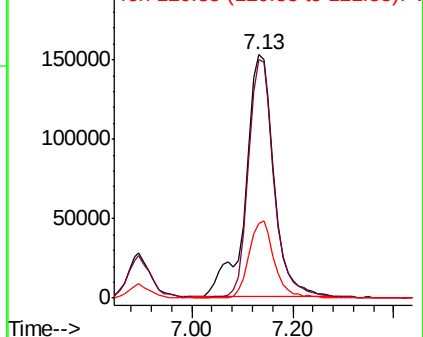


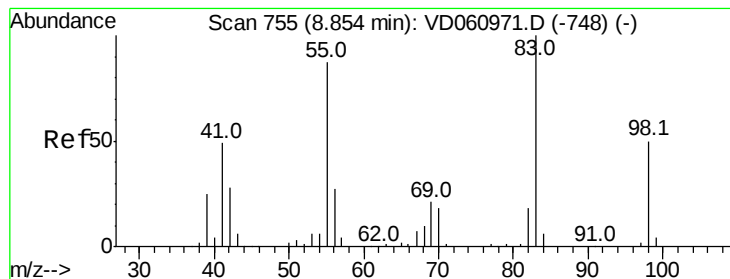
#38
Carbon Tetrachloride
Concen: 56.301 ug/l
RT: 7.13 min Scan# 580
Delta R.T. 0.02 min
Lab File: VD061275.D
Acq: 23 Mar 2019 12:11

Tgt Ion: 117 Resp: 604154
Ion Ratio Lower Upper
117 100
119 98.2 77.8 116.8
121 30.6 25.3 37.9



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: 50.810 ug/l

RT: 8.88 min Scan# 758

Delta R.T. 0.03 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

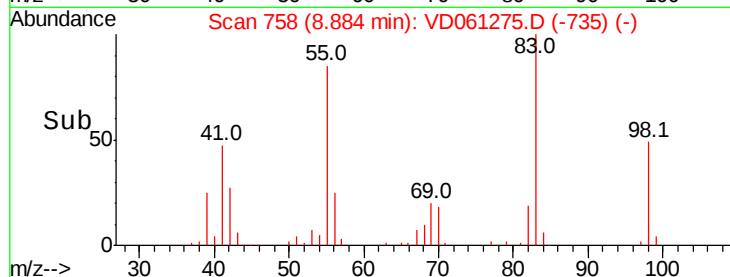
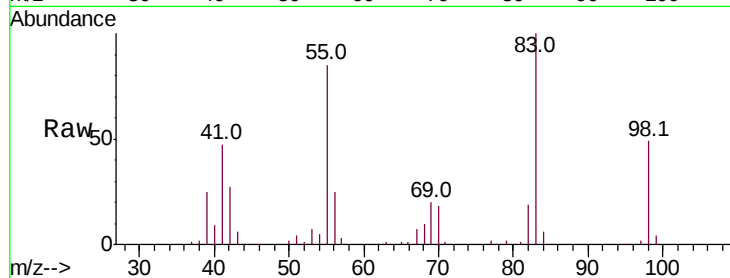
Tot Ion: 83 Resp: 513258

Ion Ratio Lower Upper

83 100

55 85.4 69.6 104.4

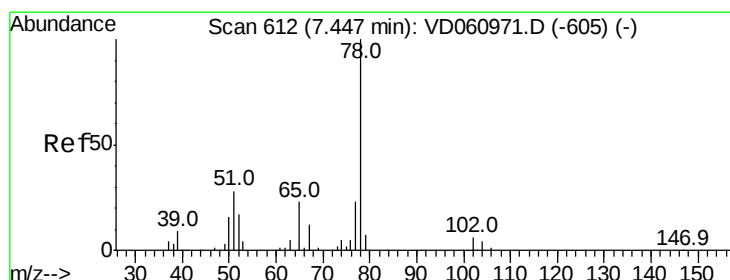
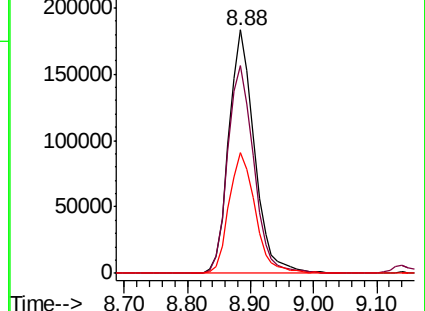
98 49.4 40.0 60.0



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: 51.035 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.03 min

Lab File: VD061275.D

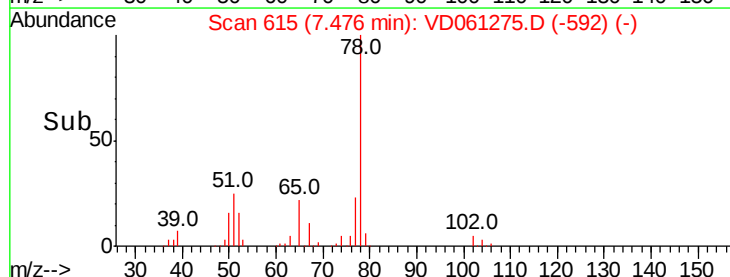
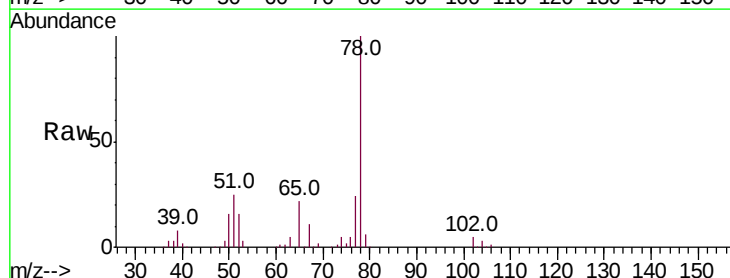
Acq: 23 Mar 2019 12:11

Tgt Ion: 78 Resp: 1242301

Ion Ratio Lower Upper

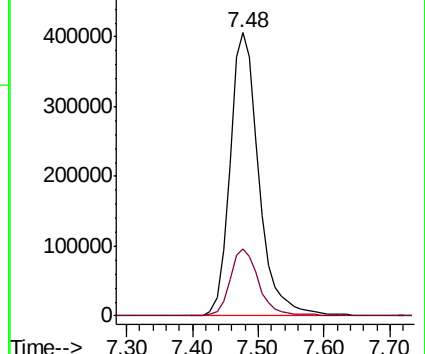
78 100

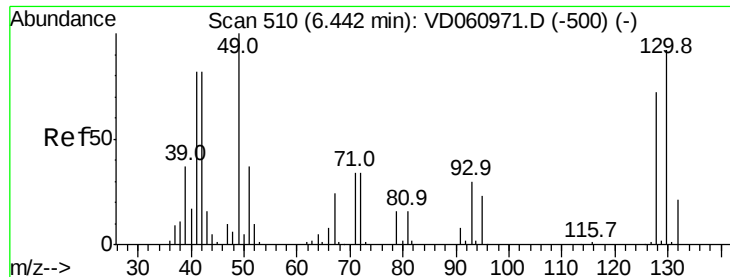
77 23.5 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

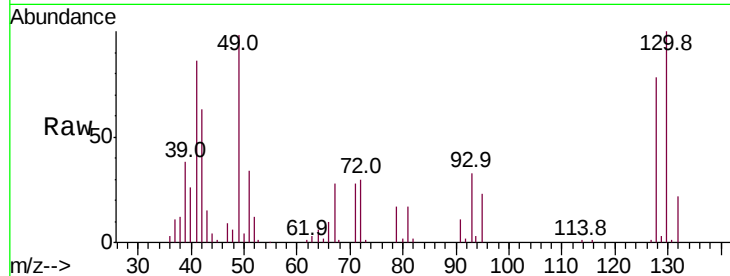




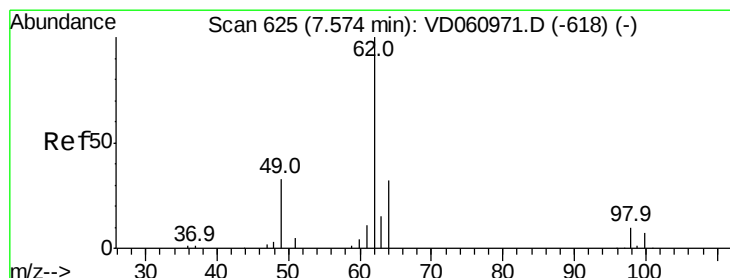
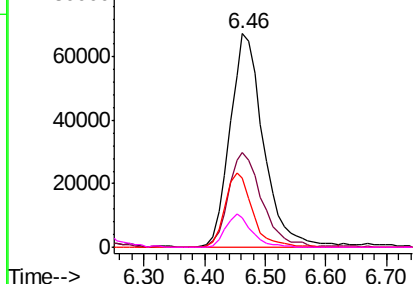
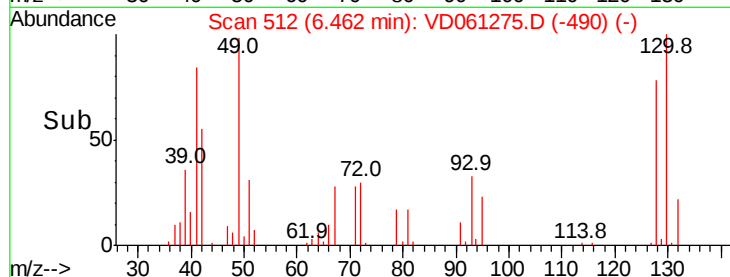
#41
Methacrylonitrile
Concen: 49.222 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD061275.D
Acq: 23 Mar 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 258820
Ion Ratio Lower Upper
41 100
39 44.4 35.7 53.5
67 32.4 23.0 34.6
52 13.6 9.2 13.8

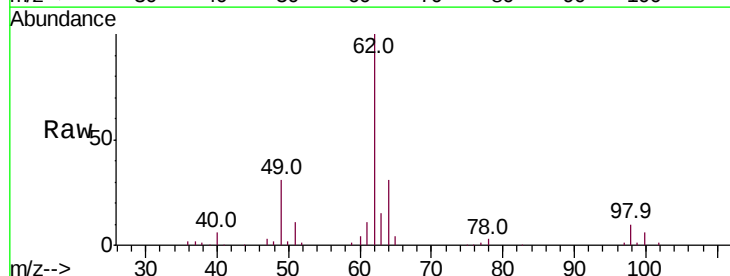


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

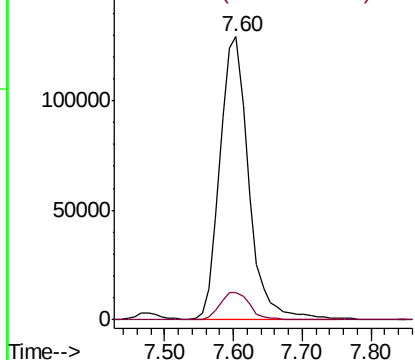
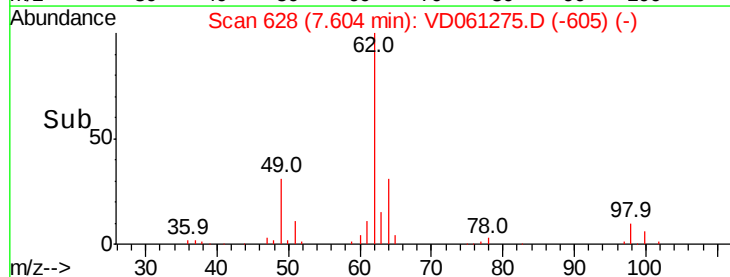


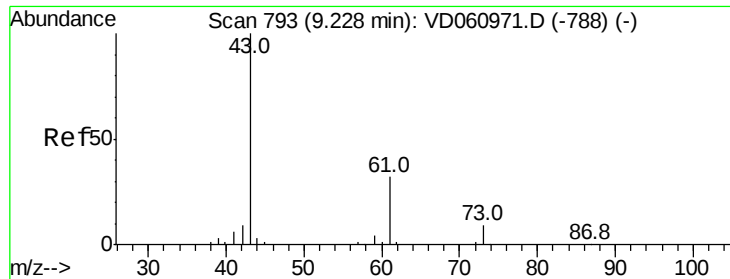
#42
1,2-Dichloroethane
Concen: 52.625 ug/l
RT: 7.60 min Scan# 628
Delta R.T. 0.03 min
Lab File: VD061275.D
Acq: 23 Mar 2019 12:11

Tgt Ion: 62 Resp: 371744
Ion Ratio Lower Upper
62 100
98 9.5 0.0 20.4



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





#43

Isopropyl Acetate

Concen: 49.002 ug/l

RT: 9.26 min Scan# 796

Delta R.T. 0.03 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

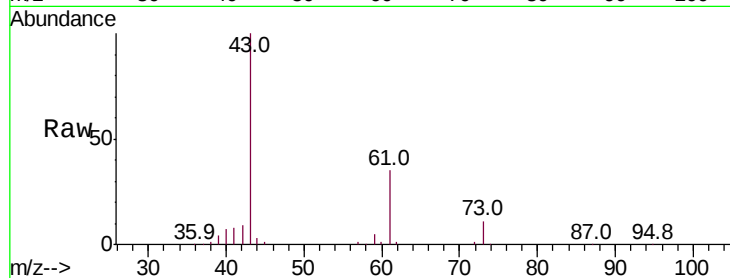
Tot Ion: 43 Resp: 310261

Ion Ratio Lower Upper

43 100

61 34.8 25.6 38.4

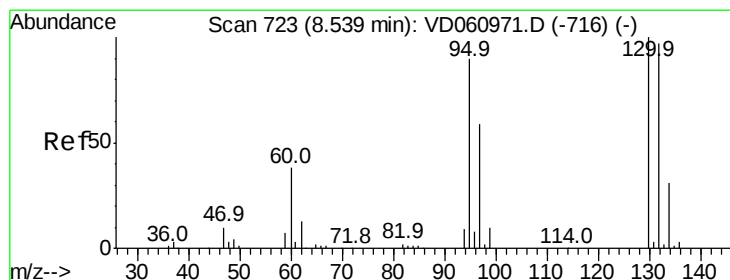
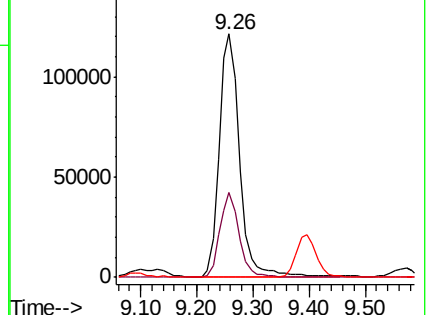
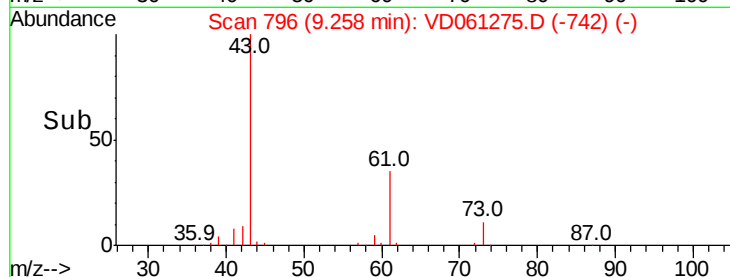
87 0.3 0.2 0.4



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: 54.492 ug/l

RT: 8.56 min Scan# 725

Delta R.T. 0.02 min

Lab File: VD061275.D

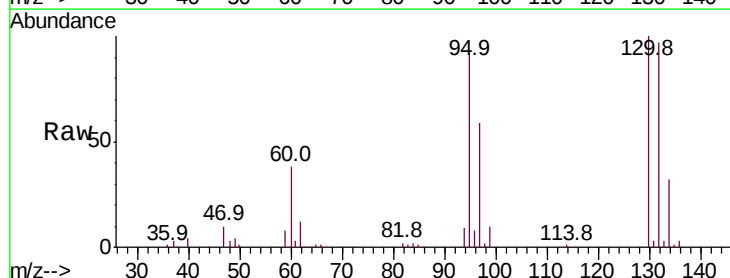
Acq: 23 Mar 2019 12:11

Tgt Ion:130 Resp: 457615

Ion Ratio Lower Upper

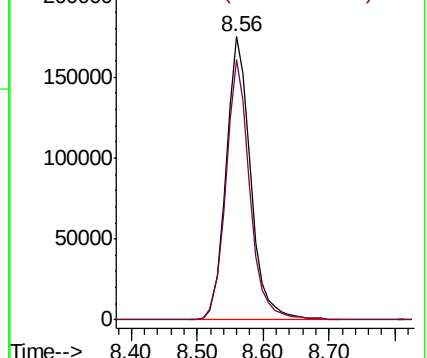
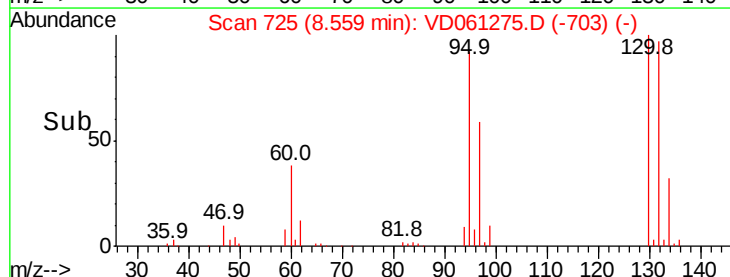
130 100

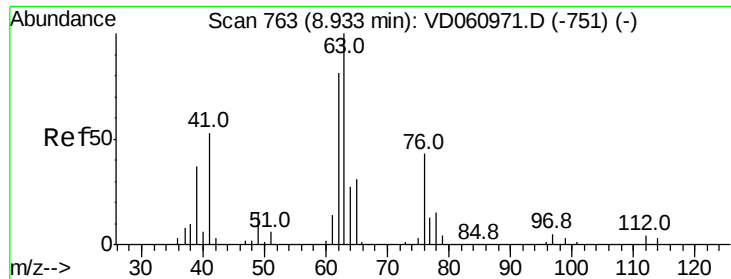
95 92.1 0.0 179.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.861 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.02 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

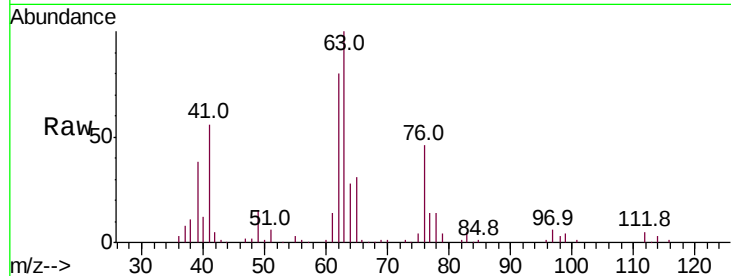
VSTDCCC050

Tot Ion: 63 Resp: 338062

Ion Ratio Lower Upper

63 100

65 30.5 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.95

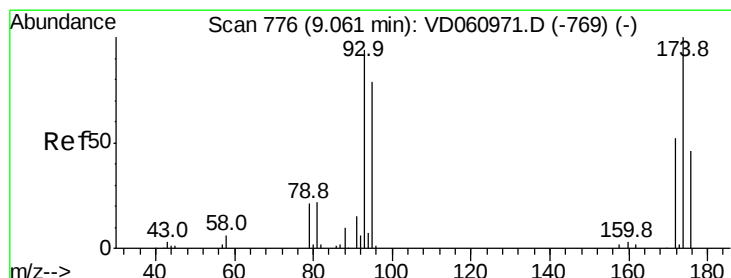
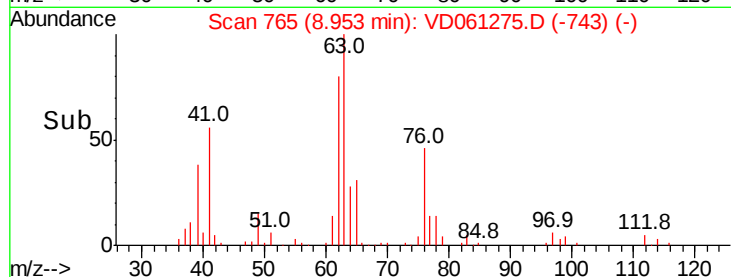
150000

100000

50000

0

Time--> 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 53.255 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.02 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

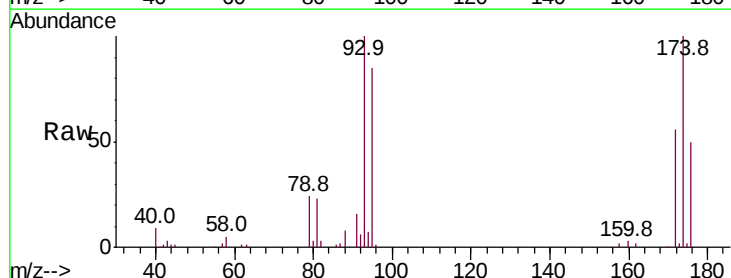
Tgt Ion: 93 Resp: 216037

Ion Ratio Lower Upper

93 100

95 85.1 67.4 101.0

174 100.2 85.4 128.0



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

120000

100000

80000

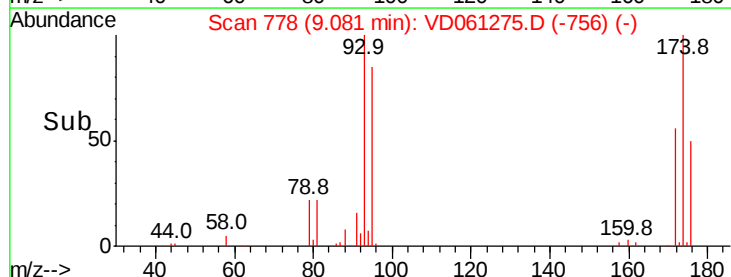
60000

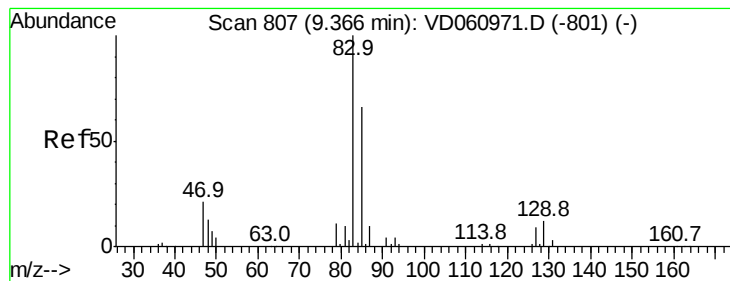
40000

20000

0

Time--> 9.00 9.10 9.20 9.30





#47

Bromodichloromethane

Concen: 55.627 ug/l

RT: 9.40 min Scan# 810

Delta R.T. 0.03 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

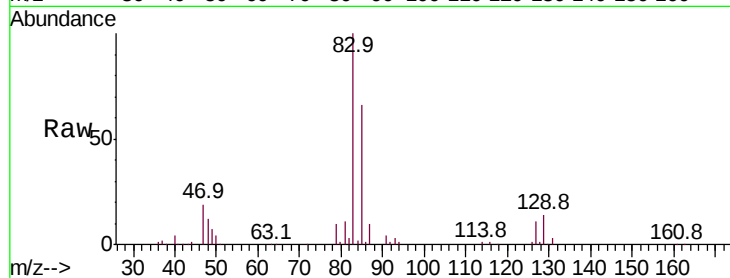
Tot Ion: 83 Resp: 509227

Ion Ratio Lower Upper

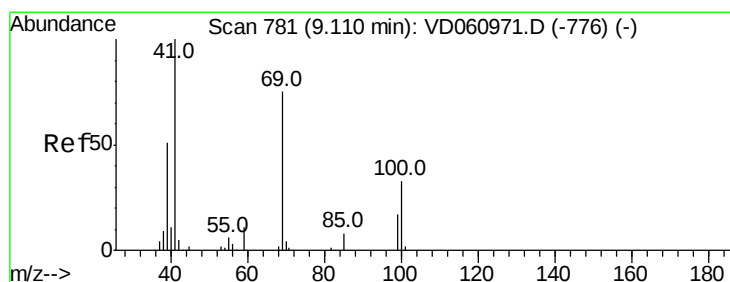
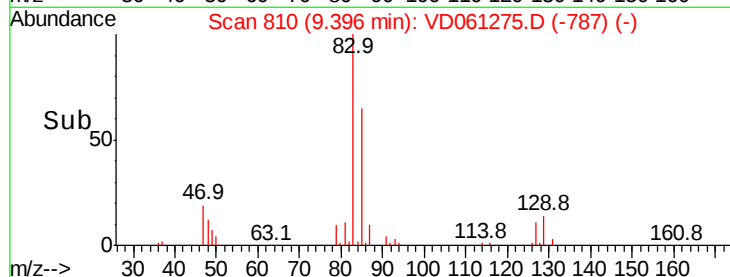
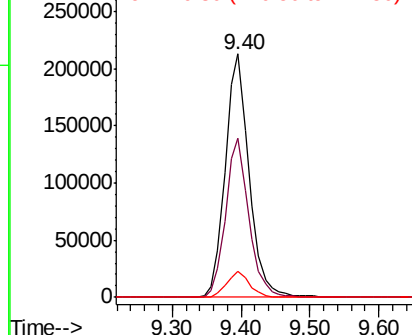
83 100

85 65.6 52.5 78.7

127 10.6 7.5 11.3



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: 54.717 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.03 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

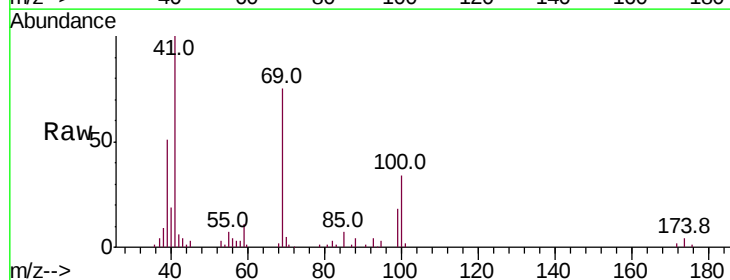
Tgt Ion: 41 Resp: 195061

Ion Ratio Lower Upper

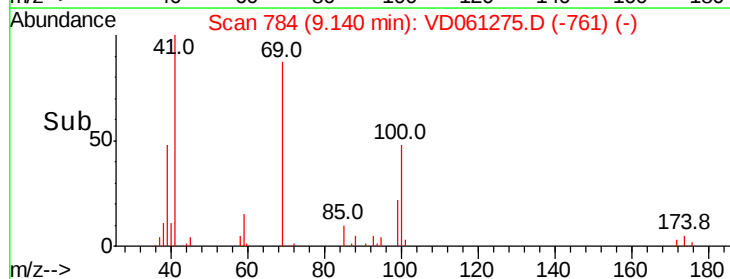
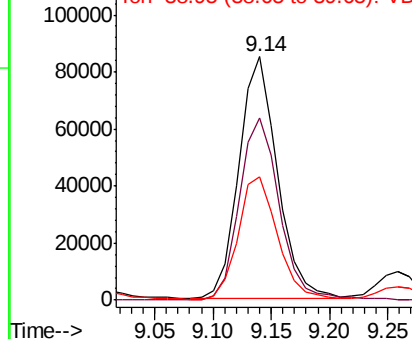
41 100

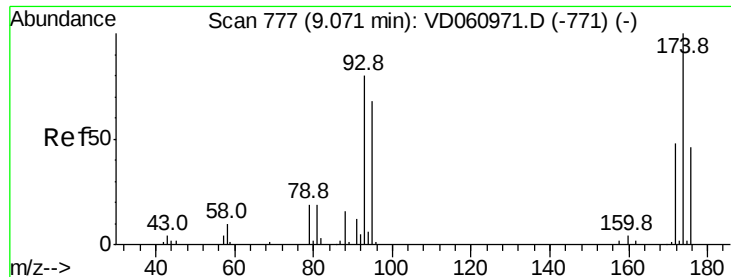
69 74.8 59.9 89.9

39 50.9 40.9 61.3



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

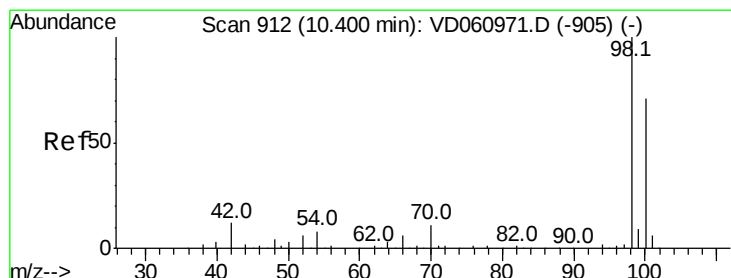
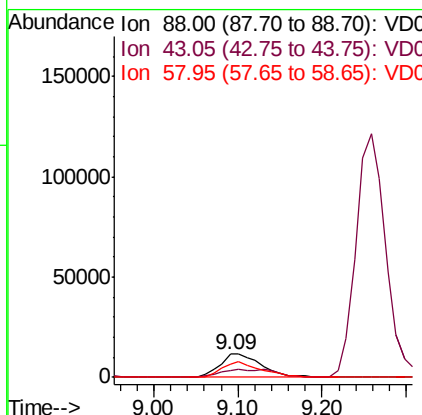
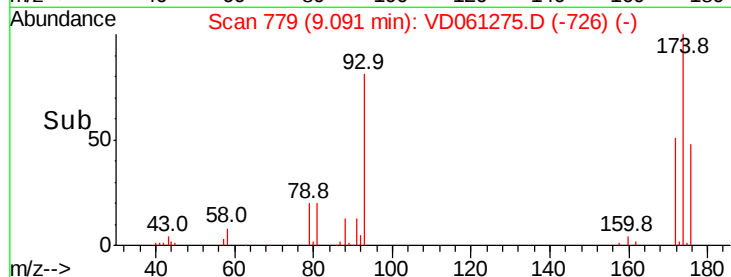
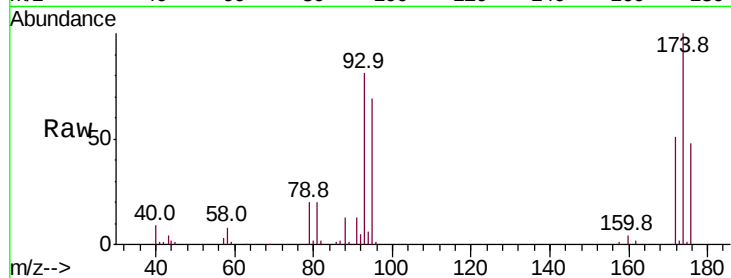




#49
1,4-Dioxane
Concen: 1093.483 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.02 min
Lab File: VD061275.D
Acq: 23 Mar 2019 12:11

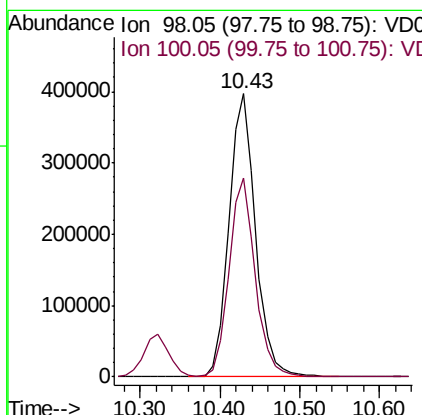
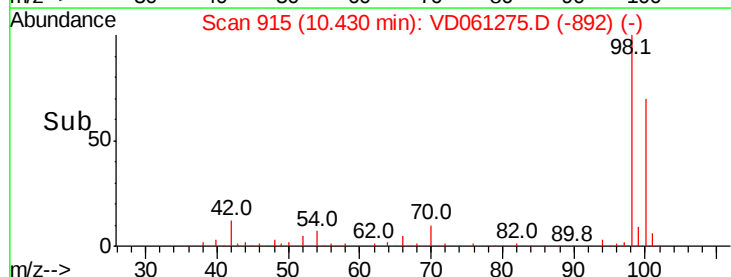
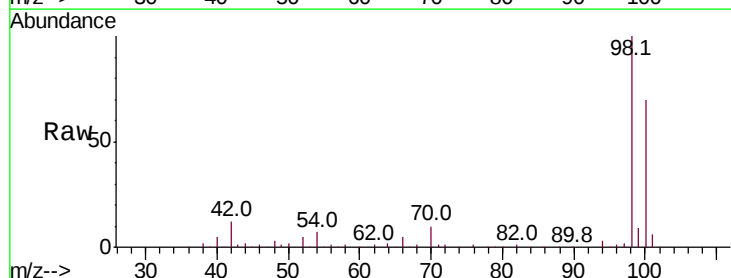
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

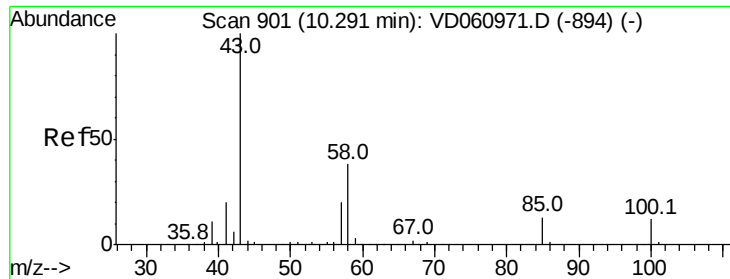
Tot Ion: 88 Resp: 39418
Ion Ratio Lower Upper
88 100
43 26.6 21.0 31.6
58 57.3 48.6 72.8



#50
Toluene-d8
Concen: 1093.483 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD061275.D
Acq: 23 Mar 2019 12:11

Tgt Ion: 98 Resp: 925388
Ion Ratio Lower Upper
98 100
100 70.5 57.4 86.2





#51

4-Methyl-2-Pentanone

Concen: 260.213 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.03 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

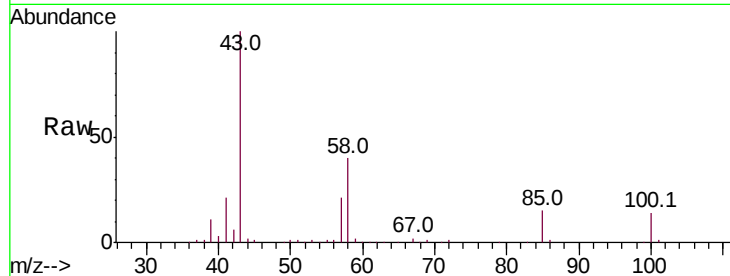
VSTDCCC050

Tot Ion: 43 Resp: 1009352

Ion Ratio Lower Upper

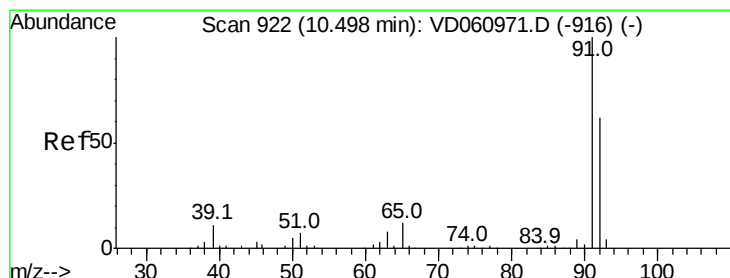
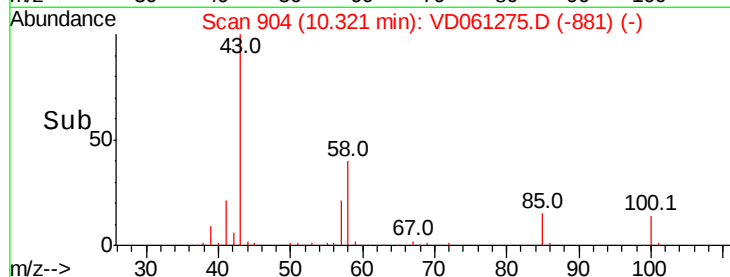
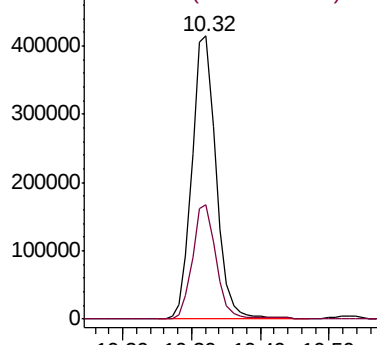
43 100

58 40.4 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 51.018 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.03 min

Lab File: VD061275.D

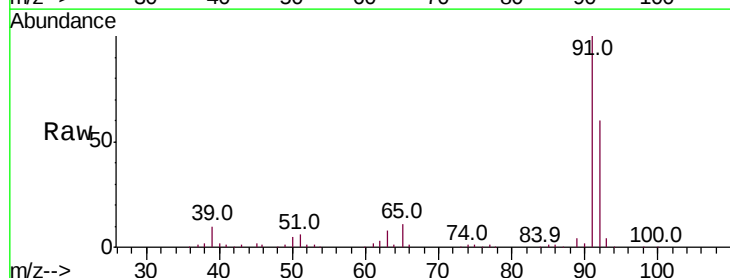
Acq: 23 Mar 2019 12:11

Tgt Ion: 92 Resp: 772256

Ion Ratio Lower Upper

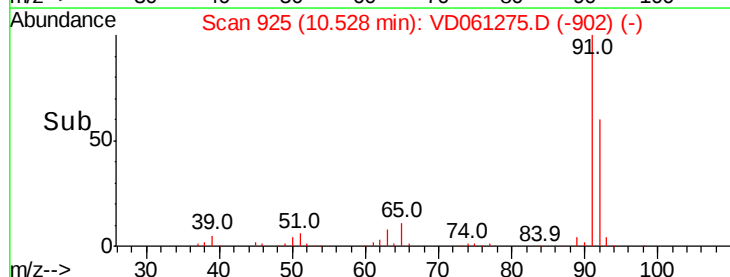
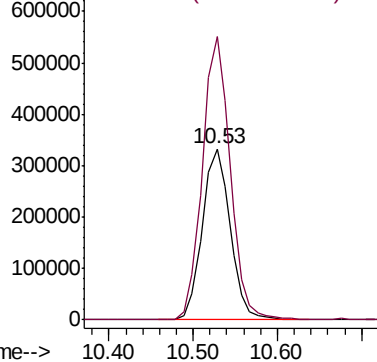
92 100

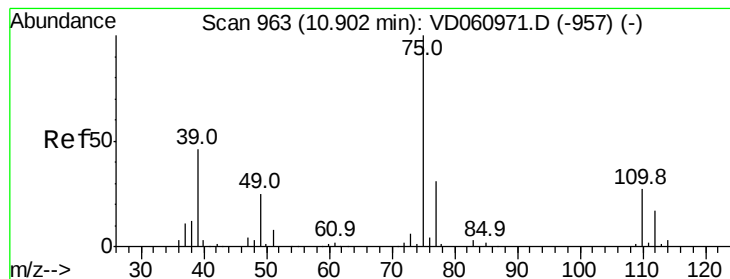
91 165.7 129.8 194.8



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: 56.861 ug/l

RT: 10.93 min Scan# 966

Delta R.T. 0.03 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

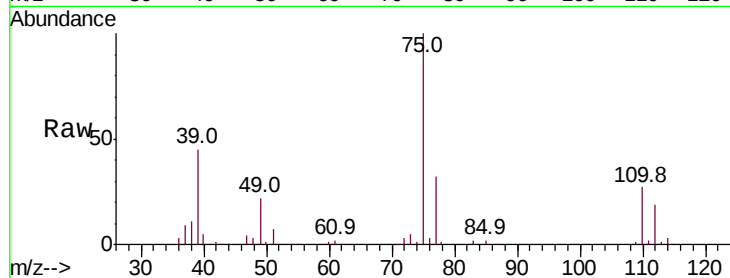
VSTDCCC050

Tot Ion: 75 Resp: 475957

Ion Ratio Lower Upper

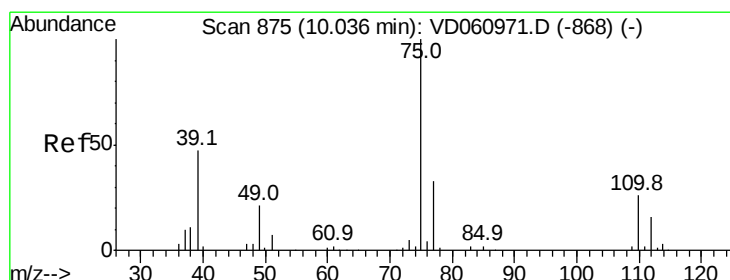
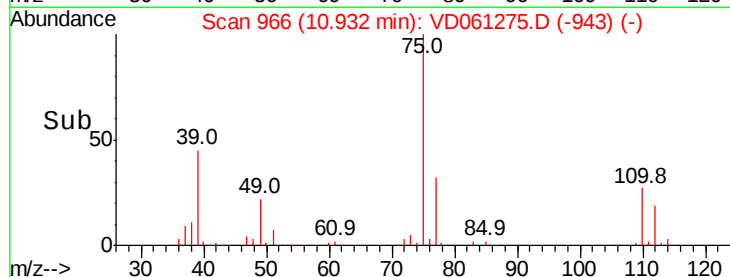
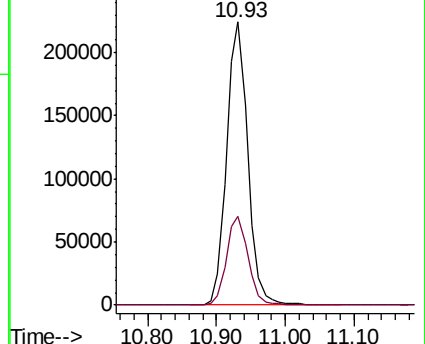
75 100

77 31.5 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 55.847 ug/l

RT: 10.06 min Scan# 877

Delta R.T. 0.02 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

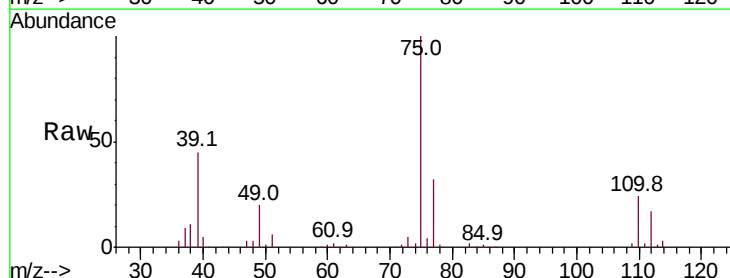
Tgt Ion: 75 Resp: 561674

Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.4

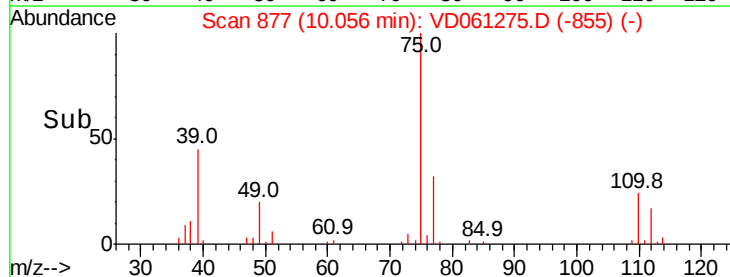
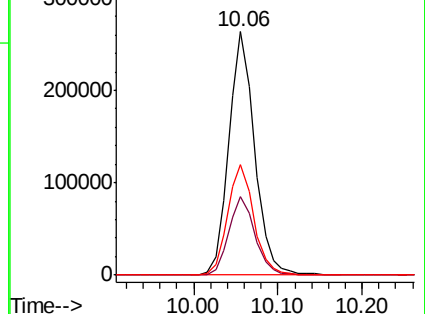
39 45.4 37.8 56.8

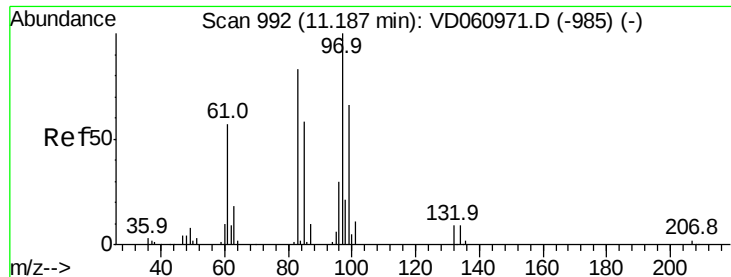


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

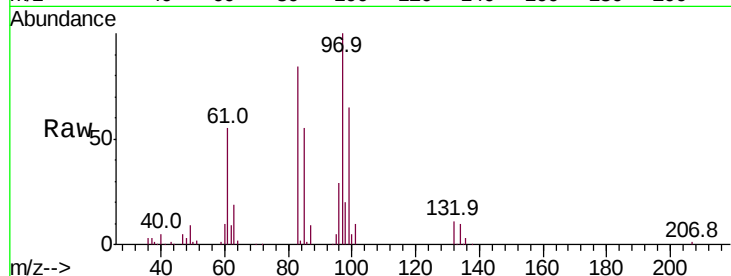




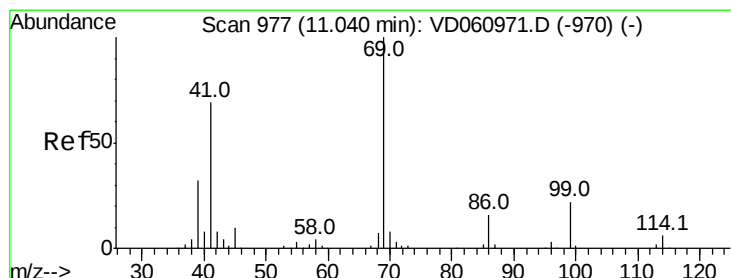
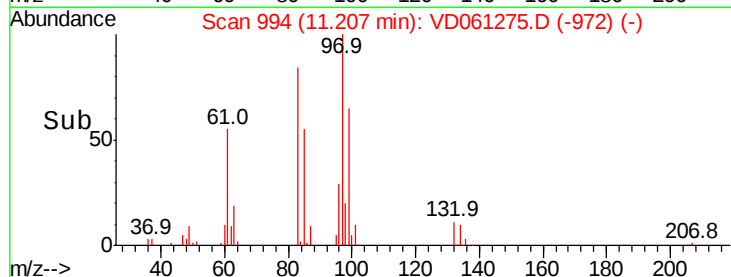
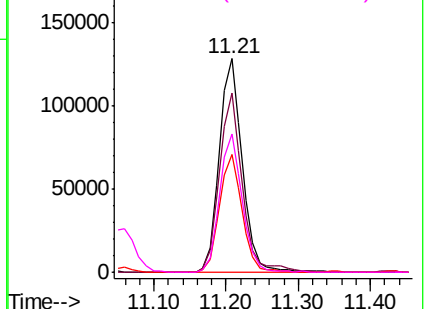
#55
 1,1,2-Trichloroethane
 Concen: 55.932 ug/l
 RT: 11.21 min Scan# 994
 Delta R.T. 0.02 min
 Lab File: VD061275.D
 Acq: 23 Mar 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 281948
 Ion Ratio Lower Upper
 97 100
 83 84.2 66.6 100.0
 85 55.2 46.4 69.6
 99 64.7 52.4 78.6

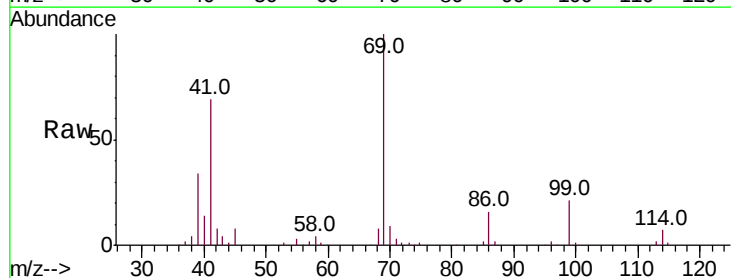


Abundance Ion 96.85 (96.55 to 97.55): VDC
 200000
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

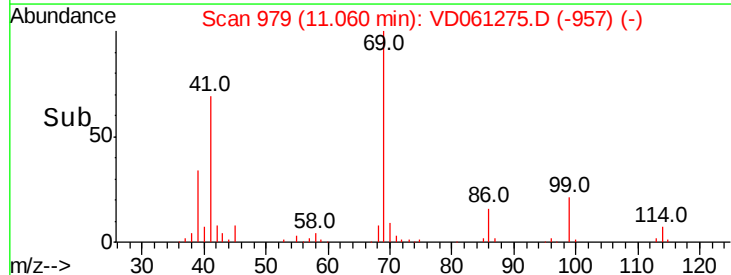
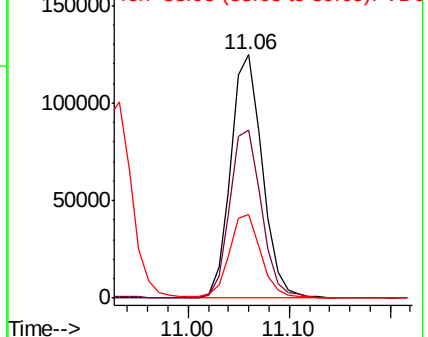


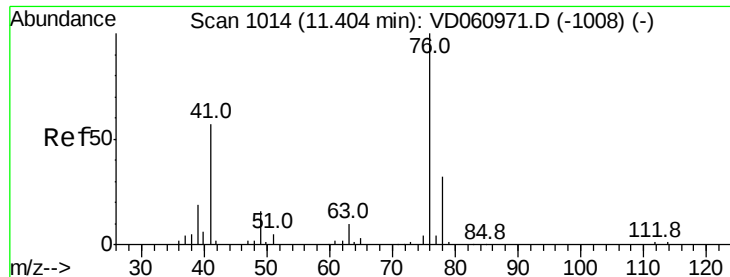
#56
 Ethyl methacrylate
 Concen: 51.513 ug/l
 RT: 11.06 min Scan# 979
 Delta R.T. 0.02 min
 Lab File: VD061275.D
 Acq: 23 Mar 2019 12:11

Tgt Ion: 69 Resp: 271803
 Ion Ratio Lower Upper
 69 100
 41 68.9 55.5 83.3
 39 34.3 26.2 39.2



Abundance Ion 69.00 (68.70 to 69.70): VDC
 150000
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 49.338 ug/l

RT: 11.42 min Scan# 1016

Delta R.T. 0.02 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

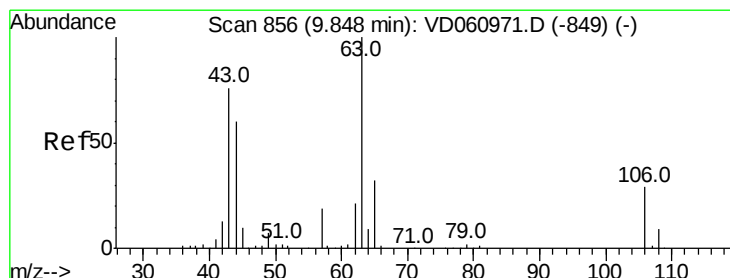
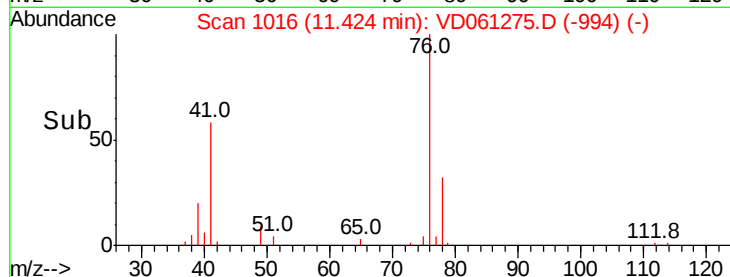
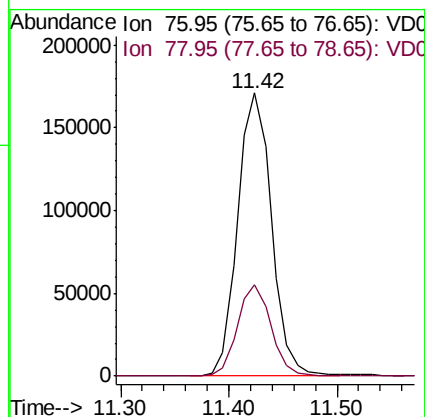
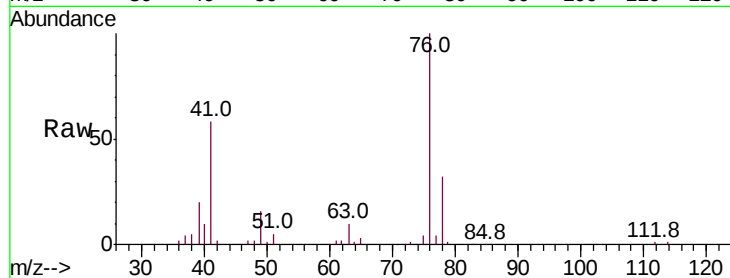
VSTDCCC050

Tot Ion: 76 Resp: 371666

Ion Ratio Lower Upper

76 100

78 32.4 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 240.203 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.02 min

Lab File: VD061275.D

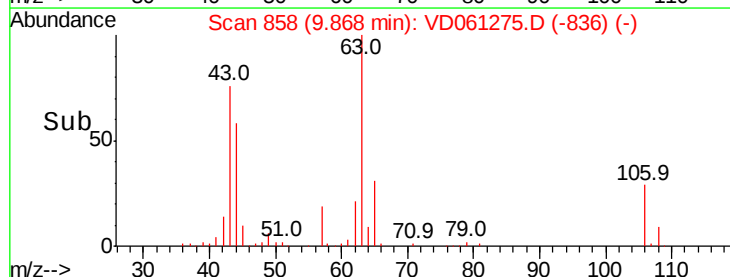
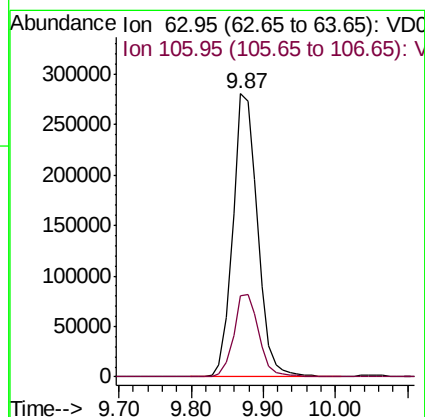
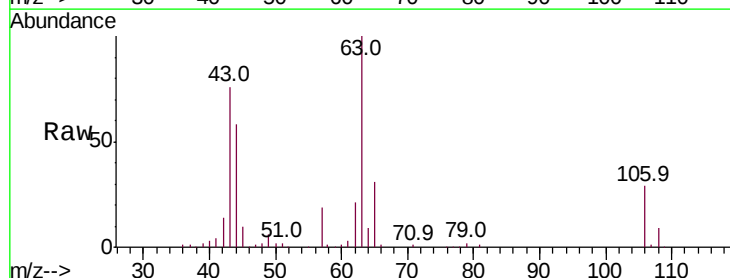
Acq: 23 Mar 2019 12:11

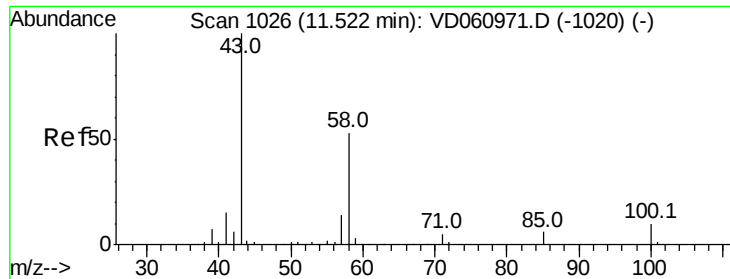
Tgt Ion: 63 Resp: 670867

Ion Ratio Lower Upper

63 100

106 28.6 22.8 34.2





#59

2-Hexanone

Concen: 260.478 ug/l

RT: 11.54 min Scan# 1028

Delta R.T. 0.02 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

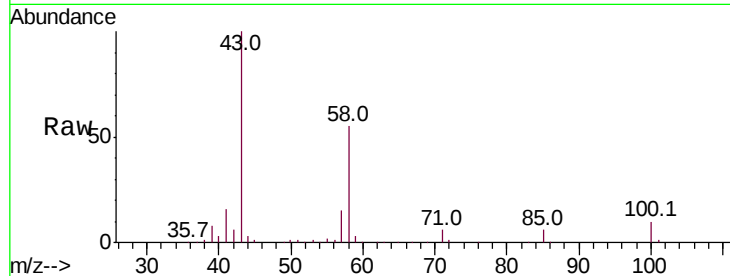
VSTDCCC050

Tot Ion: 43 Resp: 739086

Ion Ratio Lower Upper

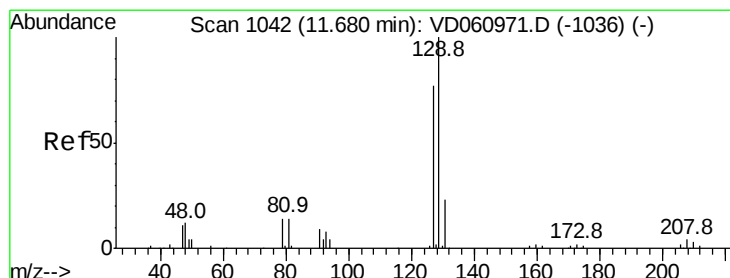
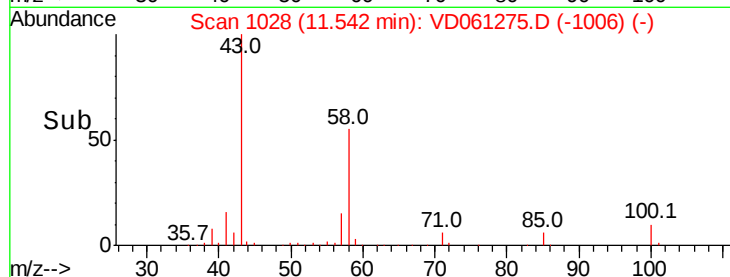
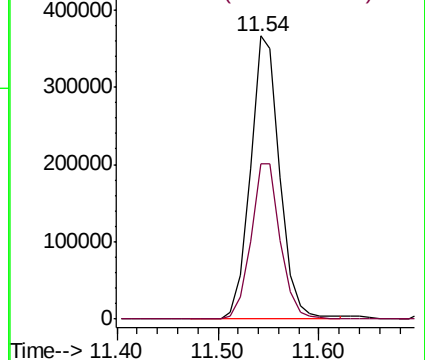
43 100

58 54.8 26.5 79.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 56.361 ug/l

RT: 11.70 min Scan# 1044

Delta R.T. 0.02 min

Lab File: VD061275.D

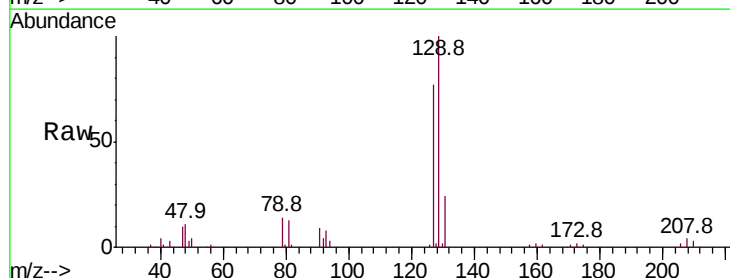
Acq: 23 Mar 2019 12:11

Tgt Ion: 129 Resp: 418129

Ion Ratio Lower Upper

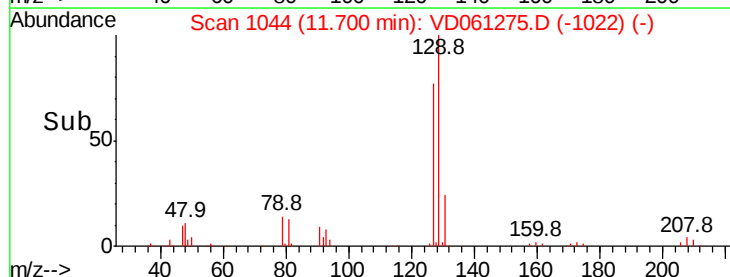
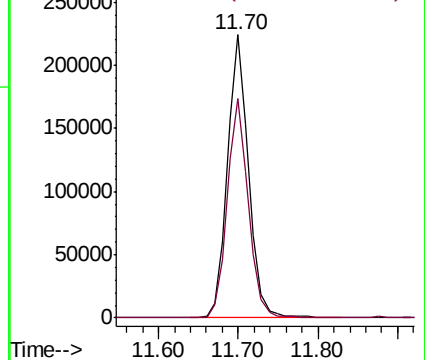
129 100

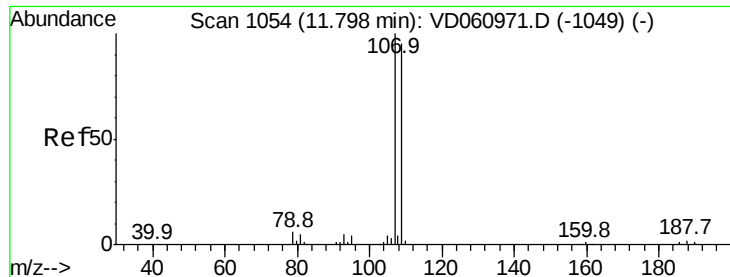
127 77.4 38.3 114.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 52.910 ug/l

RT: 11.82 min Scan# 1056

Delta R.T. 0.02 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

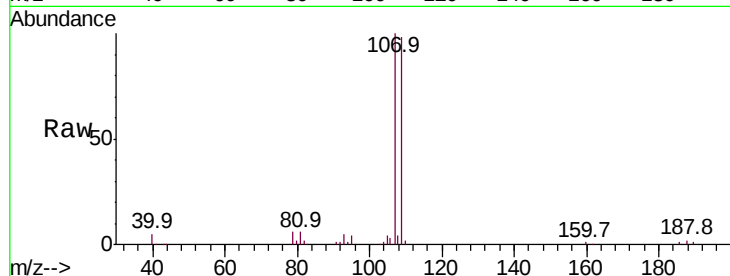
VSTDCCC050

Tot Ion:107 Resp: 310266

Ion Ratio Lower Upper

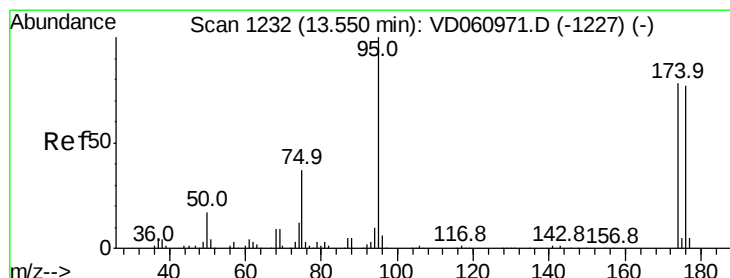
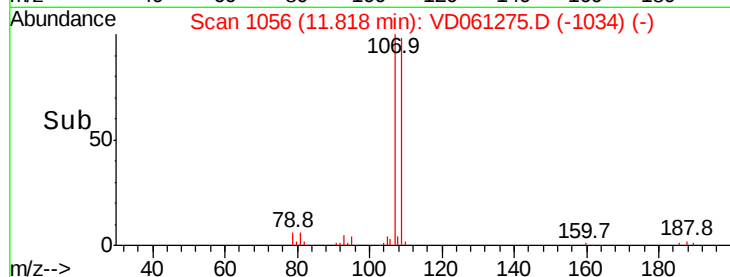
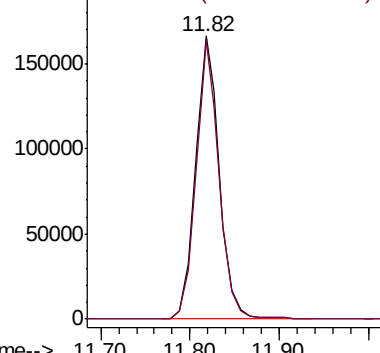
107 100

109 98.1 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 52.910 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

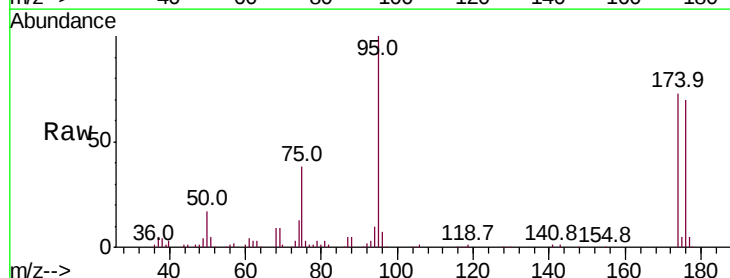
Tgt Ion: 95 Resp: 356601

Ion Ratio Lower Upper

95 100

174 72.8 0.0 155.6

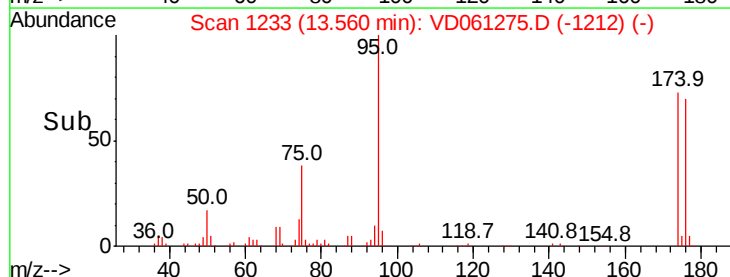
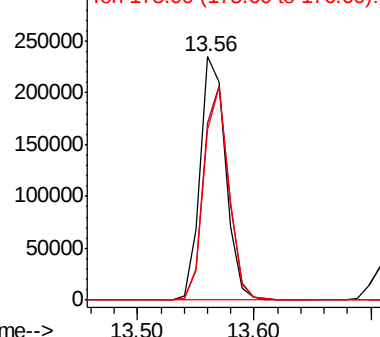
176 70.1 0.0 153.8

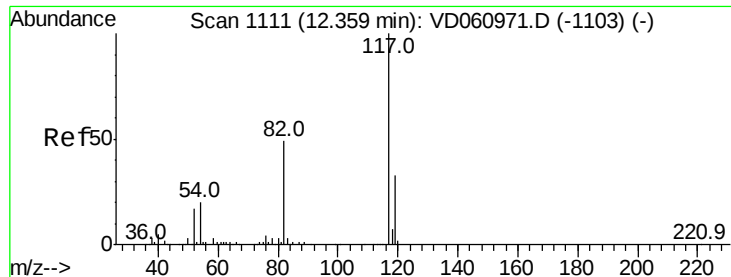


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

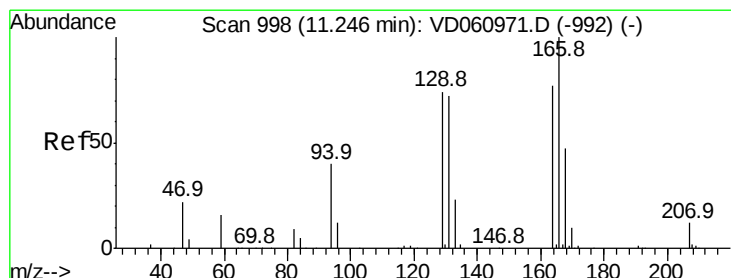
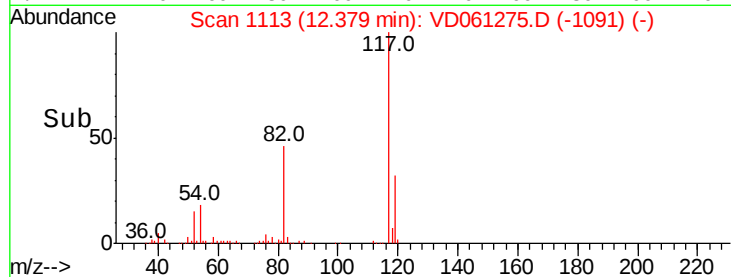
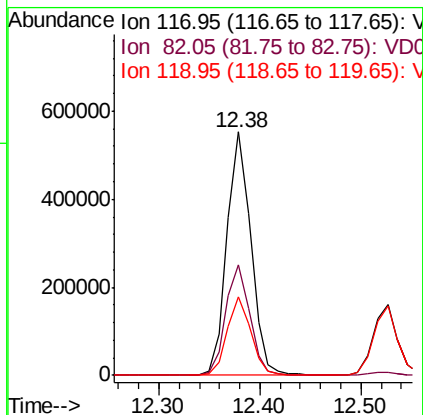
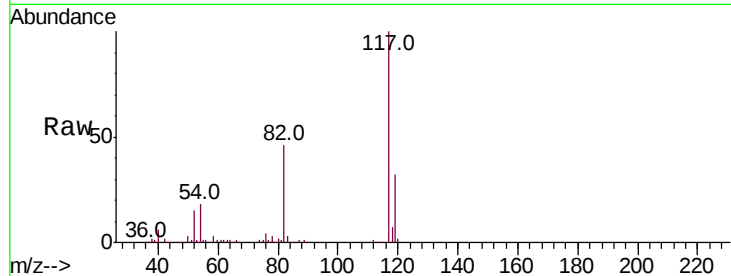




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061275.D
Acq: 23 Mar 2019 12:11

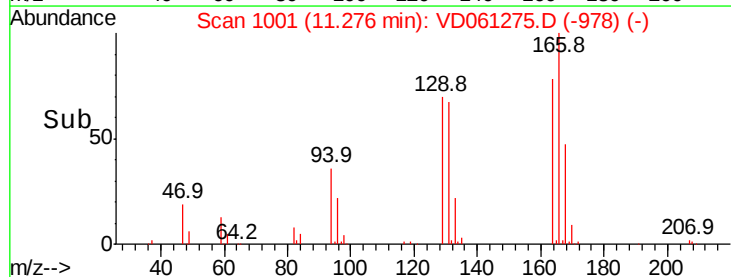
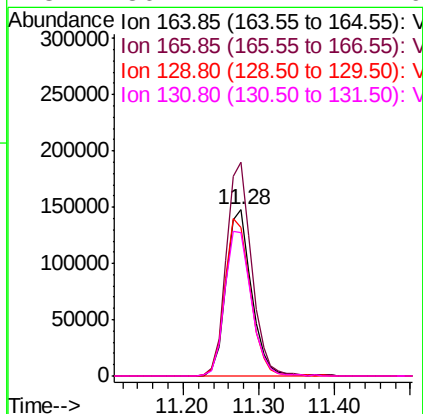
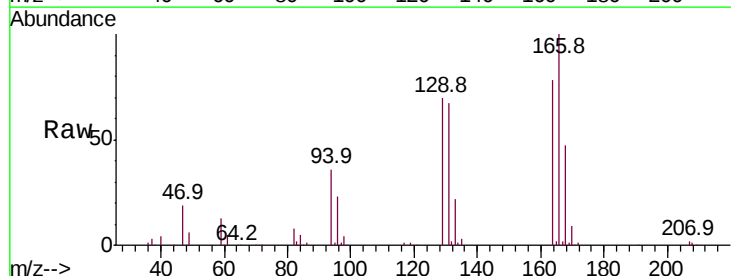
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

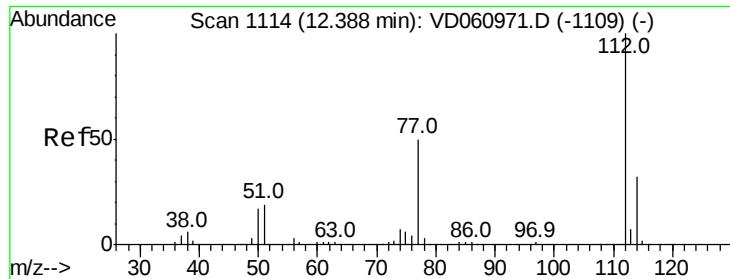
Tot Ion:117 Resp: 913599
Ion Ratio Lower Upper
117 100
82 45.5 38.9 58.3
119 32.2 26.6 39.8



#64
Tetrachloroethene
Concen: 55.093 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.03 min
Lab File: VD061275.D
Acq: 23 Mar 2019 12:11

Tgt Ion:164 Resp: 339770
Ion Ratio Lower Upper
164 100
166 128.6 103.4 155.0
129 89.6 76.9 115.3
131 86.7 74.4 111.6

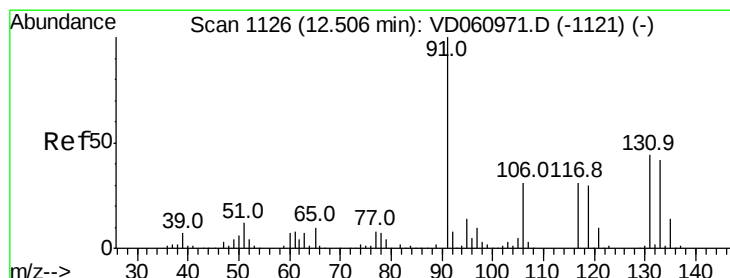
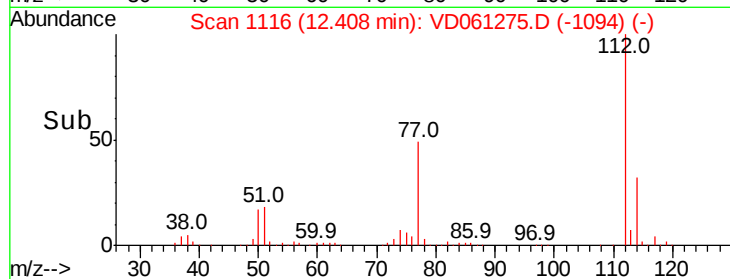
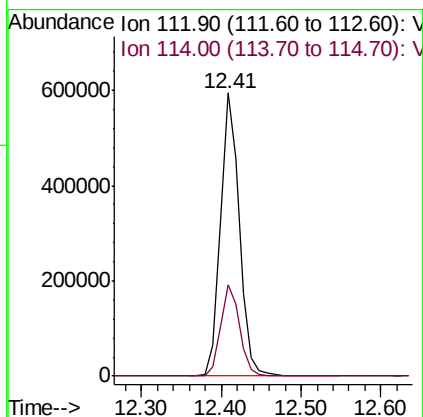
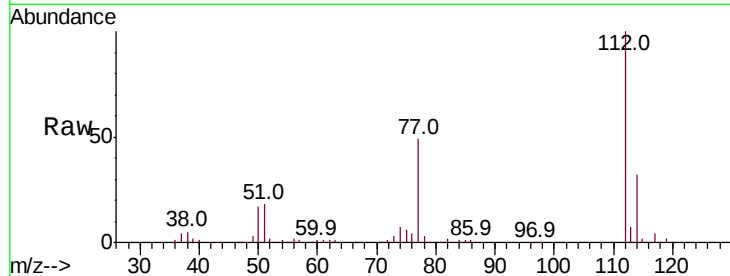




#65
Chlorobenzene
Concen: 55.531 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD061275.D
Acq: 23 Mar 2019 12:11

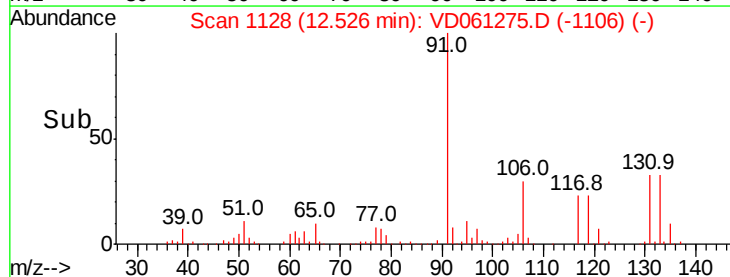
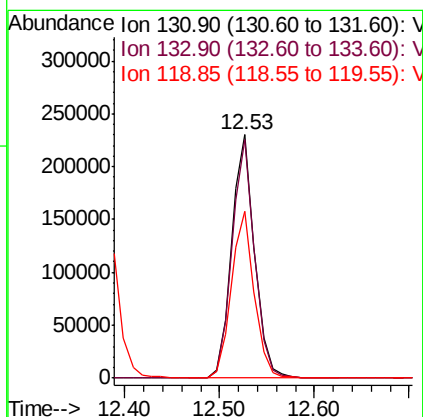
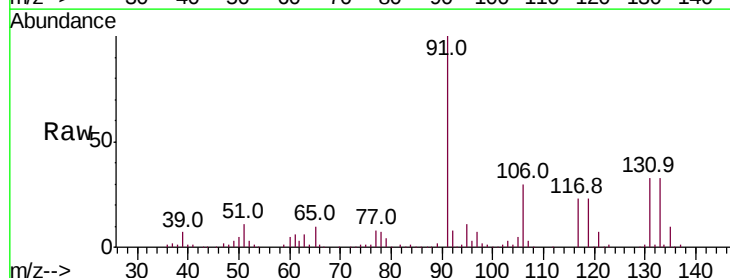
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

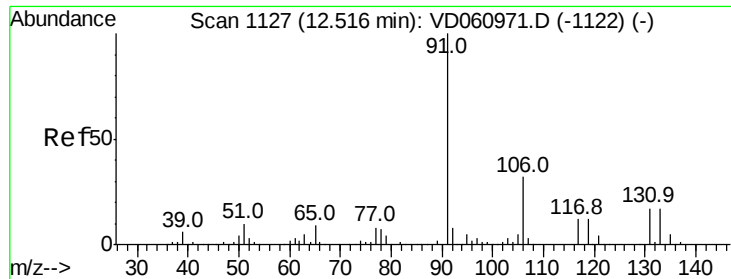
Tot Ion:112 Resp: 994580
Ion Ratio Lower Upper
112 100
114 32.5 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 60.146 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD061275.D
Acq: 23 Mar 2019 12:11

Tgt Ion:131 Resp: 383988
Ion Ratio Lower Upper
131 100
133 97.8 47.8 143.3
119 68.6 34.3 102.9

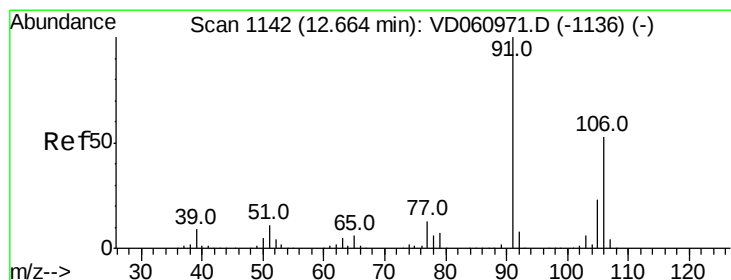
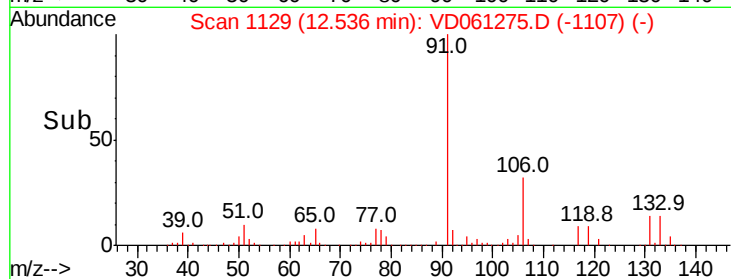
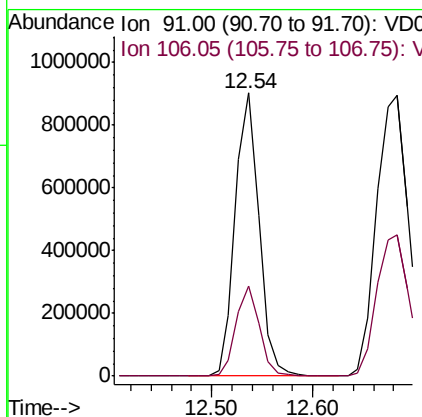
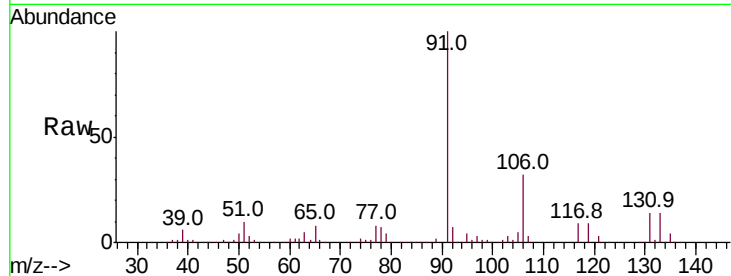




#67
Ethyl Benzene
Concen: 55.538 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD061275.D
Acq: 23 Mar 2019 12:11

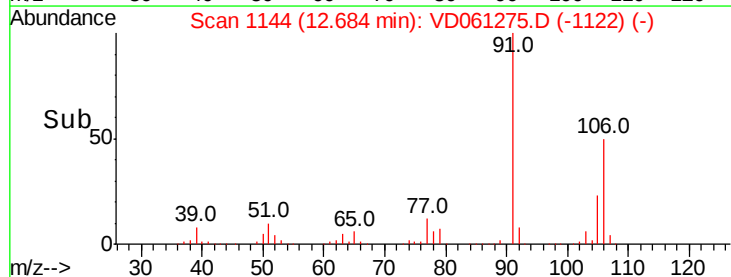
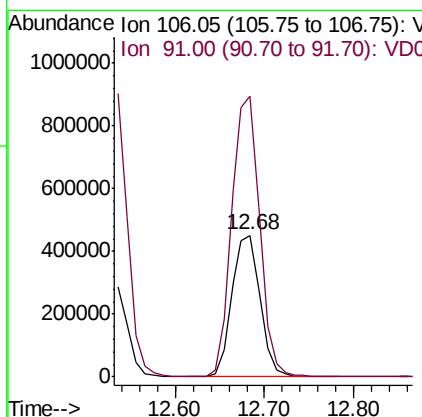
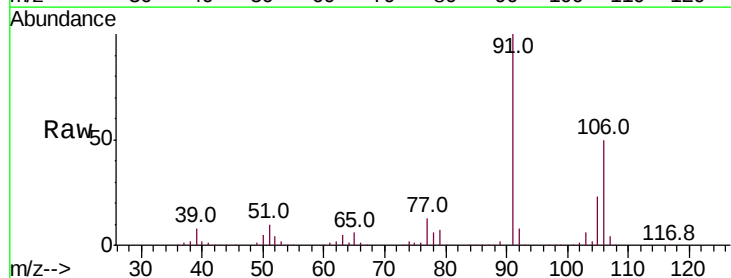
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

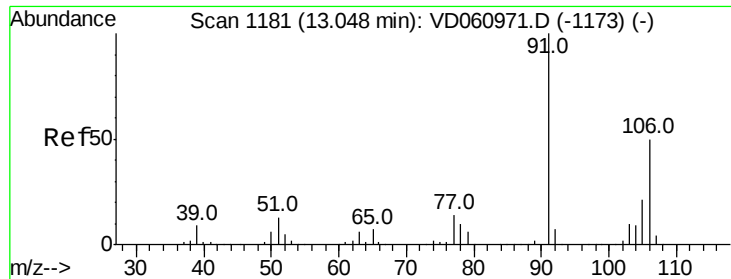
Tot Ion: 91 Resp: 1480864
Ion Ratio Lower Upper
91 100
106 31.9 25.7 38.5



#68
m/p-Xylenes
Concen: 95.046 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD061275.D
Acq: 23 Mar 2019 12:11

Tgt Ion: 106 Resp: 994700
Ion Ratio Lower Upper
106 100
91 198.9 152.0 228.0

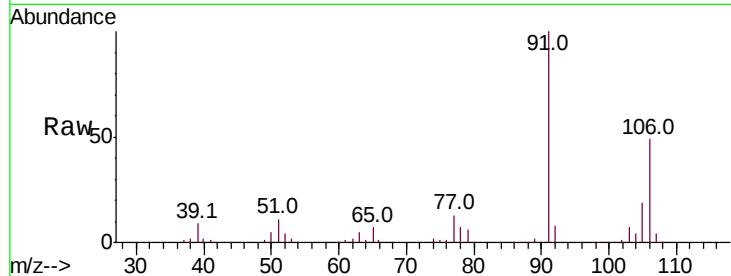




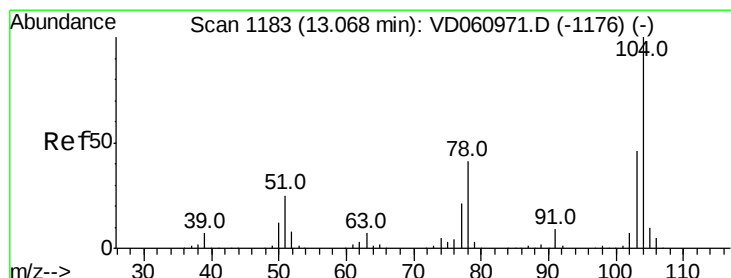
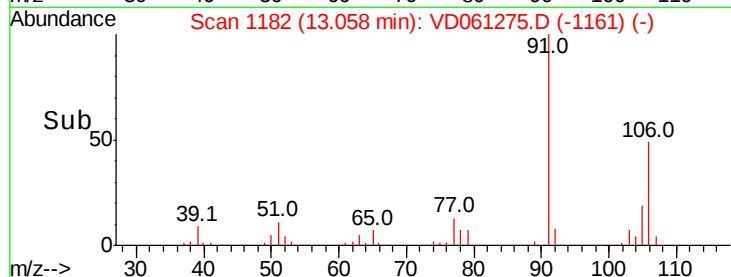
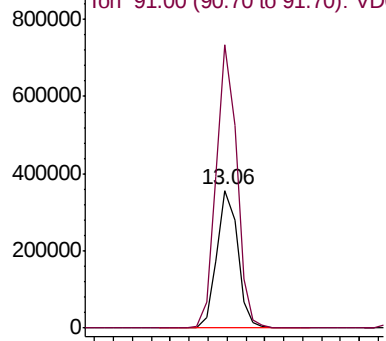
#69
o-Xylene
Concen: 53.437 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD061275.D
Acq: 23 Mar 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 549722
Ion Ratio Lower Upper
106 100
91 205.4 99.8 299.3

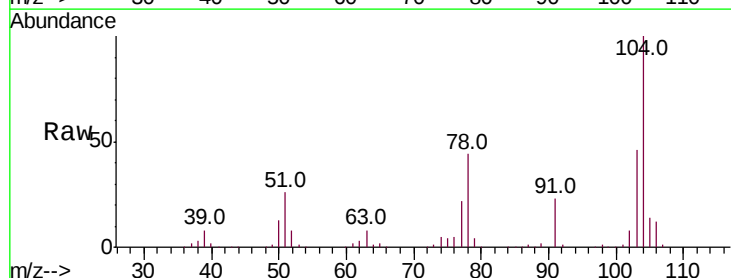


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

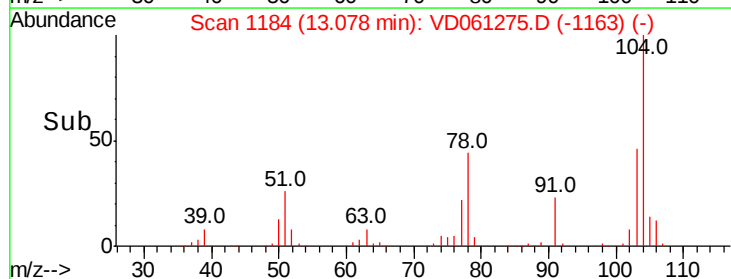
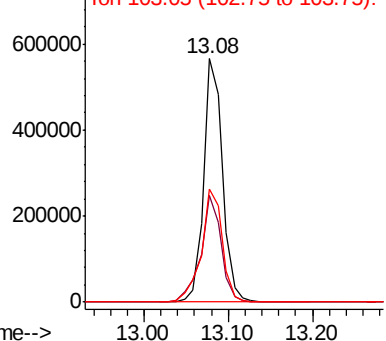


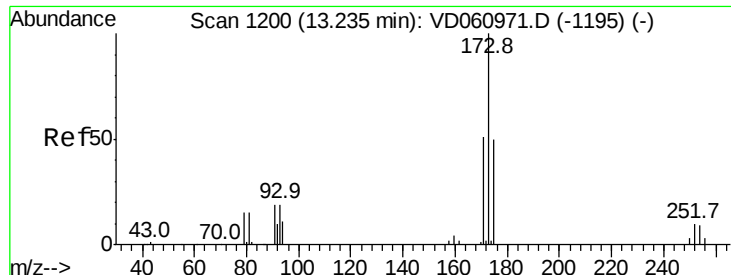
#70
Styrene
Concen: 51.975 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061275.D
Acq: 23 Mar 2019 12:11

Tgt Ion:104 Resp: 873075
Ion Ratio Lower Upper
104 100
78 43.6 33.0 49.4
103 46.5 37.1 55.7



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: 59.012 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

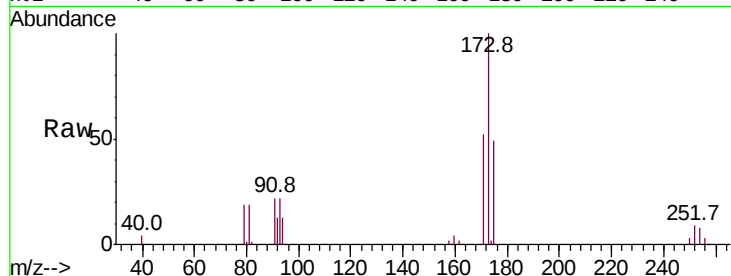
Tot Ion:173 Resp: 243041

Ion Ratio Lower Upper

173 100

175 49.1 24.9 74.8

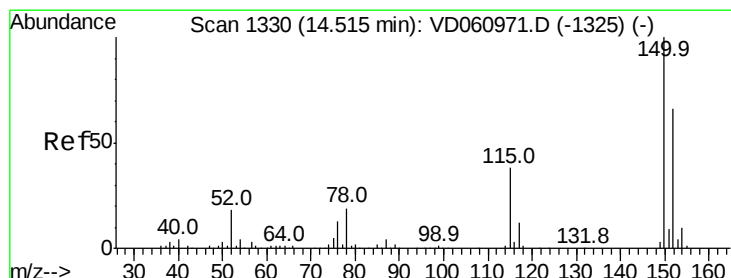
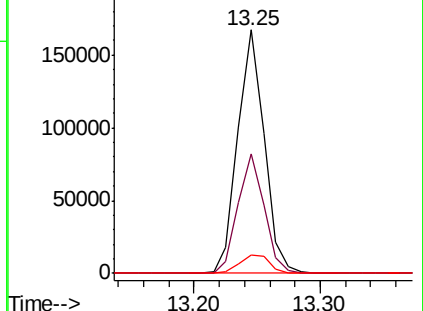
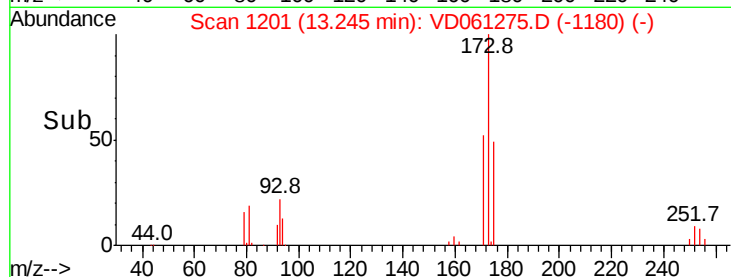
254 7.6 7.3 10.9



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: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

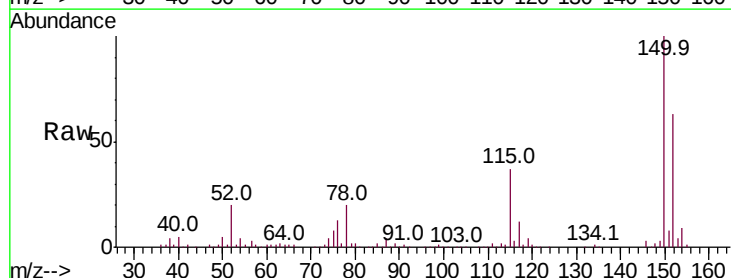
Tgt Ion:152 Resp: 402224

Ion Ratio Lower Upper

152 100

115 58.0 28.6 85.9

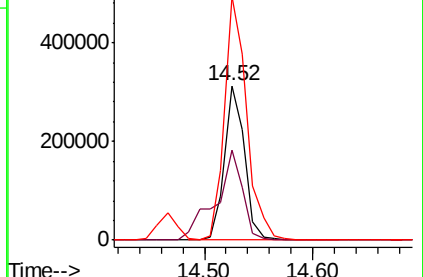
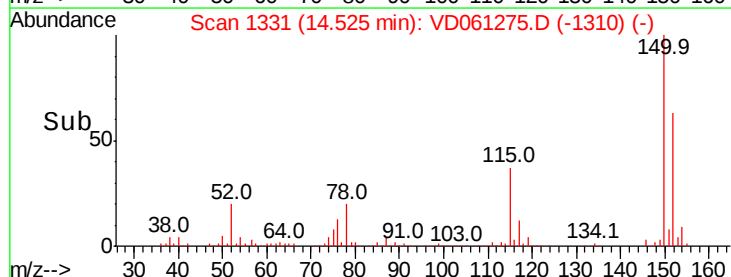
150 157.6 0.0 310.6

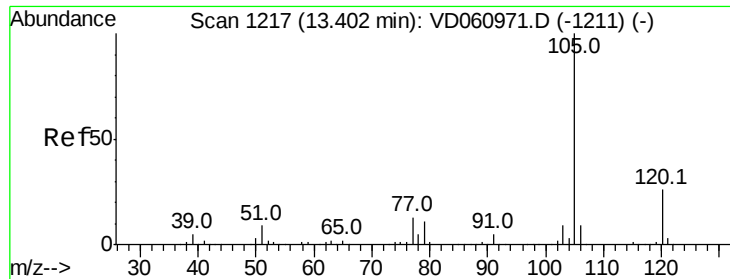


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.347 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

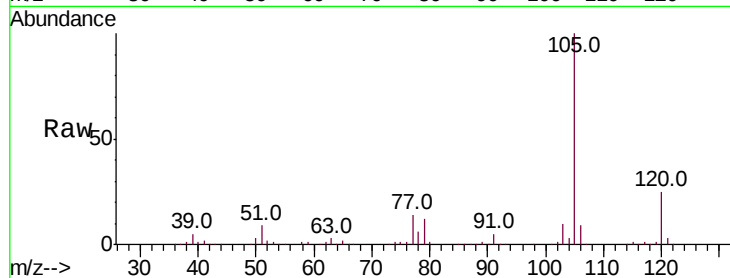
VSTDCCC050

Tot Ion:105 Resp: 1459421

Ion Ratio Lower Upper

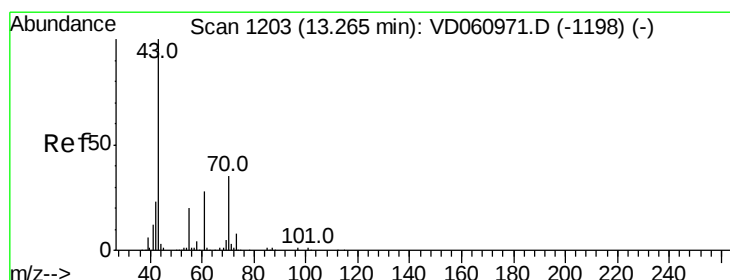
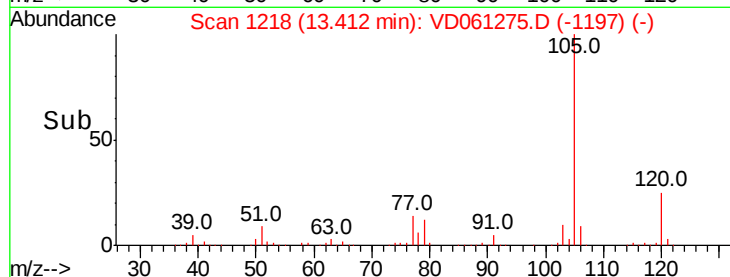
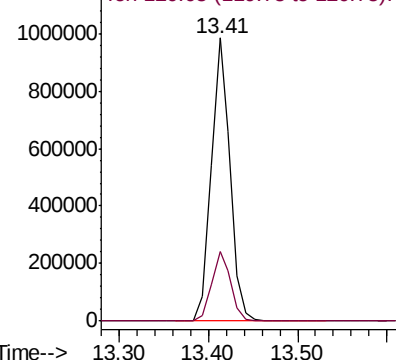
105 100

120 24.8 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 47.727 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

Tgt Ion: 43 Resp: 389553

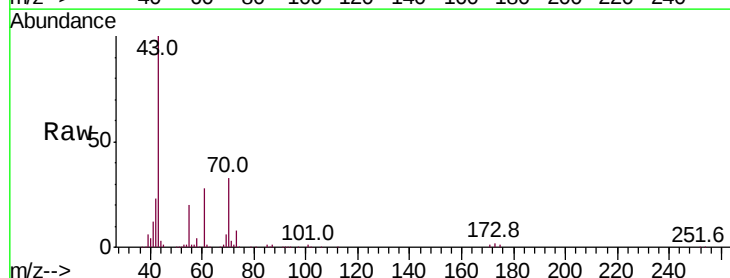
Ion Ratio Lower Upper

43 100

70 32.9 27.7 41.5

55 19.8 16.2 24.2

61 28.1 22.3 33.5

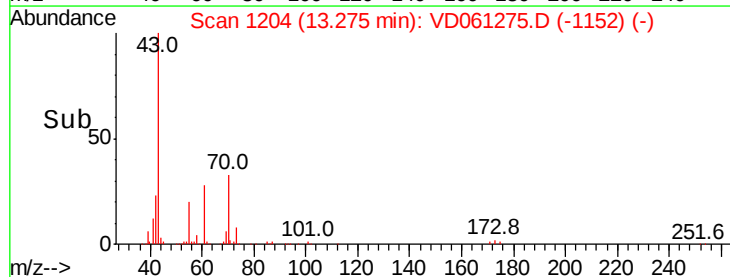
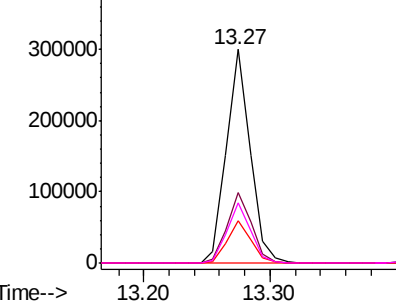


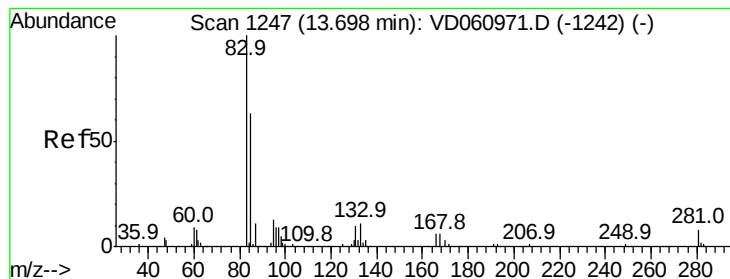
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 54.615 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

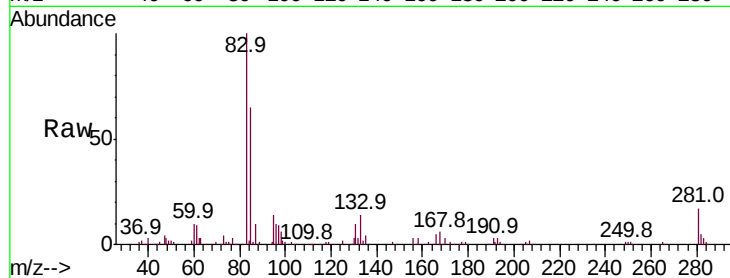
Tot Ion: 83 Resp: 308880

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.1	15.3
85	64.6	31.5	94.5

83 100

131 10.0 5.1 15.3

85 64.6 31.5 94.5



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

13.71

200000

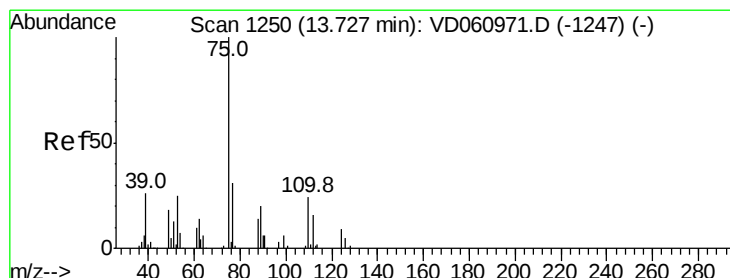
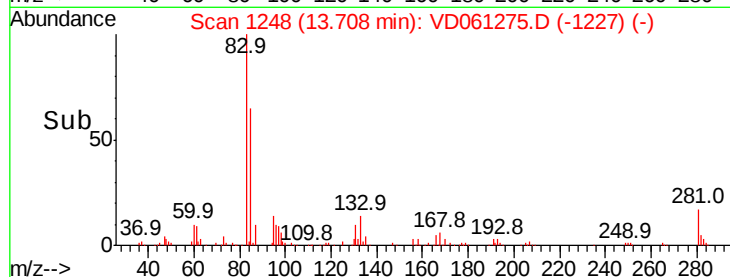
150000

100000

50000

0

Time--> 13.60 13.70 13.80



#76

1,2,3-Trichloropropane

Concen: 54.430 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD061275.D

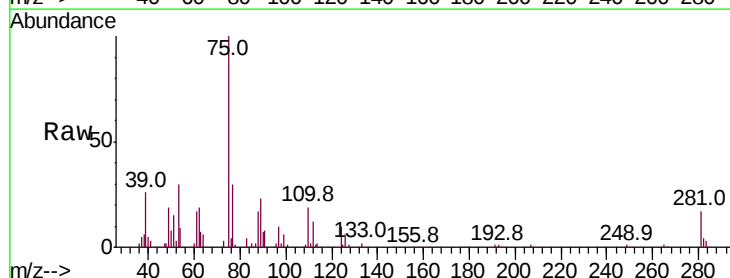
Acq: 23 Mar 2019 12:11

Tgt Ion: 75 Resp: 314971

Ion	Ratio	Lower	Upper
75	100		
77	30.4	16.6	49.7

75 100

77 30.4 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

400000

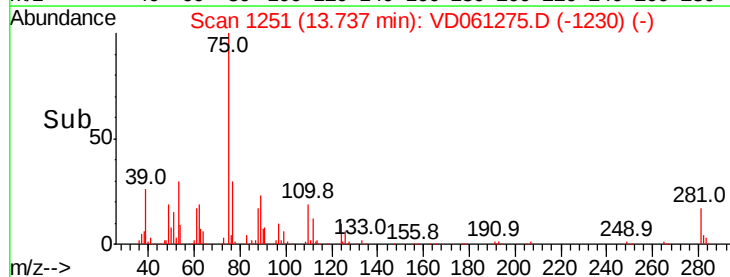
300000

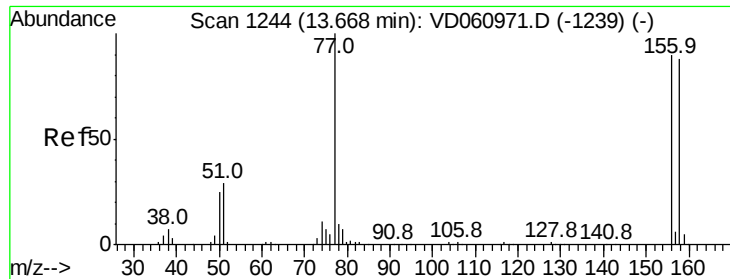
200000

100000

0

Time--> 13.70 13.75 13.80 13.85

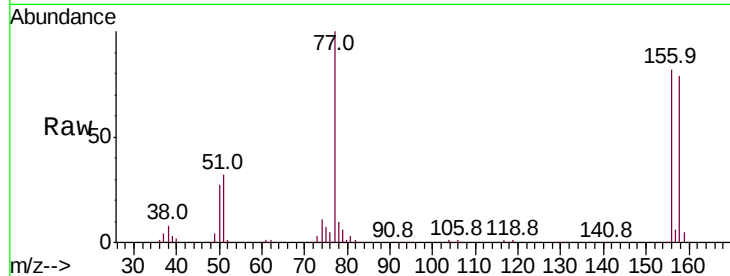




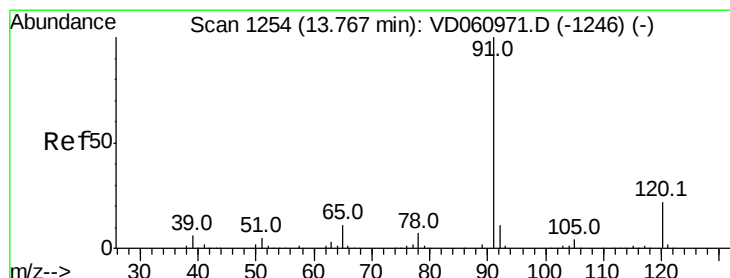
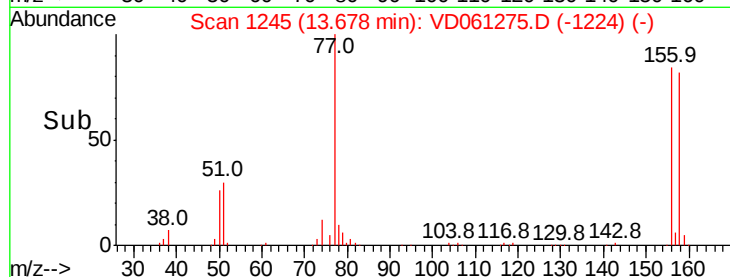
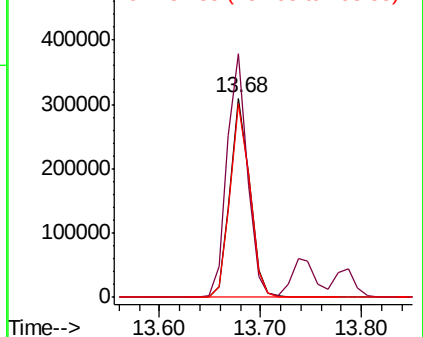
#77
Bromobenzene
Concen: 56.778 ug/l
RT: 13.68 min Scan# 1245
Delta R.T. 0.01 min
Lab File: VD061275.D
Acq: 23 Mar 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:156 Resp: 420139
Ion Ratio Lower Upper
156 100
77 122.1 55.5 166.7
158 97.0 49.0 147.0

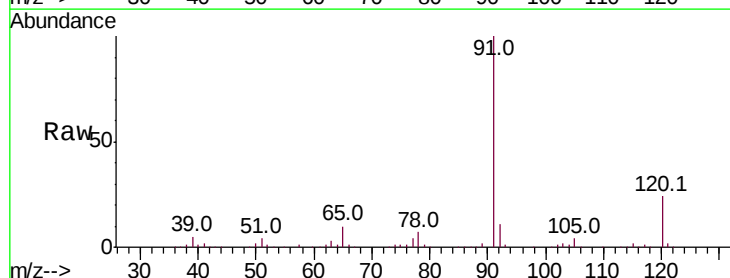


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

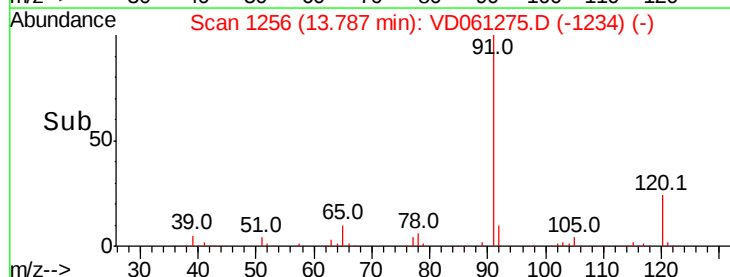
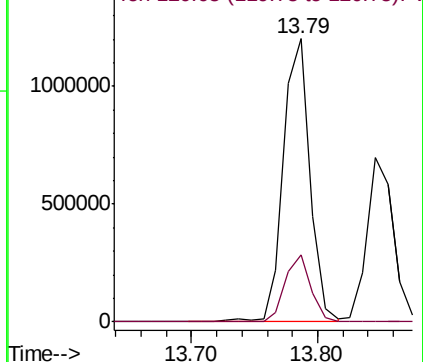


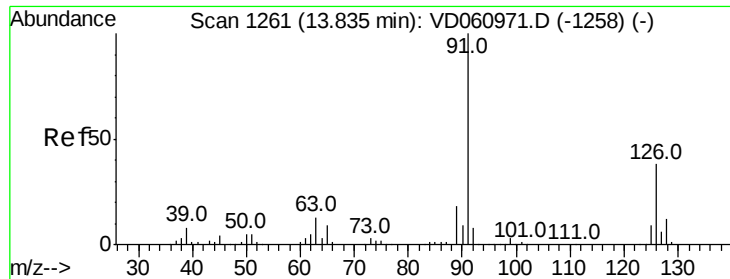
#78
n-propylbenzene
Concen: 51.993 ug/l
RT: 13.79 min Scan# 1256
Delta R.T. 0.02 min
Lab File: VD061275.D
Acq: 23 Mar 2019 12:11

Tgt Ion: 91 Resp: 1764405
Ion Ratio Lower Upper
91 100
120 23.7 10.8 32.3



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

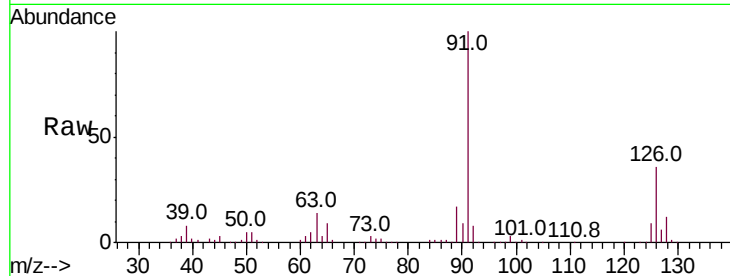




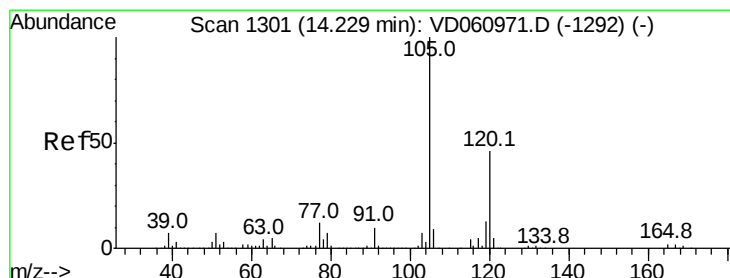
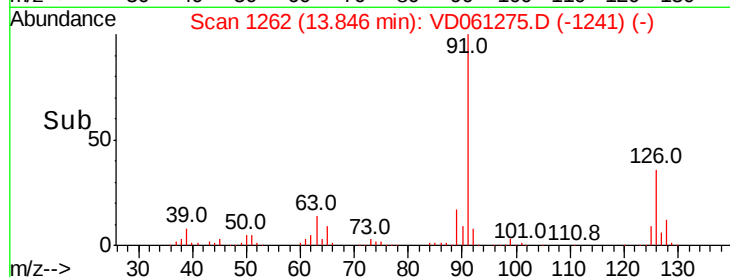
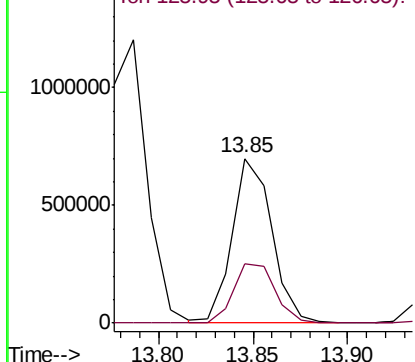
#79
2-Chlorotoluene
Concen: 53.448 ug/l
RT: 13.85 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VD061275.D
Acq: 23 Mar 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 998554
Ion Ratio Lower Upper
91 100
126 36.0 18.6 55.6

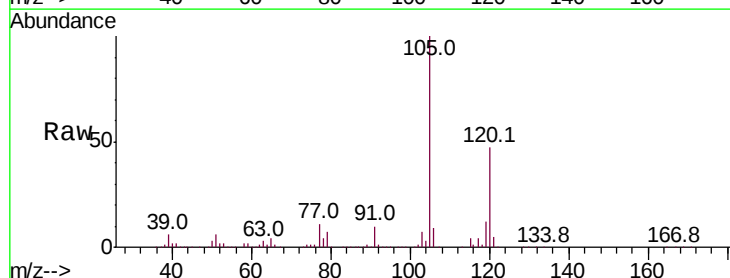


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

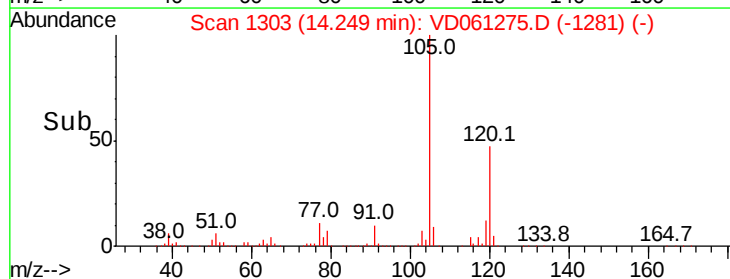
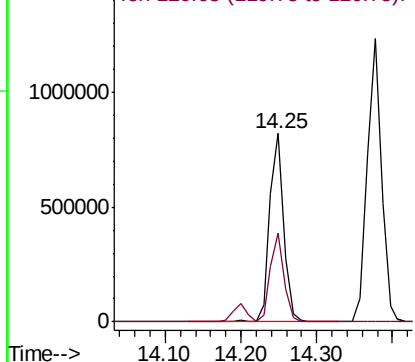


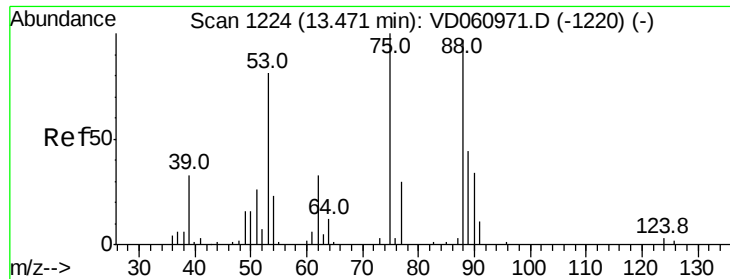
#80
1,3,5-Trimethylbenzene
Concen: 48.243 ug/l
RT: 14.25 min Scan# 1303
Delta R.T. 0.02 min
Lab File: VD061275.D
Acq: 23 Mar 2019 12:11

Tgt Ion:105 Resp: 1061652
Ion Ratio Lower Upper
105 100
120 47.4 22.9 68.5



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





#81

trans-1,4-Dichloro-2-butene

Concen: 55.534 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

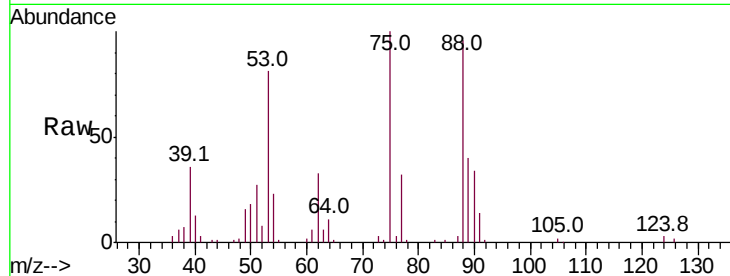
Tot Ion: 75 Resp: 94743

Ion Ratio Lower Upper

75 100

53 80.8 64.4 96.6

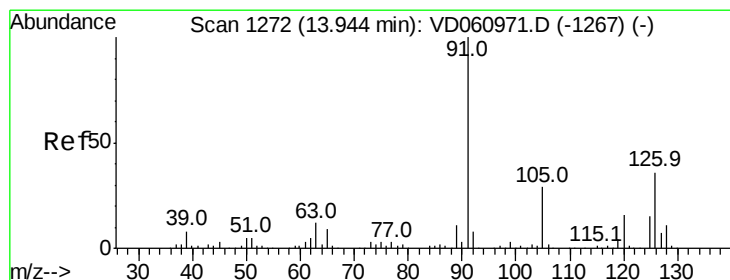
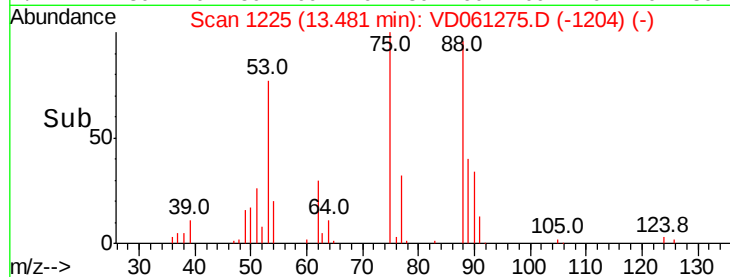
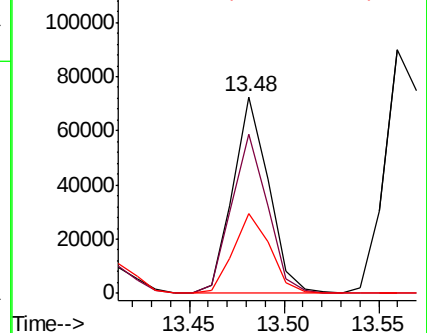
89 40.5 34.8 52.2



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: 50.323 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD061275.D

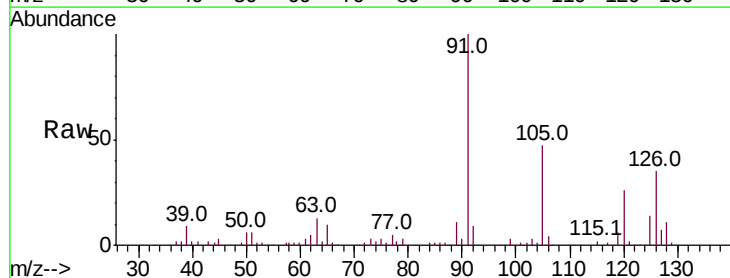
Acq: 23 Mar 2019 12:11

Tgt Ion: 91 Resp: 1111463

Ion Ratio Lower Upper

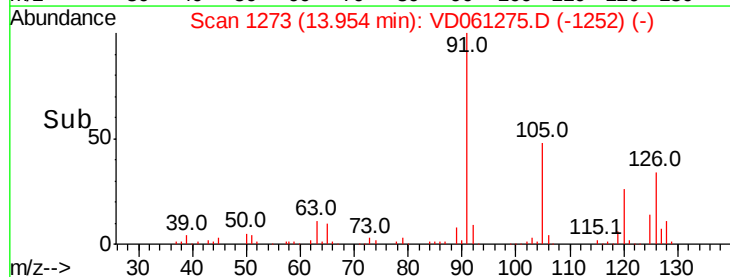
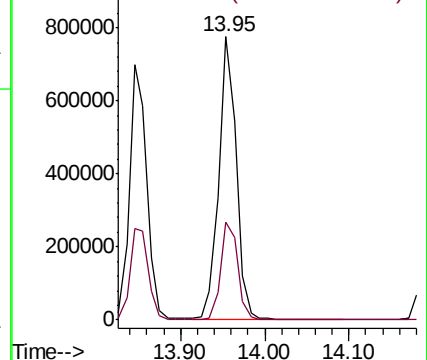
91 100

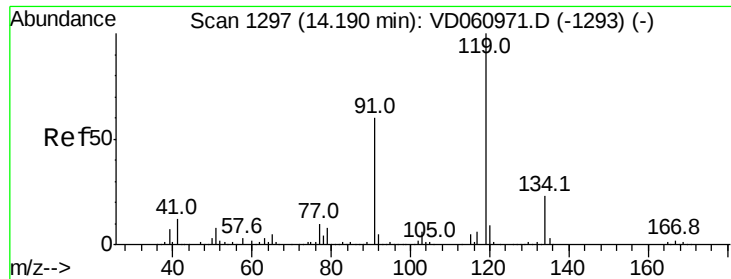
126 34.7 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 57.069 ug/l

RT: 14.20 min Scan# 1298

Delta R.T. 0.01 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

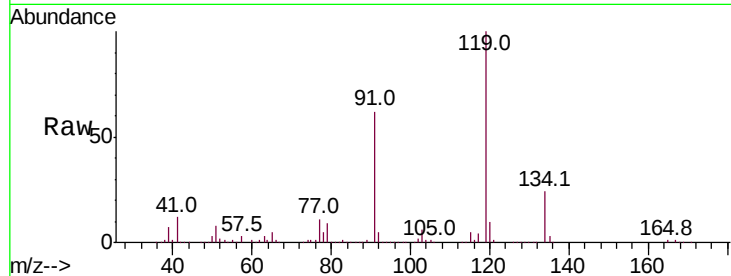
Tot Ion:119 Resp: 1374399

Ion	Ratio	Lower	Upper
119	100		
91	61.9	30.1	90.3
134	24.0	11.6	34.7

119 100

91 61.9 30.1 90.3

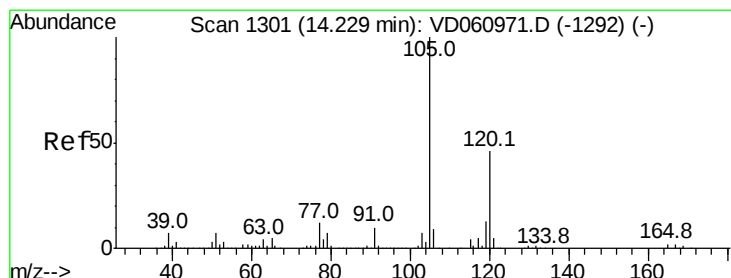
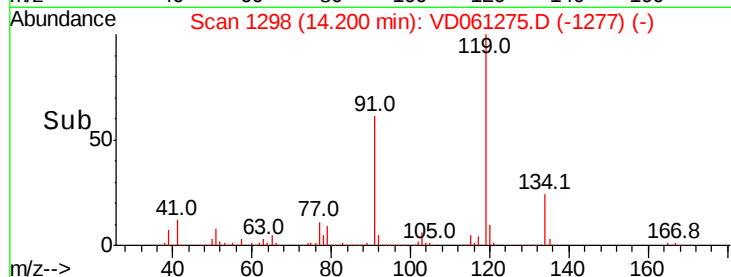
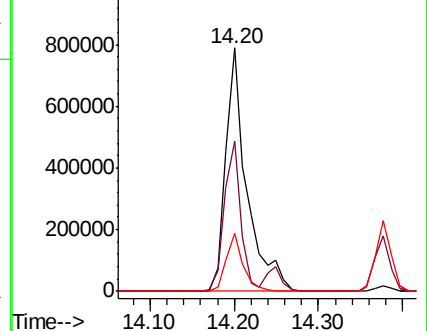
134 24.0 11.6 34.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.243 ug/l

RT: 14.25 min Scan# 1303

Delta R.T. 0.02 min

Lab File: VD061275.D

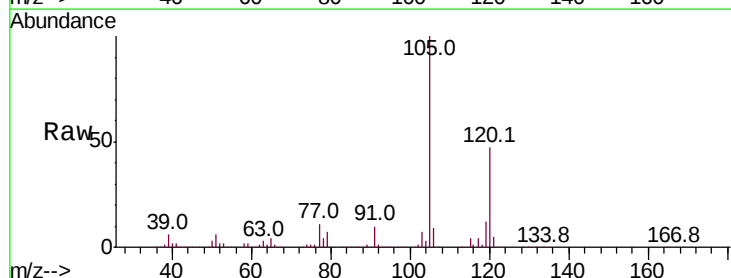
Acq: 23 Mar 2019 12:11

Tgt Ion:105 Resp: 1061652

Ion	Ratio	Lower	Upper
105	100		
120	47.4	22.9	68.5

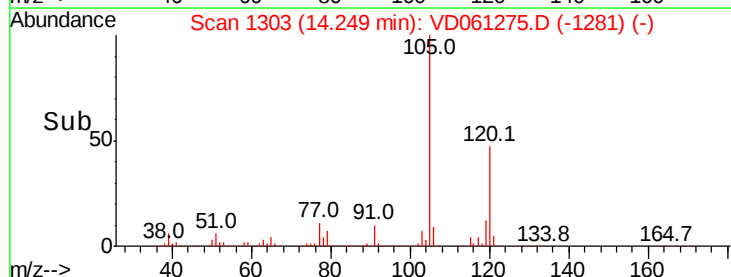
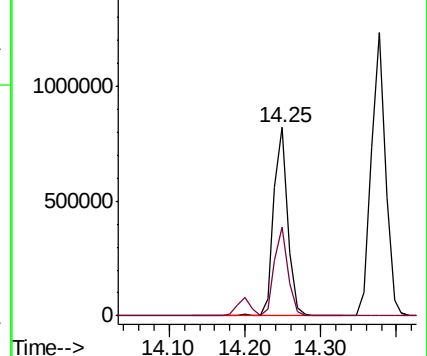
105 100

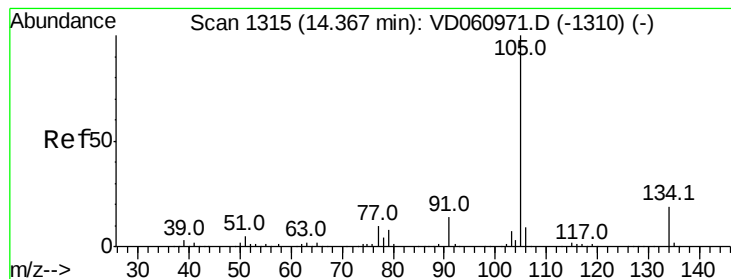
120 47.4 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 53.636 ug/l

RT: 14.38 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampled :

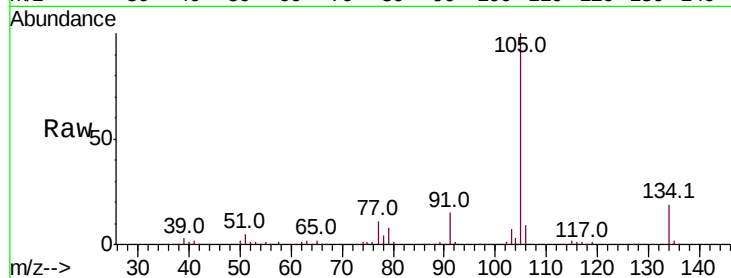
VSTDCCC050

Tot Ion:105 Resp: 1576940

Ion Ratio Lower Upper

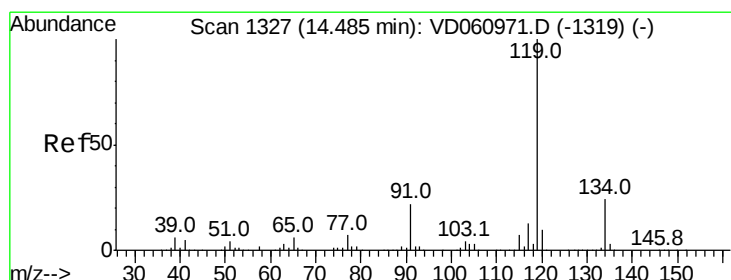
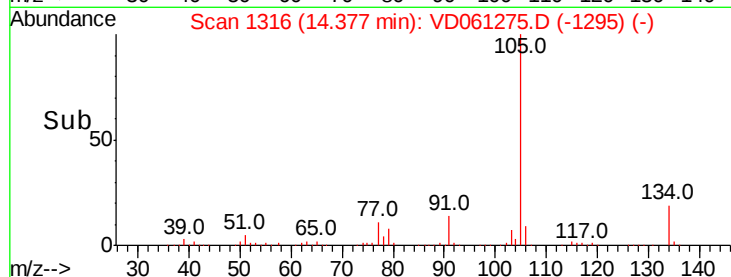
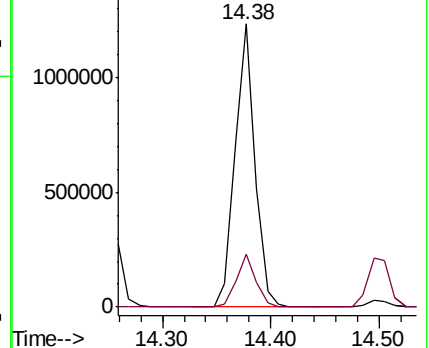
105 100

134 18.7 9.4 28.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 51.885 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

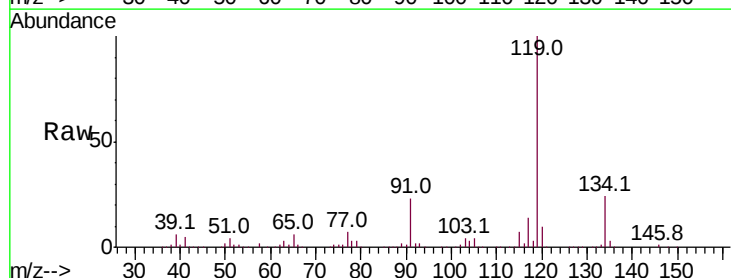
Tgt Ion:119 Resp: 1246926

Ion Ratio Lower Upper

119 100

134 23.7 12.0 36.1

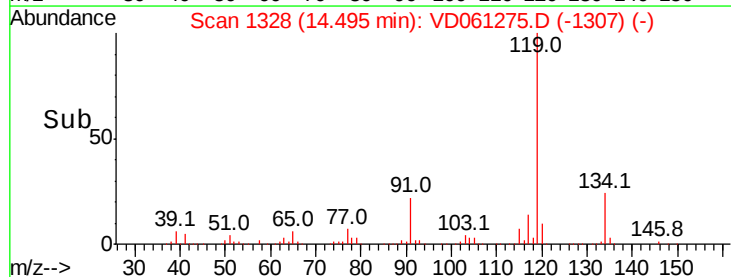
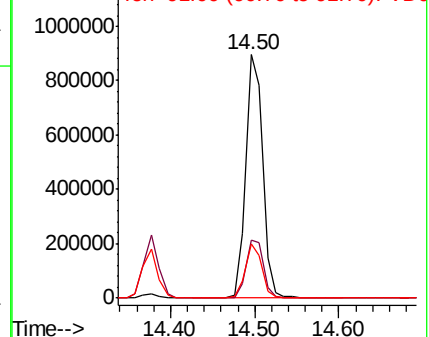
91 22.5 11.2 33.6

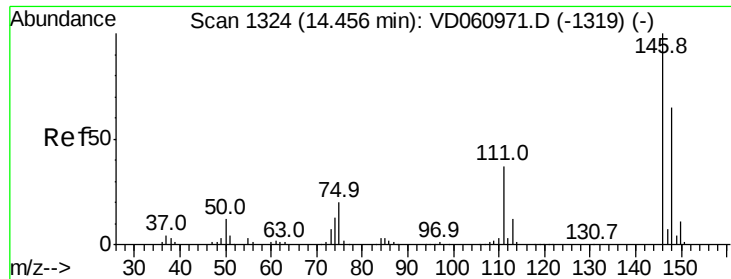


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

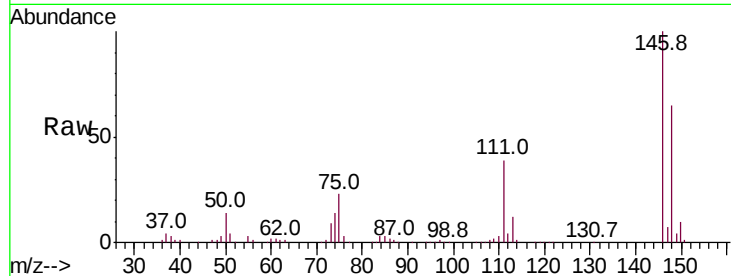




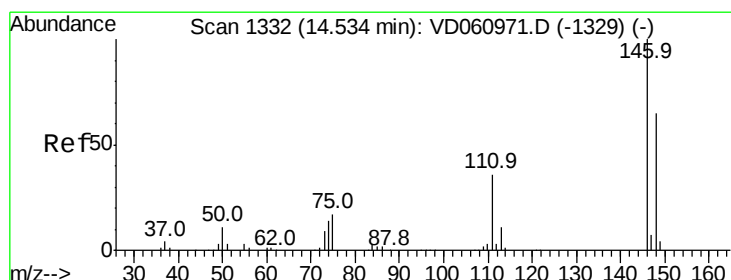
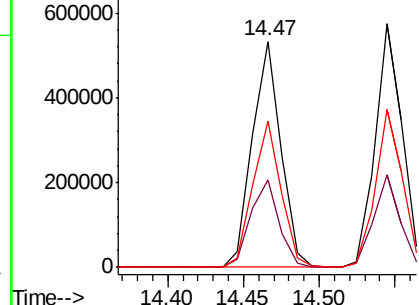
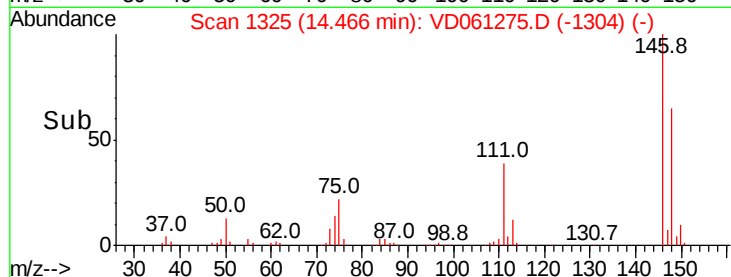
#87
 1,3-Dichlorobenzene
 Concen: 53.080 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD061275.D
 Acq: 23 Mar 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 701355
 Ion Ratio Lower Upper
 146 100
 111 38.8 18.4 55.4
 148 64.9 32.5 97.4

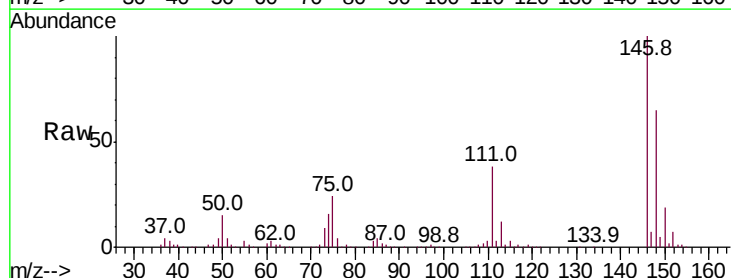


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

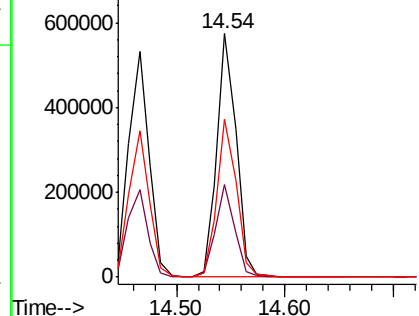
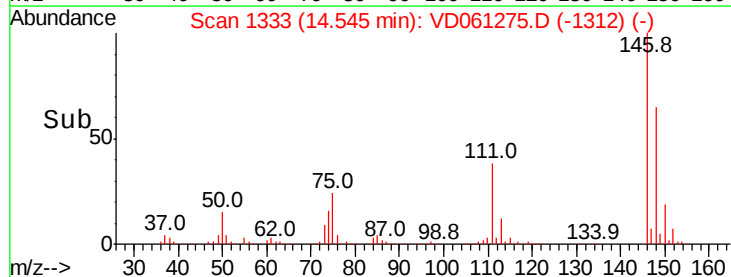


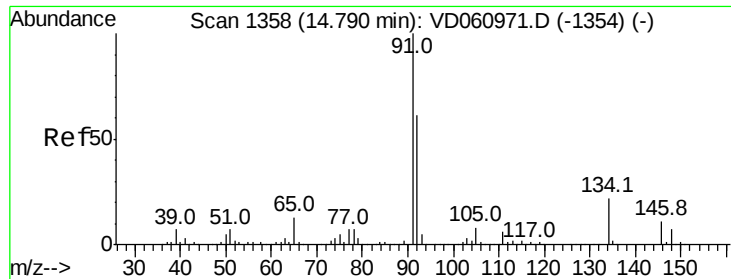
#88
 1,4-Dichlorobenzene
 Concen: 55.240 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD061275.D
 Acq: 23 Mar 2019 12:11

Tgt Ion:146 Resp: 717261
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.4 55.2
 148 65.0 32.5 97.5



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

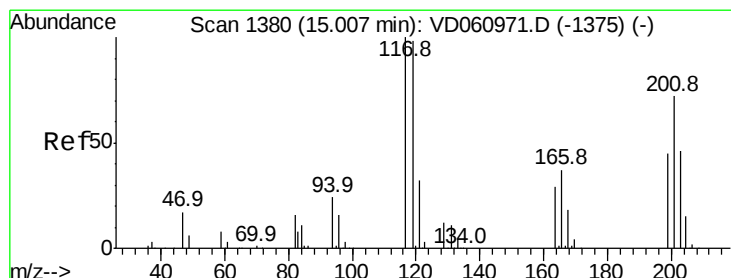
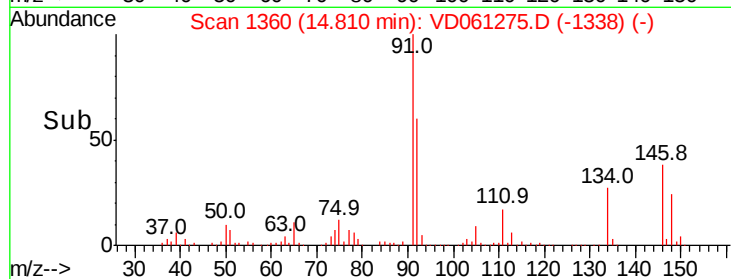
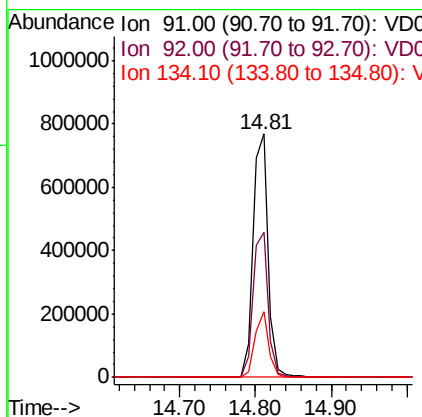
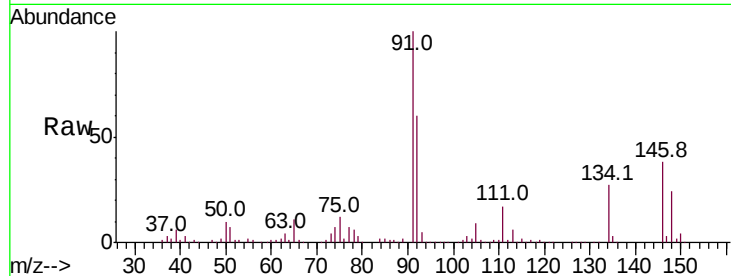




#89
n-Butylbenzene
Concen: 46.141 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD061275.D
Acq: 23 Mar 2019 12:11

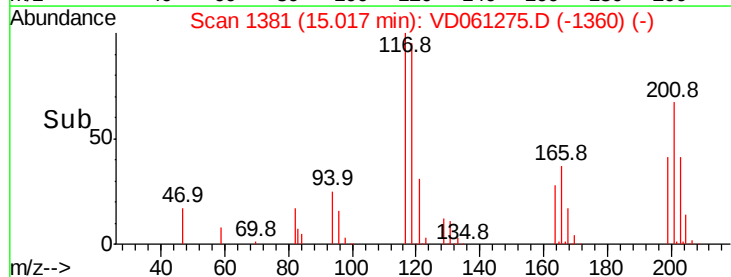
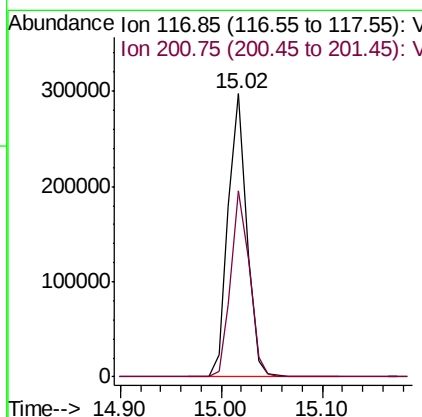
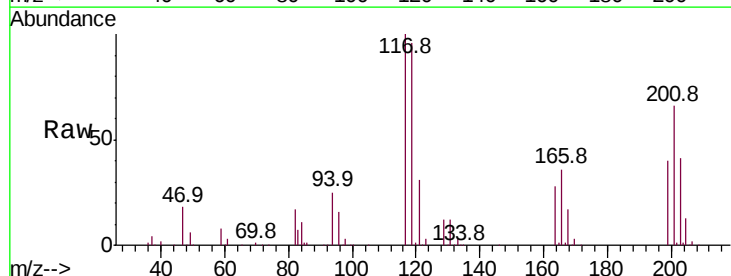
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

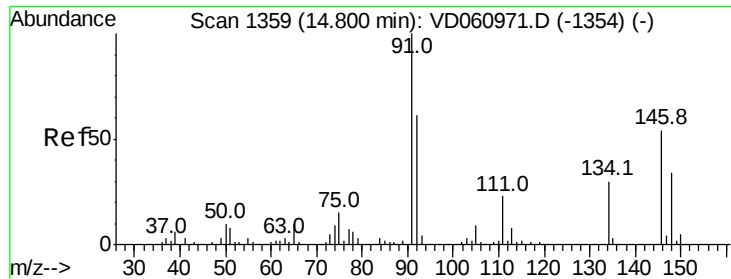
Tot Ion: 91 Resp: 1064872
Ion Ratio Lower Upper
91 100
92 59.6 30.6 91.8
134 26.9 11.0 33.0



#90
Hexachloroethane
Concen: 56.503 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD061275.D
Acq: 23 Mar 2019 12:11

Tgt Ion: 117 Resp: 383435
Ion Ratio Lower Upper
117 100
201 65.7 36.2 108.6

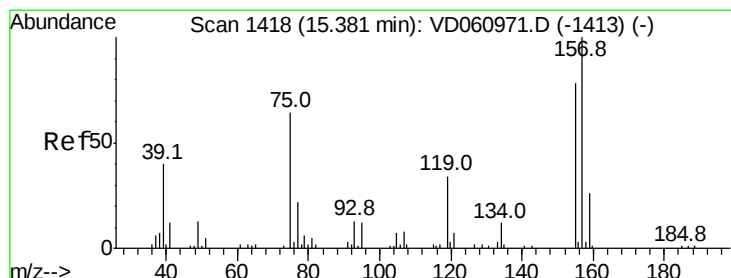
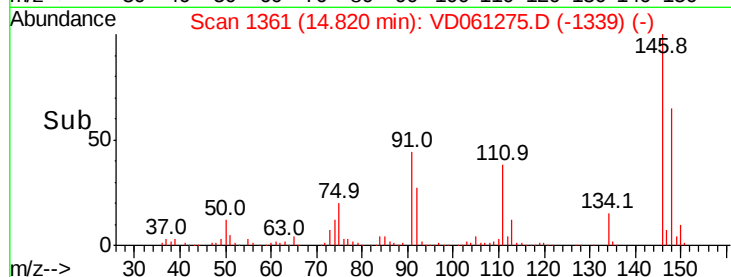
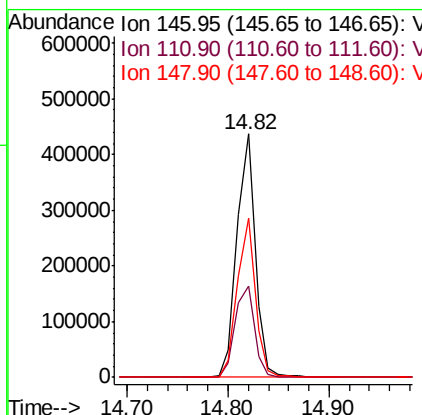
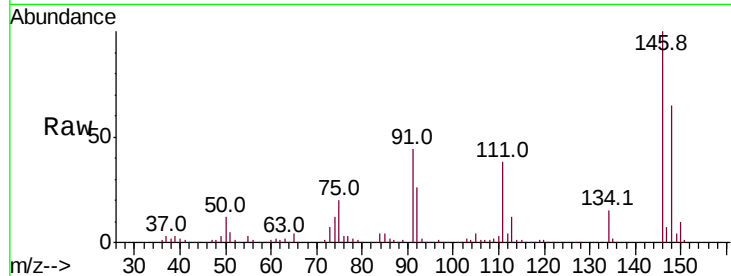




#91
 1,2-Dichlorobenzene
 Concen: 50.084 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD061275.D
 Acq: 23 Mar 2019 12:11

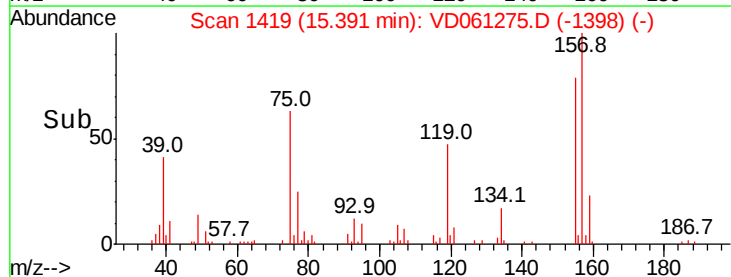
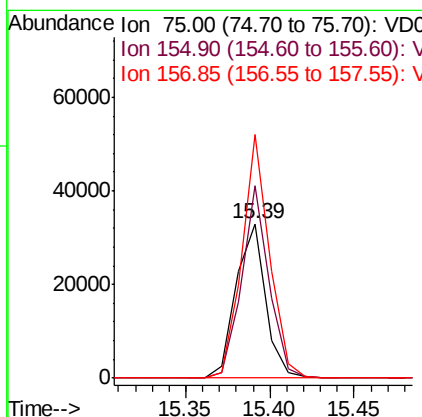
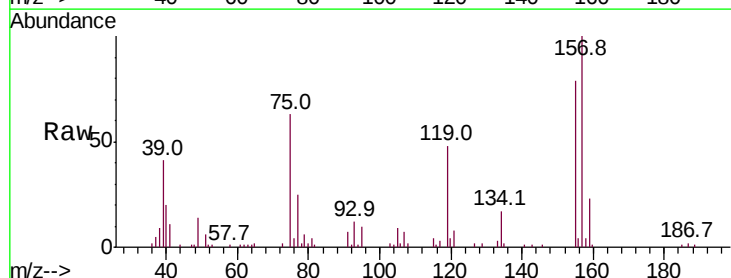
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

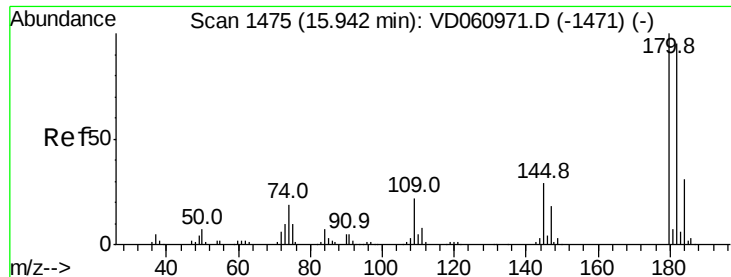
Tot Ion:146 Resp: 551694
 Ion Ratio Lower Upper
 146 100
 111 37.7 21.5 64.5
 148 65.4 30.9 92.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.596 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD061275.D
 Acq: 23 Mar 2019 12:11

Tgt Ion: 75 Resp: 39935
 Ion Ratio Lower Upper
 75 100
 155 124.5 61.2 183.5
 157 157.9 78.3 234.8

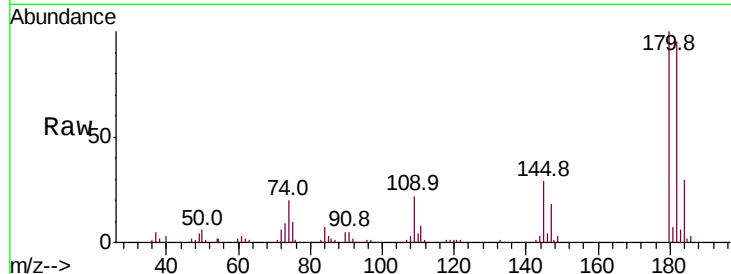




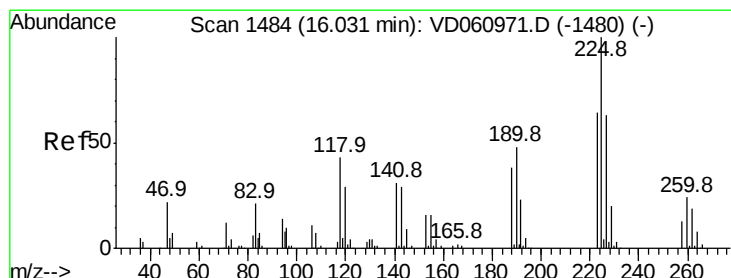
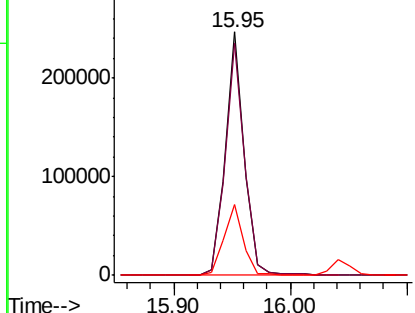
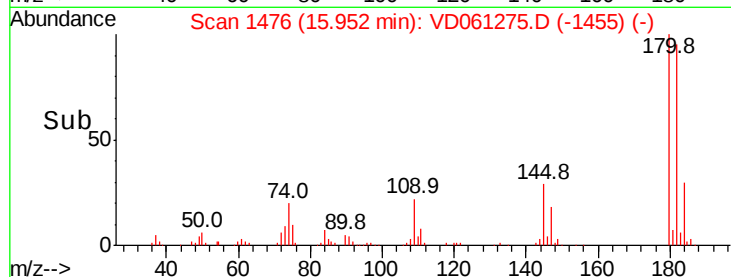
#93
 1,2,4-Trichlorobenzene
 Concen: 54.211 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061275.D
 Acq: 23 Mar 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.3	142.0
145	29.2	14.4	43.0

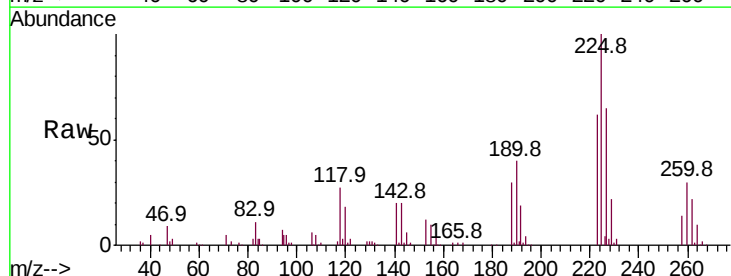


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

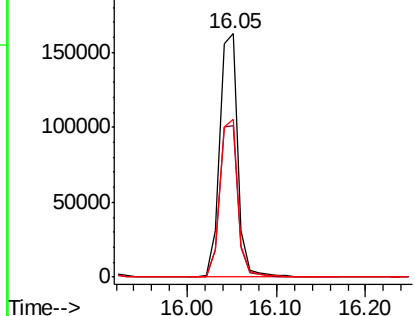
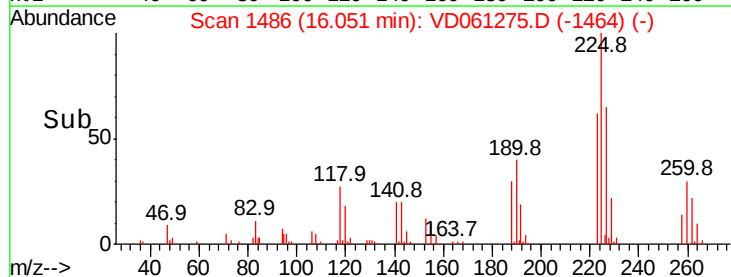


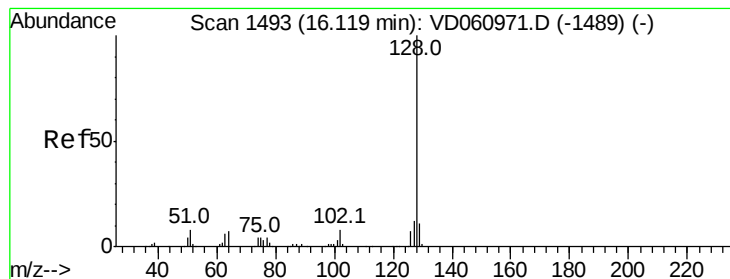
#94
 Hexachlorobutadiene
 Concen: 60.395 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD061275.D
 Acq: 23 Mar 2019 12:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.8	95.3
227	64.8	31.4	94.0



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





#95

Naphthalene

Concen: 54.473 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

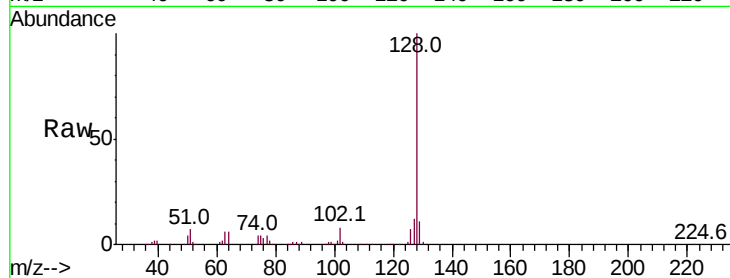
Tot Ion:128 Resp: 422996

Ion Ratio Lower Upper

128 100

127 12.3 9.8 14.8

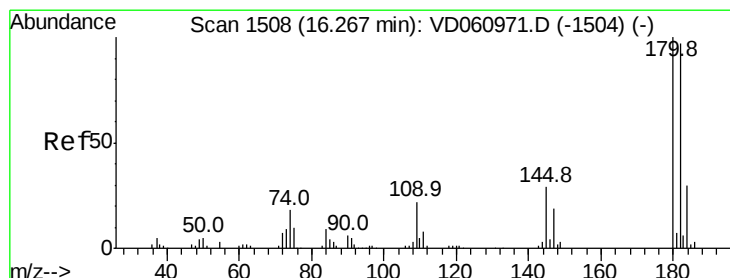
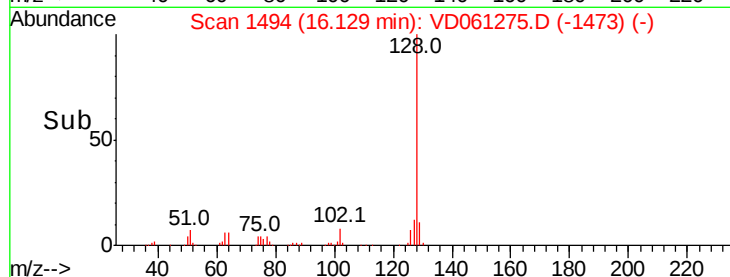
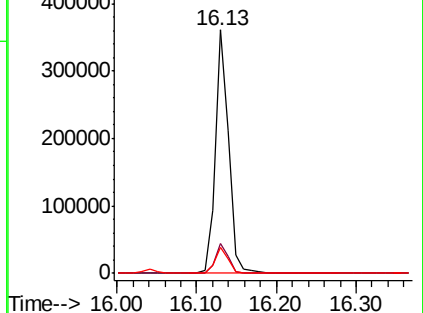
129 10.9 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 54.911 ug/l

RT: 16.28 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VD061275.D

Acq: 23 Mar 2019 12:11

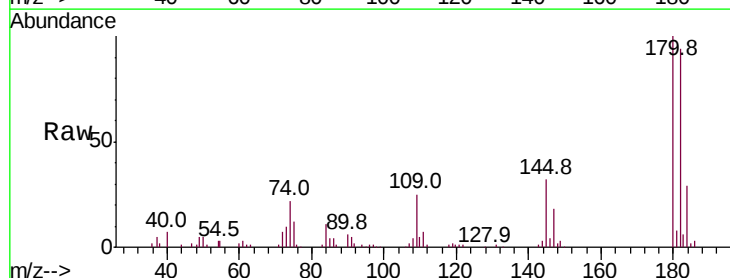
Tgt Ion:180 Resp: 138585

Ion Ratio Lower Upper

180 100

182 93.7 48.6 145.8

145 31.6 14.3 42.9



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

