

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042519\
 Data File : VD062029.D
 Acq On : 25 Apr 2019 10:14
 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: Apr 26 02:24:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	644177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	933875	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	828851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	379348	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	251938	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	
35) Dibromofluoromethane	6.93	113	370337	57.34	ug/l	0.00
Spiked Amount			Recovery	=	114.68%	
50) Toluene-d8	10.42	98	834338	54.29	ug/l	0.00
Spiked Amount			Recovery	=	108.58%	
62) 4-Bromofluorobenzene	13.56	95	344099	55.82	ug/l	0.00
Spiked Amount			Recovery	=	111.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	276384	48.050	ug/l	97
3) Chloromethane	1.76	50	198528	40.609	ug/l	93
4) Vinyl Chloride	1.86	62	189787	42.831	ug/l	98
5) Bromomethane	2.15	94	55300	46.813	ug/l	91
6) Chloroethane	2.27	64	73228	45.718	ug/l	95
7) Trichlorofluoromethane	2.54	101	299105	44.644	ug/l	100
8) Diethyl Ether	2.87	74	80623	44.900	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.16	101	279258	45.248	ug/l	94
10) Methyl Iodide	3.31	142	395060	42.883	ug/l	96
11) Tert butyl alcohol	4.06	59	72692	255.187	ug/l	96
12) 1,1-Dichloroethene	3.14	96	232869	44.350	ug/l	98
13) Acrolein	3.04	56	96941	327.992	ug/l	97
14) Allyl chloride	3.63	41	314114	43.810	ug/l	97
15) Acrylonitrile	4.20	53	210391	238.518	ug/l	97
16) Acetone	3.22	43	364517	302.804	ug/l	95
17) Carbon Disulfide	3.38	76	693528	45.708	ug/l	99
18) Methyl Acetate	3.64	43	107964	49.427	ug/l	94
19) Methyl tert-butyl Ether	4.25	73	473453	45.445	ug/l	96
20) Methylene Chloride	3.82	84	265121	44.915	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	257330	42.721	ug/l	94
22) Diisopropyl ether	5.12	45	822989	49.164	ug/l	96
23) Vinyl Acetate	5.07	43	2267849	260.150	ug/l	100
24) 1,1-Dichloroethane	5.00	63	479763	47.419	ug/l	98
25) 2-Butanone	6.07	43	431697	295.779	ug/l	98
26) 2,2-Dichloropropane	6.04	77	429339	48.642	ug/l	100
27) cis-1,2-Dichloroethene	6.05	96	331749	48.413	ug/l	96
28) Bromochloromethane	6.44	49	181743	46.947	ug/l	92
29) Tetrahydrofuran	6.46	42	176056	244.813	ug/l	99
30) Chloroform	6.67	83	570815	49.671	ug/l	98
31) Cyclohexane	6.97	56	340789	45.379	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	481907	48.196	ug/l	98
36) 1,1-Dichloropropene	7.15	75	393769	54.120	ug/l	95
37) Ethyl Acetate	6.19	43	182063	58.720	ug/l	97
38) Carbon Tetrachloride	7.12	117	513374m	55.682	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	405684	56.513	ug/l	98
40) Benzene	7.46	78	885901	49.182	ug/l	98
41) Methacrylonitrile	6.44	41	206664	57.127	ug/l #	94
42) 1,2-Dichloroethane	7.59	62	348159	56.926	ug/l	98
43) Isopropyl Acetate	9.24	43	231932	51.196	ug/l	99
44) Trichloroethene	8.54	130	377053	53.994	ug/l	98
45) 1,2-Dichloropropane	8.94	63	242695	53.110	ug/l	96
46) Dibromomethane	9.06	93	184221	56.026	ug/l	95
47) Bromodichloromethane	9.38	83	427350	55.005	ug/l	97
48) Methyl methacrylate	9.13	41	147444	57.044	ug/l	97
49) 1,4-Dioxane	9.08	88	33900	1216.491	ug/l	98
51) 4-Methyl-2-Pentanone	10.30	43	787754	284.333	ug/l	98
52) Toluene	10.52	92	610330	53.141	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	377145	57.832	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	462304	58.286	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	222082	57.597	ug/l	96
56) Ethyl methacrylate	11.04	69	219962	51.508	ug/l	97
57) 1,3-Dichloropropane	11.41	76	339852	57.068	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	525109	264.478	ug/l	99
59) 2-Hexanone	11.53	43	629950	303.109	ug/l	99
60) Dibromochloromethane	11.69	129	382070	59.886	ug/l	100
61) 1,2-Dibromoethane	11.81	107	259789	56.798	ug/l	95
64) Tetrachloroethene	11.26	164	281299	47.576	ug/l	97
65) Chlorobenzene	12.40	112	729042	46.547	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	318785	47.984	ug/l	99
67) Ethyl Benzene	12.53	91	1160237	45.386	ug/l	100
68) m/p-Xylenes	12.67	106	889446	96.266	ug/l	97
69) o-Xylene	13.05	106	419402	49.611	ug/l	95
70) Styrene	13.08	104	761164	52.145	ug/l	97
71) Bromoform	13.24	173	210524	55.582	ug/l	99
73) Isopropylbenzene	13.40	105	1054746	41.681	ug/l	100
74) N-amyl acetate	13.27	43	340911	52.311	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	255240	51.471	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	254015	52.731	ug/l	99
77) Bromobenzene	13.67	156	331058	45.605	ug/l	89
78) n-propylbenzene	13.78	91	1350698	46.627	ug/l	100
79) 2-Chlorotoluene	13.85	91	830844	47.351	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	962119	47.683	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	72083	49.379	ug/l	96
82) 4-Chlorotoluene	13.94	91	933081	48.287	ug/l	86
83) tert-Butylbenzene	14.19	119	1114343	47.674	ug/l	100
84) 1,2,4-Trimethylbenzene	14.24	105	974723	50.592	ug/l	99
85) sec-Butylbenzene	14.37	105	1170714	46.354	ug/l	99
86) p-Isopropyltoluene	14.50	119	1002405	44.347	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	588557	46.298	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	573918	48.275	ug/l	98
89) n-Butylbenzene	14.80	91	876612	43.198	ug/l	96
90) Hexachloroethane	15.01	117	296890	48.574	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	448939	42.812	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	33597	46.076	ug/l	93

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Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration

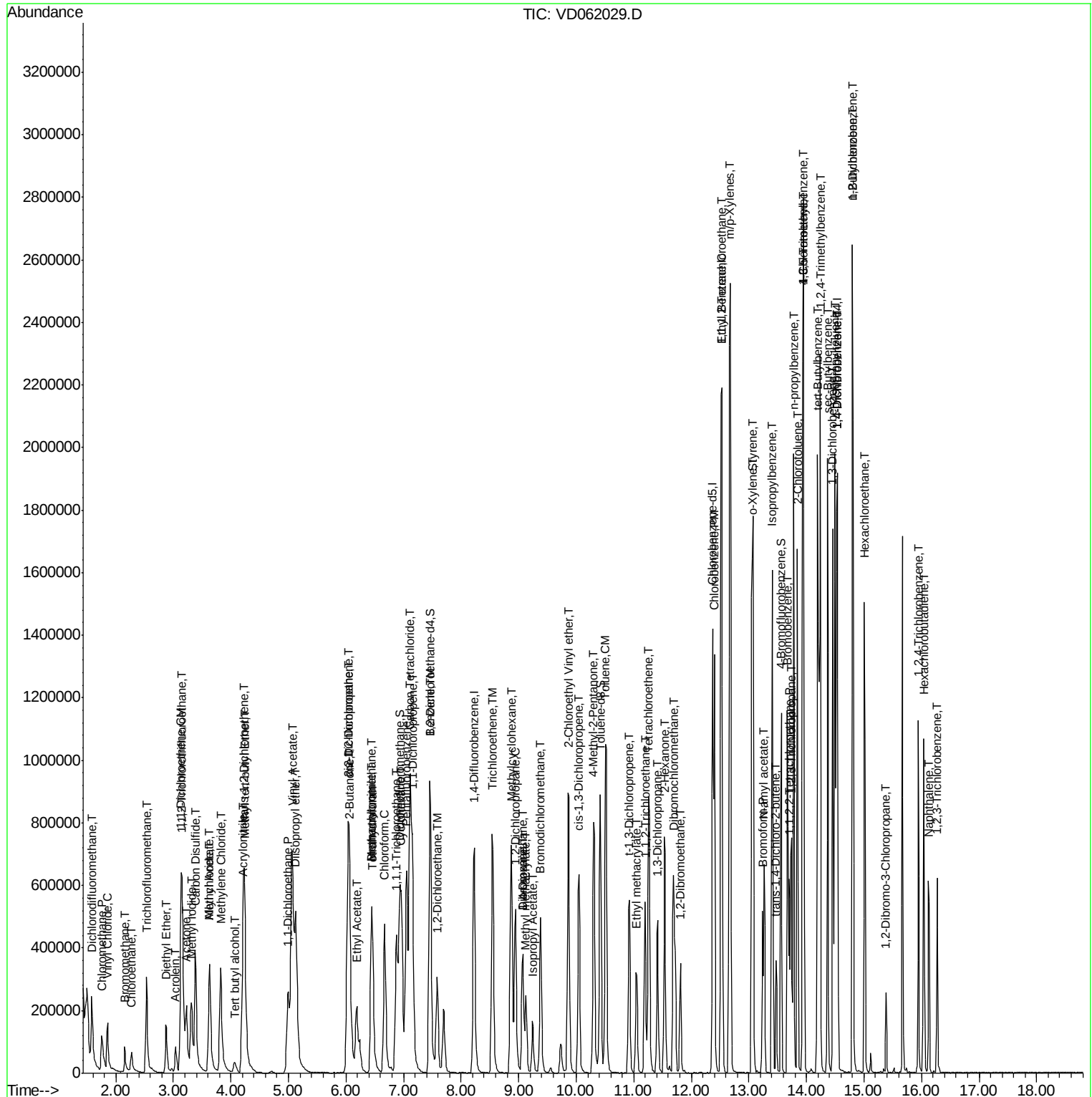
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	274412	48.501	ug/l	98
94) Hexachlorobutadiene	16.04	225	185241	44.242	ug/l	97
95) Naphthalene	16.13	128	431175	47.199	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	163386	50.896	ug/l	99

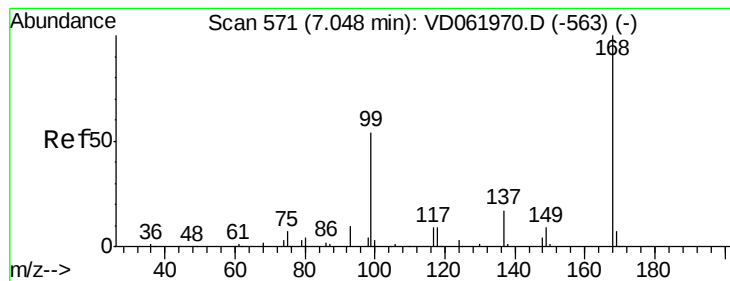
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

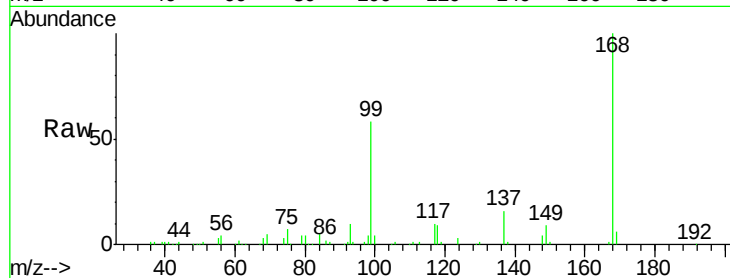
VSTDCCC050

Tot Ion:168 Resp: 644177

Ion Ratio Lower Upper

168 100

99 57.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

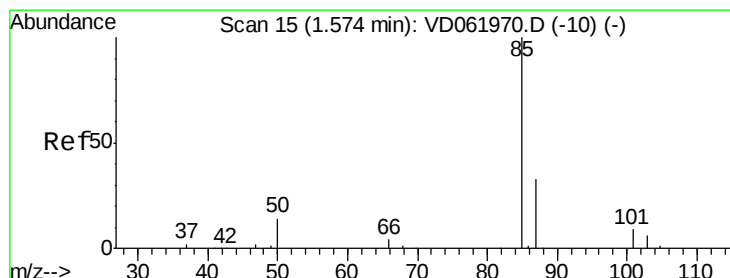
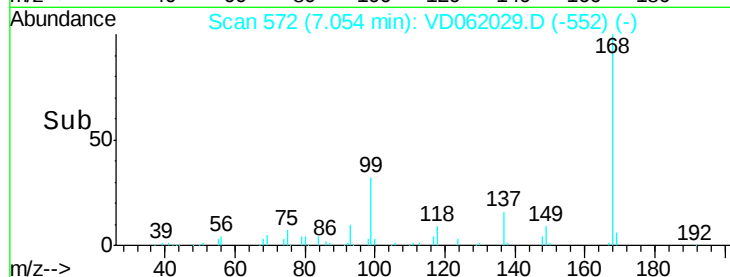
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 48.050 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.01 min

Lab File: VD062029.D

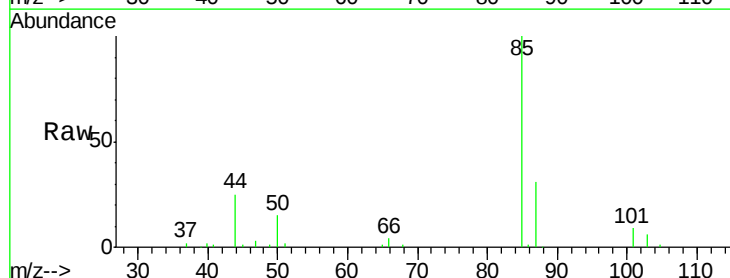
Acq: 25 Apr 2019 10:14

Tgt Ion: 85 Resp: 276384

Ion Ratio Lower Upper

85 100

87 30.8 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

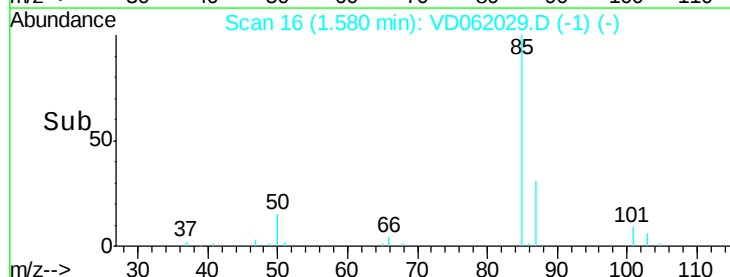
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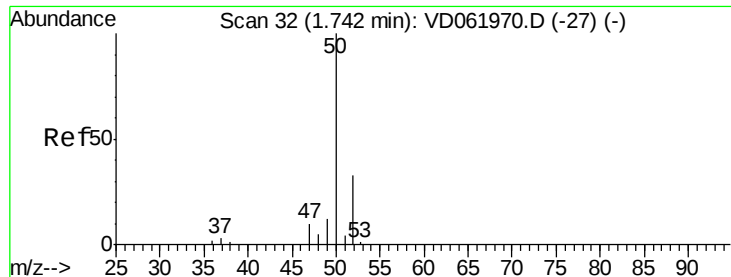
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 40.609 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

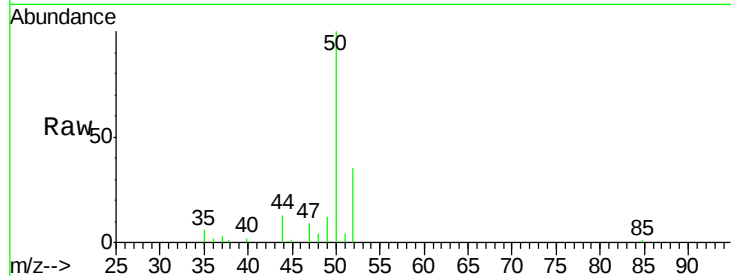
VSTDCCC050

Tot Ion: 50 Resp: 198528

Ion Ratio Lower Upper

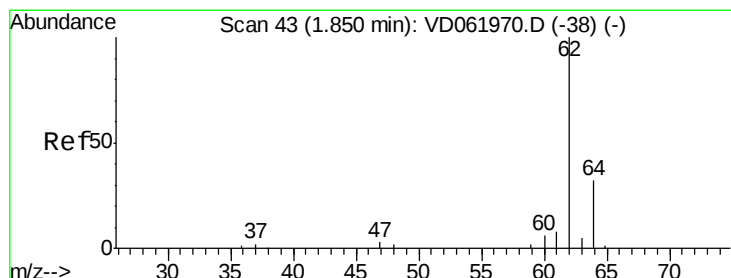
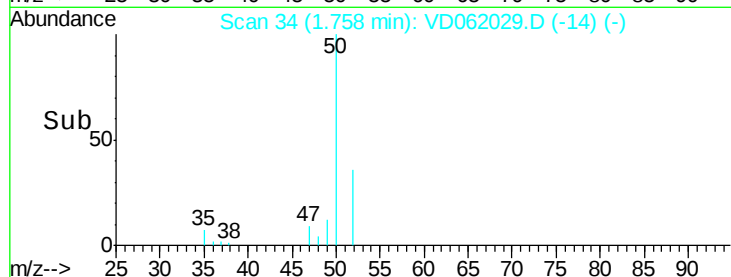
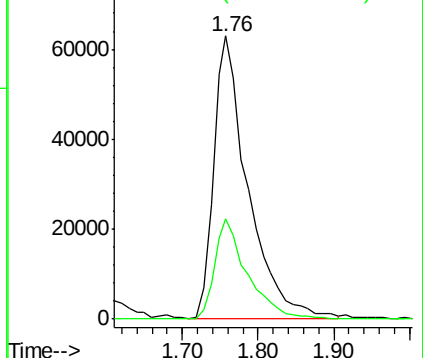
50 100

52 35.3 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 42.831 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD062029.D

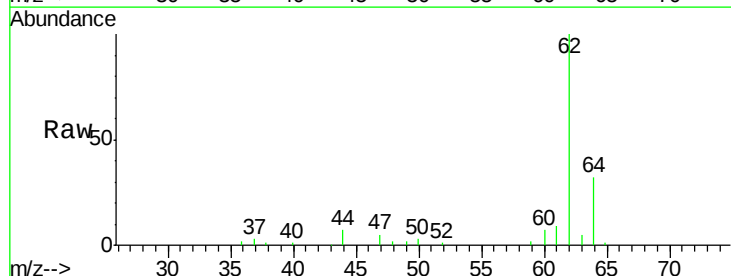
Acq: 25 Apr 2019 10:14

Tgt Ion: 62 Resp: 189787

Ion Ratio Lower Upper

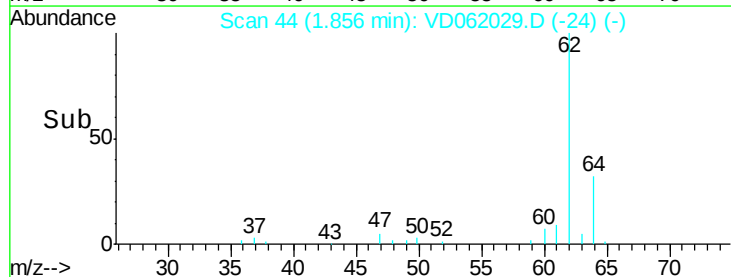
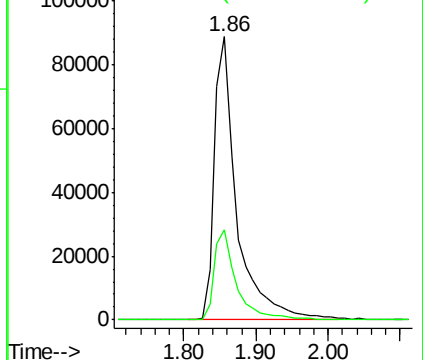
62 100

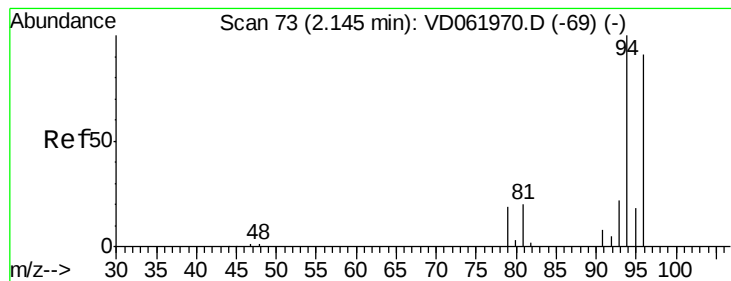
64 31.9 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 46.813 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

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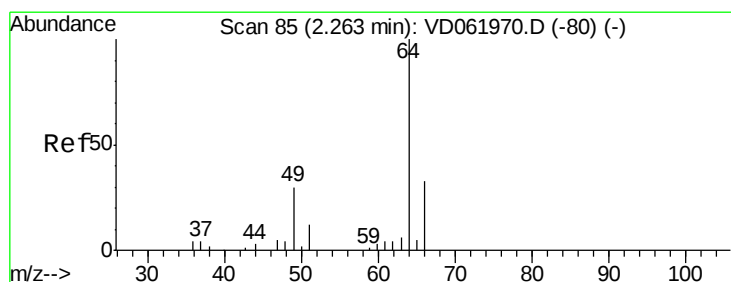
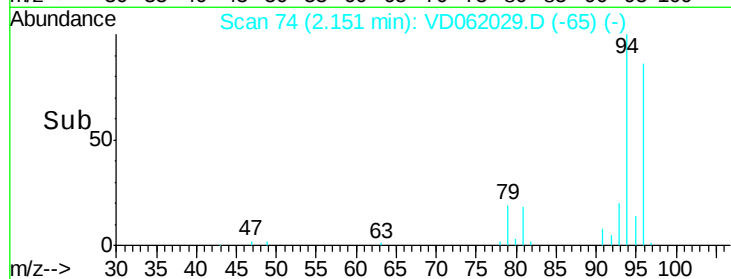
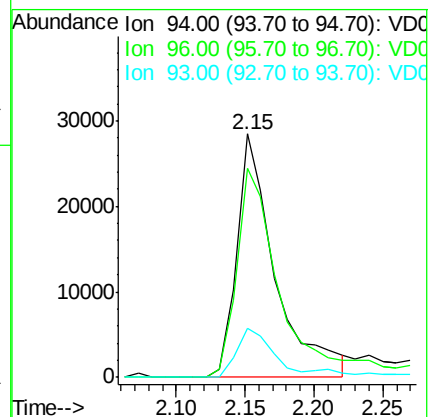
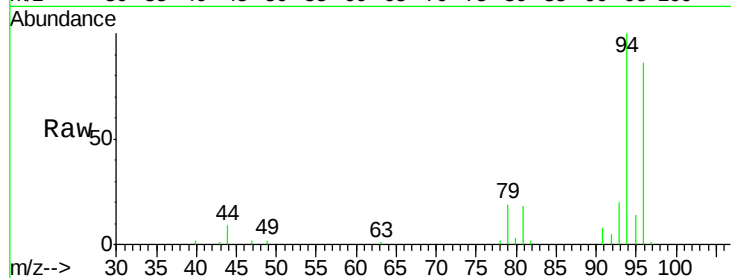
Tot Ion: 94 Resp: 55300

Ion Ratio Lower Upper

94 100

96 85.8 76.6 115.0

93 20.4 18.5 27.7



#6

Chloroethane

Concen: 45.718 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.01 min

Lab File: VD062029.D

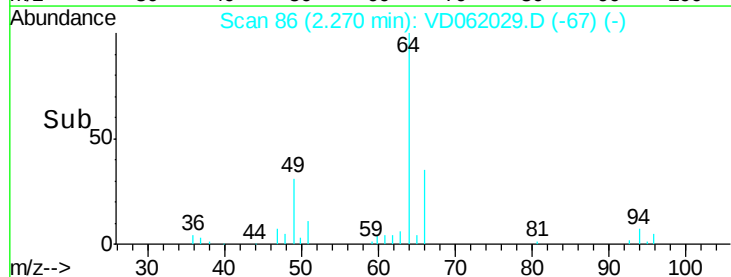
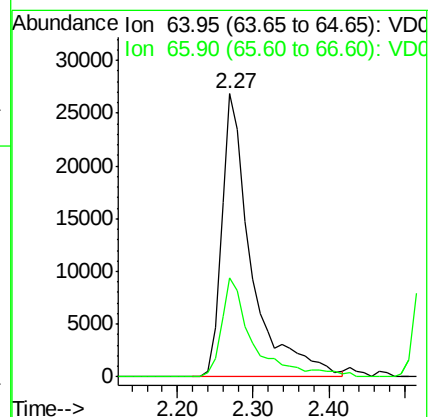
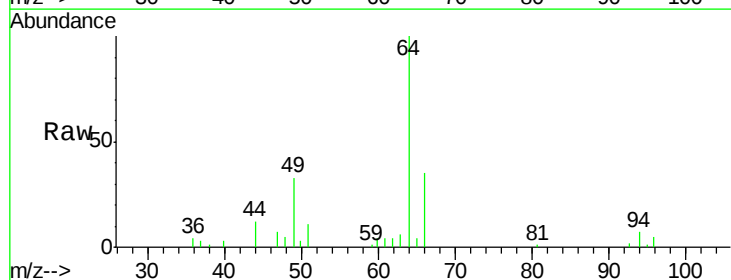
Acq: 25 Apr 2019 10:14

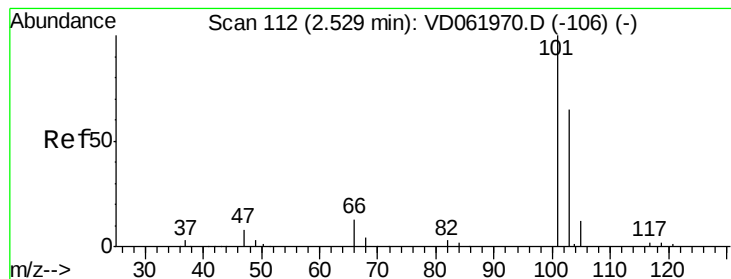
Tgt Ion: 64 Resp: 73228

Ion Ratio Lower Upper

64 100

66 34.8 25.6 38.4



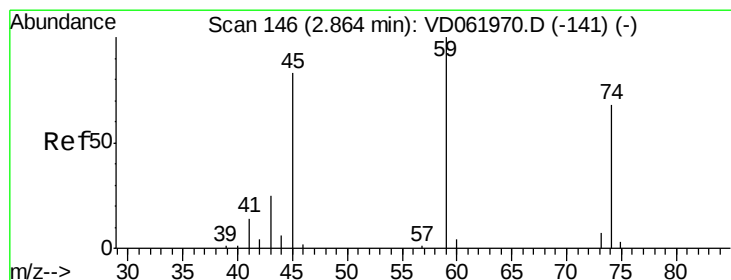
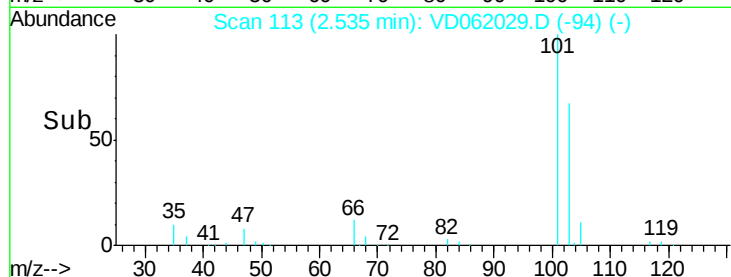
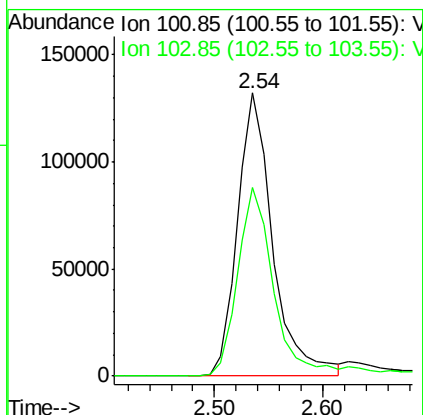
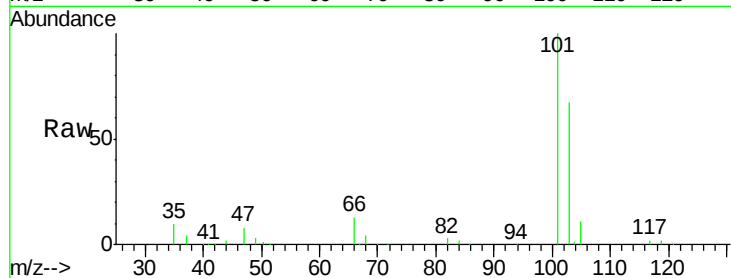


#7

Trichlorofluoromethane
 Concen: 44.644 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. -0.01 min
 Lab File: VD062029.D
 Acq: 25 Apr 2019 10:14

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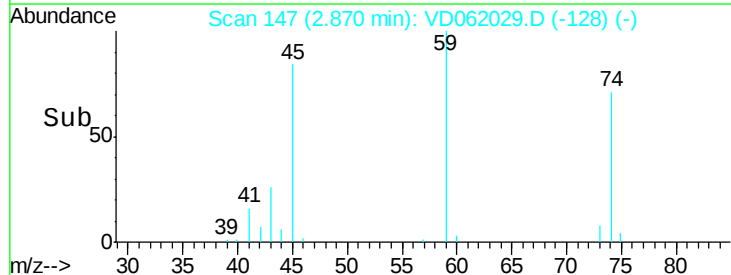
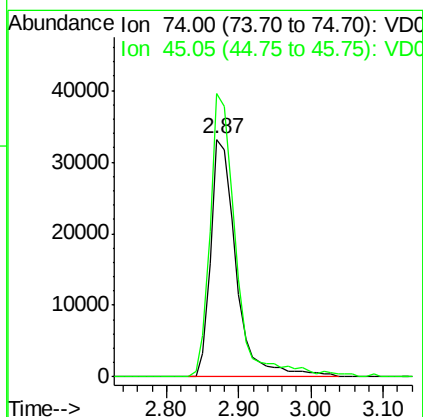
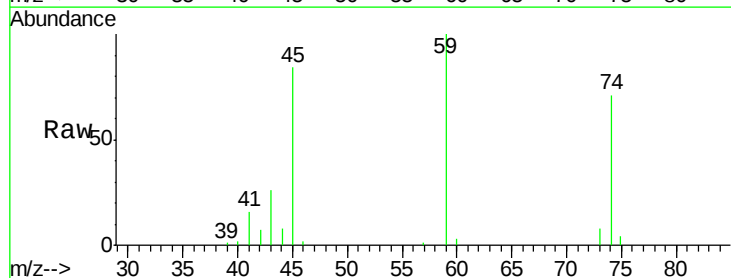
Tot Ion:101 Resp: 299105
 Ion Ratio Lower Upper
 101 100
 103 66.6 53.6 80.4



#8

Diethyl Ether
 Concen: 44.900 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD062029.D
 Acq: 25 Apr 2019 10:14

Tgt Ion: 74 Resp: 80623
 Ion Ratio Lower Upper
 74 100
 45 119.3 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.248 ug/l

RT: 3.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

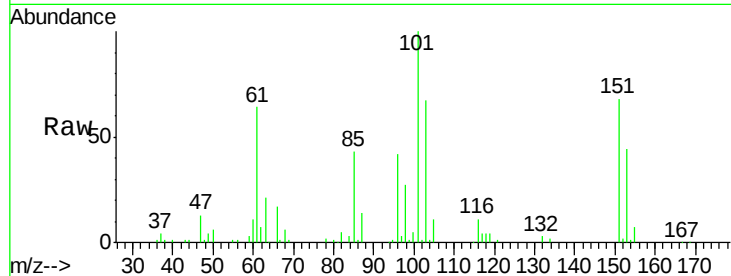
Tot Ion:101 Resp: 279258

Ion Ratio Lower Upper

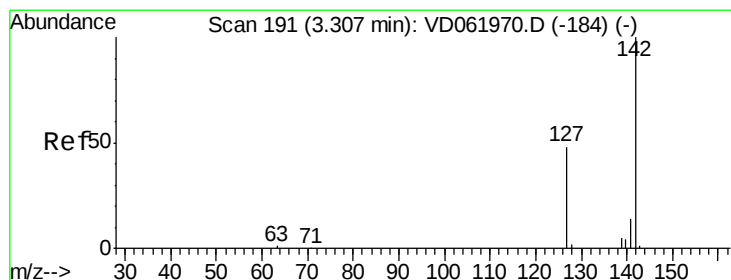
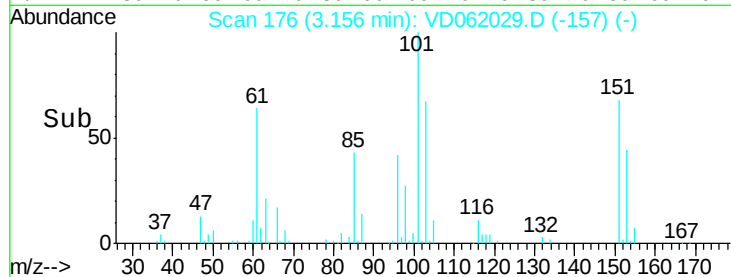
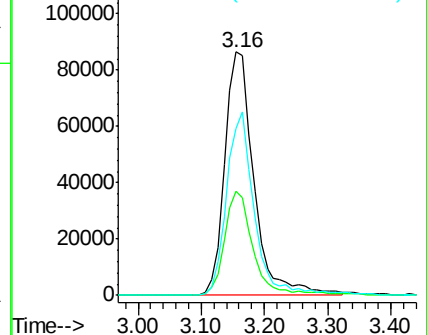
101 100

85 42.6 32.4 48.6

151 68.4 59.4 89.0



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



#10

Methyl Iodide

Concen: 42.883 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

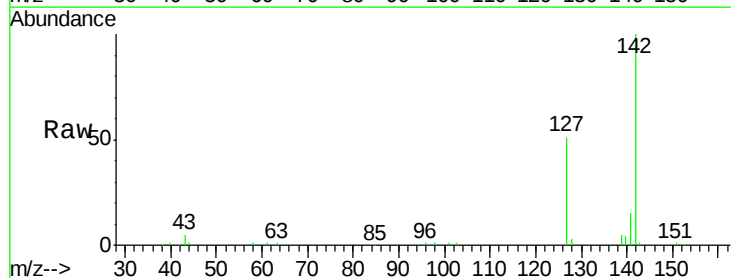
Tgt Ion:142 Resp: 395060

Ion Ratio Lower Upper

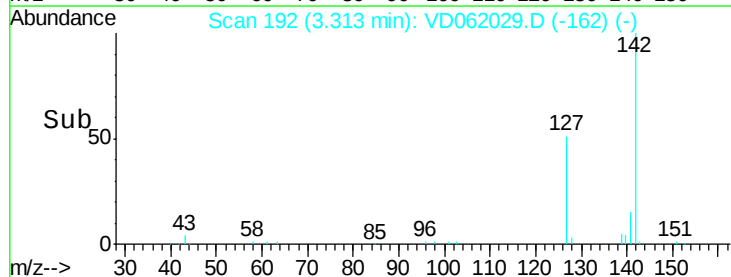
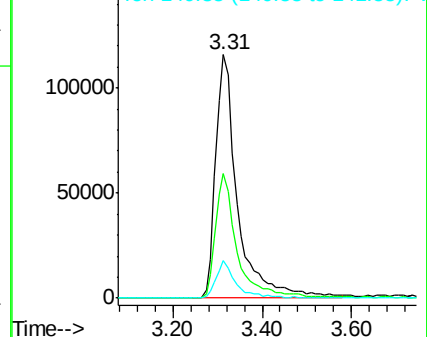
142 100

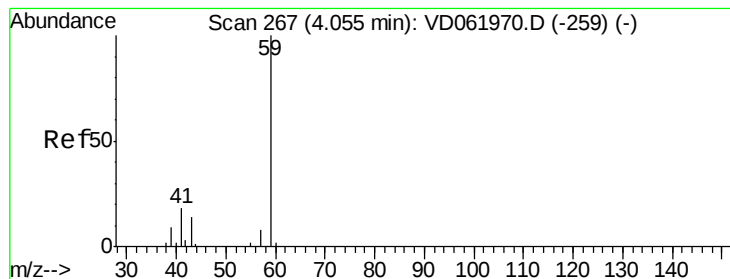
127 51.1 38.8 58.2

141 15.3 11.4 17.0



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



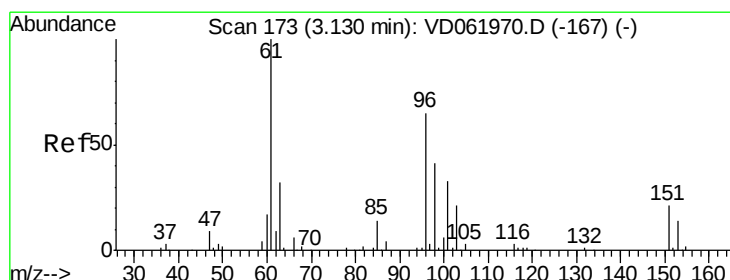
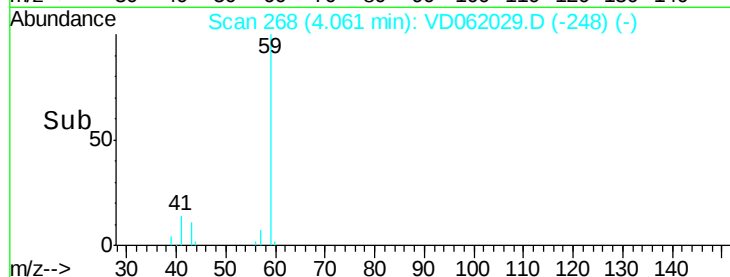
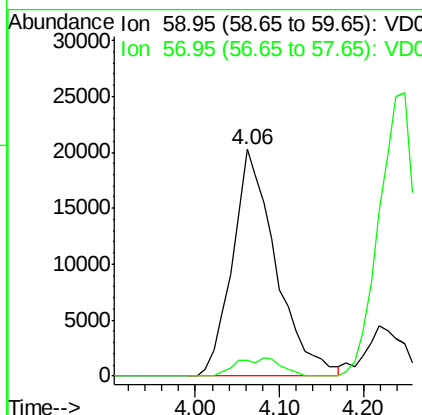
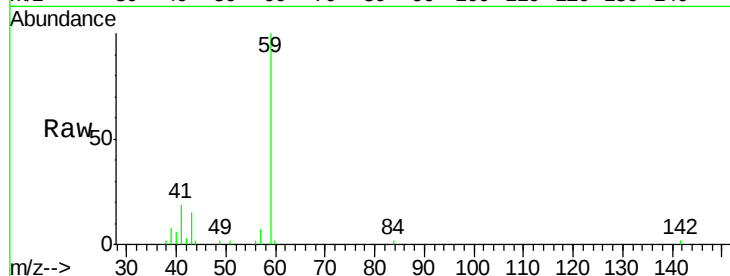


#11

Tert butyl alcohol
Concen: 255.187 ug/l
RT: 4.06 min Scan# 268
Delta R.T. 0.00 min
Lab File: VD062029.D
Acq: 25 Apr 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

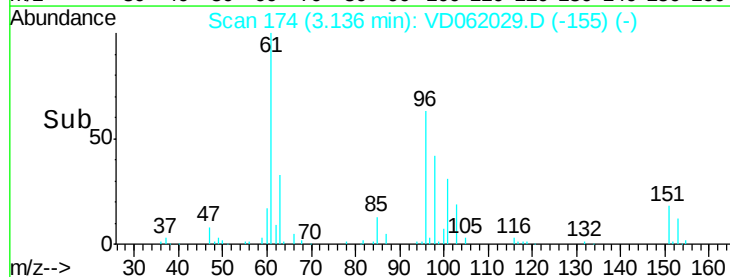
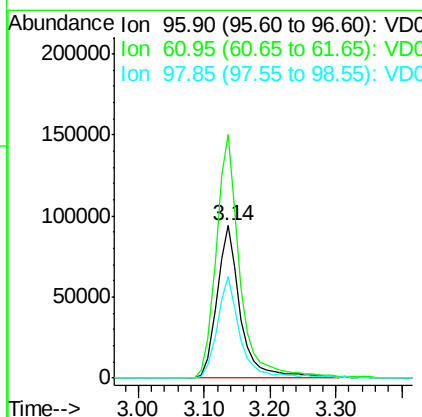
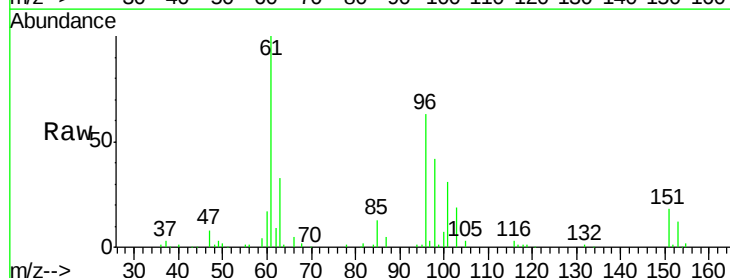
Tot Ion: 59 Resp: 72692
Ion Ratio Lower Upper
59 100
57 7.0 6.9 10.3

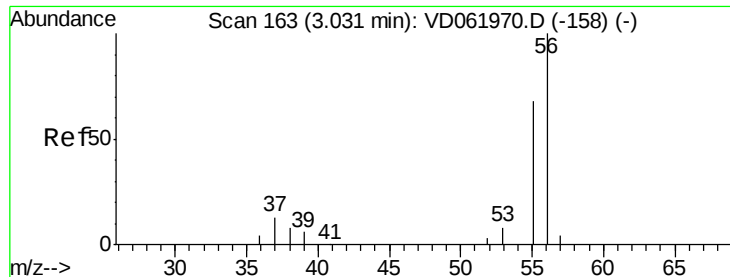


#12

1,1-Dichloroethene
Concen: 44.350 ug/l
RT: 3.14 min Scan# 174
Delta R.T. -0.01 min
Lab File: VD062029.D
Acq: 25 Apr 2019 10:14

Tgt Ion: 96 Resp: 232869
Ion Ratio Lower Upper
96 100
61 159.8 129.8 194.8
98 66.9 51.2 76.8

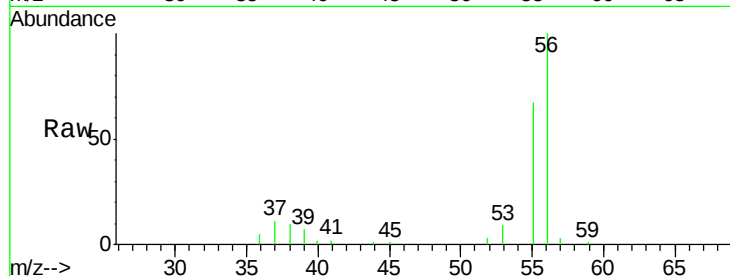




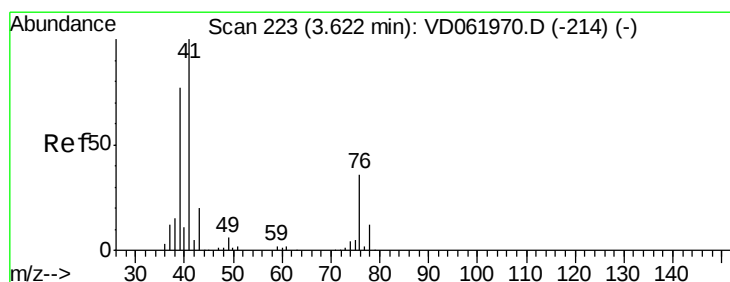
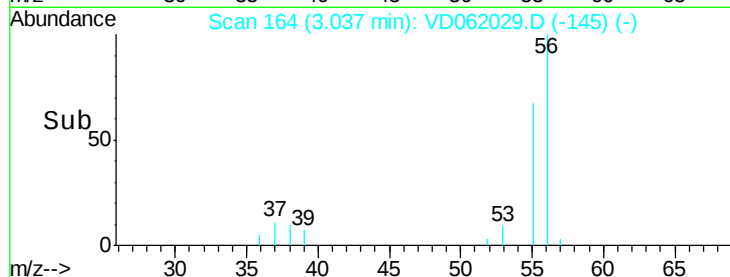
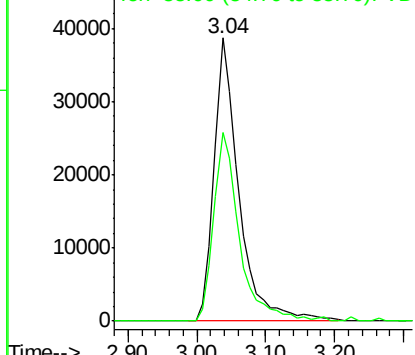
#13
Acrolein
Concen: 327.992 ug/l
RT: 3.04 min Scan# 164
Delta R.T. -0.01 min
Lab File: VD062029.D
Acq: 25 Apr 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 96941
Ion Ratio Lower Upper
56 100
55 66.5 51.4 77.2

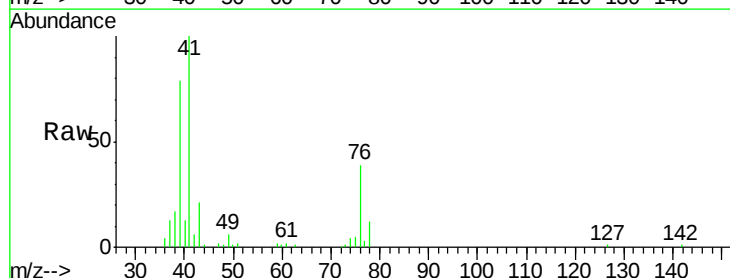


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC

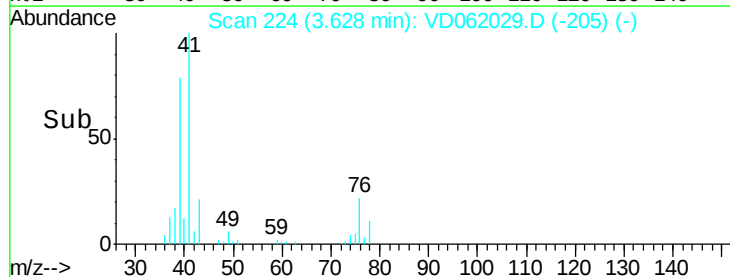
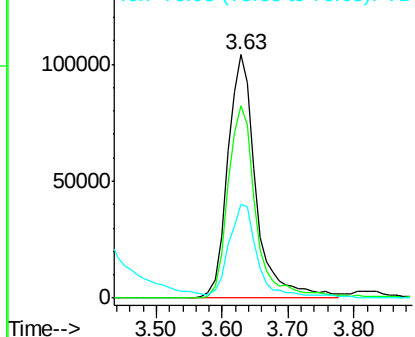


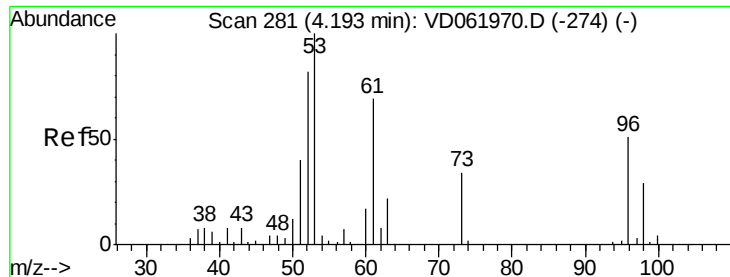
#14
Allyl chloride
Concen: 43.810 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD062029.D
Acq: 25 Apr 2019 10:14

Tgt Ion: 41 Resp: 314114
Ion Ratio Lower Upper
41 100
39 79.1 60.5 90.7
76 38.5 31.8 47.8



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





#15

Acrylonitrile

Concen: 238.518 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

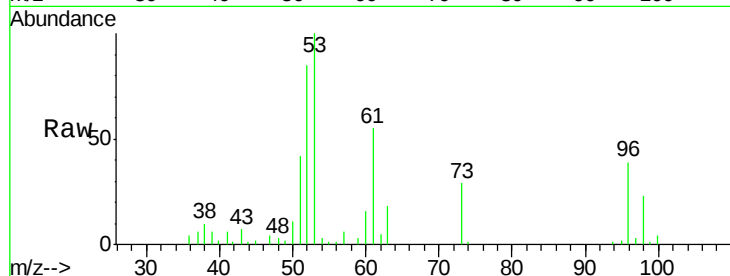
Tot Ion: 53 Resp: 210391

Ion Ratio Lower Upper

53 100

52 85.0 65.0 97.4

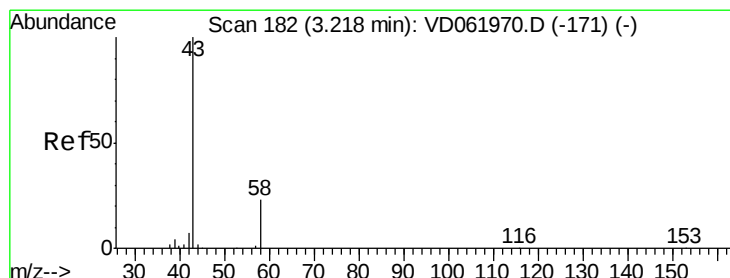
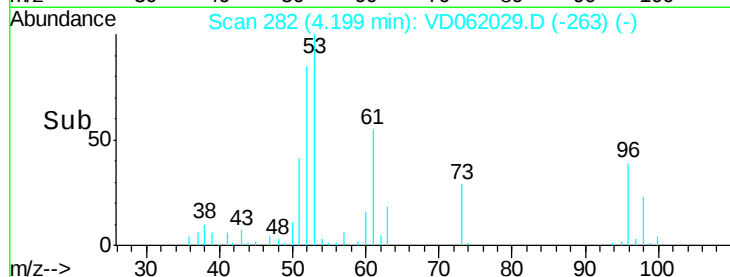
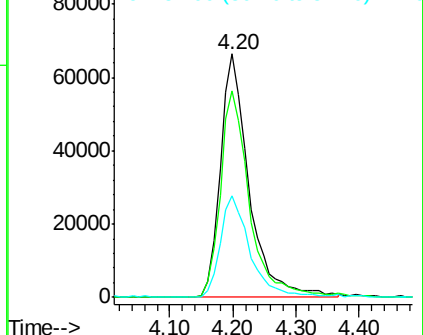
51 41.8 32.6 48.8



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: 302.804 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD062029.D

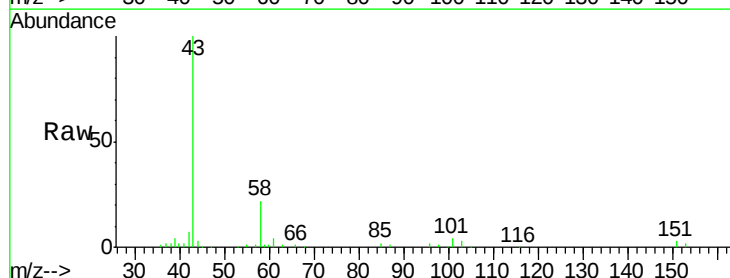
Acq: 25 Apr 2019 10:14

Tgt Ion: 43 Resp: 364517

Ion Ratio Lower Upper

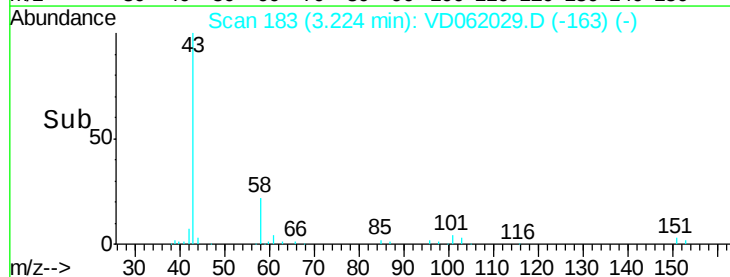
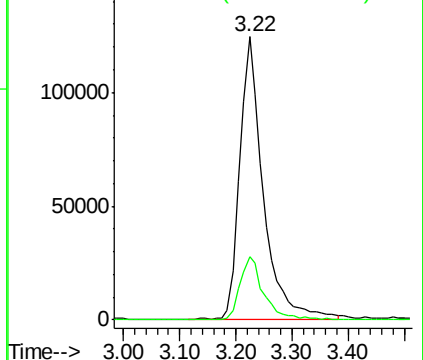
43 100

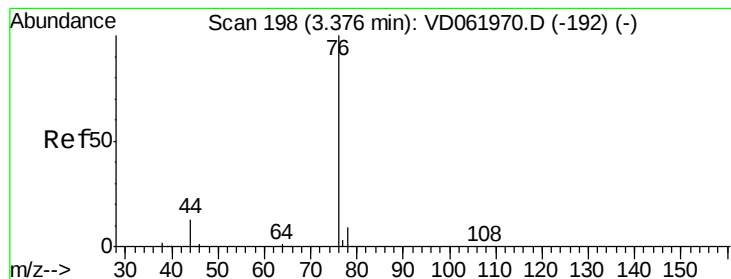
58 22.3 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 45.708 ug/l

RT: 3.38 min Scan# 199

Delta R.T. -0.01 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

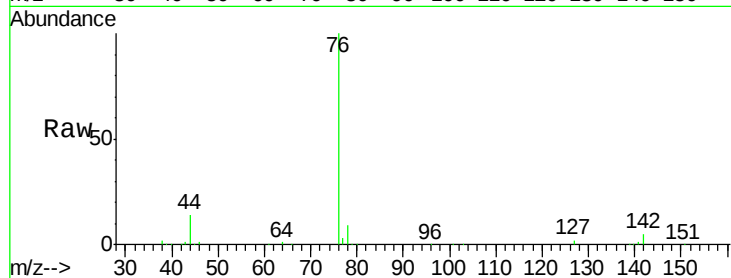
VSTDCCC050

Tot Ion: 76 Resp: 693528

Ion Ratio Lower Upper

76 100

78 8.6 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.38

300000

250000

200000

150000

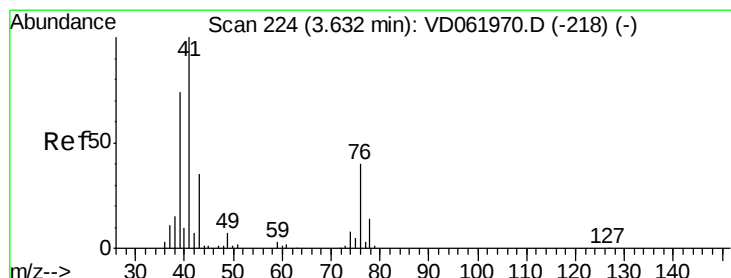
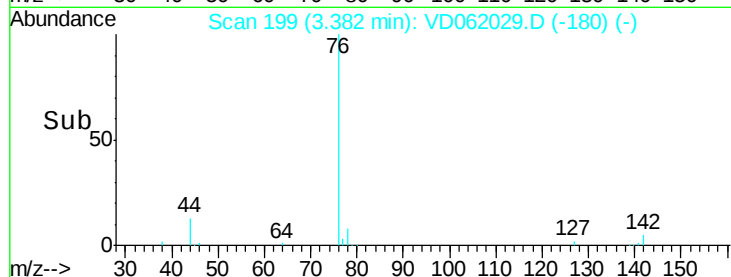
100000

50000

0

3.30 3.40 3.50 3.60

Time-->



#18

Methyl Acetate

Concen: 49.427 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD062029.D

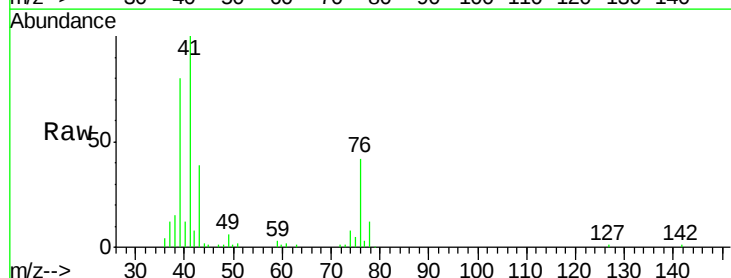
Acq: 25 Apr 2019 10:14

Tgt Ion: 43 Resp: 107964

Ion Ratio Lower Upper

43 100

74 19.5 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.64

40000

30000

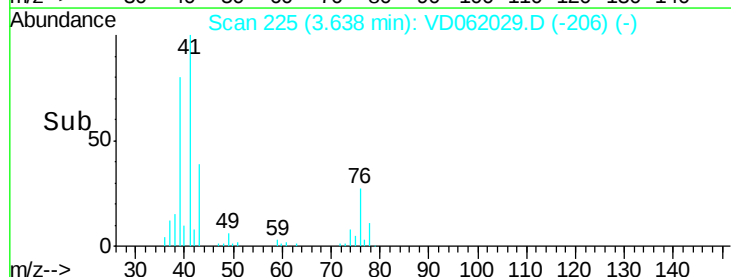
20000

10000

0

3.50 3.60 3.70 3.80

Time-->

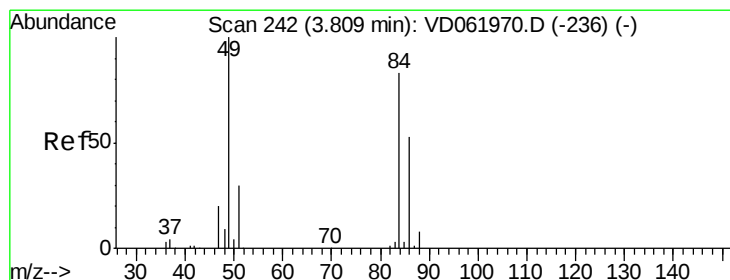
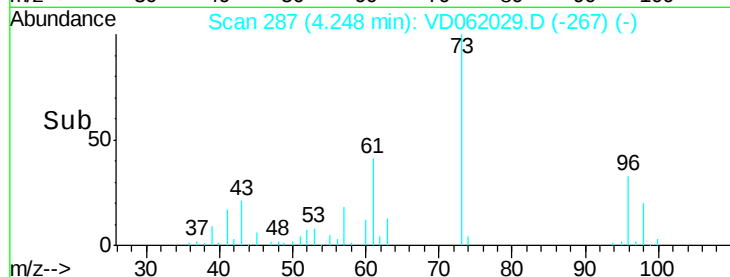
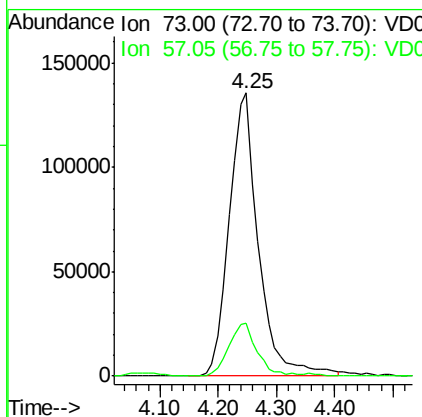
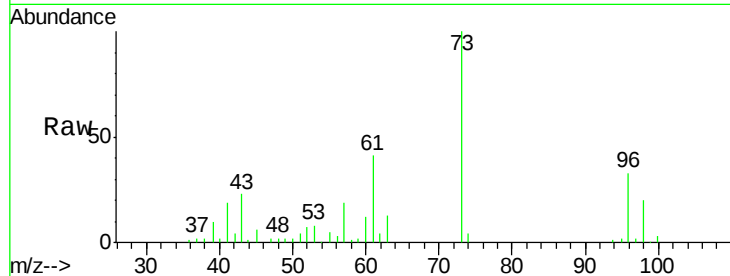




#19
Methyl tert-butyl Ether
Concen: 45.445 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.00 min
Lab File: VD062029.D
Acq: 25 Apr 2019 10:14

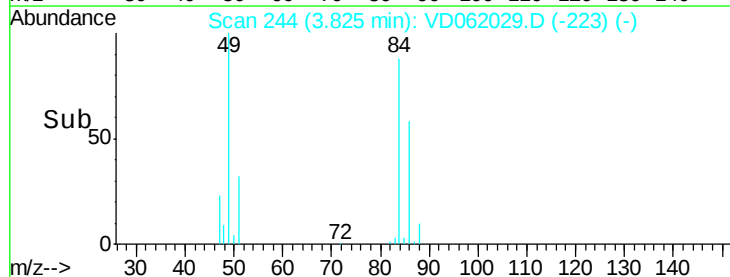
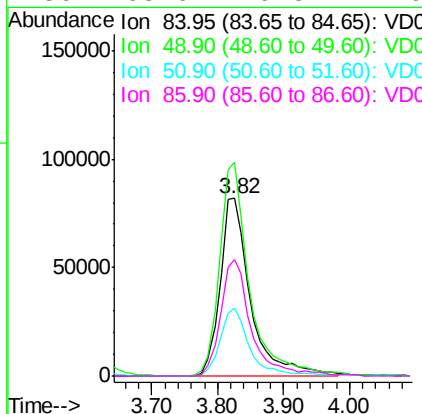
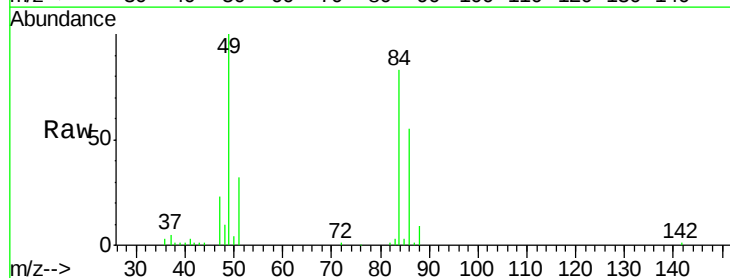
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

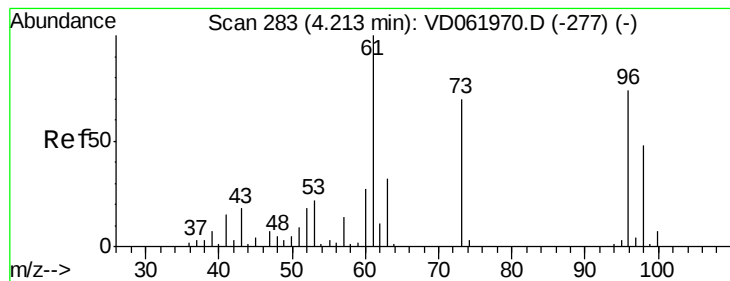
Tot Ion: 73 Resp: 473453
Ion Ratio Lower Upper
73 100
57 18.7 16.3 24.5



#20
Methylene Chloride
Concen: 44.915 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD062029.D
Acq: 25 Apr 2019 10:14

Tgt Ion: 84 Resp: 265121
Ion Ratio Lower Upper
84 100
49 120.2 94.0 141.0
51 38.5 29.0 43.4
86 65.6 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 42.721 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

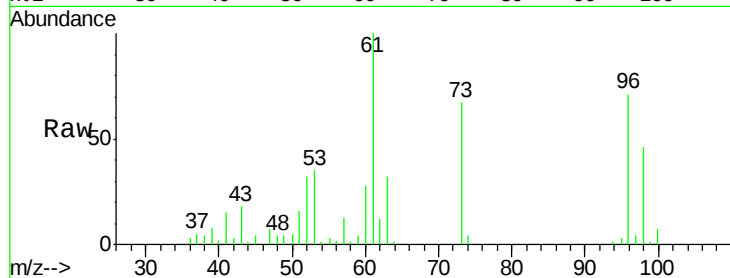
Tot Ion: 96 Resp: 257330

Ion Ratio Lower Upper

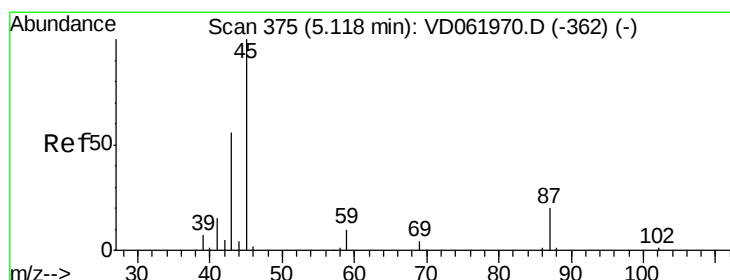
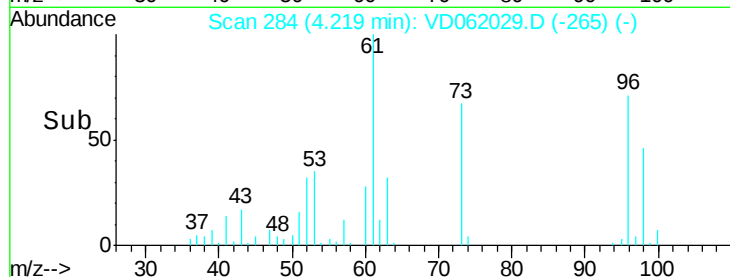
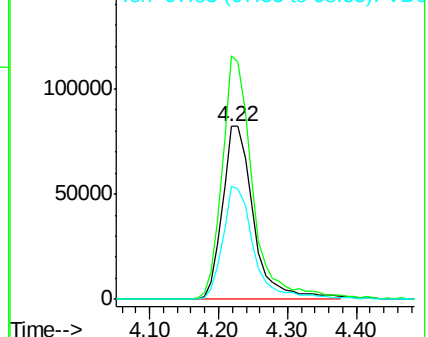
96 100

61 140.6 104.4 156.6

98 65.4 51.8 77.8



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



#22

Diisopropyl ether

Concen: 49.164 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

Tgt Ion: 45 Resp: 822989

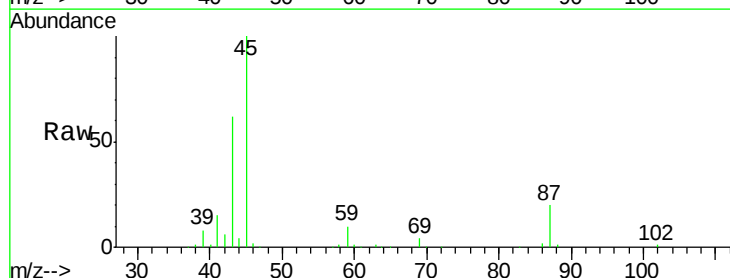
Ion Ratio Lower Upper

45 100

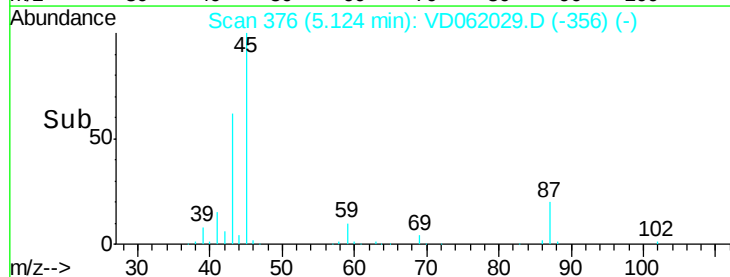
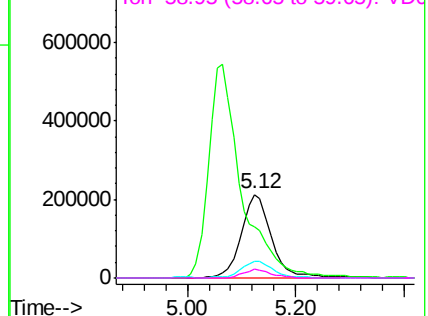
43 61.9 46.2 69.2

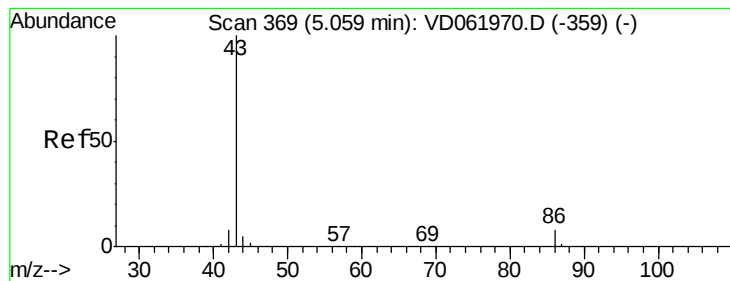
87 20.4 15.9 23.9

59 10.5 7.9 11.9



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





#23

Vinyl Acetate

Concen: 260.150 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

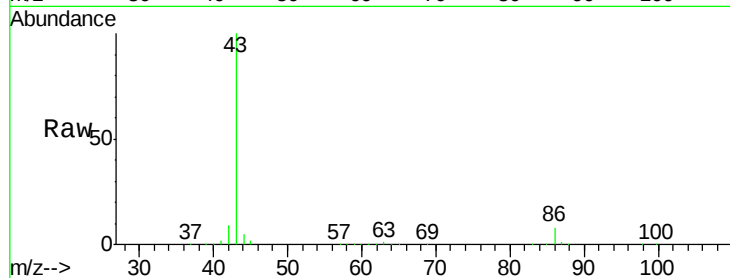
VSTDCCC050

Tot Ion: 43 Resp: 2267849

Ion Ratio Lower Upper

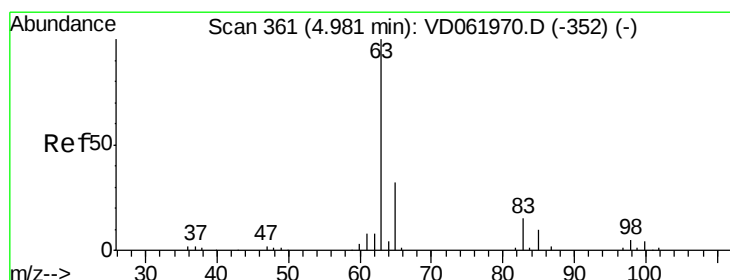
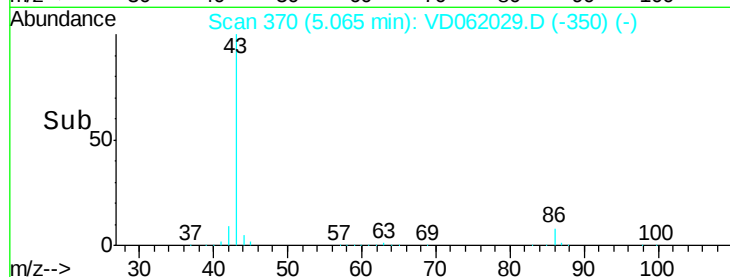
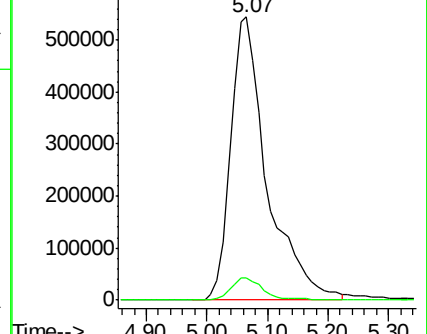
43 100

86 8.0 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 47.419 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.00 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

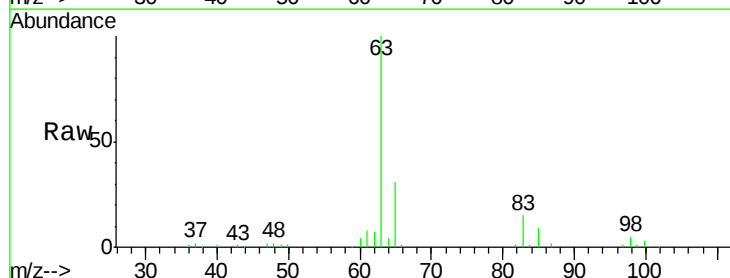
Tgt Ion: 63 Resp: 479763

Ion Ratio Lower Upper

63 100

98 5.1 2.8 8.4

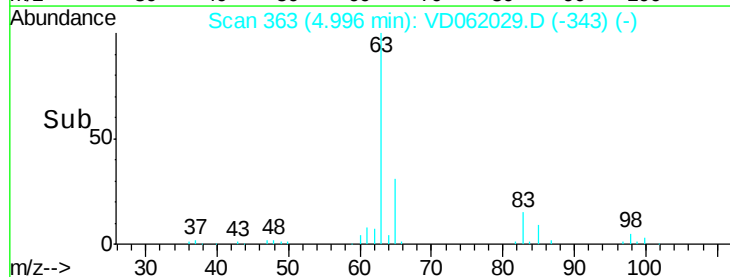
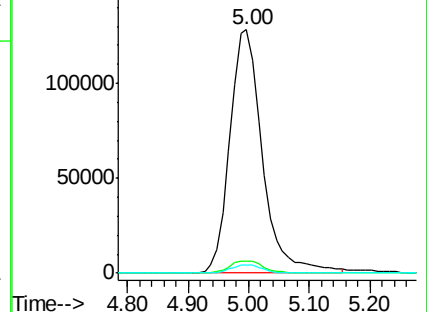
100 3.1 1.8 5.5

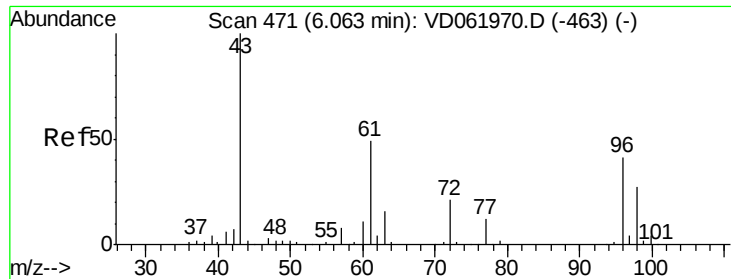


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 295.779 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.01 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

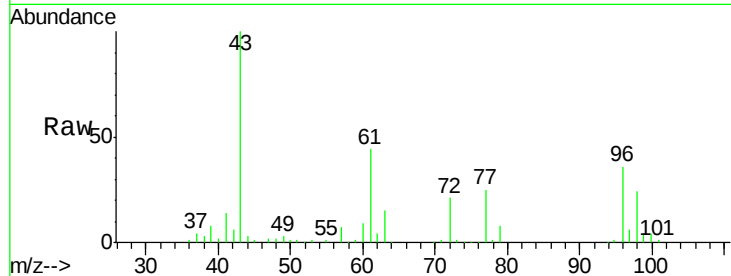
VSTDCCC050

Tot Ion: 43 Resp: 431697

Ion Ratio Lower Upper

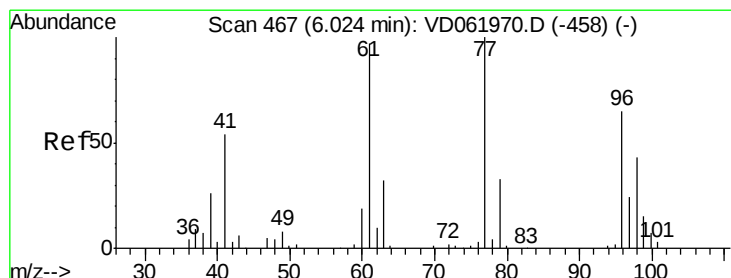
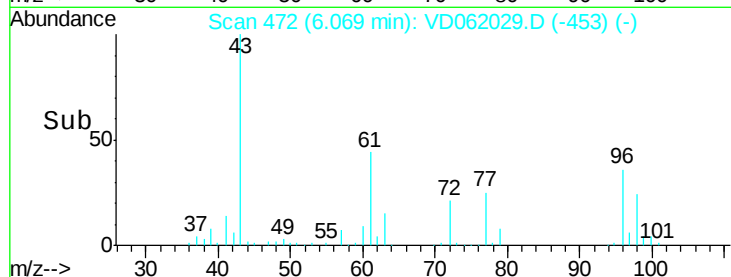
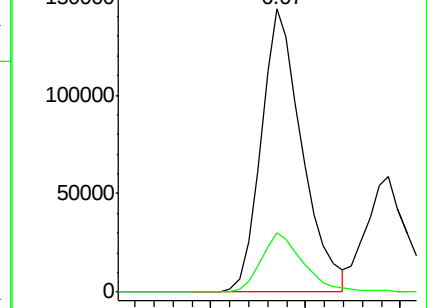
43 100

72 21.0 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 48.642 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD062029.D

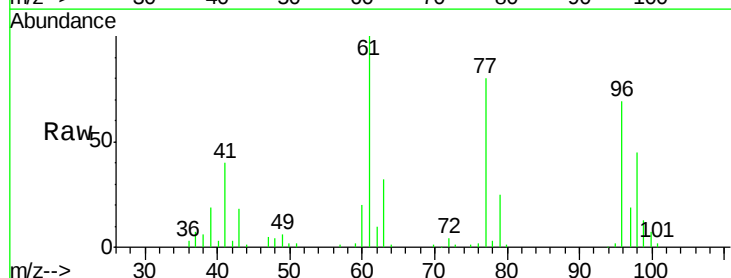
Acq: 25 Apr 2019 10:14

Tgt Ion: 77 Resp: 429339

Ion Ratio Lower Upper

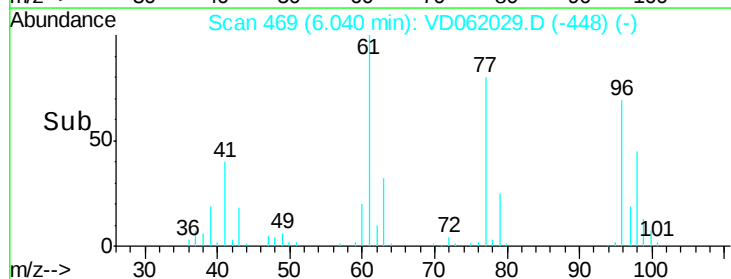
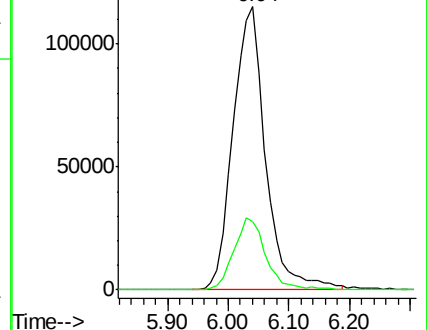
77 100

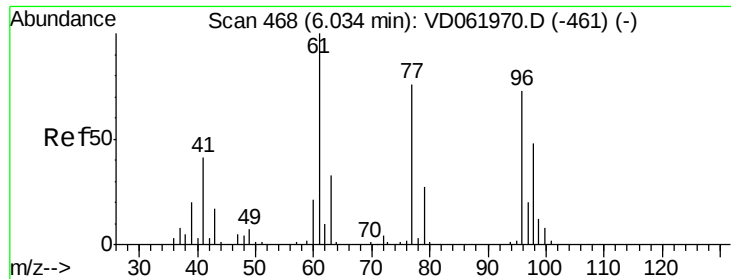
97 24.0 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



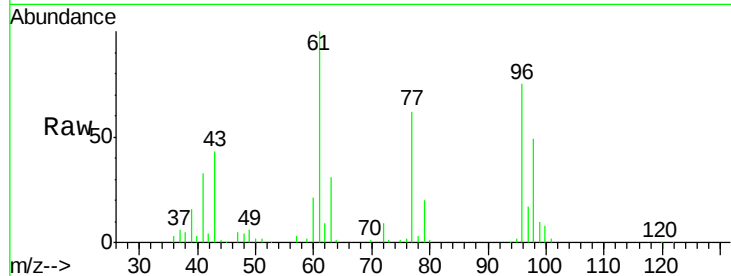


#27

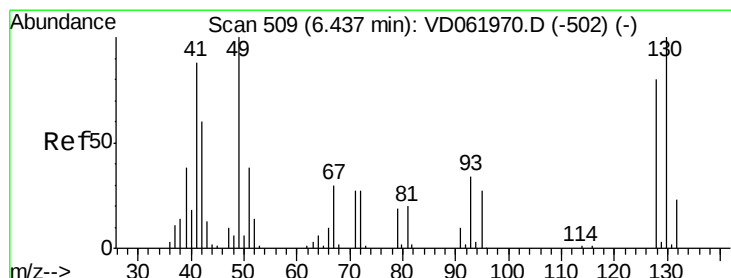
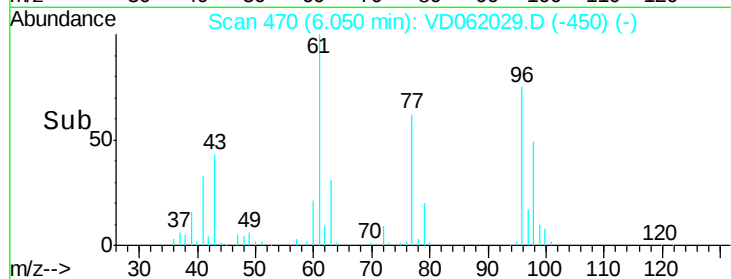
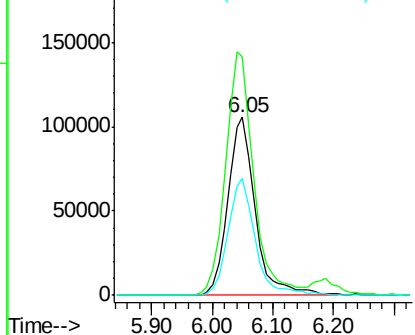
cis-1,2-Dichloroethene
Concen: 48.413 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.00 min
Lab File: VD062029.D
Acq: 25 Apr 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 331749
Ion Ratio Lower Upper
96 100
61 134.1 0.0 279.8
98 65.8 0.0 136.0



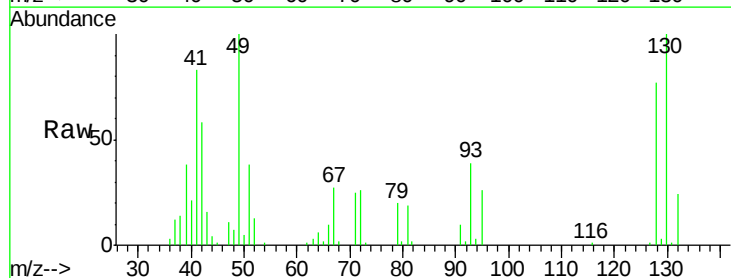
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



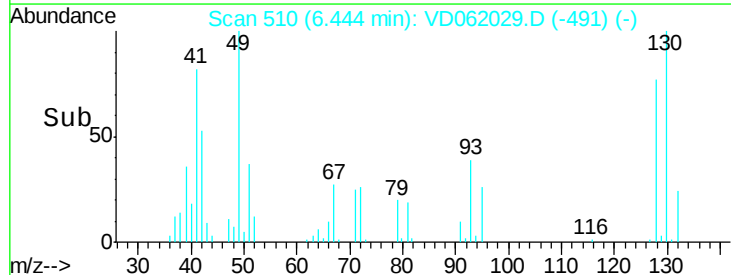
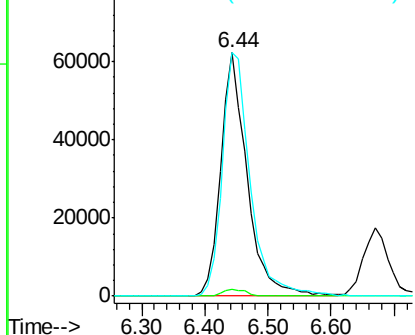
#28

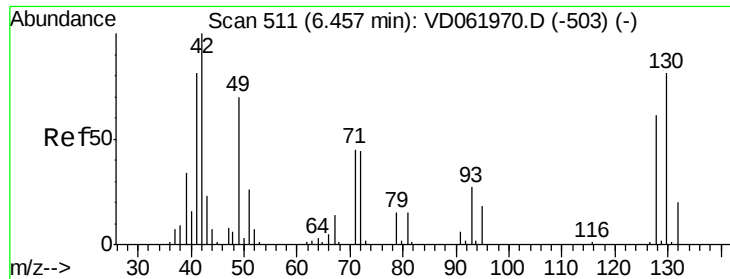
Bromochloromethane
Concen: 46.947 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD062029.D
Acq: 25 Apr 2019 10:14

Tgt Ion: 49 Resp: 181743
Ion Ratio Lower Upper
49 100
129 2.8 0.0 6.6
130 99.9 86.7 130.1



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

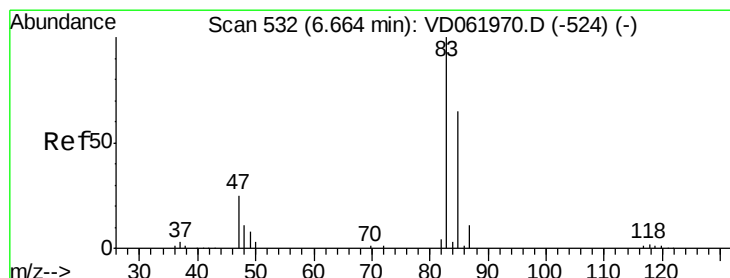
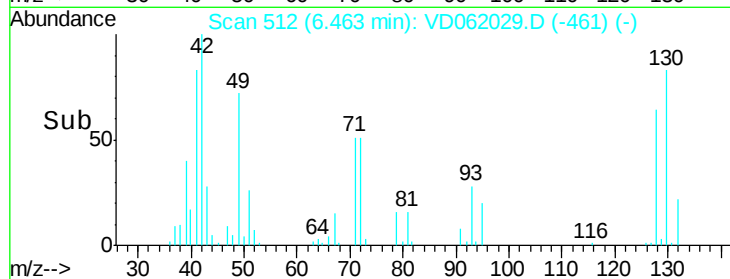
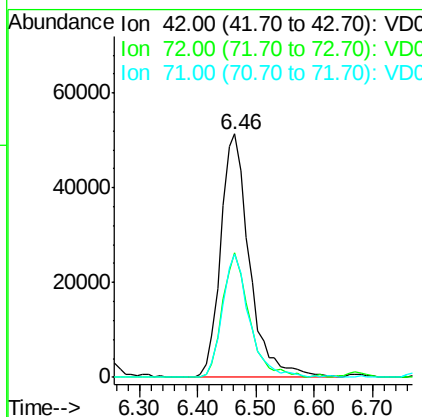
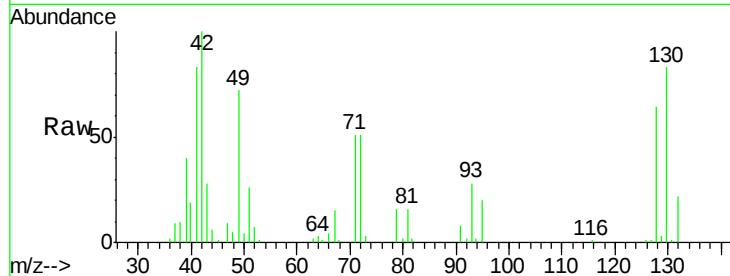




#29
Tetrahydrofuran
Concen: 244.813 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.00 min
Lab File: VD062029.D
Acq: 25 Apr 2019 10:14

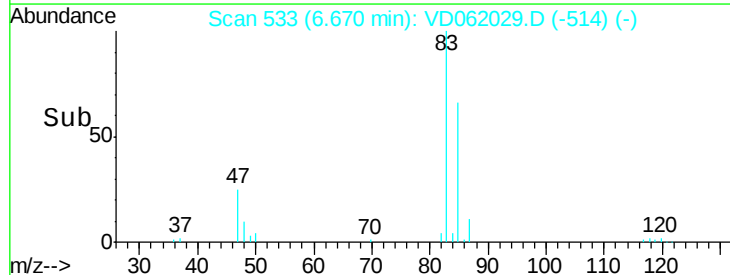
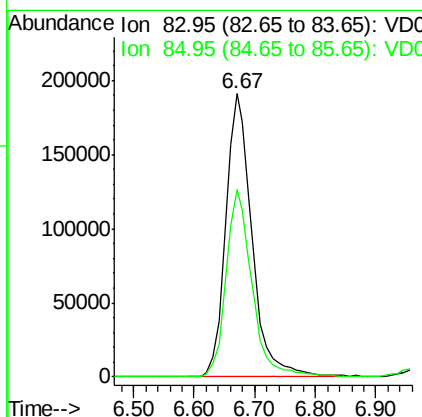
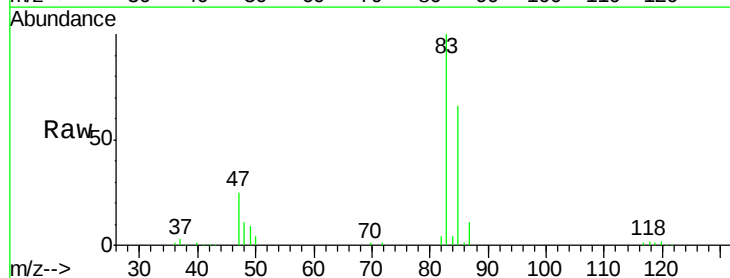
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

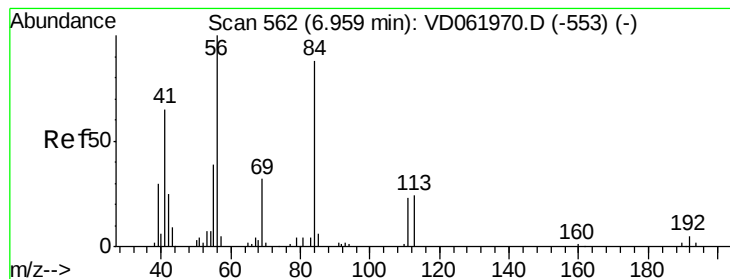
Tot Ion: 42 Resp: 176056
Ion Ratio Lower Upper
42 100
72 47.4 37.8 56.6
71 47.2 36.7 55.1



#30
Chloroform
Concen: 49.671 ug/l
RT: 6.67 min Scan# 533
Delta R.T. -0.01 min
Lab File: VD062029.D
Acq: 25 Apr 2019 10:14

Tgt Ion: 83 Resp: 570815
Ion Ratio Lower Upper
83 100
85 66.0 51.7 77.5





#31

Cyclohexane

Concen: 45.379 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.00 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

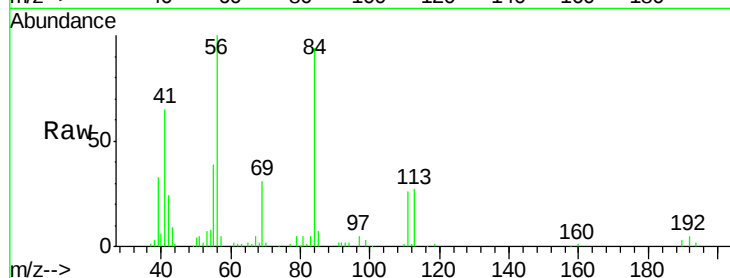
Tot Ion: 56 Resp: 340789

Ion Ratio Lower Upper

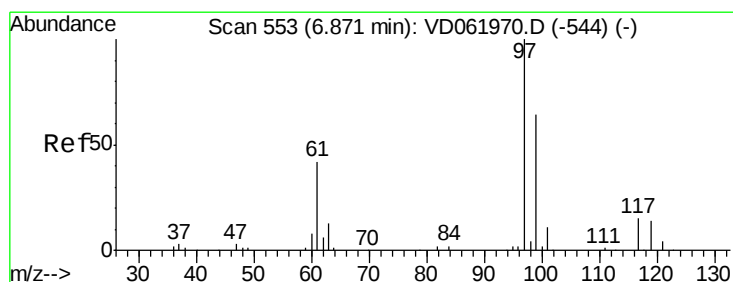
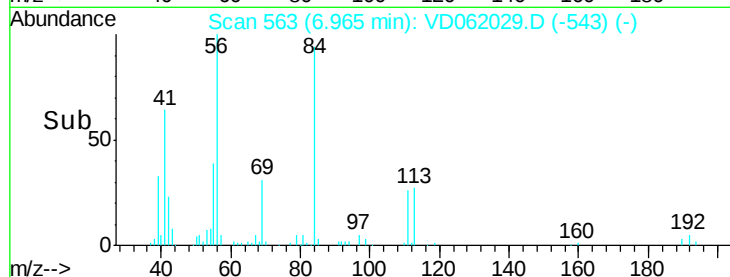
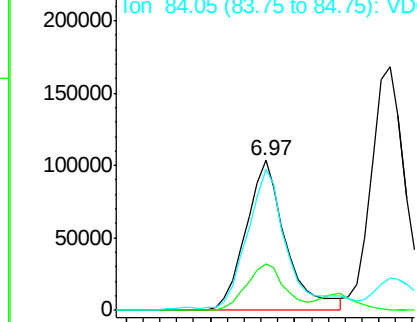
56 100

69 31.2 25.8 38.6

84 93.9 72.2 108.4



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 48.196 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.00 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

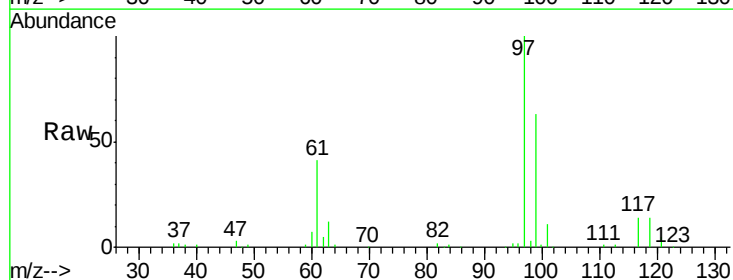
Tgt Ion: 97 Resp: 481907

Ion Ratio Lower Upper

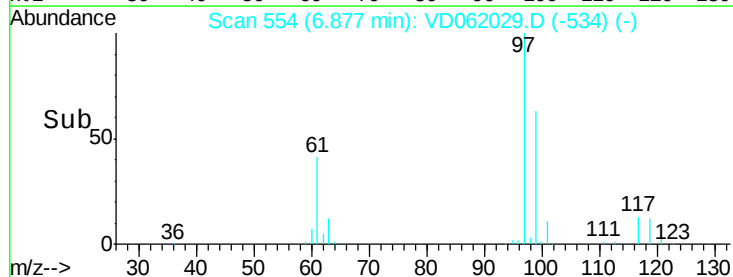
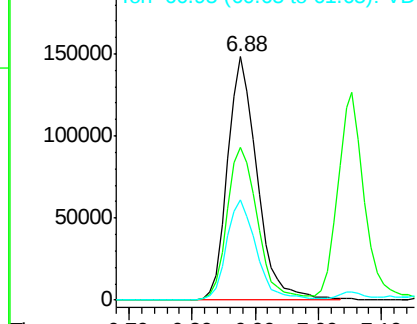
97 100

99 62.9 52.2 78.2

61 41.4 32.4 48.6



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

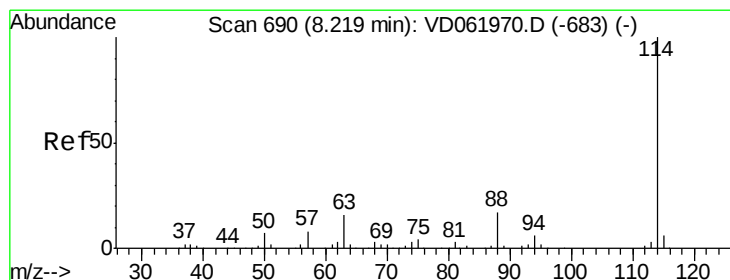
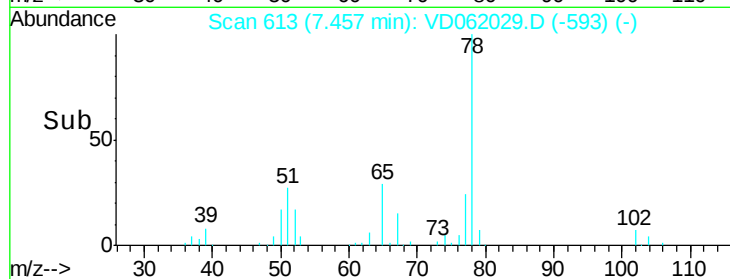
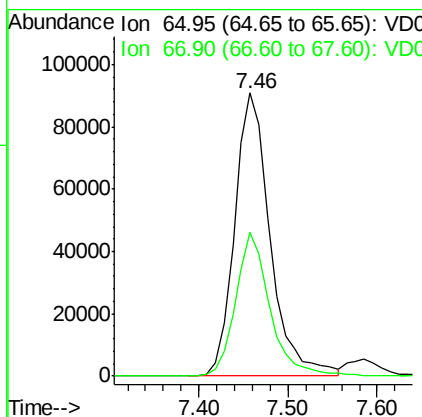
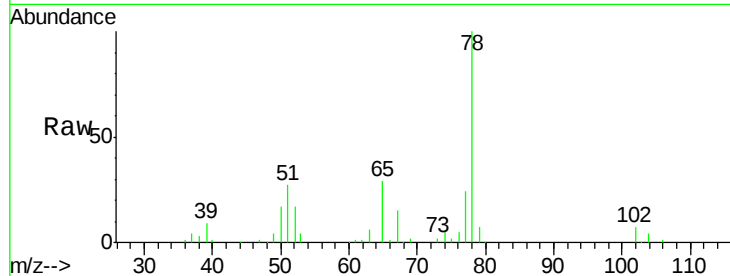




#33
 1,2-Dichloroethane-d4
 Concen: 49.971 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VD062029.D
 Acq: 25 Apr 2019 10:14

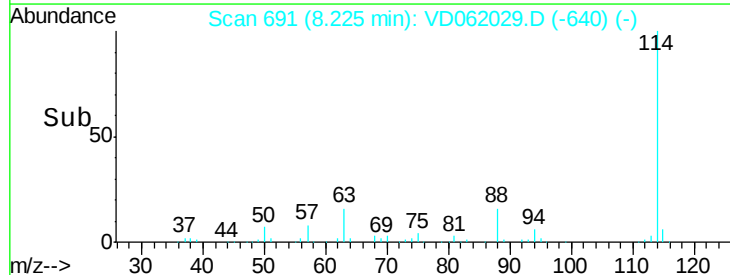
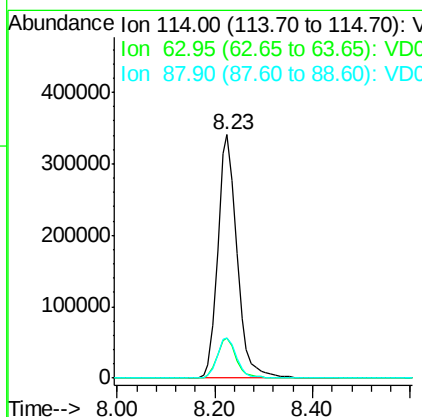
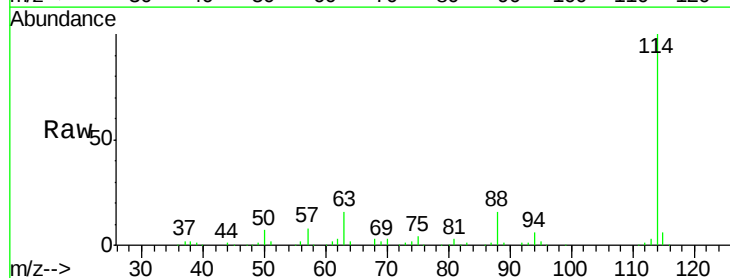
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

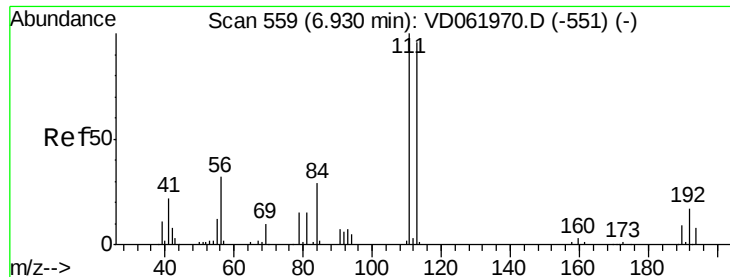
Tot Ion: 65 Resp: 251938
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VD062029.D
 Acq: 25 Apr 2019 10:14

Tgt Ion: 114 Resp: 933875
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 32.4
 88 16.5 0.0 33.6





#35

Dibromofluoromethane

Concen: 57.340 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

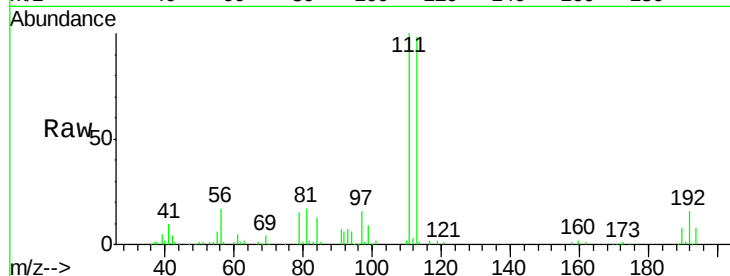
Tot Ion:113 Resp: 370337

Ion Ratio Lower Upper

113 100

111 102.0 78.5 117.7

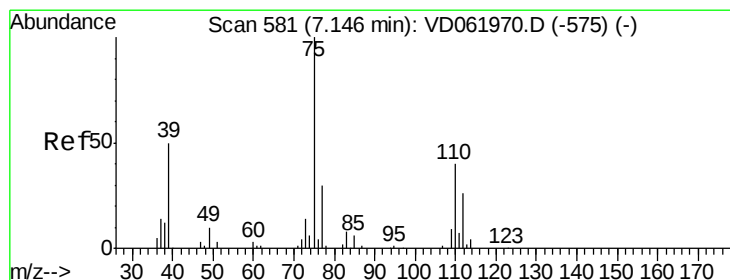
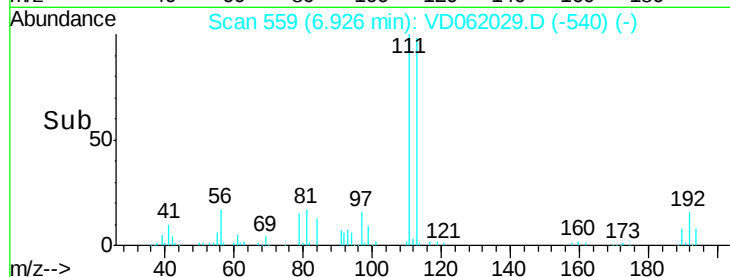
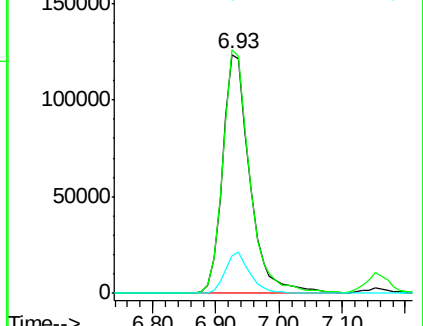
192 16.0 13.0 19.4



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: 54.120 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.00 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

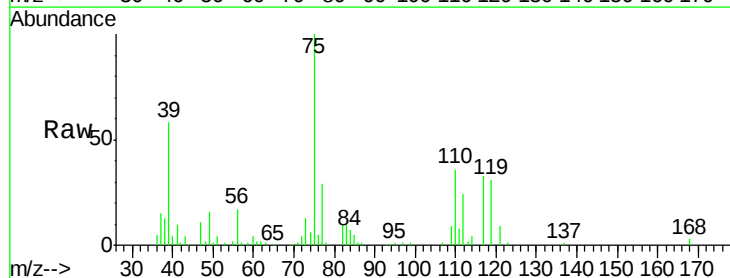
Tgt Ion: 75 Resp: 393769

Ion Ratio Lower Upper

75 100

110 35.8 19.1 57.1

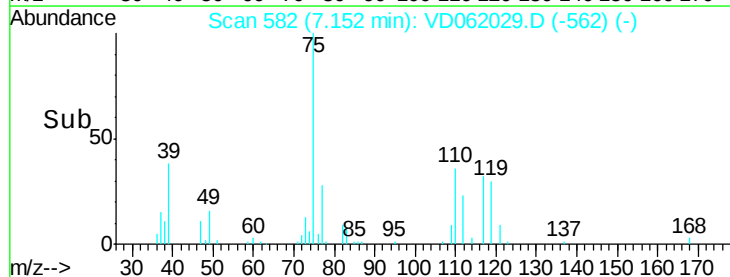
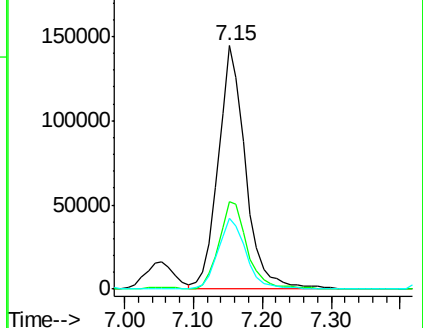
77 29.0 25.6 38.4

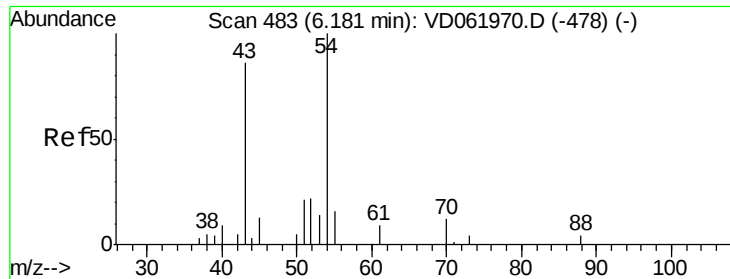


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

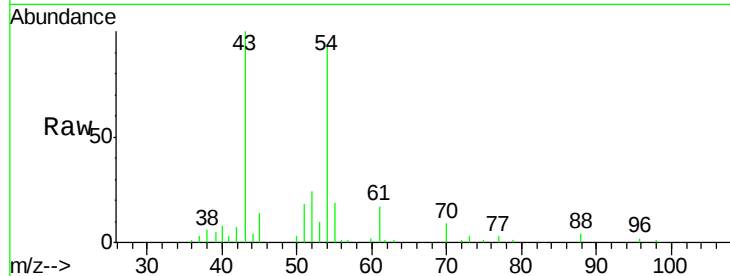




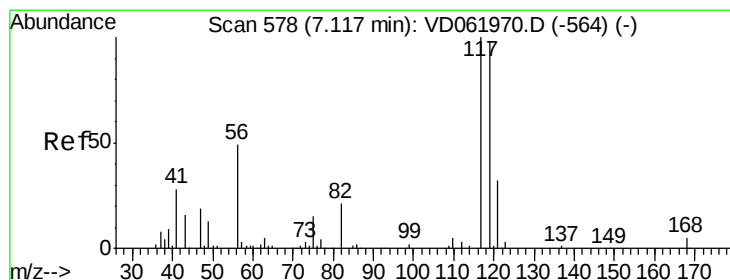
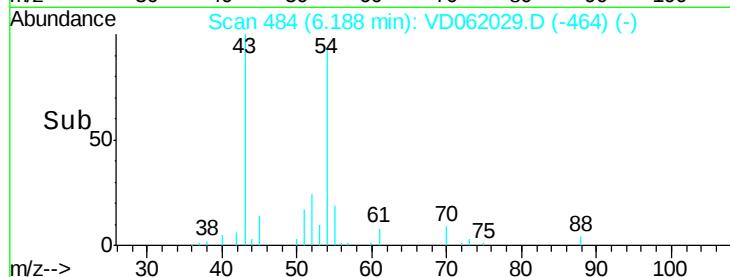
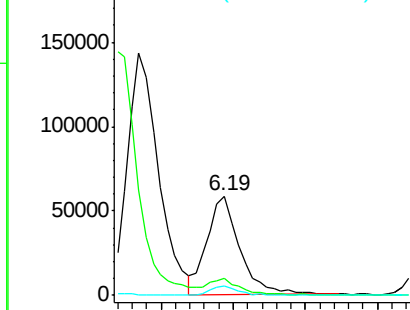
#37
Ethyl Acetate
Concen: 58.720 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.00 min
Lab File: VD062029.D
Acq: 25 Apr 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 182063
Ion Ratio Lower Upper
43 100
61 17.0 14.7 22.1
70 8.9 7.8 11.6

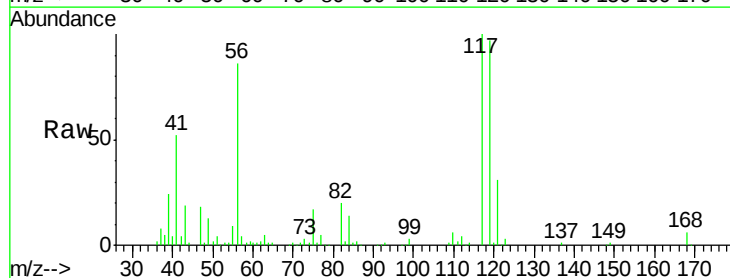


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

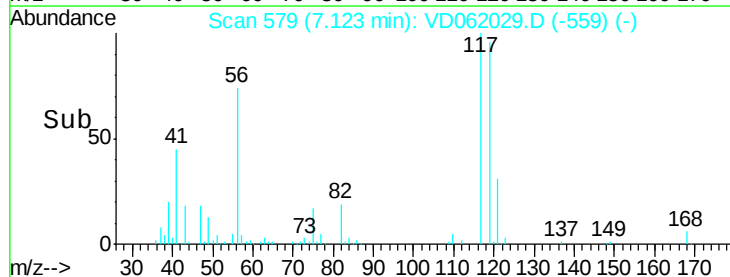
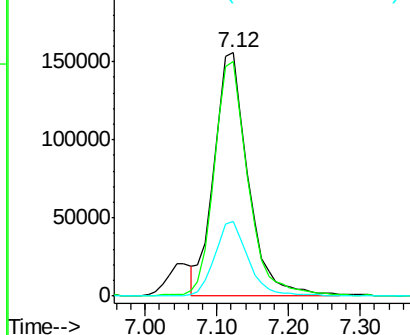


#38
Carbon Tetrachloride
Concen: 55.682 ug/l m
RT: 7.12 min Scan# 579
Delta R.T. 0.00 min
Lab File: VD062029.D
Acq: 25 Apr 2019 10:14

Tgt Ion: 117 Resp: 513374
Ion Ratio Lower Upper
117 100
119 96.5 75.8 113.8
121 30.8 25.9 38.9



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: 56.513 ug/l

RT: 8.88 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

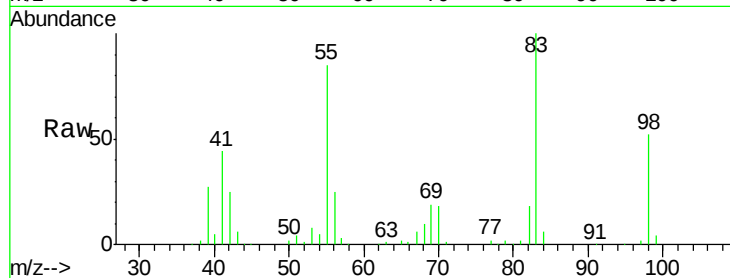
Tot Ion: 83 Resp: 405684

Ion Ratio Lower Upper

83 100

55 85.4 68.2 102.4

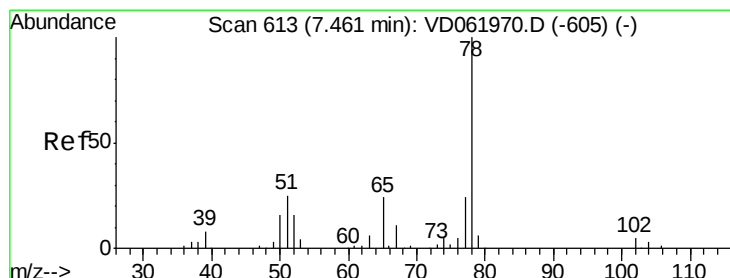
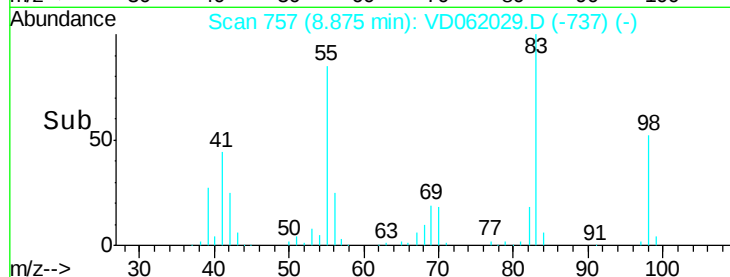
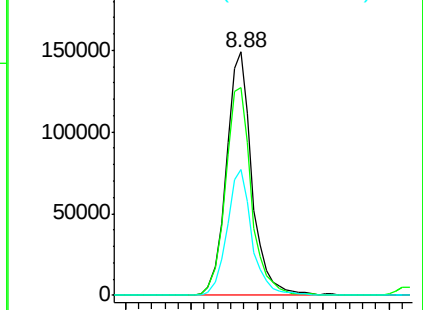
98 51.8 38.2 57.4



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: 49.182 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD062029.D

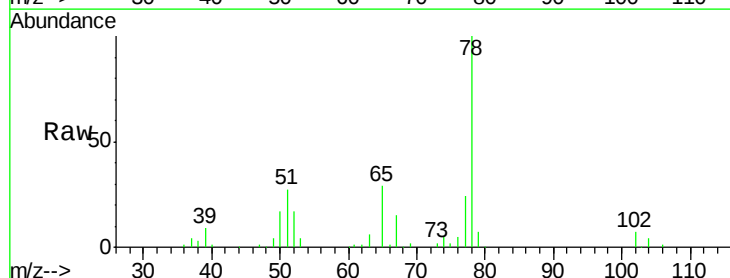
Acq: 25 Apr 2019 10:14

Tgt Ion: 78 Resp: 885901

Ion Ratio Lower Upper

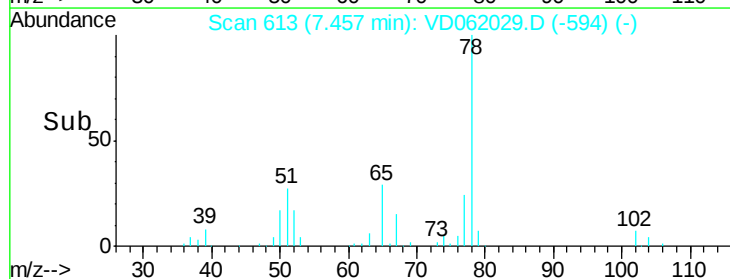
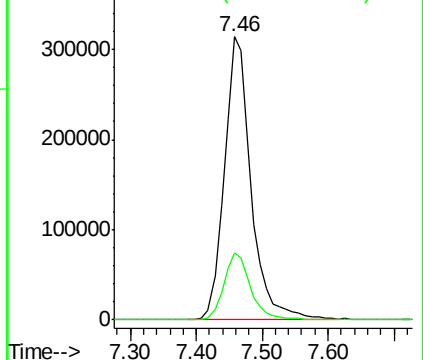
78 100

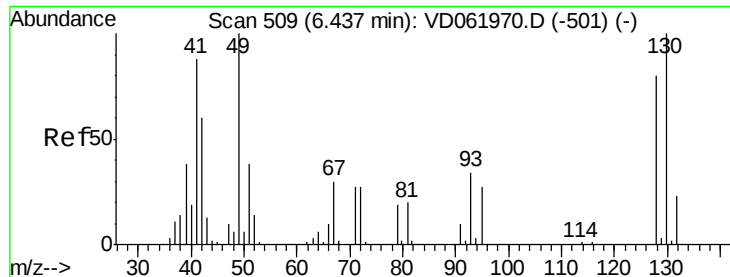
77 23.8 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

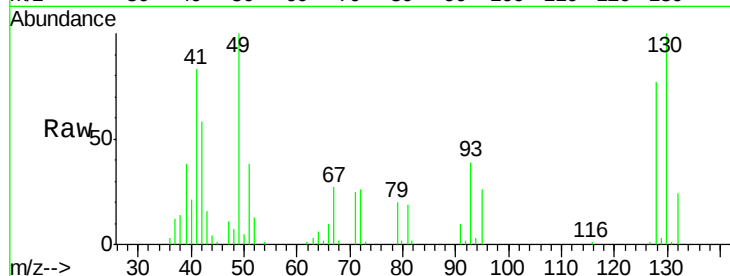




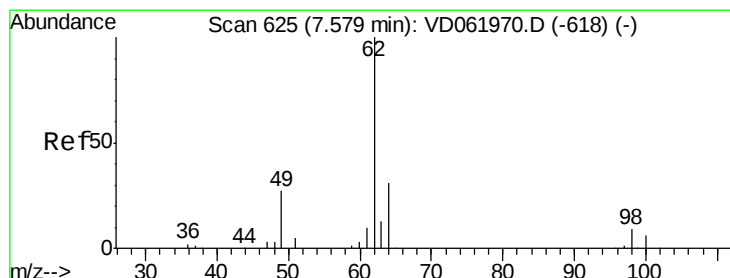
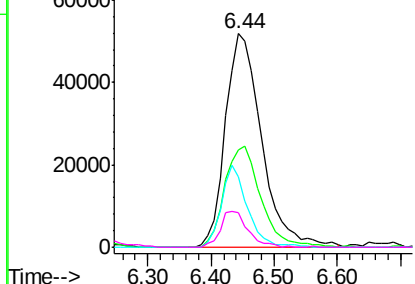
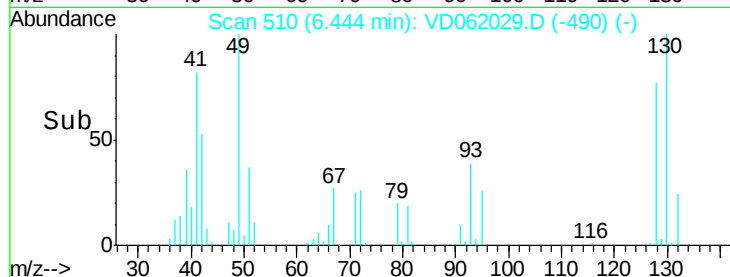
#41
Methacrylonitrile
Concen: 57.127 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD062029.D
Acq: 25 Apr 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 206664
Ion Ratio Lower Upper
41 100
39 45.3 34.1 51.1
67 33.0 23.8 35.6
52 15.9 8.8 13.2#

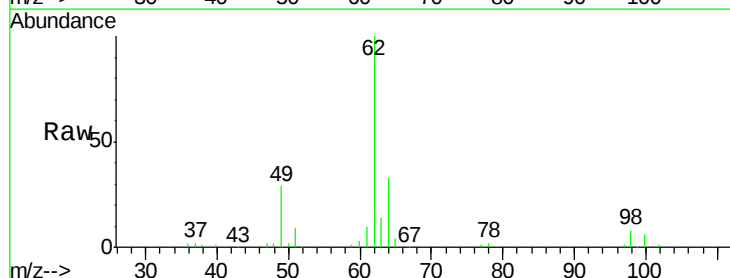


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

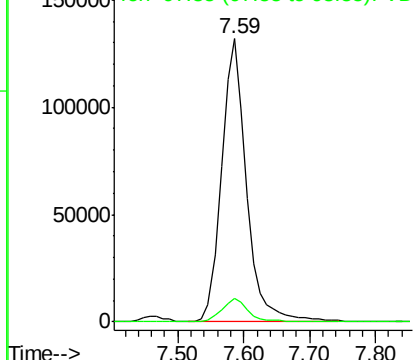
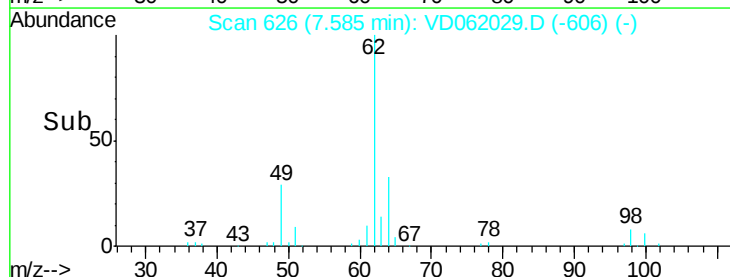


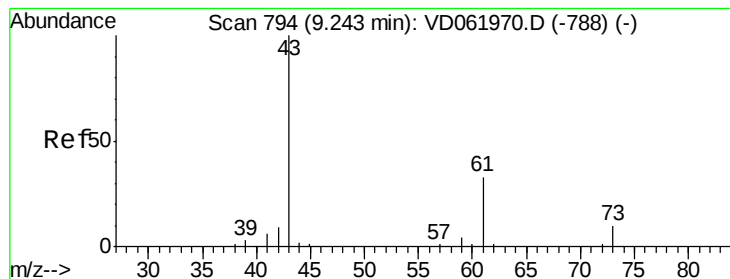
#42
1,2-Dichloroethane
Concen: 56.926 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.00 min
Lab File: VD062029.D
Acq: 25 Apr 2019 10:14

Tgt Ion: 62 Resp: 348159
Ion Ratio Lower Upper
62 100
98 8.2 0.0 17.8



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





#43

Isopropyl Acetate

Concen: 51.196 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.01 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

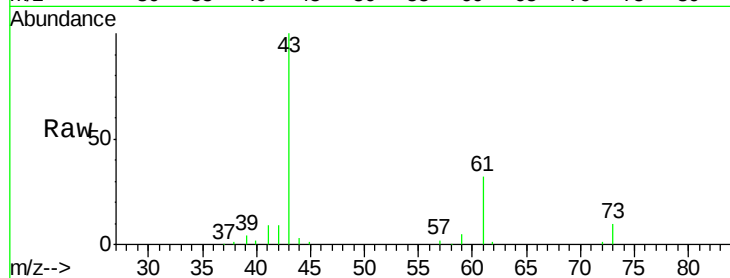
Tot Ion: 43 Resp: 231932

Ion Ratio Lower Upper

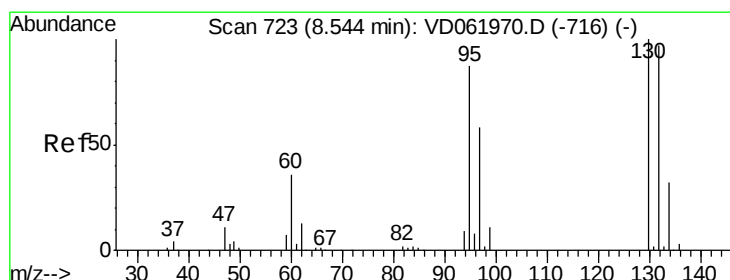
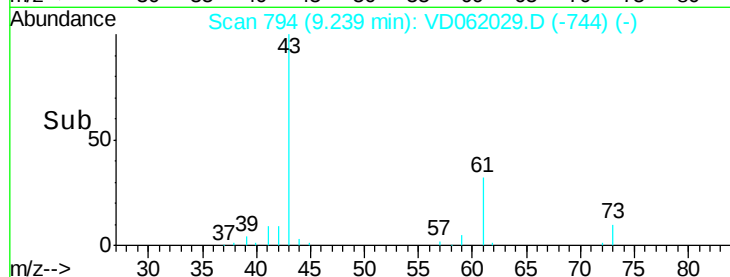
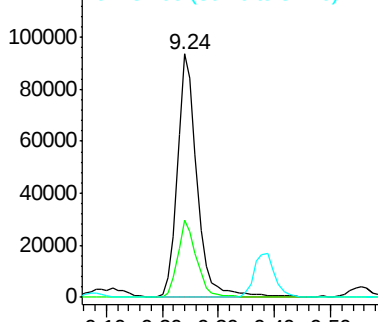
43 100

61 31.8 25.1 37.7

87 0.0 0.0 0.0



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: 53.994 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD062029.D

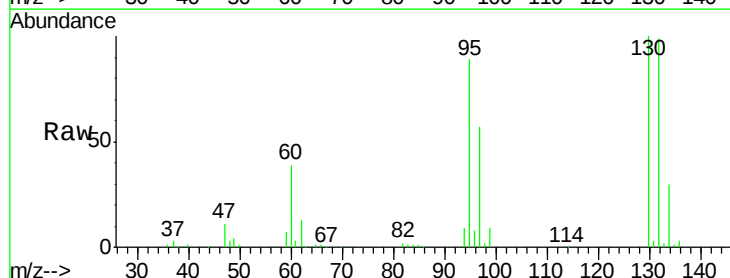
Acq: 25 Apr 2019 10:14

Tgt Ion:130 Resp: 377053

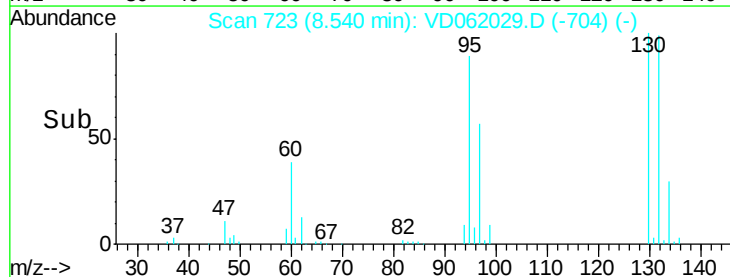
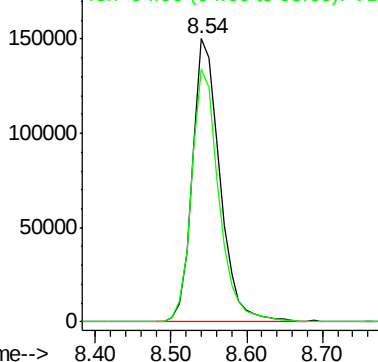
Ion Ratio Lower Upper

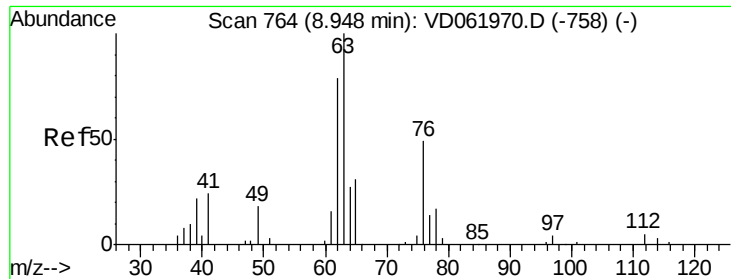
130 100

95 89.1 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 53.110 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

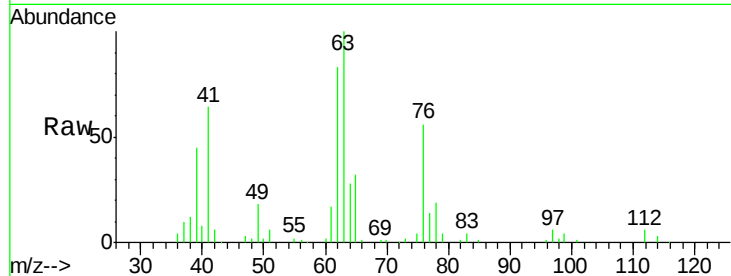
VSTDCCC050

Tot Ion: 63 Resp: 242695

Ion Ratio Lower Upper

63 100

65 32.1 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

100000

80000

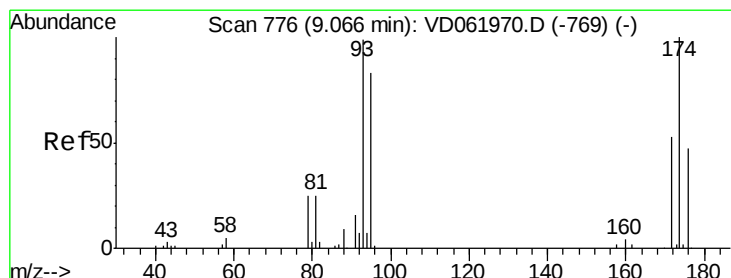
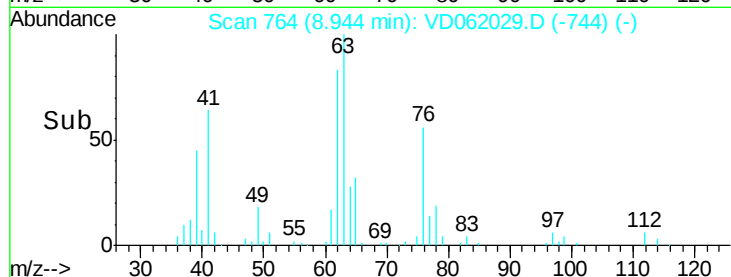
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 56.026 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.01 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

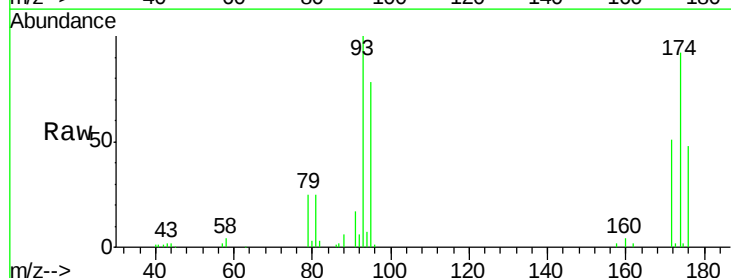
Tgt Ion: 93 Resp: 184221

Ion Ratio Lower Upper

93 100

95 78.2 64.8 97.2

174 91.7 79.3 118.9



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

9.06

100000

80000

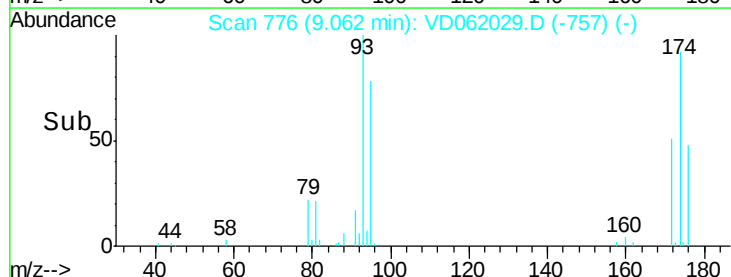
60000

40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 55.005 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.01 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

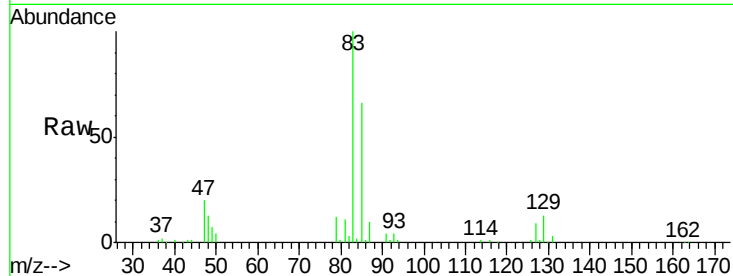
Tot Ion: 83 Resp: 427350

Ion Ratio Lower Upper

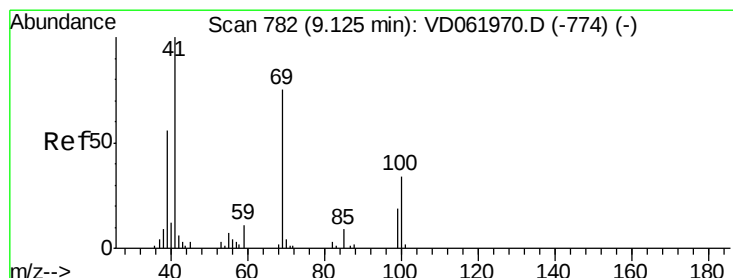
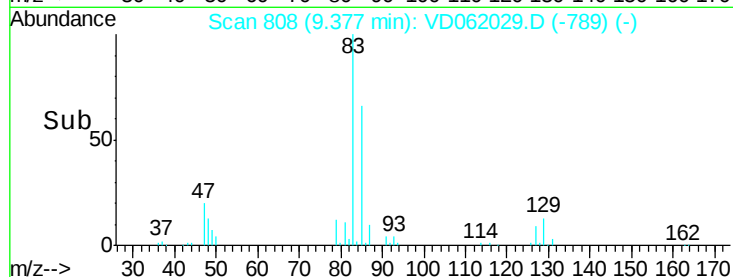
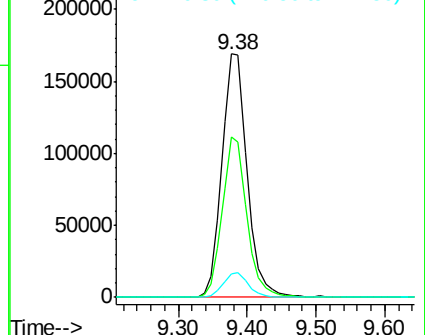
83 100

85 65.7 50.9 76.3

127 9.4 8.1 12.1



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: 57.044 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.00 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

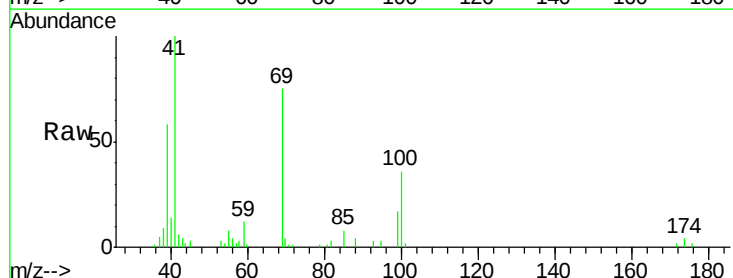
Tgt Ion: 41 Resp: 147444

Ion Ratio Lower Upper

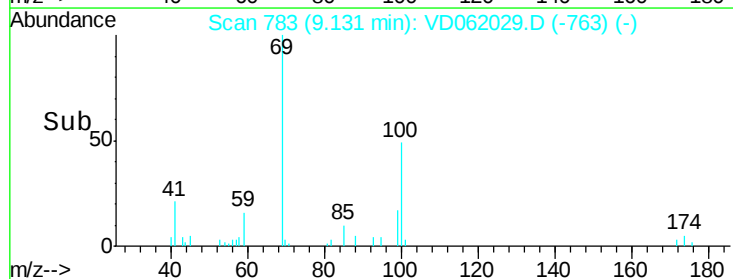
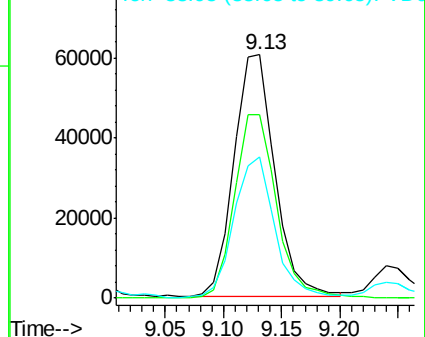
41 100

69 75.2 64.2 96.2

39 58.3 46.8 70.2



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

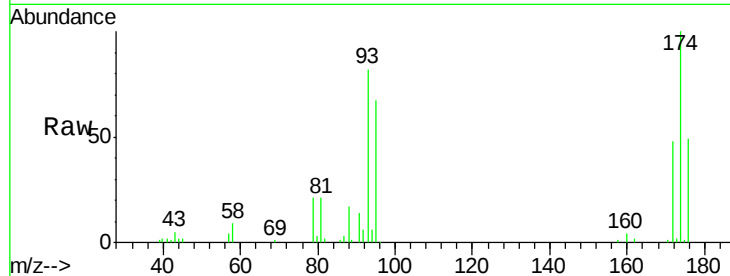




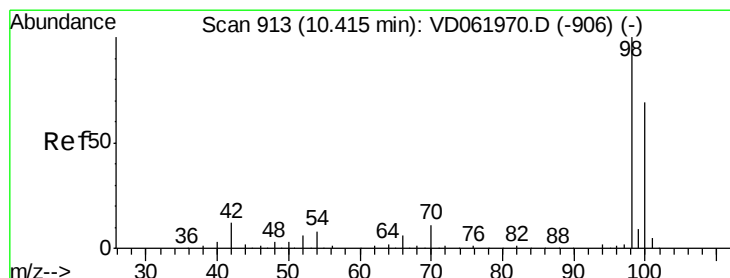
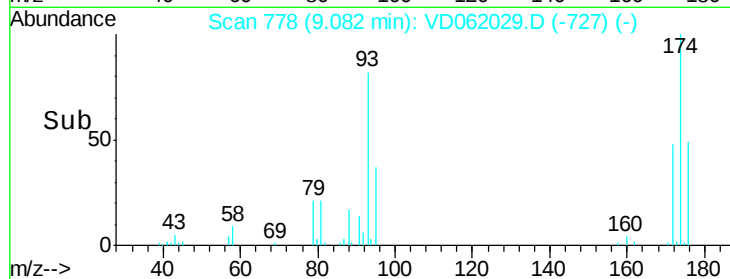
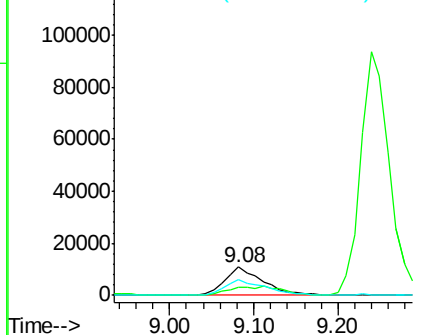
#49
1,4-Dioxane
Concen: 1216.491 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.00 min
Lab File: VD062029.D
Acq: 25 Apr 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 33900
Ion Ratio Lower Upper
88 100
43 29.7 23.4 35.0
58 53.5 44.0 66.0

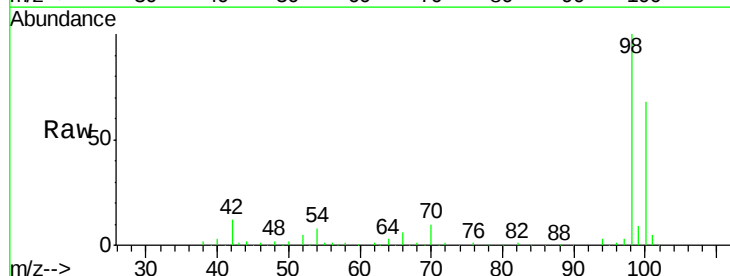


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

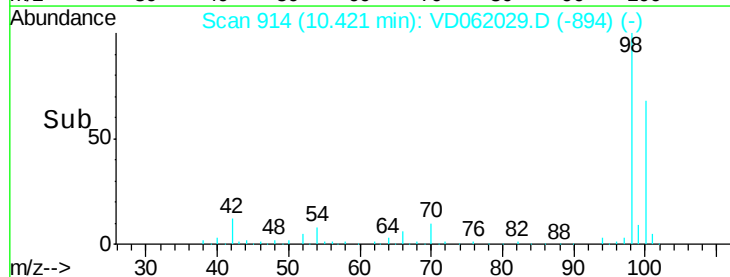
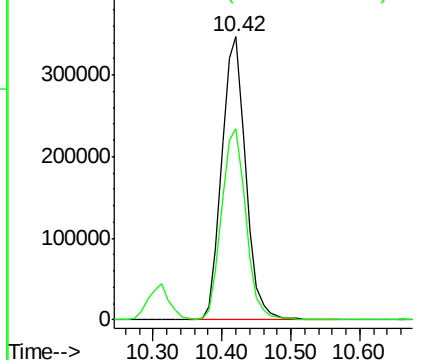


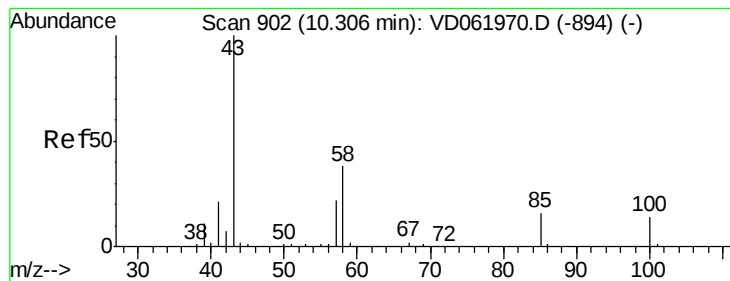
#50
Toluene-d8
Concen: 54.289 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD062029.D
Acq: 25 Apr 2019 10:14

Tgt Ion: 98 Resp: 834338
Ion Ratio Lower Upper
98 100
100 67.6 53.8 80.8



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





#51

4-Methyl-2-Pentanone

Concen: 284.333 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

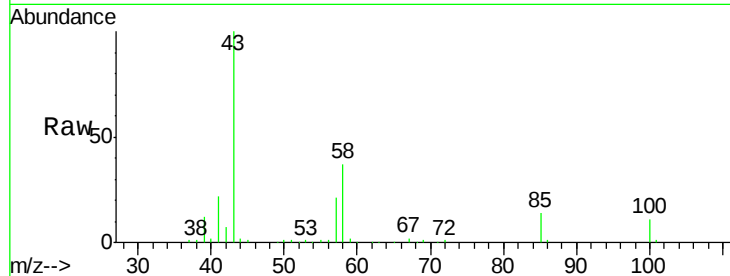
VSTDCCC050

Tot Ion: 43 Resp: 787754

Ion Ratio Lower Upper

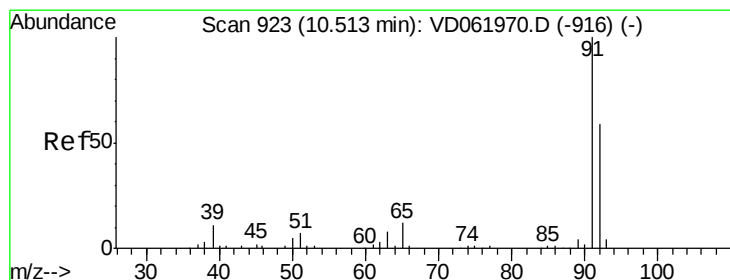
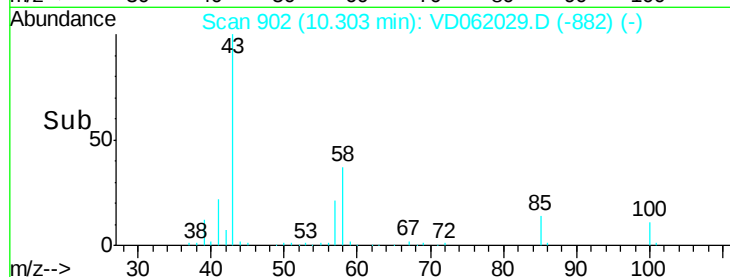
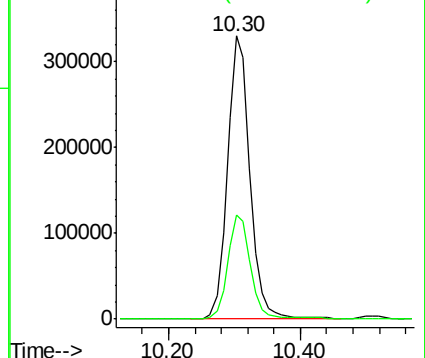
43 100

58 36.9 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 53.141 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.00 min

Lab File: VD062029.D

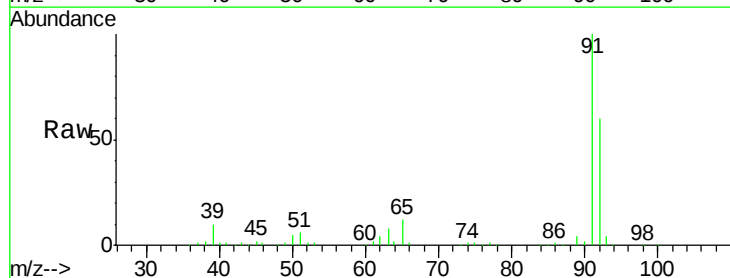
Acq: 25 Apr 2019 10:14

Tgt Ion: 92 Resp: 610330

Ion Ratio Lower Upper

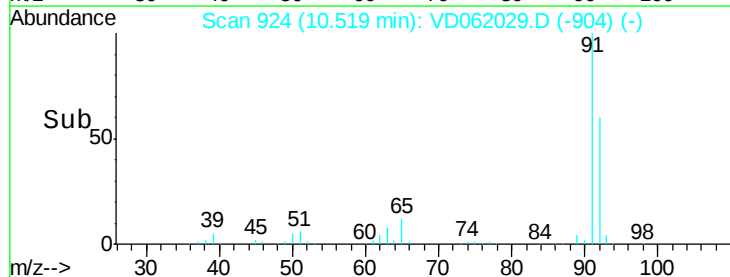
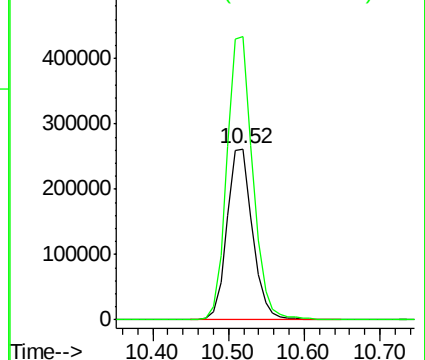
92 100

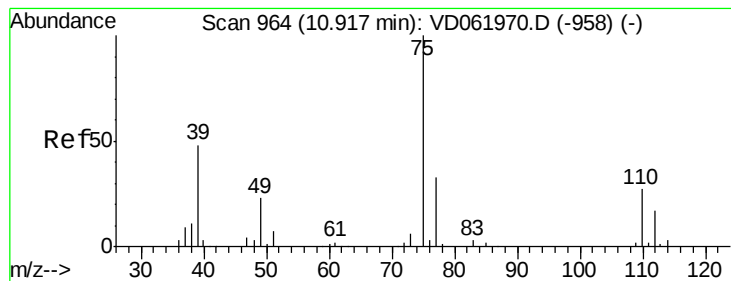
91 165.3 136.6 204.8



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: 57.832 ug/l

RT: 10.92 min Scan# 965

Delta R.T. 0.00 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

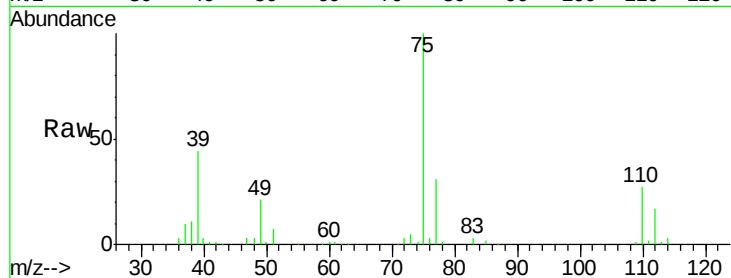
VSTDCCC050

Tot Ion: 75 Resp: 377145

Ion Ratio Lower Upper

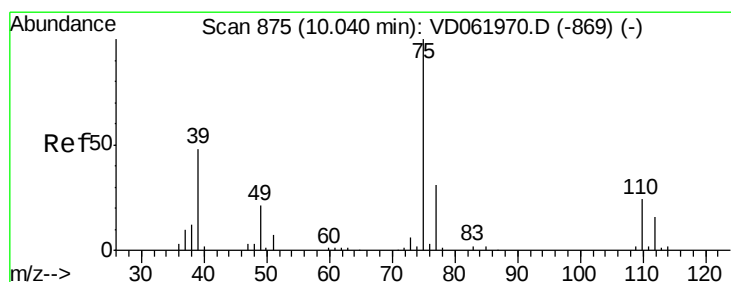
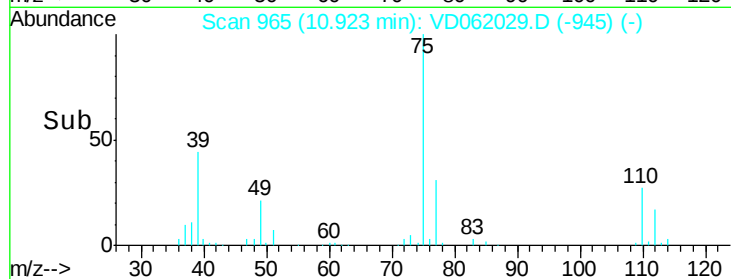
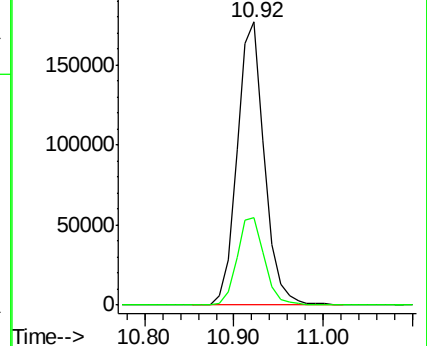
75 100

77 30.8 25.8 38.8



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: 58.286 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.00 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

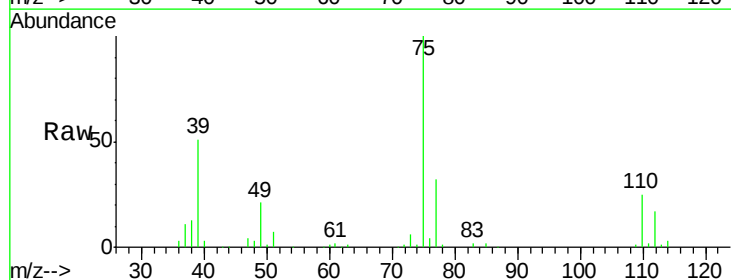
Tgt Ion: 75 Resp: 462304

Ion Ratio Lower Upper

75 100

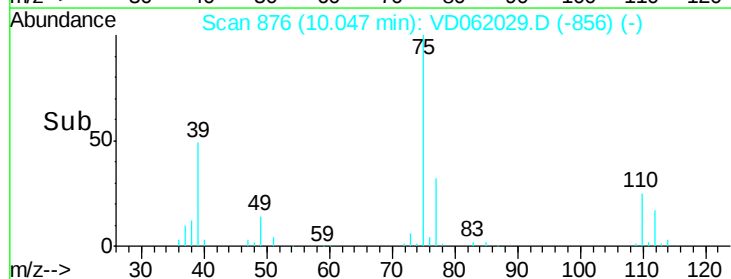
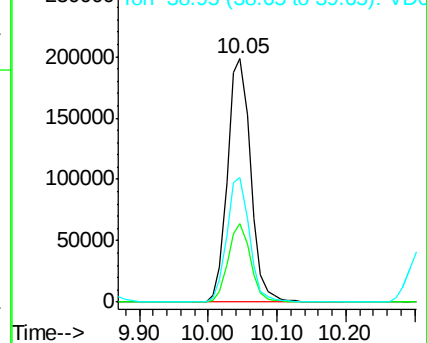
77 32.5 25.5 38.3

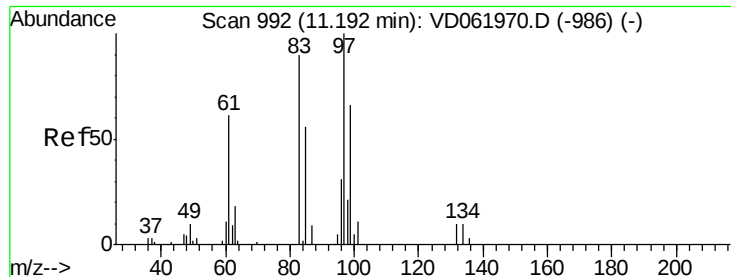
39 51.0 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



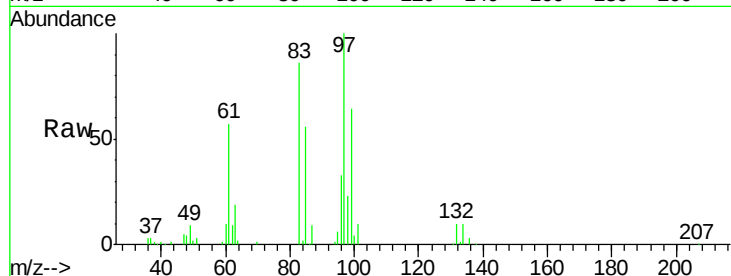


#55
 1,1,2-Trichloroethane
 Concen: 57.597 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VD062029.D
 Acq: 25 Apr 2019 10:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 222082

Ion	Ratio	Lower	Upper
97	100		
83	85.9	65.7	98.5
85	55.7	45.6	68.4
99	64.1	48.4	72.6

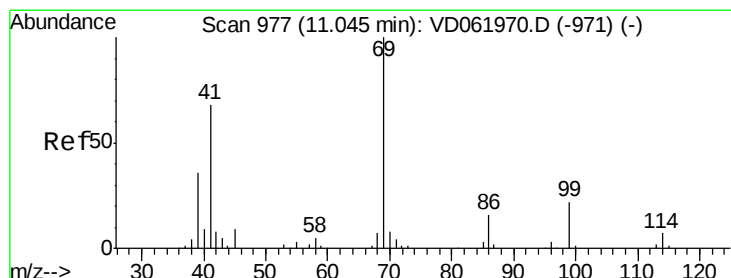
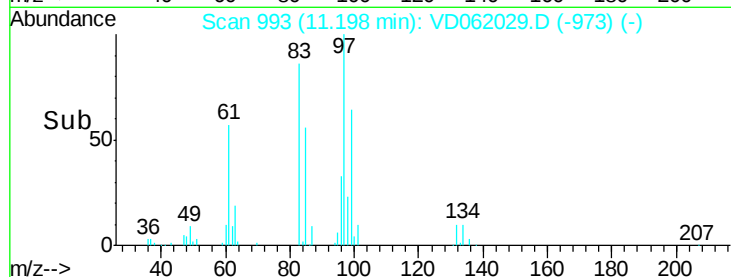
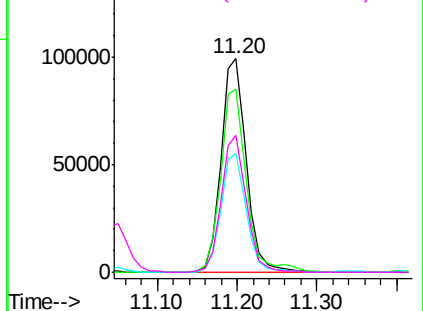


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

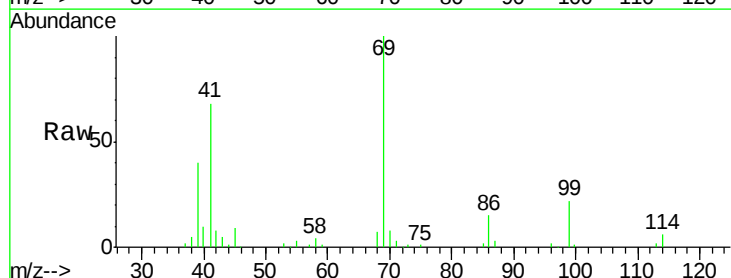
Ion 98.85 (98.55 to 99.55): VDC



#56
 Ethyl methacrylate
 Concen: 51.508 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VD062029.D
 Acq: 25 Apr 2019 10:14

Tgt Ion: 69 Resp: 219962

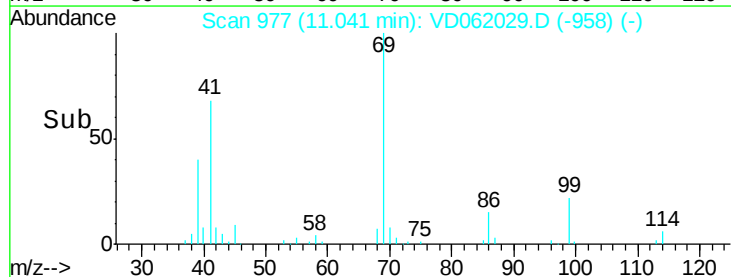
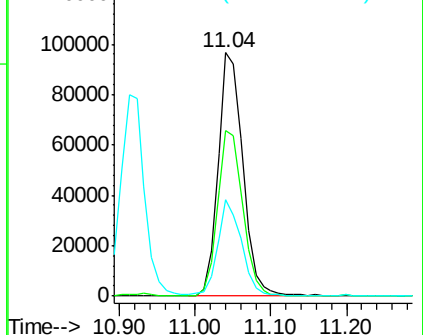
Ion	Ratio	Lower	Upper
69	100		
41	68.2	56.3	84.5
39	39.7	29.4	44.2

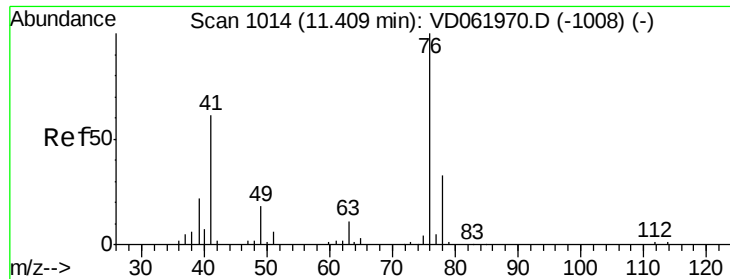


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

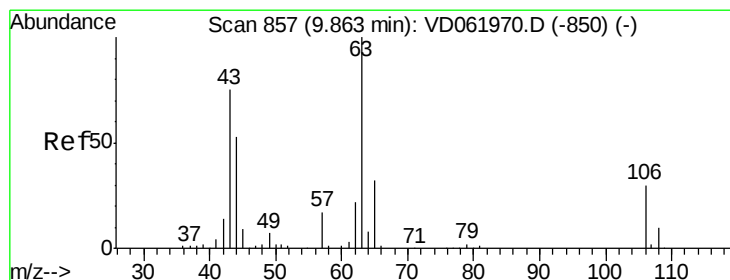
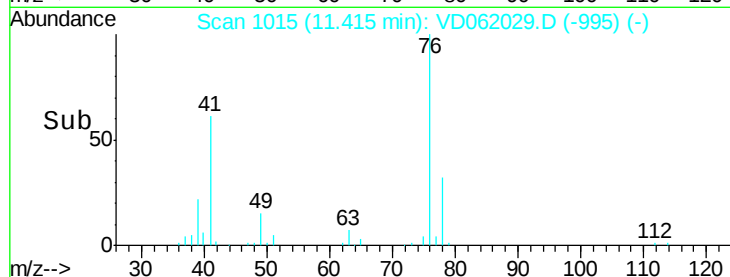
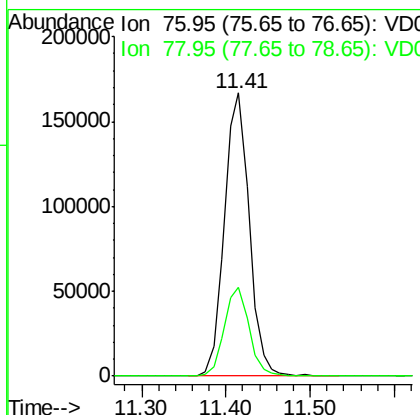
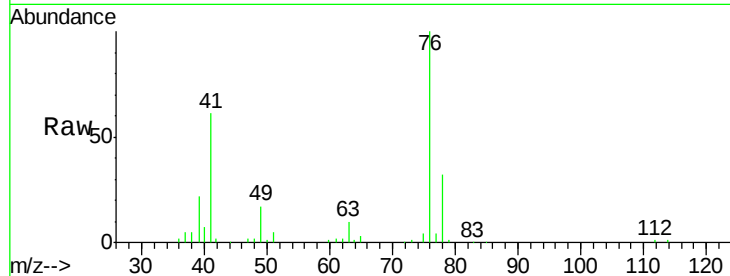




#57
 1,3-Dichloropropane
 Concen: 57.068 ug/l
 RT: 11.41 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VD062029.D
 Acq: 25 Apr 2019 10:14

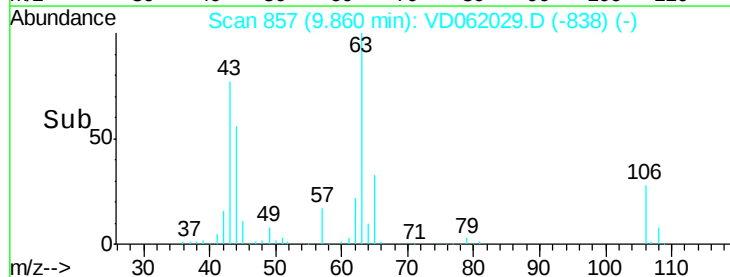
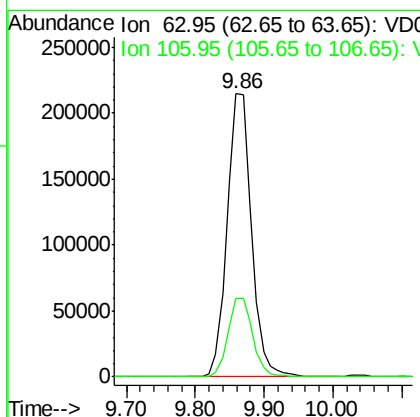
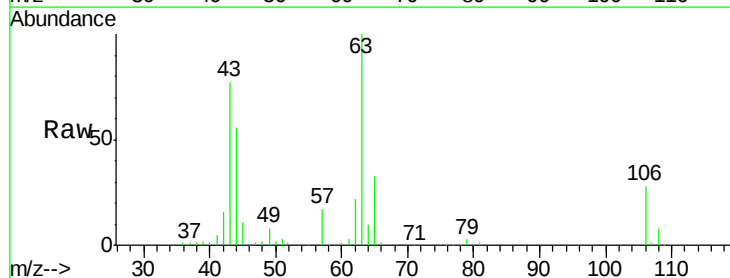
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

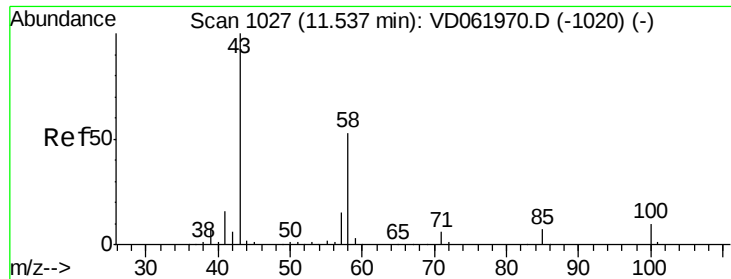
Tot Ion: 76 Resp: 339852
 Ion Ratio Lower Upper
 76 100
 78 31.5 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.478 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VD062029.D
 Acq: 25 Apr 2019 10:14

Tgt Ion: 63 Resp: 525109
 Ion Ratio Lower Upper
 63 100
 106 27.8 22.6 34.0

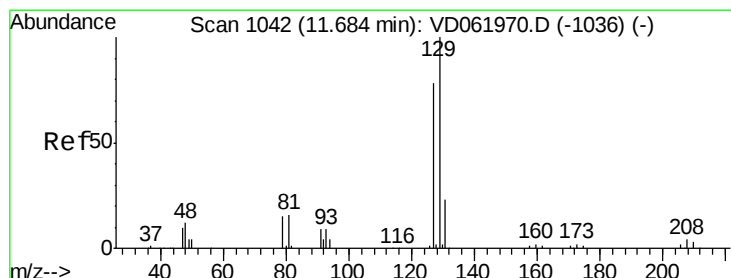
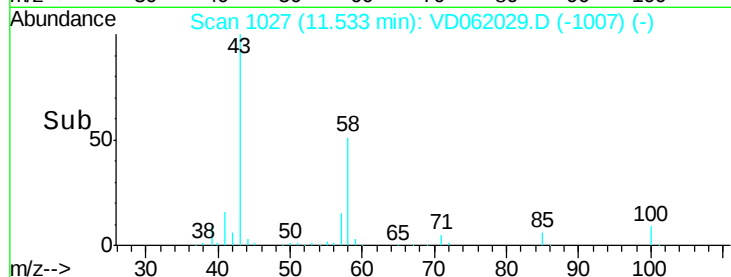
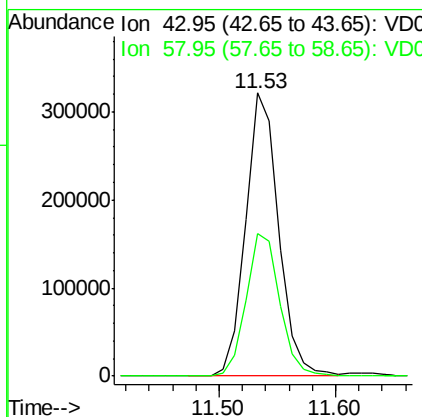
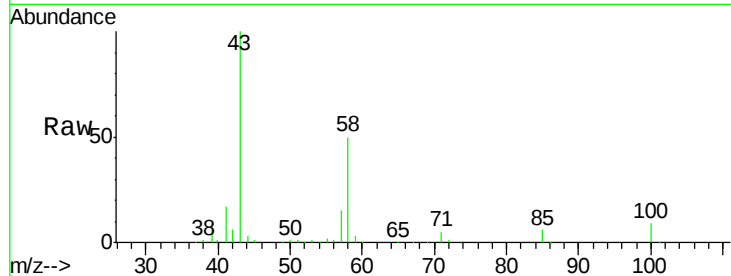




#59
2-Hexanone
Concen: 303.109 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD062029.D
Acq: 25 Apr 2019 10:14

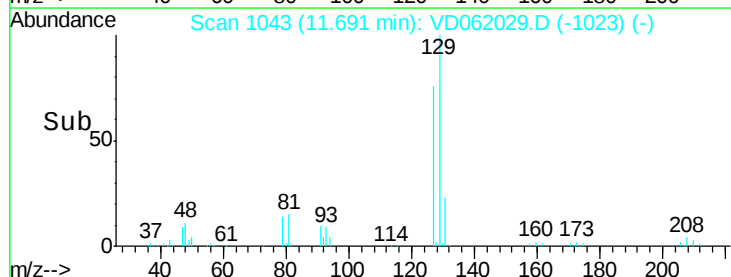
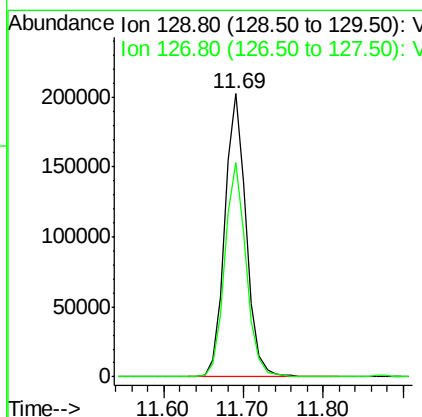
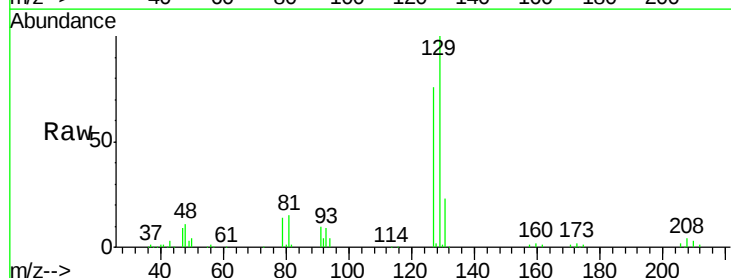
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

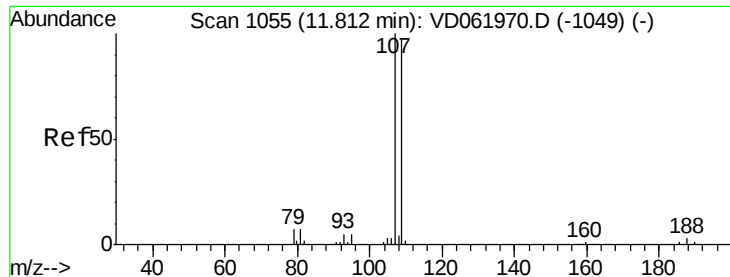
Tot Ion: 43 Resp: 629950
Ion Ratio Lower Upper
43 100
58 50.5 25.4 76.4



#60
Dibromochloromethane
Concen: 59.886 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD062029.D
Acq: 25 Apr 2019 10:14

Tgt Ion: 129 Resp: 382070
Ion Ratio Lower Upper
129 100
127 75.8 38.0 113.9

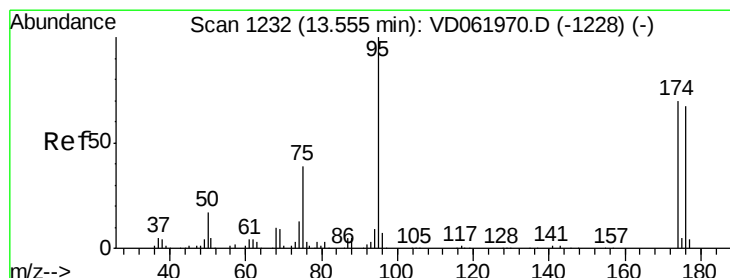
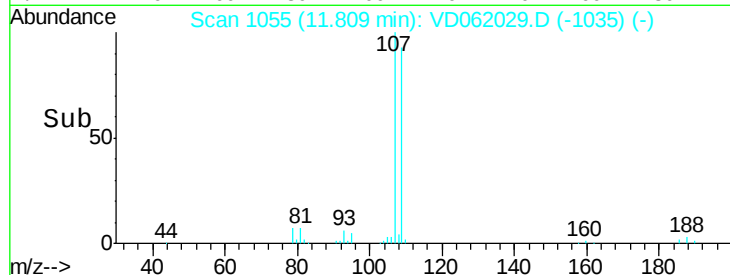
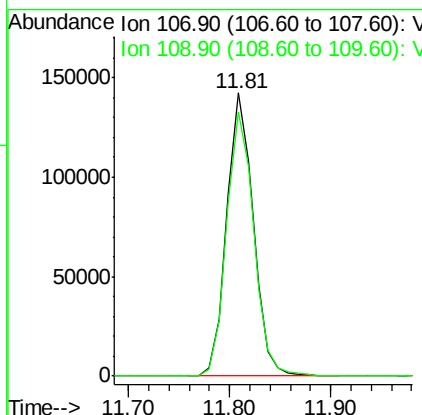
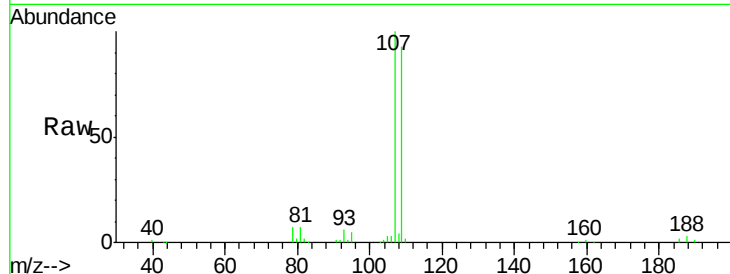




#61
 1,2-Dibromoethane
 Concen: 56.798 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VD062029.D
 Acq: 25 Apr 2019 10:14

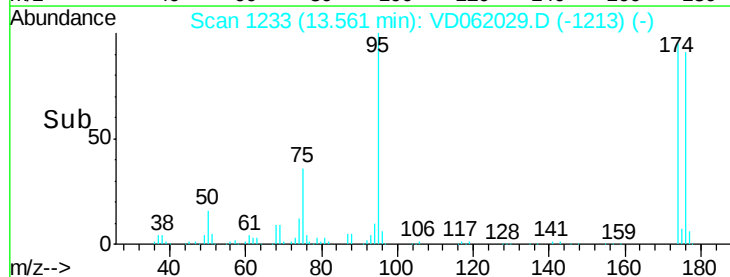
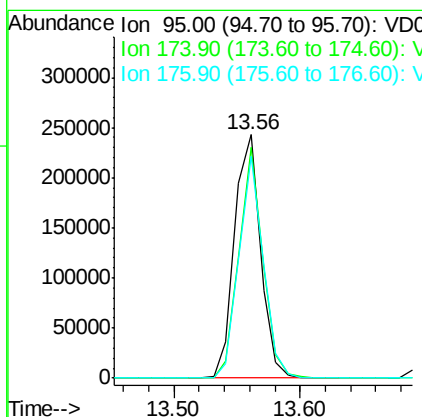
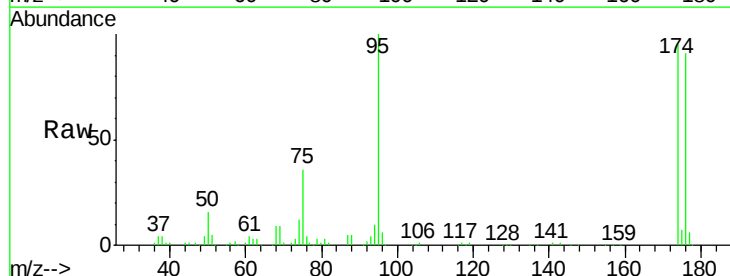
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

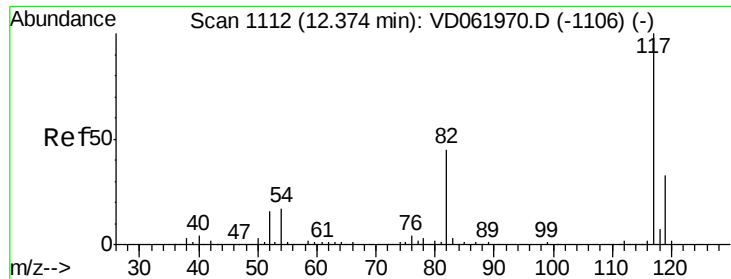
Tot Ion:107 Resp: 259789
 Ion Ratio Lower Upper
 107 100
 109 93.2 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 55.823 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD062029.D
 Acq: 25 Apr 2019 10:14

Tgt Ion: 95 Resp: 344099
 Ion Ratio Lower Upper
 95 100
 174 94.6 0.0 181.8
 176 91.3 0.0 174.4

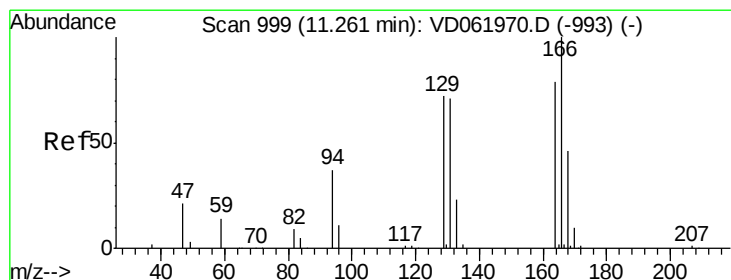
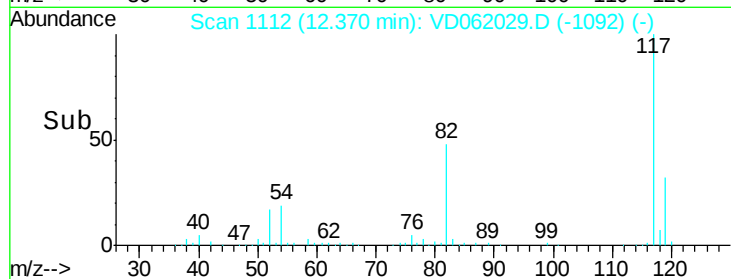
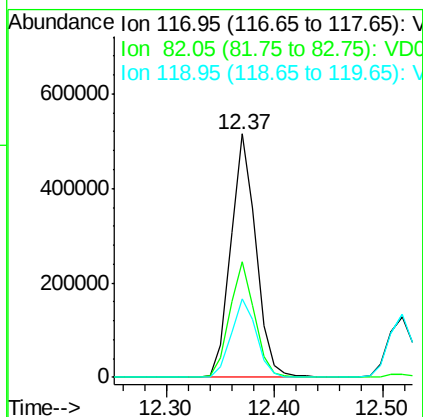
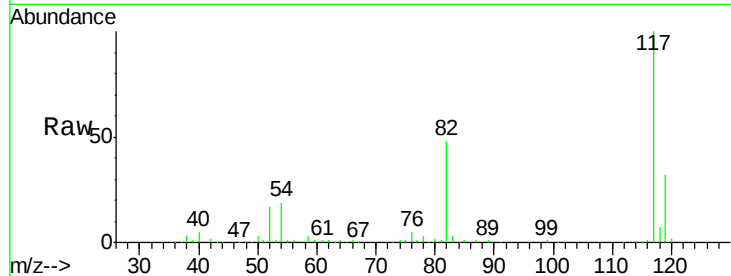




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD062029.D
Acq: 25 Apr 2019 10:14

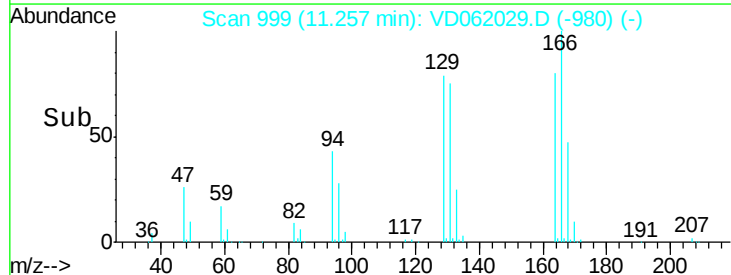
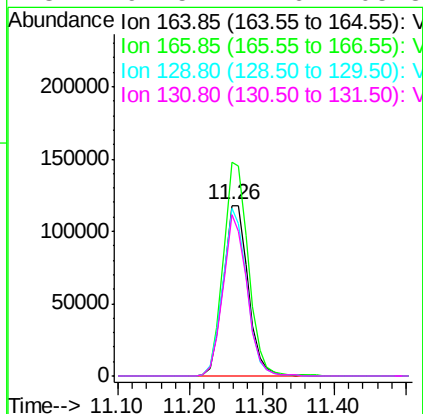
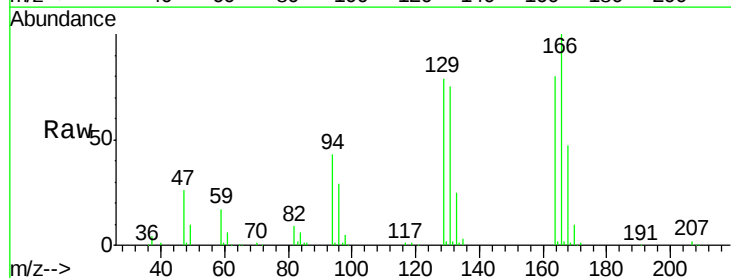
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

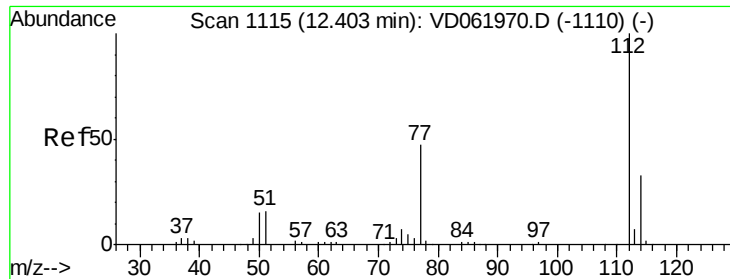
Tot Ion:117 Resp: 828851
Ion Ratio Lower Upper
117 100
82 47.6 36.2 54.2
119 32.4 26.2 39.4



#64
Tetrachloroethene
Concen: 47.576 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD062029.D
Acq: 25 Apr 2019 10:14

Tgt Ion:164 Resp: 281299
Ion Ratio Lower Upper
164 100
166 125.4 101.5 152.3
129 98.6 74.6 112.0
131 94.5 72.6 108.8

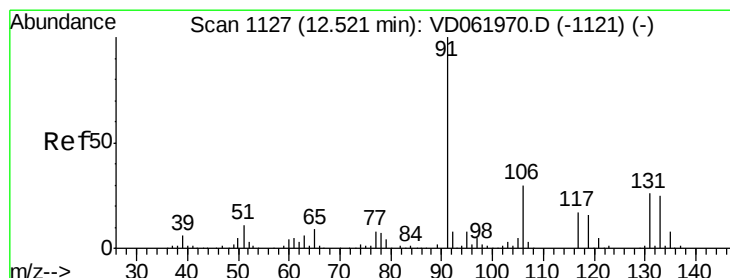
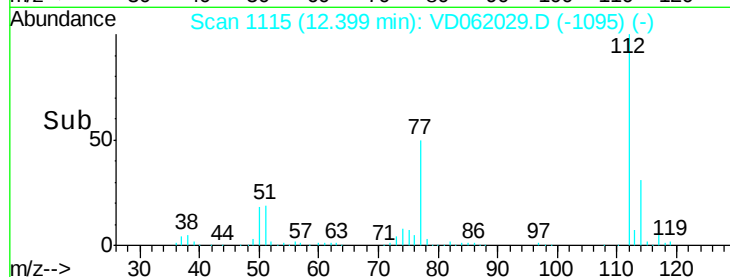
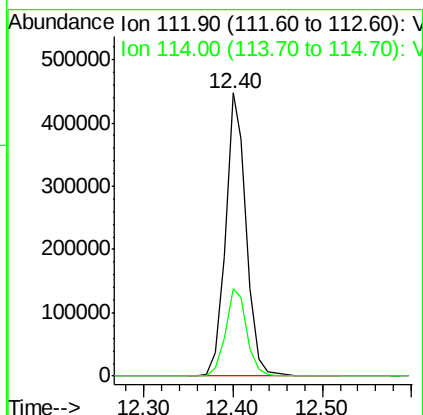
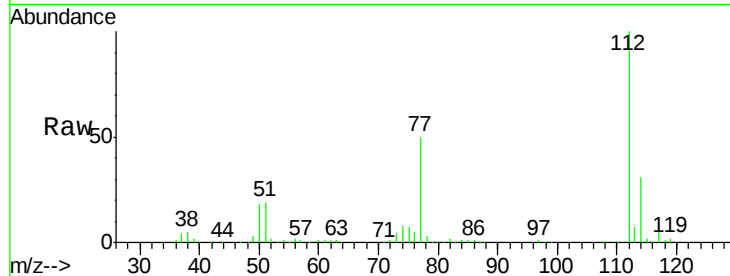




#65
Chlorobenzene
Concen: 46.547 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD062029.D
Acq: 25 Apr 2019 10:14

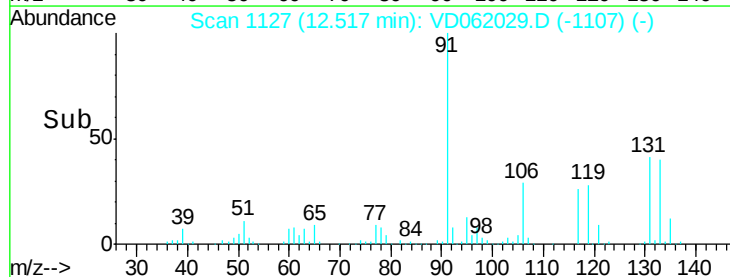
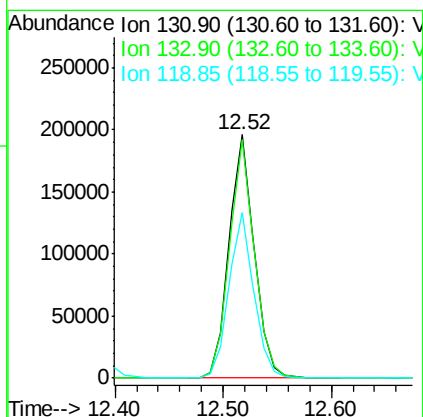
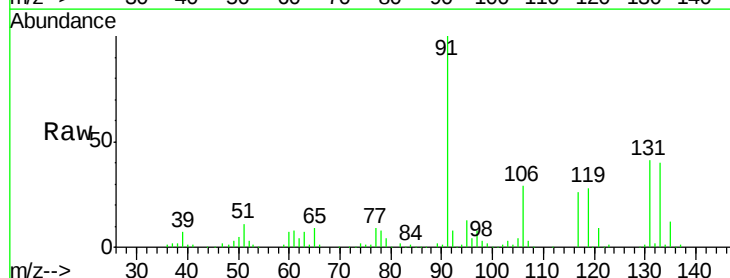
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

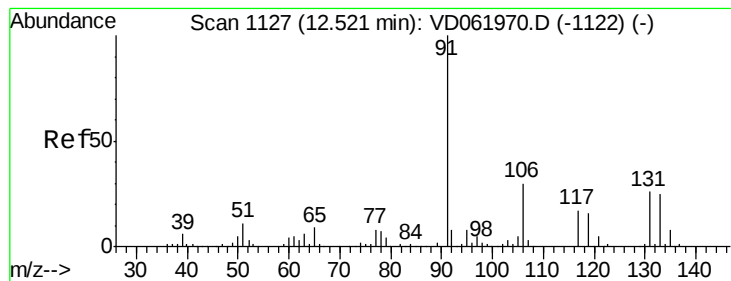
Tot Ion:112 Resp: 729042
Ion Ratio Lower Upper
112 100
114 31.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 47.984 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062029.D
Acq: 25 Apr 2019 10:14

Tgt Ion:131 Resp: 318785
Ion Ratio Lower Upper
131 100
133 98.2 48.6 145.8
119 67.8 34.7 104.1





#67

Ethyl Benzene

Concen: 45.386 ug/l

RT: 12.53 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

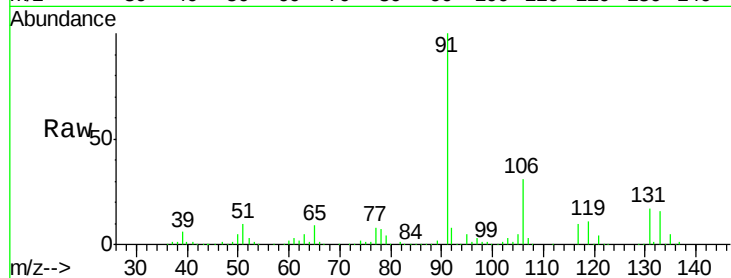
VSTDCCC050

Tot Ion: 91 Resp: 1160237

Ion Ratio Lower Upper

91 100

106 30.9 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

1000000

800000

600000

400000

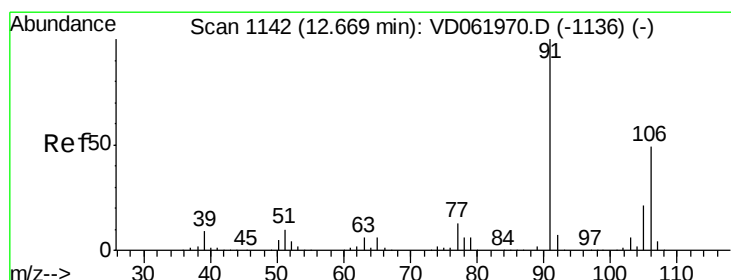
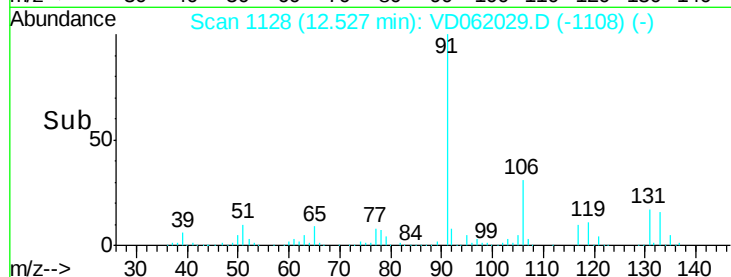
200000

0

12.53

12.60

Time-->



#68

m/p-Xylenes

Concen: 96.266 ug/l

RT: 12.67 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VD062029.D

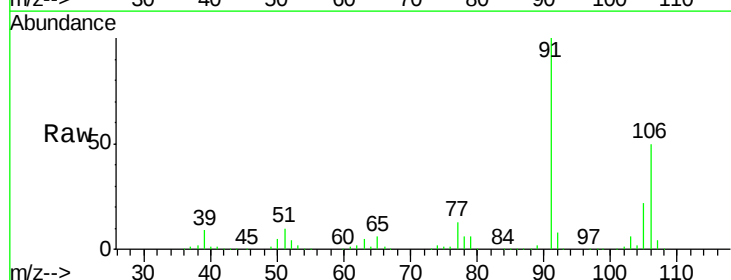
Acq: 25 Apr 2019 10:14

Tgt Ion: 106 Resp: 889446

Ion Ratio Lower Upper

106 100

91 200.7 164.0 246.0



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

1000000

800000

600000

400000

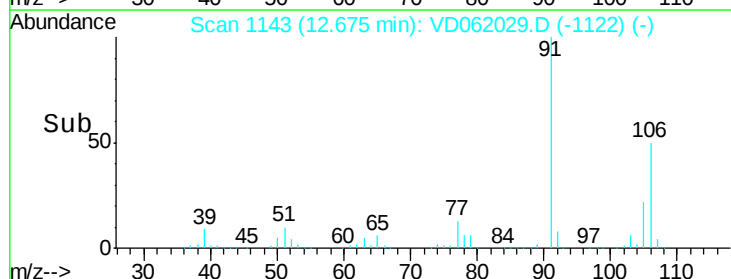
200000

0

12.67

12.80

Time-->

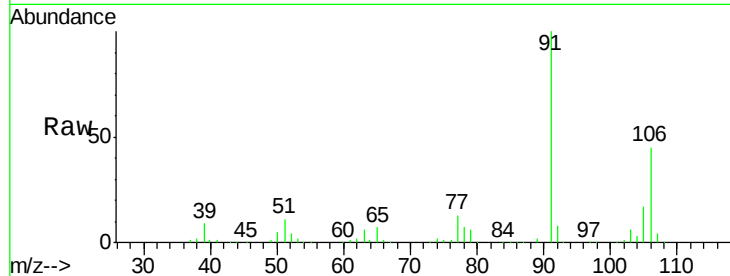




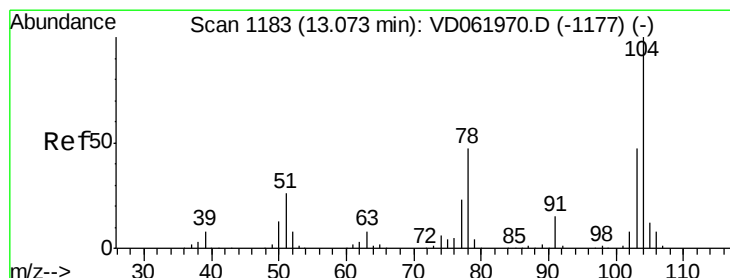
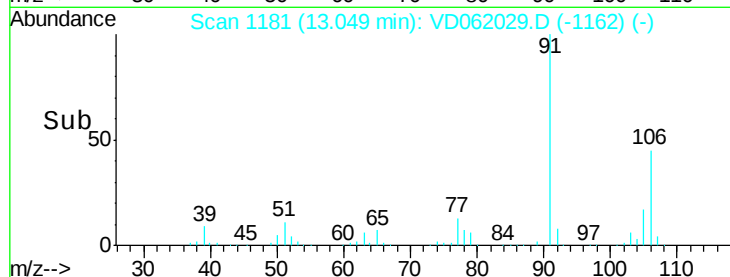
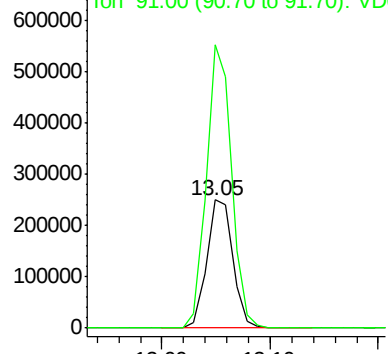
#69
o-Xylene
Concen: 49.611 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD062029.D
Acq: 25 Apr 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 419402
Ion Ratio Lower Upper
106 100
91 221.3 106.7 319.9

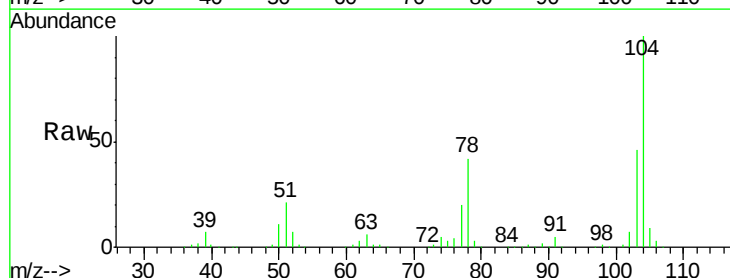


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

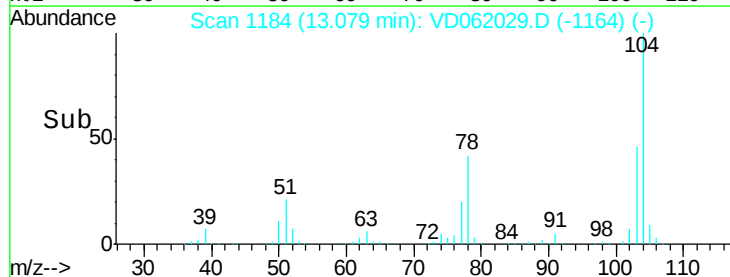
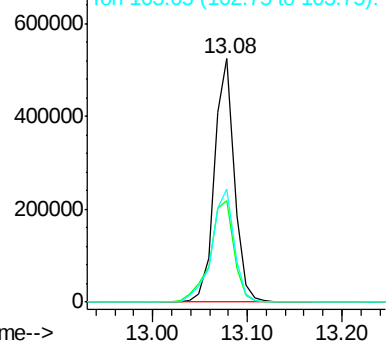


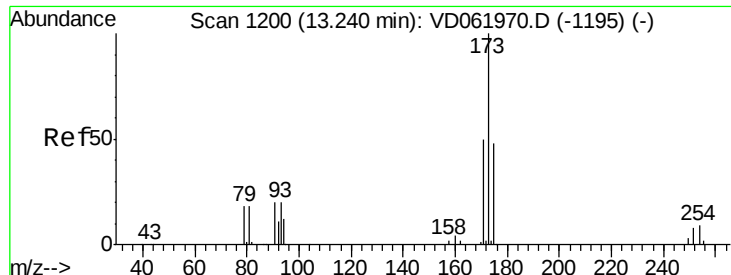
#70
Styrene
Concen: 52.145 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD062029.D
Acq: 25 Apr 2019 10:14

Tgt Ion:104 Resp: 761164
Ion Ratio Lower Upper
104 100
78 41.5 35.4 53.2
103 46.2 37.5 56.3



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: 55.582 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

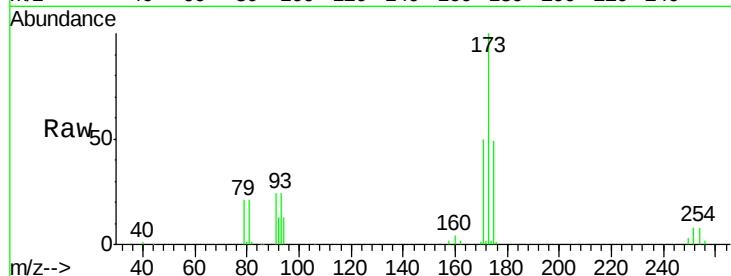
Tot Ion:173 Resp: 210524

Ion Ratio Lower Upper

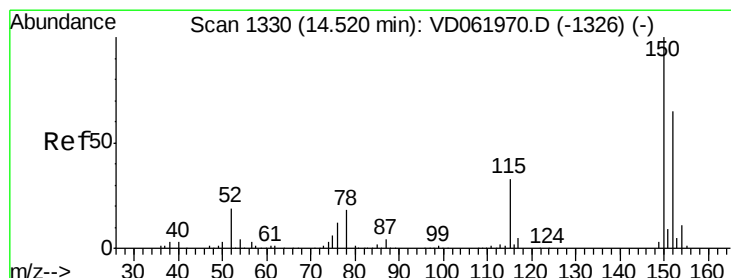
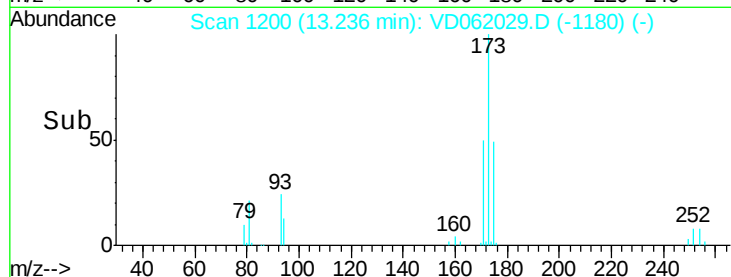
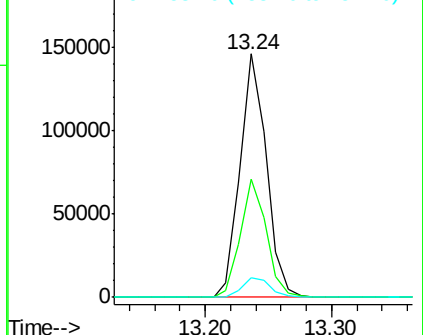
173 100

175 48.8 24.4 73.4

254 8.0 5.4 8.2



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: 14.53 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

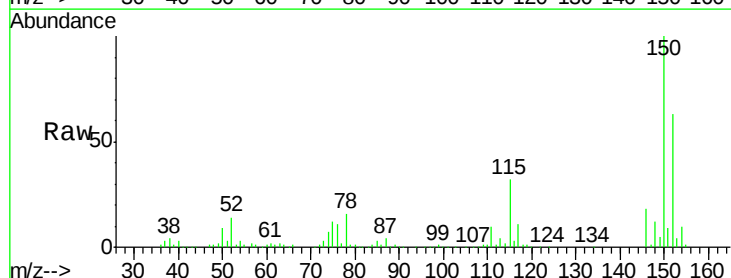
Tgt Ion:152 Resp: 379348

Ion Ratio Lower Upper

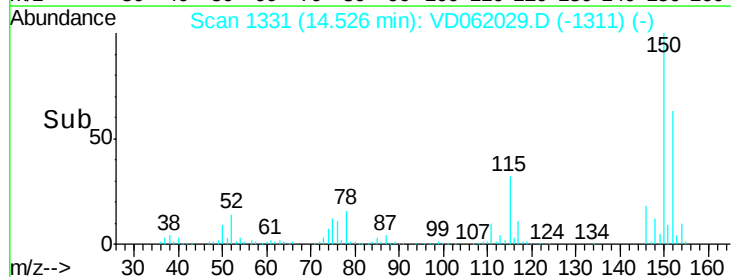
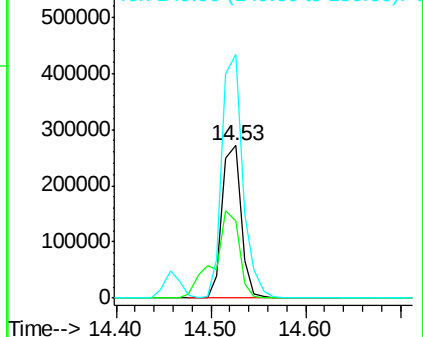
152 100

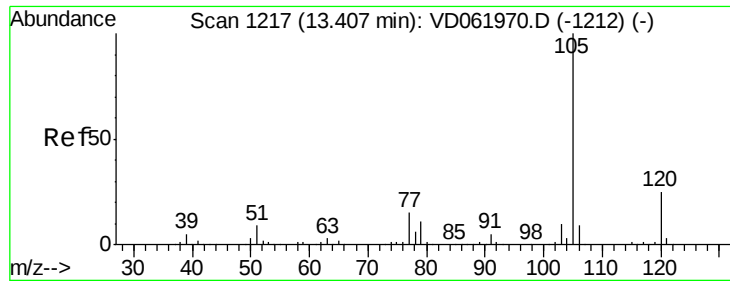
115 51.0 30.9 92.7

150 160.0 0.0 314.8



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: 41.681 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

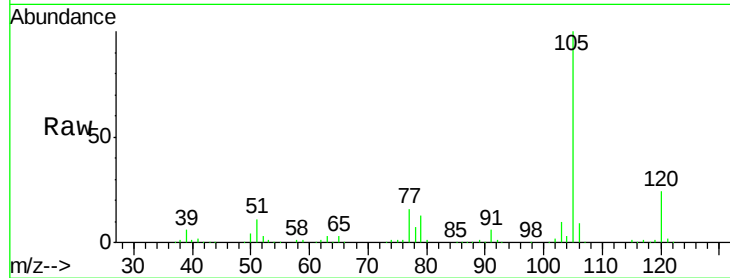
VSTDCCC050

Tot Ion:105 Resp: 1054746

Ion Ratio Lower Upper

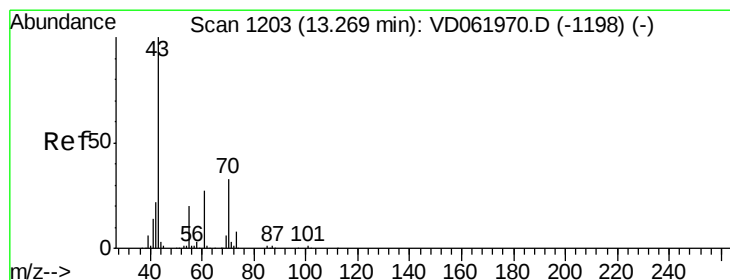
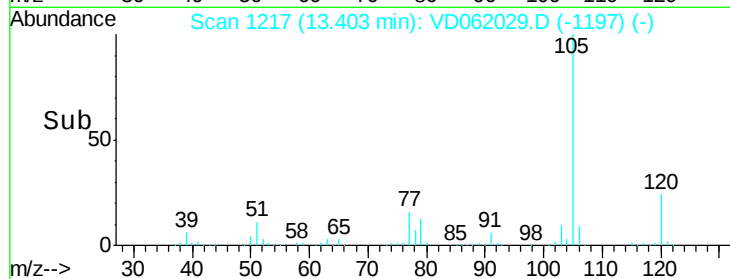
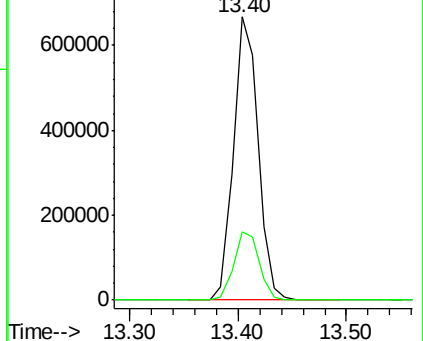
105 100

120 24.3 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 52.311 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

Tgt Ion: 43 Resp: 340911

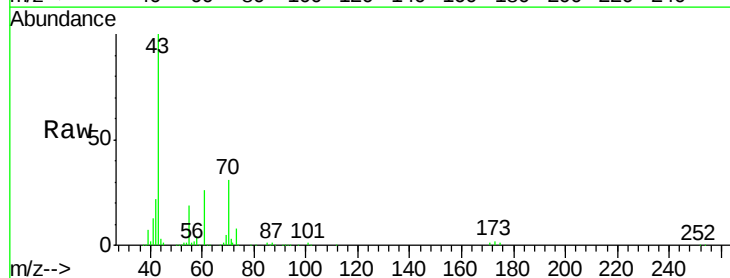
Ion Ratio Lower Upper

43 100

70 30.9 24.2 36.4

55 19.0 16.0 24.0

61 25.9 21.6 32.4

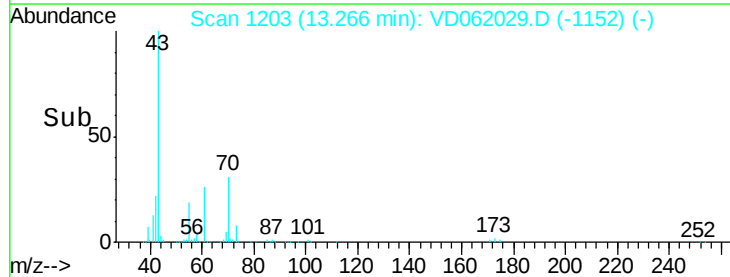
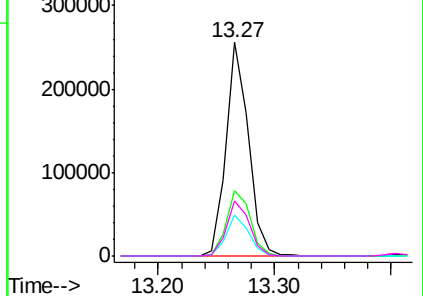


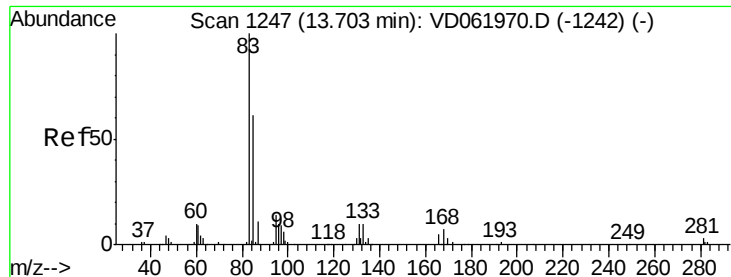
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 51.471 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

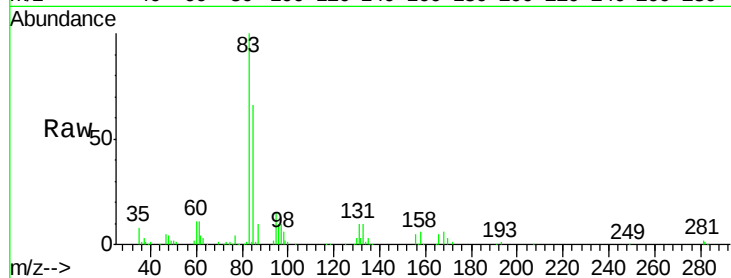
Tot Ion: 83 Resp: 255240

Ion Ratio Lower Upper

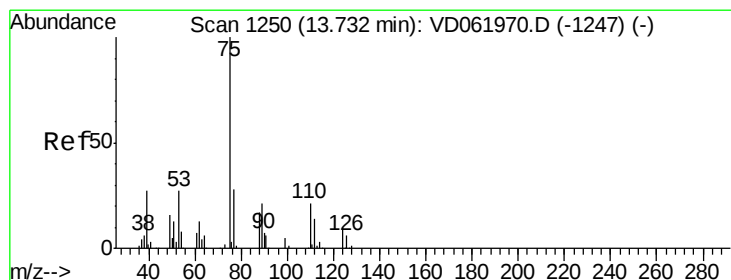
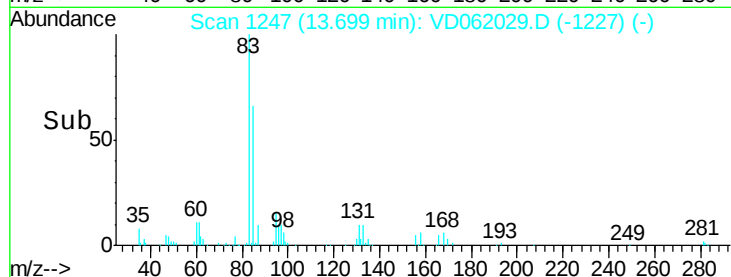
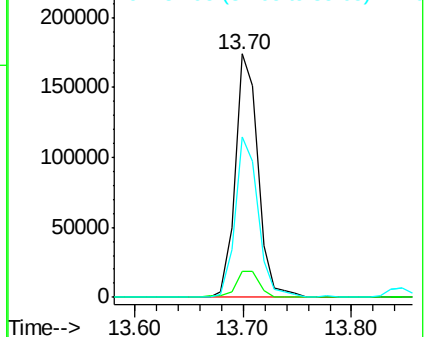
83 100

131 10.4 5.0 14.9

85 65.9 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 52.731 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD062029.D

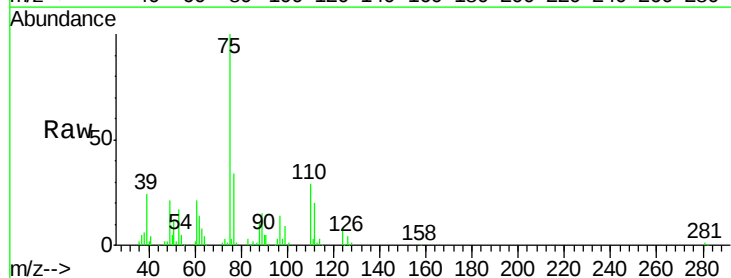
Acq: 25 Apr 2019 10:14

Tgt Ion: 75 Resp: 254015

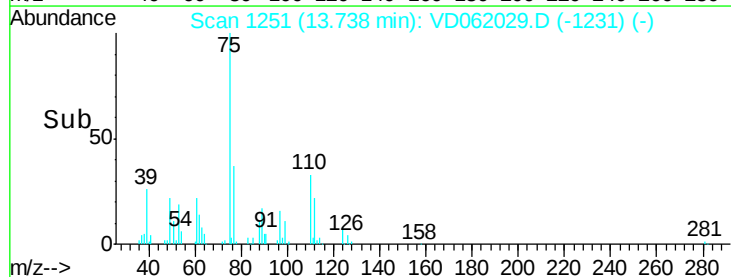
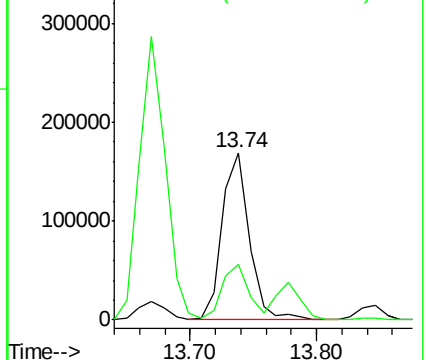
Ion Ratio Lower Upper

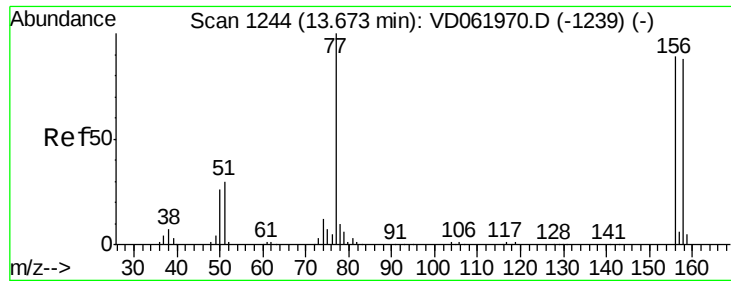
75 100

77 33.6 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 45.605 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

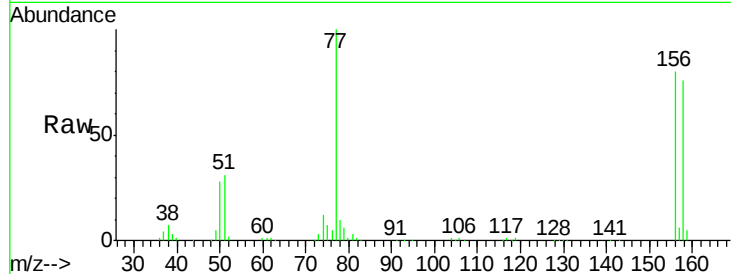
Tot Ion:156 Resp: 331058

Ion Ratio Lower Upper

156 100

77 125.6 53.1 159.4

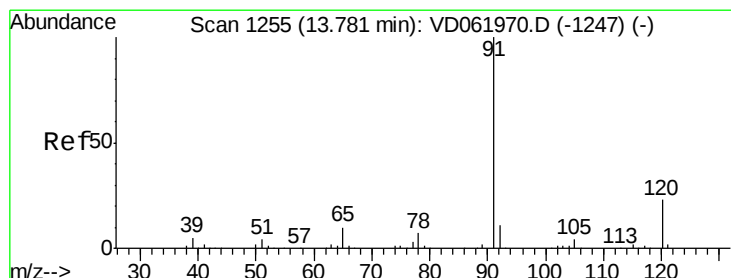
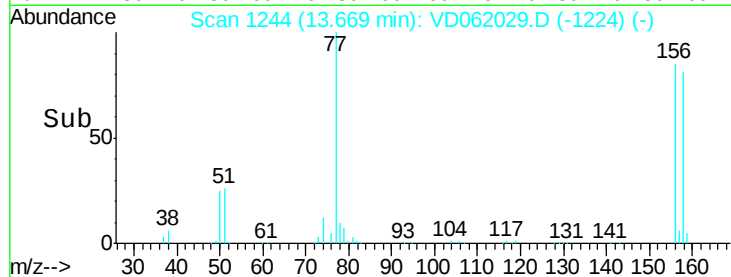
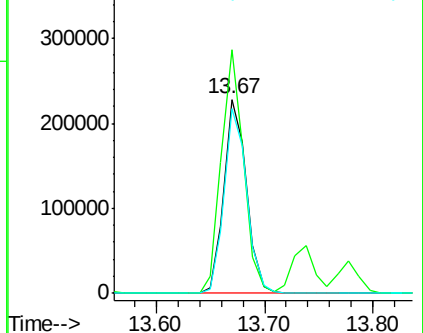
158 95.3 49.4 148.0



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: 46.627 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD062029.D

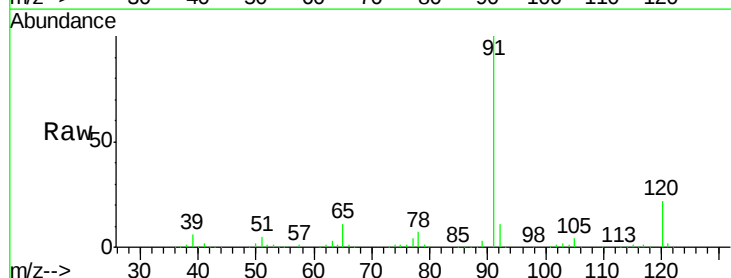
Acq: 25 Apr 2019 10:14

Tgt Ion: 91 Resp: 1350698

Ion Ratio Lower Upper

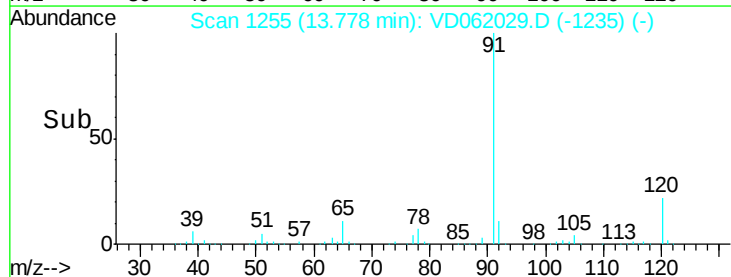
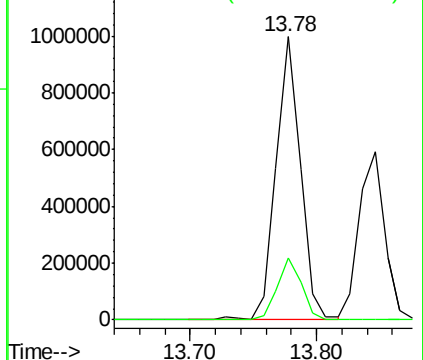
91 100

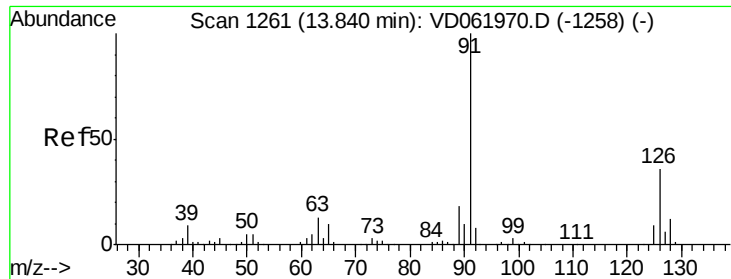
120 21.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 47.351 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

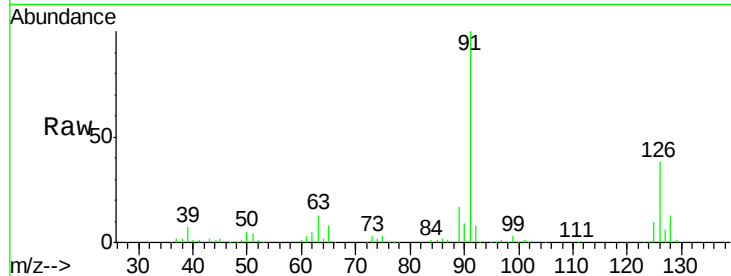
VSTDCCC050

Tot Ion: 91 Resp: 830844

Ion Ratio Lower Upper

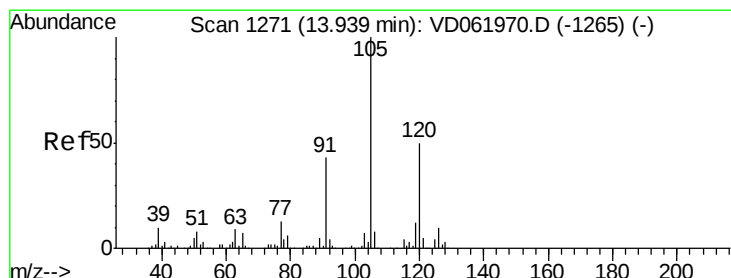
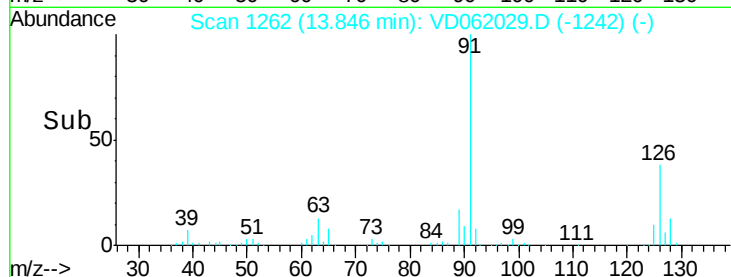
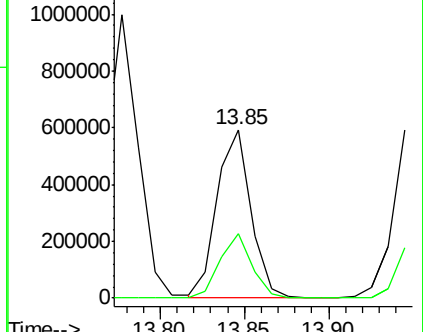
91 100

126 37.9 18.6 55.8



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: 47.683 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD062029.D

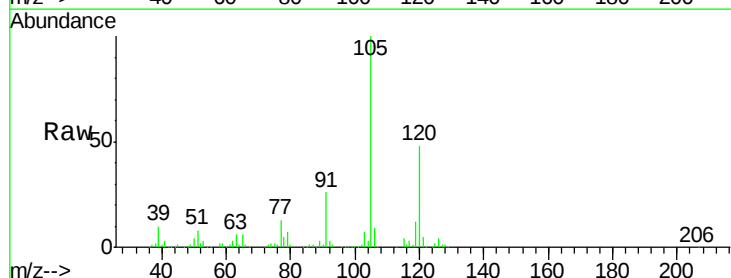
Acq: 25 Apr 2019 10:14

Tgt Ion:105 Resp: 962119

Ion Ratio Lower Upper

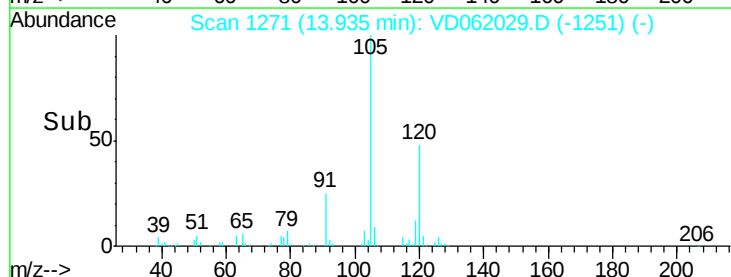
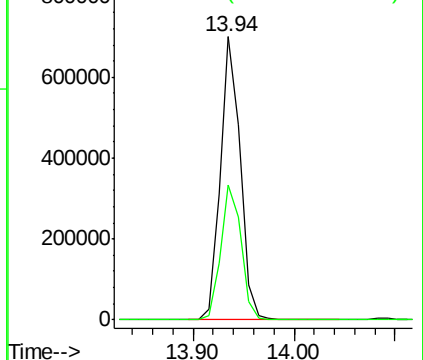
105 100

120 47.9 24.0 72.0



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: 49.379 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD062029.D

Acq: 25 Apr 2019 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

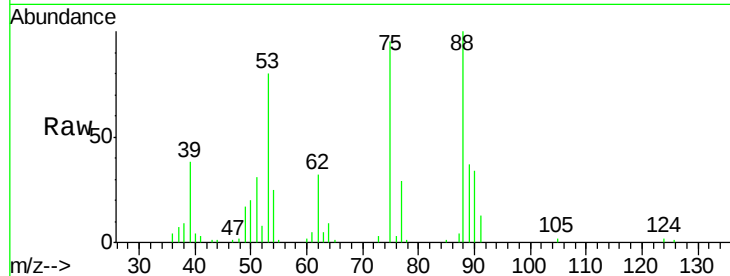
Tot Ion: 75 Resp: 72083

Ion Ratio Lower Upper

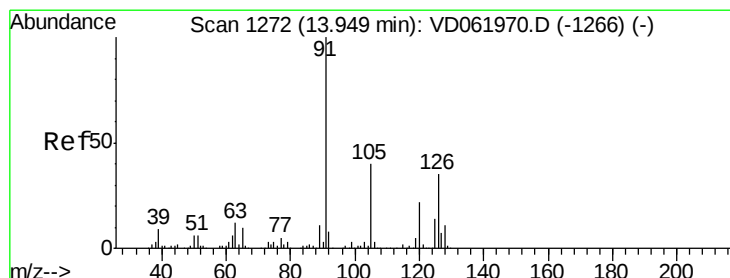
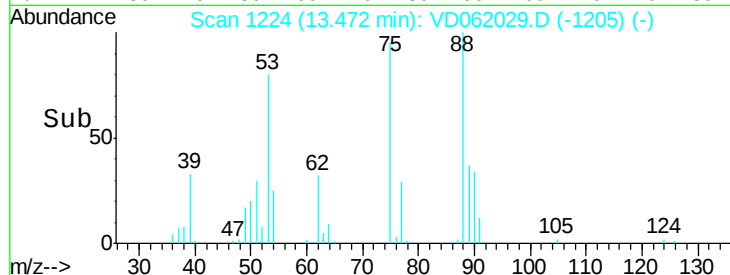
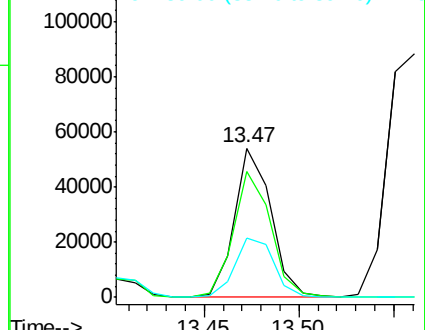
75 100

53 84.9 65.8 98.8

89 39.6 35.0 52.6



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: 48.287 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VD062029.D

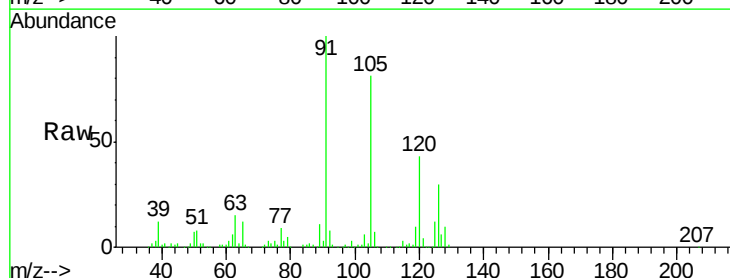
Acq: 25 Apr 2019 10:14

Tgt Ion: 91 Resp: 933081

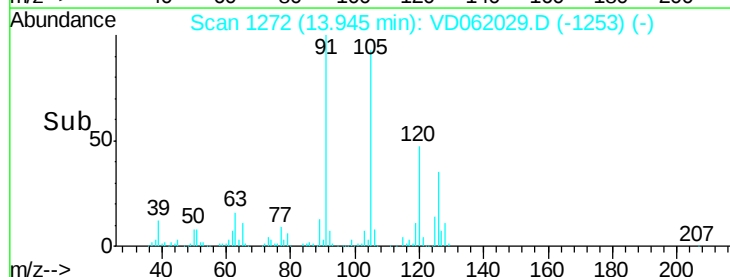
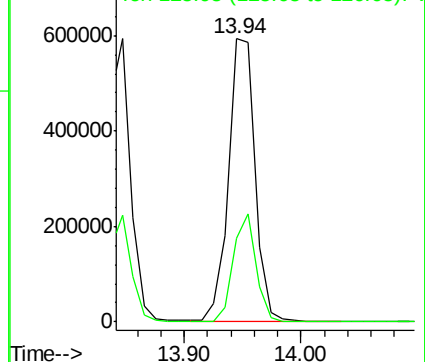
Ion Ratio Lower Upper

91 100

126 29.7 19.1 57.5



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

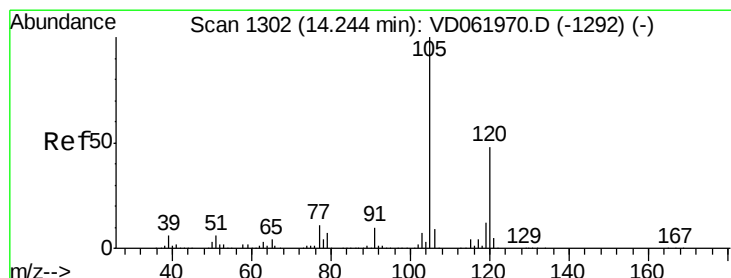
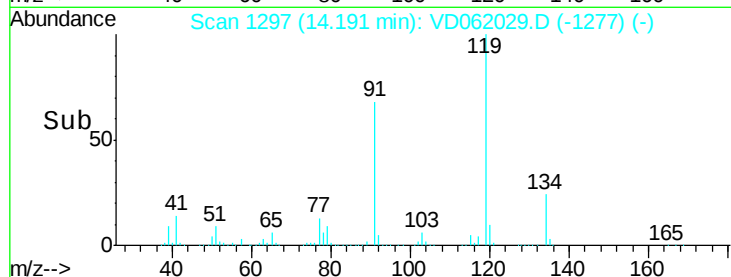
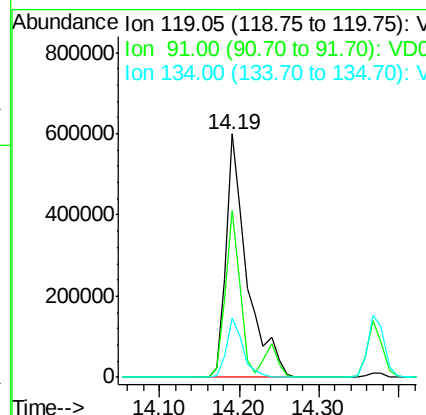
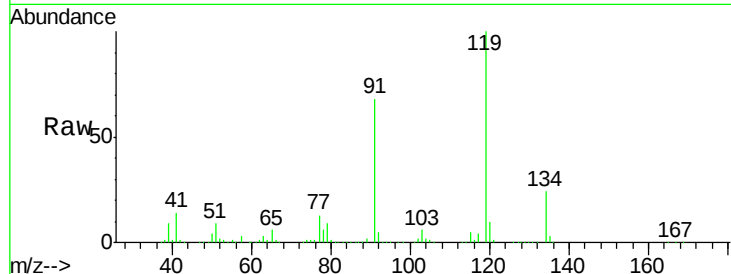




#83
tert-Butylbenzene
Concen: 47.674 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD062029.D
Acq: 25 Apr 2019 10:14

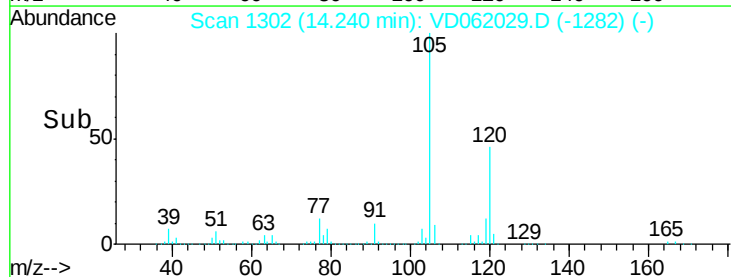
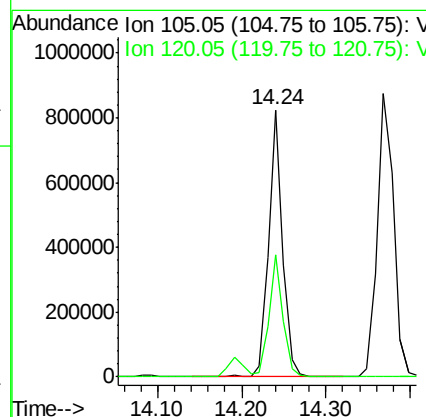
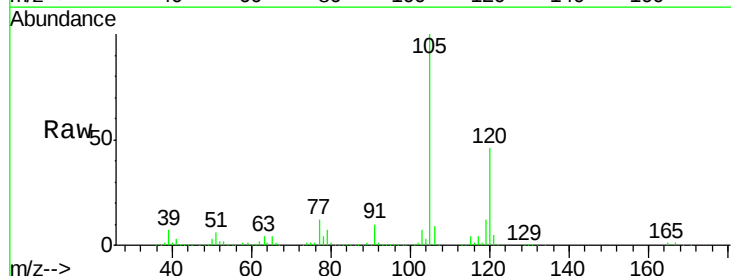
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

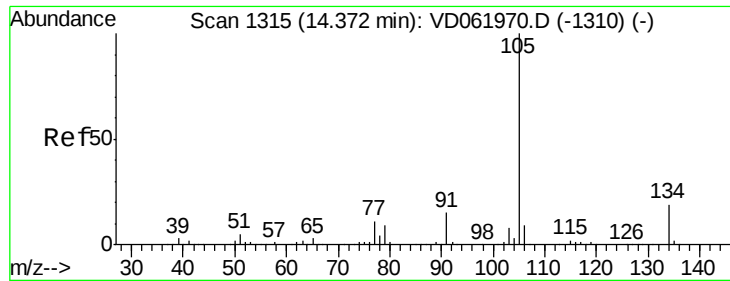
Tot Ion:119 Resp: 1114343
Ion Ratio Lower Upper
119 100
91 68.4 34.2 102.6
134 24.1 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 50.592 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VD062029.D
Acq: 25 Apr 2019 10:14

Tgt Ion:105 Resp: 974723
Ion Ratio Lower Upper
105 100
120 45.6 23.1 69.2

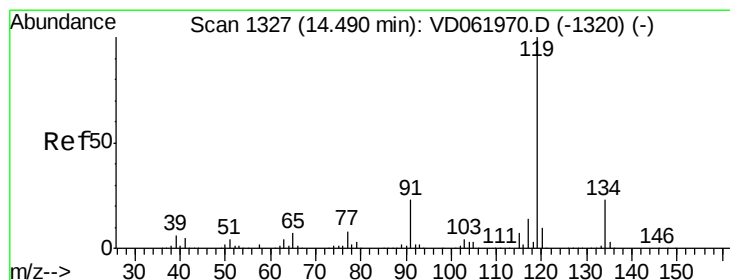
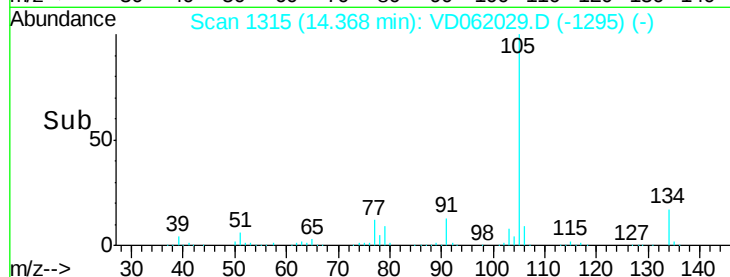
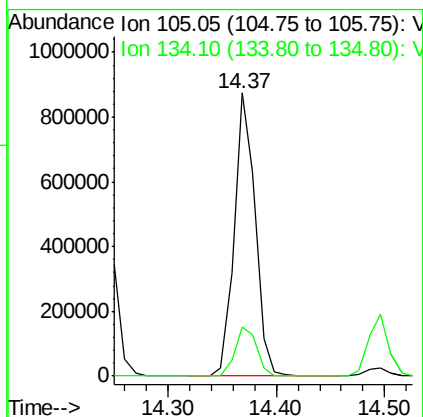
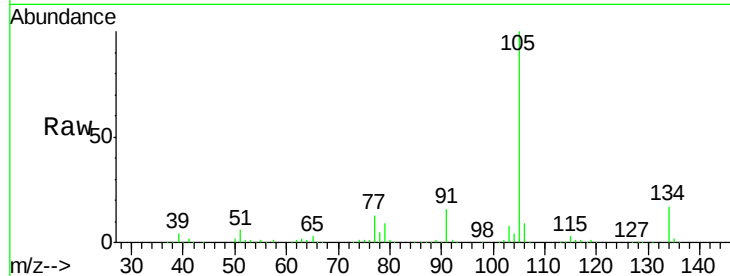




#85
 sec-Butylbenzene
 Concen: 46.354 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD062029.D
 Acq: 25 Apr 2019 10:14

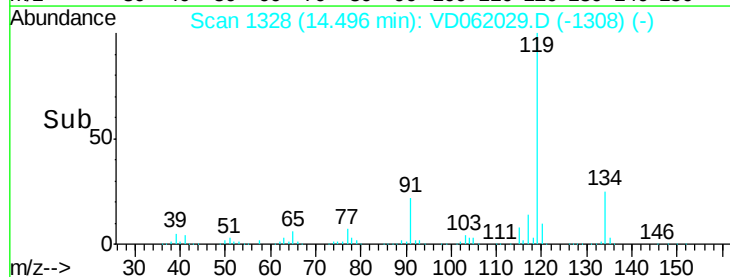
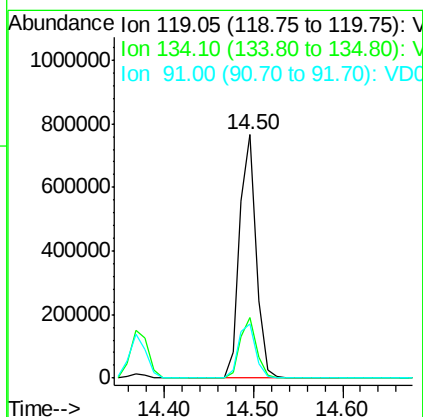
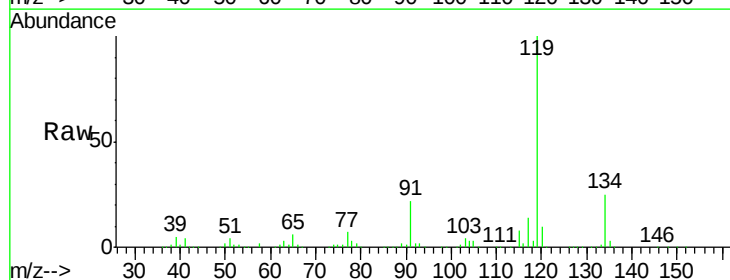
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1170714
 Ion Ratio Lower Upper
 105 100
 134 17.3 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 44.347 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD062029.D
 Acq: 25 Apr 2019 10:14

Tgt Ion:119 Resp: 1002405
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.8 38.3
 91 22.2 10.7 32.1

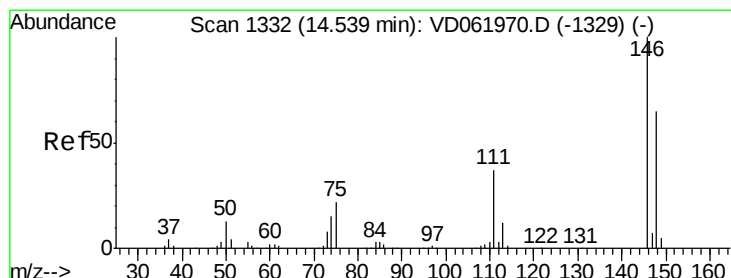
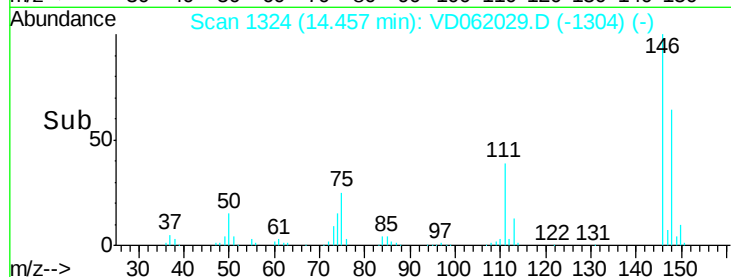
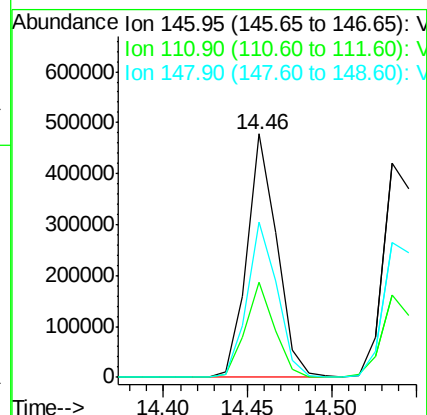
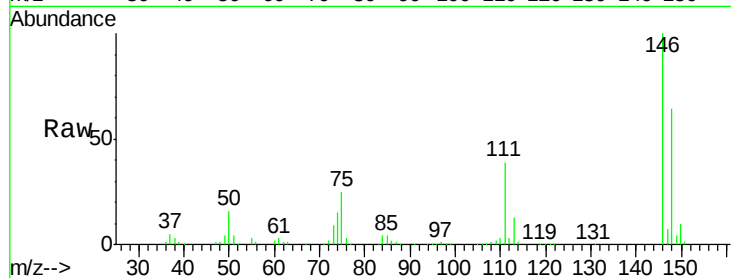




#87
 1,3-Dichlorobenzene
 Concen: 46.298 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062029.D
 Acq: 25 Apr 2019 10:14

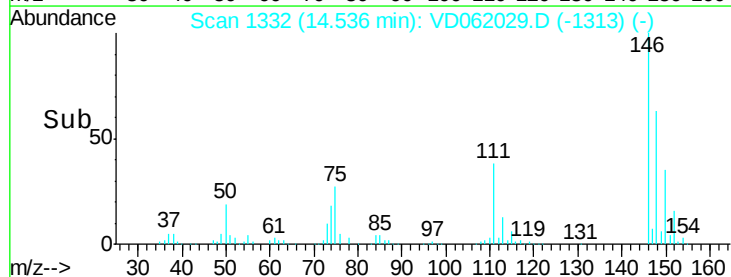
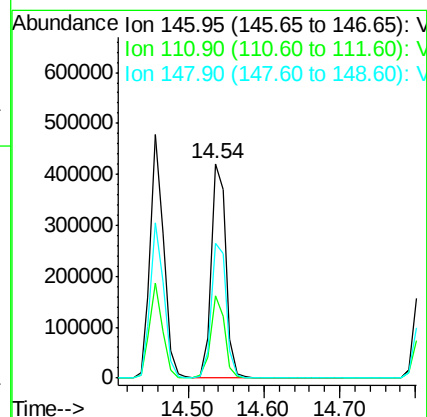
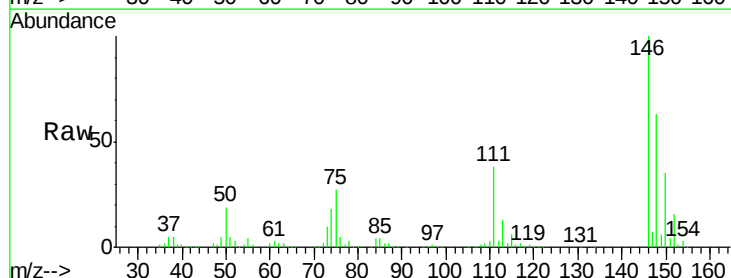
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

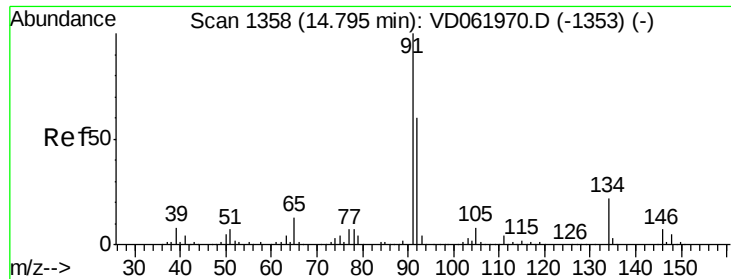
Tot Ion:146 Resp: 588557
 Ion Ratio Lower Upper
 146 100
 111 38.8 20.0 60.0
 148 63.8 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 48.275 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD062029.D
 Acq: 25 Apr 2019 10:14

Tgt Ion:146 Resp: 573918
 Ion Ratio Lower Upper
 146 100
 111 38.4 20.2 60.5
 148 63.0 32.0 96.2

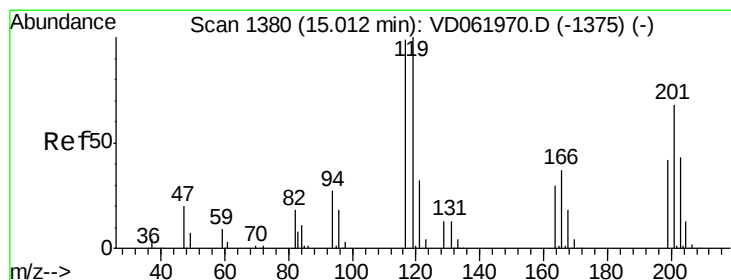
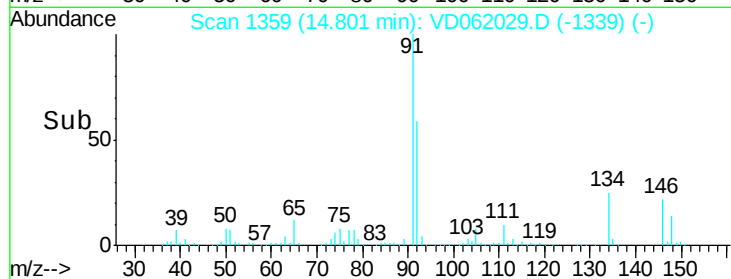
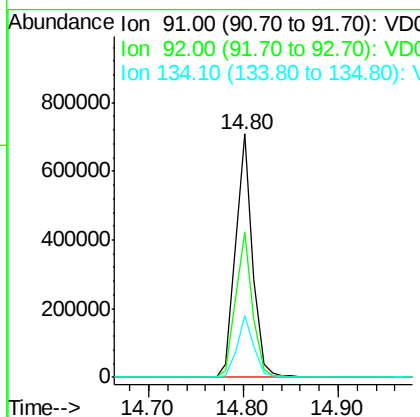
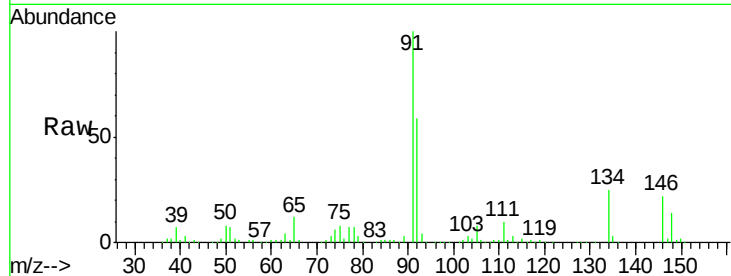




#89
n-Butylbenzene
Concen: 43.198 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD062029.D
Acq: 25 Apr 2019 10:14

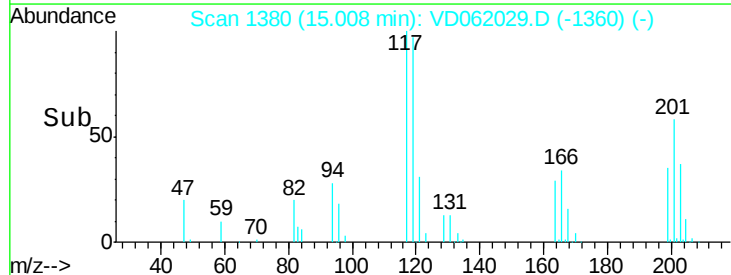
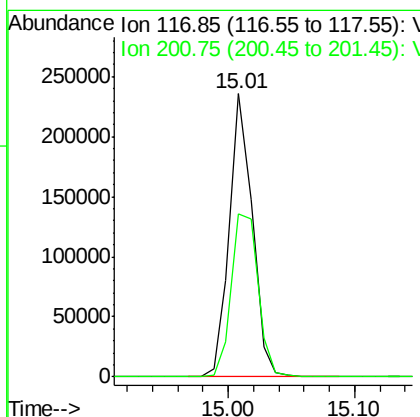
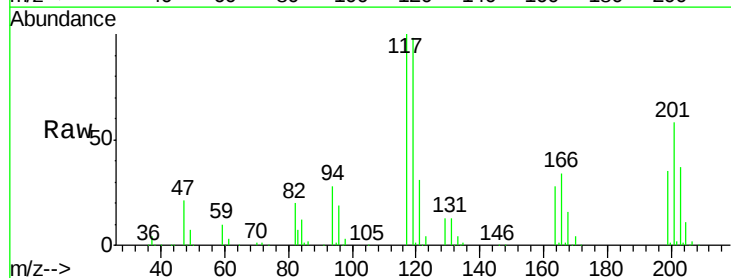
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 876612
Ion Ratio Lower Upper
91 100
92 59.4 30.3 91.0
134 25.2 14.5 43.6



#90
Hexachloroethane
Concen: 48.574 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD062029.D
Acq: 25 Apr 2019 10:14

Tgt Ion: 117 Resp: 296890
Ion Ratio Lower Upper
117 100
201 57.8 30.2 90.6

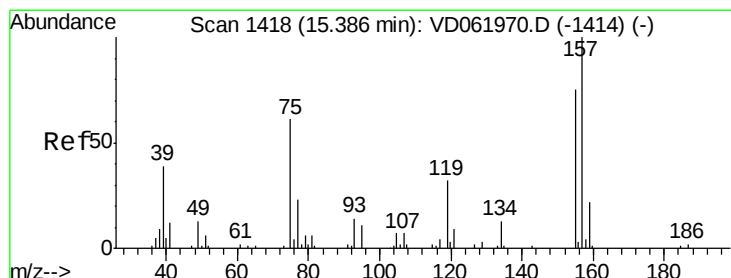
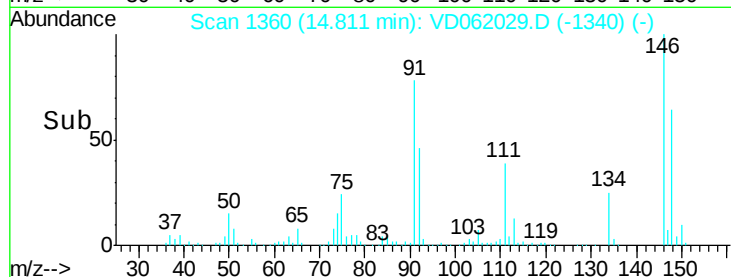
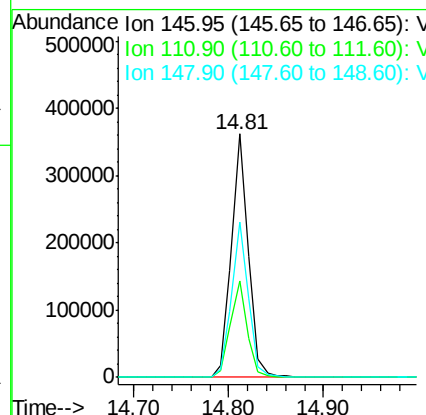
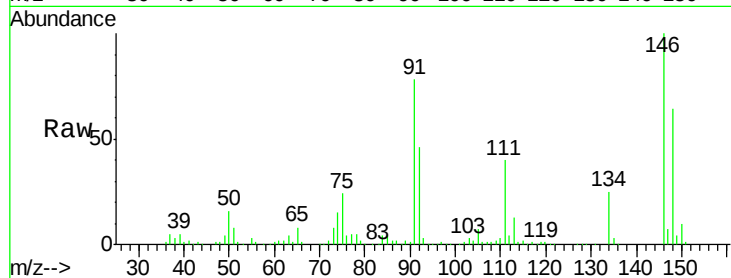




#91
 1,2-Dichlorobenzene
 Concen: 42.812 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD062029.D
 Acq: 25 Apr 2019 10:14

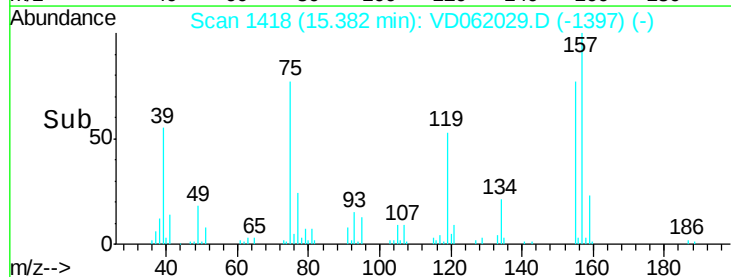
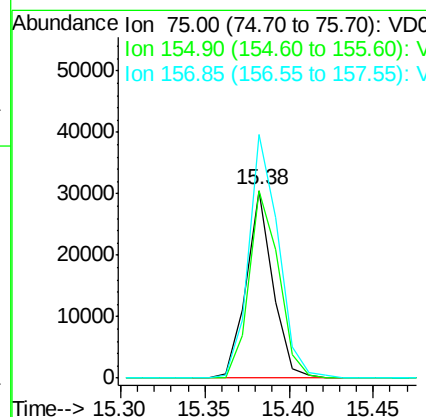
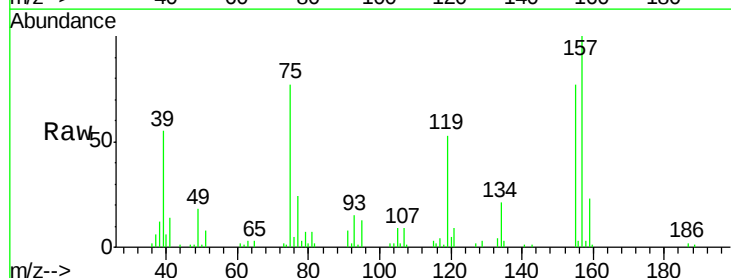
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

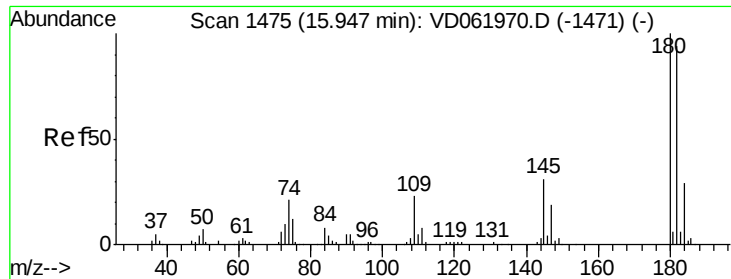
Tot Ion:146 Resp: 448939
 Ion Ratio Lower Upper
 146 100
 111 39.5 20.0 59.9
 148 63.7 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.076 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD062029.D
 Acq: 25 Apr 2019 10:14

Tgt Ion: 75 Resp: 33597
 Ion Ratio Lower Upper
 75 100
 155 99.6 55.3 165.8
 157 129.7 67.8 203.2

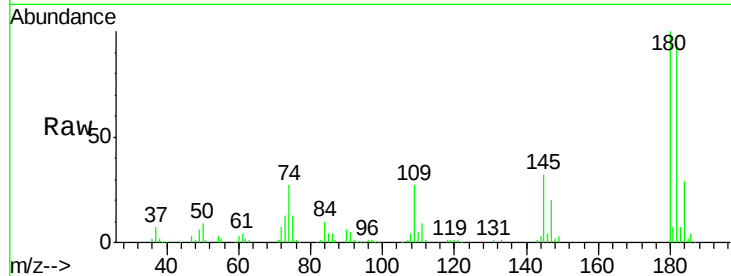




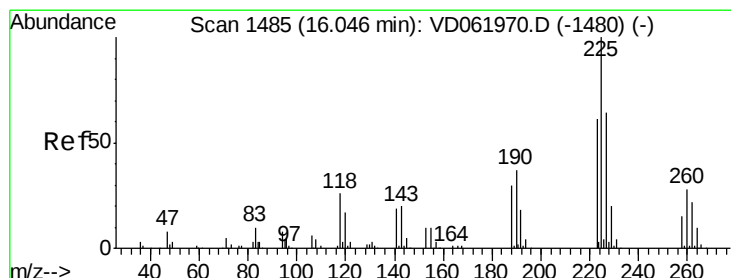
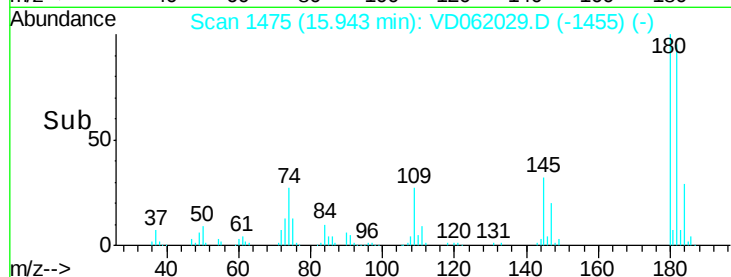
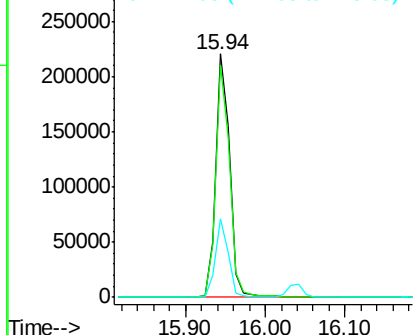
#93
 1,2,4-Trichlorobenzene
 Concen: 48.501 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062029.D
 Acq: 25 Apr 2019 10:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 274412
 Ion Ratio Lower Upper
 180 100
 182 95.2 49.3 147.8
 145 32.4 16.2 48.6

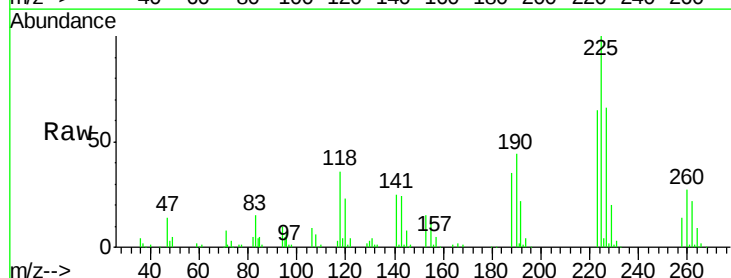


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

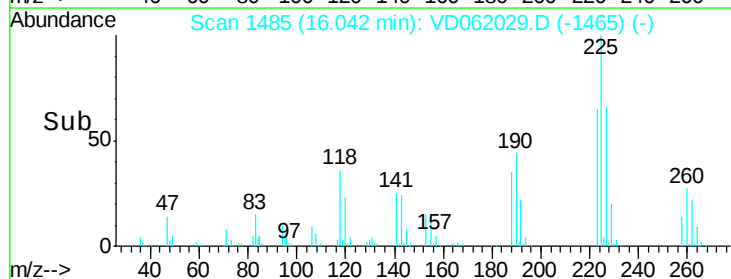
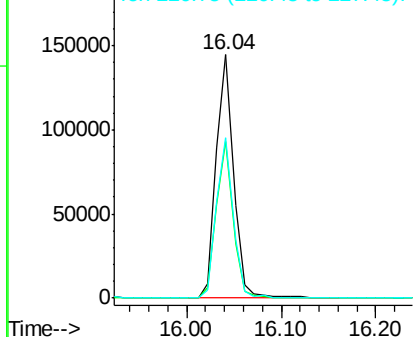


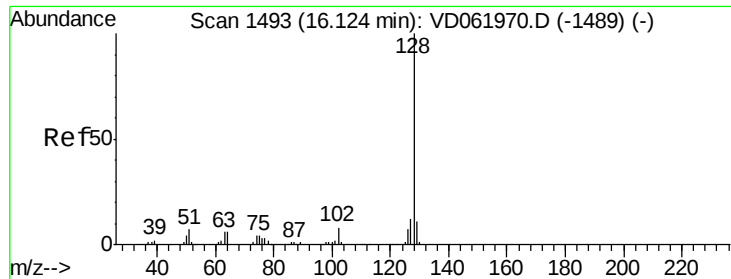
#94
 Hexachlorobutadiene
 Concen: 44.242 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD062029.D
 Acq: 25 Apr 2019 10:14

Tgt Ion:225 Resp: 185241
 Ion Ratio Lower Upper
 225 100
 223 64.6 30.6 92.0
 227 65.7 32.0 96.2



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

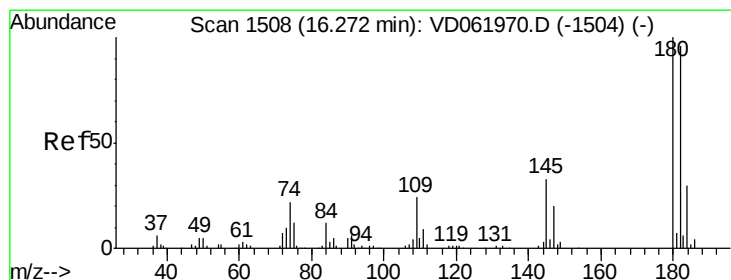
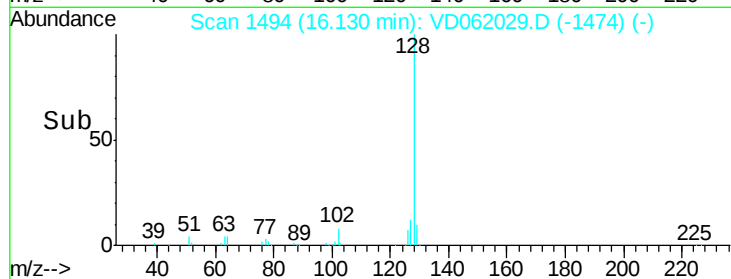
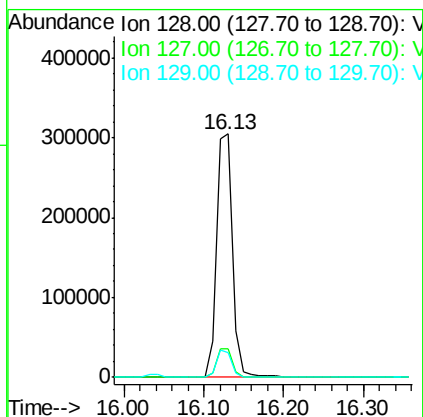
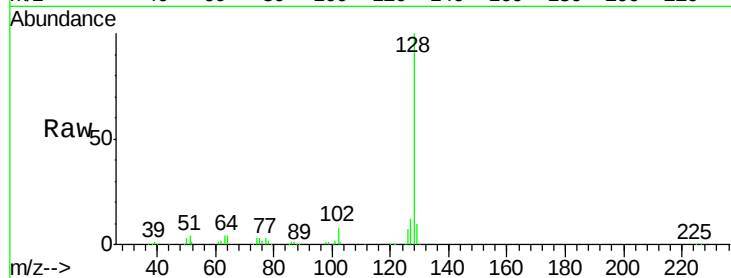




#95
Naphthalene
Concen: 47.199 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD062029.D
Acq: 25 Apr 2019 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 431175
Ion Ratio Lower Upper
128 100
127 11.5 9.8 14.8
129 10.3 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 50.896 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062029.D
Acq: 25 Apr 2019 10:14

Tgt Ion:180 Resp: 163386
Ion Ratio Lower Upper
180 100
182 94.5 47.0 141.0
145 35.0 17.0 51.0

