

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032719\NOT REVIEWED DATA\VD032719\
 Data File : VD061367.D
 Acq On : 27 Mar 2019 23:28
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 28 04:05:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 02:13:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	600638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	1092801	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	902907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	415839	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.42	65	273102	53.23	ug/l	-0.02
Spiked Amount			Recovery	=	106.46%	
35) Dibromofluoromethane	6.89	113	431018	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
50) Toluene-d8	10.38	98	1035442	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
62) 4-Bromofluorobenzene	13.54	95	401405	52.26	ug/l	0.00
Spiked Amount			Recovery	=	104.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	360729	56.236	ug/l	99
3) Chloromethane	1.75	50	258223	49.360	ug/l	99
4) Vinyl Chloride	1.84	62	255150	53.119	ug/l	95
5) Bromomethane	2.15	94	65465	68.730	ug/l	98
6) Chloroethane	2.27	64	93935	66.687	ug/l	97
7) Trichlorofluoromethane	2.52	101	401824	57.529	ug/l	99
8) Diethyl Ether	2.86	74	138280	61.489	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.14	101	428569	57.073	ug/l	99
10) Methyl Iodide	3.29	142	621364	54.123	ug/l	99
11) Tert butyl alcohol	4.04	59	88785	277.856	ug/l	98
12) 1,1-Dichloroethene	3.11	96	358217	55.563	ug/l	97
13) Acrolein	3.02	56	58312	238.457	ug/l	99
14) Allyl chloride	3.61	41	523373	58.203	ug/l	99
15) Acrylonitrile	4.17	53	335304	302.336	ug/l	96
16) Acetone	3.20	43	348138	263.945	ug/l	99
17) Carbon Disulfide	3.36	76	1091860	52.125	ug/l	99
18) Methyl Acetate	3.62	43	156306	56.363	ug/l	100
19) Methyl tert-butyl Ether	4.22	73	674206	60.414	ug/l	99
20) Methylene Chloride	3.79	84	411312	55.893	ug/l	96
21) trans-1,2-Dichloroethene	4.20	96	401763	57.721	ug/l	100
22) Diisopropyl ether	5.08	45	1132653	59.523	ug/l	98
23) Vinyl Acetate	5.02	43	3044075	294.504	ug/l	97
24) 1,1-Dichloroethane	4.95	63	663098	59.295	ug/l	99
25) 2-Butanone	6.04	43	470865	283.797	ug/l	100
26) 2,2-Dichloropropane	5.99	77	488227	54.920	ug/l	99
27) cis-1,2-Dichloroethene	6.01	96	450210	59.035	ug/l	96
28) Bromochloromethane	6.41	49	241317	53.457	ug/l #	94
29) Tetrahydrofuran	6.42	42	232415	289.006	ug/l	98
30) Chloroform	6.64	83	684739	59.259	ug/l	100
31) Cyclohexane	6.93	56	461596	52.233	ug/l	98
32) 1,1,1-Trichloroethane	6.84	97	589020	57.780	ug/l	94
36) 1,1-Dichloropropene	7.12	75	483506	50.694	ug/l	98
37) Ethyl Acetate	6.15	43	220753	54.119	ug/l	99
38) Carbon Tetrachloride	7.08	117	616302	56.751	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.83	83	508354	51.176	ug/l	99
40) Benzene	7.43	78	1224802	51.168	ug/l	98
41) Methacrylonitrile	6.41	41	260276	54.572	ug/l #	98
42) 1,2-Dichloroethane	7.54	62	393990	55.025	ug/l	99
43) Isopropyl Acetate	9.21	43	345417	58.201	ug/l #	95
44) Trichloroethene	8.51	130	463902	52.077	ug/l	94
45) 1,2-Dichloropropane	8.90	63	317359	52.286	ug/l	99
46) Dibromomethane	9.03	93	236073	57.785	ug/l	95
47) Bromodichloromethane	9.35	83	534311	58.271	ug/l	99
48) Methyl methacrylate	9.09	41	171815	52.456	ug/l	97
49) 1,4-Dioxane	9.05	88	41101	1137.664	ug/l	98
51) 4-Methyl-2-Pentanone	10.27	43	961565	266.305	ug/l	97
52) Toluene	10.48	92	776938	53.203	ug/l	97
53) t-1,3-Dichloropropene	10.88	75	476579	57.206	ug/l	99
54) cis-1,3-Dichloropropene	10.01	75	583282	57.499	ug/l	95
55) 1,1,2-Trichloroethane	11.17	97	259725	50.856	ug/l	97
56) Ethyl methacrylate	11.02	69	271051	49.404	ug/l	97
57) 1,3-Dichloropropane	11.38	76	424588	56.563	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.83	63	672859	251.832	ug/l	99
59) 2-Hexanone	11.51	43	694161	265.341	ug/l	97
60) Dibromochloromethane	11.66	129	442246	56.171	ug/l	99
61) 1,2-Dibromoethane	11.78	107	321417	54.351	ug/l	97
64) Tetrachloroethene	11.23	164	354791	50.068	ug/l	97
65) Chlorobenzene	12.38	112	960920	52.076	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	395299	55.329	ug/l	99
67) Ethyl Benzene	12.51	91	1539647	54.665	ug/l	99
68) m/p-Xylenes	12.65	106	1029962	96.537	ug/l	99
69) o-Xylene	13.03	106	525399	50.746	ug/l	98
70) Styrene	13.06	104	902727	50.018	ug/l	99
71) Bromoform	13.21	173	245791	54.270	ug/l	96
73) Isopropylbenzene	13.38	105	1305772	45.117	ug/l	99
74) N-amyl acetate	13.24	43	387271	48.034	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	310336	50.830	ug/l	94
76) 1,2,3-Trichloropropane	13.72	75	297840	49.583	ug/l	98
77) Bromobenzene	13.65	156	420613	49.022	ug/l	99
78) n-propylbenzene	13.76	91	1651590	46.631	ug/l	97
79) 2-Chlorotoluene	13.82	91	888918	46.223	ug/l	100
80) 1,3,5-Trimethylbenzene	14.22	105	1203537	49.506	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	87399	47.720	ug/l	95
82) 4-Chlorotoluene	13.93	91	981784	46.951	ug/l	99
83) tert-Butylbenzene	14.17	119	1372381	48.903	ug/l	100
84) 1,2,4-Trimethylbenzene	14.22	105	1203537	49.506	ug/l	99
85) sec-Butylbenzene	14.36	105	1337480	44.862	ug/l	97
86) p-Isopropyltoluene	14.47	119	1266399	50.234	ug/l	100
87) 1,3-Dichlorobenzene	14.43	146	710915	48.929	ug/l	98
88) 1,4-Dichlorobenzene	14.52	146	730997	51.591	ug/l	99
89) n-Butylbenzene	14.78	91	1109056	47.931	ug/l	99
90) Hexachloroethane	15.00	117	377084	52.946	ug/l	91
91) 1,2-Dichlorobenzene	14.79	146	577271	48.438	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	41604	58.101	ug/l	52

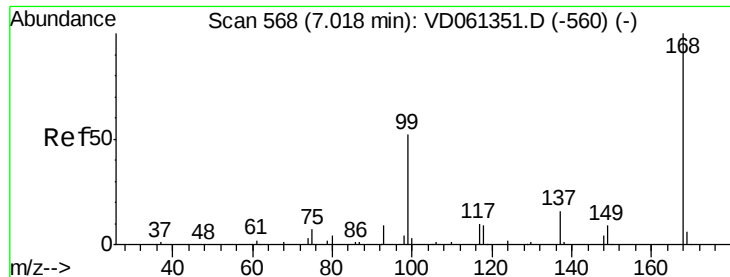
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	312610	57.582	ug/l	98
94) Hexachlorobutadiene	16.02	225	230382	54.306	ug/l	99
95) Naphthalene	16.11	128	543304	65.655	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	160577	67.216	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.00 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

Instrument :

MSVOA_D

ClientSampleId :

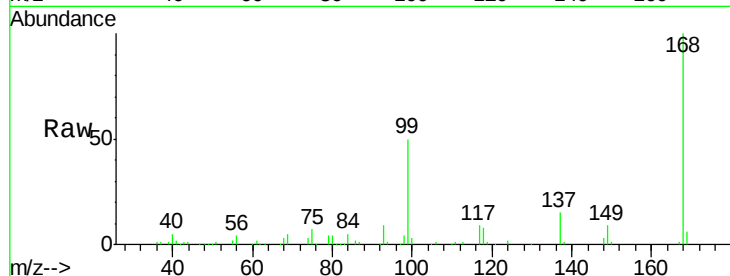
VSTDCCC050

Tot Ion:168 Resp: 600638

Ion Ratio Lower Upper

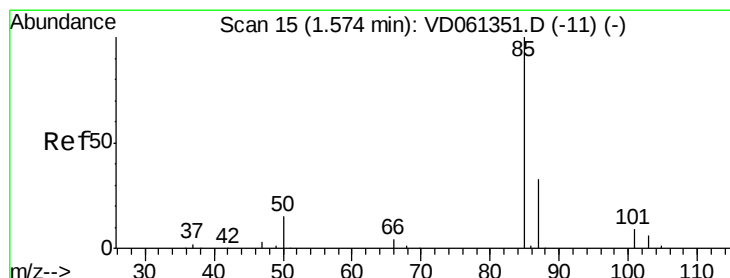
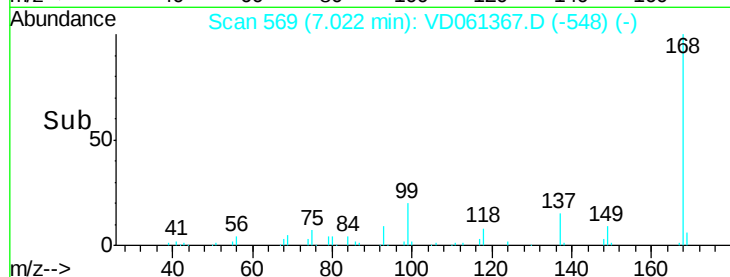
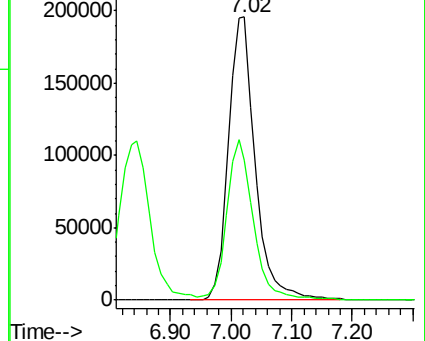
168 100

99 49.6 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 56.236 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD061367.D

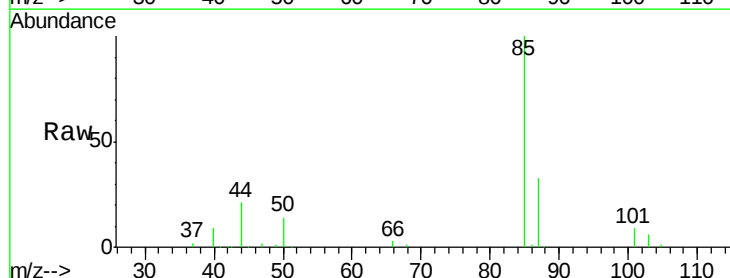
Acq: 27 Mar 2019 23:28

Tgt Ion: 85 Resp: 360729

Ion Ratio Lower Upper

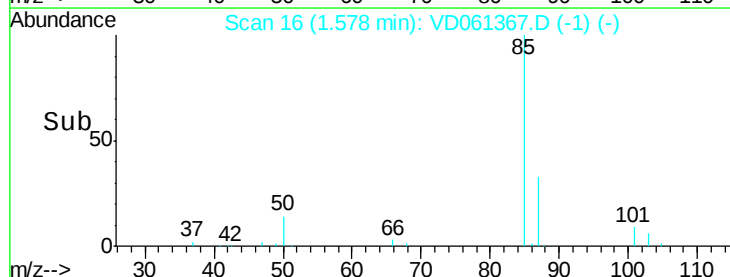
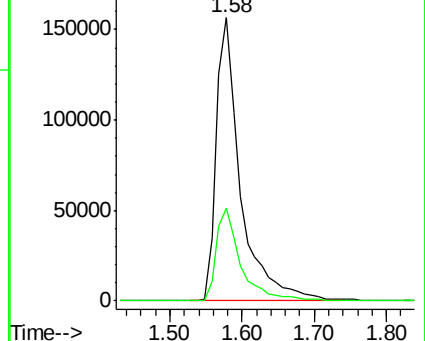
85 100

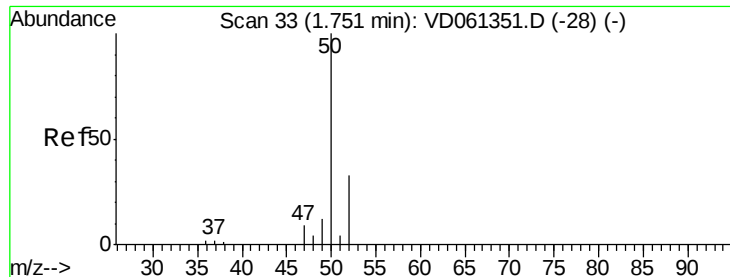
87 32.5 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.360 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

Instrument :

MSVOA_D

ClientSampleId :

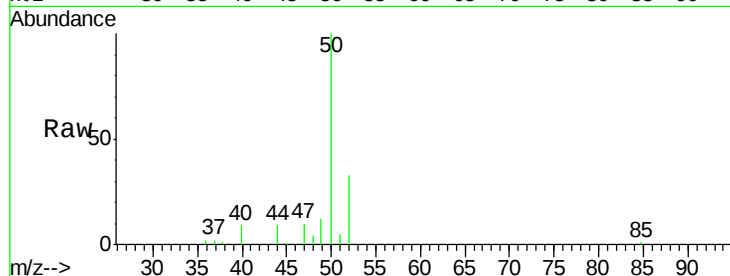
VSTDCCC050

Tot Ion: 50 Resp: 258223

Ion Ratio Lower Upper

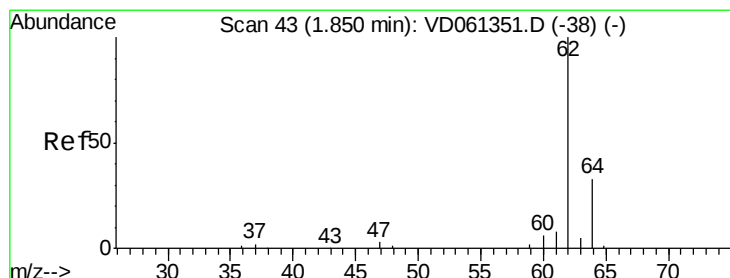
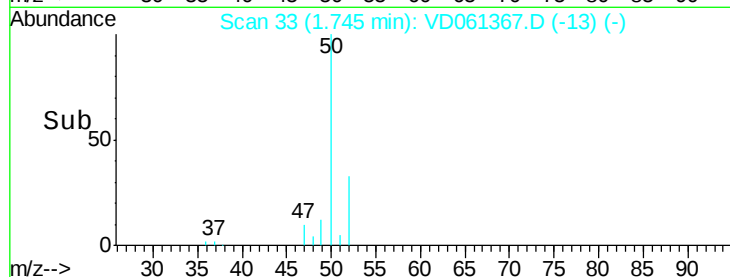
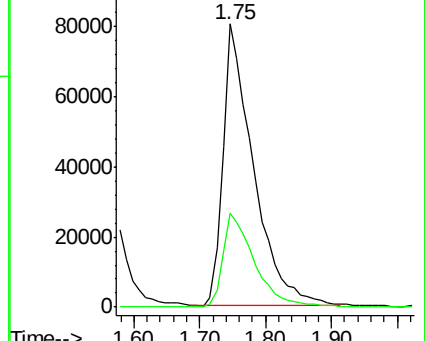
50 100

52 33.2 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 53.119 ug/l

RT: 1.84 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD061367.D

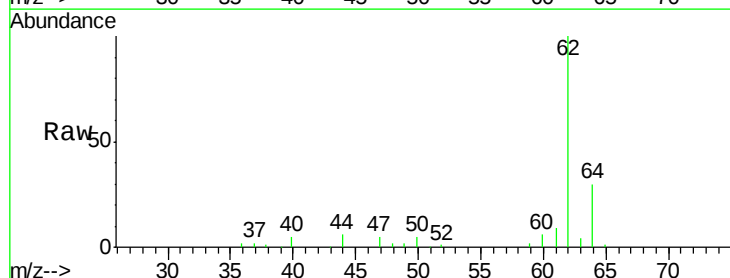
Acq: 27 Mar 2019 23:28

Tgt Ion: 62 Resp: 255150

Ion Ratio Lower Upper

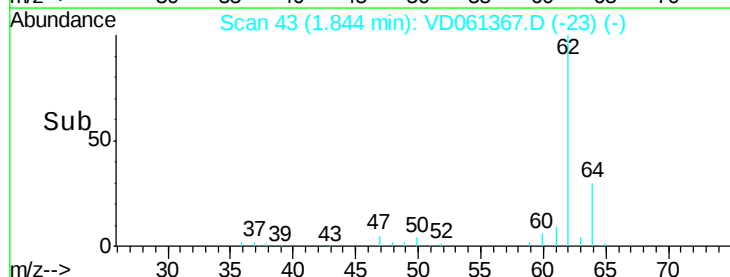
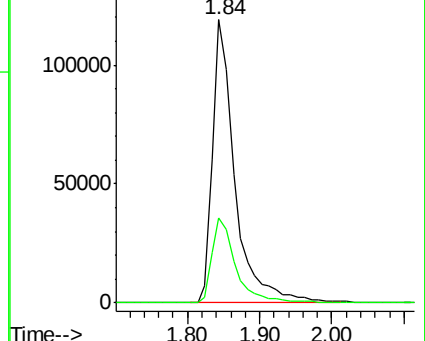
62 100

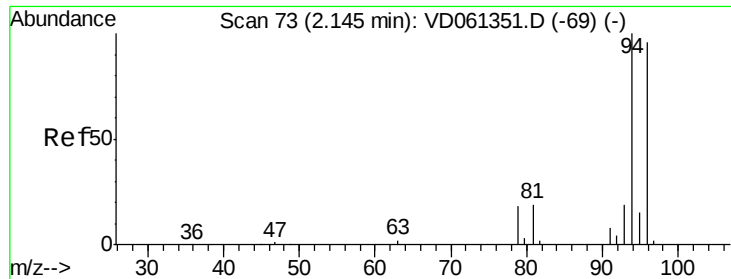
64 30.3 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

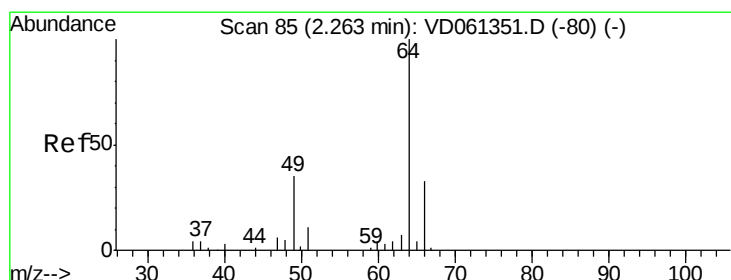
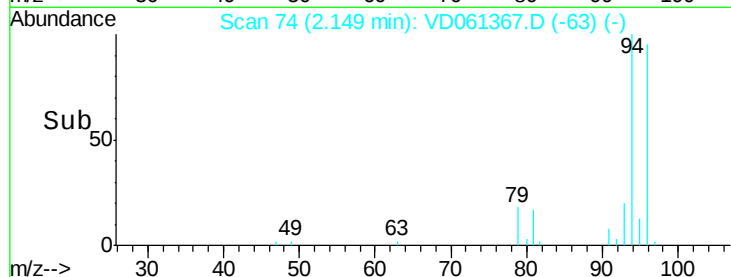
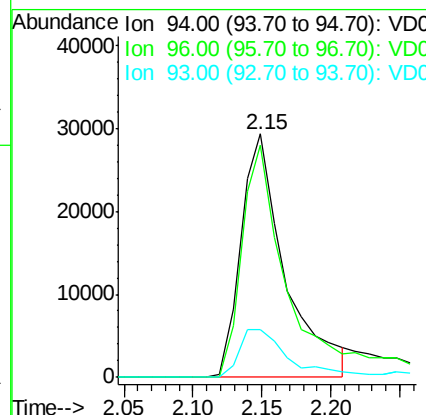
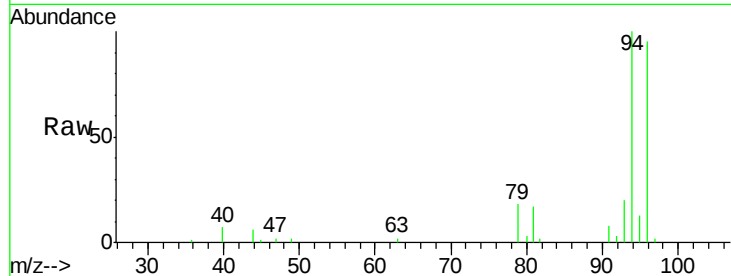




#5
Bromomethane
Concen: 68.730 ug/l
RT: 2.15 min Scan# 74
Delta R.T. 0.00 min
Lab File: VD061367.D
Acq: 27 Mar 2019 23:28

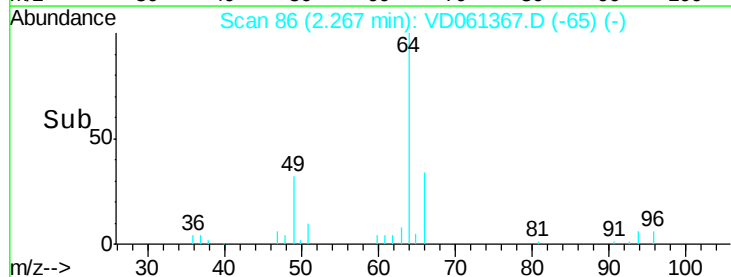
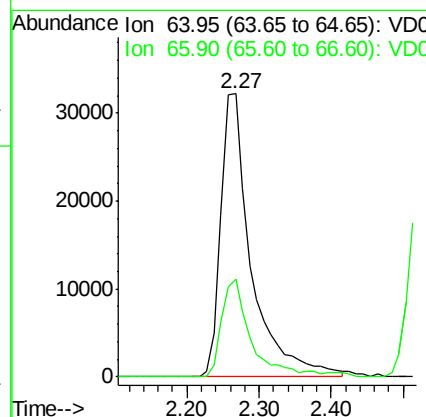
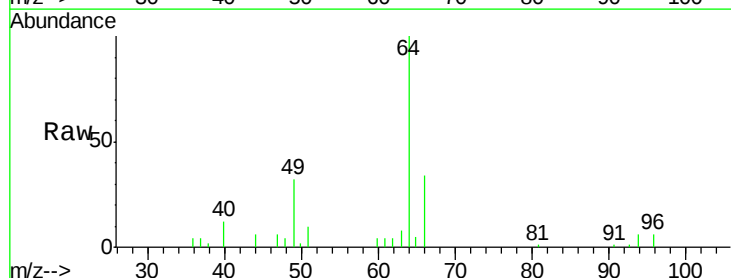
Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion: 94 Resp: 65465
Ion Ratio Lower Upper
94 100
96 95.2 78.3 117.5
93 19.6 15.6 23.4



#6
Chloroethane
Concen: 66.687 ug/l
RT: 2.27 min Scan# 86
Delta R.T. 0.00 min
Lab File: VD061367.D
Acq: 27 Mar 2019 23:28

Tgt Ion: 64 Resp: 93935
Ion Ratio Lower Upper
64 100
66 34.5 26.2 39.2



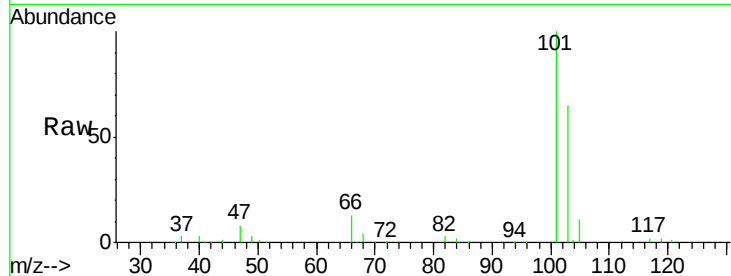


#7

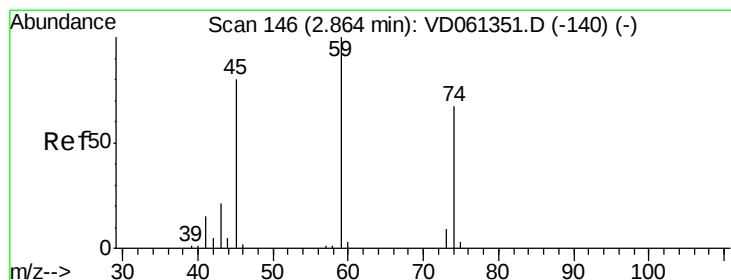
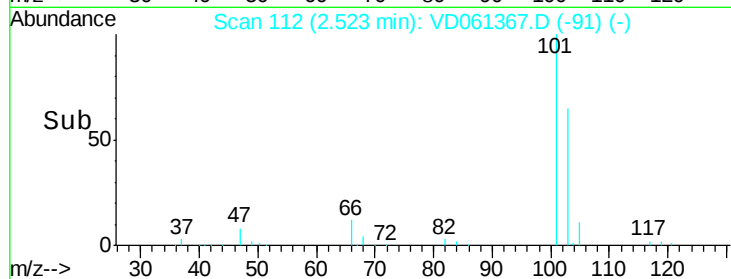
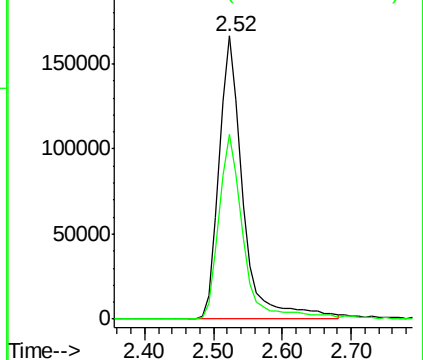
Trichlorofluoromethane
Concen: 57.529 ug/l
RT: 2.52 min Scan# 112
Delta R.T. 0.00 min
Lab File: VD061367.D
Acq: 27 Mar 2019 23:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 401824
Ion Ratio Lower Upper
101 100
103 65.5 53.1 79.7



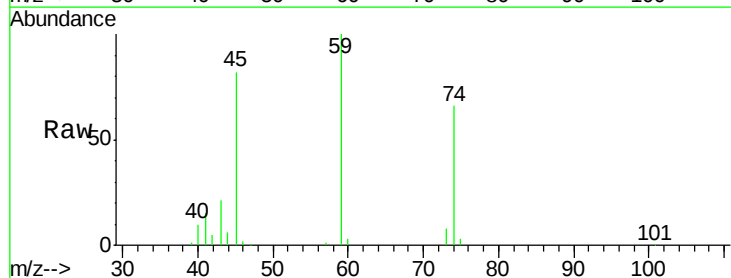
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



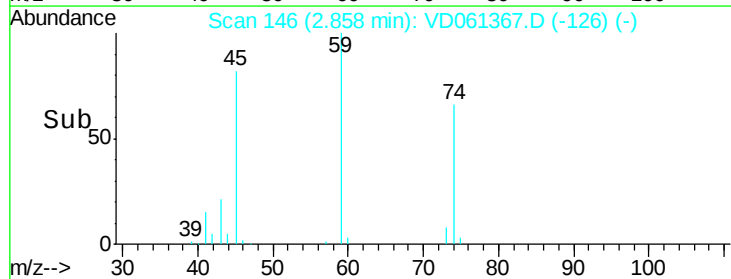
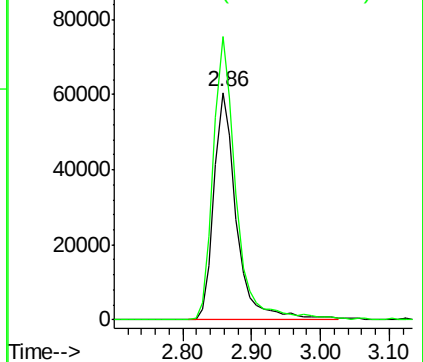
#8

Diethyl Ether
Concen: 61.489 ug/l
RT: 2.86 min Scan# 146
Delta R.T. -0.01 min
Lab File: VD061367.D
Acq: 27 Mar 2019 23:28

Tgt Ion: 74 Resp: 138280
Ion Ratio Lower Upper
74 100
45 124.4 59.7 179.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.073 ug/l

RT: 3.14 min Scan# 175

Delta R.T. 0.00 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

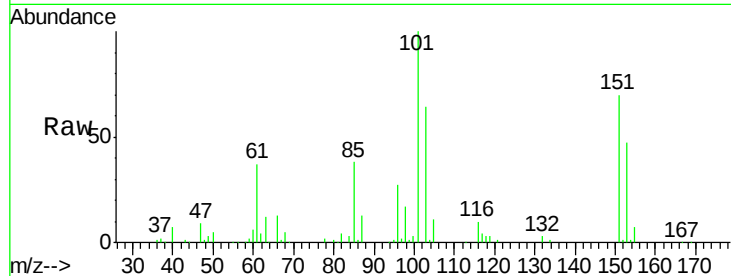
Tot Ion:101 Resp: 428569

Ion Ratio Lower Upper

101 100

85 38.1 29.4 44.0

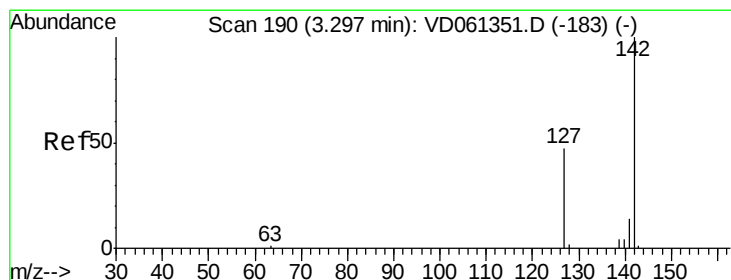
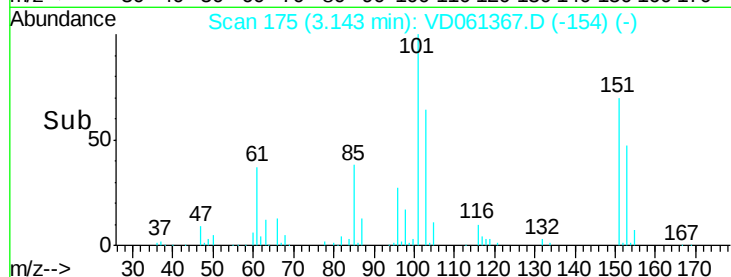
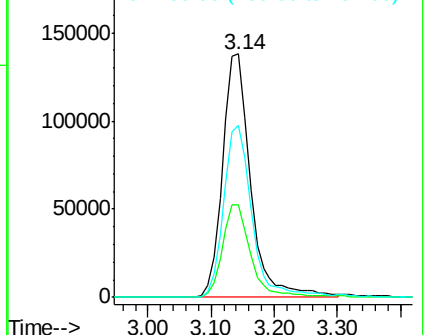
151 70.4 57.0 85.4



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: 54.123 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.00 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

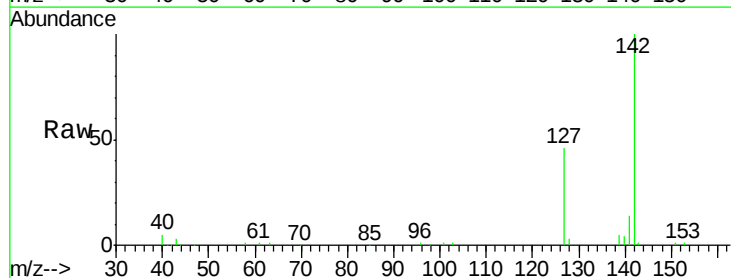
Tgt Ion:142 Resp: 621364

Ion Ratio Lower Upper

142 100

127 46.4 37.7 56.5

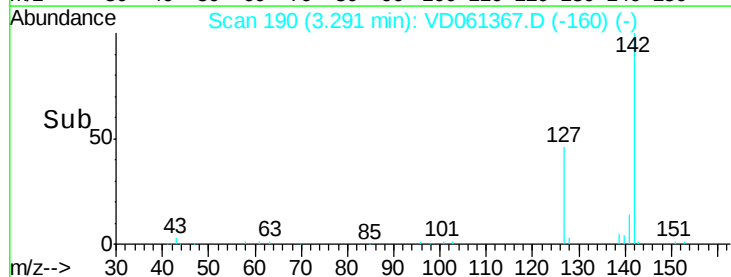
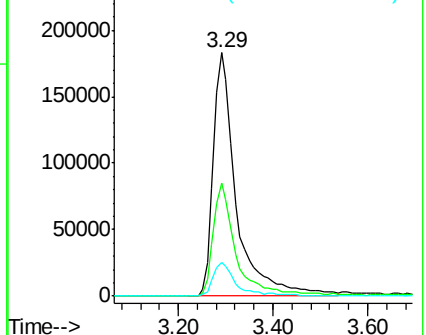
141 13.9 11.5 17.3

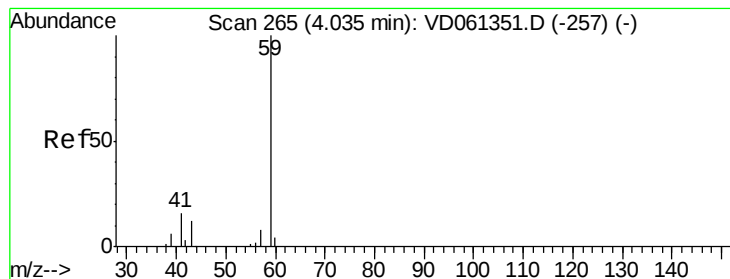


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



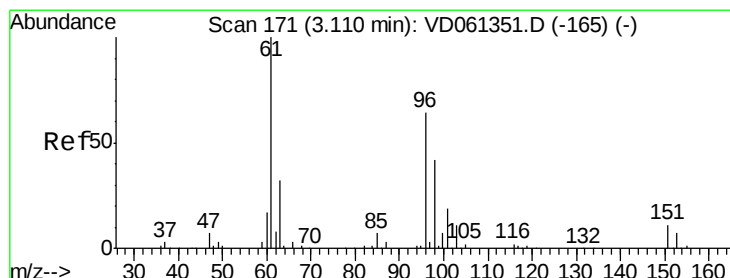
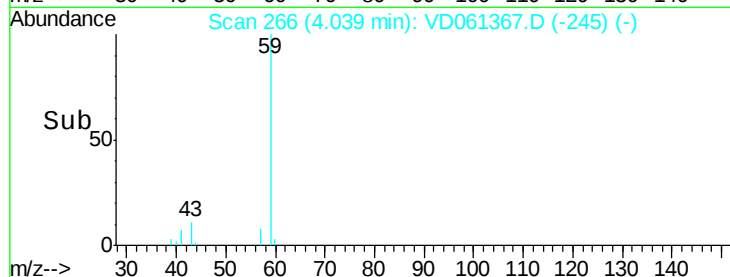
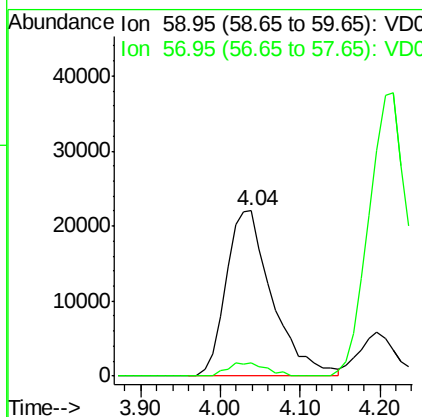
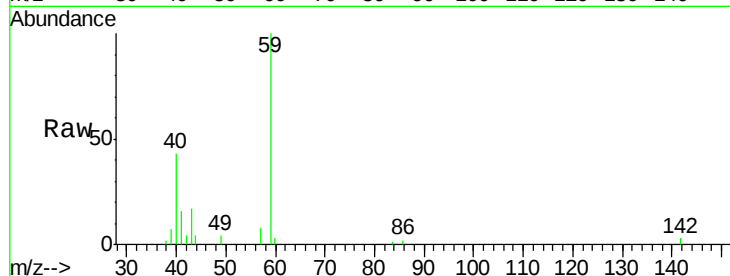


#11

Tert butyl alcohol
 Concen: 277.856 ug/l
 RT: 4.04 min Scan# 266
 Delta R.T. 0.00 min
 Lab File: VD061367.D
 Acq: 27 Mar 2019 23:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

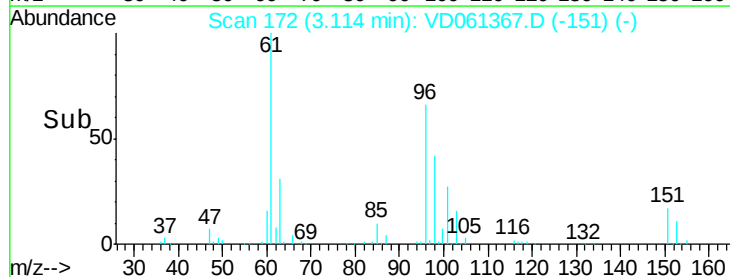
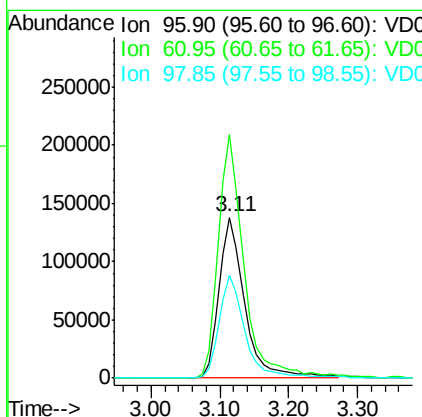
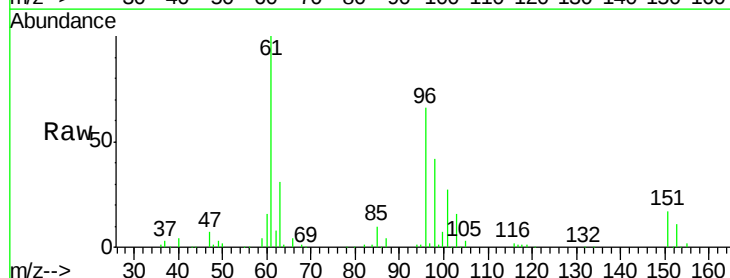
Tot Ion: 59 Resp: 88785
 Ion Ratio Lower Upper
 59 100
 57 7.8 6.7 10.1

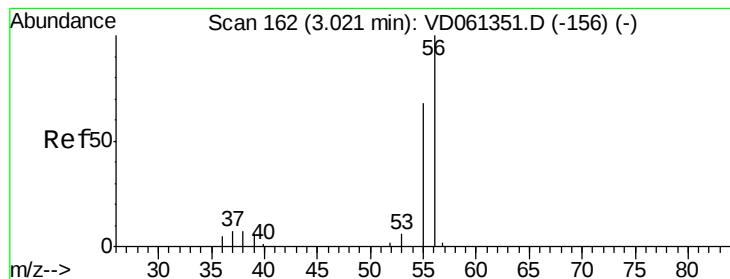


#12

1,1-Dichloroethene
 Concen: 55.563 ug/l
 RT: 3.11 min Scan# 172
 Delta R.T. 0.00 min
 Lab File: VD061367.D
 Acq: 27 Mar 2019 23:28

Tgt Ion: 96 Resp: 358217
 Ion Ratio Lower Upper
 96 100
 61 151.3 124.9 187.3
 98 64.1 52.5 78.7





#13

Acrolein

Concen: 238.457 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

Instrument :

MSVOA_D

ClientSampleId :

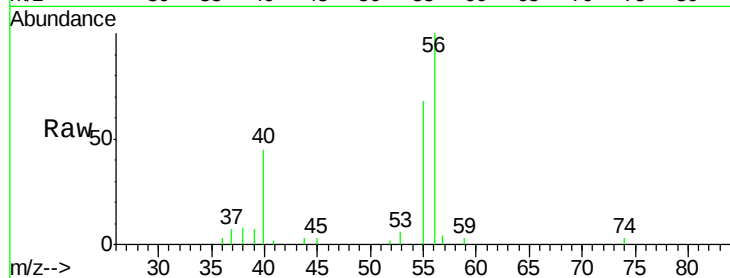
VSTDCCC050

Tot Ion: 56 Resp: 58312

Ion Ratio Lower Upper

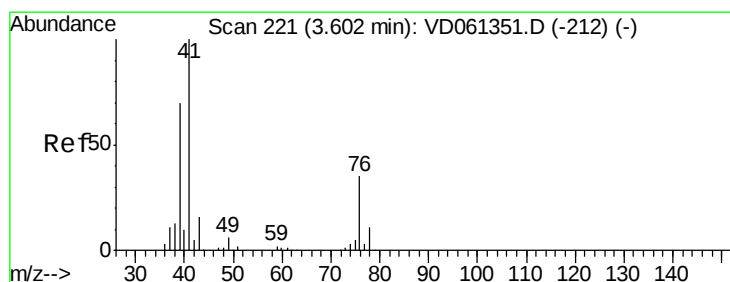
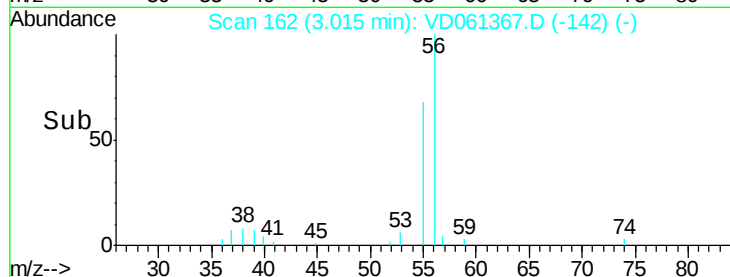
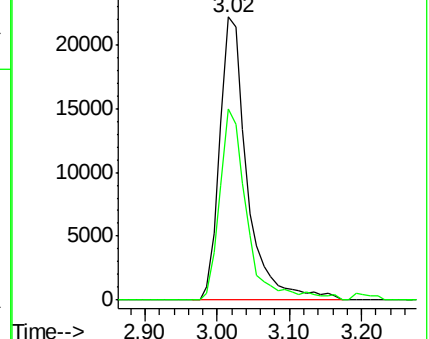
56 100

55 67.6 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 58.203 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

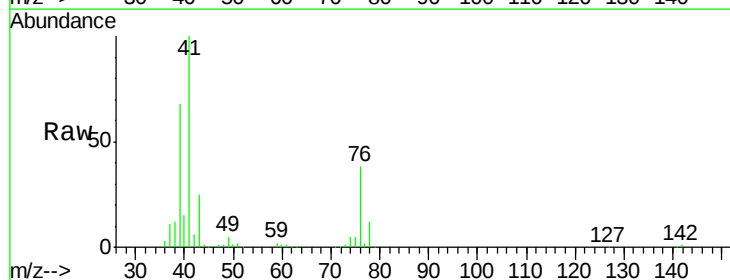
Tgt Ion: 41 Resp: 523373

Ion Ratio Lower Upper

41 100

39 68.2 55.6 83.4

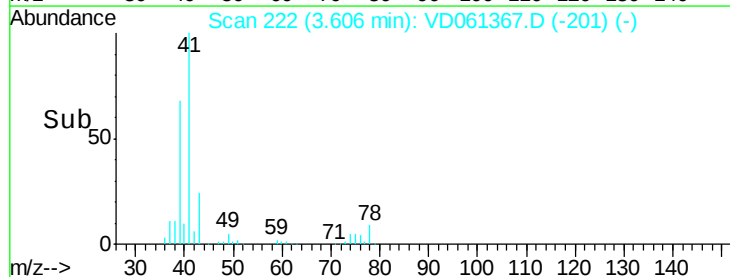
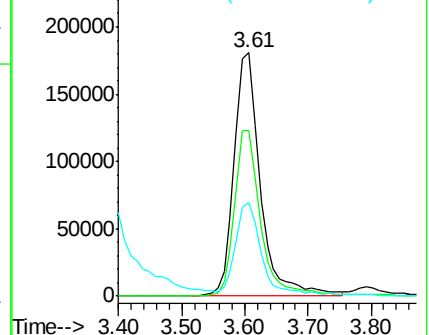
76 38.4 31.0 46.6



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

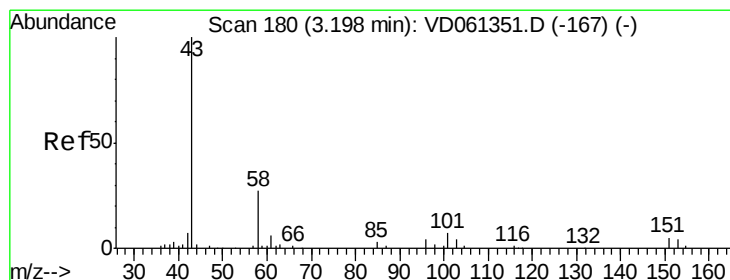
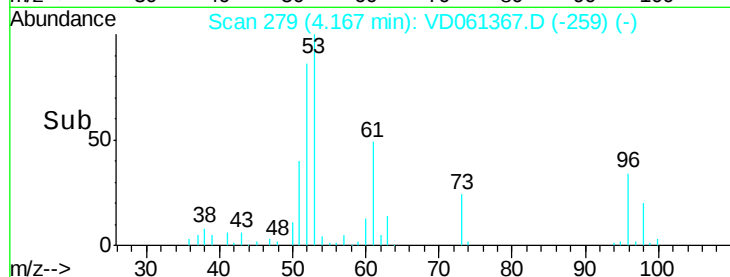
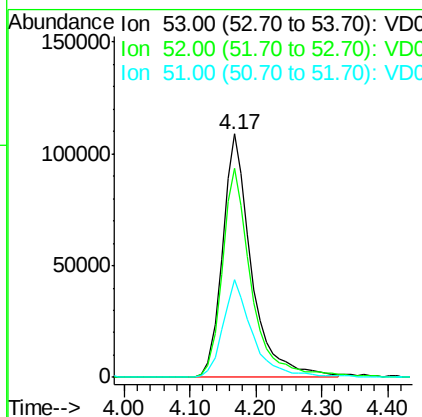
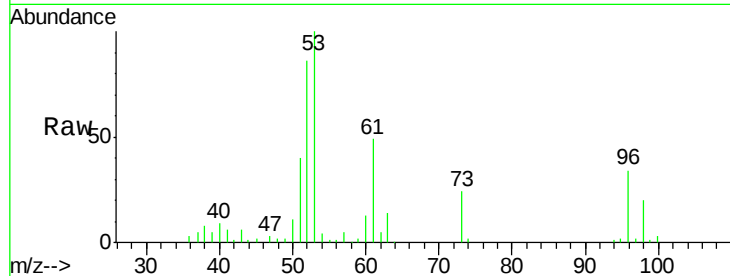




#15
 Acrylonitrile
 Concen: 302.336 ug/l
 RT: 4.17 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VD061367.D
 Acq: 27 Mar 2019 23:28

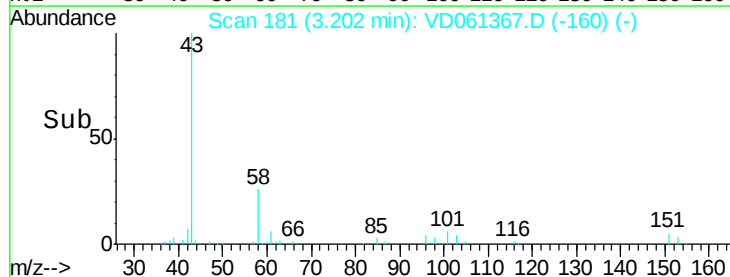
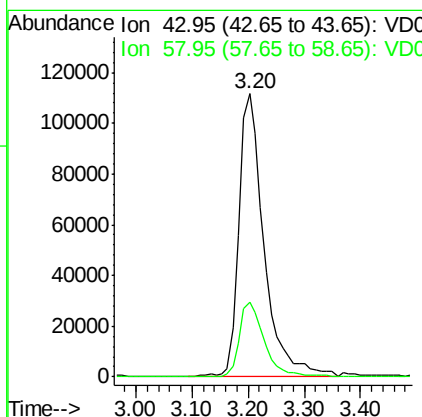
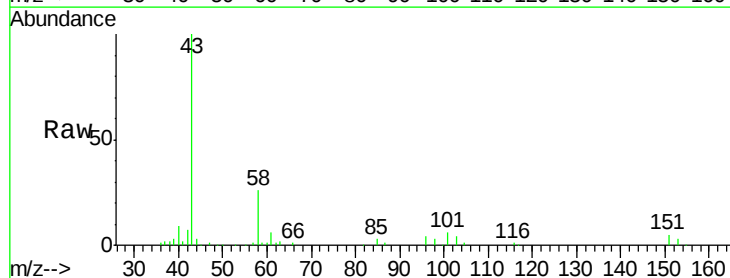
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

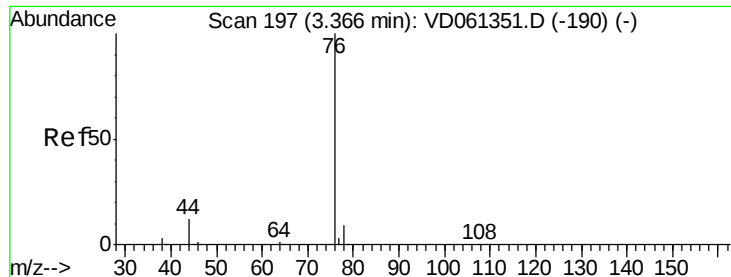
Tot Ion: 53 Resp: 335304
 Ion Ratio Lower Upper
 53 100
 52 85.9 64.8 97.2
 51 40.1 31.4 47.2



#16
 Acetone
 Concen: 263.945 ug/l
 RT: 3.20 min Scan# 181
 Delta R.T. 0.00 min
 Lab File: VD061367.D
 Acq: 27 Mar 2019 23:28

Tgt Ion: 43 Resp: 348138
 Ion Ratio Lower Upper
 43 100
 58 26.4 21.5 32.3

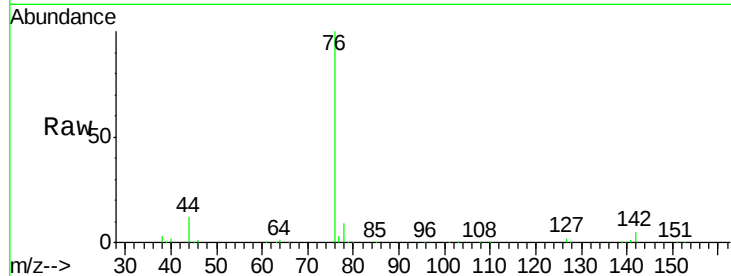




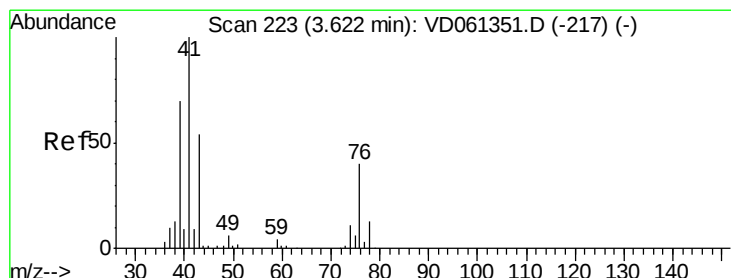
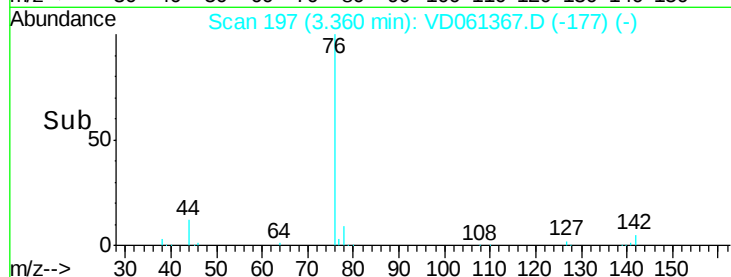
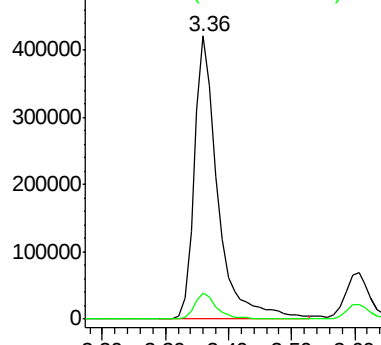
#17
Carbon Disulfide
Concen: 52.125 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.01 min
Lab File: VD061367.D
Acq: 27 Mar 2019 23:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1091860
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7

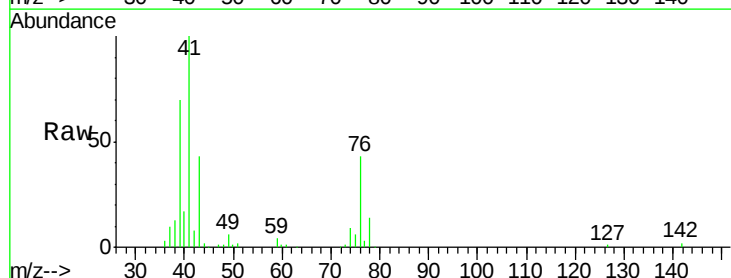


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

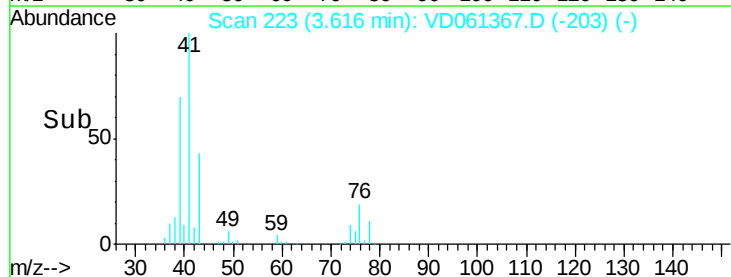
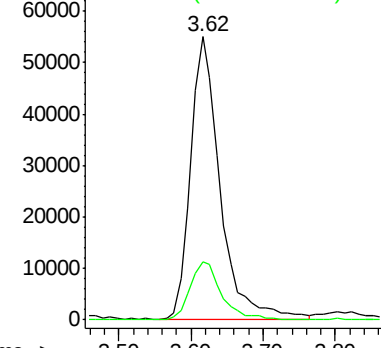


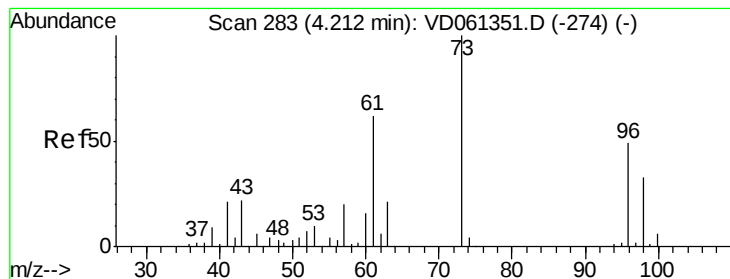
#18
Methyl Acetate
Concen: 56.363 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.01 min
Lab File: VD061367.D
Acq: 27 Mar 2019 23:28

Tgt Ion: 43 Resp: 156306
Ion Ratio Lower Upper
43 100
74 20.8 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



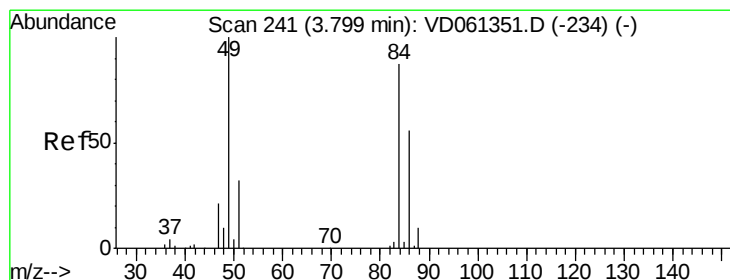
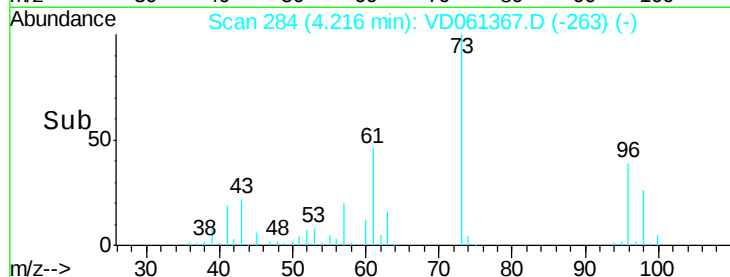
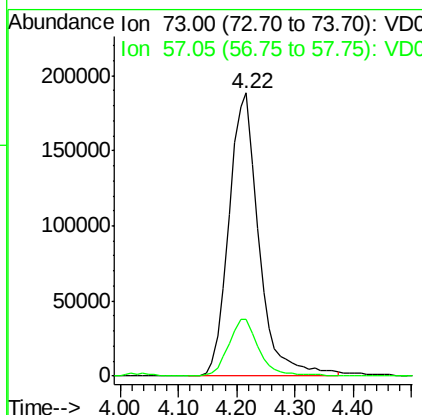
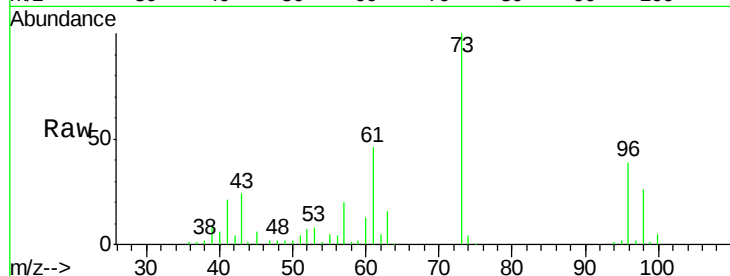


#19

Methyl tert-butyl Ether
 Concen: 60.414 ug/l
 RT: 4.22 min Scan# 284
 Delta R.T. 0.00 min
 Lab File: VD061367.D
 Acq: 27 Mar 2019 23:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

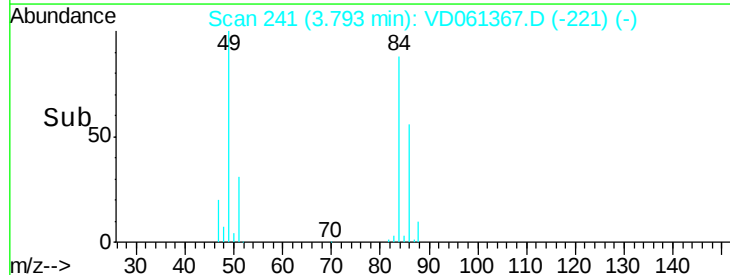
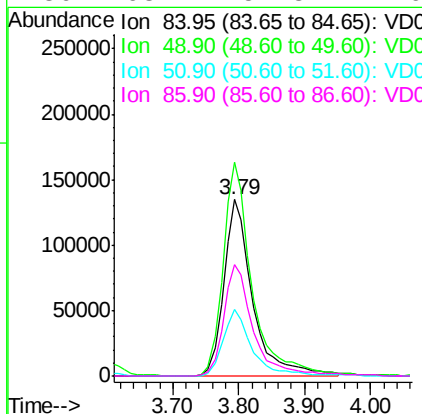
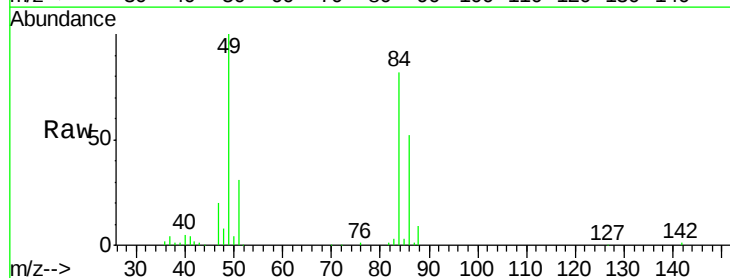
Tot Ion: 73 Resp: 674206
 Ion Ratio Lower Upper
 73 100
 57 20.0 16.4 24.6

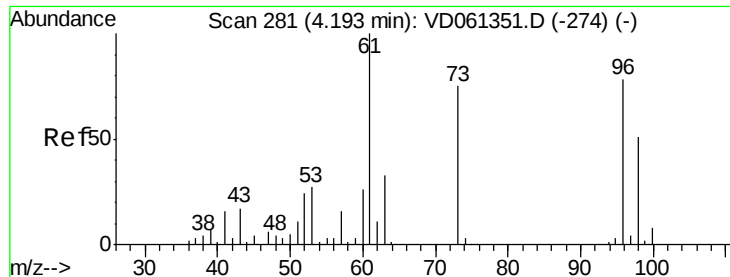


#20

Methylene Chloride
 Concen: 55.893 ug/l
 RT: 3.79 min Scan# 241
 Delta R.T. -0.00 min
 Lab File: VD061367.D
 Acq: 27 Mar 2019 23:28

Tgt Ion: 84 Resp: 411312
 Ion Ratio Lower Upper
 84 100
 49 121.3 91.8 137.8
 51 37.6 29.8 44.8
 86 63.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 57.721 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

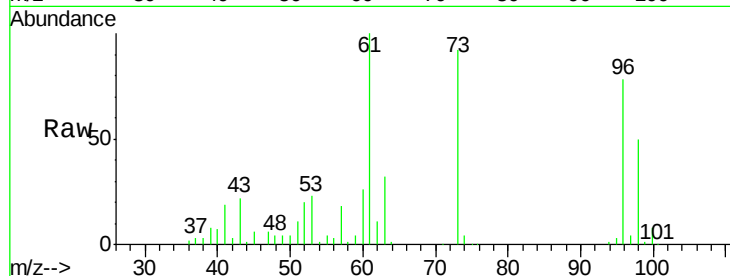
Tot Ion: 96 Resp: 401763

Ion Ratio Lower Upper

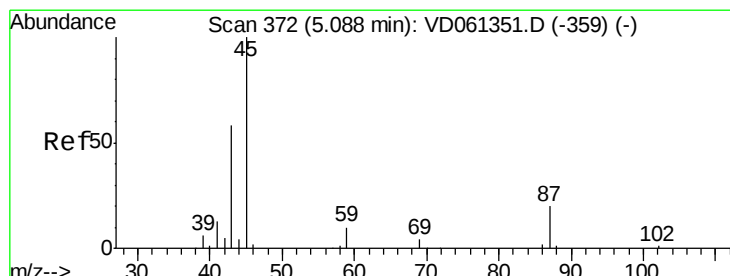
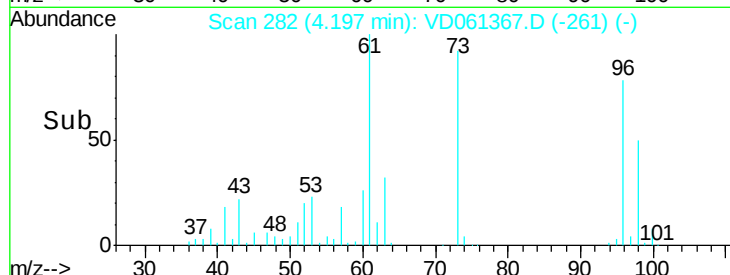
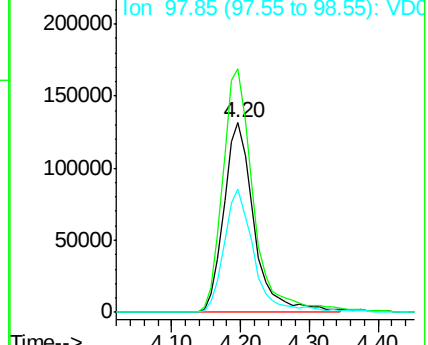
96 100

61 128.3 102.7 154.1

98 64.8 52.2 78.4



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



#22

Diisopropyl ether

Concen: 59.523 ug/l

RT: 5.08 min Scan# 372

Delta R.T. -0.01 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

Tgt Ion: 45 Resp: 1132653

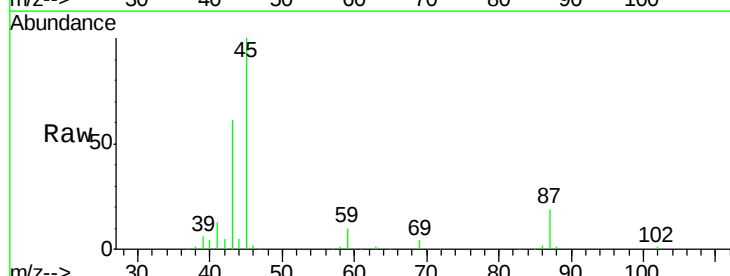
Ion Ratio Lower Upper

45 100

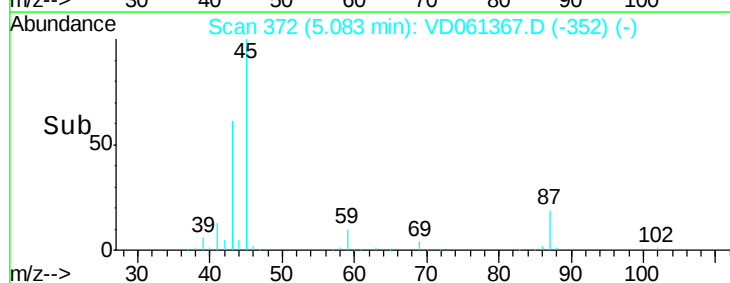
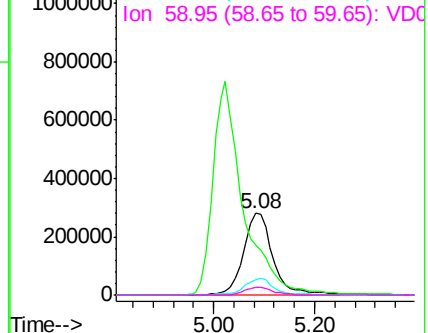
43 61.3 47.4 71.2

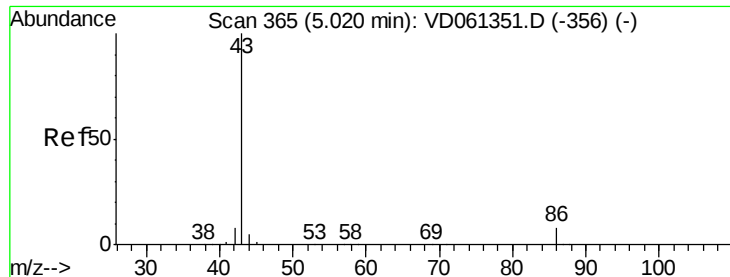
87 19.5 16.3 24.5

59 10.0 8.4 12.6



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





#23

Vinyl Acetate

Concen: 294.504 ug/l

RT: 5.02 min Scan# 366

Delta R.T. 0.00 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

Instrument :

MSVOA_D

ClientSampleId :

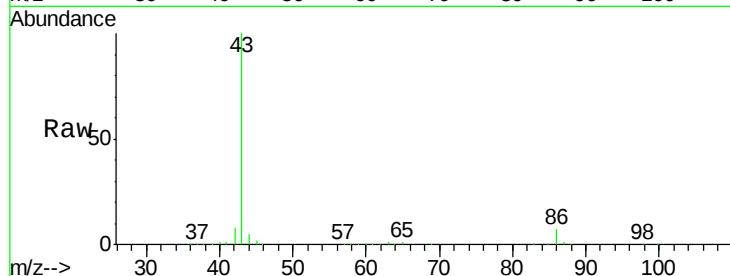
VSTDCCC050

Tot Ion: 43 Resp: 3044075

Ion Ratio Lower Upper

43 100

86 7.5 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.02

800000

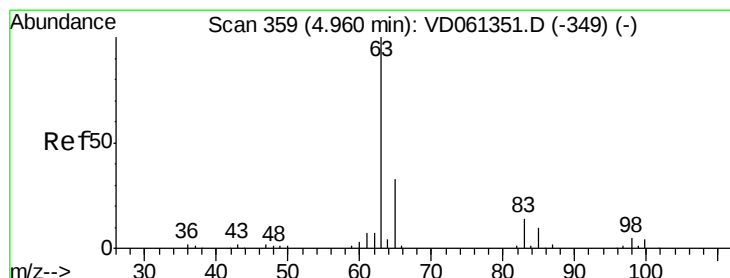
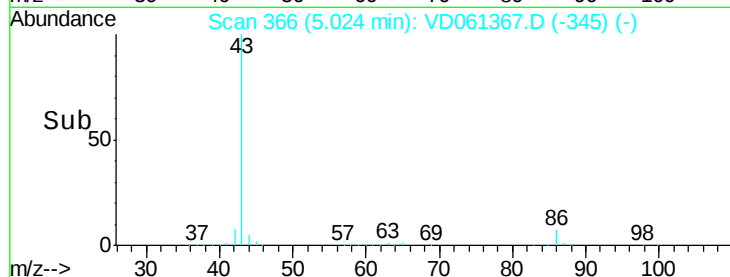
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 59.295 ug/l

RT: 4.95 min Scan# 359

Delta R.T. -0.01 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

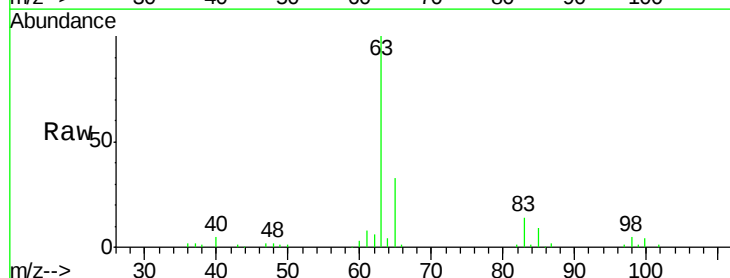
Tgt Ion: 63 Resp: 663098

Ion Ratio Lower Upper

63 100

98 5.4 2.6 8.0

100 3.7 1.8 5.3



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

250000

200000

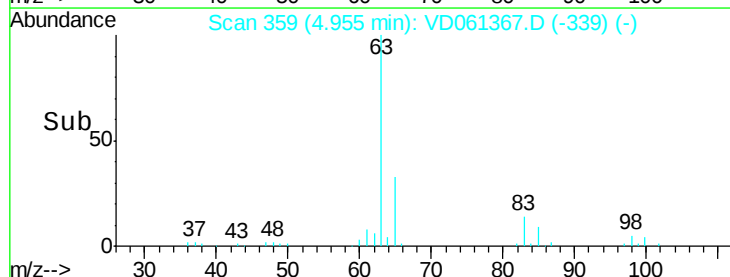
150000

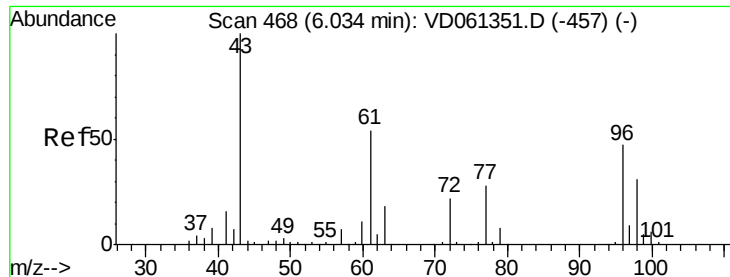
100000

50000

0

Time-->





#25

2-Butanone

Concen: 283.797 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

Instrument :

MSVOA_D

ClientSampleId :

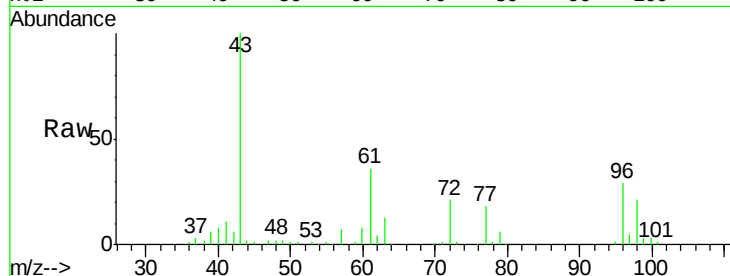
VSTDCCC050

Tot Ion: 43 Resp: 470865

Ion Ratio Lower Upper

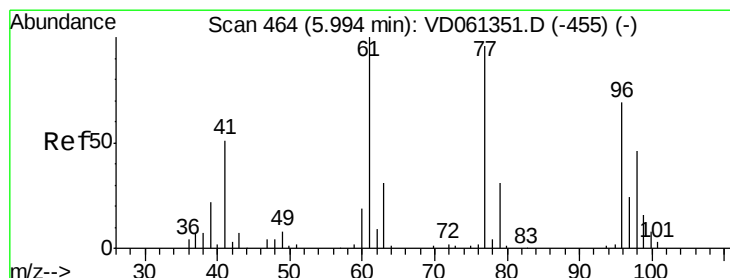
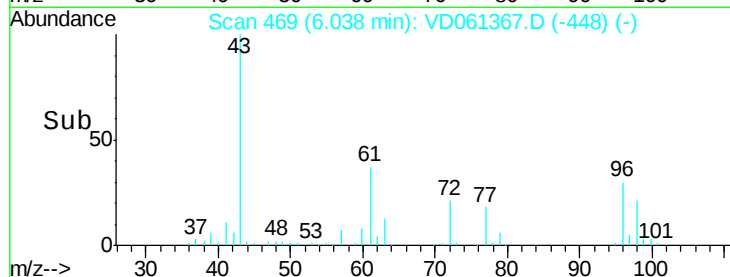
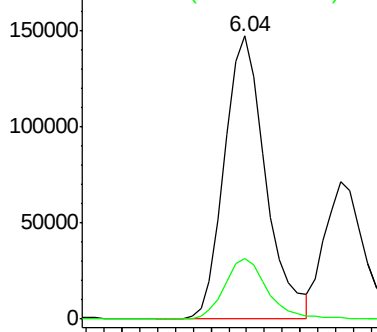
43 100

72 21.4 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 54.920 ug/l

RT: 5.99 min Scan# 464

Delta R.T. -0.01 min

Lab File: VD061367.D

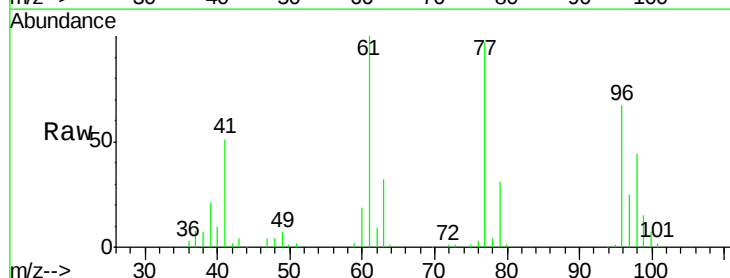
Acq: 27 Mar 2019 23:28

Tgt Ion: 77 Resp: 488227

Ion Ratio Lower Upper

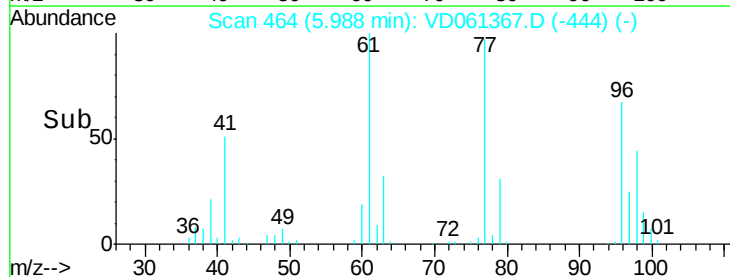
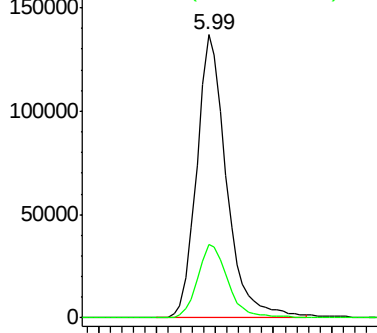
77 100

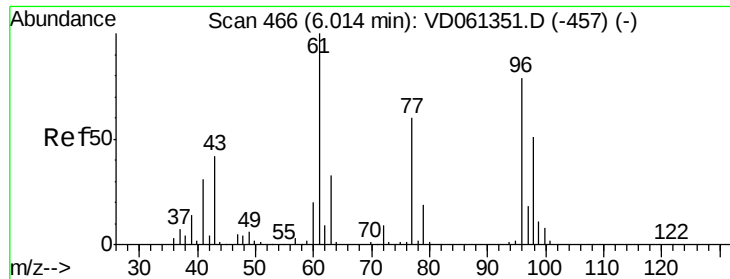
97 25.9 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



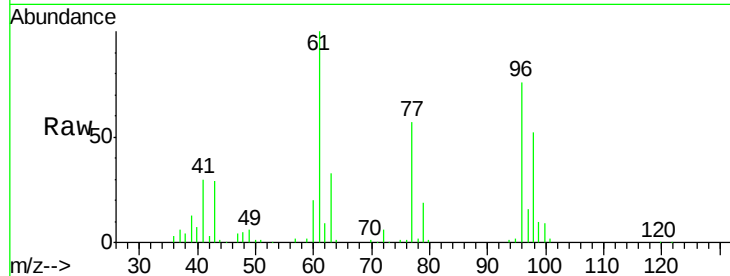


#27

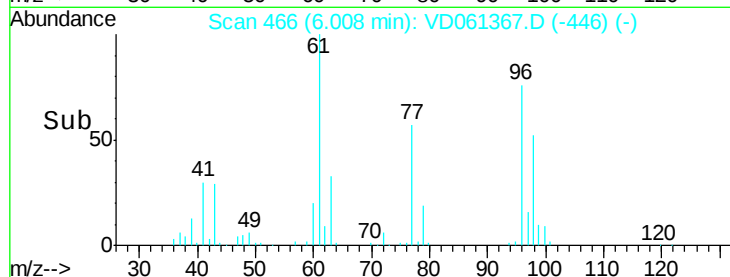
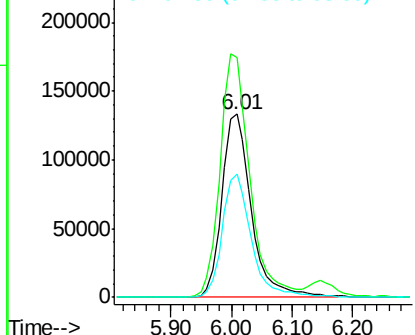
cis-1,2-Dichloroethene
Concen: 59.035 ug/l
RT: 6.01 min Scan# 466
Delta R.T. -0.01 min
Lab File: VD061367.D
Acq: 27 Mar 2019 23:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 450210
Ion Ratio Lower Upper
96 100
61 130.9 0.0 251.6
98 67.6 0.0 129.2



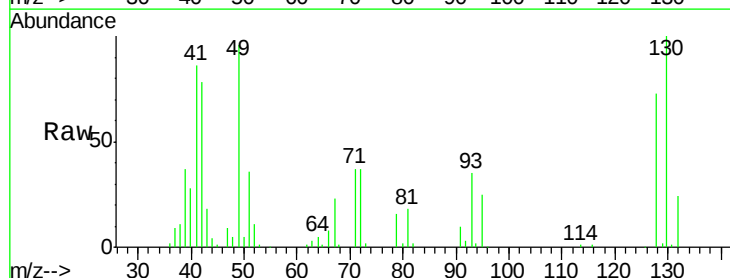
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



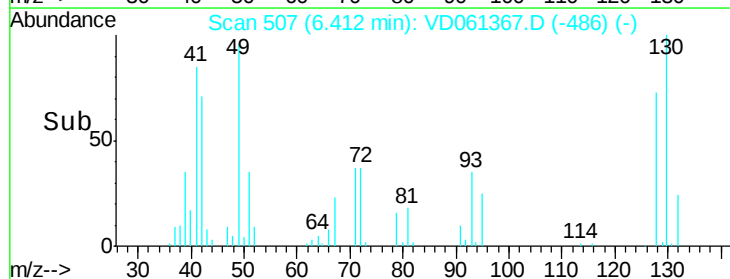
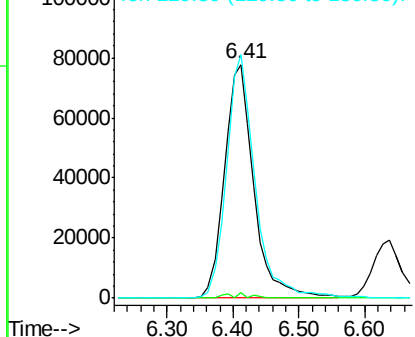
#28

Bromochloromethane
Concen: 53.457 ug/l
RT: 6.41 min Scan# 507
Delta R.T. 0.00 min
Lab File: VD061367.D
Acq: 27 Mar 2019 23:28

Tgt Ion: 49 Resp: 241317
Ion Ratio Lower Upper
49 100
129 2.5 0.0 0.0#
130 104.3 78.4 117.6



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: 289.006 ug/l

RT: 6.42 min Scan# 508

Delta R.T. 0.00 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

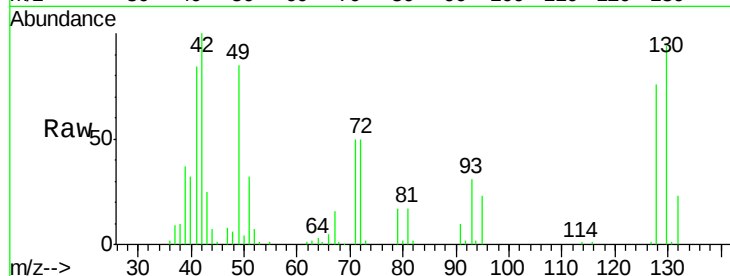
Tot Ion: 42 Resp: 232415

Ion Ratio Lower Upper

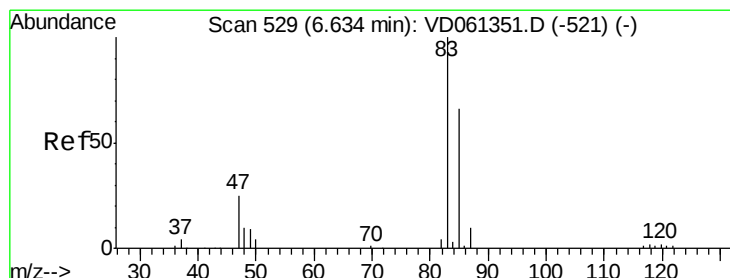
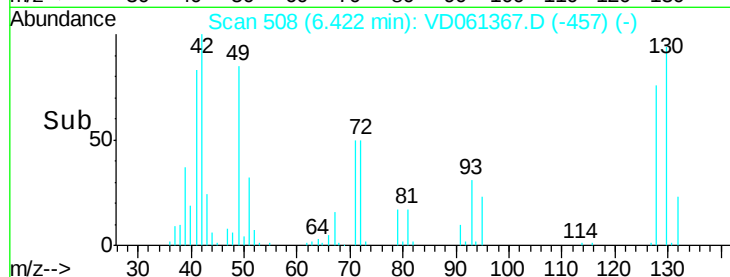
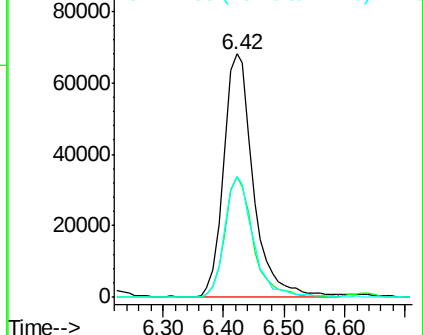
42 100

72 47.2 37.4 56.0

71 47.6 36.7 55.1



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



#30

Chloroform

Concen: 59.259 ug/l

RT: 6.64 min Scan# 530

Delta R.T. 0.00 min

Lab File: VD061367.D

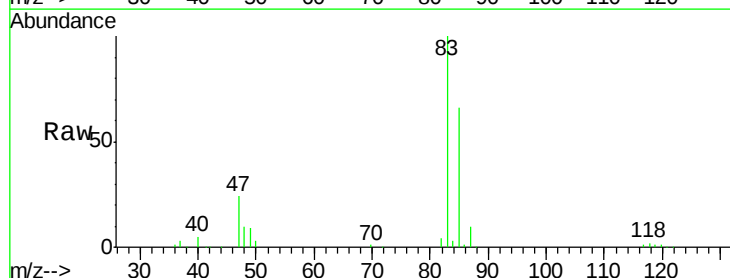
Acq: 27 Mar 2019 23:28

Tgt Ion: 83 Resp: 684739

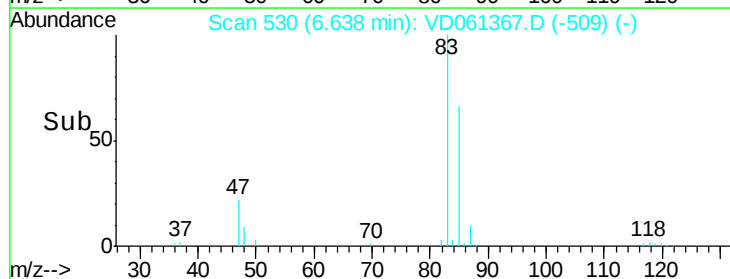
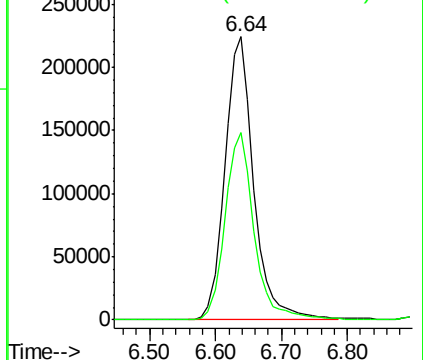
Ion Ratio Lower Upper

83 100

85 66.0 53.0 79.4



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





#31

Cvclohexane

Concen: 52.233 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

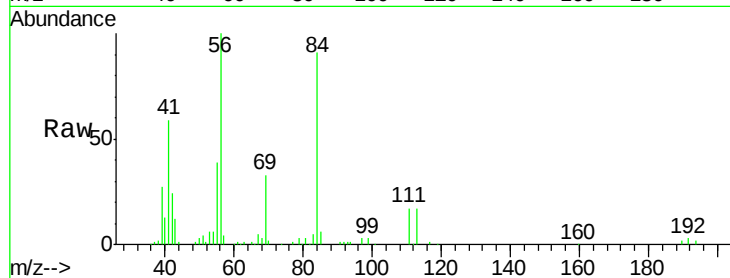
Tot Ion: 56 Resp: 461596

Ion Ratio Lower Upper

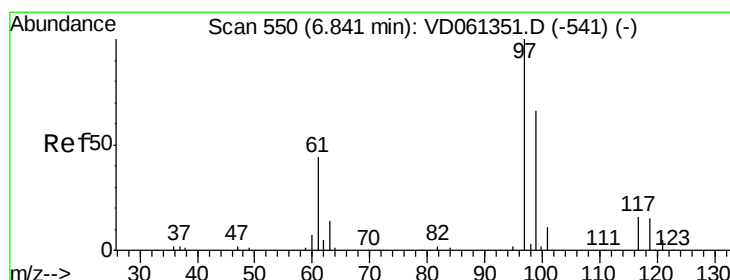
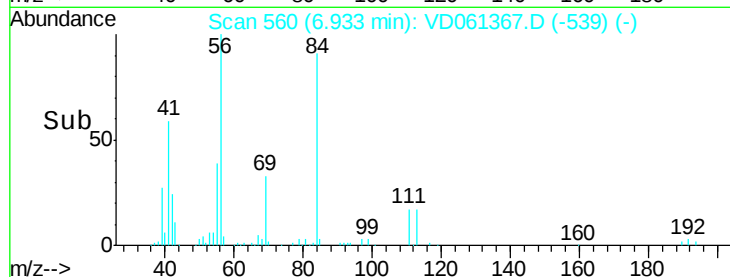
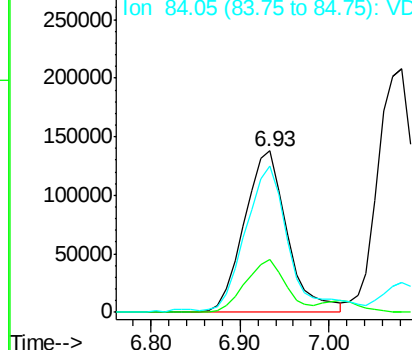
56 100

69 32.9 25.7 38.5

84 90.9 70.6 105.8



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: 57.780 ug/l

RT: 6.84 min Scan# 551

Delta R.T. 0.00 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

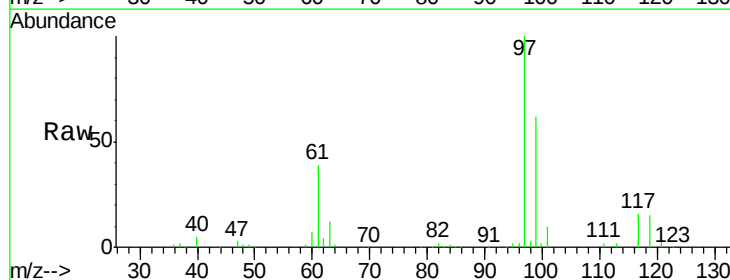
Tgt Ion: 97 Resp: 589020

Ion Ratio Lower Upper

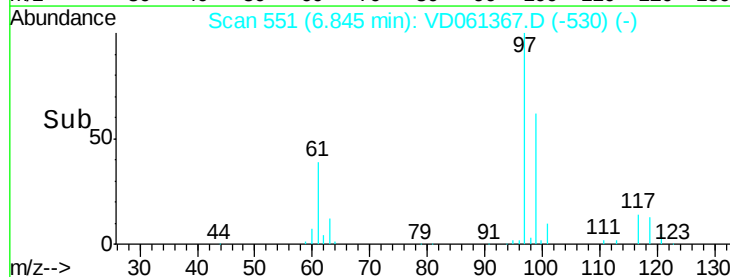
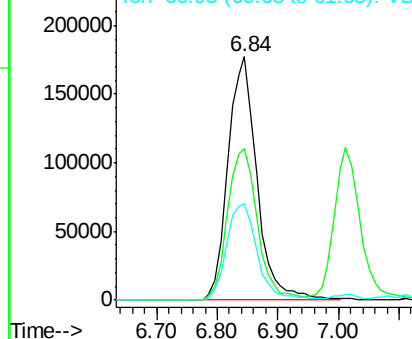
97 100

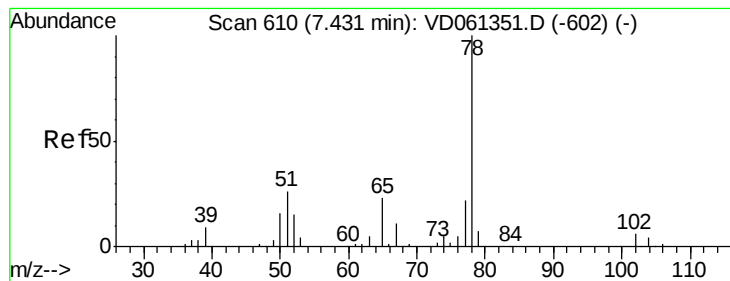
99 62.0 53.1 79.7

61 39.5 35.5 53.3



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: 57.780 ug/l

RT: 7.42 min Scan# 609

Delta R.T. -0.02 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

Instrument :

MSVOA_D

ClientSampleId :

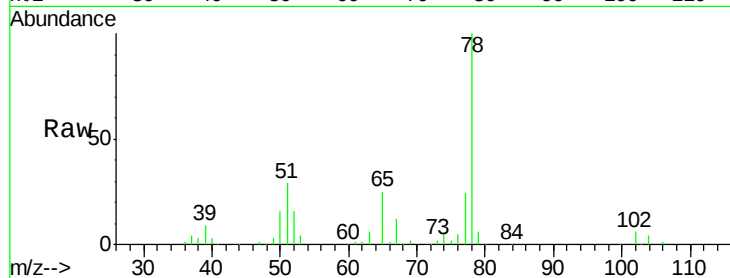
VSTDCCC050

Tot Ion: 65 Resp: 273102

Ion Ratio Lower Upper

65 100

67 48.8 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.42

100000

80000

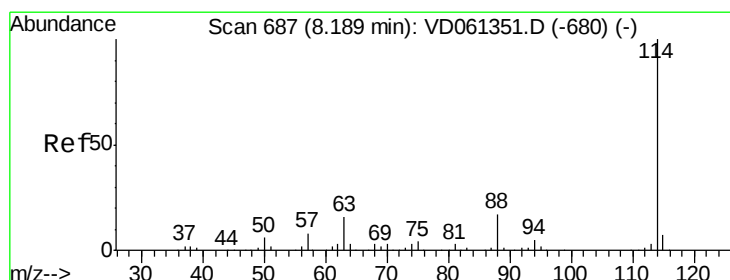
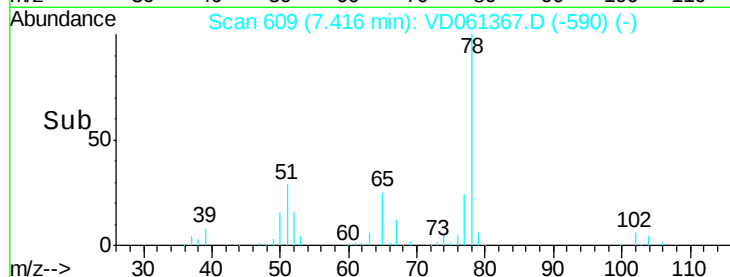
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.19 min Scan# 688

Delta R.T. 0.00 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

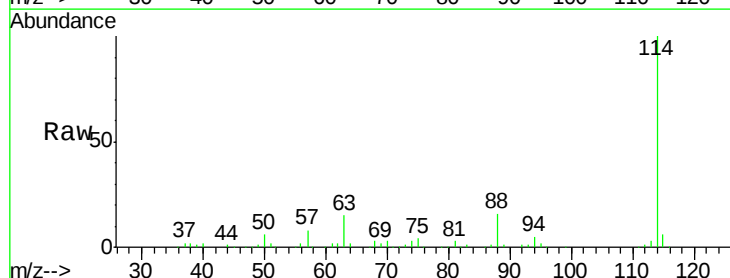
Tgt Ion:114 Resp: 1092801

Ion Ratio Lower Upper

114 100

63 15.0 0.0 31.6

88 16.2 0.0 33.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.19

500000

400000

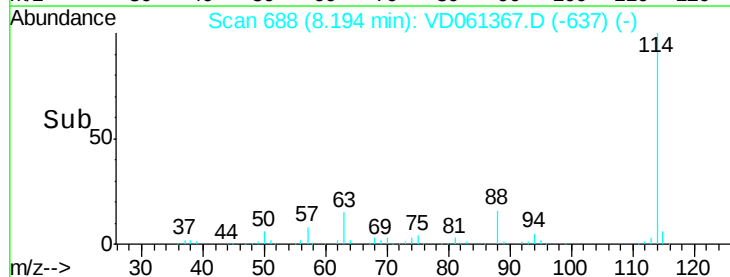
300000

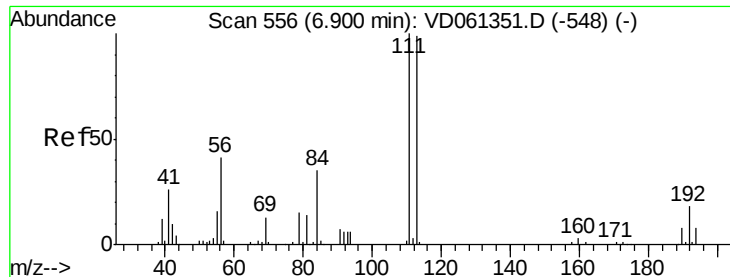
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.89 min Scan# 556

Delta R.T. -0.01 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

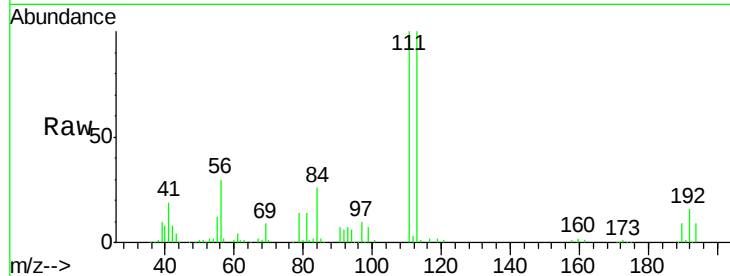
Tot Ion:113 Resp: 431018

Ion Ratio Lower Upper

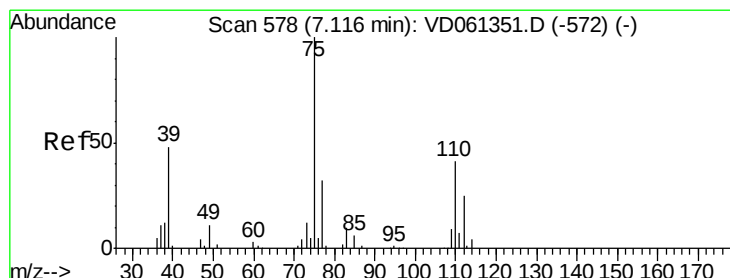
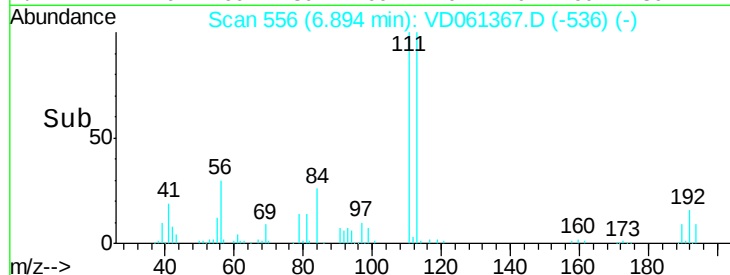
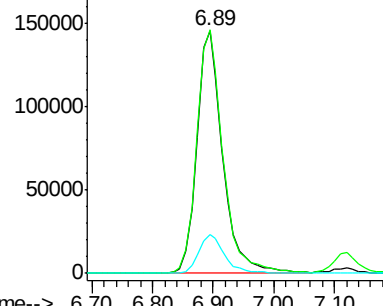
113 100

111 100.4 81.0 121.6

192 15.9 14.4 21.6



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: 50.694 ug/l

RT: 7.12 min Scan# 579

Delta R.T. 0.00 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

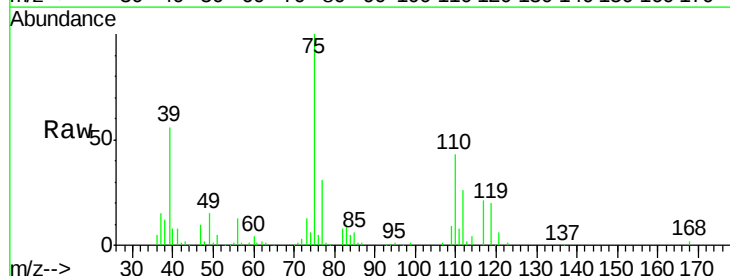
Tgt Ion: 75 Resp: 483506

Ion Ratio Lower Upper

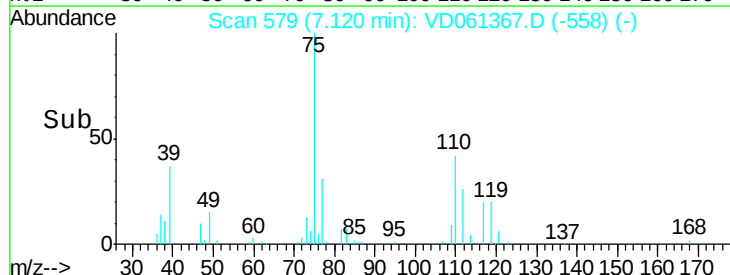
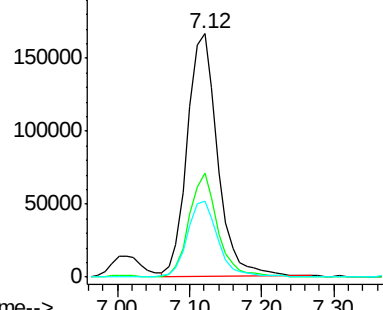
75 100

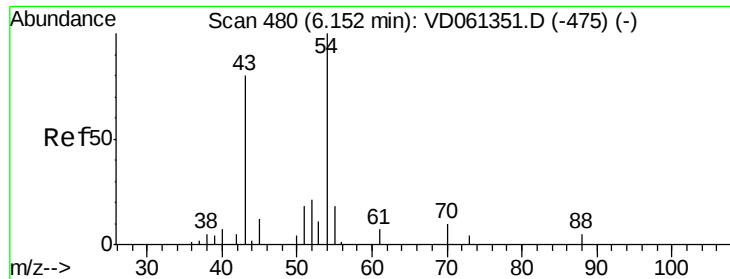
110 43.0 20.4 61.3

77 31.4 24.9 37.3



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

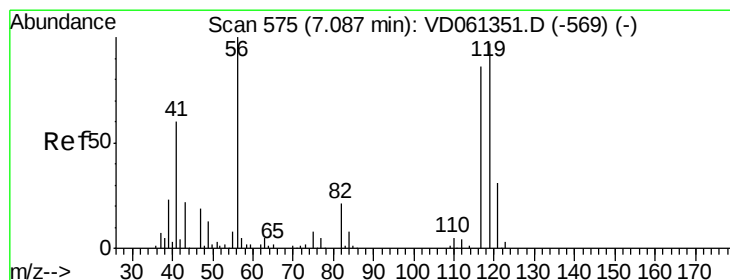
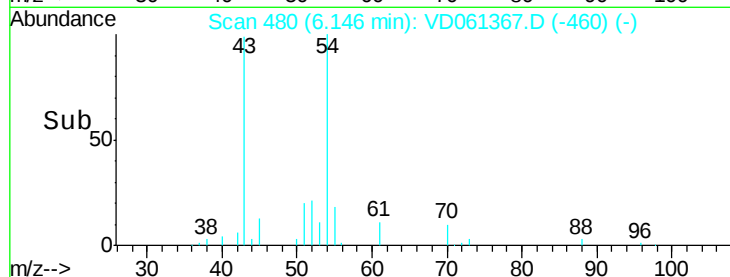
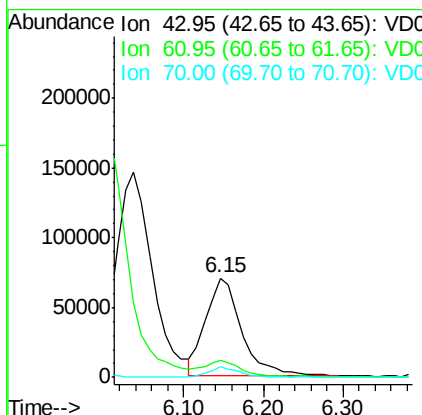
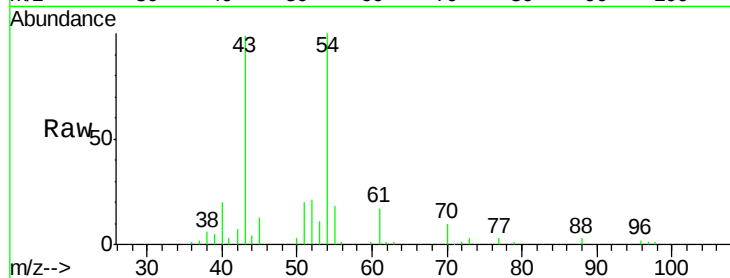




#37
Ethyl Acetate
Concen: 54.119 ug/l
RT: 6.15 min Scan# 480
Delta R.T. -0.01 min
Lab File: VD061367.D
Acq: 27 Mar 2019 23:28

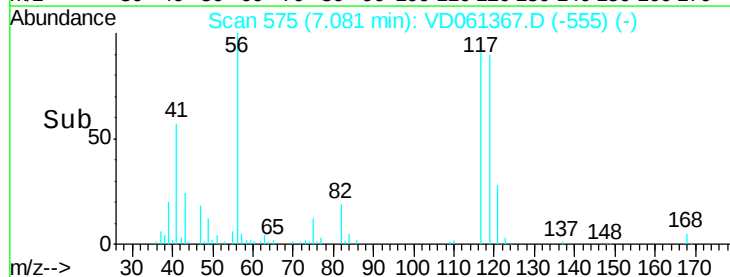
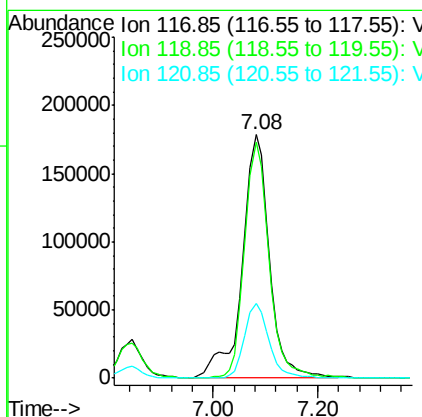
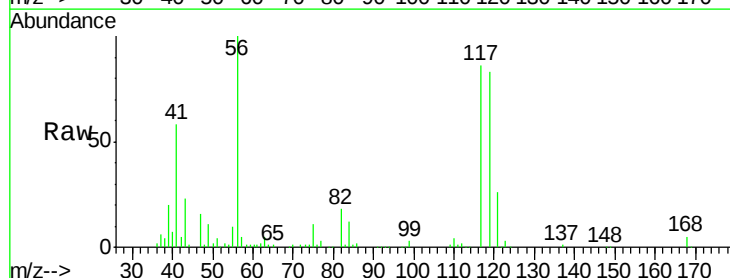
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

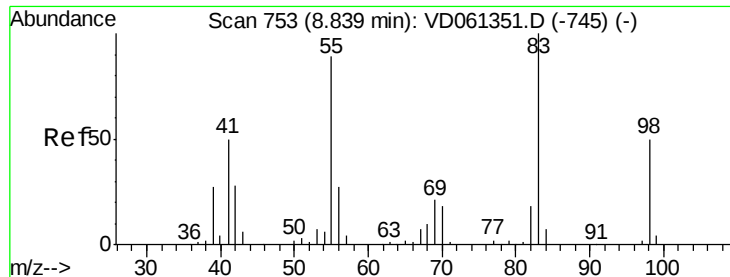
Tot Ion: 43 Resp: 220753
Ion Ratio Lower Upper
43 100
61 17.1 13.8 20.8
70 10.2 7.8 11.8



#38
Carbon Tetrachloride
Concen: 56.751 ug/l
RT: 7.08 min Scan# 575
Delta R.T. -0.01 min
Lab File: VD061367.D
Acq: 27 Mar 2019 23:28

Tgt Ion: 117 Resp: 616302
Ion Ratio Lower Upper
117 100
119 96.8 80.1 120.1
121 30.5 25.6 38.4

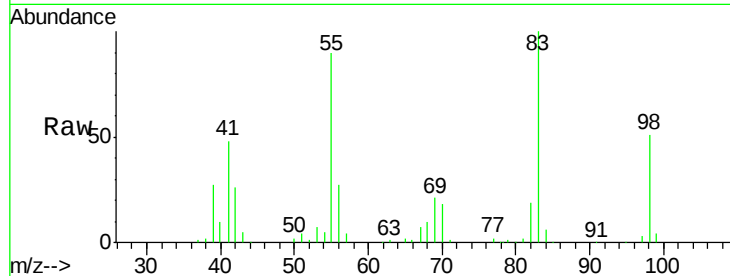




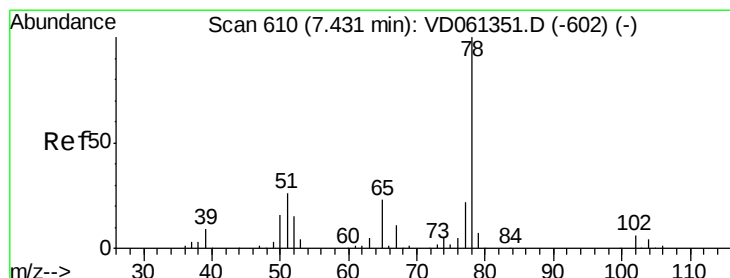
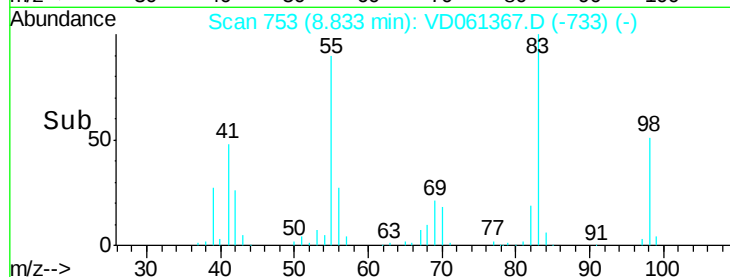
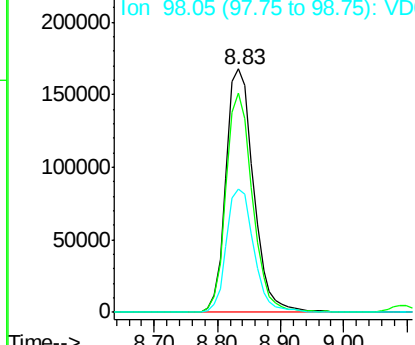
#39
Methvlcvclohexane
Concen: 51.176 ug/l
RT: 8.83 min Scan# 753
Delta R.T. -0.01 min
Lab File: VD061367.D
Acq: 27 Mar 2019 23:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 508354
Ion Ratio Lower Upper
83 100
55 89.9 71.5 107.3
98 50.9 40.3 60.5

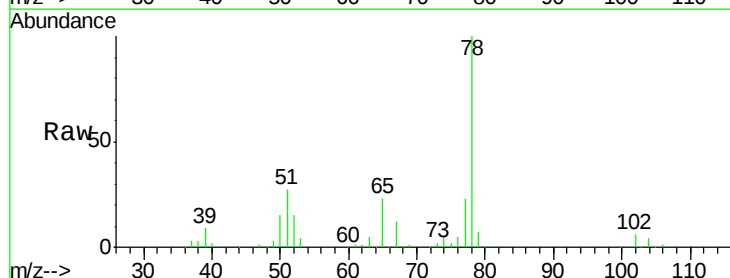


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

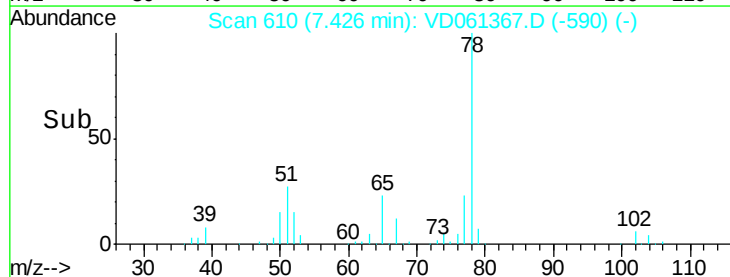
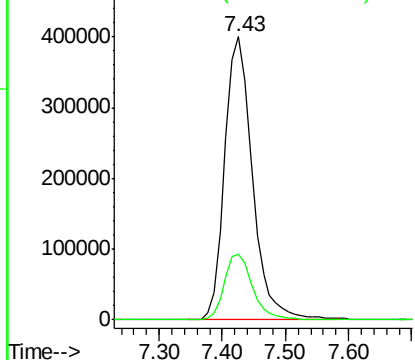


#40
Benzene
Concen: 51.168 ug/l
RT: 7.43 min Scan# 610
Delta R.T. -0.01 min
Lab File: VD061367.D
Acq: 27 Mar 2019 23:28

Tgt Ion: 78 Resp: 1224802
Ion Ratio Lower Upper
78 100
77 23.3 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

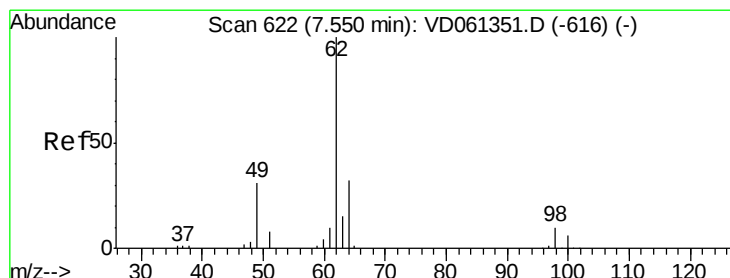
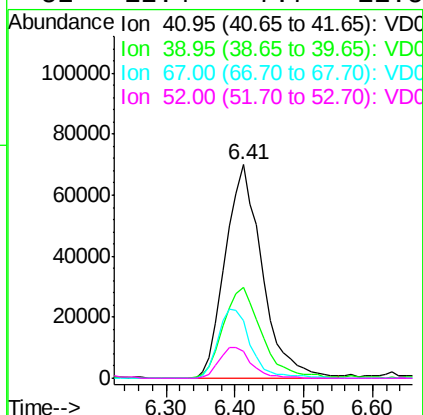
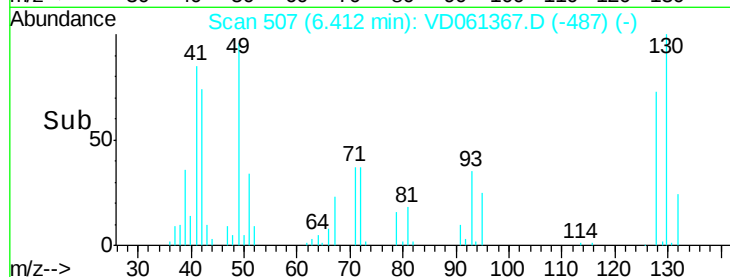
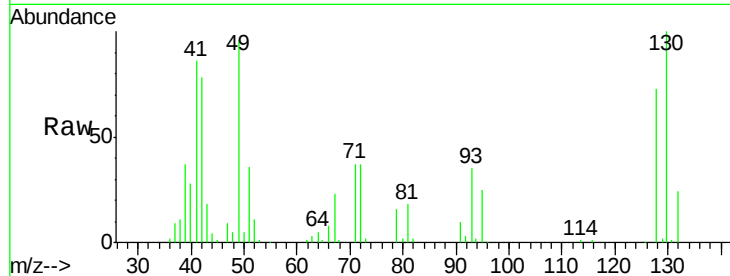




#41
Methacrylonitrile
Concen: 54.572 ug/l
RT: 6.41 min Scan# 507
Delta R.T. -0.01 min
Lab File: VD061367.D
Acq: 27 Mar 2019 23:28

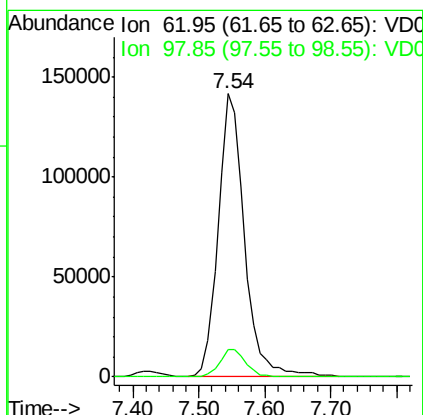
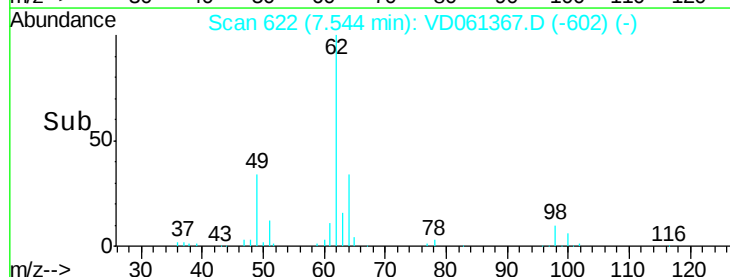
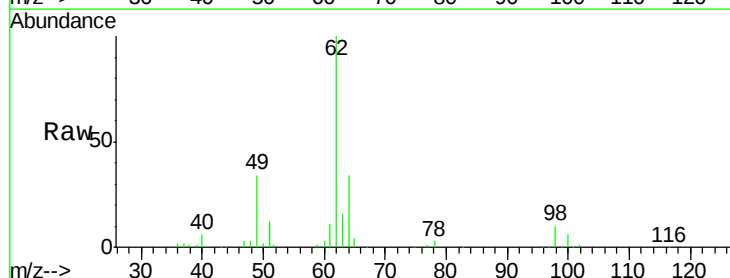
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

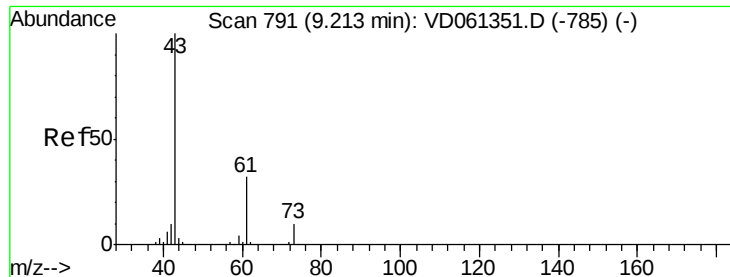
Tot Ion: 41 Resp: 260276
Ion Ratio Lower Upper
41 100
39 42.7 35.0 52.6
67 27.1 21.0 31.6
52 12.4 7.7 11.5#



#42
1,2-Dichloroethane
Concen: 55.025 ug/l
RT: 7.54 min Scan# 622
Delta R.T. -0.01 min
Lab File: VD061367.D
Acq: 27 Mar 2019 23:28

Tgt Ion: 62 Resp: 393990
Ion Ratio Lower Upper
62 100
98 9.6 0.0 19.8





#43

Isopropyl Acetate

Concen: 58.201 ug/l

RT: 9.21 min Scan# 791

Delta R.T. -0.01 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

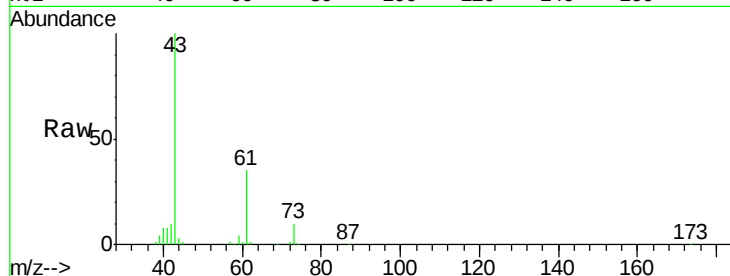
Tot Ion: 43 Resp: 345417

Ion Ratio Lower Upper

43 100

61 35.2 25.8 38.6

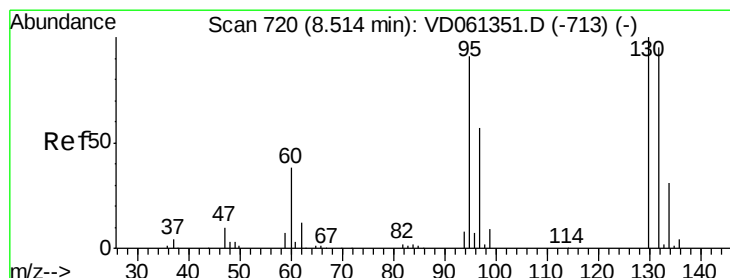
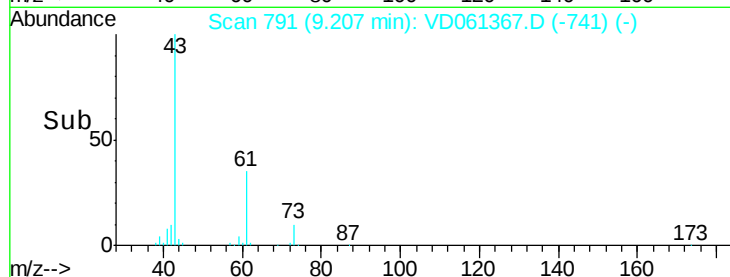
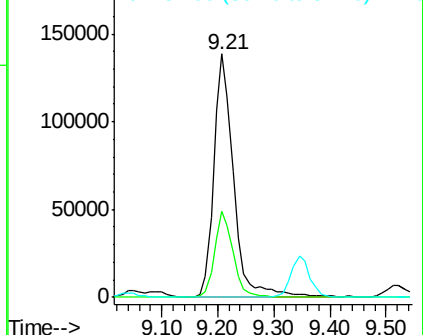
87 0.2 0.0 0.0#



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: 52.077 ug/l

RT: 8.51 min Scan# 720

Delta R.T. -0.01 min

Lab File: VD061367.D

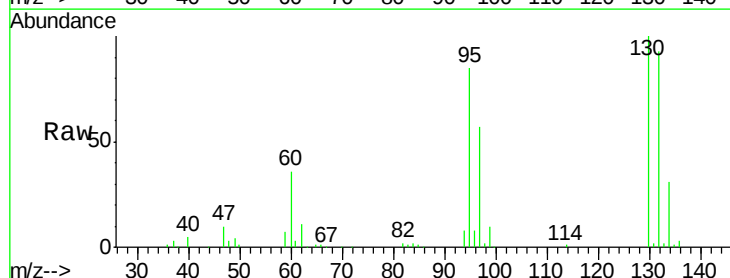
Acq: 27 Mar 2019 23:28

Tgt Ion:130 Resp: 463902

Ion Ratio Lower Upper

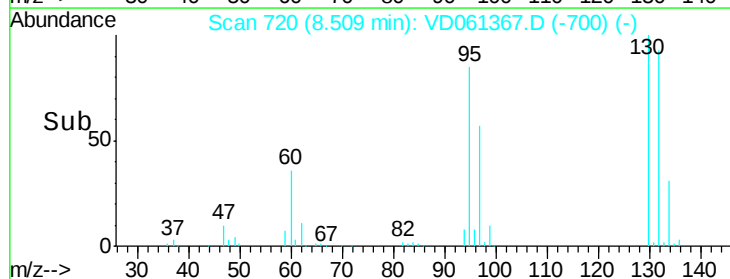
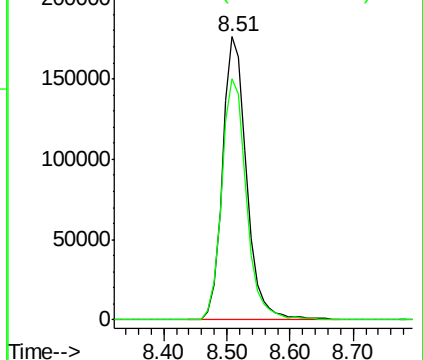
130 100

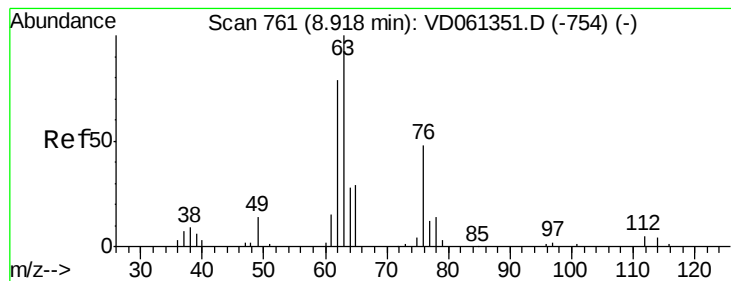
95 85.2 0.0 181.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.286 ug/l

RT: 8.90 min Scan# 760

Delta R.T. -0.02 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

Instrument :

MSVOA_D

ClientSampleId :

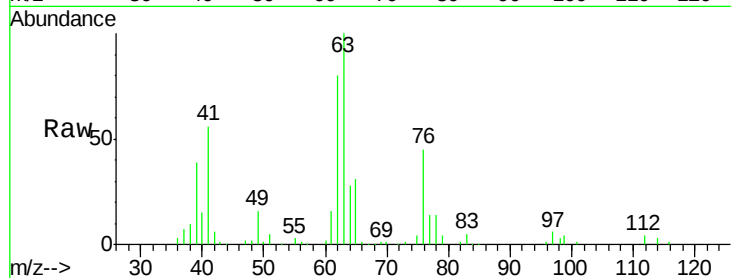
VSTDCCC050

Tot Ion: 63 Resp: 317359

Ion Ratio Lower Upper

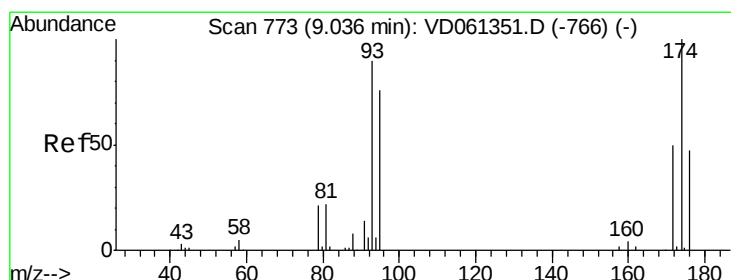
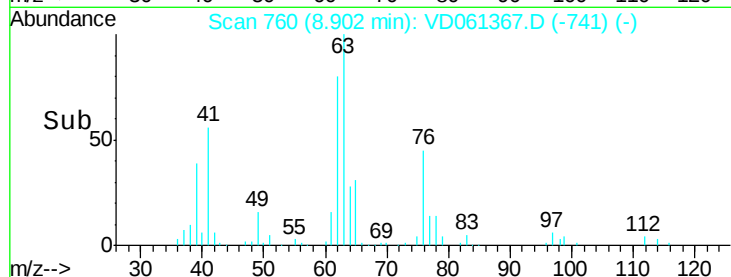
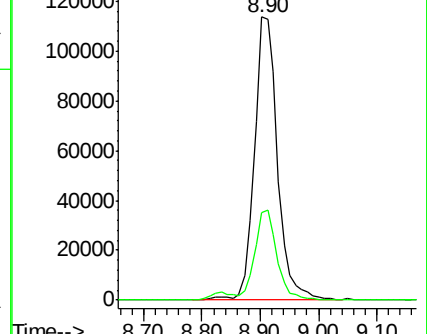
63 100

65 30.9 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 57.785 ug/l

RT: 9.03 min Scan# 773

Delta R.T. -0.01 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

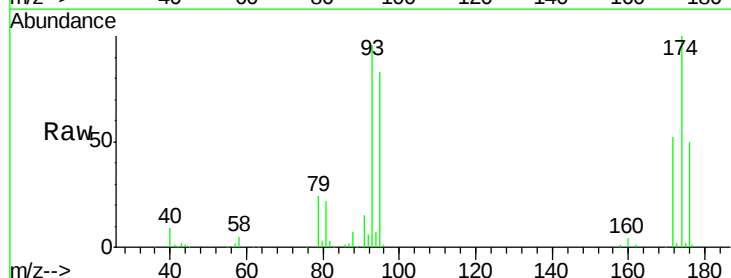
Tgt Ion: 93 Resp: 236073

Ion Ratio Lower Upper

93 100

95 86.3 67.4 101.0

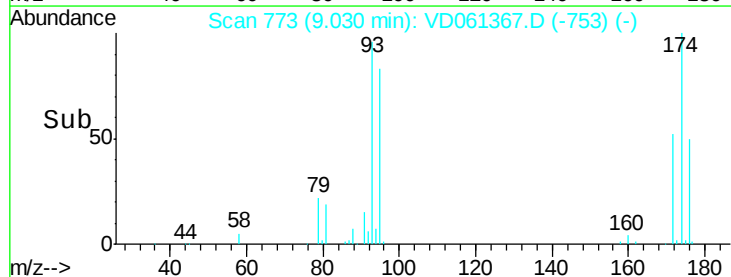
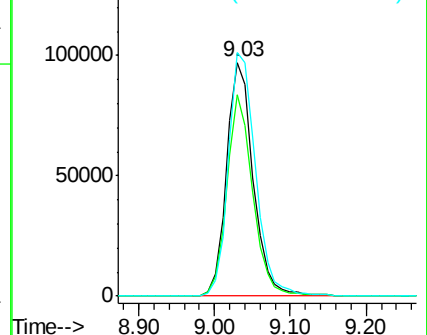
174 104.1 88.9 133.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 58.271 ug/l

RT: 9.35 min Scan# 805

Delta R.T. -0.01 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

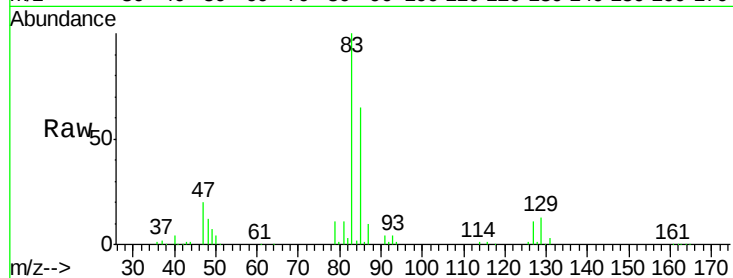
Tot Ion: 83 Resp: 534311

Ion Ratio Lower Upper

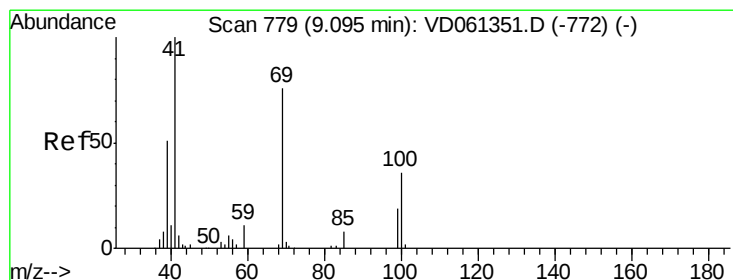
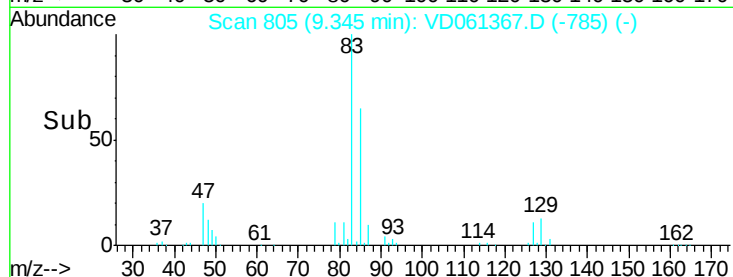
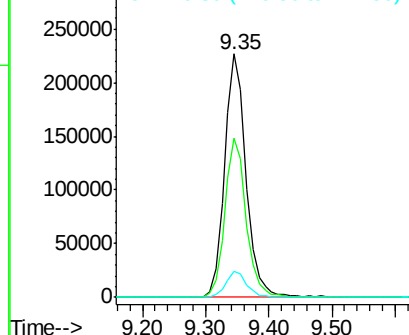
83 100

85 65.1 53.0 79.4

127 10.6 8.4 12.6



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: 52.456 ug/l

RT: 9.09 min Scan# 779

Delta R.T. -0.01 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

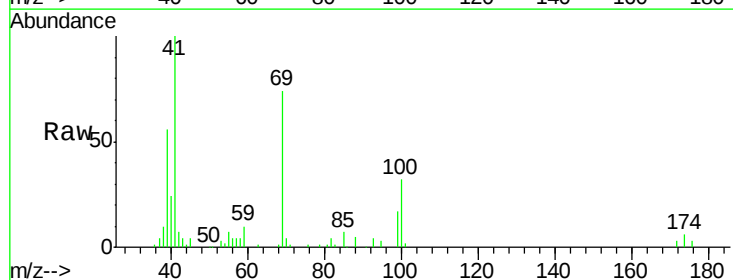
Tgt Ion: 41 Resp: 171815

Ion Ratio Lower Upper

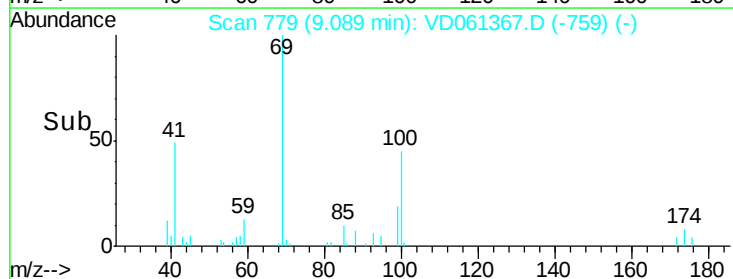
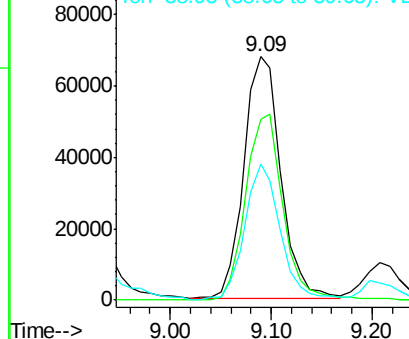
41 100

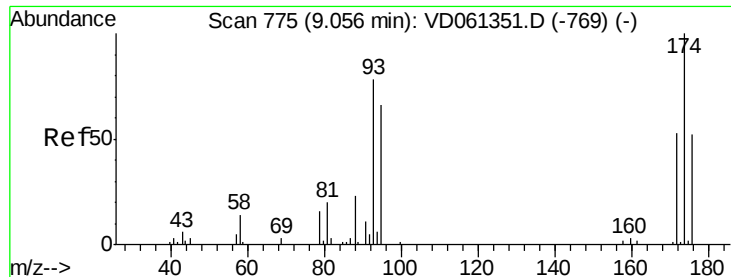
69 74.2 60.2 90.4

39 55.7 41.4 62.2



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: 1137.664 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

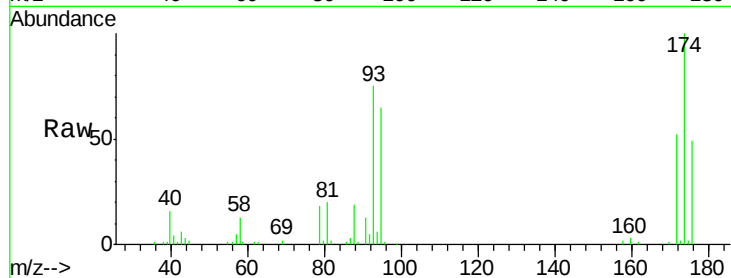
Tot Ion: 88 Resp: 41101

Ion Ratio Lower Upper

88 100

43 29.4 23.3 34.9

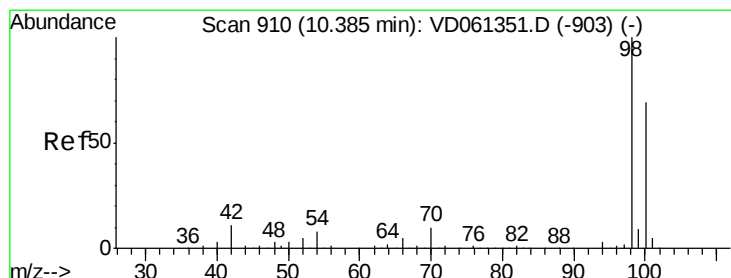
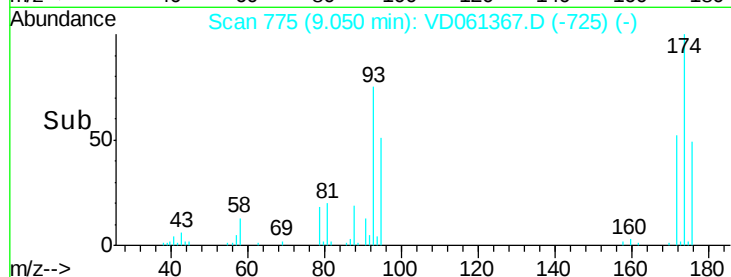
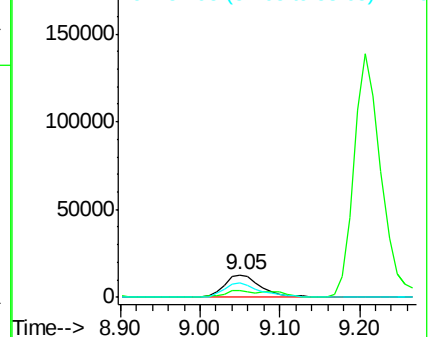
58 65.7 50.8 76.2



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 1137.664 ug/l

RT: 10.38 min Scan# 910

Delta R.T. -0.01 min

Lab File: VD061367.D

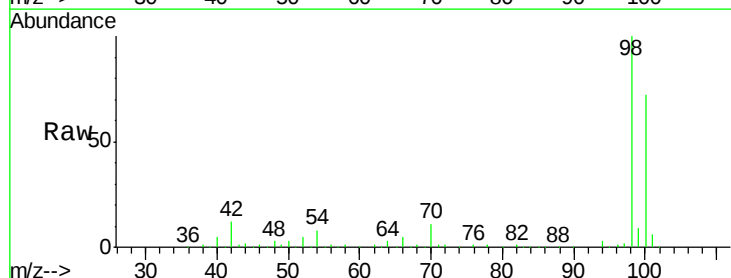
Acq: 27 Mar 2019 23:28

Tgt Ion: 98 Resp: 1035442

Ion Ratio Lower Upper

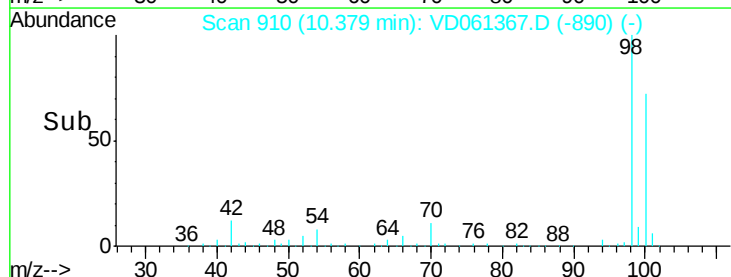
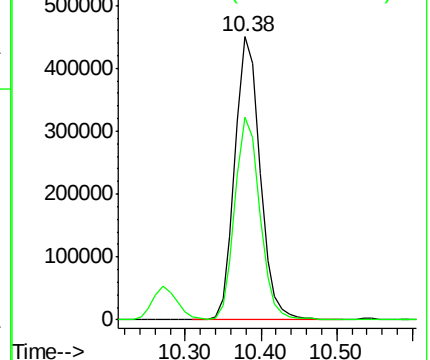
98 100

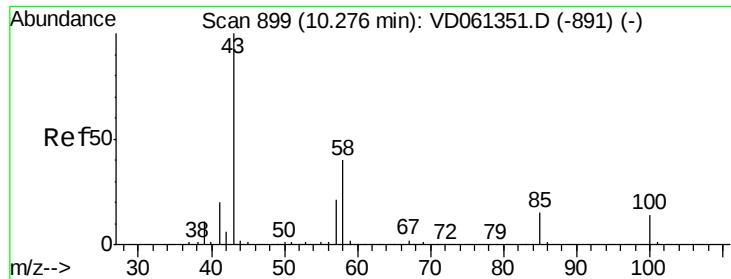
100 71.8 56.2 84.2



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: 266.305 ug/l

RT: 10.27 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

Instrument :

MSVOA_D

ClientSampleId :

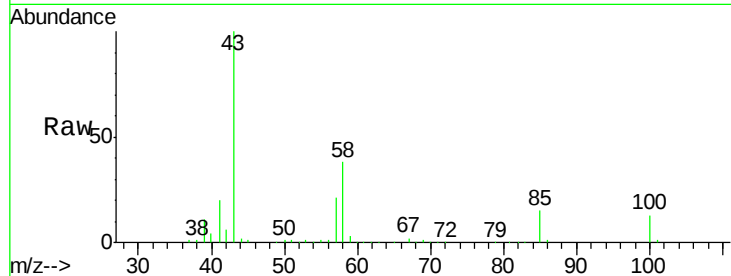
VSTDCCC050

Tot Ion: 43 Resp: 961565

Ion Ratio Lower Upper

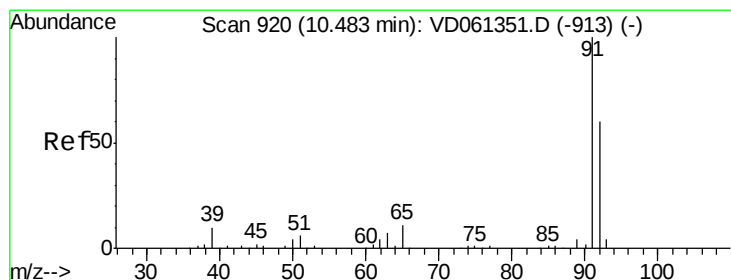
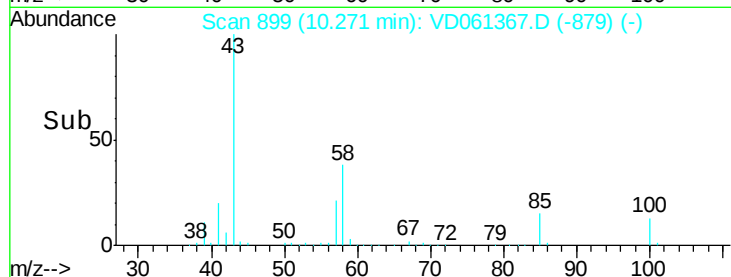
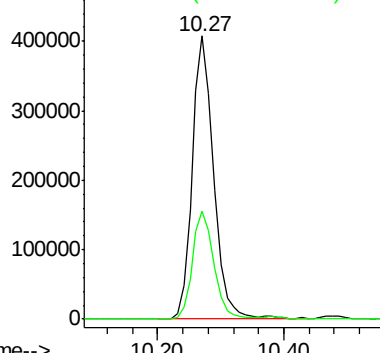
43 100

58 38.0 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 53.203 ug/l

RT: 10.48 min Scan# 920

Delta R.T. -0.01 min

Lab File: VD061367.D

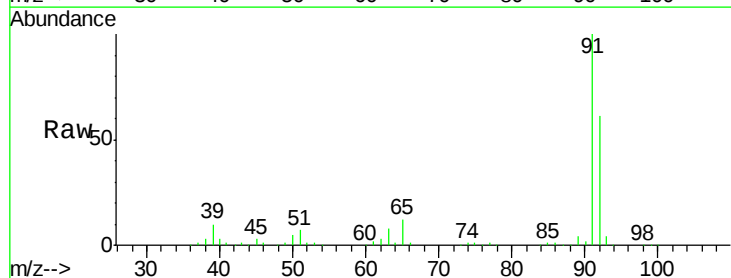
Acq: 27 Mar 2019 23:28

Tgt Ion: 92 Resp: 776938

Ion Ratio Lower Upper

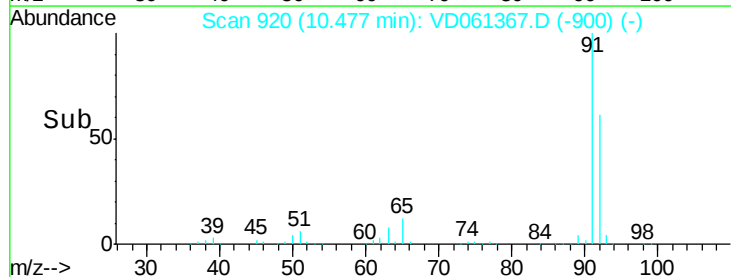
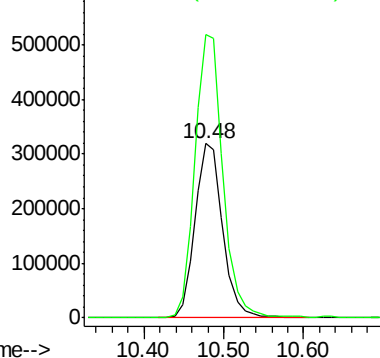
92 100

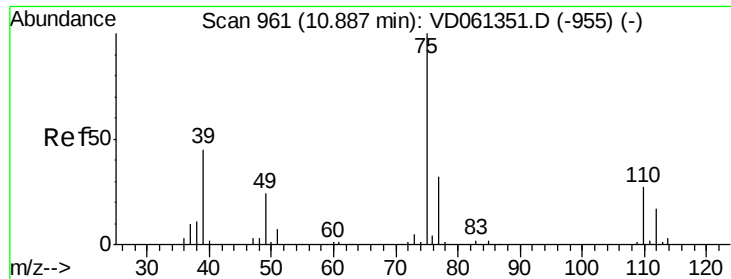
91 162.7 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

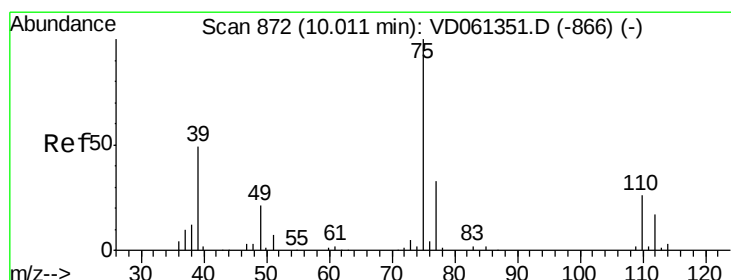
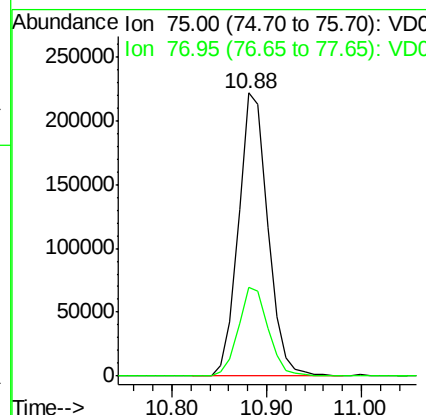
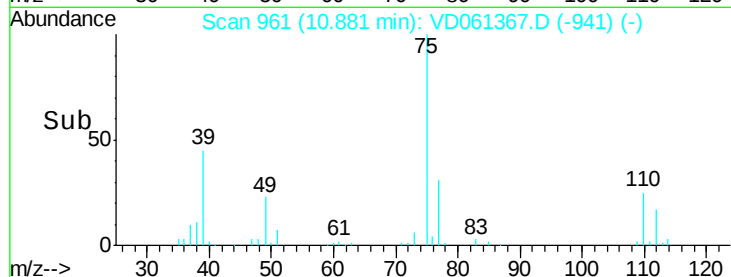
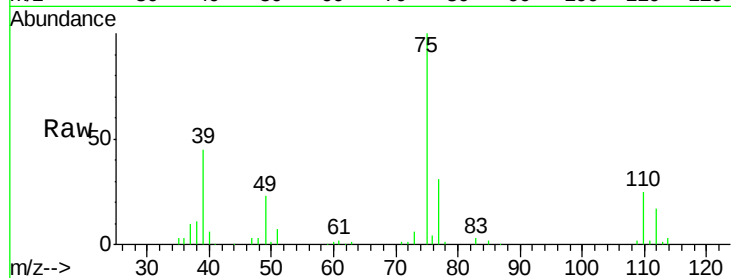




#53
 t-1,3-Dichloropropene
 Concen: 57.206 ug/l
 RT: 10.88 min Scan# 961
 Delta R.T. -0.01 min
 Lab File: VD061367.D
 Acq: 27 Mar 2019 23:28

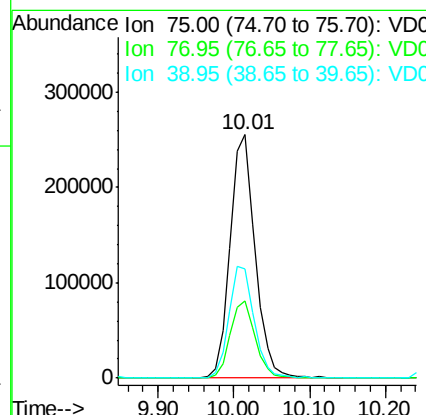
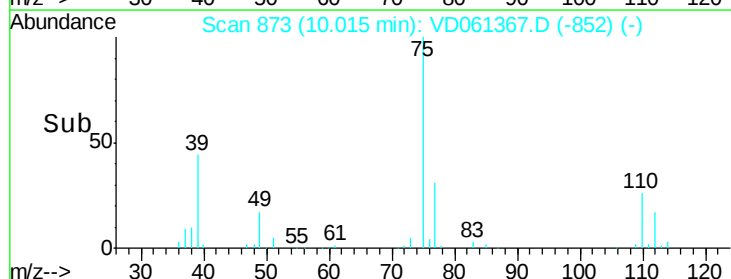
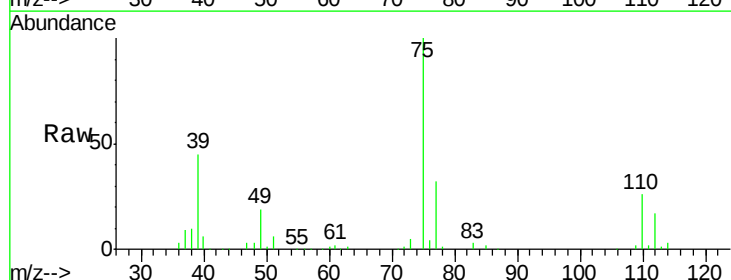
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

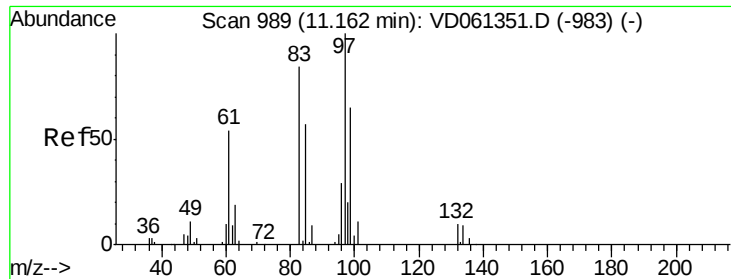
Tot Ion: 75 Resp: 476579
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 57.499 ug/l
 RT: 10.01 min Scan# 873
 Delta R.T. 0.00 min
 Lab File: VD061367.D
 Acq: 27 Mar 2019 23:28

Tgt Ion: 75 Resp: 583282
 Ion Ratio Lower Upper
 75 100
 77 31.5 26.2 39.4
 39 45.0 39.4 59.0

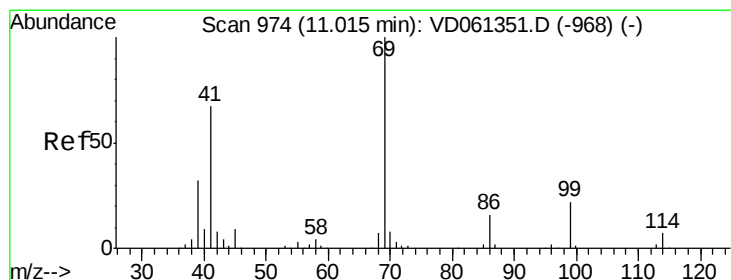
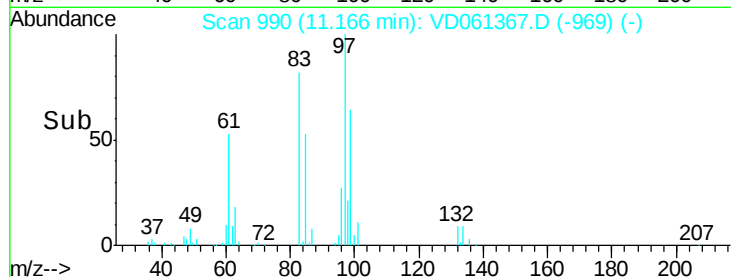
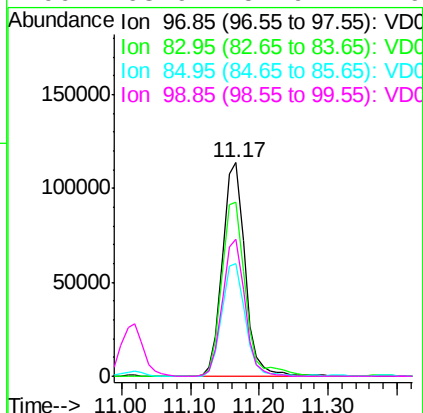
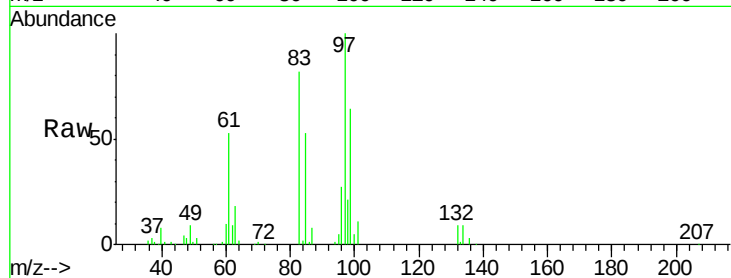




#55
 1,1,2-Trichloroethane
 Concen: 50.856 ug/l
 RT: 11.17 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VD061367.D
 Acq: 27 Mar 2019 23:28

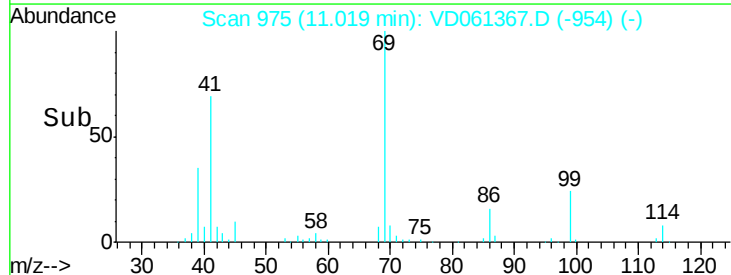
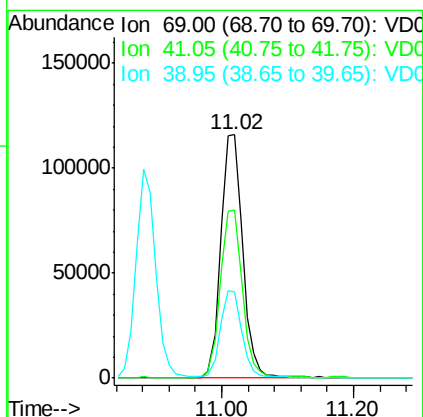
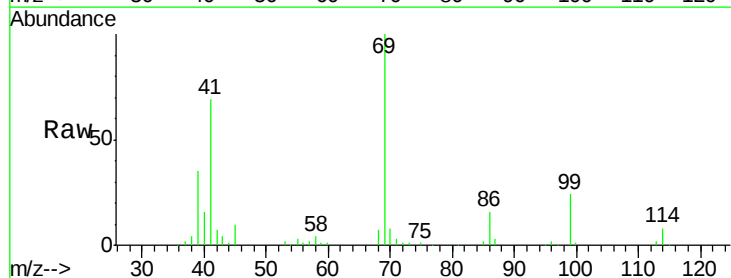
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

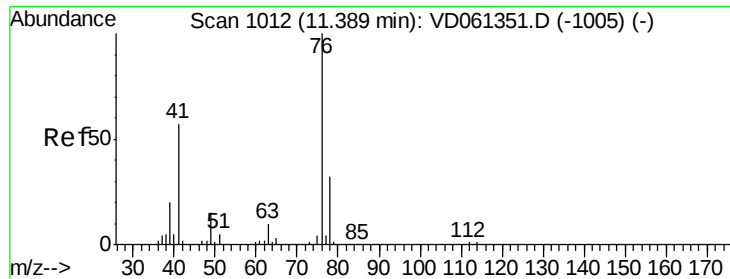
Tot Ion: 97 Resp: 259725
 Ion Ratio Lower Upper
 97 100
 83 81.7 67.0 100.6
 85 52.9 45.4 68.2
 99 63.9 51.9 77.9



#56
 Ethyl methacrylate
 Concen: 49.404 ug/l
 RT: 11.02 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: VD061367.D
 Acq: 27 Mar 2019 23:28

Tgt Ion: 69 Resp: 271051
 Ion Ratio Lower Upper
 69 100
 41 69.0 53.8 80.6
 39 35.4 26.4 39.6





#57

1,3-Dichloropropane

Concen: 56.563 ug/l

RT: 11.38 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

Instrument :

MSVOA_D

ClientSampleId :

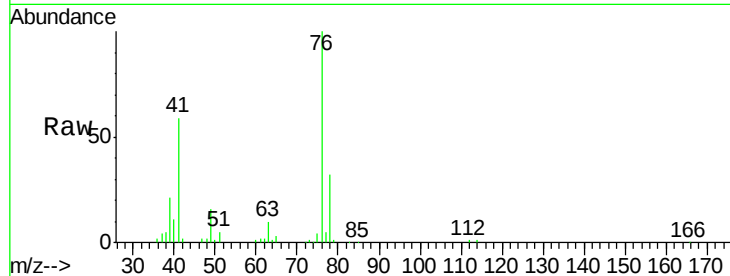
VSTDCCC050

Tot Ion: 76 Resp: 424588

Ion Ratio Lower Upper

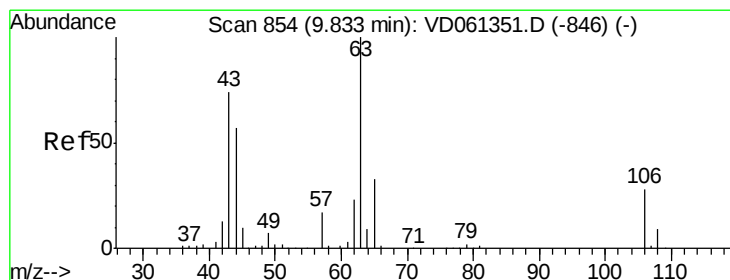
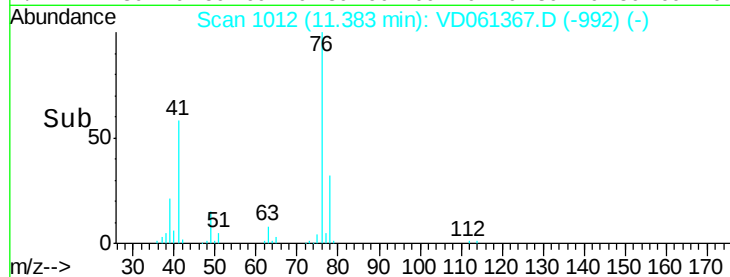
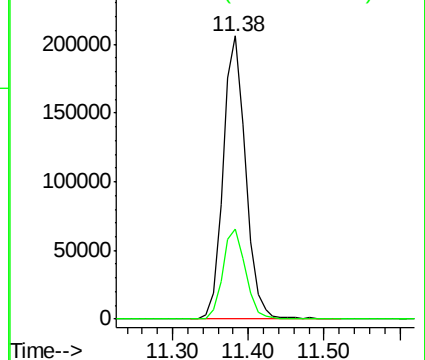
76 100

78 31.8 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 251.832 ug/l

RT: 9.83 min Scan# 854

Delta R.T. -0.01 min

Lab File: VD061367.D

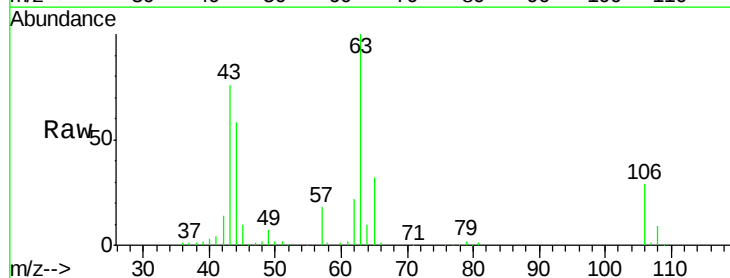
Acq: 27 Mar 2019 23:28

Tgt Ion: 63 Resp: 672859

Ion Ratio Lower Upper

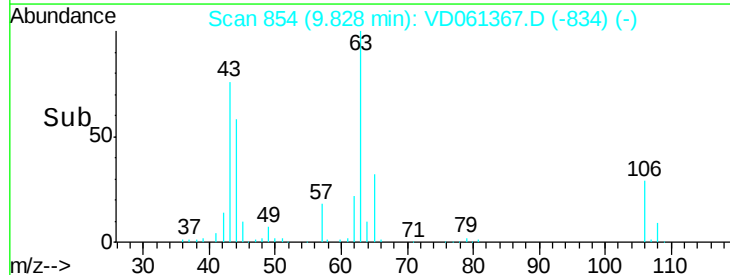
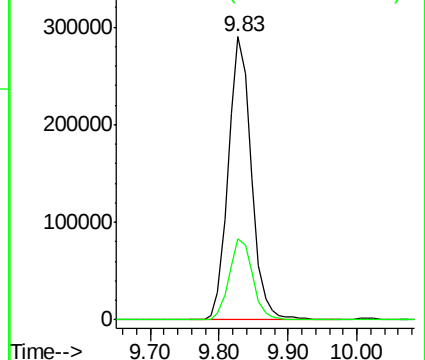
63 100

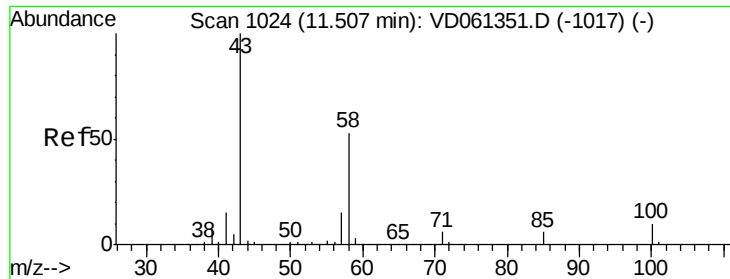
106 28.8 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

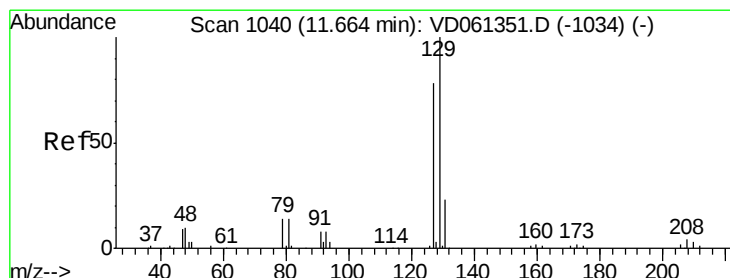
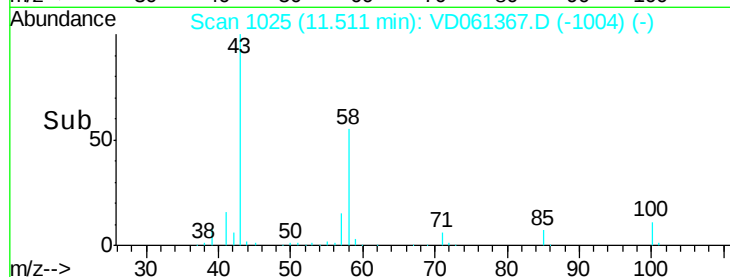
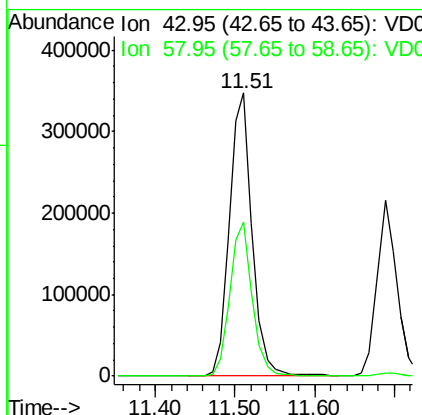
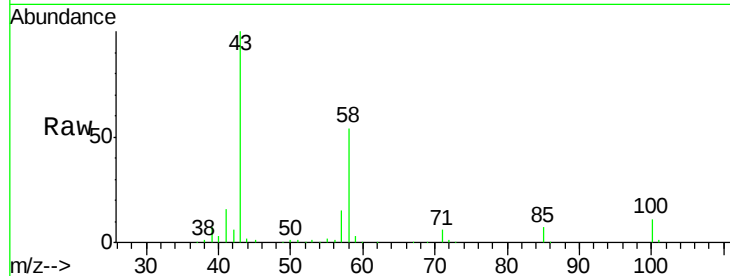




#59
2-Hexanone
Concen: 265.341 ug/l
RT: 11.51 min Scan# 1025
Delta R.T. 0.00 min
Lab File: VD061367.D
Acq: 27 Mar 2019 23:28

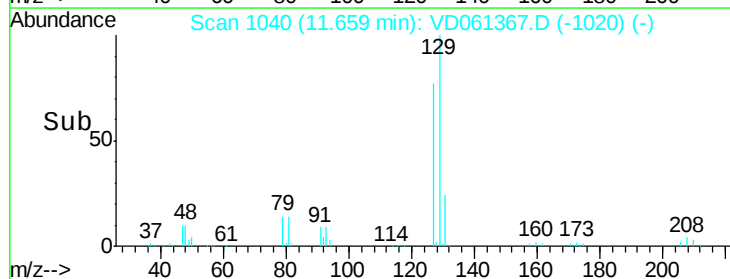
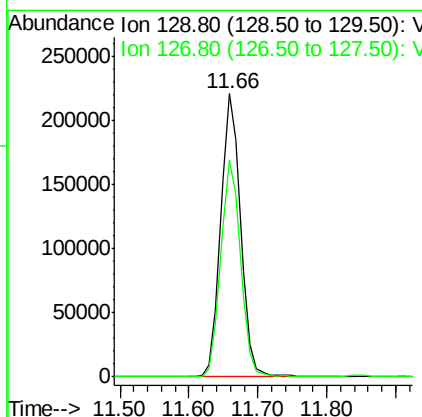
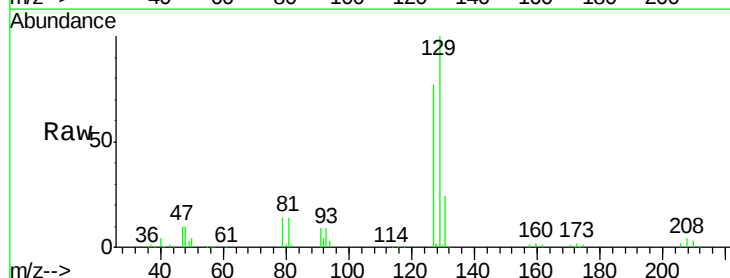
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

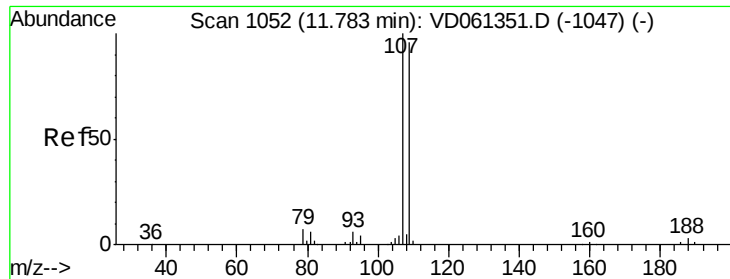
Tot Ion: 43 Resp: 694161
Ion Ratio Lower Upper
43 100
58 54.5 26.3 78.9



#60
Dibromochloromethane
Concen: 56.171 ug/l
RT: 11.66 min Scan# 1040
Delta R.T. -0.01 min
Lab File: VD061367.D
Acq: 27 Mar 2019 23:28

Tgt Ion: 129 Resp: 442246
Ion Ratio Lower Upper
129 100
127 76.8 39.0 116.9

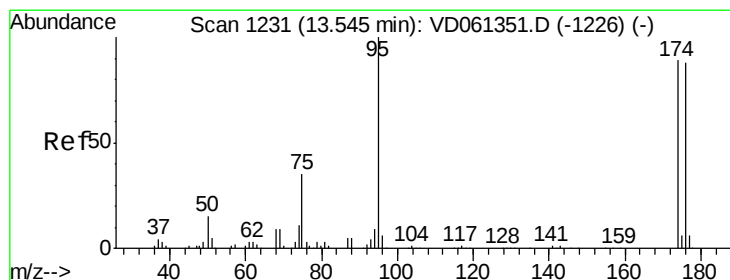
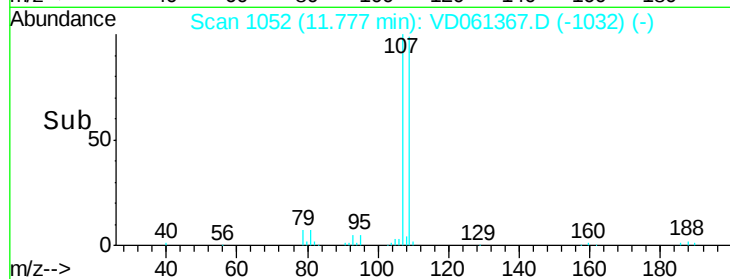
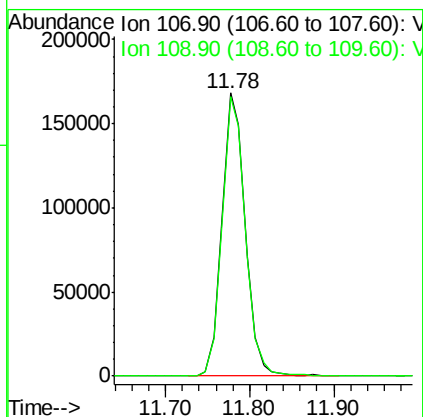
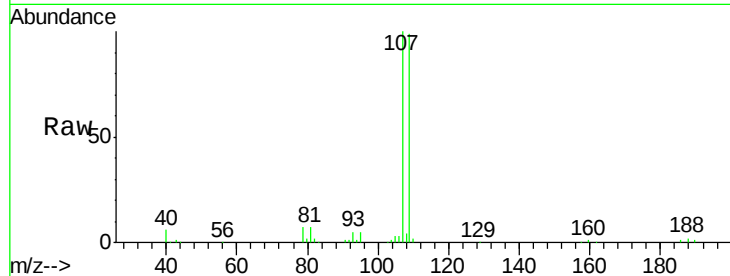




#61
 1,2-Dibromoethane
 Concen: 54.351 ug/l
 RT: 11.78 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD061367.D
 Acq: 27 Mar 2019 23:28

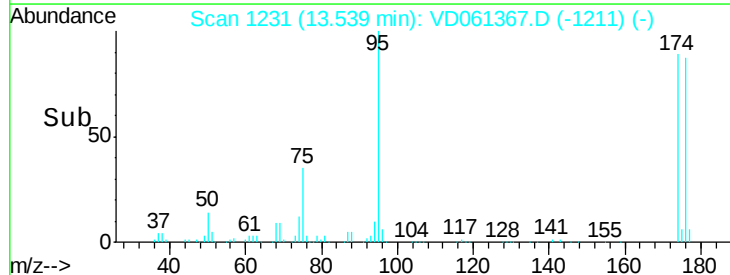
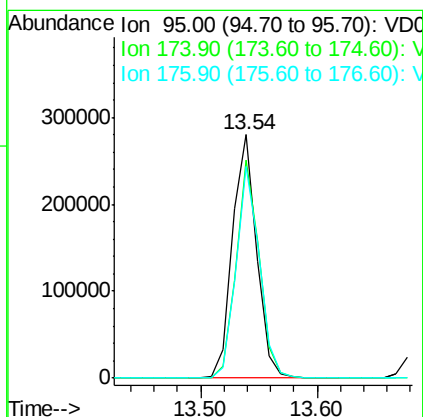
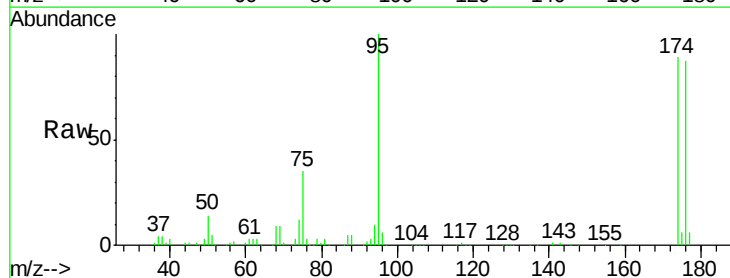
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

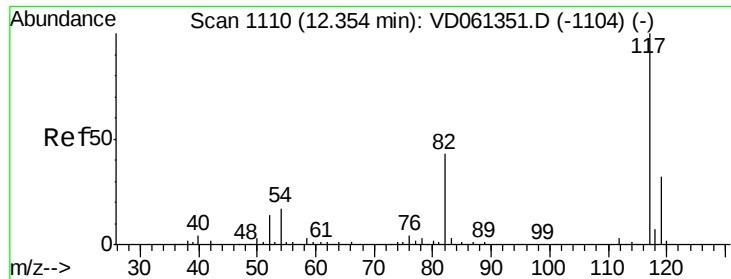
Tot Ion:107 Resp: 321417
 Ion Ratio Lower Upper
 107 100
 109 98.9 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 54.351 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD061367.D
 Acq: 27 Mar 2019 23:28

Tgt Ion: 95 Resp: 401405
 Ion Ratio Lower Upper
 95 100
 174 89.4 0.0 178.0
 176 86.8 0.0 175.0

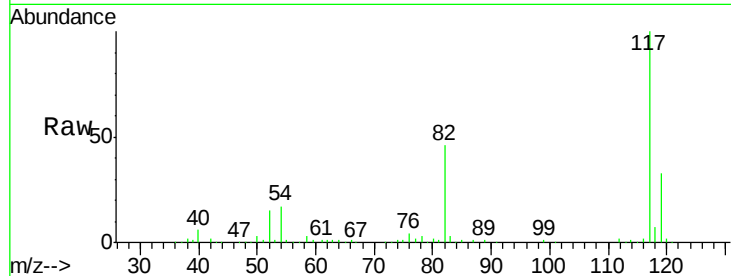




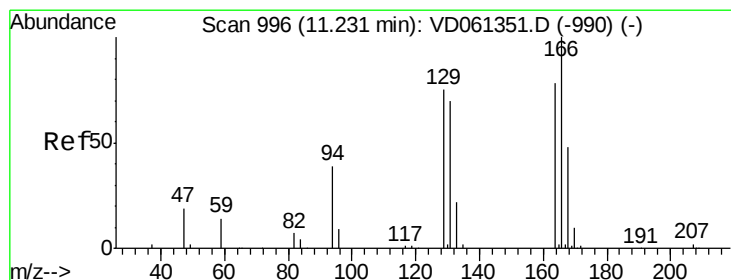
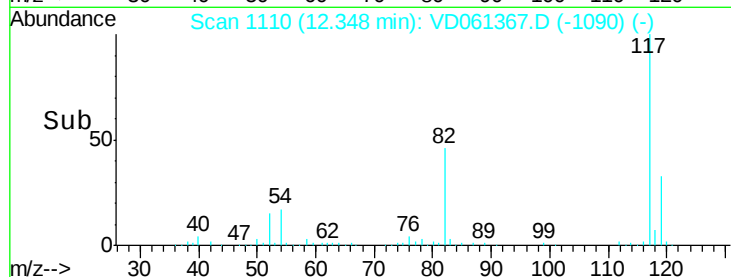
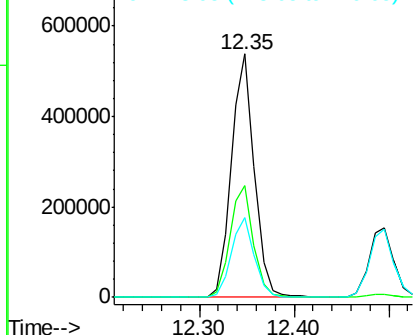
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD061367.D
Acq: 27 Mar 2019 23:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 902907
Ion Ratio Lower Upper
117 100
82 46.2 34.4 51.6
119 33.0 25.8 38.6

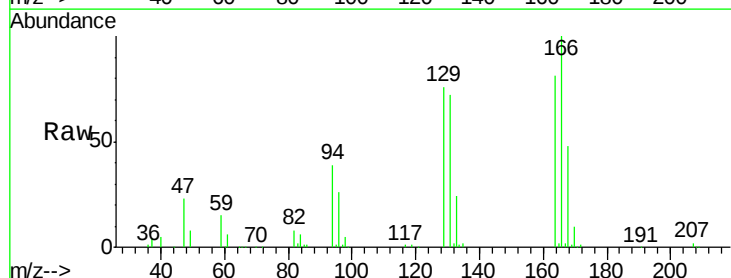


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

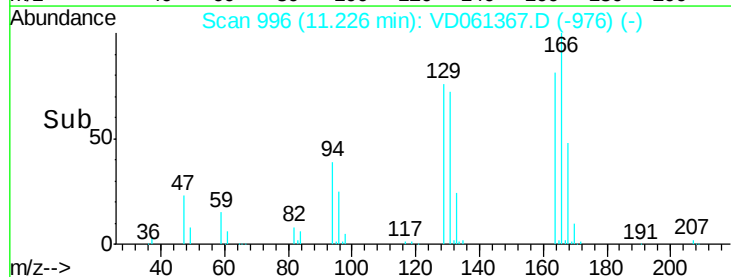
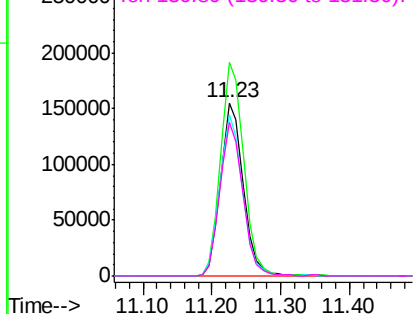


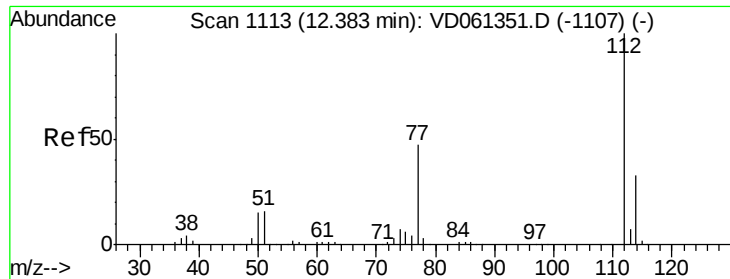
#64
Tetrachloroethene
Concen: 50.068 ug/l
RT: 11.23 min Scan# 996
Delta R.T. -0.01 min
Lab File: VD061367.D
Acq: 27 Mar 2019 23:28

Tgt Ion:164 Resp: 354791
Ion Ratio Lower Upper
164 100
166 123.2 102.4 153.6
129 93.3 76.8 115.2
131 88.6 71.8 107.6



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

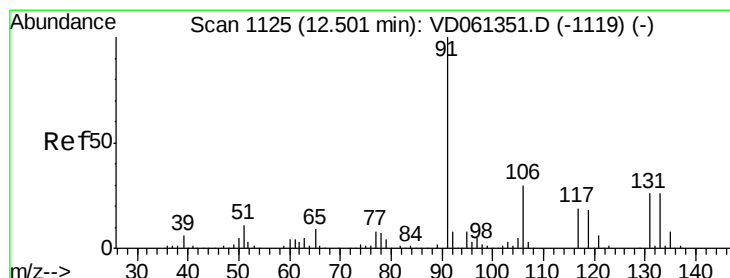
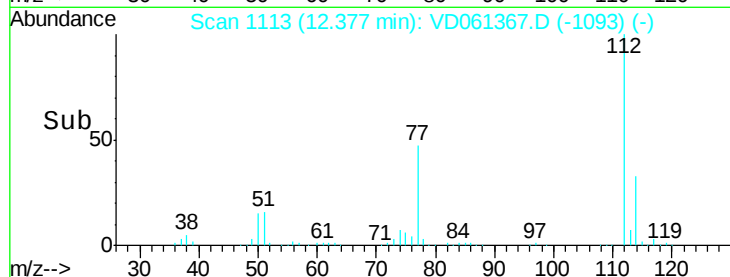
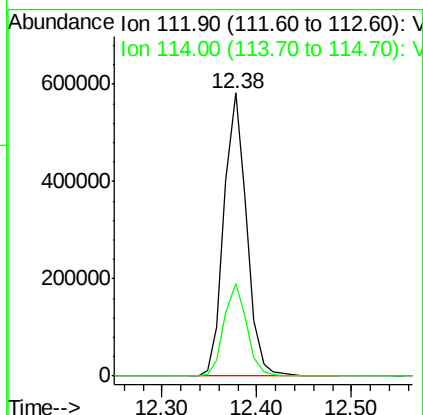
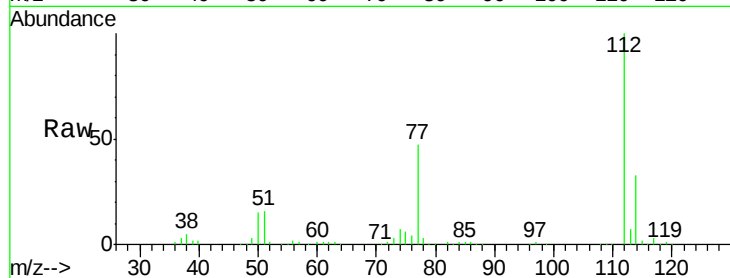




#65
Chlorobenzene
Concen: 52.076 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VD061367.D
Acq: 27 Mar 2019 23:28

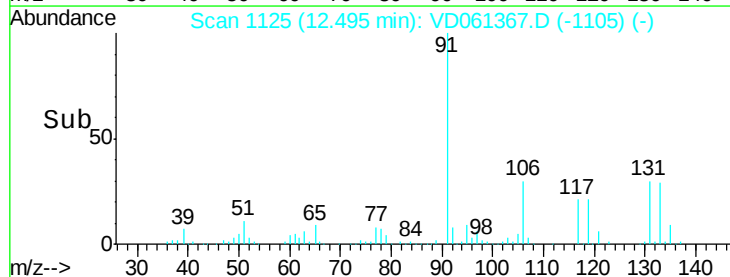
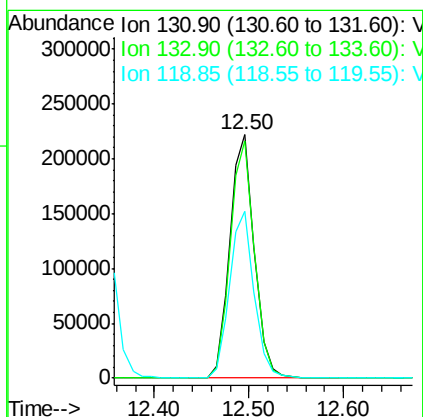
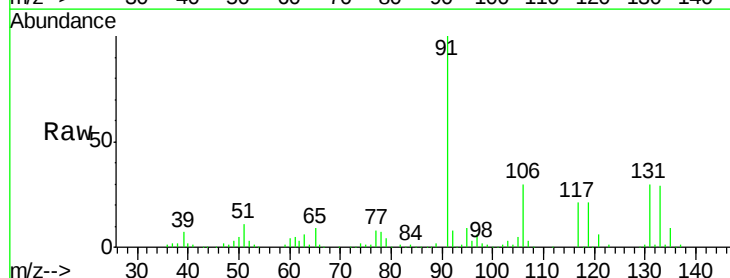
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 960920
Ion Ratio Lower Upper
112 100
114 32.7 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 55.329 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD061367.D
Acq: 27 Mar 2019 23:28

Tgt Ion:131 Resp: 395299
Ion Ratio Lower Upper
131 100
133 97.2 49.4 148.2
119 68.4 34.1 102.2

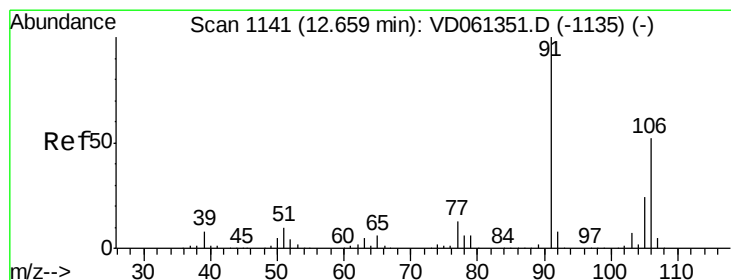
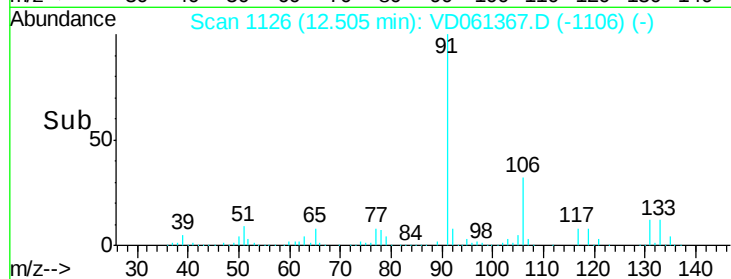
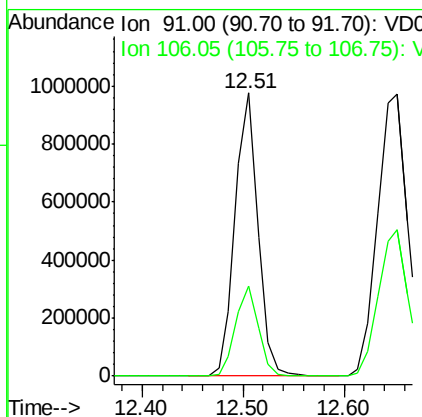
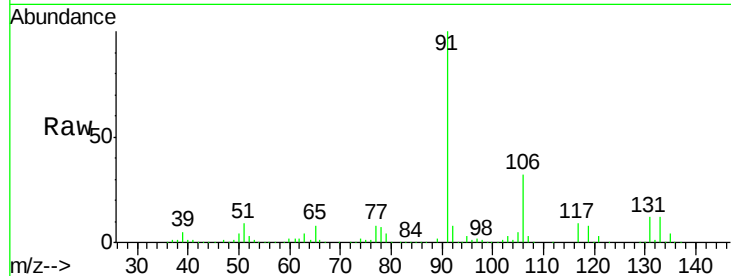




#67
Ethyl Benzene
Concen: 54.665 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD061367.D
Acq: 27 Mar 2019 23:28

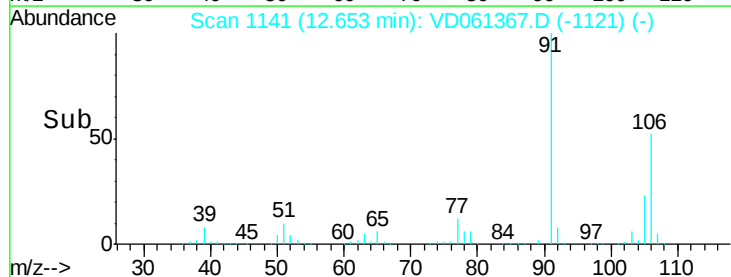
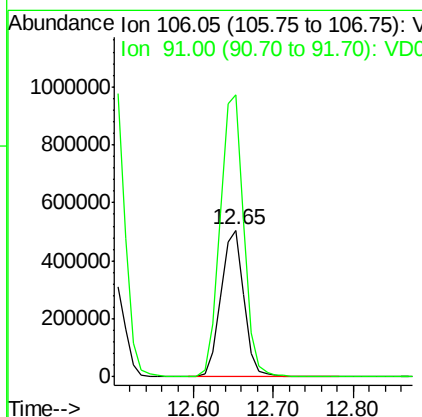
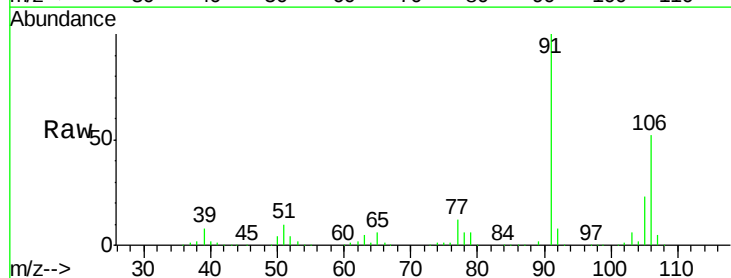
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1539647
Ion Ratio Lower Upper
91 100
106 31.8 26.1 39.1



#68
m/p-Xylenes
Concen: 96.537 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061367.D
Acq: 27 Mar 2019 23:28

Tgt Ion: 106 Resp: 1029962
Ion Ratio Lower Upper
106 100
91 192.2 153.1 229.7

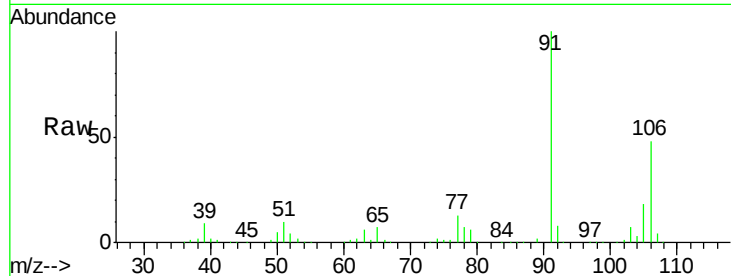




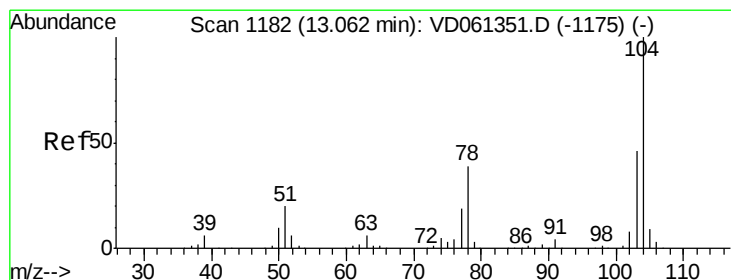
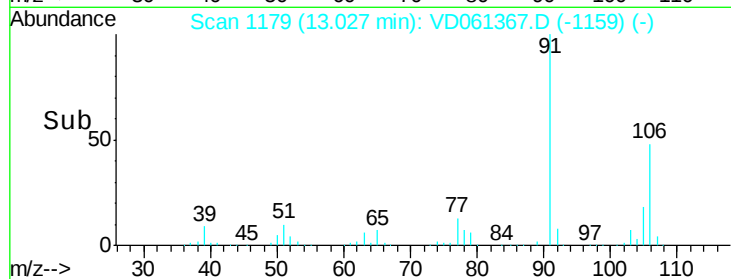
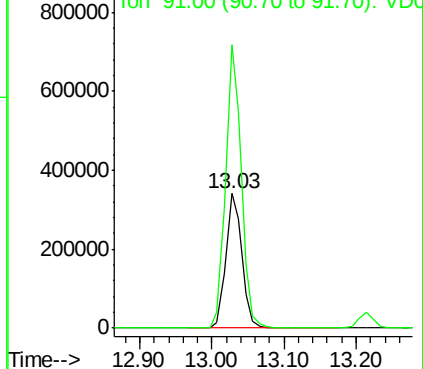
#69
o-Xylene
Concen: 50.746 ug/l
RT: 13.03 min Scan# 1179
Delta R.T. -0.01 min
Lab File: VD061367.D
Acq: 27 Mar 2019 23:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 525399
Ion Ratio Lower Upper
106 100
91 210.1 103.8 311.3

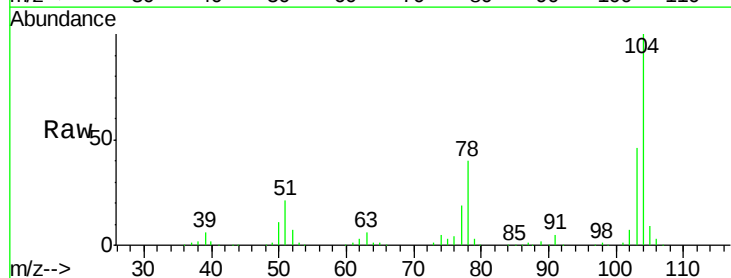


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

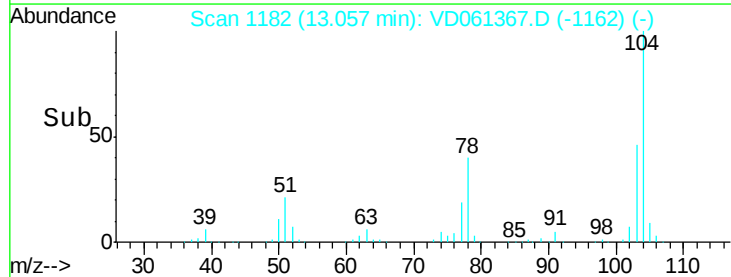
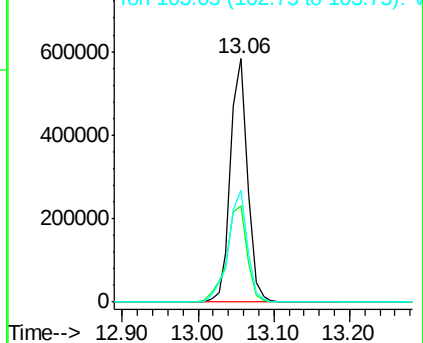


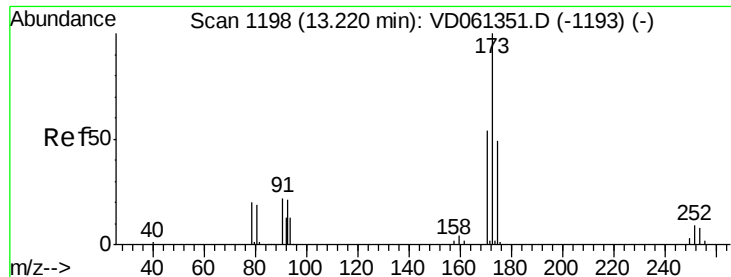
#70
Styrene
Concen: 50.018 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD061367.D
Acq: 27 Mar 2019 23:28

Tgt Ion:104 Resp: 902727
Ion Ratio Lower Upper
104 100
78 39.8 31.0 46.6
103 46.2 37.0 55.4



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

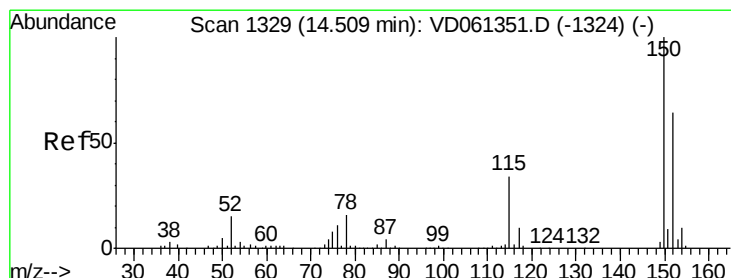
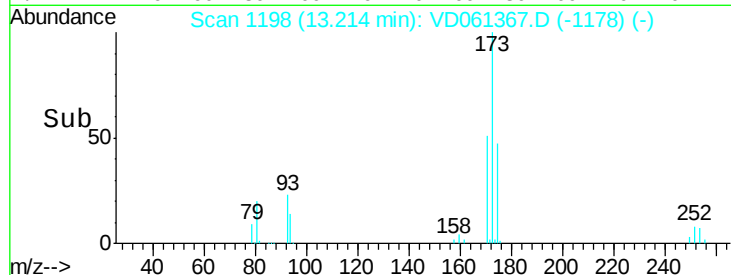
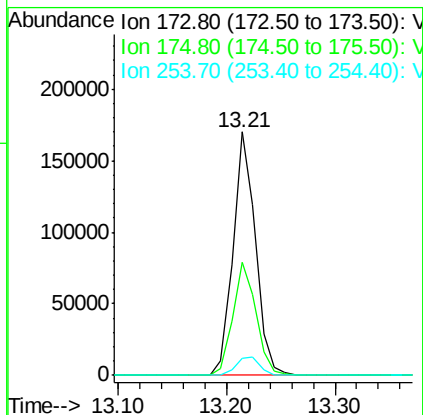
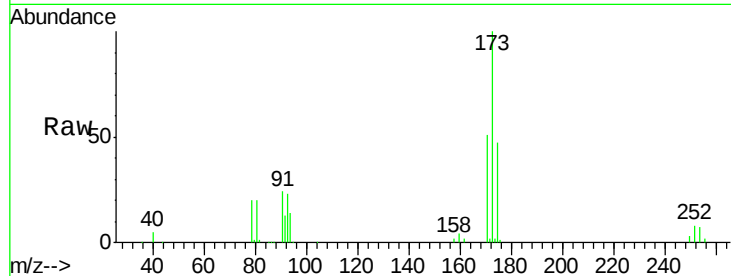




#71
Bromoform
Concen: 54.270 ug/l
RT: 13.21 min Scan# 1198
Delta R.T. -0.01 min
Lab File: VD061367.D
Acq: 27 Mar 2019 23:28

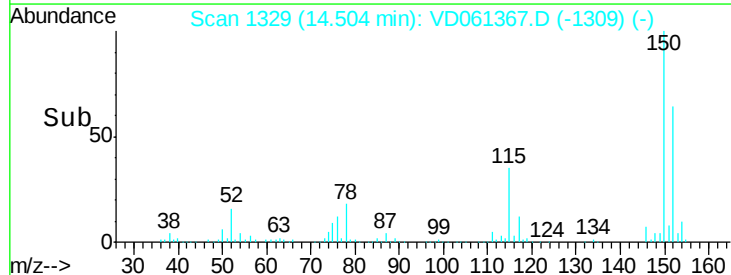
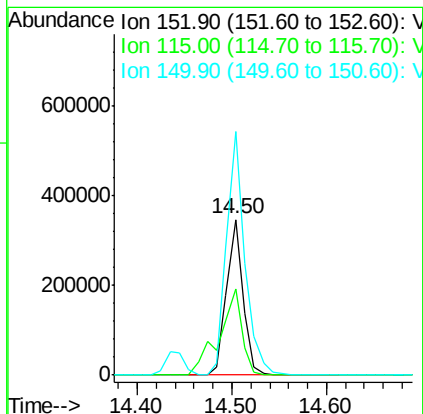
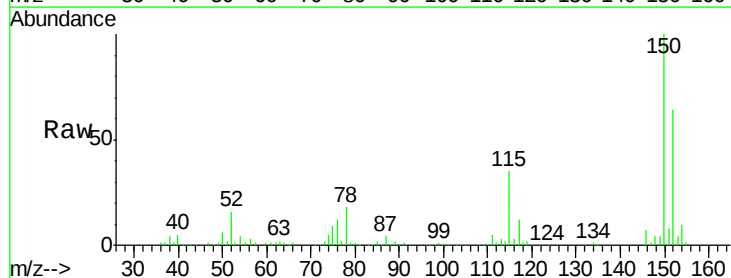
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 245791
Ion Ratio Lower Upper
173 100
175 46.6 24.6 73.8
254 7.1 6.6 10.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061367.D
Acq: 27 Mar 2019 23:28

Tgt Ion:152 Resp: 415839
Ion Ratio Lower Upper
152 100
115 55.0 26.9 80.6
150 156.4 0.0 318.0





#73

Isopropylbenzene

Concen: 45.117 ug/l

RT: 13.38 min Scan# 1215

Delta R.T. -0.01 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

Instrument :

MSVOA_D

ClientSampleId :

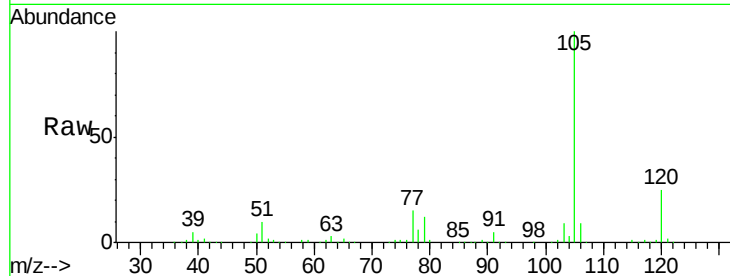
VSTDCCC050

Tot Ion:105 Resp: 1305772

Ion Ratio Lower Upper

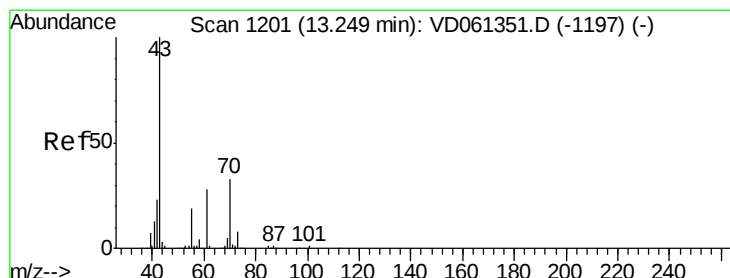
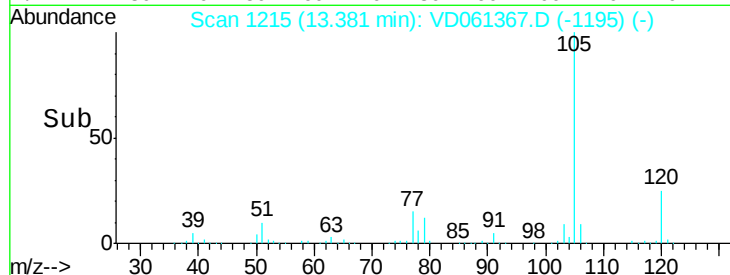
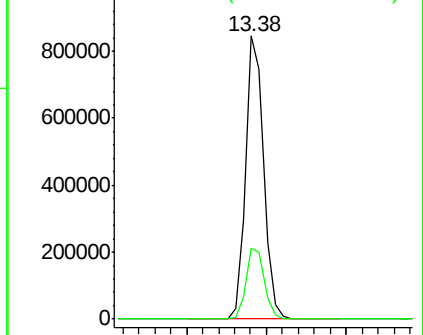
105 100

120 24.9 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 48.034 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

Tgt Ion: 43 Resp: 387271

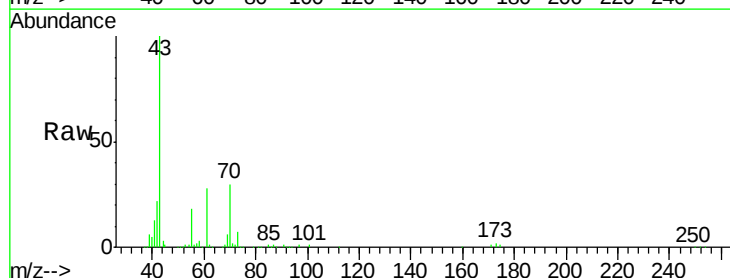
Ion Ratio Lower Upper

43 100

70 30.2 26.6 40.0

55 18.4 15.4 23.2

61 27.7 22.2 33.4

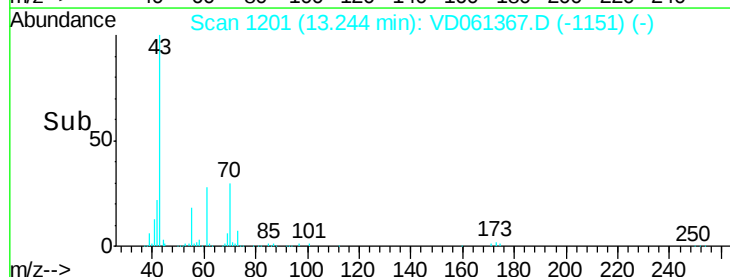
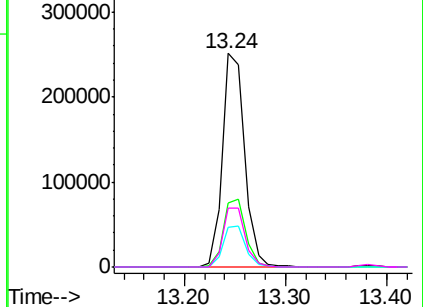


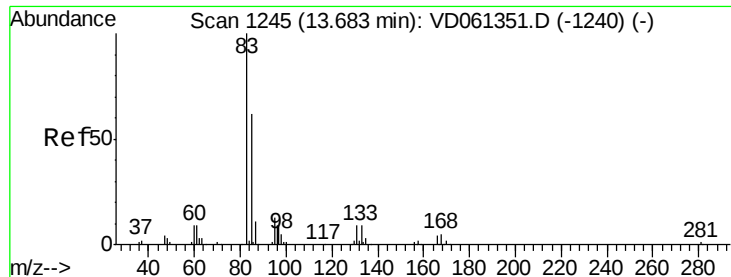
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 50.830 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

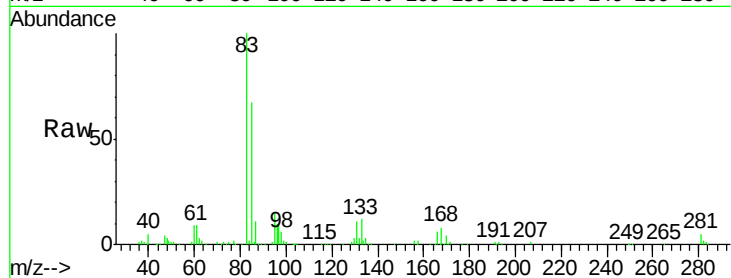
Tot Ion: 83 Resp: 310336

Ion	Ratio	Lower	Upper
83	100		
131	11.2	4.3	13.1
85	67.0	31.2	93.6

83 100

131 11.2 4.3 13.1

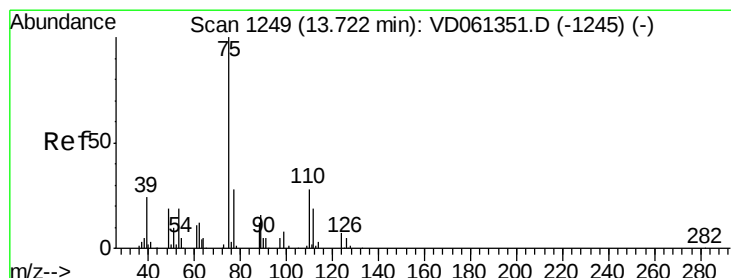
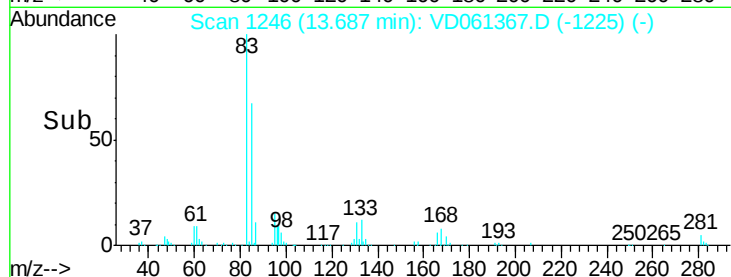
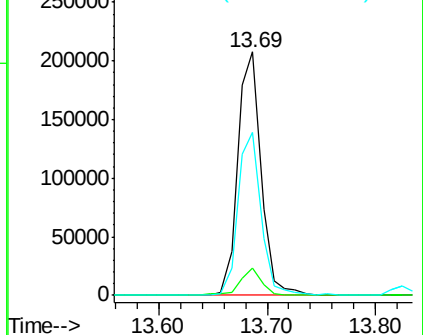
85 67.0 31.2 93.6



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: 49.583 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD061367.D

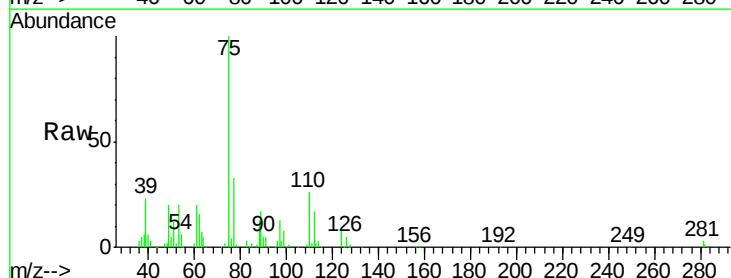
Acq: 27 Mar 2019 23:28

Tgt Ion: 75 Resp: 297840

Ion	Ratio	Lower	Upper
75	100		
77	33.3	16.2	48.5

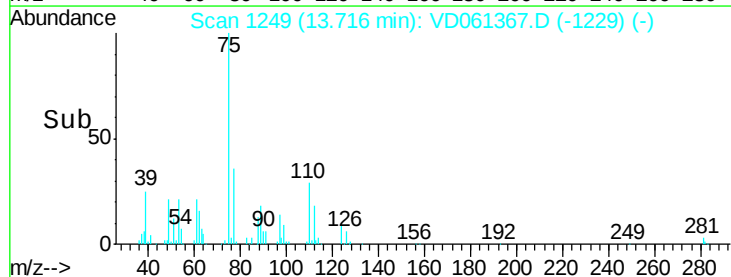
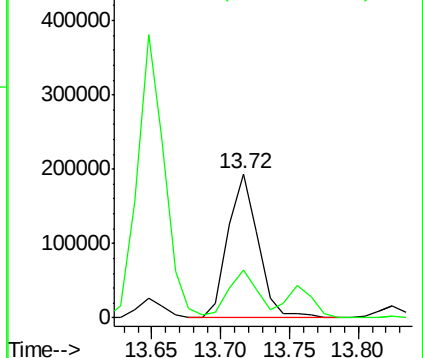
75 100

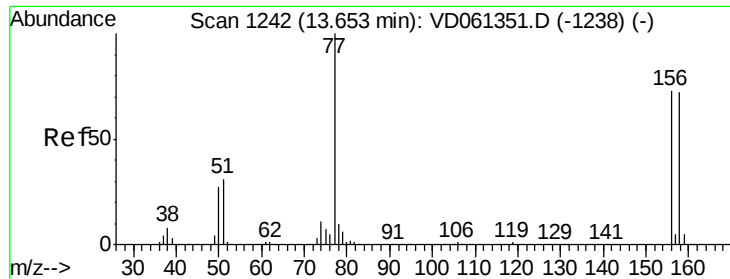
77 33.3 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 49.022 ug/l

RT: 13.65 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

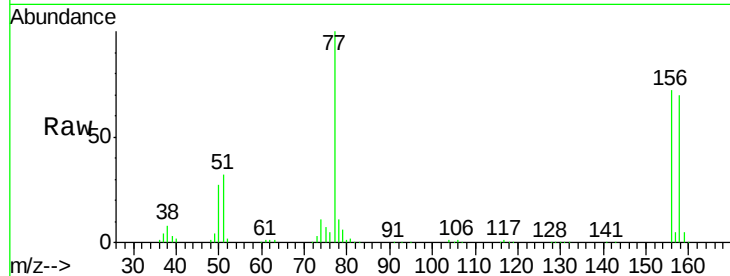
Tot Ion:156 Resp: 420613

Ion Ratio Lower Upper

156 100

77 138.0 68.5 205.6

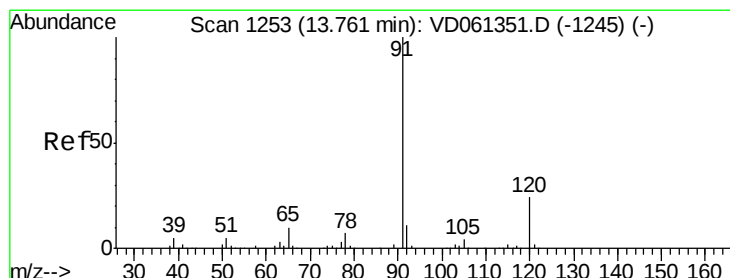
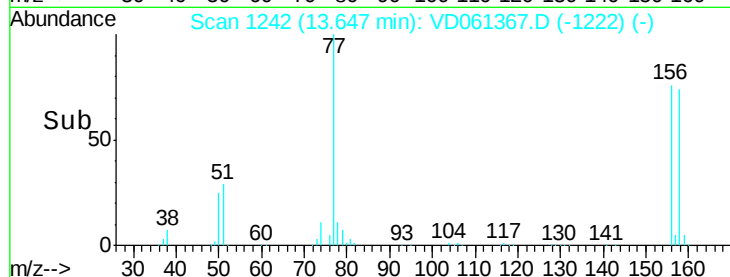
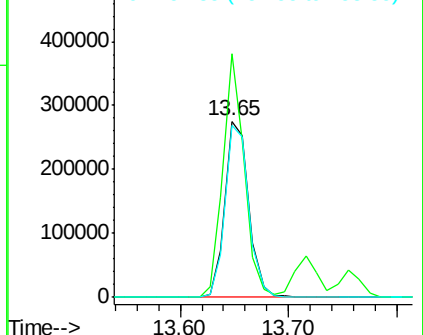
158 97.2 49.1 147.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 46.631 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD061367.D

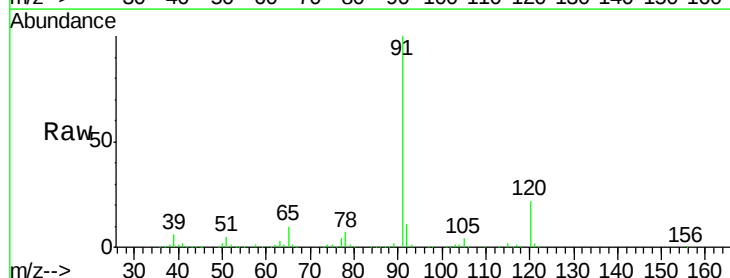
Acq: 27 Mar 2019 23:28

Tgt Ion: 91 Resp: 1651590

Ion Ratio Lower Upper

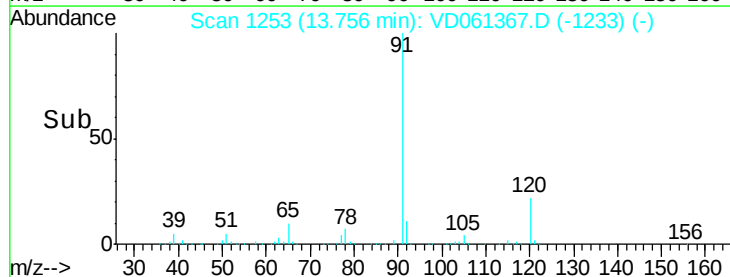
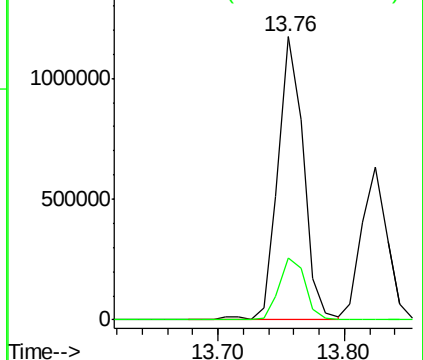
91 100

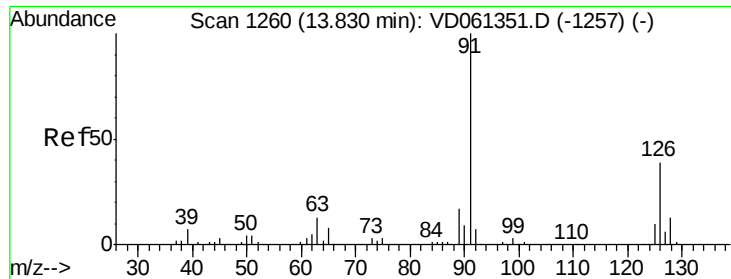
120 21.8 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 46.223 ug/l

RT: 13.82 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

Instrument :

MSVOA_D

ClientSampleId :

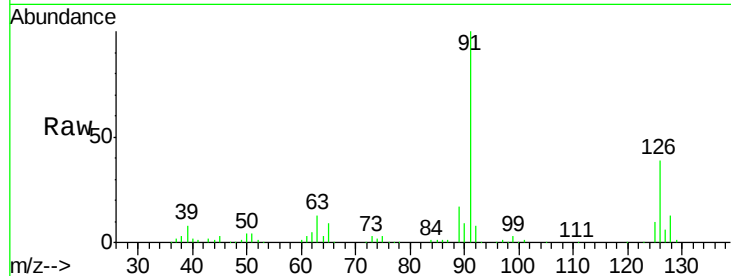
VSTDCCC050

Tot Ion: 91 Resp: 888918

Ion Ratio Lower Upper

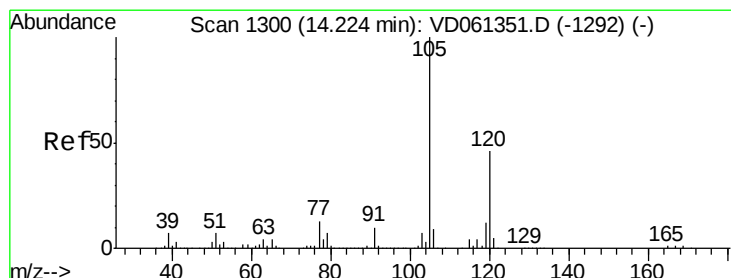
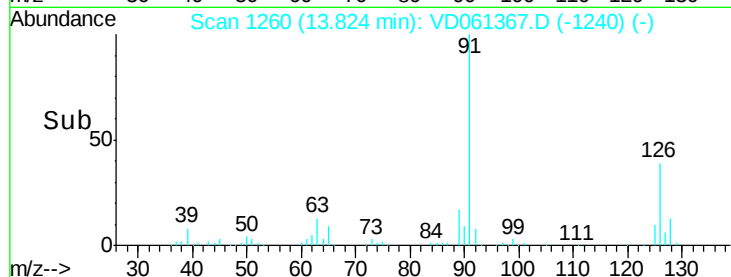
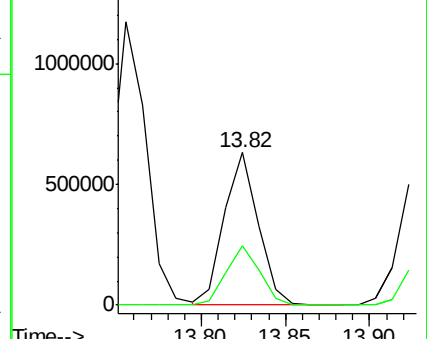
91 100

126 38.7 19.4 58.2



Abundance Ion 91.00 (90.70 to 91.70): VD061351.D (-1257) (-)

Ion 125.95 (125.65 to 126.65): VD061351.D (-1257) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.506 ug/l

RT: 14.22 min Scan# 1300

Delta R.T. -0.01 min

Lab File: VD061367.D

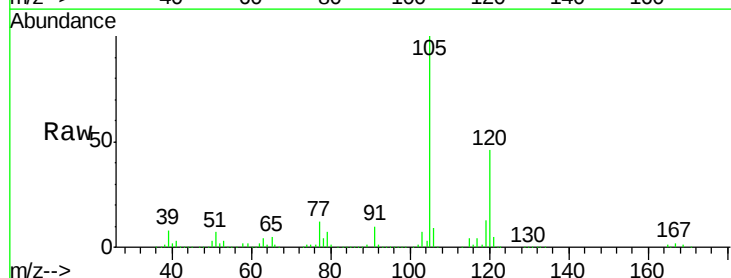
Acq: 27 Mar 2019 23:28

Tgt Ion:105 Resp: 1203537

Ion Ratio Lower Upper

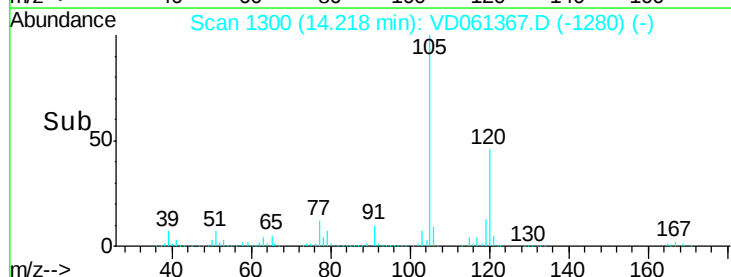
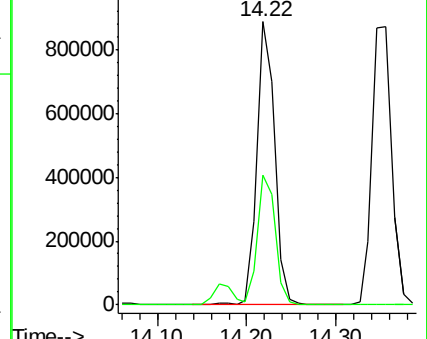
105 100

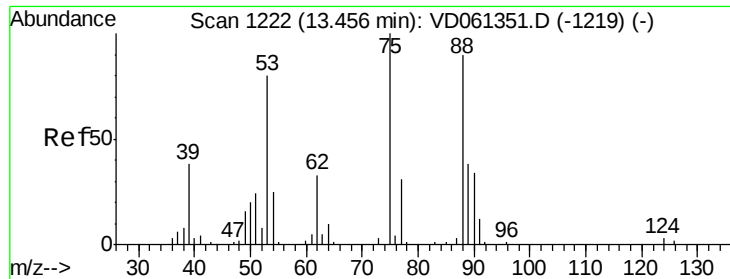
120 46.1 22.8 68.4



Abundance Ion 105.05 (104.75 to 105.75): VD061351.D (-1292) (-)

Ion 120.05 (119.75 to 120.75): VD061351.D (-1292) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 47.720 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

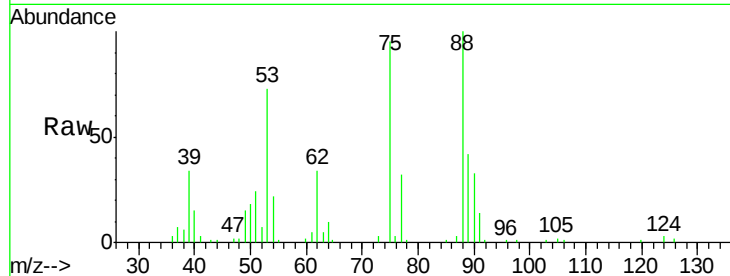
Tot Ion: 75 Resp: 87399

Ion Ratio Lower Upper

75 100

53 77.4 63.8 95.8

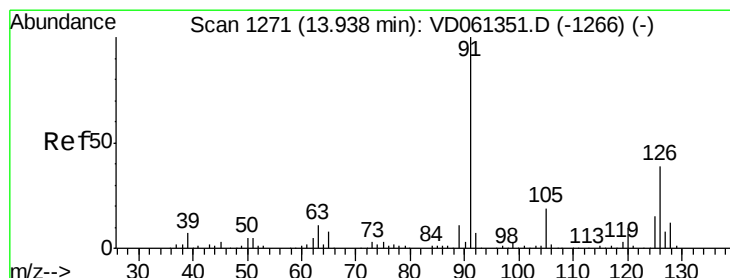
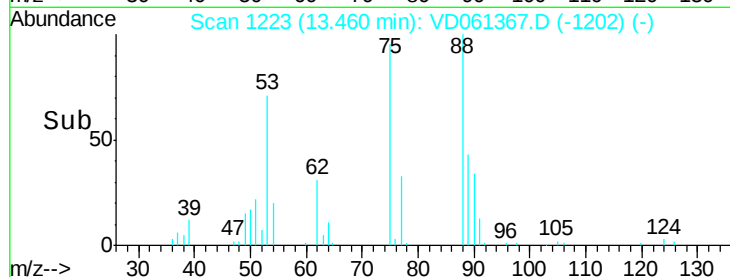
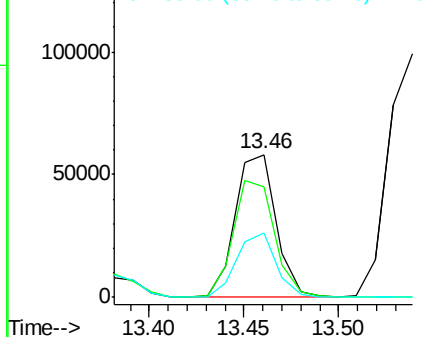
89 44.7 30.5 45.7



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: 46.951 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD061367.D

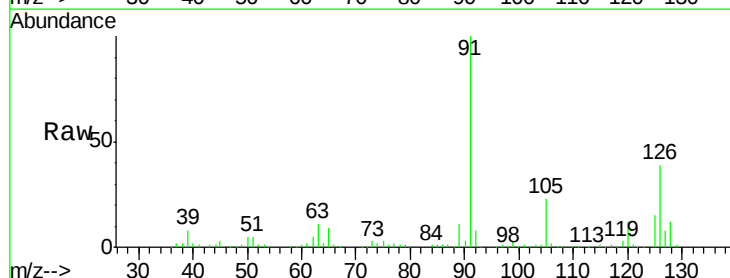
Acq: 27 Mar 2019 23:28

Tgt Ion: 91 Resp: 981784

Ion Ratio Lower Upper

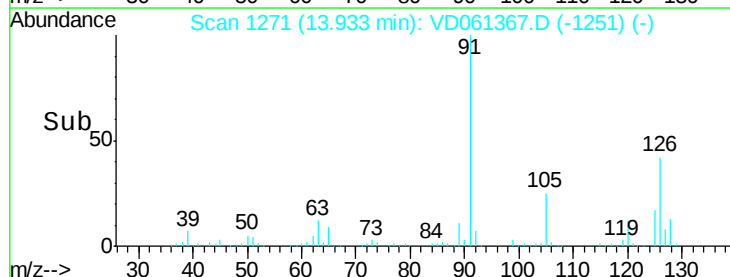
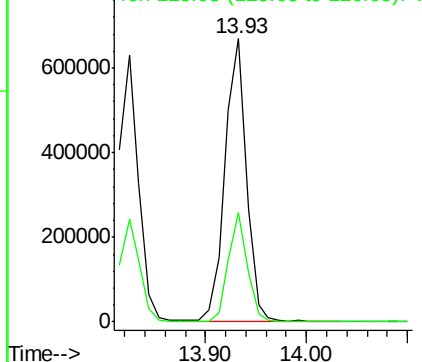
91 100

126 38.7 19.6 58.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

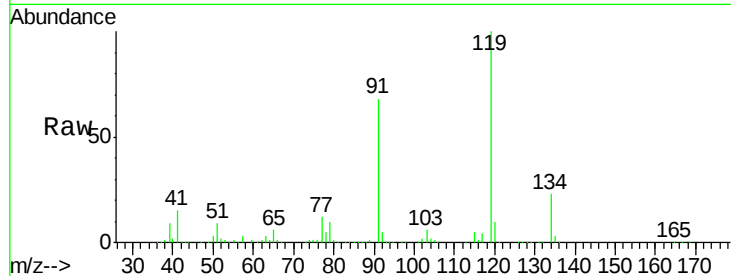




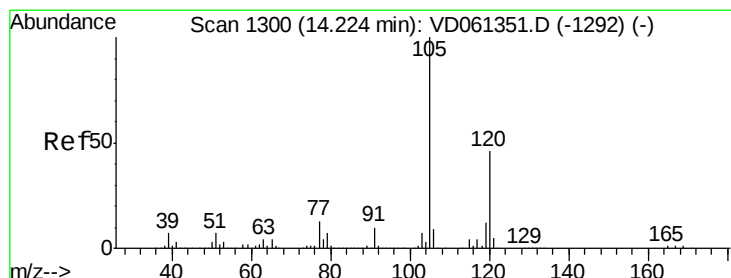
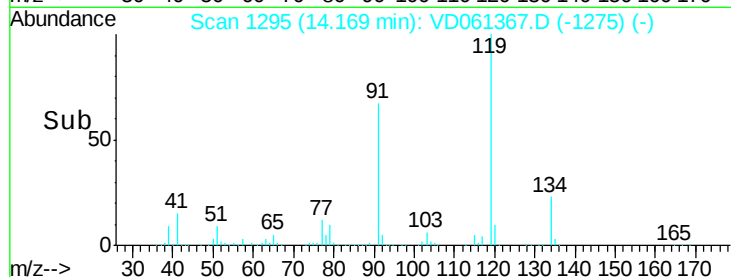
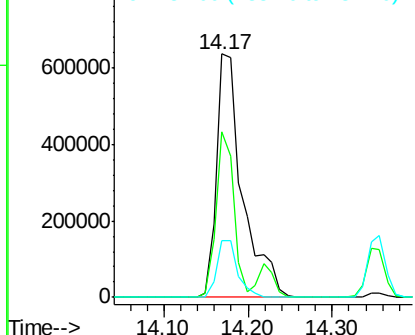
#83
tert-Butylbenzene
Concen: 48.903 ug/l
RT: 14.17 min Scan# 1295
Delta R.T. -0.01 min
Lab File: VD061367.D
Acq: 27 Mar 2019 23:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1372381
Ion Ratio Lower Upper
119 100
91 68.0 34.1 102.3
134 23.2 11.6 34.8

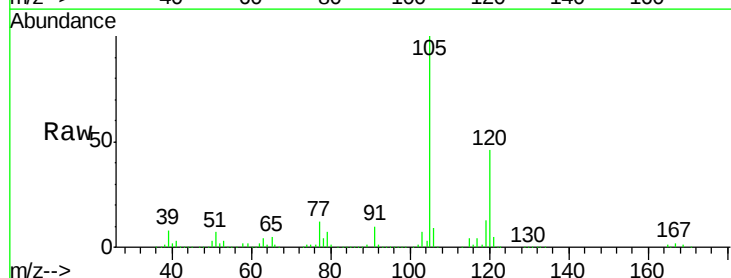


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

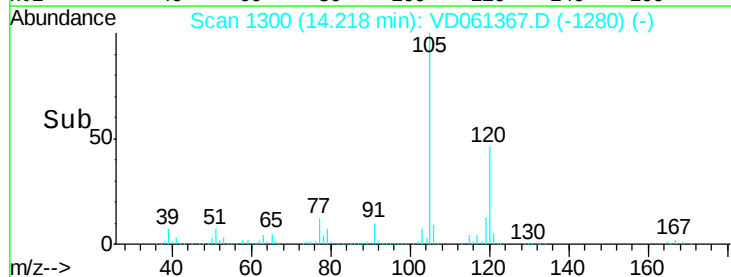
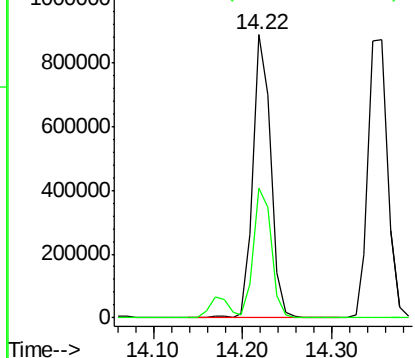


#84
1,2,4-Trimethylbenzene
Concen: 49.506 ug/l
RT: 14.22 min Scan# 1300
Delta R.T. -0.01 min
Lab File: VD061367.D
Acq: 27 Mar 2019 23:28

Tgt Ion:105 Resp: 1203537
Ion Ratio Lower Upper
105 100
120 46.1 22.8 68.4



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

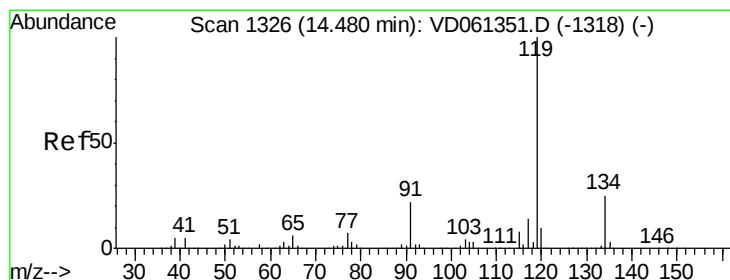
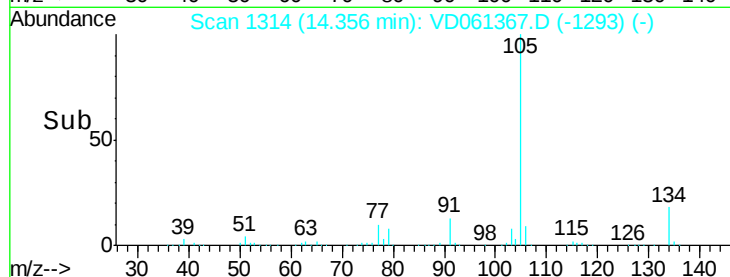
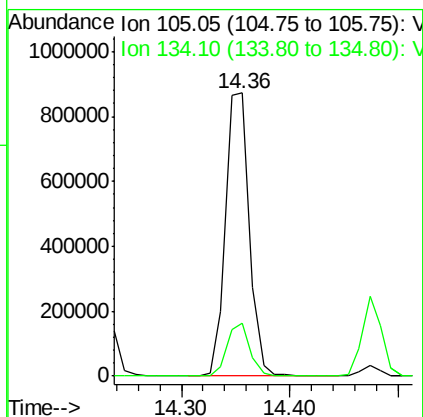
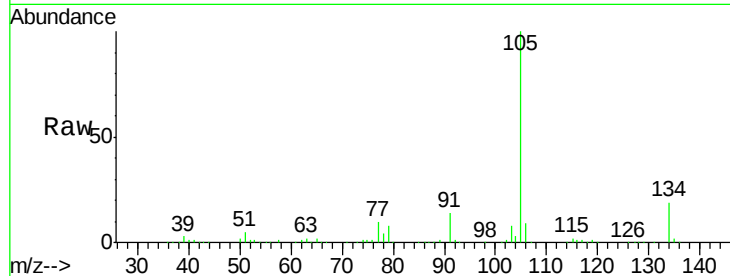




#85
 sec-Butylbenzene
 Concen: 44.862 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. 0.00 min
 Lab File: VD061367.D
 Acq: 27 Mar 2019 23:28

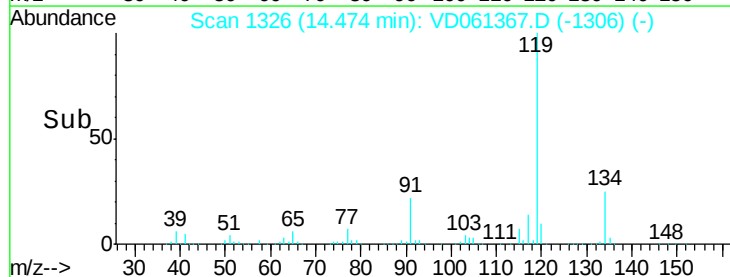
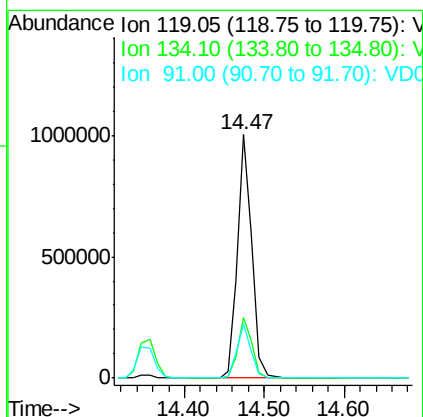
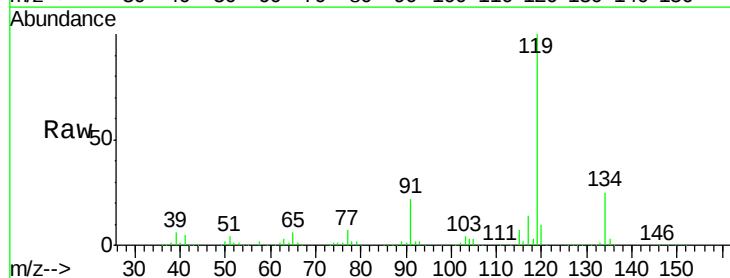
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1337480
 Ion Ratio Lower Upper
 105 100
 134 18.6 8.7 26.1



#86
 p-Isopropyltoluene
 Concen: 50.234 ug/l
 RT: 14.47 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: VD061367.D
 Acq: 27 Mar 2019 23:28

Tgt Ion:119 Resp: 1266399
 Ion Ratio Lower Upper
 119 100
 134 24.6 12.3 36.8
 91 22.3 11.1 33.1

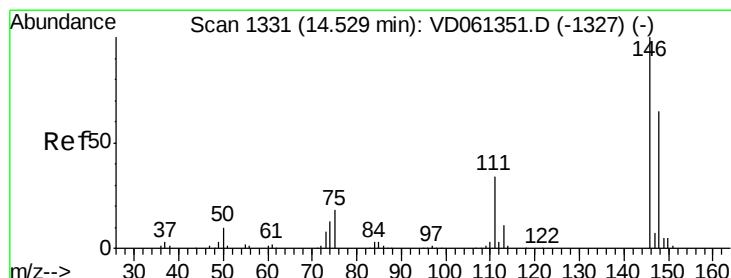
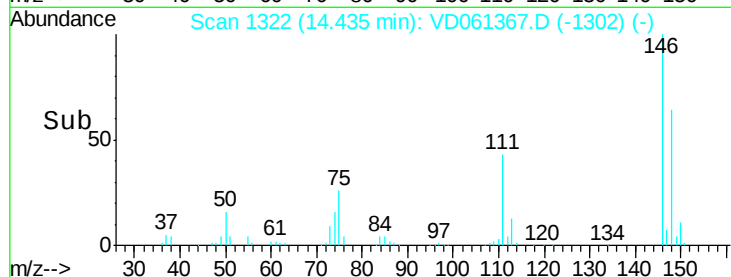
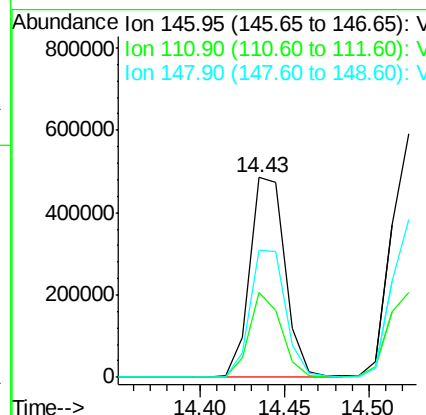
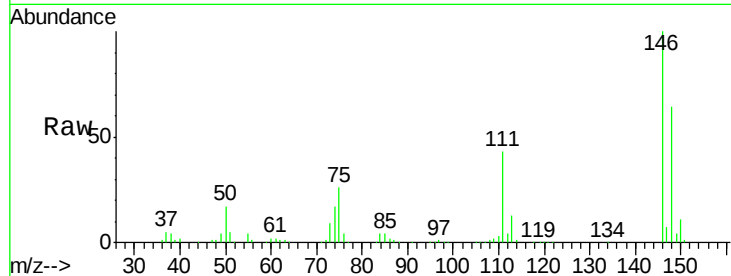




#87
 1,3-Dichlorobenzene
 Concen: 48.929 ug/l
 RT: 14.43 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VD061367.D
 Acq: 27 Mar 2019 23:28

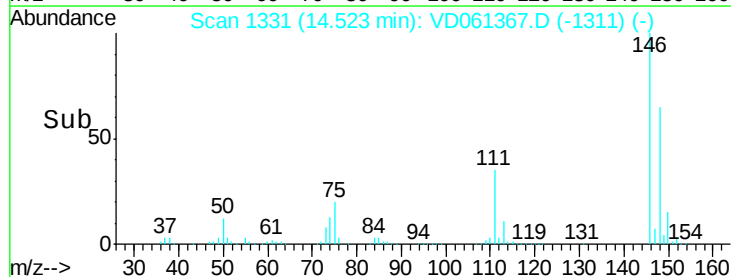
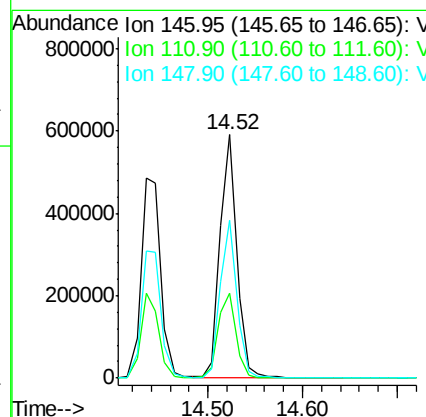
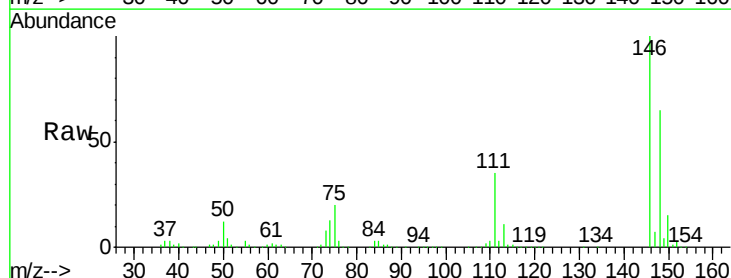
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

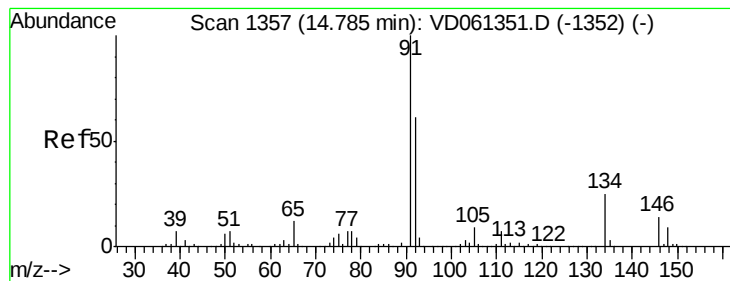
Tot Ion:146 Resp: 710915
 Ion Ratio Lower Upper
 146 100
 111 42.8 20.6 61.9
 148 63.7 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 51.591 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD061367.D
 Acq: 27 Mar 2019 23:28

Tgt Ion:146 Resp: 730997
 Ion Ratio Lower Upper
 146 100
 111 35.0 16.8 50.4
 148 64.6 32.6 98.0





#89

n-Butylbenzene

Concen: 47.931 ug/l

RT: 14.78 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

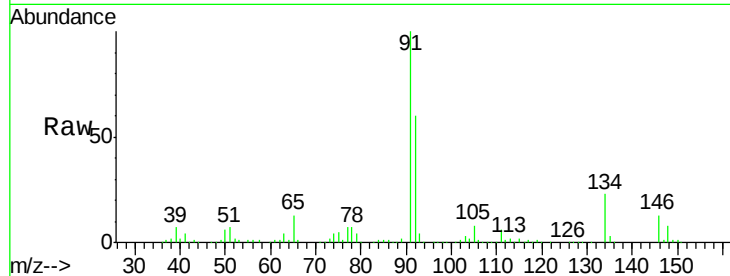
Tot Ion: 91 Resp: 1109056

Ion Ratio Lower Upper

91 100

92 60.2 30.3 91.0

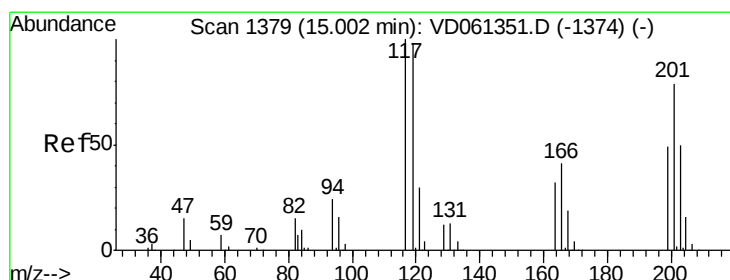
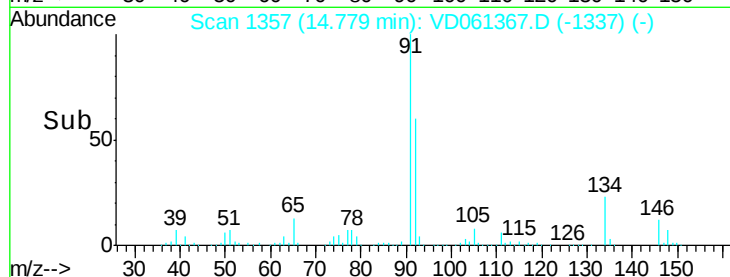
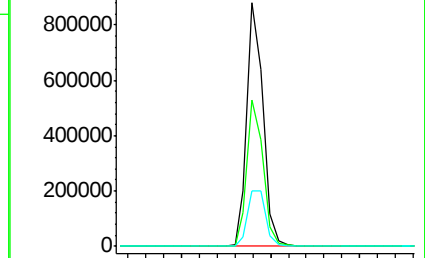
134 23.0 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 52.946 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD061367.D

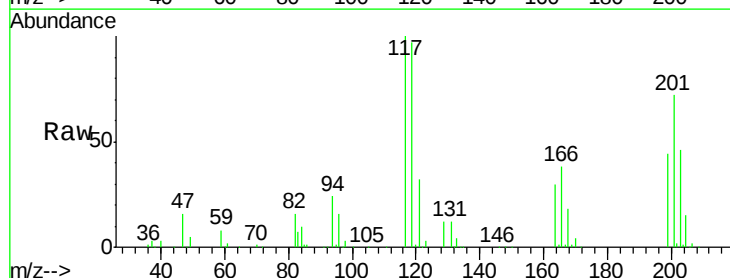
Acq: 27 Mar 2019 23:28

Tgt Ion: 117 Resp: 377084

Ion Ratio Lower Upper

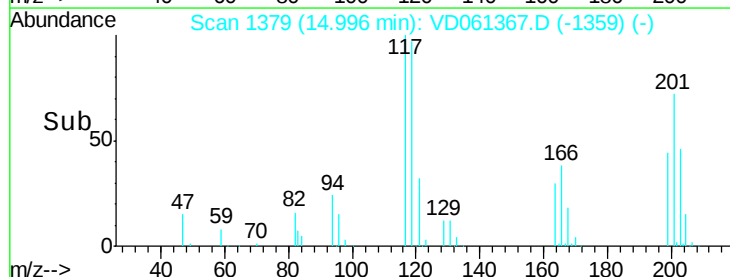
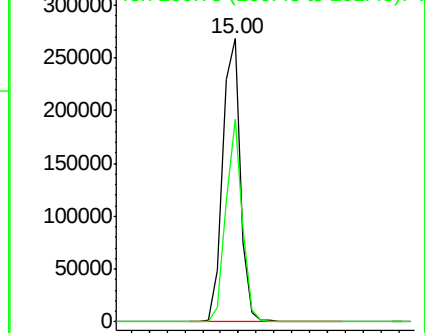
117 100

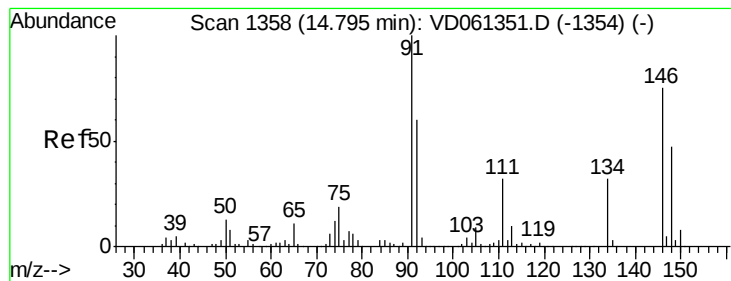
201 71.6 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 48.438 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

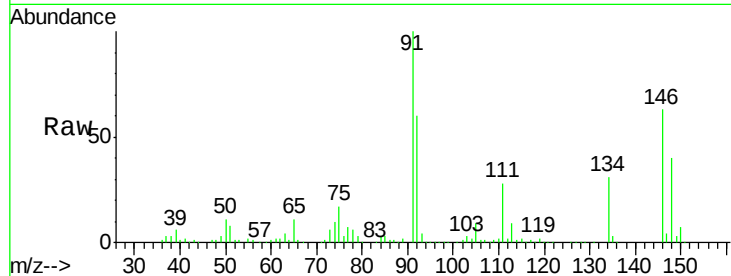
Tot Ion:146 Resp: 577271

Ion Ratio Lower Upper

146 100

111 44.1 21.2 63.6

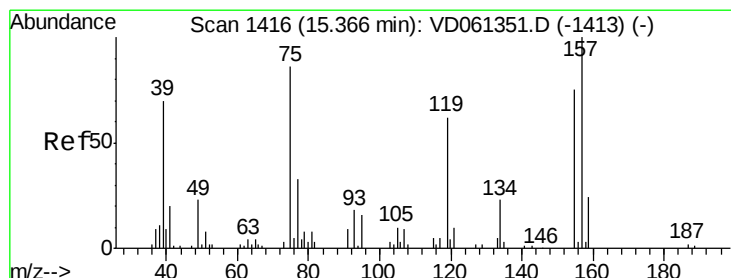
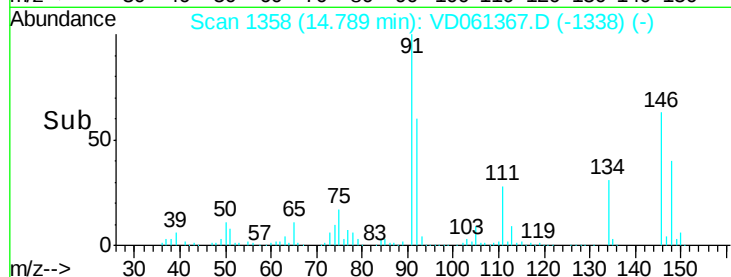
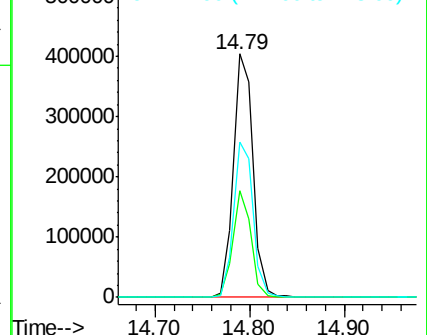
148 63.6 31.6 95.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 58.101 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

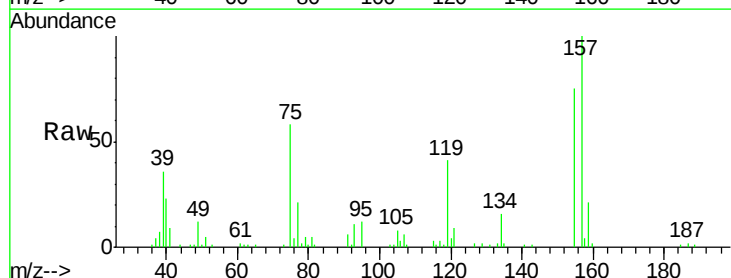
Tgt Ion: 75 Resp: 41604

Ion Ratio Lower Upper

75 100

155 128.5 43.6 130.9

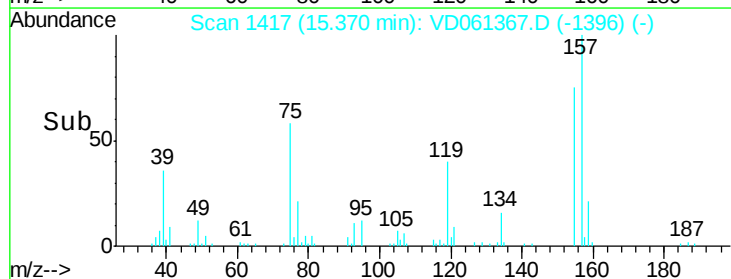
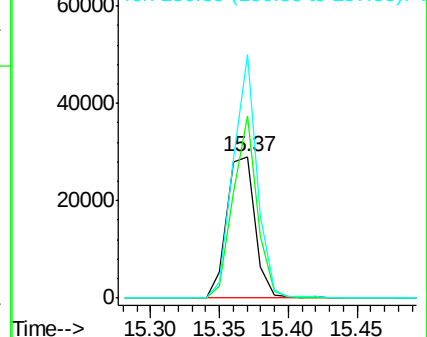
157 171.8 58.5 175.3

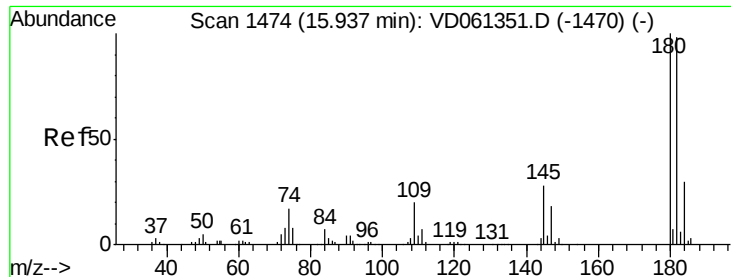


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

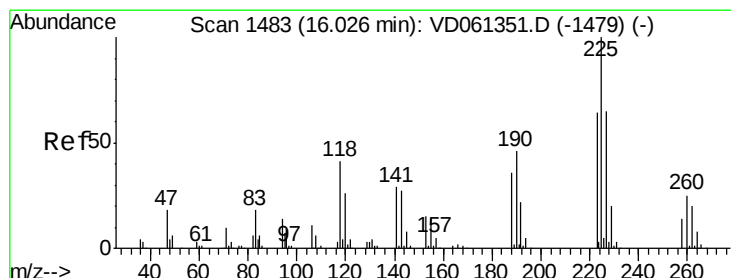
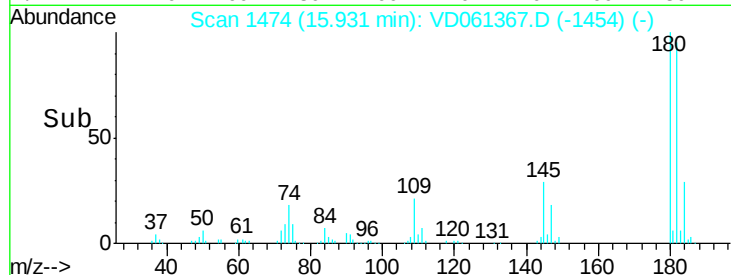
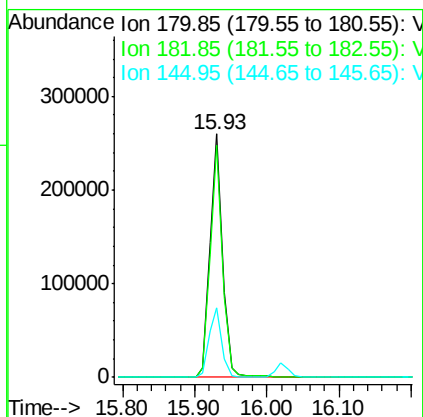
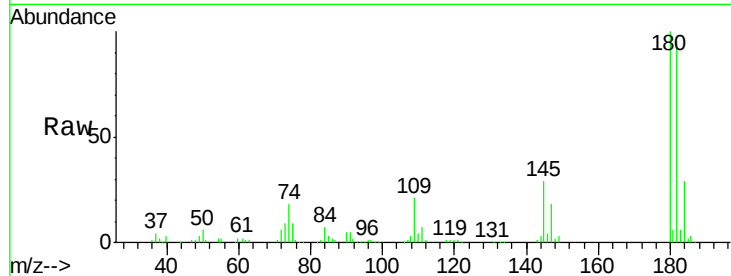




#93
 1,2,4-Trichlorobenzene
 Concen: 57.582 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD061367.D
 Acq: 27 Mar 2019 23:28

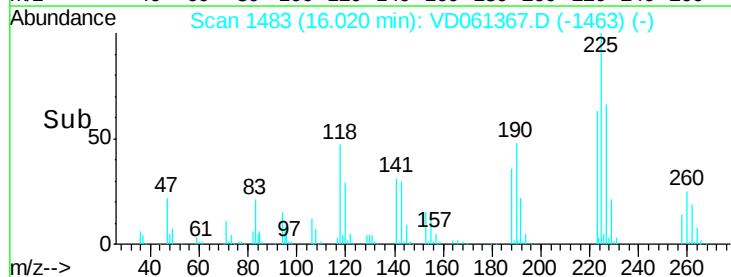
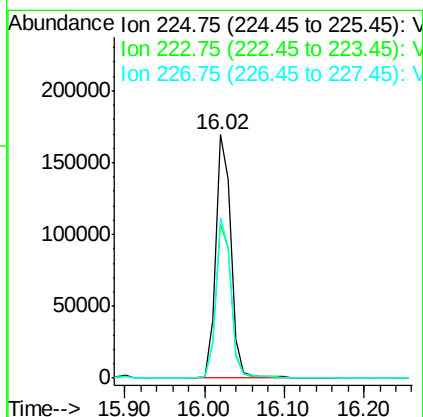
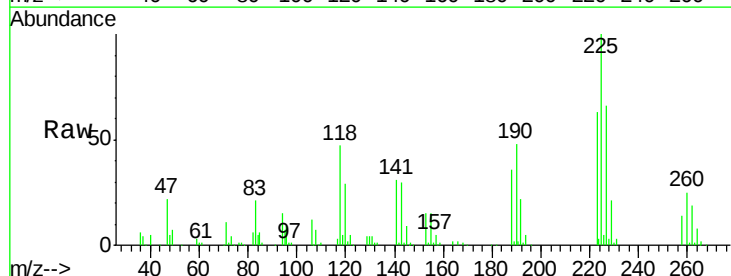
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

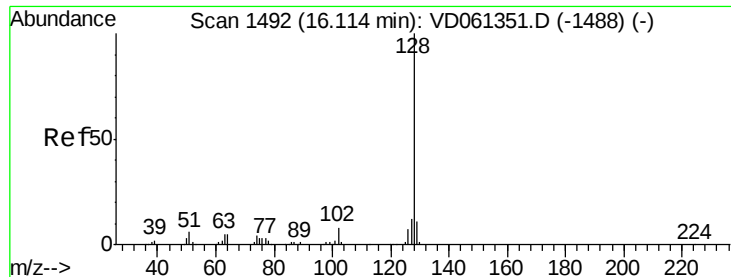
Tot Ion:180 Resp: 312610
 Ion Ratio Lower Upper
 180 100
 182 95.4 48.9 146.8
 145 28.6 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 54.306 ug/l
 RT: 16.02 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: VD061367.D
 Acq: 27 Mar 2019 23:28

Tgt Ion:225 Resp: 230382
 Ion Ratio Lower Upper
 225 100
 223 63.4 32.0 96.0
 227 66.1 32.4 97.2





#95

Naphthalene

Concen: 65.655 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

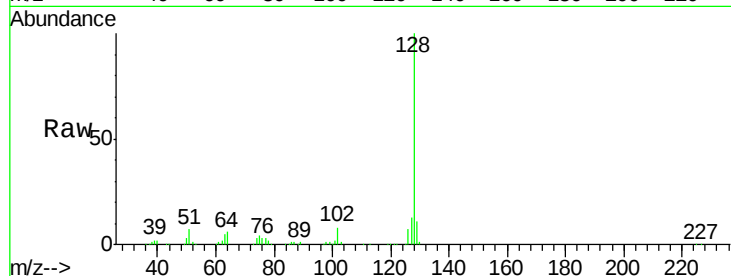
Tot Ion:128 Resp: 543304

Ion Ratio Lower Upper

128 100

127 12.8 9.9 14.9

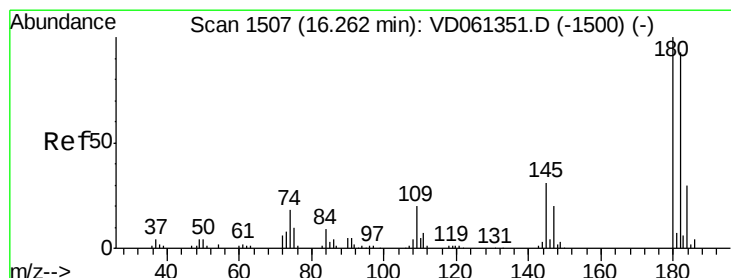
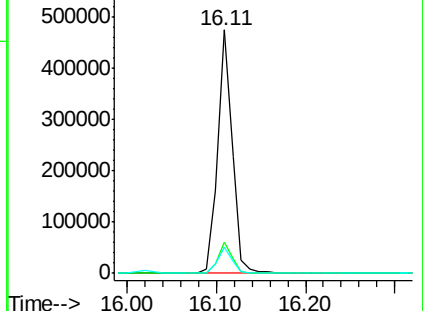
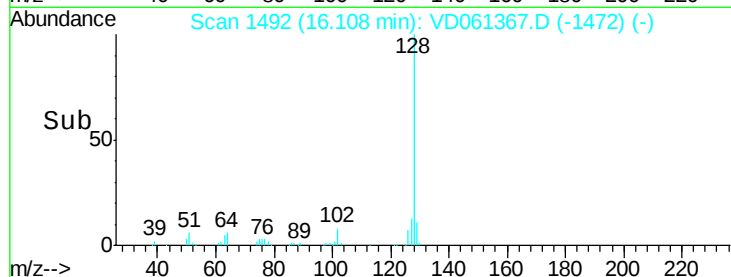
129 10.9 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 67.216 ug/l

RT: 16.26 min Scan# 1507

Delta R.T. -0.01 min

Lab File: VD061367.D

Acq: 27 Mar 2019 23:28

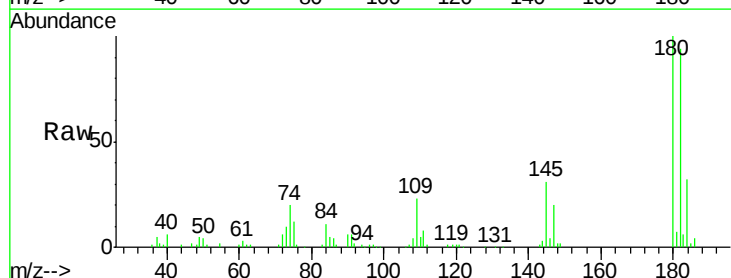
Tgt Ion:180 Resp: 160577

Ion Ratio Lower Upper

180 100

182 93.6 46.4 139.1

145 31.3 15.3 45.9



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

