

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061517.D
 Acq On : 2 Apr 2019 16:34
 Operator : VA/AP
 Sample : VD0402SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS02

Quant Time: Apr 03 01:52:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	692225	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	1184432	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	945001	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	464362	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	284612	48.13	ug/l	0.01
Spiked Amount			Recovery	=	96.26%	
35) Dibromofluoromethane	6.91	113	423731	46.81	ug/l	0.01
Spiked Amount			Recovery	=	93.62%	
50) Toluene-d8	10.39	98	975520	44.94	ug/l	0.01
Spiked Amount			Recovery	=	89.88%	
62) 4-Bromofluorobenzene	13.55	95	375820	45.14	ug/l	0.00
Spiked Amount			Recovery	=	90.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	155815	21.077	ug/l	100
3) Chloromethane	1.76	50	123953	20.559	ug/l	91
4) Vinyl Chloride	1.86	62	111617	20.163	ug/l	97
5) Bromomethane	2.16	94	19823	18.058	ug/l	95
6) Chloroethane	2.26	64	23424	14.429	ug/l	98
7) Trichlorofluoromethane	2.53	101	155214	19.282	ug/l	99
8) Diethyl Ether	2.87	74	53255	20.548	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.15	101	180118	20.813	ug/l	97
10) Methyl Iodide	3.31	142	225767	19.437	ug/l	98
11) Tert butyl alcohol	4.07	59	41979	113.993	ug/l	98
12) 1,1-Dichloroethene	3.13	96	150288	20.227	ug/l	95
13) Acrolein	3.04	56	29243	89.513	ug/l	93
14) Allyl chloride	3.62	41	223728	21.588	ug/l	99
15) Acrylonitrile	4.19	53	148147	115.907	ug/l	93
16) Acetone	3.22	43	173184	113.929	ug/l	97
17) Carbon Disulfide	3.38	76	461626	19.122	ug/l	99
18) Methyl Acetate	3.64	43	74584	23.336	ug/l	100
19) Methyl tert-butyl Ether	4.23	73	296084	23.021	ug/l	97
20) Methylene Chloride	3.81	84	199959	22.423	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	183184	22.836	ug/l	99
22) Diisopropyl ether	5.12	45	493773	22.516	ug/l	100
23) Vinyl Acetate	5.05	43	1340409	112.522	ug/l	99
24) 1,1-Dichloroethane	4.97	63	273295	21.205	ug/l	100
25) 2-Butanone	6.06	43	207749	108.647	ug/l	100
26) 2,2-Dichloropropane	6.01	77	225463	22.006	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	192311	21.881	ug/l	99
28) Bromochloromethane	6.43	49	102883	19.776	ug/l #	95
29) Tetrahydrofuran	6.45	42	103200	111.350	ug/l	99
30) Chloroform	6.65	83	283155	21.263	ug/l	100
31) Cyclohexane	6.95	56	213375	20.950	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	255331	21.733	ug/l	97
36) 1,1-Dichloropropene	7.14	75	219636	21.247	ug/l	98
37) Ethyl Acetate	6.17	43	92119	20.836	ug/l	95
38) Carbon Tetrachloride	7.11	117	243294	20.482	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	228460	21.220	ug/l	97
40) Benzene	7.44	78	572018	22.048	ug/l	98
41) Methacrylonitrile	6.43	41	114540	22.158	ug/l #	90
42) 1,2-Dichloroethane	7.57	62	167111	21.533	ug/l	100
43) Isopropyl Acetate	9.23	43	135807	21.112	ug/l	98
44) Trichloroethene	8.53	130	198695	20.579	ug/l	97
45) 1,2-Dichloropropane	8.93	63	132270	20.106	ug/l	99
46) Dibromomethane	9.06	93	95845	21.646	ug/l	98
47) Bromodichloromethane	9.36	83	222683	22.407	ug/l	99
48) Methyl methacrylate	9.11	41	81372	22.921	ug/l	98
49) 1,4-Dioxane	9.07	88	17317	442.247	ug/l	97
51) 4-Methyl-2-Pentanone	10.29	43	425959	108.843	ug/l	99
52) Toluene	10.49	92	363993	22.997	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	187294	20.743	ug/l	97
54) cis-1,3-Dichloropropene	10.02	75	226622	20.612	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	120471	21.764	ug/l	96
56) Ethyl methacrylate	11.03	69	123092	20.700	ug/l	99
57) 1,3-Dichloropropane	11.39	76	175735	21.600	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.84	63	349534	120.700	ug/l	98
59) 2-Hexanone	11.52	43	342456	120.776	ug/l	99
60) Dibromochloromethane	11.67	129	196345	23.009	ug/l	98
61) 1,2-Dibromoethane	11.79	107	138700	21.639	ug/l	99
64) Tetrachloroethene	11.24	164	160262	21.609	ug/l	97
65) Chlorobenzene	12.39	112	452719	23.442	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	164232	21.963	ug/l	97
67) Ethyl Benzene	12.51	91	671296	22.773	ug/l	98
68) m/p-Xylenes	12.66	106	517247	46.321	ug/l	98
69) o-Xylene	13.04	106	243433	22.465	ug/l	99
70) Styrene	13.06	104	395581	20.942	ug/l	97
71) Bromoform	13.23	173	101436	21.399	ug/l	98
73) Isopropylbenzene	13.40	105	676070	20.919	ug/l	100
74) N-amyl acetate	13.26	43	193761	21.521	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	129488	18.993	ug/l	92
76) 1,2,3-Trichloropropane	13.72	75	134584	20.064	ug/l	100
77) Bromobenzene	13.66	156	169711	17.713	ug/l	86
78) n-propylbenzene	13.76	91	809357	20.464	ug/l	94
79) 2-Chlorotoluene	13.83	91	437470	20.371	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	564684	22.519	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	38082	18.620	ug/l	95
82) 4-Chlorotoluene	13.94	91	528965	22.653	ug/l	92
83) tert-Butylbenzene	14.18	119	574098	18.320	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	566338	20.861	ug/l	99
85) sec-Butylbenzene	14.36	105	705396	21.188	ug/l	97
86) p-Isopropyltoluene	14.48	119	640515	22.753	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	349772	21.558	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	358705	22.671	ug/l	95
89) n-Butylbenzene	14.80	91	582227	22.533	ug/l	98
90) Hexachloroethane	15.00	117	159154	20.012	ug/l	82
91) 1,2-Dichlorobenzene	14.81	146	291543	21.907	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	16470	20.597	ug/l	70

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Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration

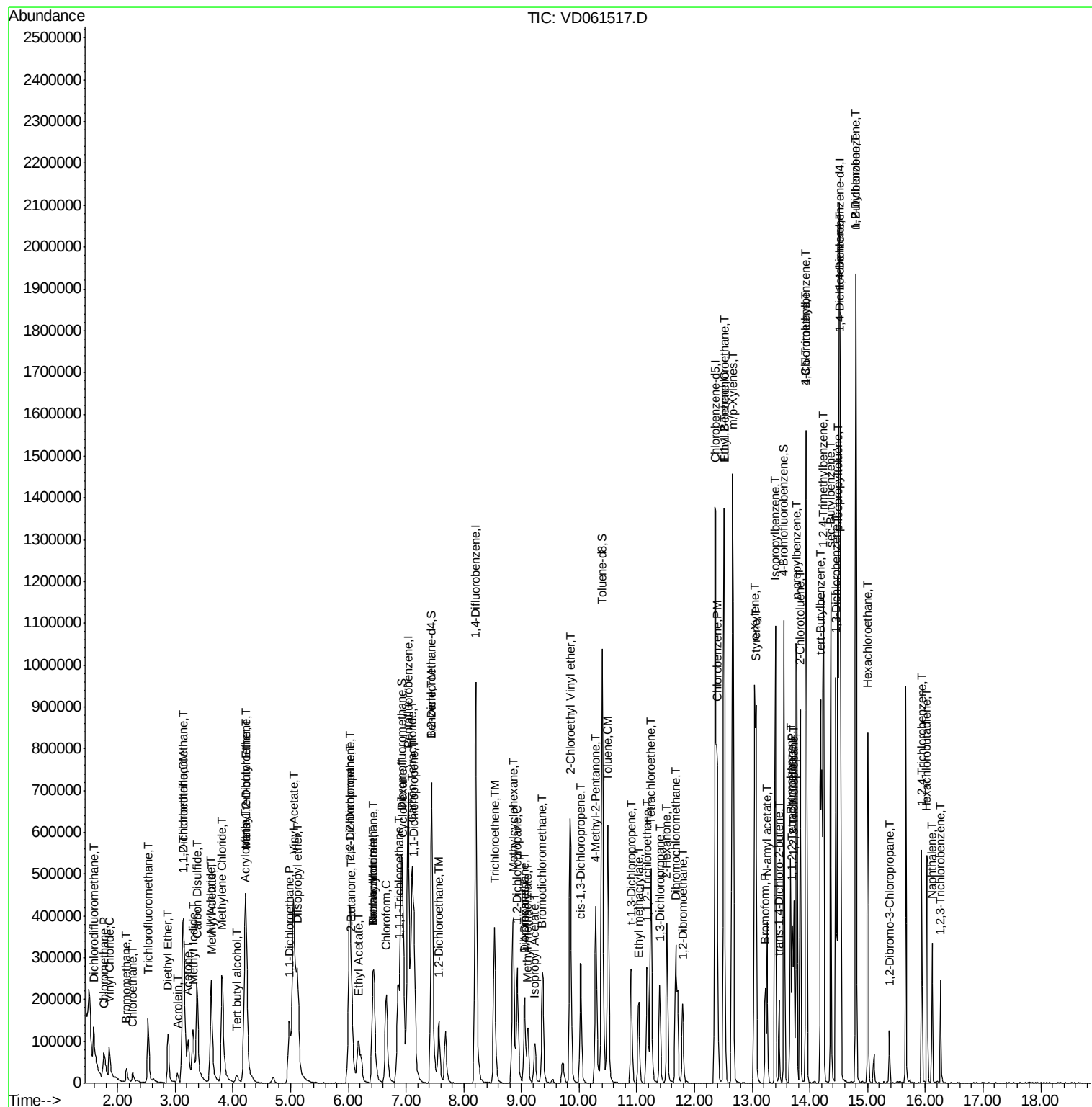
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	135157	22.294	ug/l	96
94) Hexachlorobutadiene	16.04	225	100269	21.166	ug/l	98
95) Naphthalene	16.11	128	215822	23.355	ug/l	98
96) 1,2,3-Trichlorobenzene	16.26	180	62540	23.443	ug/l	97

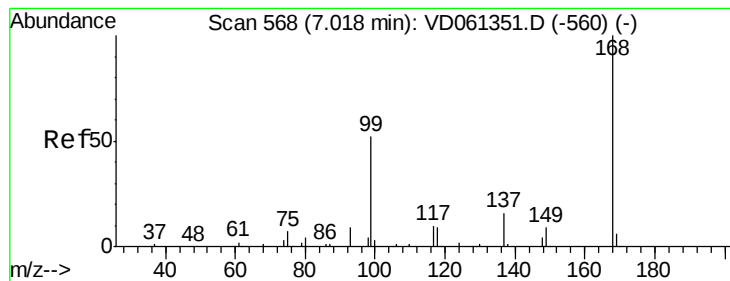
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.02 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

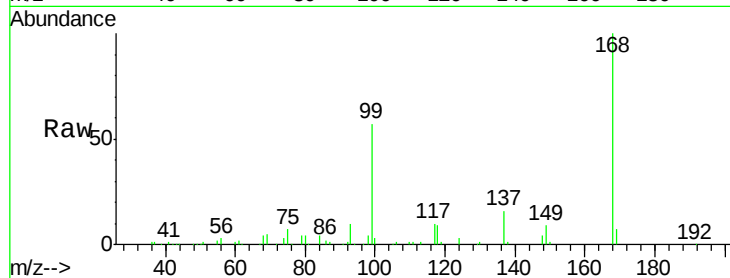
VD0402SBS02

Tot Ion:168 Resp: 692225

Ion Ratio Lower Upper

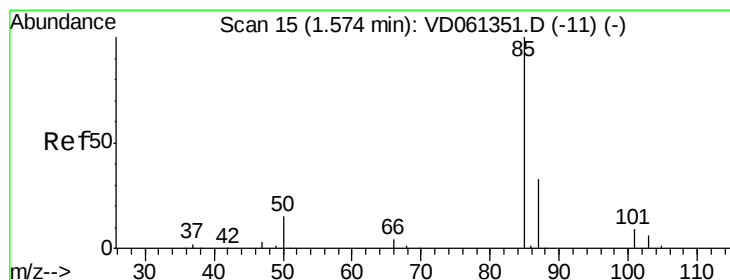
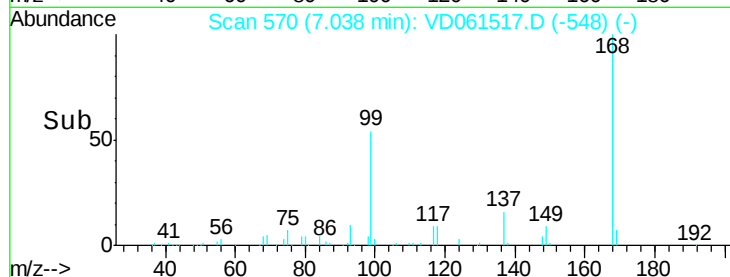
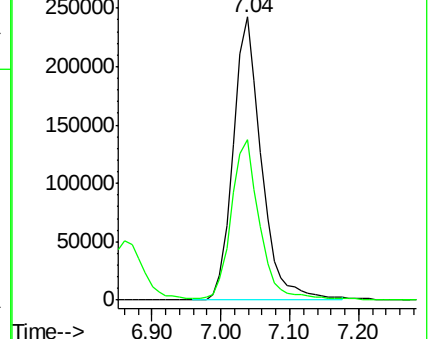
168 100

99 56.8 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: 21.077 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD061517.D

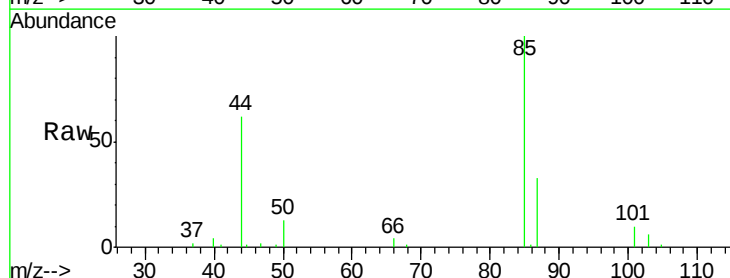
Acq: 2 Apr 2019 16:34

Tgt Ion: 85 Resp: 155815

Ion Ratio Lower Upper

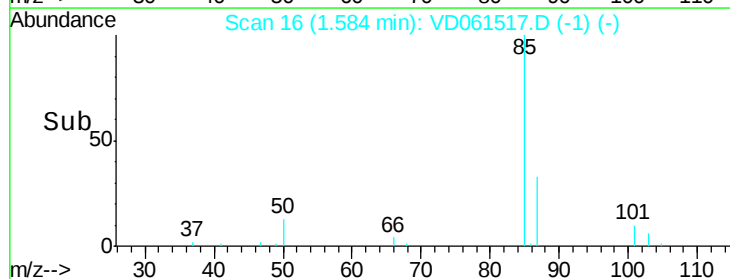
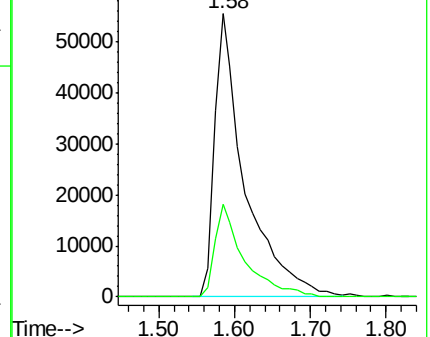
85 100

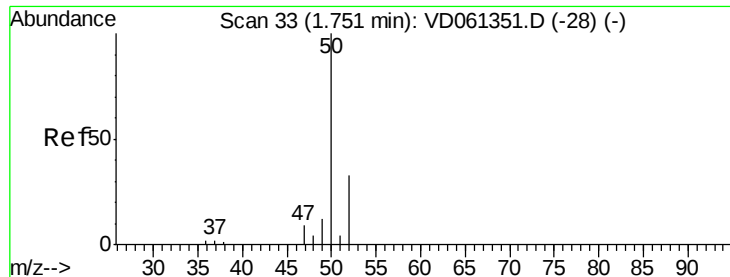
87 32.9 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.559 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.01 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

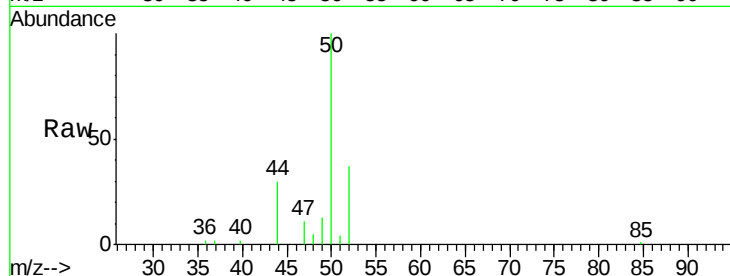
VD0402SBS02

Tot Ion: 50 Resp: 123953

Ion Ratio Lower Upper

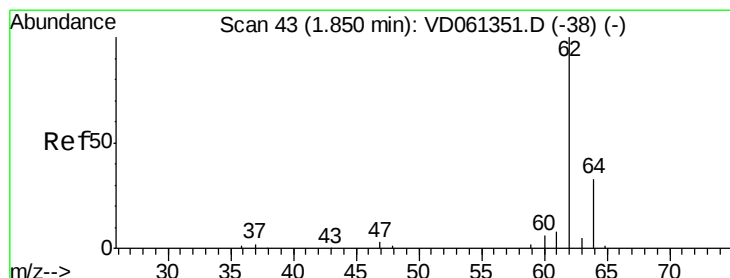
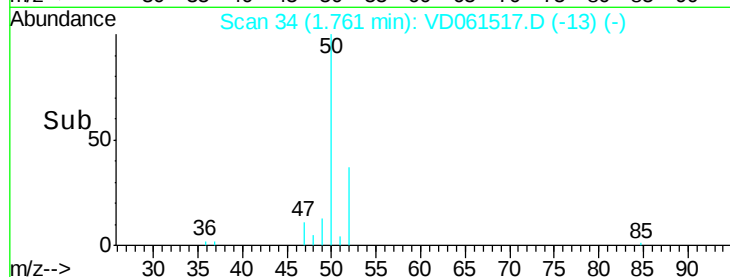
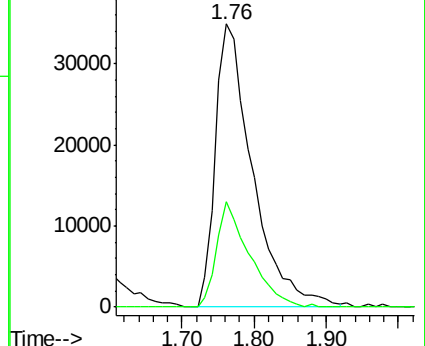
50 100

52 37.5 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: 20.163 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.01 min

Lab File: VD061517.D

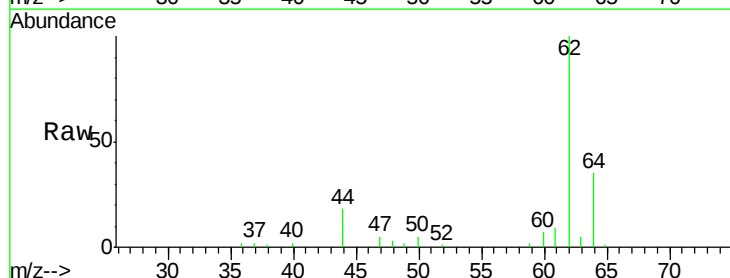
Acq: 2 Apr 2019 16:34

Tgt Ion: 62 Resp: 111617

Ion Ratio Lower Upper

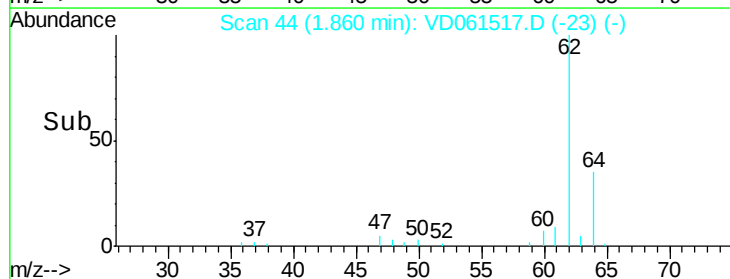
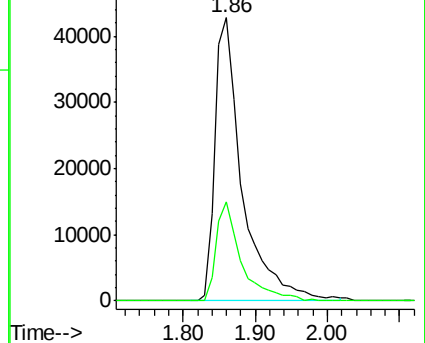
62 100

64 34.8 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

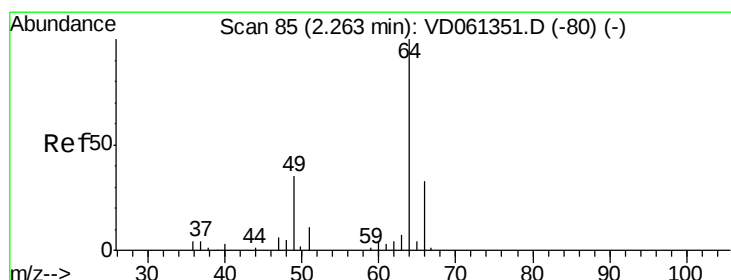
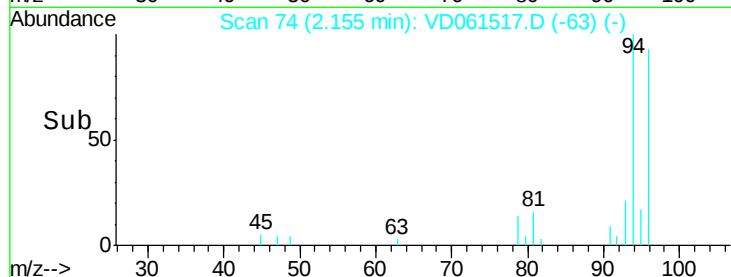
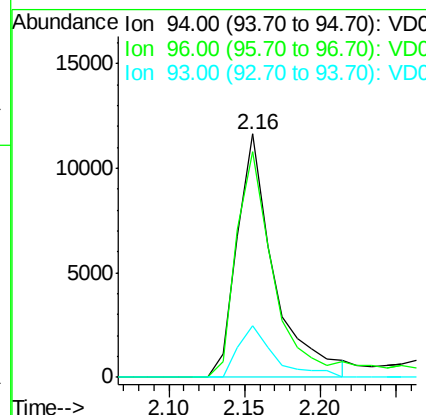
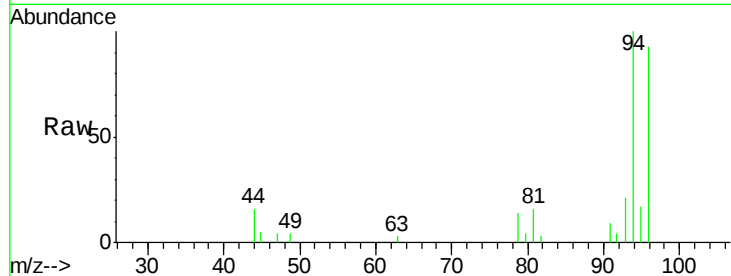




#5
Bromomethane
Concen: 18.058 ug/l
RT: 2.16 min Scan# 74
Delta R.T. 0.01 min
Lab File: VD061517.D
Acq: 2 Apr 2019 16:34

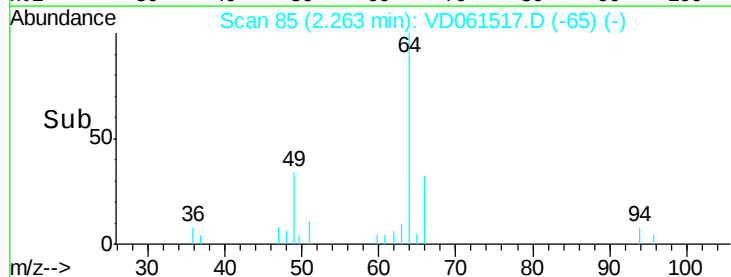
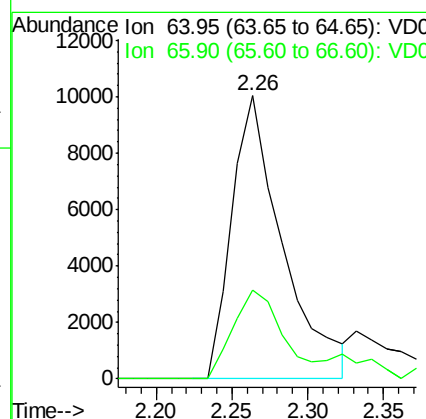
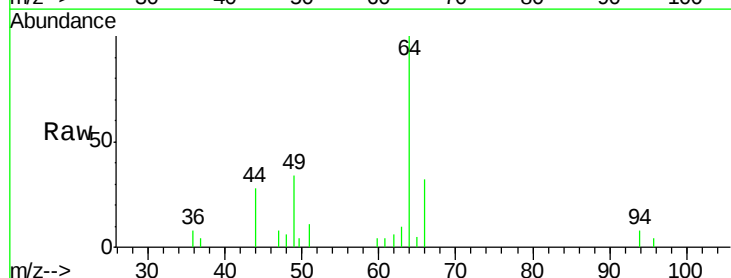
Instrument :
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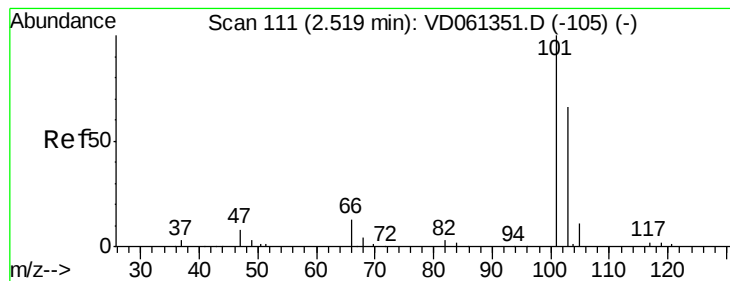
Tot Ion: 94 Resp: 19823
Ion Ratio Lower Upper
94 100
96 92.7 78.3 117.5
93 20.9 15.6 23.4



#6
Chloroethane
Concen: 14.429 ug/l
RT: 2.26 min Scan# 85
Delta R.T. 0.00 min
Lab File: VD061517.D
Acq: 2 Apr 2019 16:34

Tgt Ion: 64 Resp: 23424
Ion Ratio Lower Upper
64 100
66 31.5 26.2 39.2



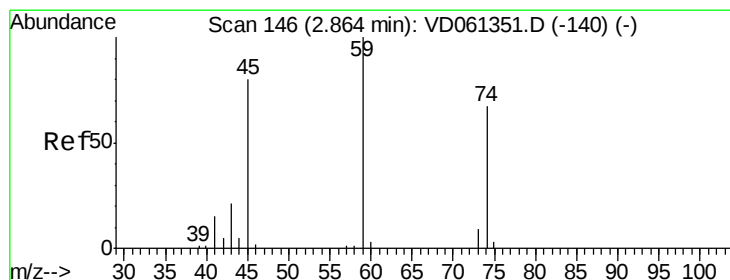
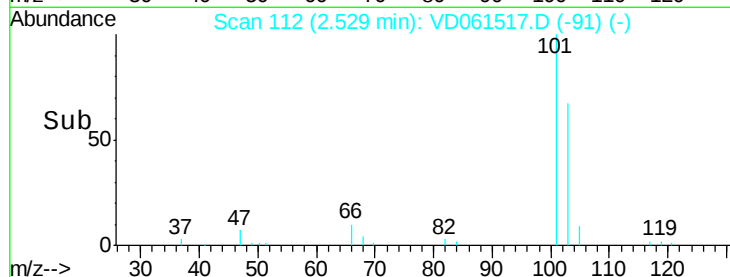
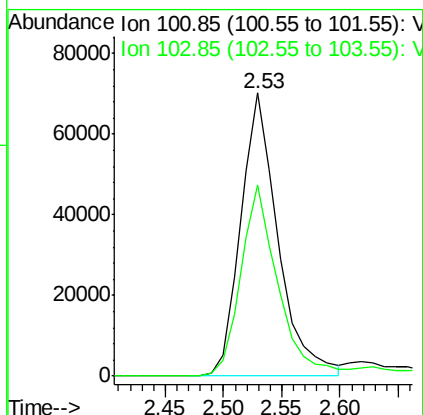
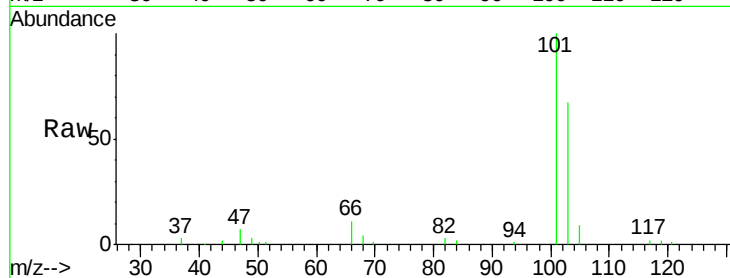


#7

Trichlorofluoromethane
 Concen: 19.282 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: VD061517.D
 Acq: 2 Apr 2019 16:34

Instrument :
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 ClientSampleId :
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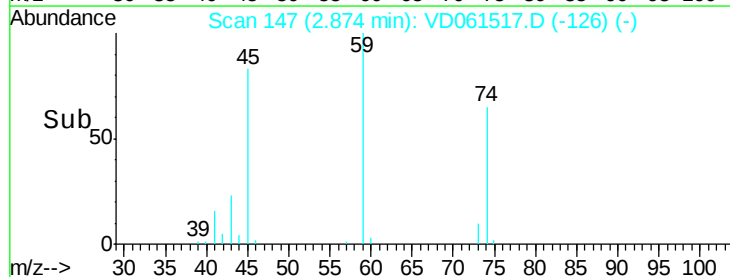
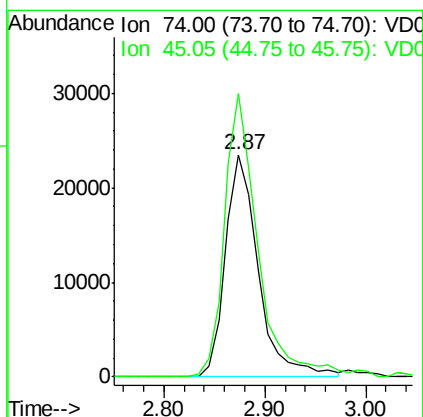
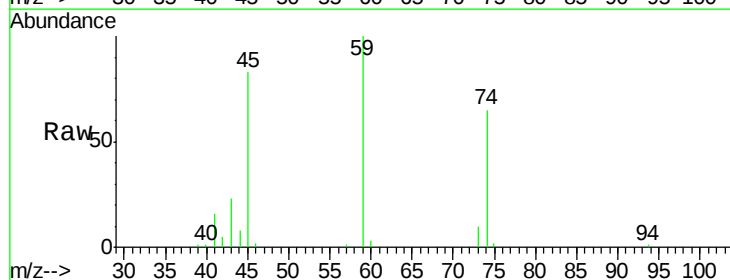
Tot Ion:101 Resp: 155214
 Ion Ratio Lower Upper
 101 100
 103 67.4 53.1 79.7



#8

Diethyl Ether
 Concen: 20.548 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD061517.D
 Acq: 2 Apr 2019 16:34

Tgt Ion: 74 Resp: 53255
 Ion Ratio Lower Upper
 74 100
 45 127.3 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.813 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

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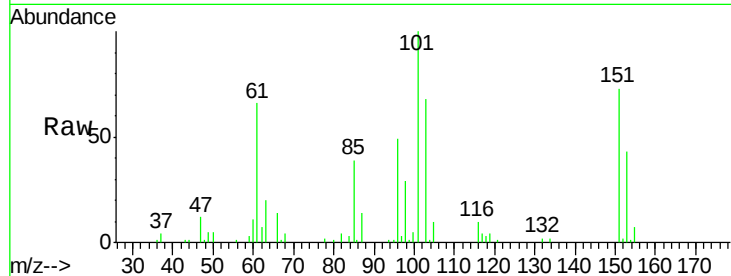
Tot Ion:101 Resp: 180118

Ion Ratio Lower Upper

101 100

85 39.4 29.4 44.0

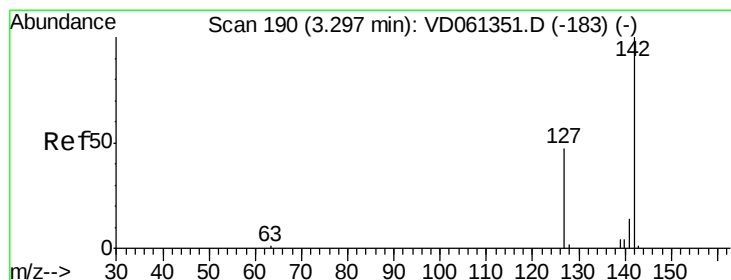
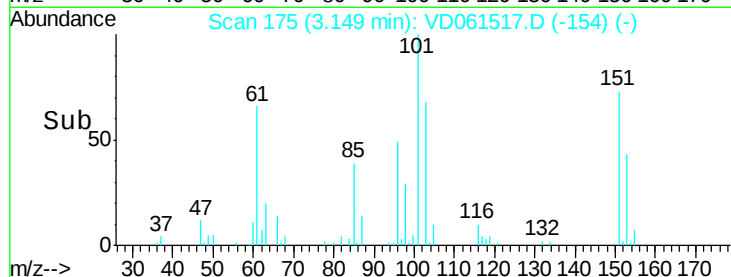
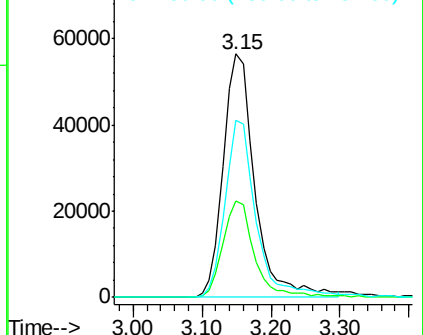
151 72.6 57.0 85.4



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: 19.437 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.01 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

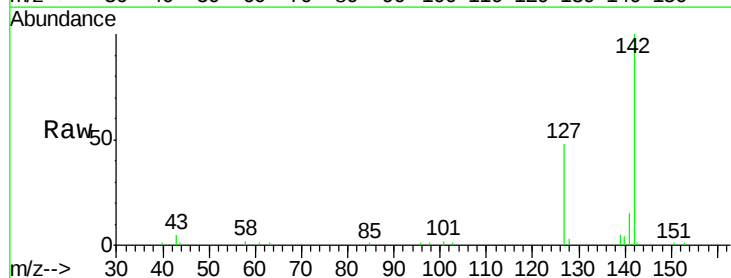
Tgt Ion:142 Resp: 225767

Ion Ratio Lower Upper

142 100

127 48.5 37.7 56.5

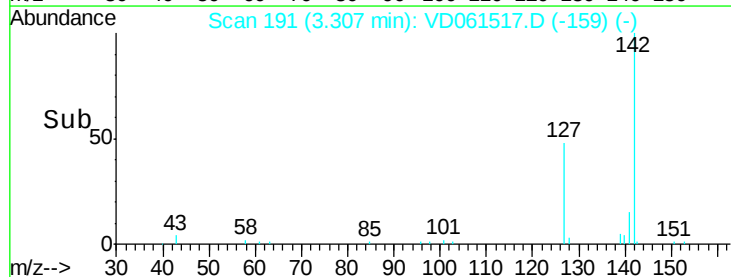
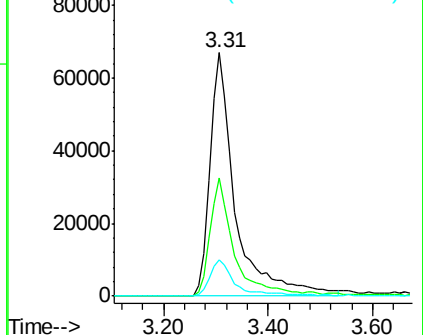
141 14.7 11.5 17.3

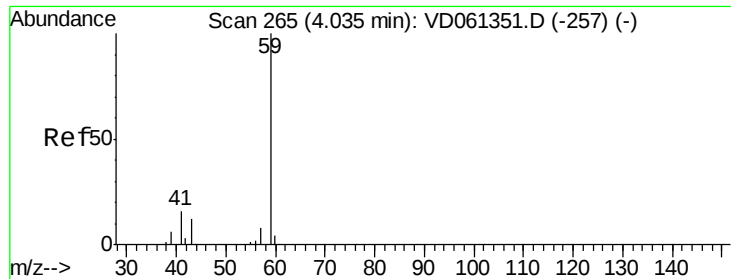


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



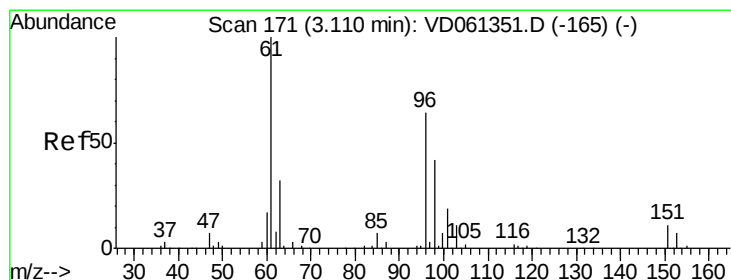
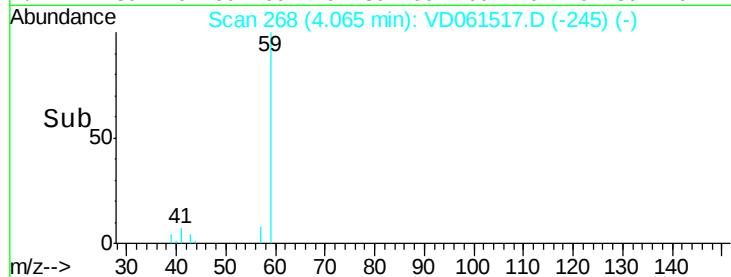
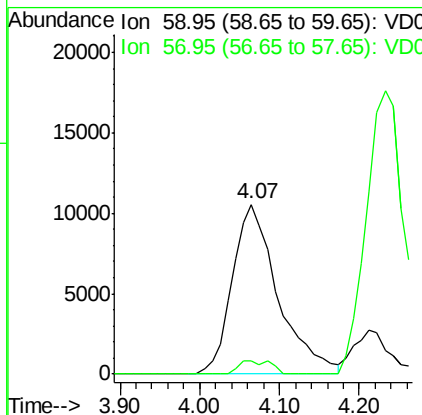
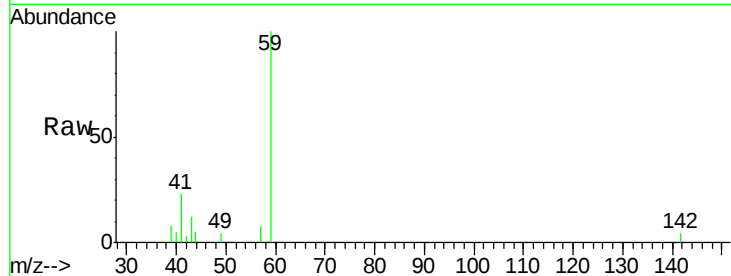


#11

Tert butyl alcohol
Concen: 113.993 ug/l
RT: 4.07 min Scan# 268
Delta R.T. 0.03 min
Lab File: VD061517.D
Acq: 2 Apr 2019 16:34

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS02

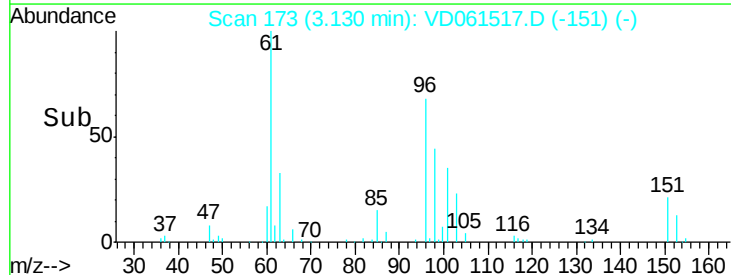
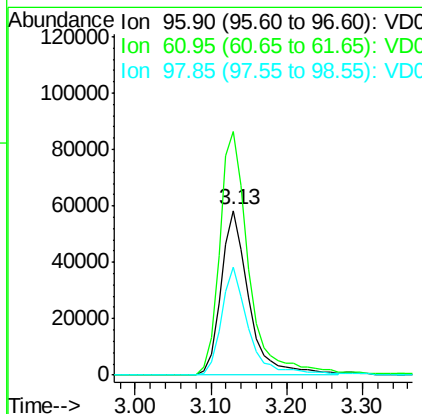
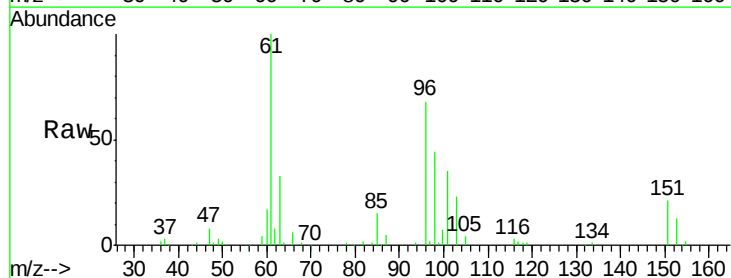
Tot Ion: 59 Resp: 41979
Ion Ratio Lower Upper
59 100
57 7.8 6.7 10.1

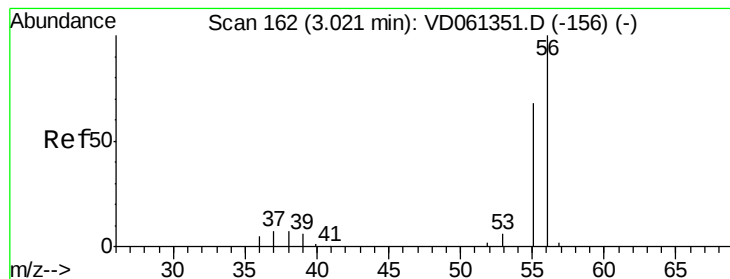


#12

1,1-Dichloroethene
Concen: 20.227 ug/l
RT: 3.13 min Scan# 173
Delta R.T. 0.02 min
Lab File: VD061517.D
Acq: 2 Apr 2019 16:34

Tgt Ion: 96 Resp: 150288
Ion Ratio Lower Upper
96 100
61 147.8 124.9 187.3
98 65.3 52.5 78.7





#13

Acrolein

Concen: 89.513 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.02 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

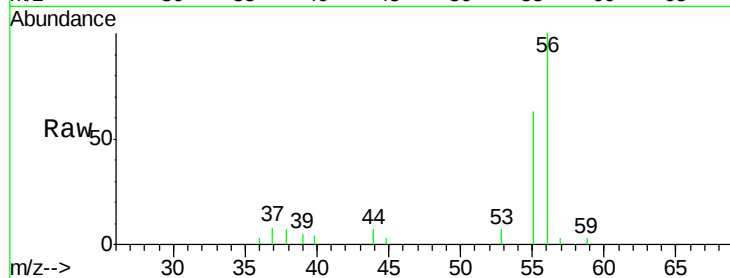
VD0402SBS02

Tot Ion: 56 Resp: 29243

Ion Ratio Lower Upper

56 100

55 62.8 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

6000

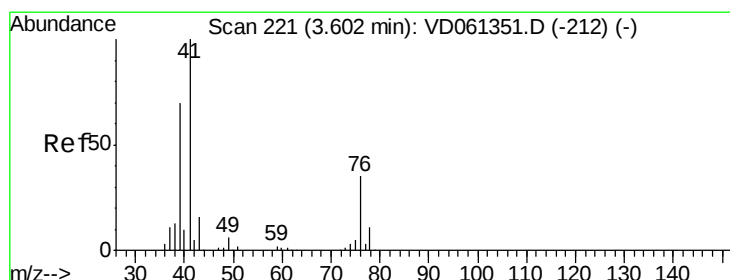
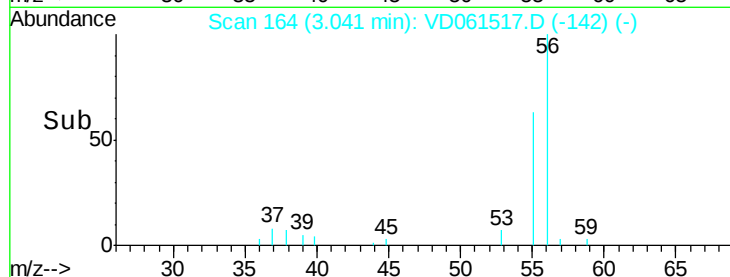
4000

2000

0

Time--> 2.90 3.00 3.10 3.20

3.04



#14

Allyl chloride

Concen: 21.588 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.02 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

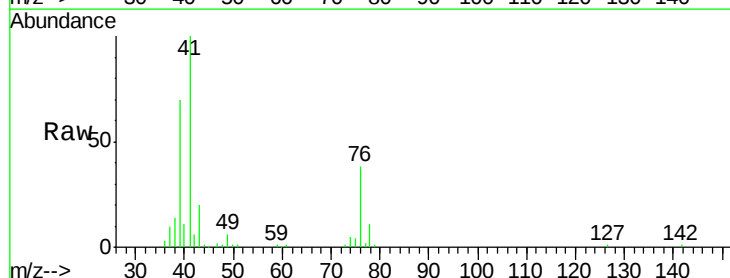
Tgt Ion: 41 Resp: 223728

Ion Ratio Lower Upper

41 100

39 69.9 55.6 83.4

76 38.0 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

100000

80000

60000

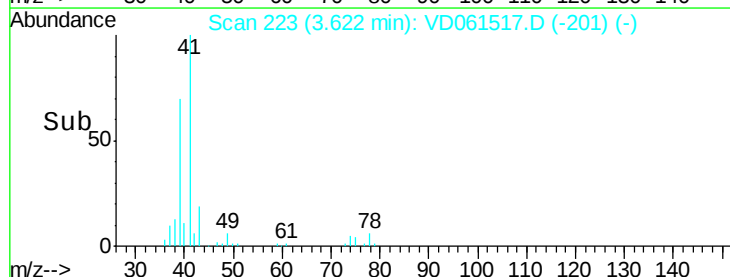
40000

20000

0

Time--> 3.50 3.60 3.70 3.80

3.62





#15

Acrylonitrile

Concen: 115.907 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.02 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBS02

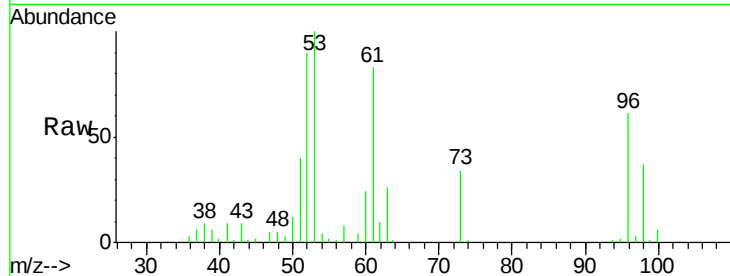
Tot Ion: 53 Resp: 148147

Ion Ratio Lower Upper

53 100

52 89.8 64.8 97.2

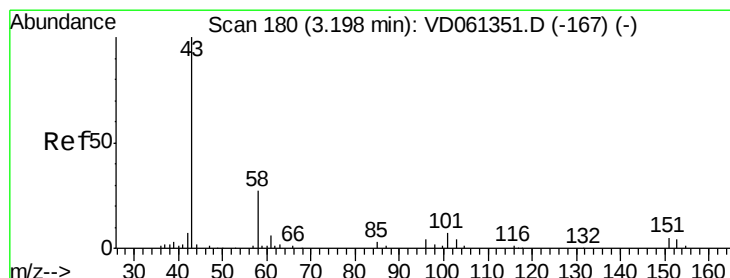
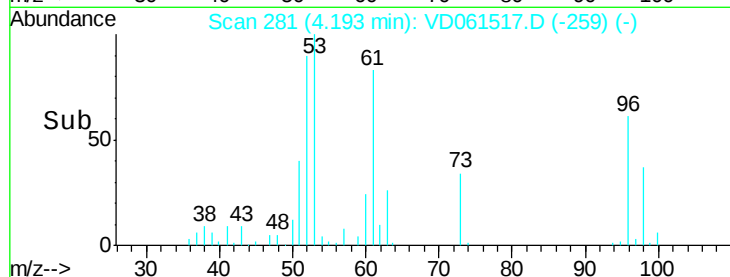
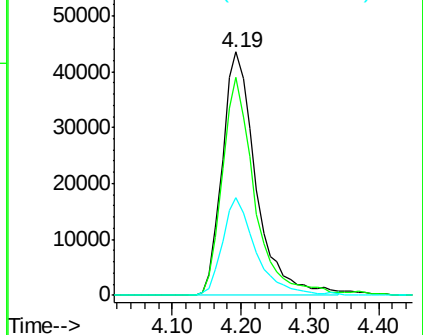
51 40.4 31.4 47.2



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 113.929 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD061517.D

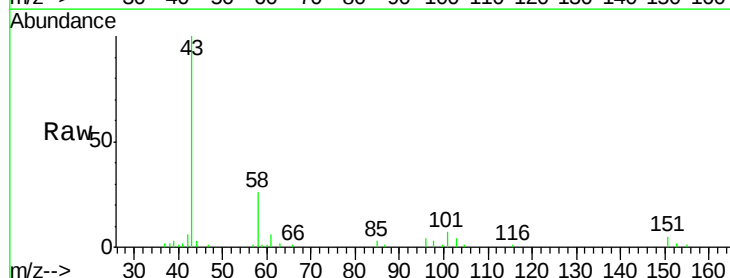
Acq: 2 Apr 2019 16:34

Tgt Ion: 43 Resp: 173184

Ion Ratio Lower Upper

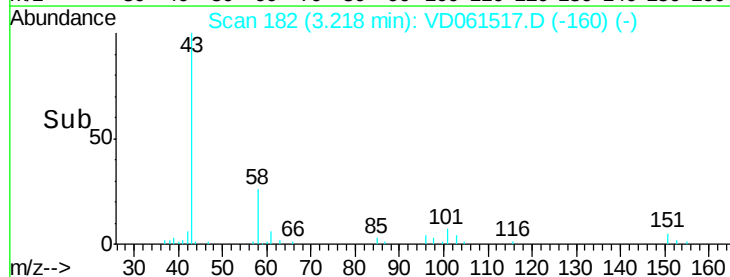
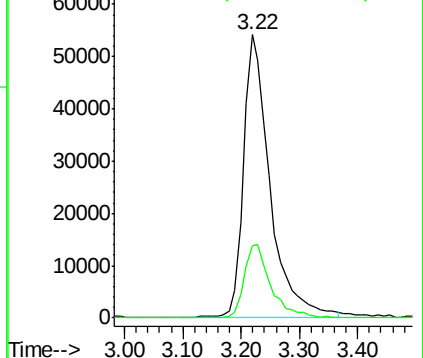
43 100

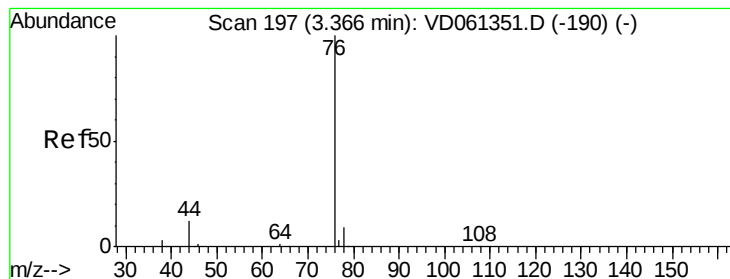
58 25.5 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 19.122 ug/l

RT: 3.38 min Scan# 198

Delta R.T. 0.01 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

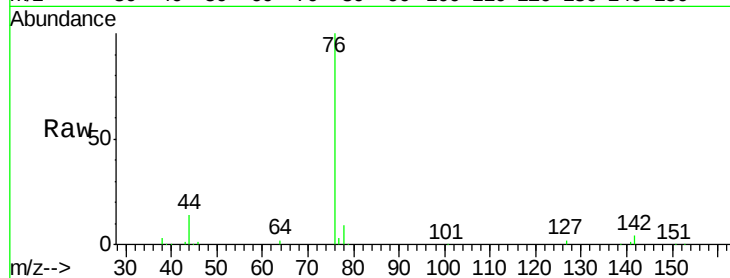
VD0402SBS02

Tot Ion: 76 Resp: 461626

Ion Ratio Lower Upper

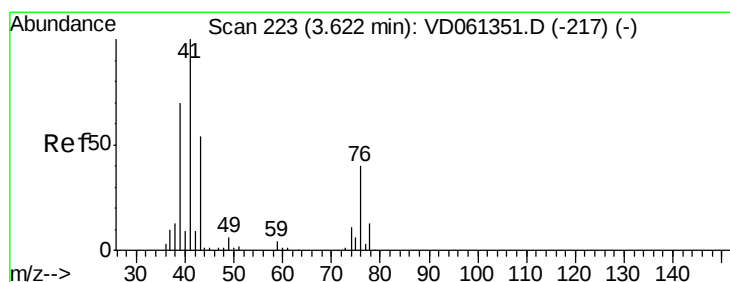
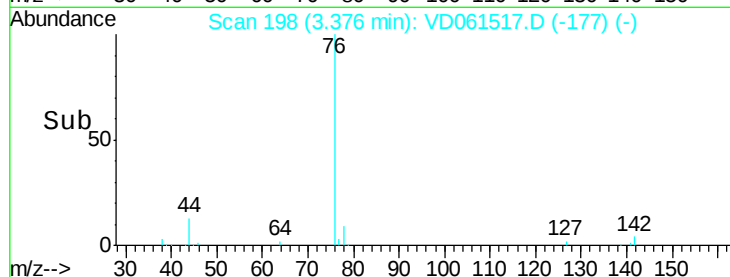
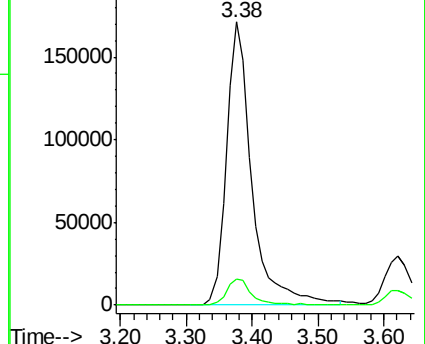
76 100

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: 23.336 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.02 min

Lab File: VD061517.D

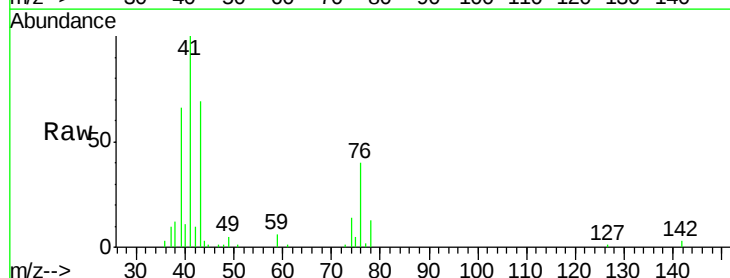
Acq: 2 Apr 2019 16:34

Tgt Ion: 43 Resp: 74584

Ion Ratio Lower Upper

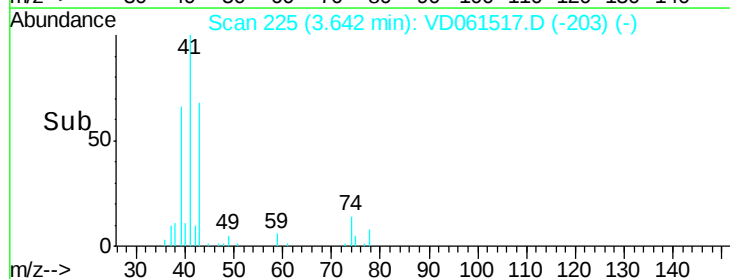
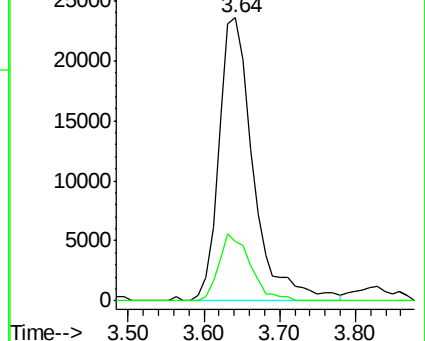
43 100

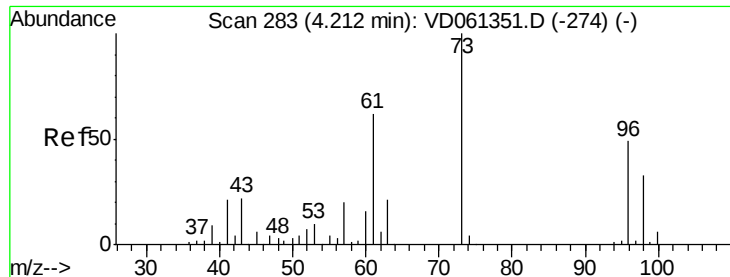
74 20.8 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

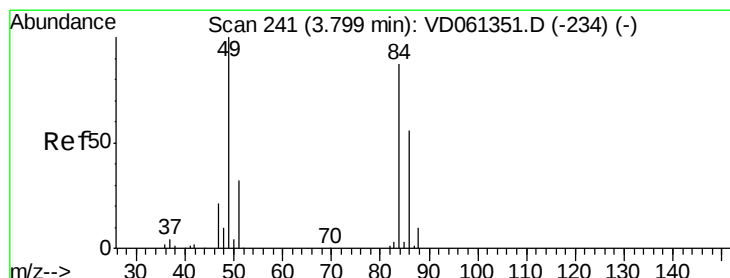
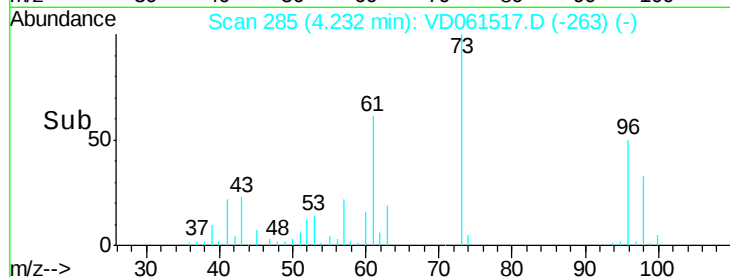
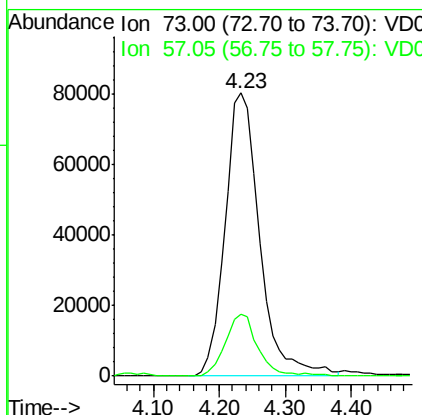
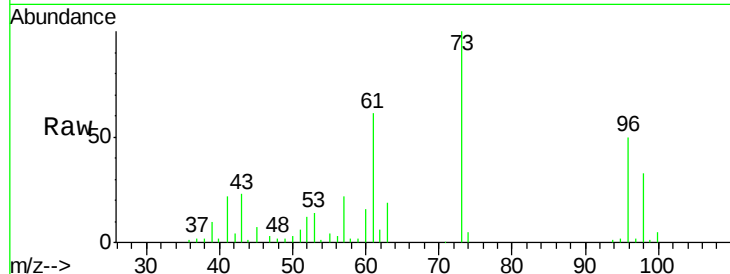




#19
Methvl tert-butvl Ether
Concen: 23.021 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.02 min
Lab File: VD061517.D
Acq: 2 Apr 2019 16:34

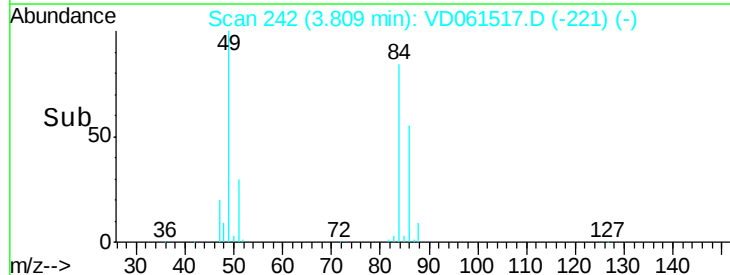
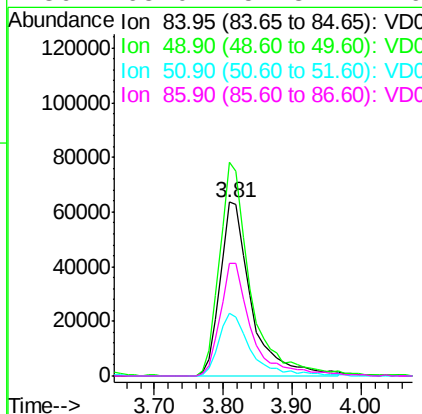
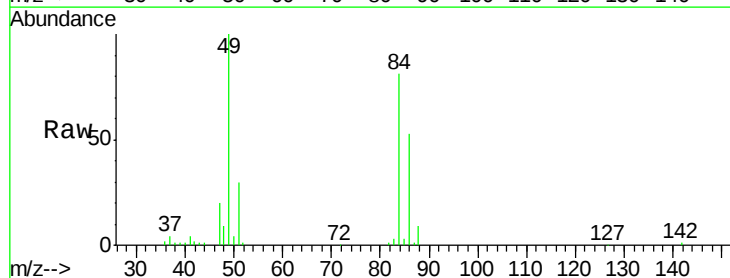
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS02

Tot Ion: 73 Resp: 296084
Ion Ratio Lower Upper
73 100
57 21.9 16.4 24.6



#20
Methylene Chloride
Concen: 22.423 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD061517.D
Acq: 2 Apr 2019 16:34

Tgt Ion: 84 Resp: 199959
Ion Ratio Lower Upper
84 100
49 122.8 91.8 137.8
51 36.4 29.8 44.8
86 65.0 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 22.836 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.02 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBS02

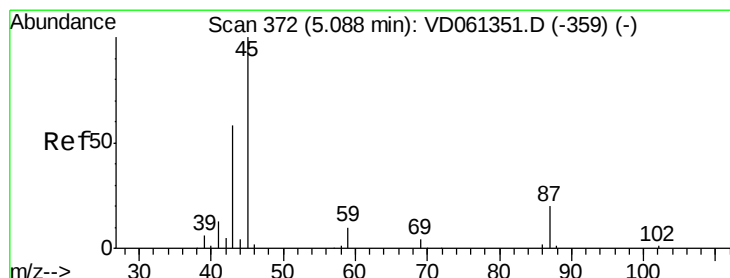
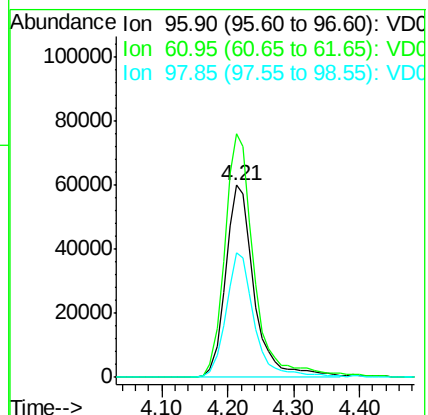
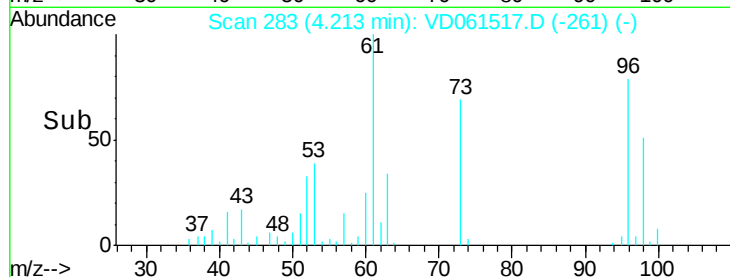
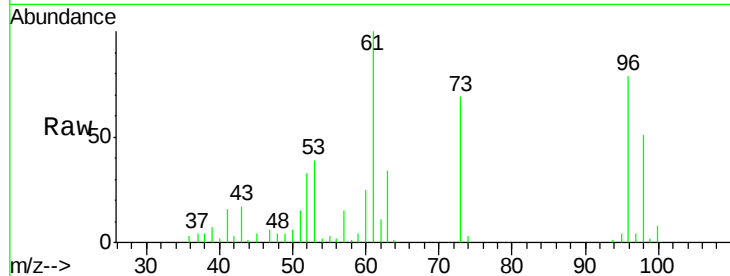
Tot Ion: 96 Resp: 183184

Ion Ratio Lower Upper

96 100

61 126.6 102.7 154.1

98 64.9 52.2 78.4



#22

Diisopropyl ether

Concen: 22.516 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.03 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

Tgt Ion: 45 Resp: 493773

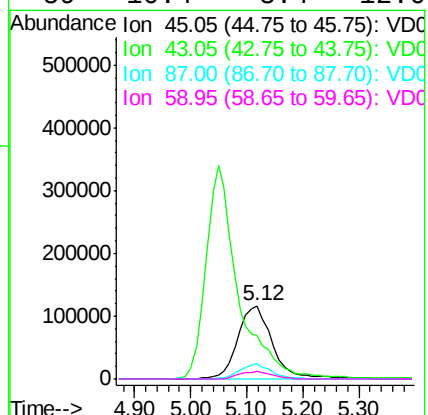
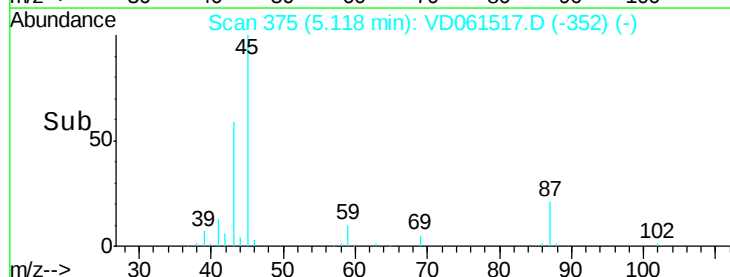
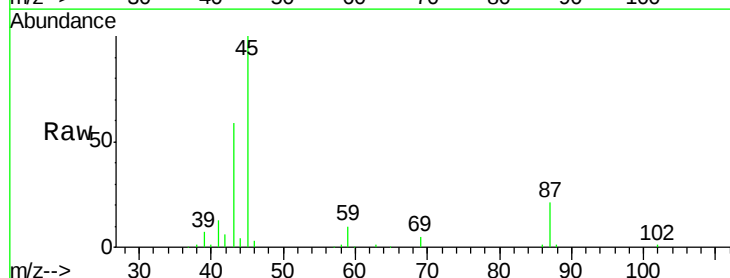
Ion Ratio Lower Upper

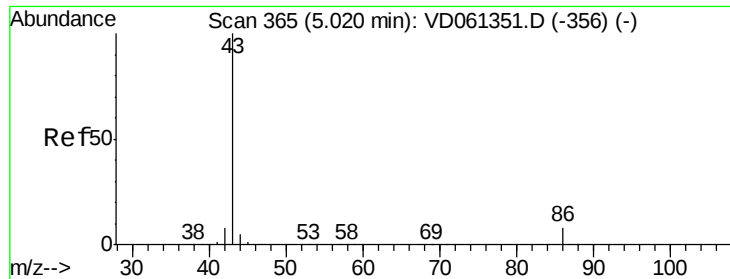
45 100

43 59.3 47.4 71.2

87 20.8 16.3 24.5

59 10.4 8.4 12.6

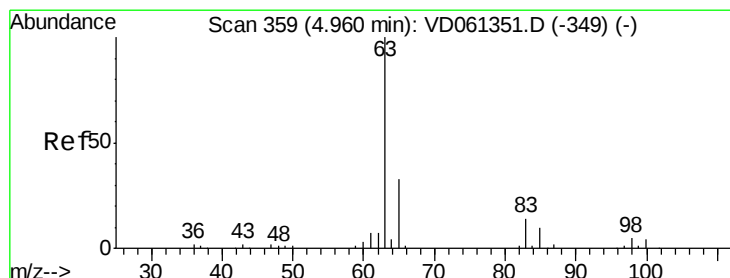
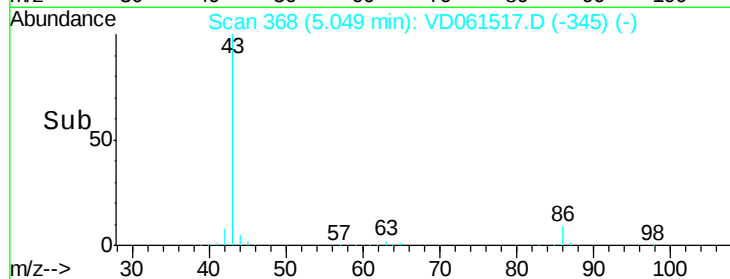
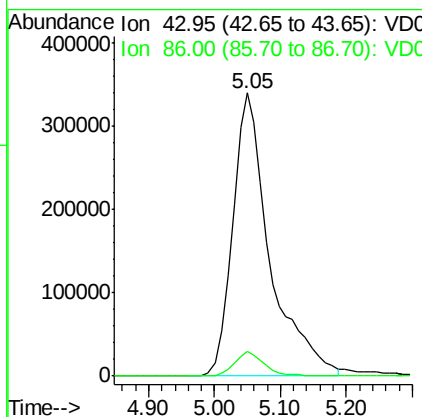
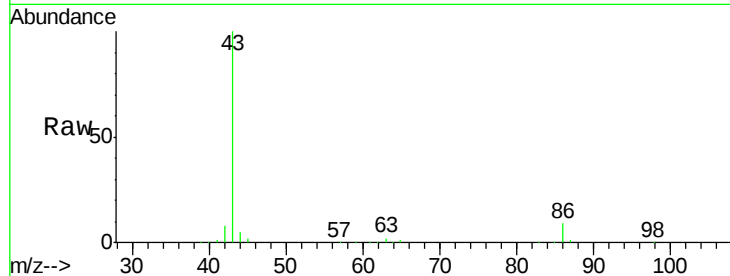




#23
 Vinyl Acetate
 Concen: 112.522 ug/l
 RT: 5.05 min Scan# 368
 Delta R.T. 0.03 min
 Lab File: VD061517.D
 Acq: 2 Apr 2019 16:34

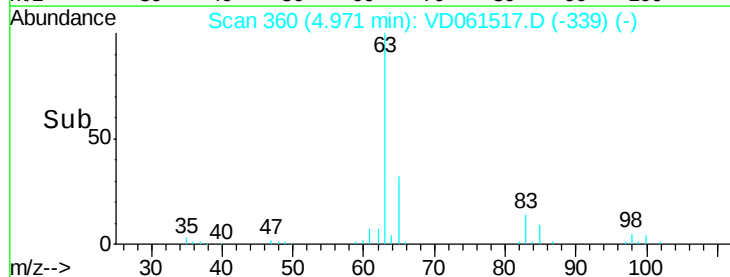
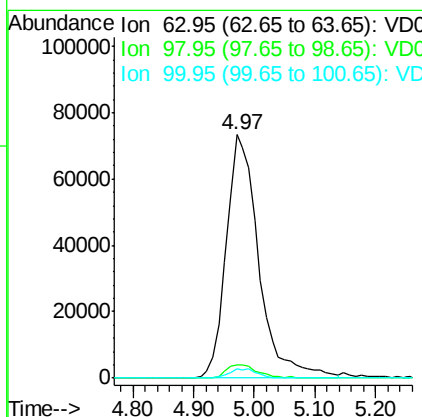
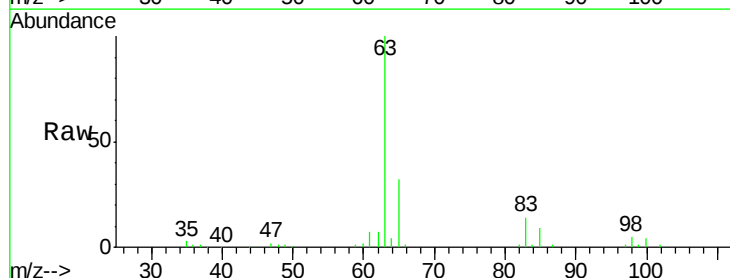
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS02

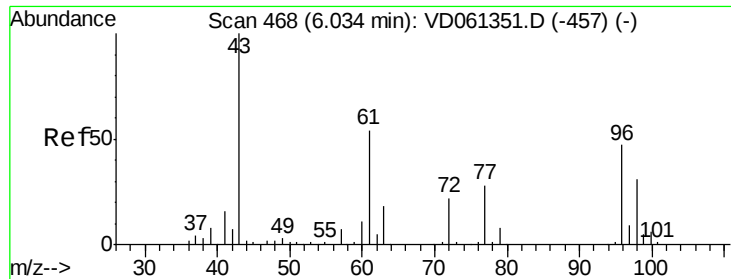
Tot Ion: 43 Resp: 1340409
 Ion Ratio Lower Upper
 43 100
 86 8.7 6.7 10.1



#24
 1,1-Dichloroethane
 Concen: 21.205 ug/l
 RT: 4.97 min Scan# 360
 Delta R.T. 0.01 min
 Lab File: VD061517.D
 Acq: 2 Apr 2019 16:34

Tgt Ion: 63 Resp: 273295
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.6 8.0
 100 3.6 1.8 5.3





#25

2-Butanone

Concen: 108.647 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.03 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

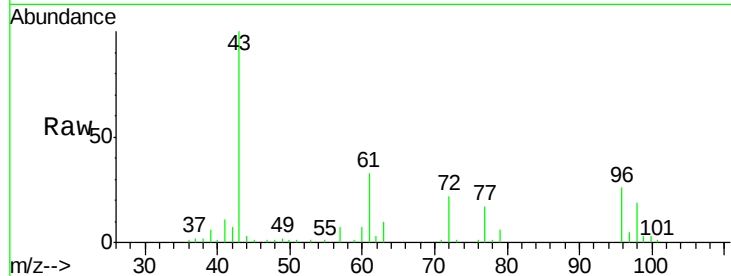
VD0402SBS02

Tot Ion: 43 Resp: 207749

Ion Ratio Lower Upper

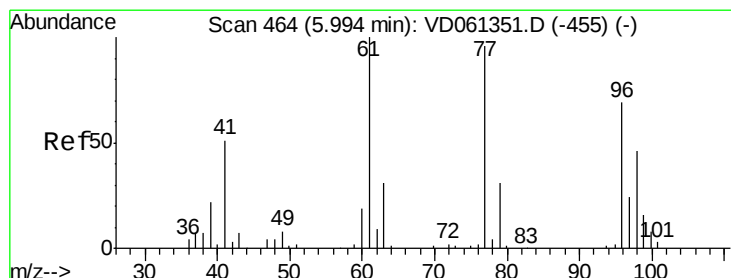
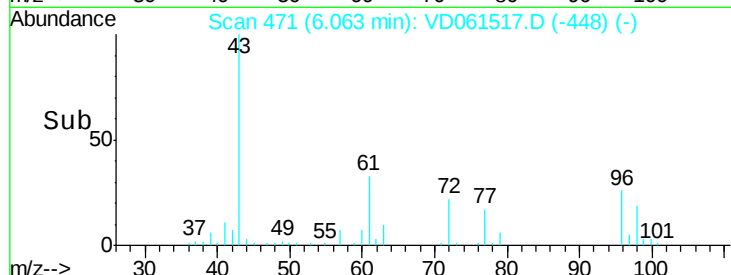
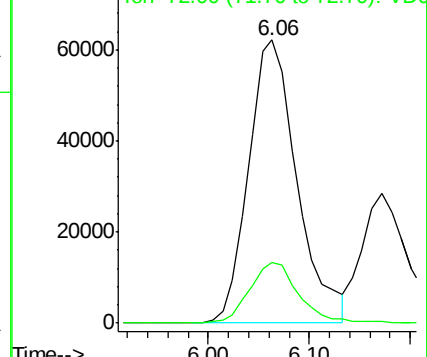
43 100

72 21.6 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: 22.006 ug/l

RT: 6.01 min Scan# 466

Delta R.T. 0.02 min

Lab File: VD061517.D

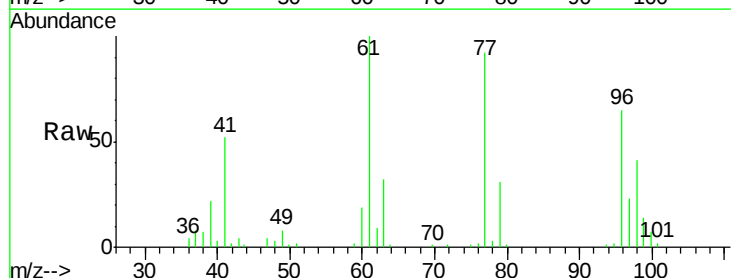
Acq: 2 Apr 2019 16:34

Tgt Ion: 77 Resp: 225463

Ion Ratio Lower Upper

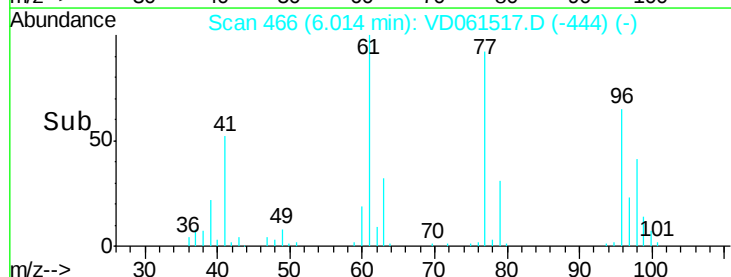
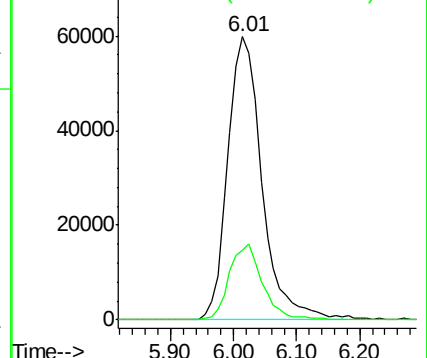
77 100

97 24.4 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



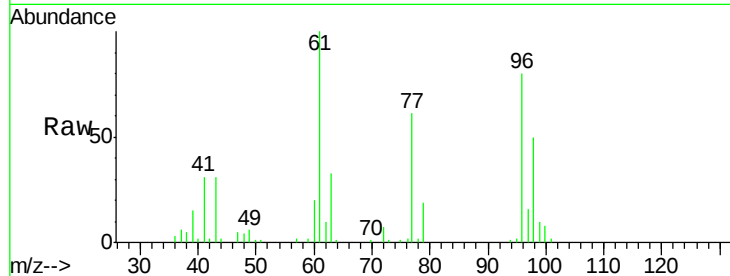


#27

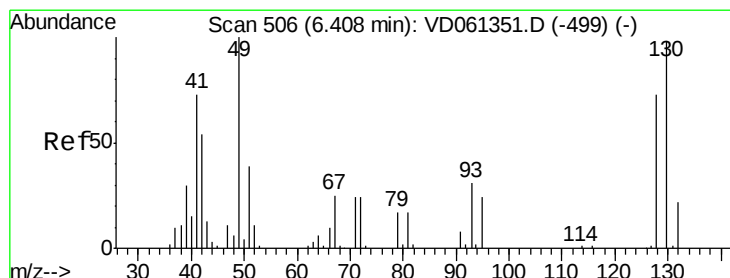
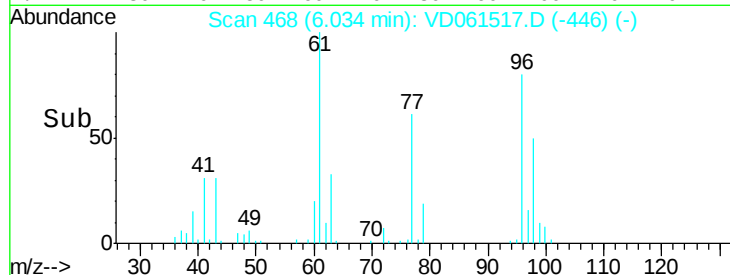
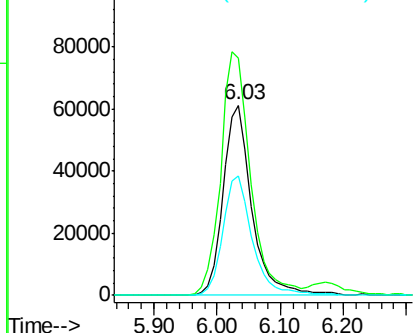
cis-1,2-Dichloroethene
Concen: 21.881 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.02 min
Lab File: VD061517.D
Acq: 2 Apr 2019 16:34

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS02

Tot Ion: 96 Resp: 192311
Ion Ratio Lower Upper
96 100
61 124.6 0.0 251.6
98 62.8 0.0 129.2



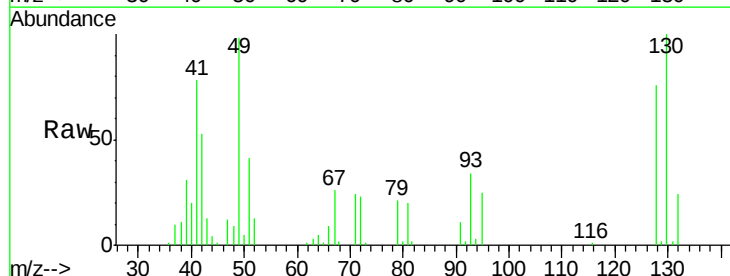
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



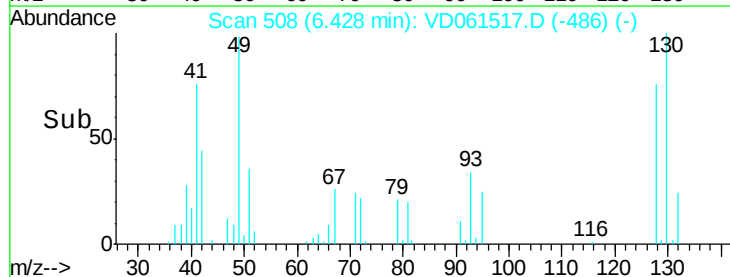
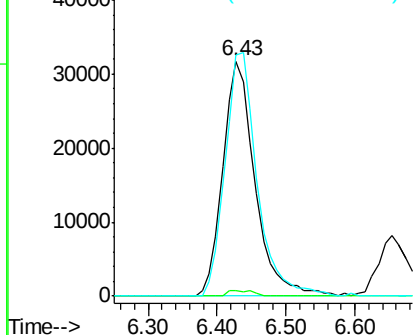
#28

Bromochloromethane
Concen: 19.776 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.02 min
Lab File: VD061517.D
Acq: 2 Apr 2019 16:34

Tgt Ion: 49 Resp: 102883
Ion Ratio Lower Upper
49 100
129 2.2 0.0 0.0#
130 102.5 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

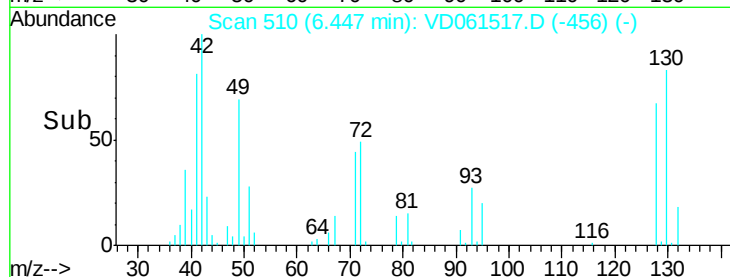
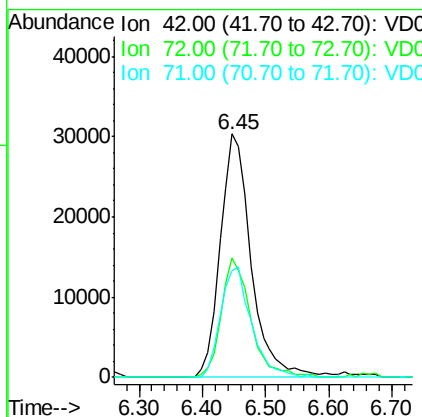
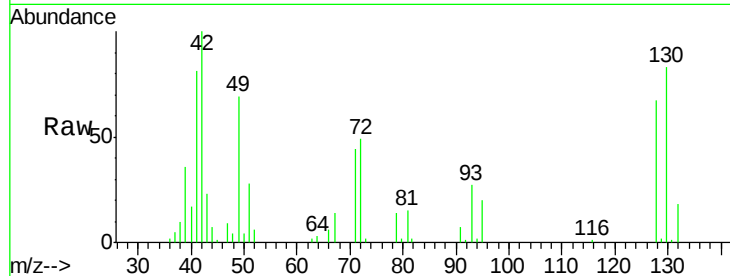




#29
Tetrahydrofuran
Concen: 111.350 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.03 min
Lab File: VD061517.D
Acq: 2 Apr 2019 16:34

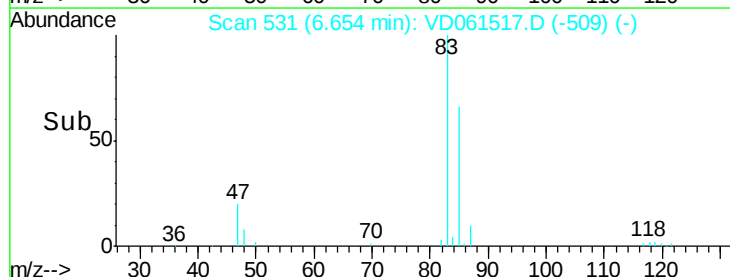
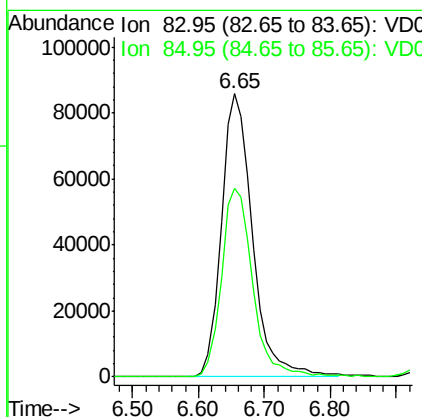
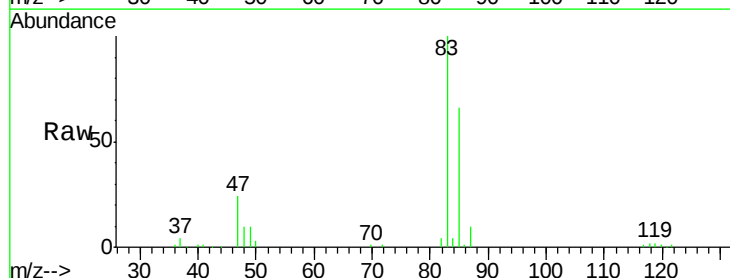
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS02

Tot Ion: 42 Resp: 103200
Ion Ratio Lower Upper
42 100
72 46.9 37.4 56.0
71 44.9 36.7 55.1



#30
Chloroform
Concen: 21.263 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.02 min
Lab File: VD061517.D
Acq: 2 Apr 2019 16:34

Tgt Ion: 83 Resp: 283155
Ion Ratio Lower Upper
83 100
85 66.4 53.0 79.4





#31

Cvclohexane

Concen: 20.950 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.02 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBS02

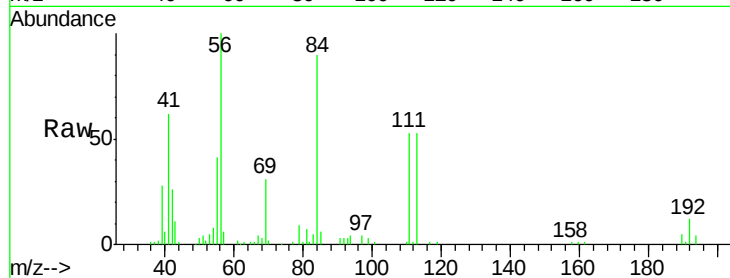
Tot Ion: 56 Resp: 213375

Ion Ratio Lower Upper

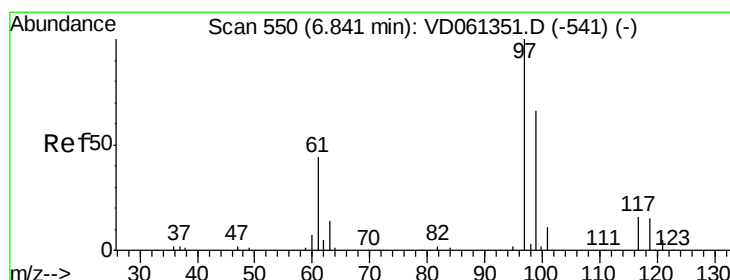
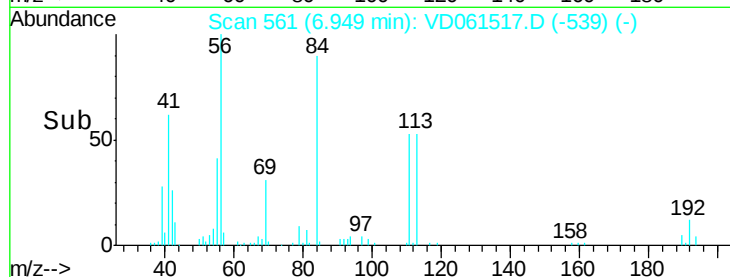
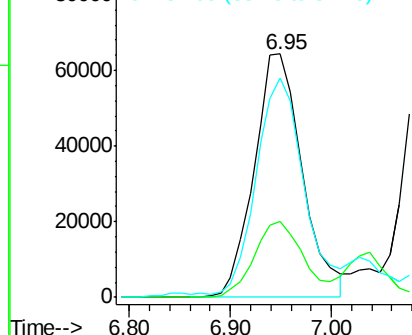
56 100

69 31.2 25.7 38.5

84 89.8 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: 21.733 ug/l

RT: 6.86 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

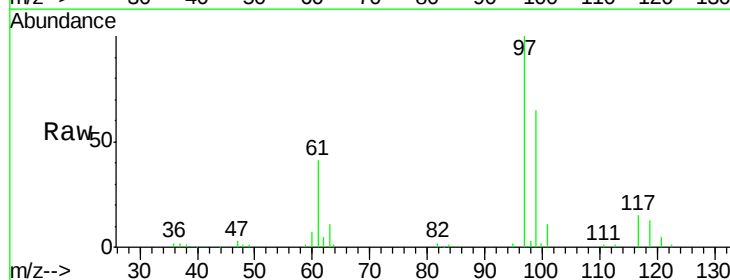
Tgt Ion: 97 Resp: 255331

Ion Ratio Lower Upper

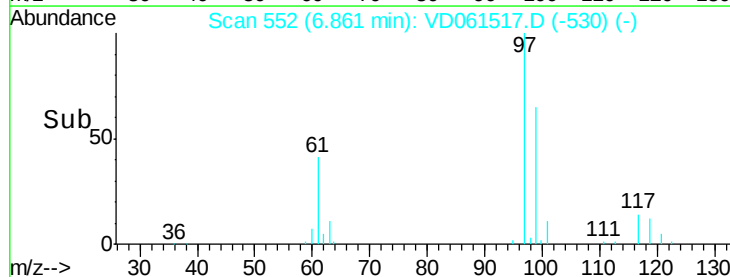
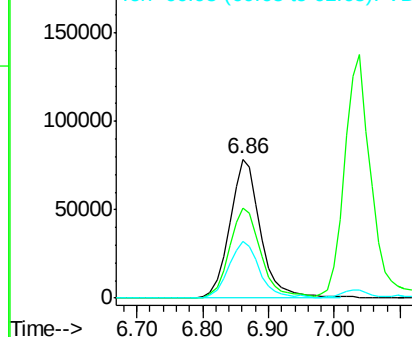
97 100

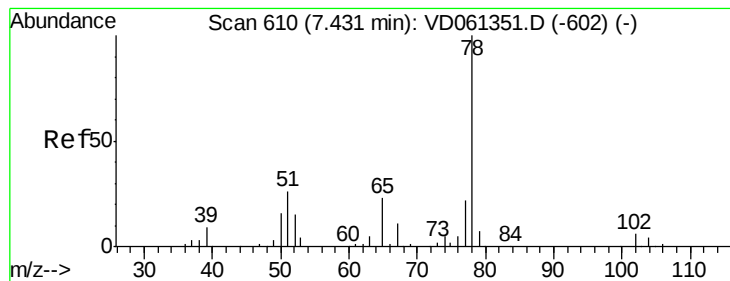
99 64.8 53.1 79.7

61 40.9 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: 21.733 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.01 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

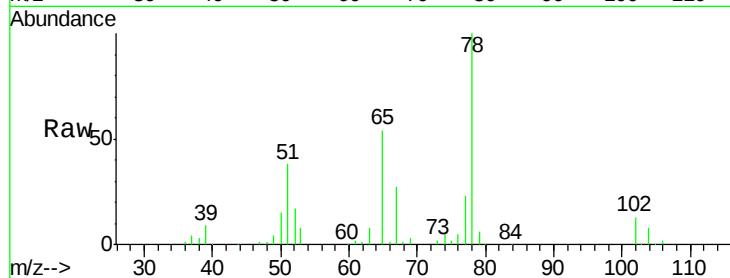
VD0402SBS02

Tot Ion: 65 Resp: 284612

Ion Ratio Lower Upper

65 100

67 49.8 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.44

120000

100000

80000

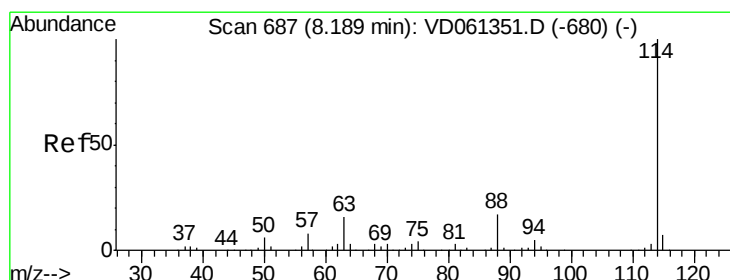
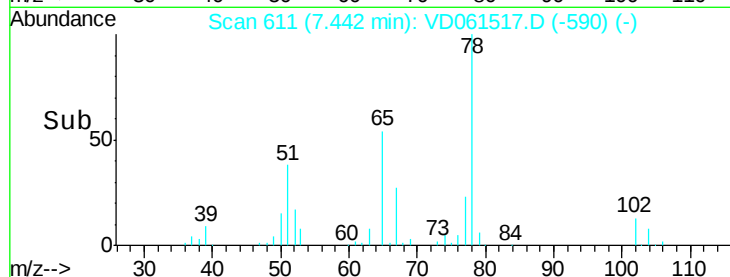
60000

40000

20000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.02 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

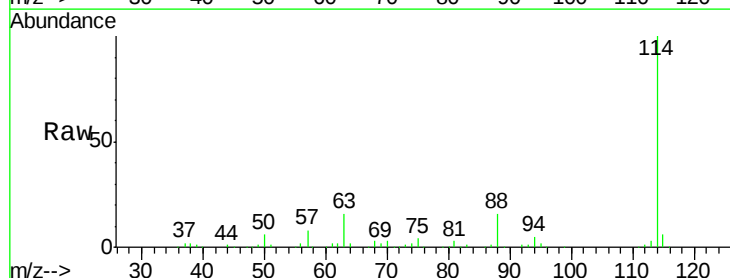
Tgt Ion: 114 Resp: 1184432

Ion Ratio Lower Upper

114 100

63 15.9 0.0 31.6

88 16.1 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

8.21

600000

500000

400000

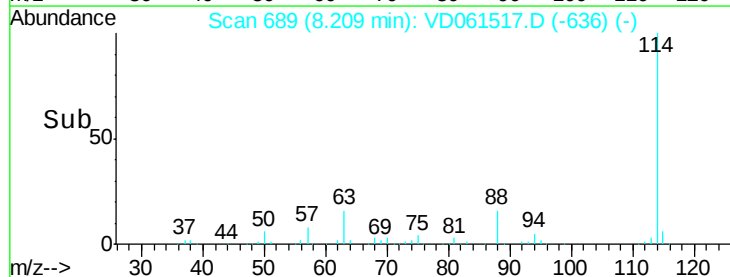
300000

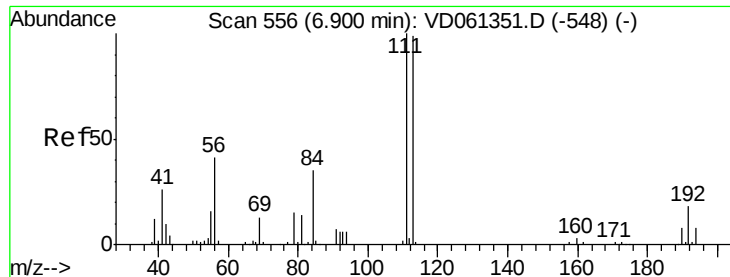
200000

100000

0

Time--> 8.00 8.20 8.40

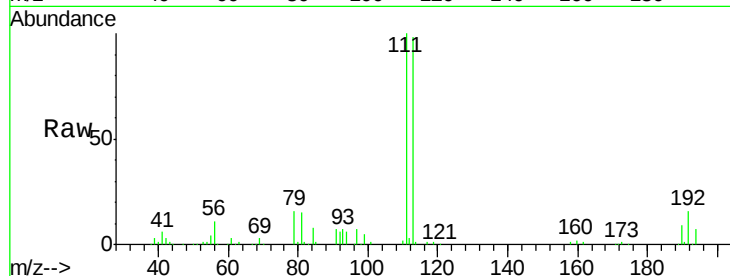




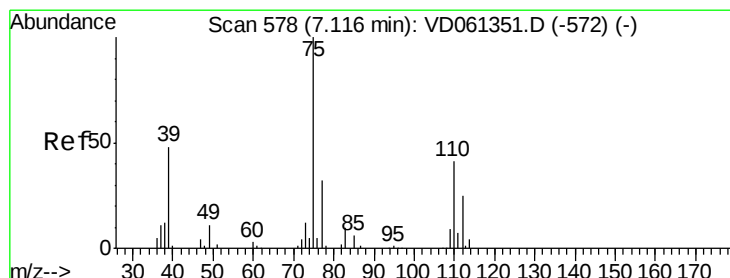
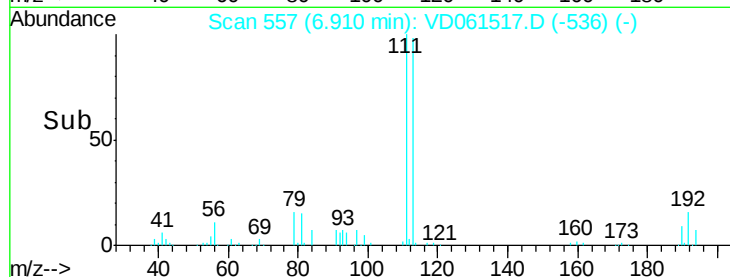
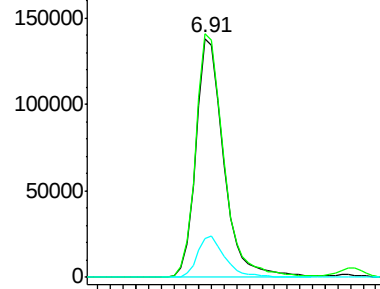
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.91 min Scan# 557
Delta R.T. 0.01 min
Lab File: VD061517.D
Acq: 2 Apr 2019 16:34

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS02

Tot Ion:113 Resp: 423731
Ion Ratio Lower Upper
113 100
111 101.9 81.0 121.6
192 16.1 14.4 21.6

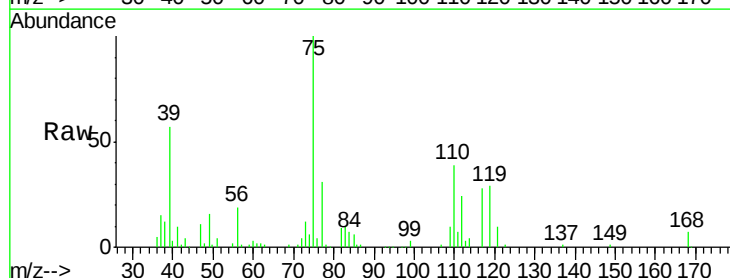


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

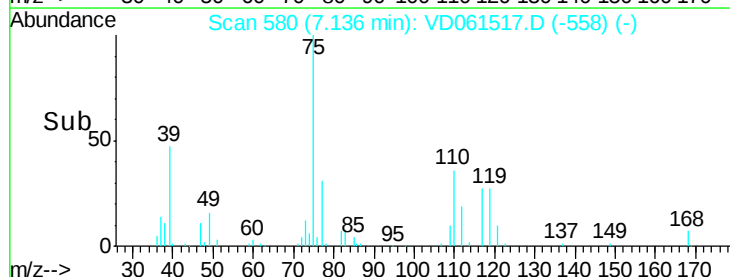
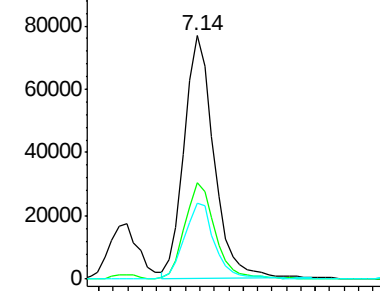


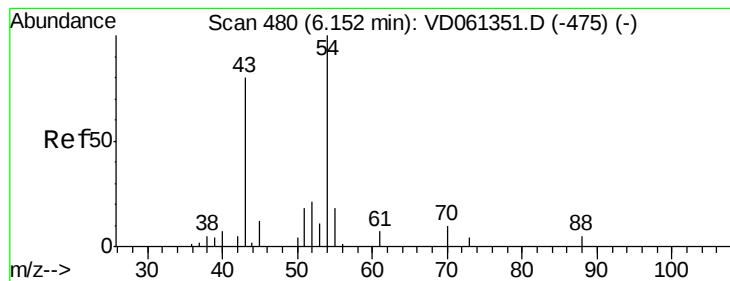
#36
1,1-Dichloropropene
Concen: 21.247 ug/l
RT: 7.14 min Scan# 580
Delta R.T. 0.02 min
Lab File: VD061517.D
Acq: 2 Apr 2019 16:34

Tgt Ion: 75 Resp: 219636
Ion Ratio Lower Upper
75 100
110 39.4 20.4 61.3
77 30.9 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: 20.836 ug/l

RT: 6.17 min Scan# 482

Delta R.T. 0.02 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBS02

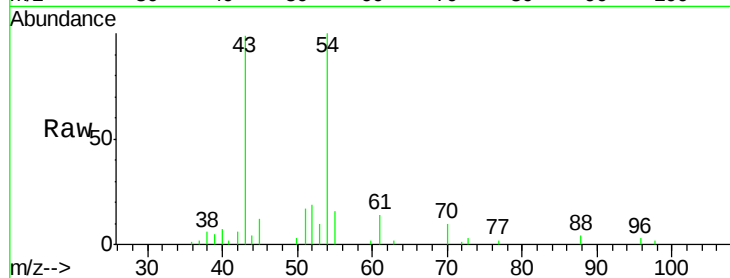
Tot Ion: 43 Resp: 92119

Ion Ratio Lower Upper

43 100

61 14.5 13.8 20.8

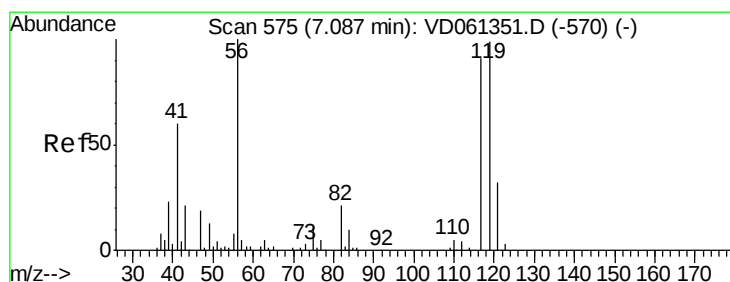
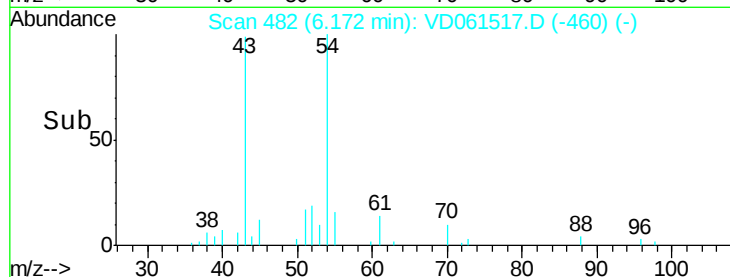
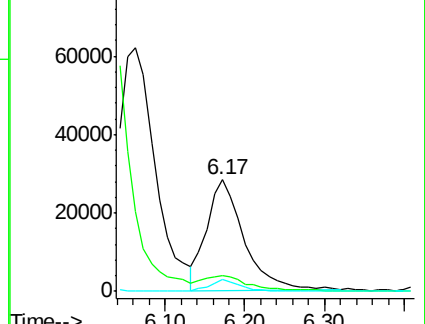
70 10.2 7.8 11.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 20.482 ug/l

RT: 7.11 min Scan# 577

Delta R.T. 0.02 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

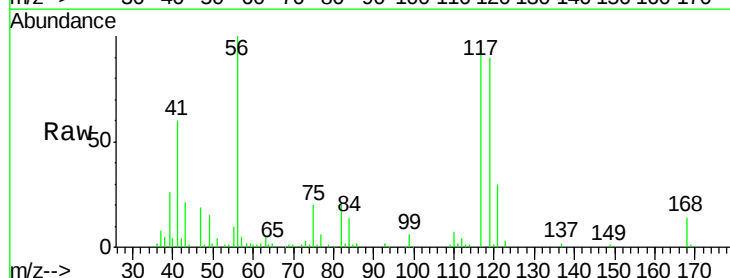
Tgt Ion: 117 Resp: 243294

Ion Ratio Lower Upper

117 100

119 92.2 80.1 120.1

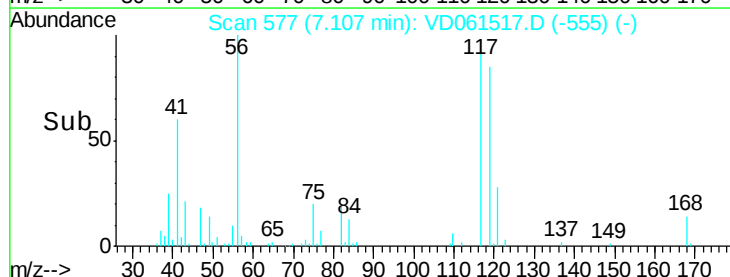
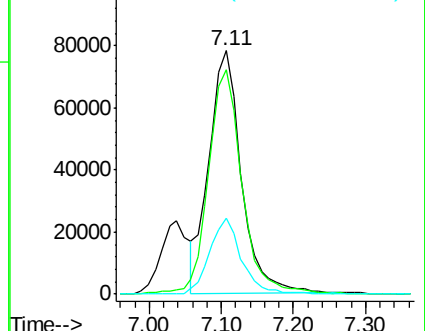
121 31.0 25.6 38.4

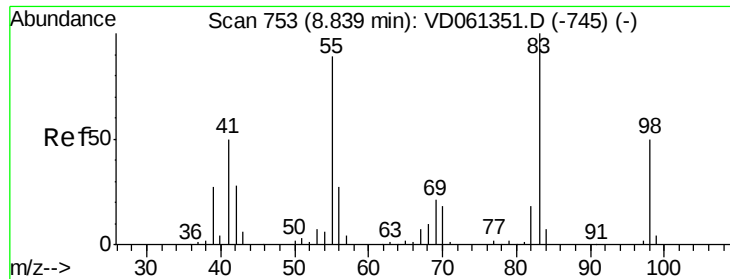


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

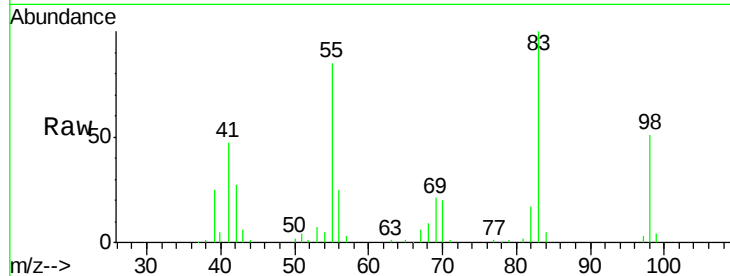




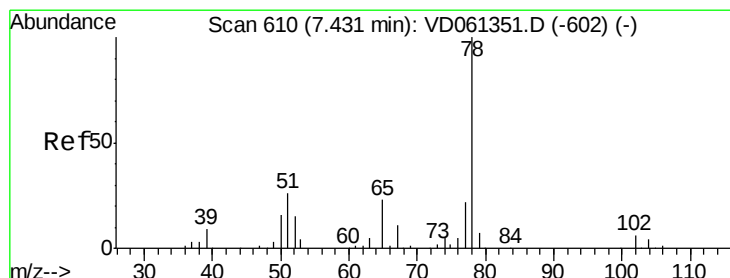
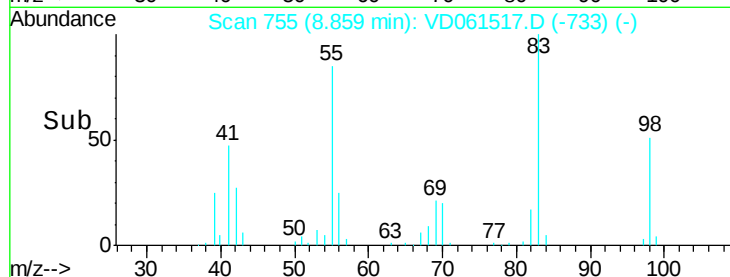
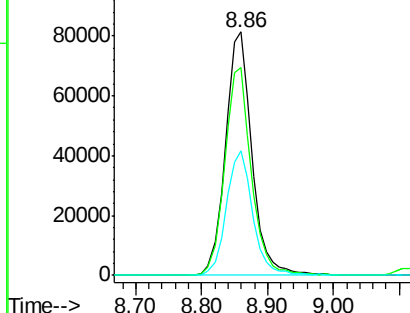
#39
Methvlcvclohexane
Concen: 21.220 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.02 min
Lab File: VD061517.D
Acq: 2 Apr 2019 16:34

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS02

Tot Ion: 83 Resp: 228460
Ion Ratio Lower Upper
83 100
55 85.4 71.5 107.3
98 51.1 40.3 60.5

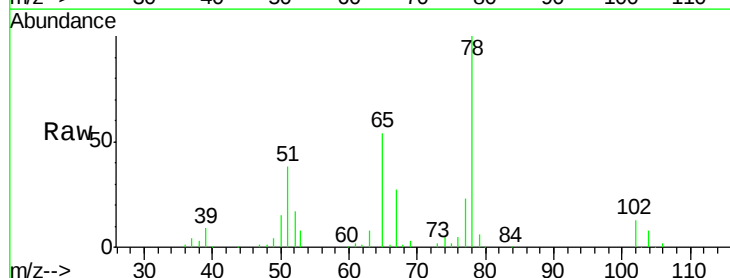


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

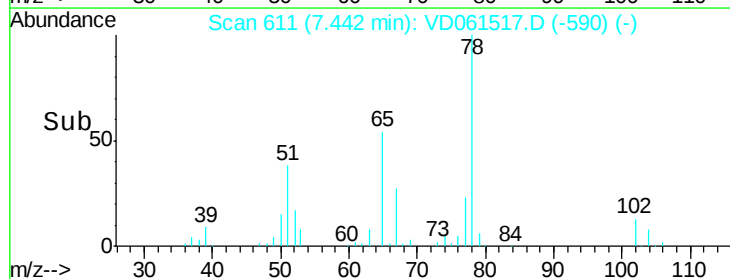
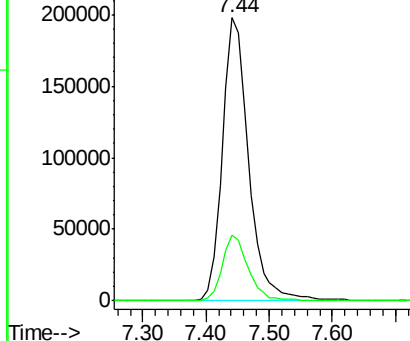


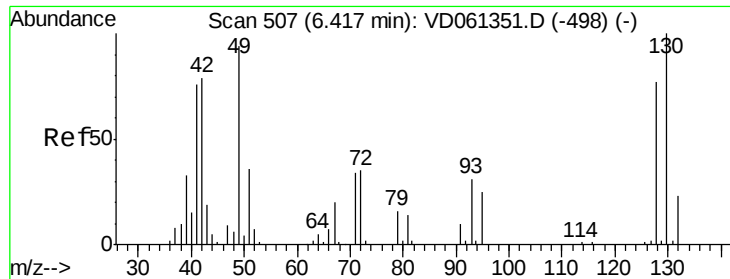
#40
Benzene
Concen: 22.048 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.01 min
Lab File: VD061517.D
Acq: 2 Apr 2019 16:34

Tgt Ion: 78 Resp: 572018
Ion Ratio Lower Upper
78 100
77 23.2 17.8 26.6



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

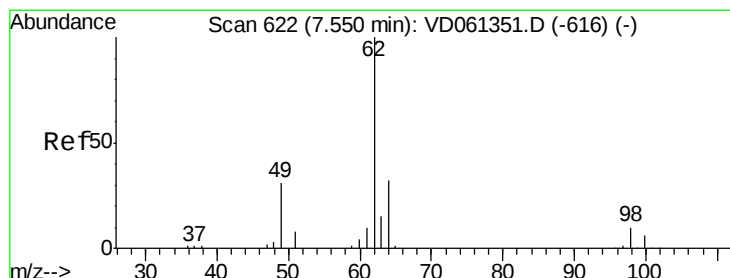
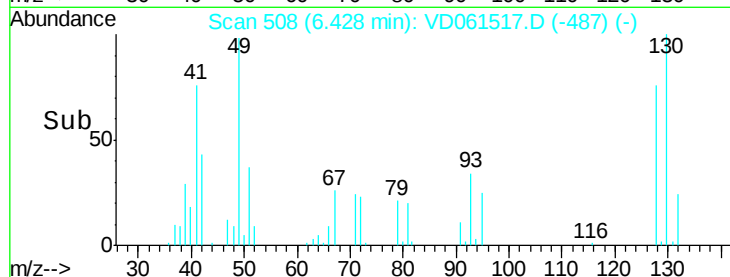
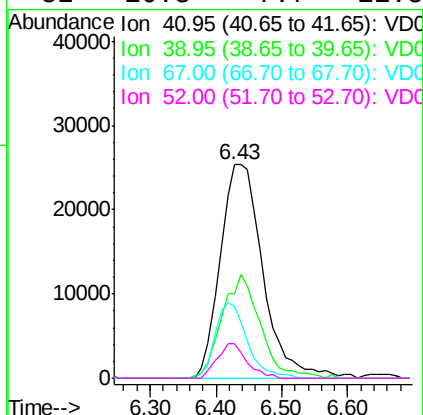
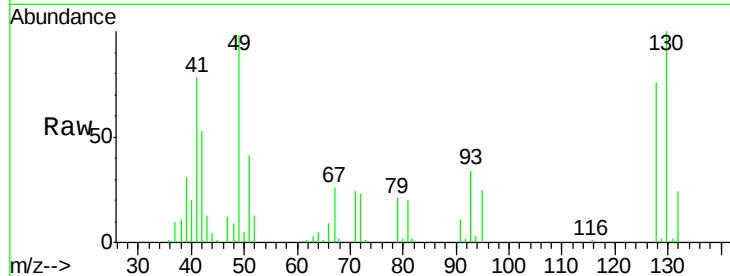




#41
Methacrylonitrile
Concen: 22.158 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD061517.D
Acq: 2 Apr 2019 16:34

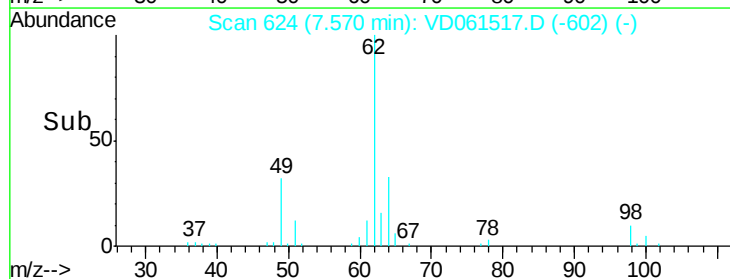
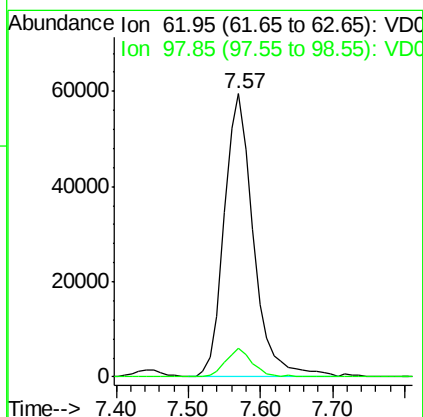
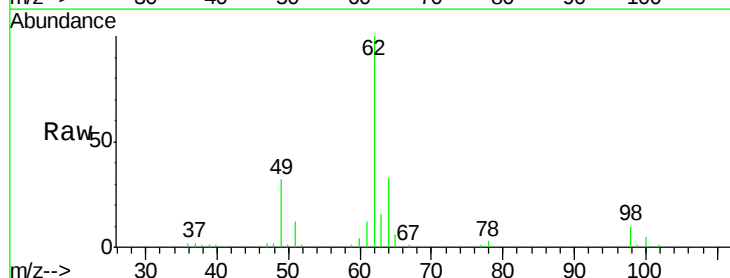
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS02

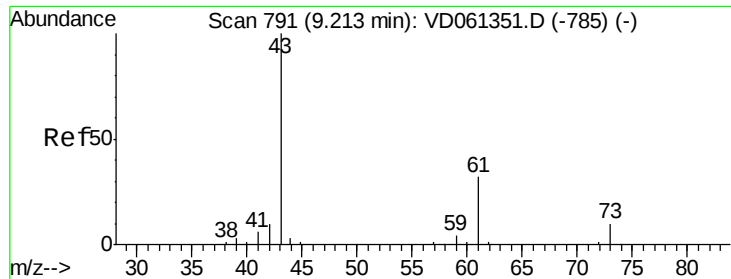
Tot Ion: 41 Resp: 114540
Ion Ratio Lower Upper
41 100
39 39.6 35.0 52.6
67 33.3 21.0 31.6#
52 16.3 7.7 11.5#



#42
1,2-Dichloroethane
Concen: 21.533 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.02 min
Lab File: VD061517.D
Acq: 2 Apr 2019 16:34

Tgt Ion: 62 Resp: 167111
Ion Ratio Lower Upper
62 100
98 10.1 0.0 19.8



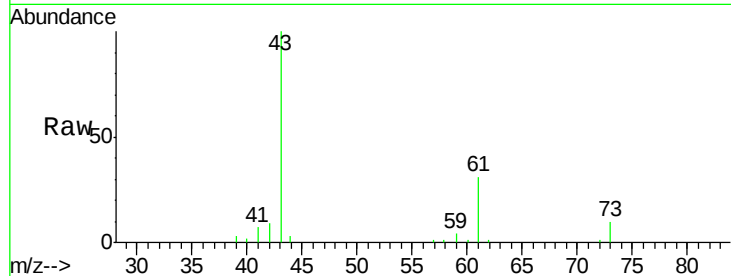


#43

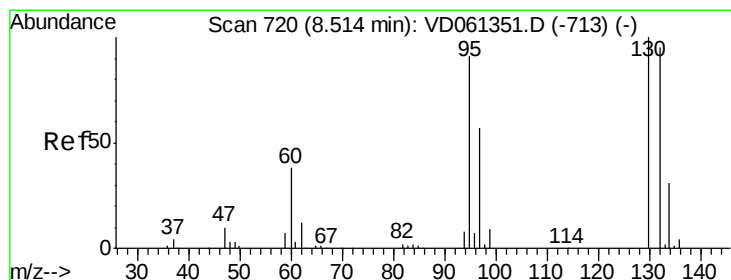
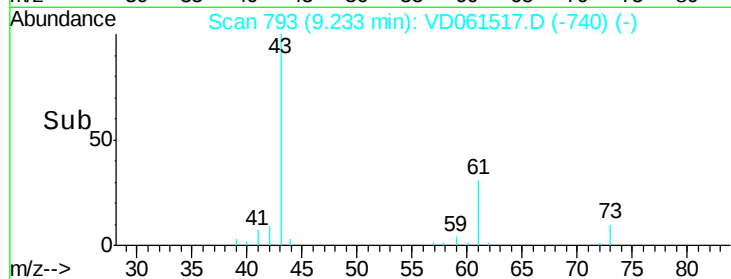
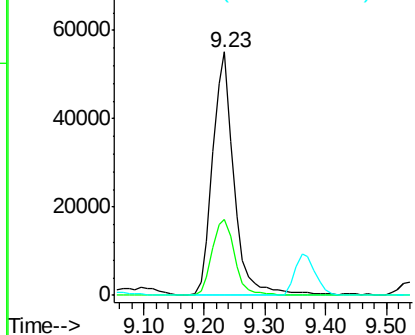
Isopropyl Acetate
 Concen: 21.112 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. 0.02 min
 Lab File: VD061517.D
 Acq: 2 Apr 2019 16:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS02

Tot Ion: 43 Resp: 135807
 Ion Ratio Lower Upper
 43 100
 61 31.1 25.8 38.6
 87 0.0 0.0 0.0



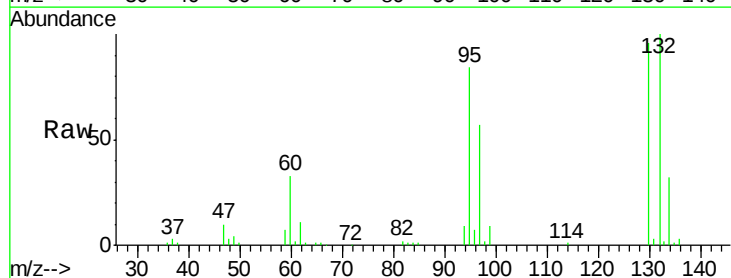
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



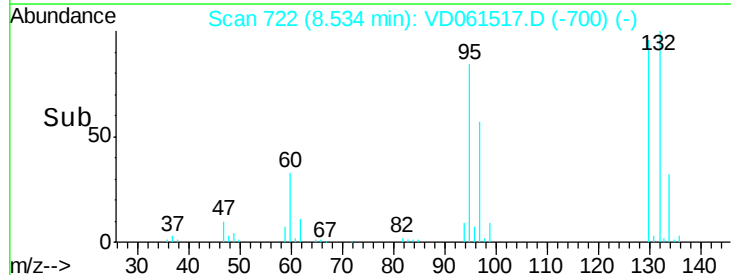
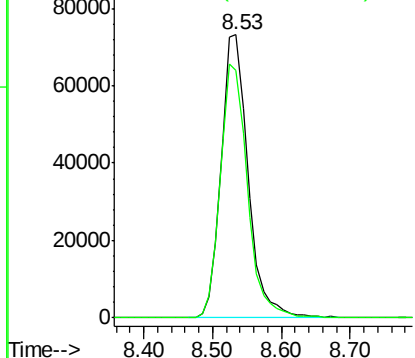
#44

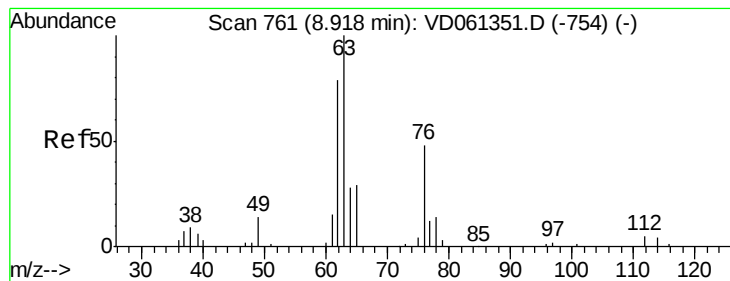
Trichloroethene
 Concen: 20.579 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. 0.02 min
 Lab File: VD061517.D
 Acq: 2 Apr 2019 16:34

Tgt Ion:130 Resp: 198695
 Ion Ratio Lower Upper
 130 100
 95 87.7 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: 20.106 ug/l

RT: 8.93 min Scan# 762

Delta R.T. 0.01 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

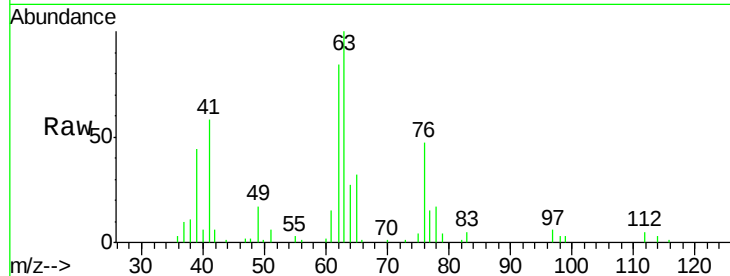
VD0402SBS02

Tot Ion: 63 Resp: 132270

Ion Ratio Lower Upper

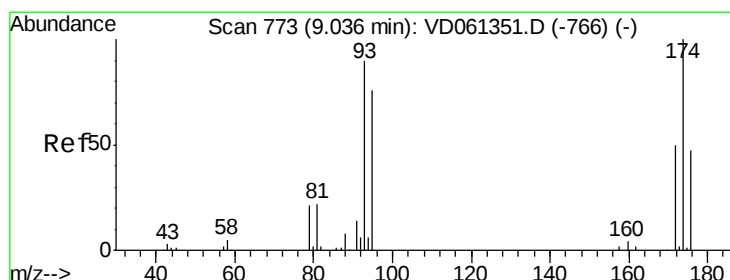
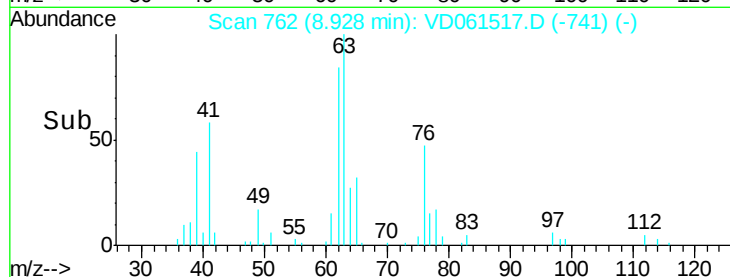
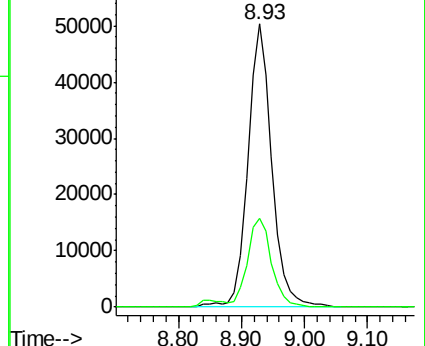
63 100

65 31.5 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: 21.646 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.02 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

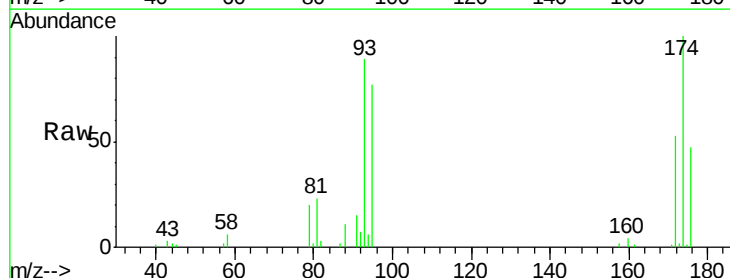
Tgt Ion: 93 Resp: 95845

Ion Ratio Lower Upper

93 100

95 87.0 67.4 101.0

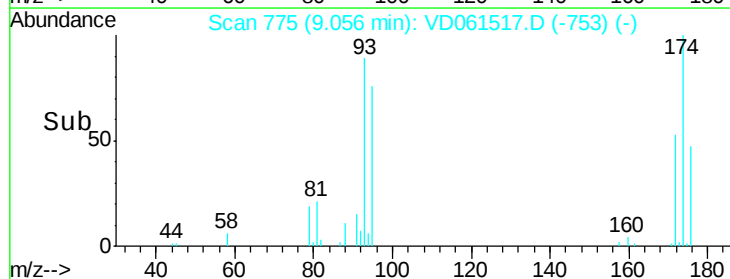
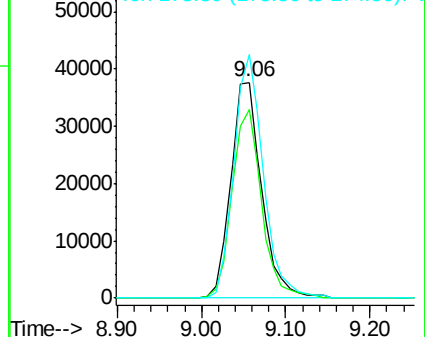
174 112.7 88.9 133.3

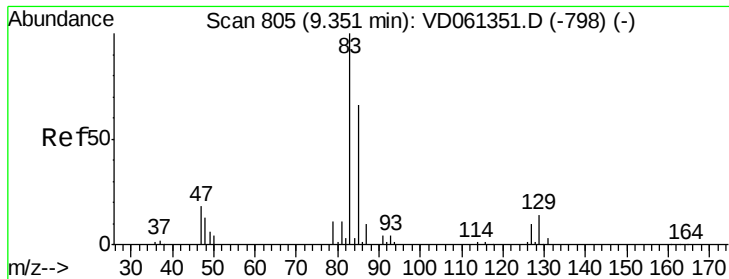


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.407 ug/l

RT: 9.36 min Scan# 806

Delta R.T. 0.01 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBS02

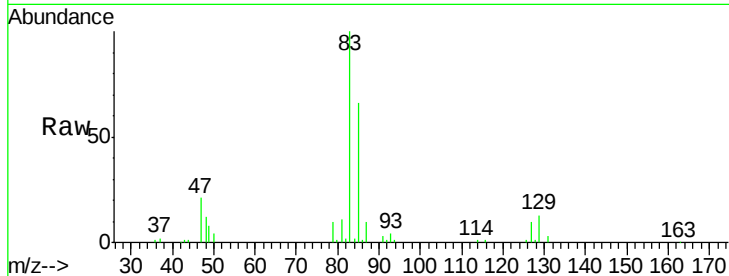
Tot Ion: 83 Resp: 222683

Ion Ratio Lower Upper

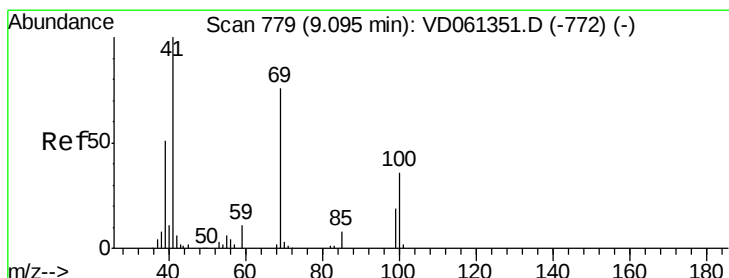
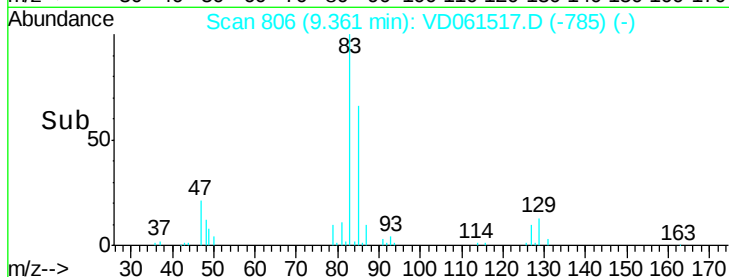
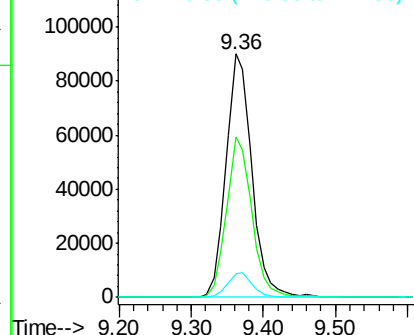
83 100

85 65.7 53.0 79.4

127 9.6 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: 22.921 ug/l

RT: 9.11 min Scan# 780

Delta R.T. 0.01 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

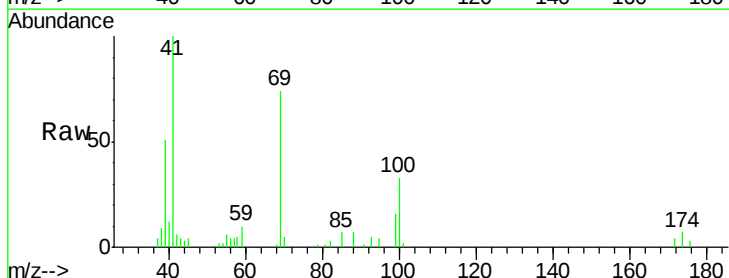
Tgt Ion: 41 Resp: 81372

Ion Ratio Lower Upper

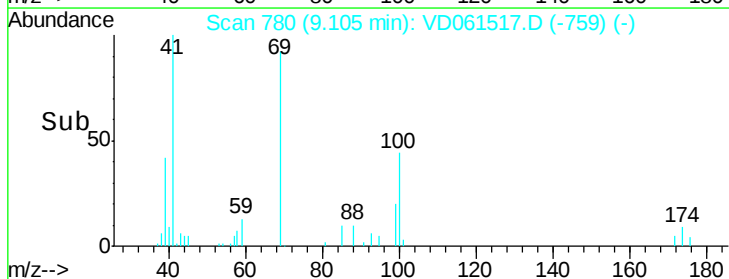
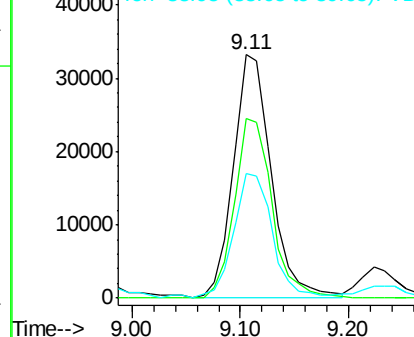
41 100

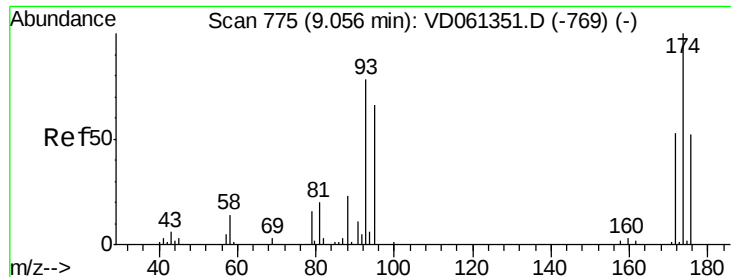
69 73.5 60.2 90.4

39 50.9 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

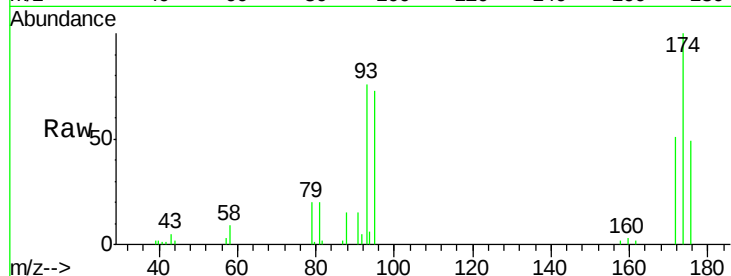




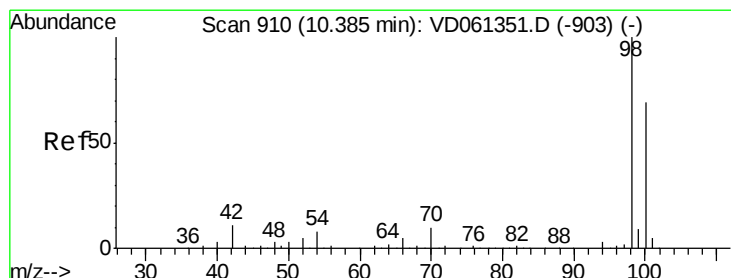
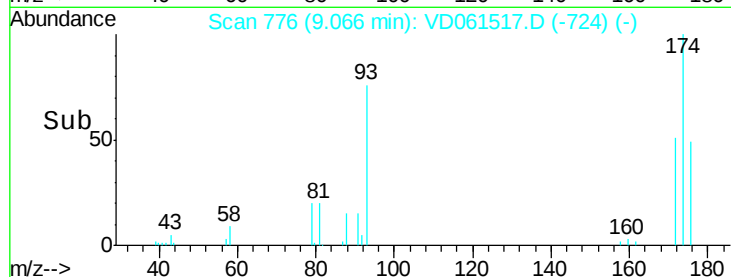
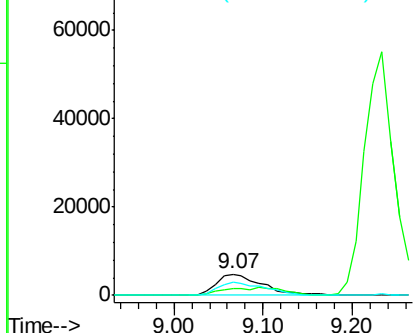
#49
1,4-Dioxane
Concen: 442.247 ug/l
RT: 9.07 min Scan# 776
Delta R.T. 0.01 min
Lab File: VD061517.D
Acq: 2 Apr 2019 16:34

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS02

Tot Ion: 88 Resp: 17317
Ion Ratio Lower Upper
88 100
43 32.7 23.3 34.9
58 62.2 50.8 76.2

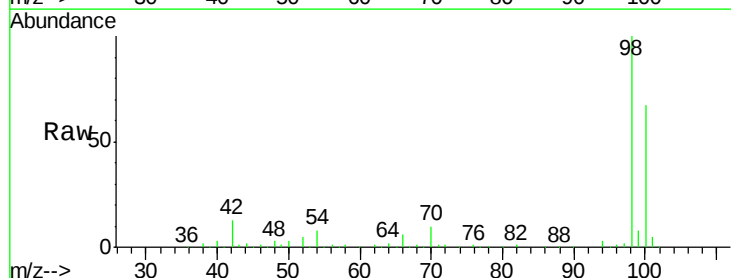


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

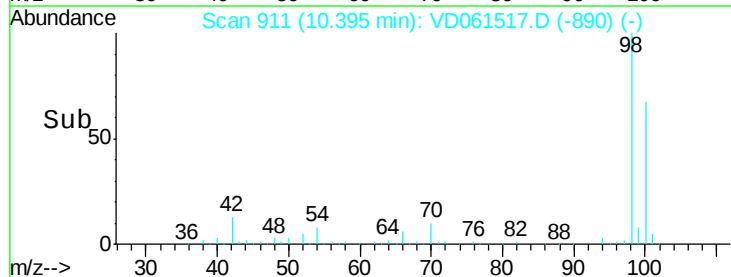
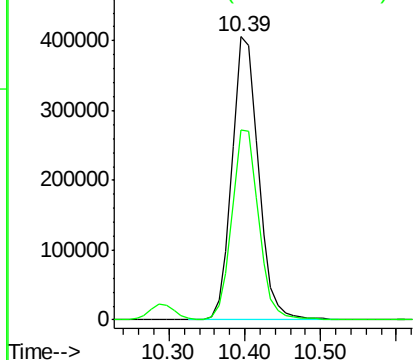


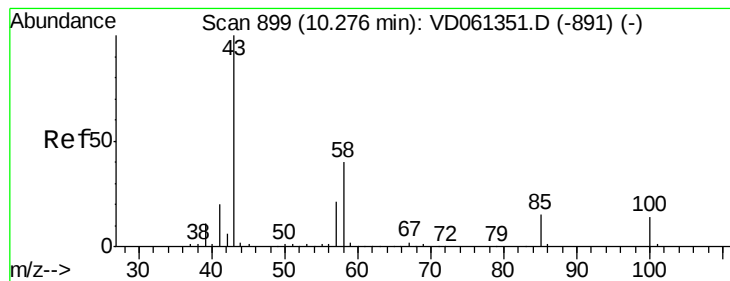
#50
Toluene-d8
Concen: 442.247 ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.01 min
Lab File: VD061517.D
Acq: 2 Apr 2019 16:34

Tgt Ion: 98 Resp: 975520
Ion Ratio Lower Upper
98 100
100 67.3 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: 108.843 ug/l

RT: 10.29 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

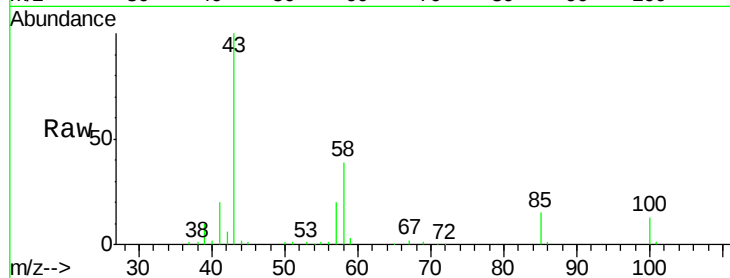
VD0402SBS02

Tot Ion: 43 Resp: 425959

Ion Ratio Lower Upper

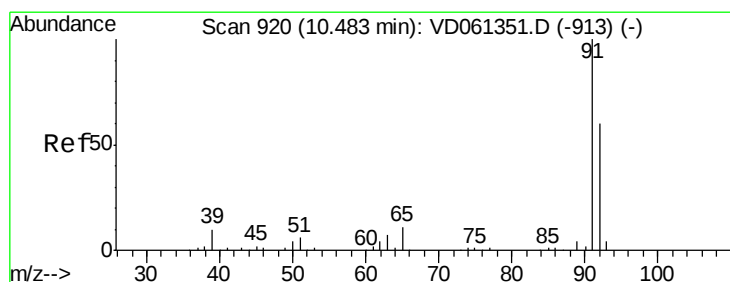
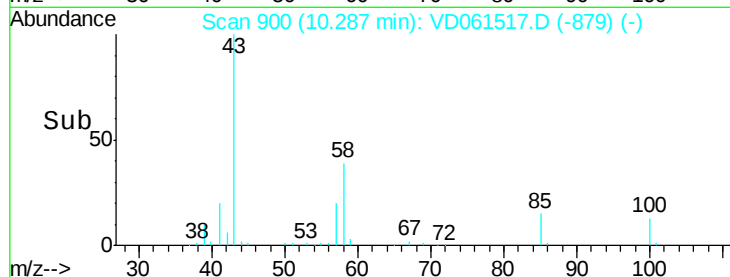
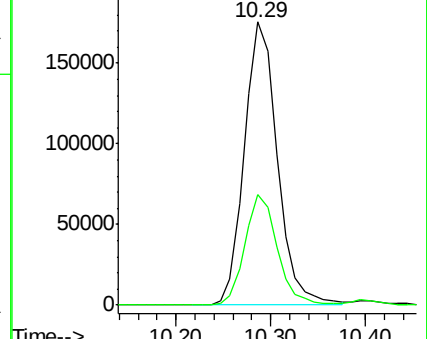
43 100

58 38.9 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: 22.997 ug/l

RT: 10.49 min Scan# 921

Delta R.T. 0.01 min

Lab File: VD061517.D

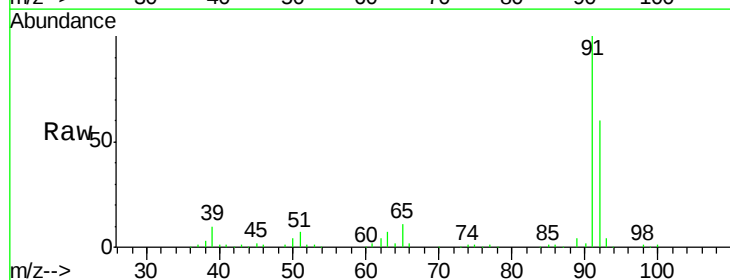
Acq: 2 Apr 2019 16:34

Tgt Ion: 92 Resp: 363993

Ion Ratio Lower Upper

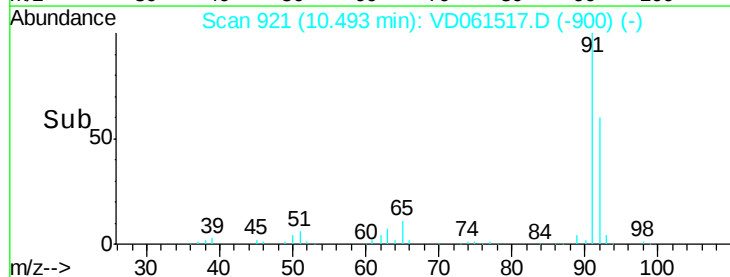
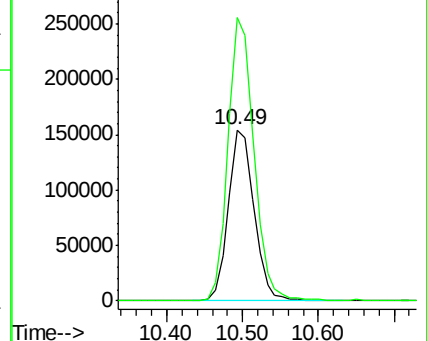
92 100

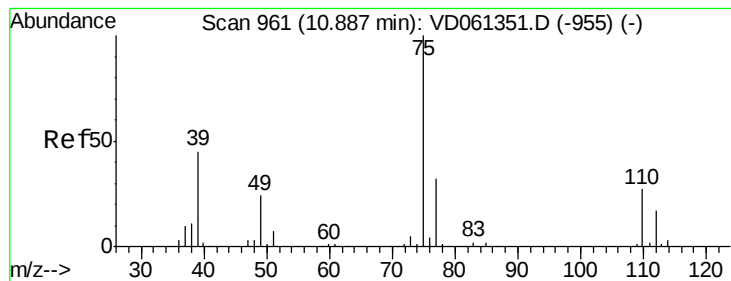
91 165.6 133.3 199.9



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: 20.743 ug/l

RT: 10.90 min Scan# 962

Delta R.T. 0.01 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

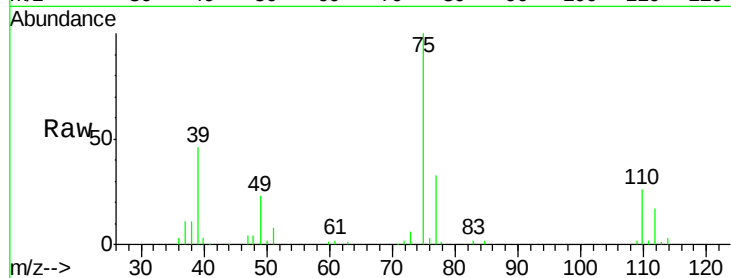
VD0402SBS02

Tot Ion: 75 Resp: 187294

Ion Ratio Lower Upper

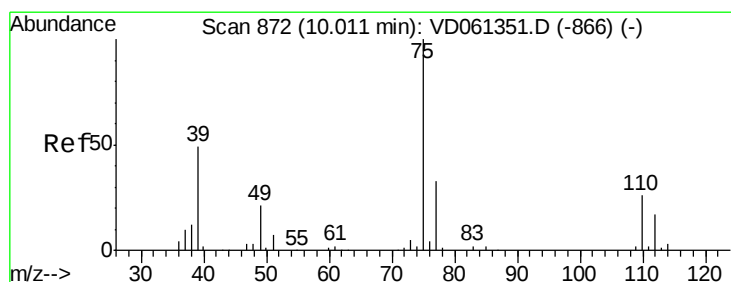
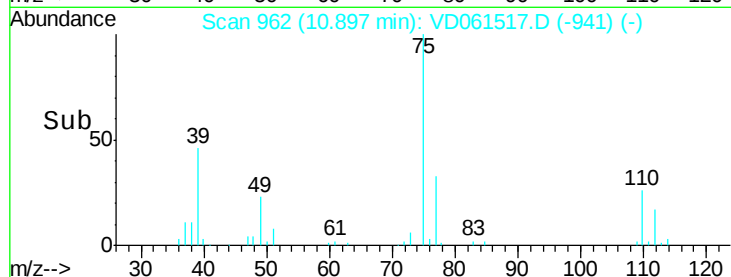
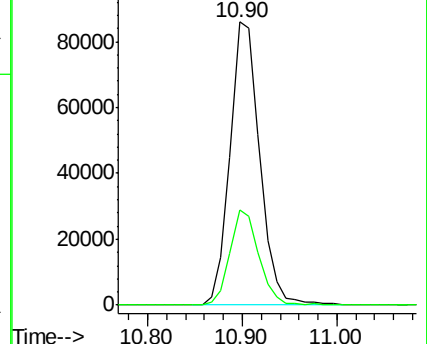
75 100

77 33.4 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.612 ug/l

RT: 10.02 min Scan# 873

Delta R.T. 0.01 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

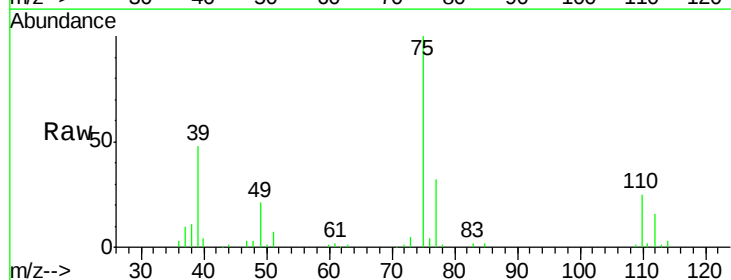
Tgt Ion: 75 Resp: 226622

Ion Ratio Lower Upper

75 100

77 32.3 26.2 39.4

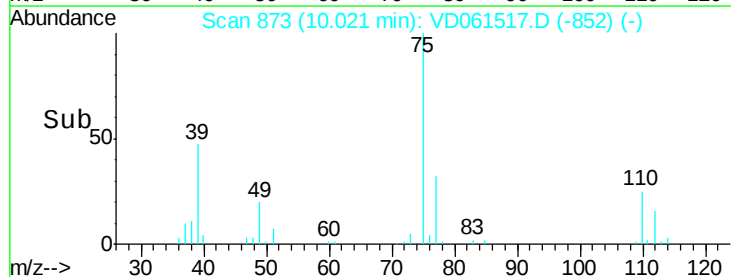
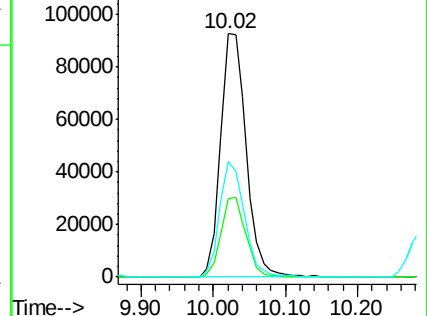
39 47.5 39.4 59.0

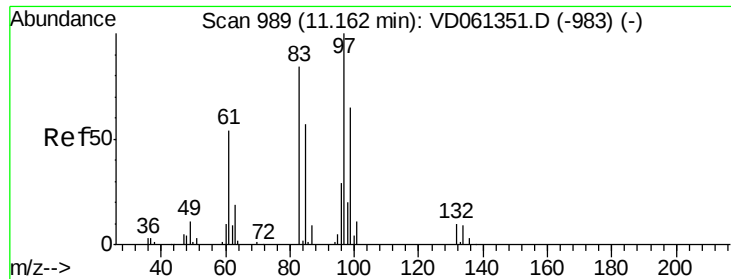


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

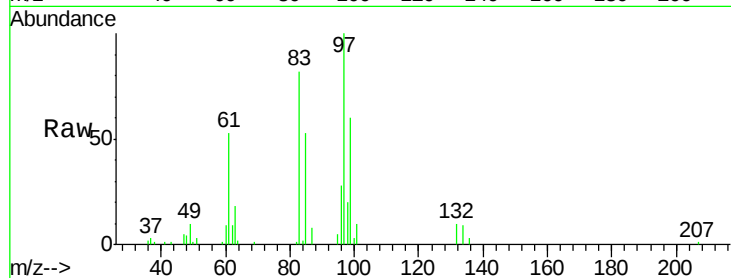




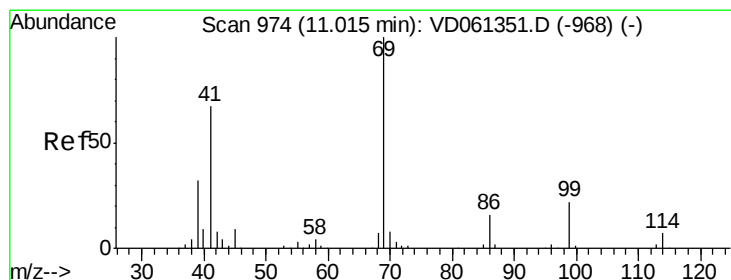
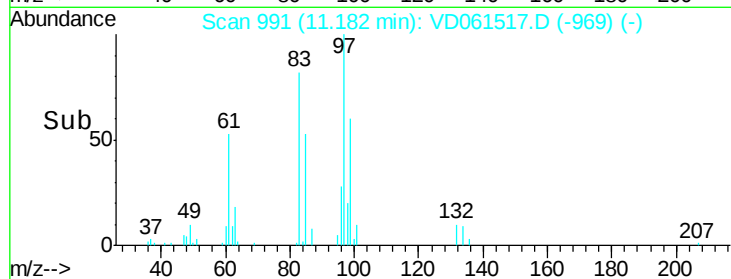
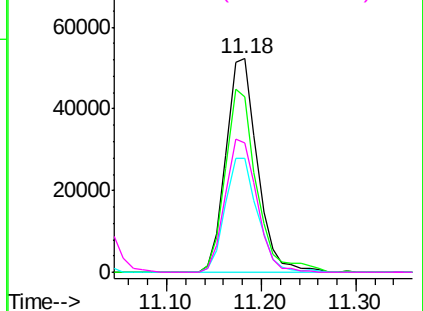
#55
 1,1,2-Trichloroethane
 Concen: 21.764 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.02 min
 Lab File: VD061517.D
 Acq: 2 Apr 2019 16:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS02

Tot Ion:	97	Resp:	120471
Ion	Ratio	Lower	Upper
97	100		
83	82.2	67.0	100.6
85	53.1	45.4	68.2
99	60.4	51.9	77.9

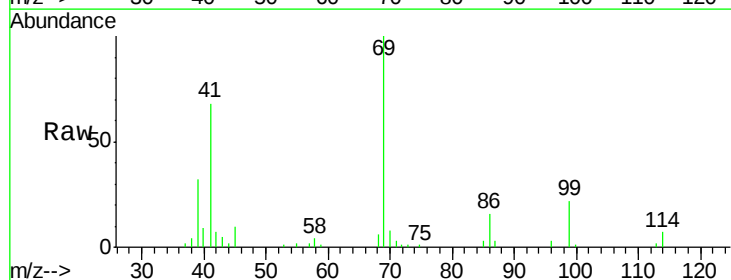


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

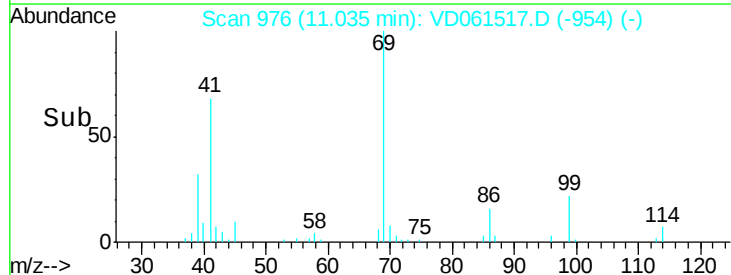
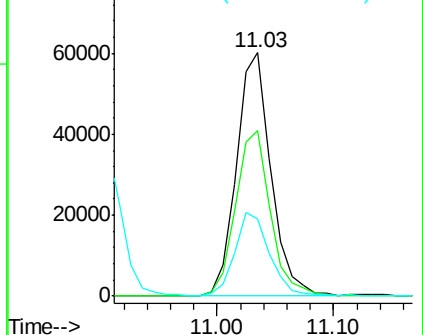


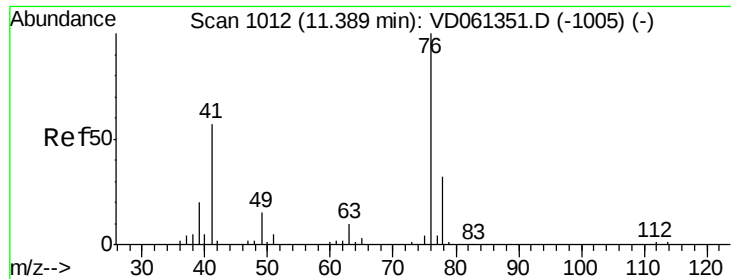
#56
 Ethyl methacrylate
 Concen: 20.700 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. 0.02 min
 Lab File: VD061517.D
 Acq: 2 Apr 2019 16:34

Tgt Ion:	69	Resp:	123092
Ion	Ratio	Lower	Upper
69	100		
41	67.9	53.8	80.6
39	31.7	26.4	39.6



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

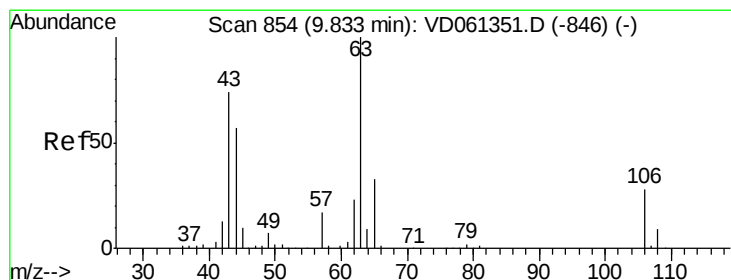
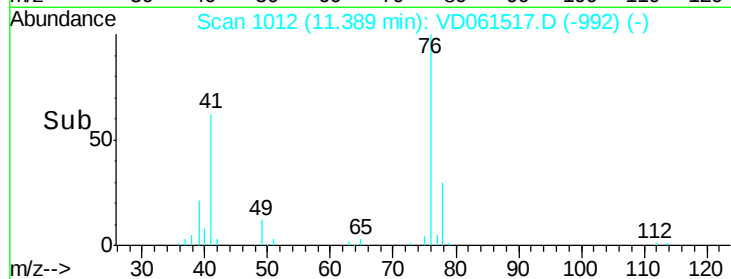
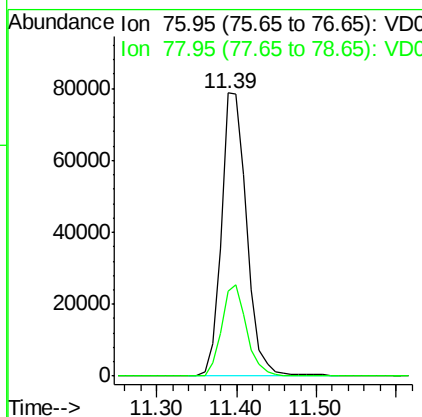
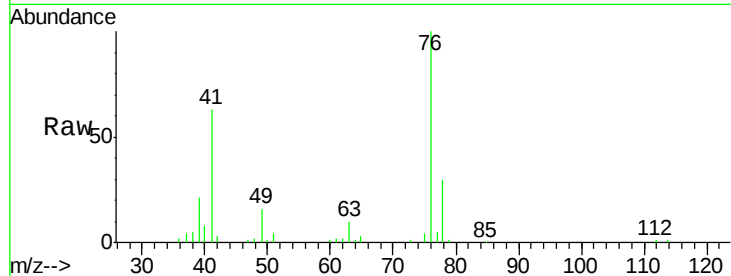




#57
 1,3-Dichloropropane
 Concen: 21.600 ug/l
 RT: 11.39 min Scan# 1012
 Delta R.T. 0.00 min
 Lab File: VD061517.D
 Acq: 2 Apr 2019 16:34

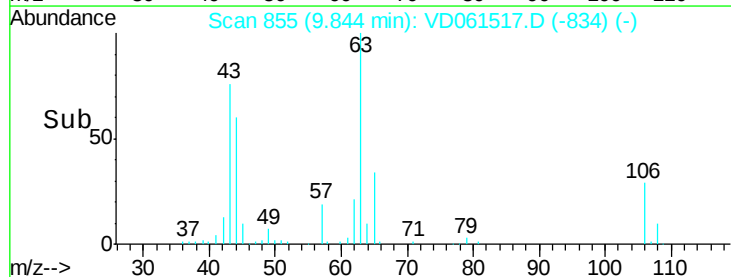
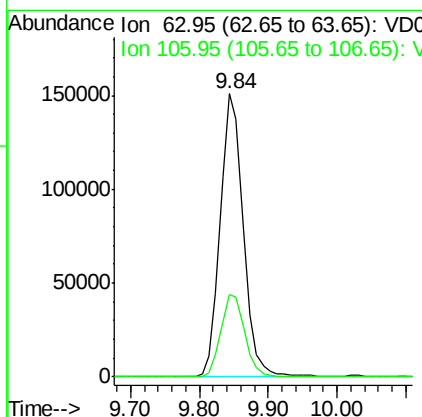
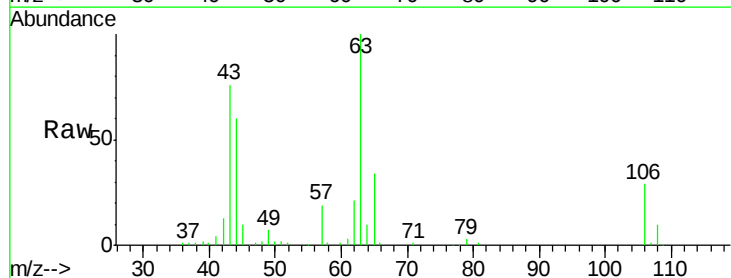
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS02

Tot Ion: 76 Resp: 175735
 Ion Ratio Lower Upper
 76 100
 78 30.2 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 120.700 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. 0.01 min
 Lab File: VD061517.D
 Acq: 2 Apr 2019 16:34

Tgt Ion: 63 Resp: 349534
 Ion Ratio Lower Upper
 63 100
 106 29.3 22.4 33.6

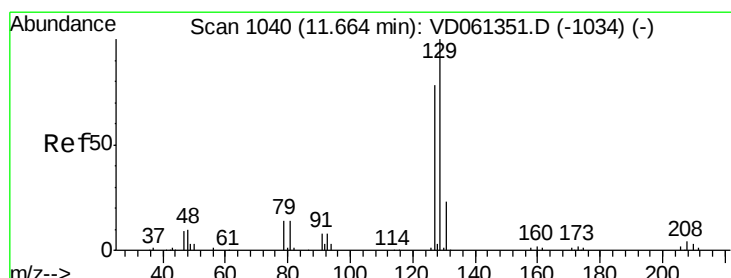
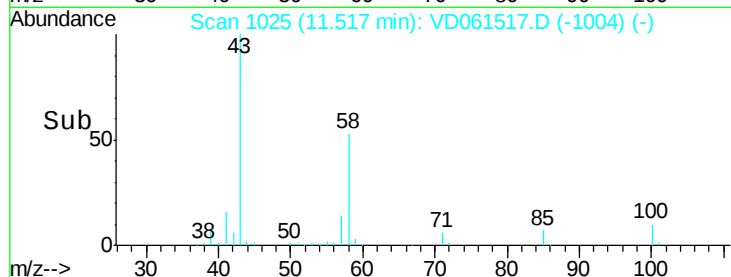
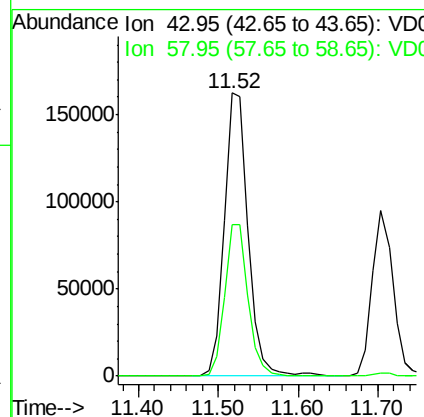
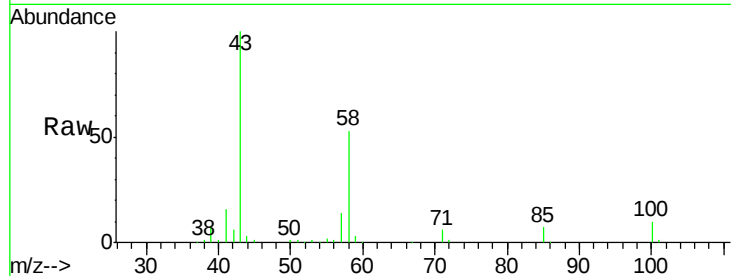




#59
2-Hexanone
Concen: 120.776 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. 0.01 min
Lab File: VD061517.D
Acq: 2 Apr 2019 16:34

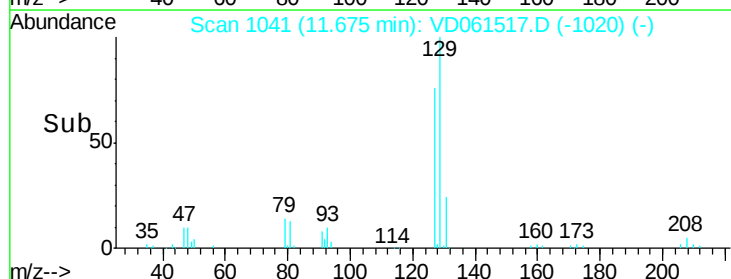
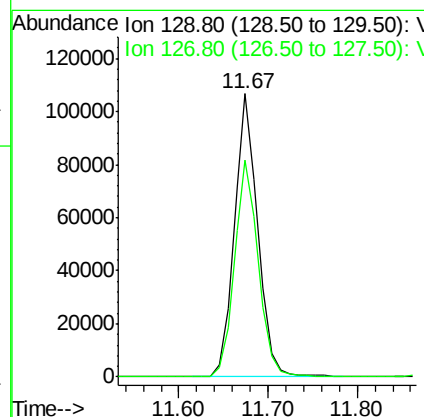
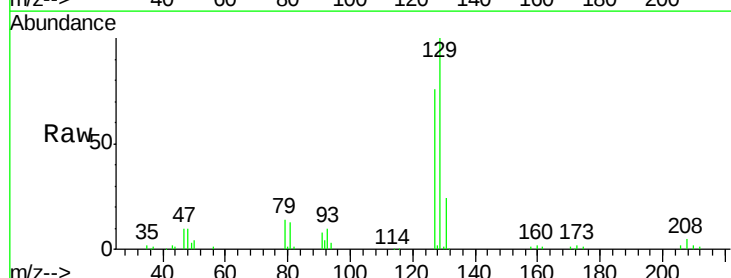
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS02

Tot Ion: 43 Resp: 342456
Ion Ratio Lower Upper
43 100
58 53.3 26.3 78.9



#60
Dibromochloromethane
Concen: 23.009 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VD061517.D
Acq: 2 Apr 2019 16:34

Tgt Ion:129 Resp: 196345
Ion Ratio Lower Upper
129 100
127 76.5 39.0 116.9

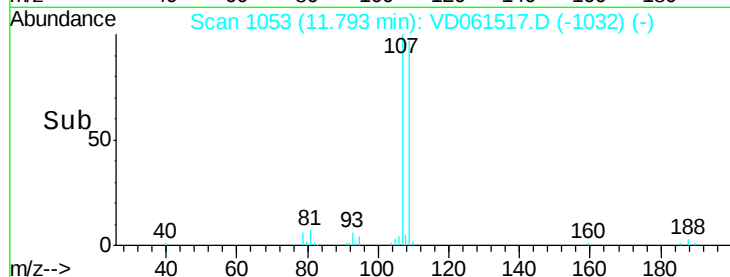
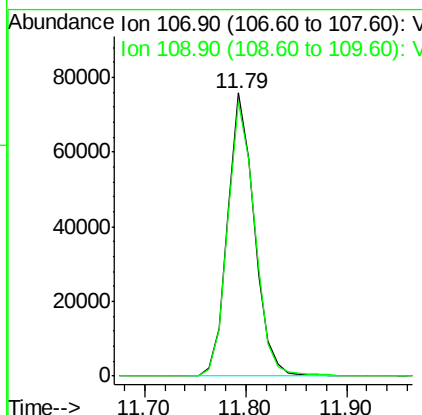
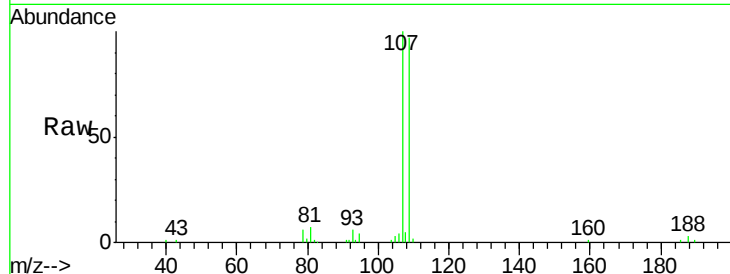




#61
 1,2-Dibromoethane
 Concen: 21.639 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VD061517.D
 Acq: 2 Apr 2019 16:34

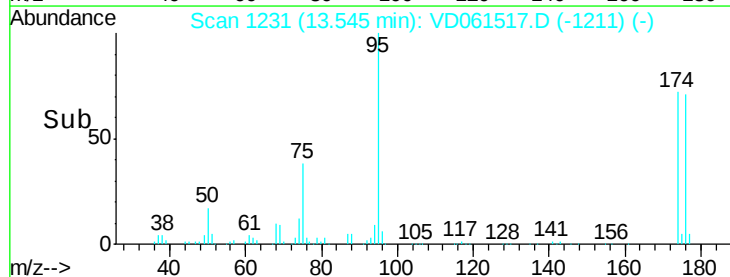
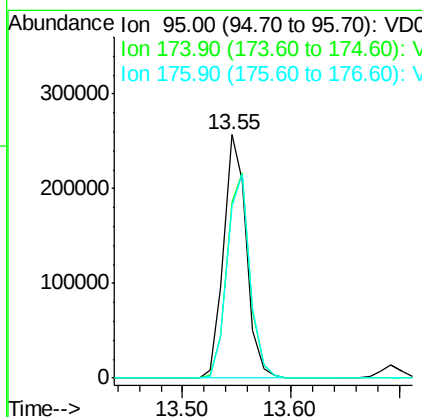
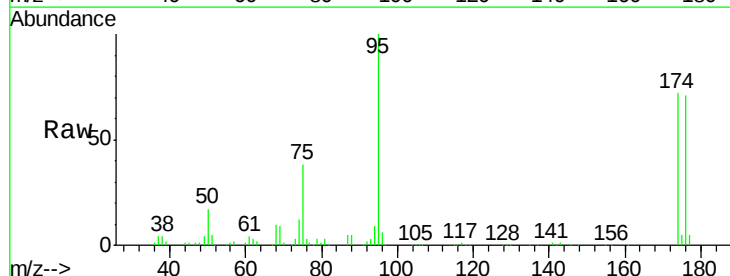
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS02

Tot Ion: 107 Resp: 138700
 Ion Ratio Lower Upper
 107 100
 109 97.0 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 21.639 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VD061517.D
 Acq: 2 Apr 2019 16:34

Tgt Ion: 95 Resp: 375820
 Ion Ratio Lower Upper
 95 100
 174 72.0 0.0 178.0
 176 70.8 0.0 175.0

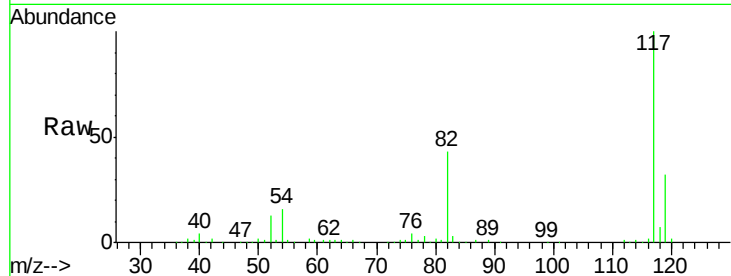




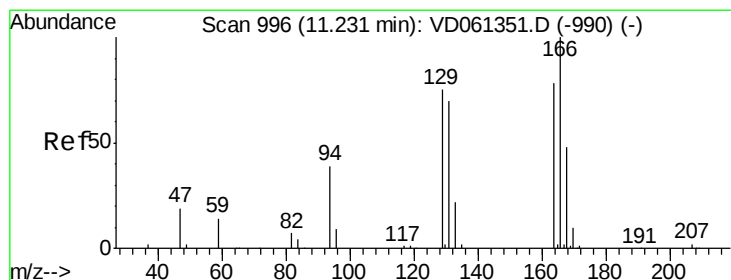
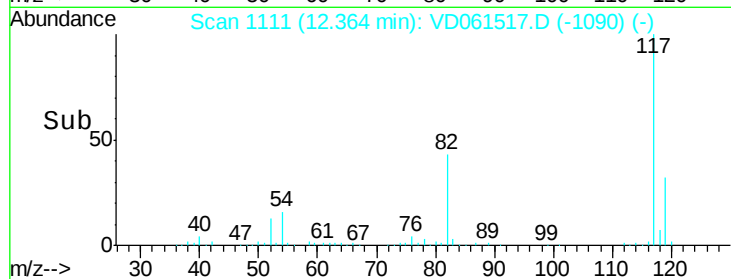
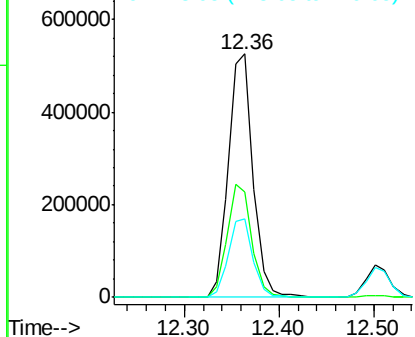
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD061517.D
Acq: 2 Apr 2019 16:34

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS02

Tot Ion:117 Resp: 945001
Ion Ratio Lower Upper
117 100
82 43.2 34.4 51.6
119 32.5 25.8 38.6

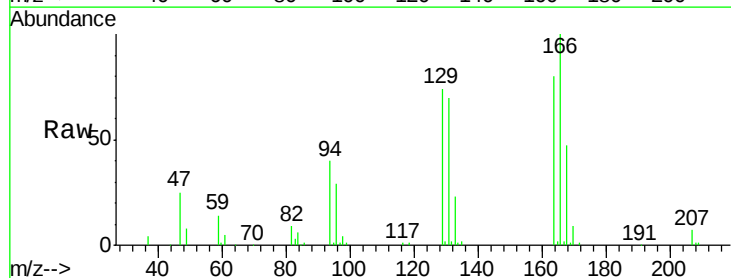


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

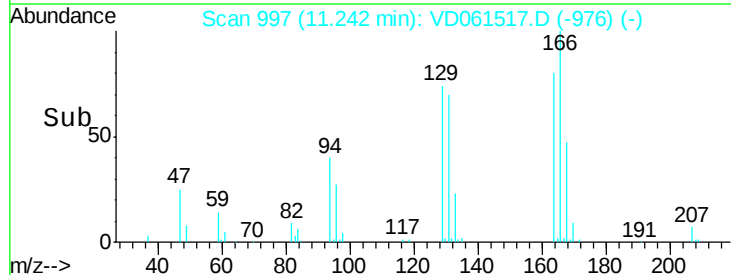
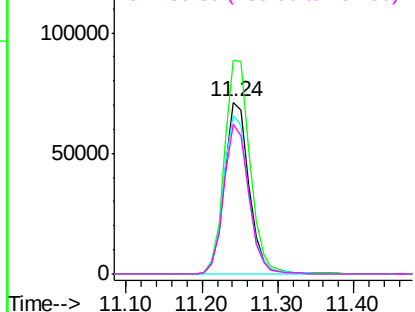


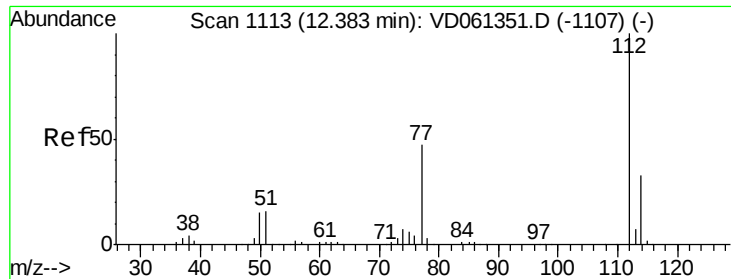
#64
Tetrachloroethene
Concen: 21.609 ug/l
RT: 11.24 min Scan# 997
Delta R.T. 0.01 min
Lab File: VD061517.D
Acq: 2 Apr 2019 16:34

Tgt Ion:164 Resp: 160262
Ion Ratio Lower Upper
164 100
166 124.4 102.4 153.6
129 92.5 76.8 115.2
131 87.0 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

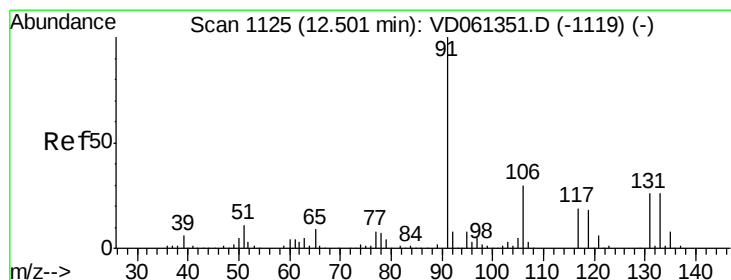
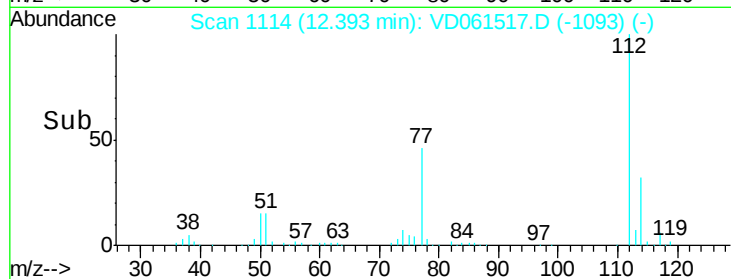
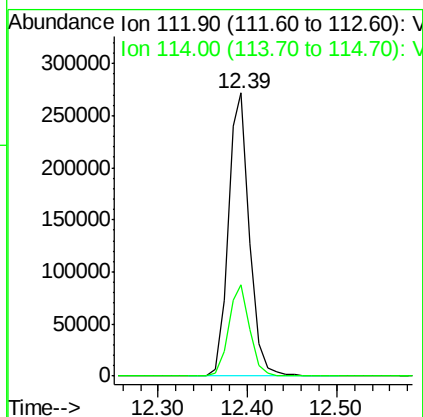
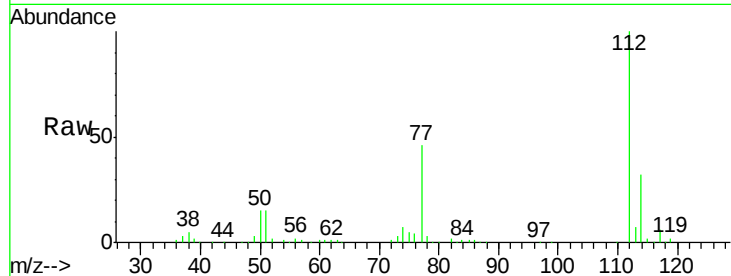




#65
Chlorobenzene
Concen: 23.442 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VD061517.D
Acq: 2 Apr 2019 16:34

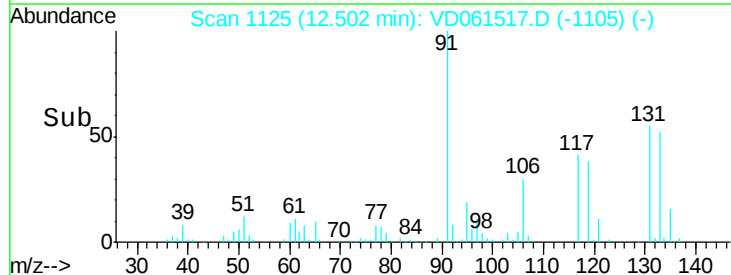
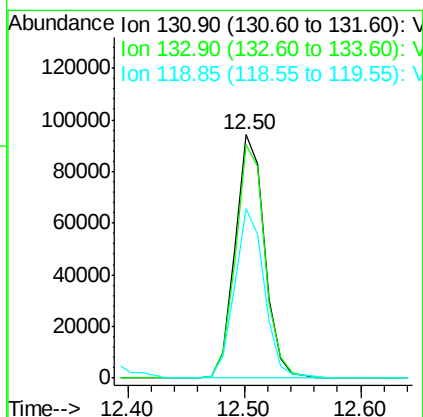
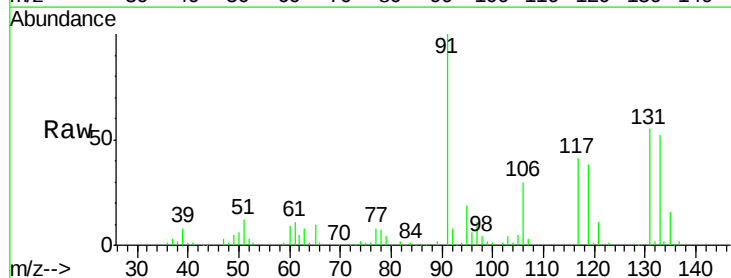
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS02

Tot Ion:112 Resp: 452719
Ion Ratio Lower Upper
112 100
114 32.1 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.963 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. 0.00 min
Lab File: VD061517.D
Acq: 2 Apr 2019 16:34

Tgt Ion:131 Resp: 164232
Ion Ratio Lower Upper
131 100
133 95.8 49.4 148.2
119 69.5 34.1 102.2

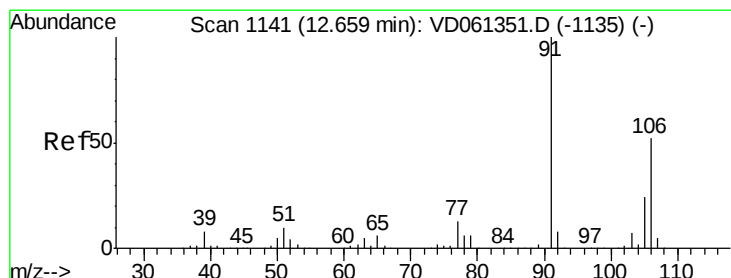
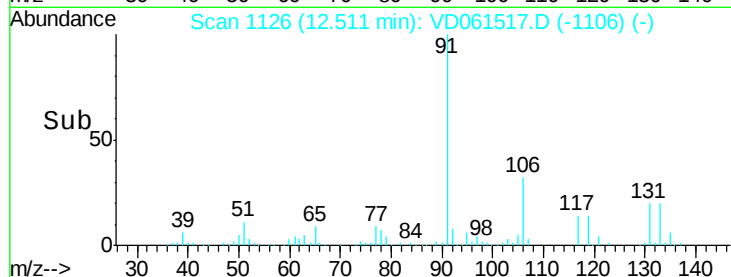
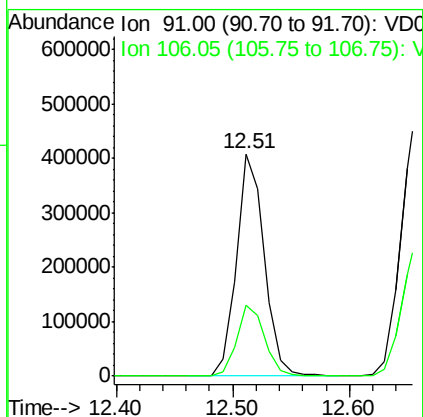
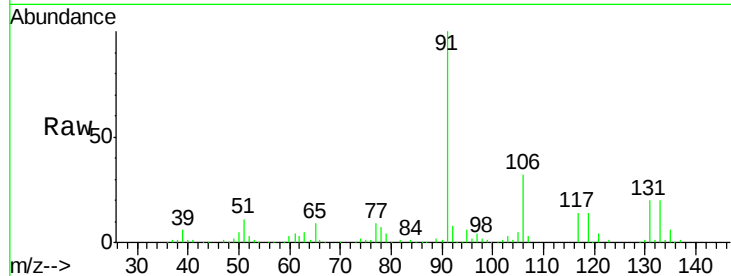




#67
Ethyl Benzene
Concen: 22.773 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD061517.D
Acq: 2 Apr 2019 16:34

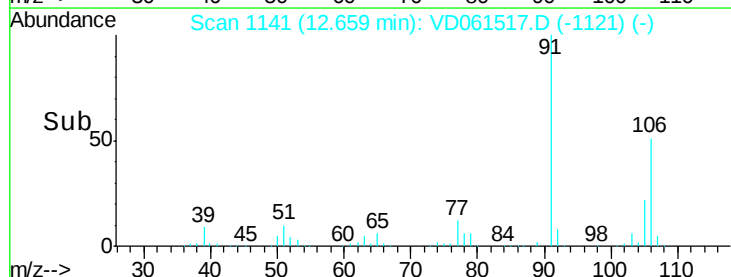
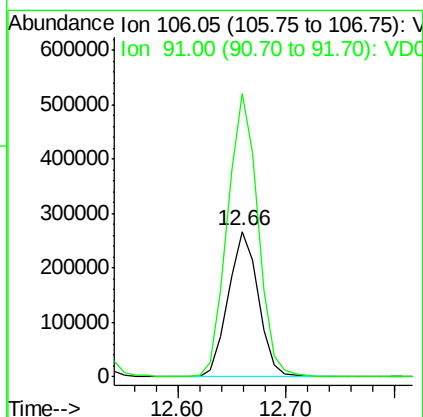
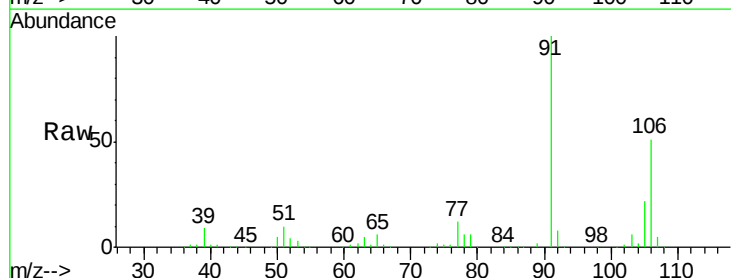
Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS02

Tot Ion: 91 Resp: 671296
Ion Ratio Lower Upper
91 100
106 31.7 26.1 39.1



#68
m/p-Xylenes
Concen: 46.321 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VD061517.D
Acq: 2 Apr 2019 16:34

Tgt Ion: 106 Resp: 517247
Ion Ratio Lower Upper
106 100
91 194.6 153.1 229.7

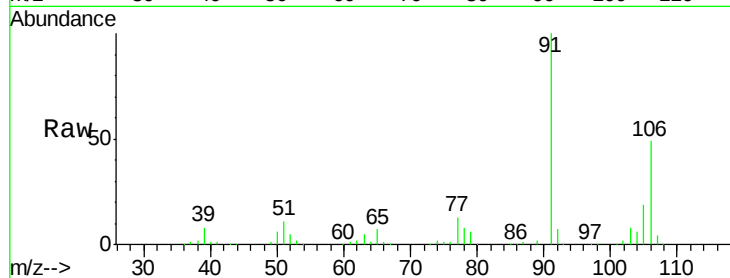




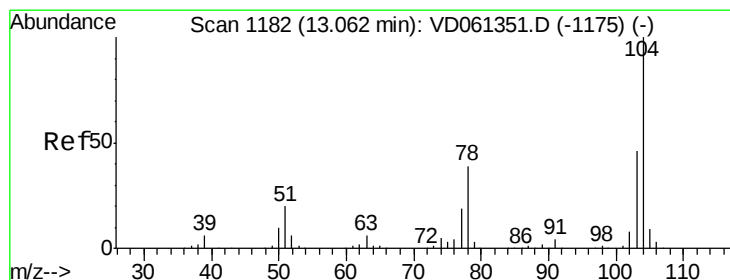
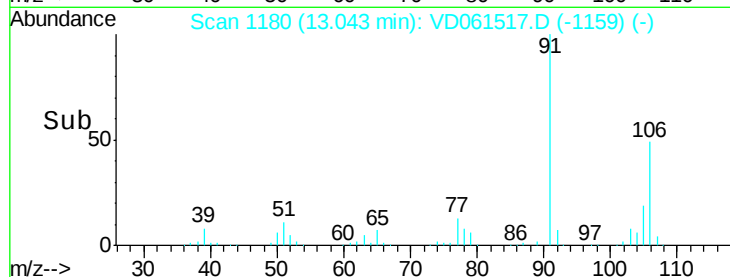
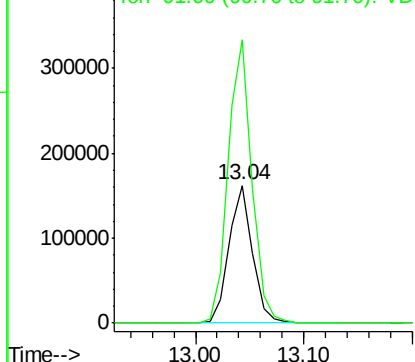
#69
o-Xylene
Concen: 22.465 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD061517.D
Acq: 2 Apr 2019 16:34

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS02

Tot Ion:106 Resp: 243433
Ion Ratio Lower Upper
106 100
91 205.5 103.8 311.3

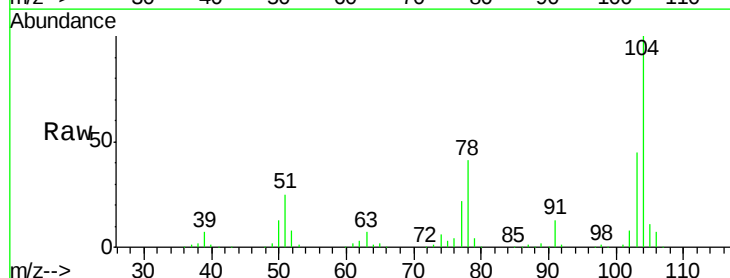


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

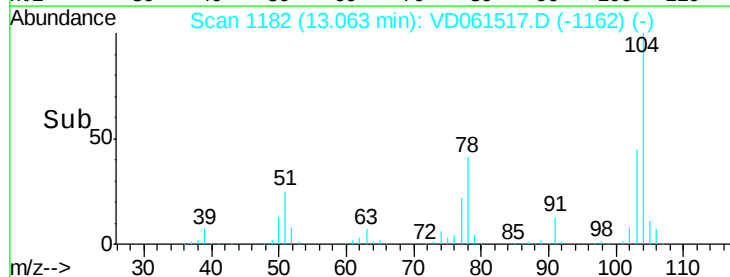
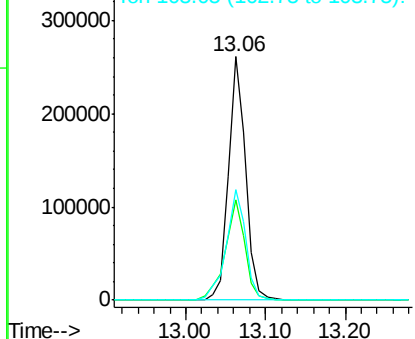


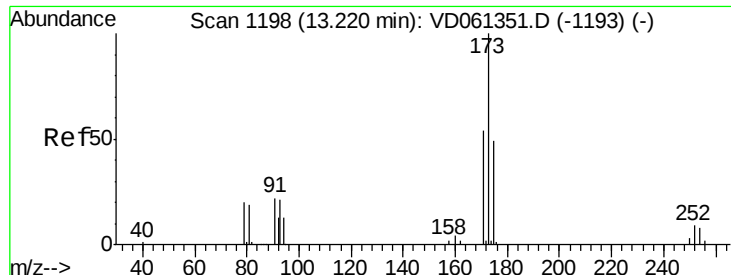
#70
Styrene
Concen: 20.942 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VD061517.D
Acq: 2 Apr 2019 16:34

Tgt Ion:104 Resp: 395581
Ion Ratio Lower Upper
104 100
78 41.3 31.0 46.6
103 45.1 37.0 55.4



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





#71

Bromoform

Concen: 21.399 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.01 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBS02

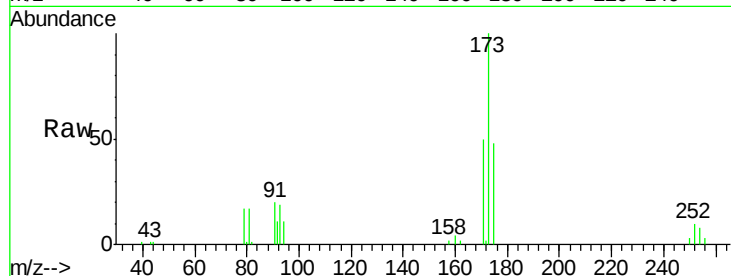
Tot Ion:173 Resp: 101436

Ion Ratio Lower Upper

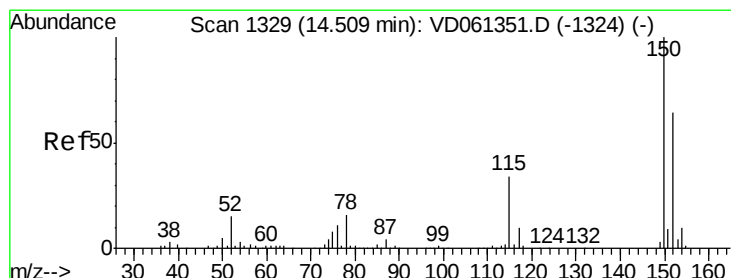
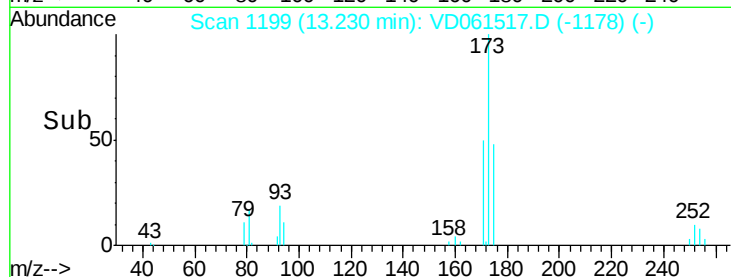
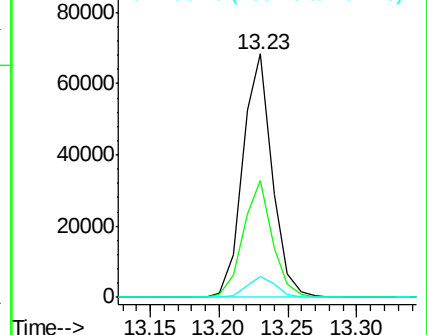
173 100

175 47.9 24.6 73.8

254 8.4 6.6 10.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. 0.00 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

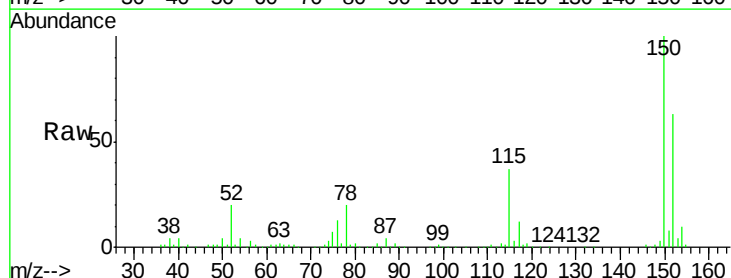
Tgt Ion:152 Resp: 464362

Ion Ratio Lower Upper

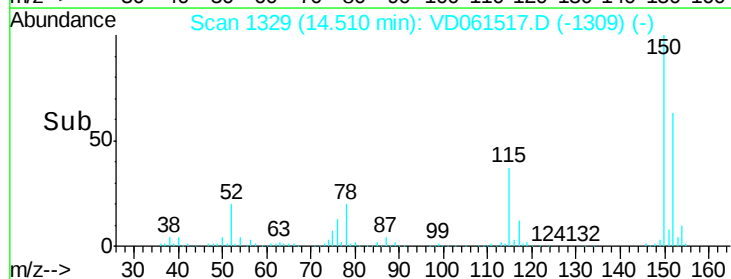
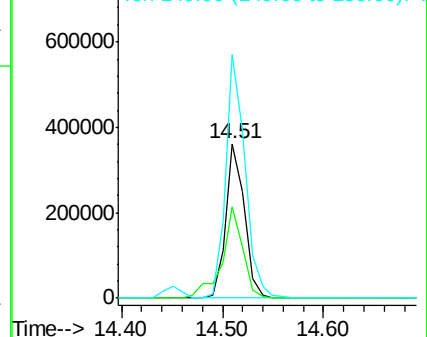
152 100

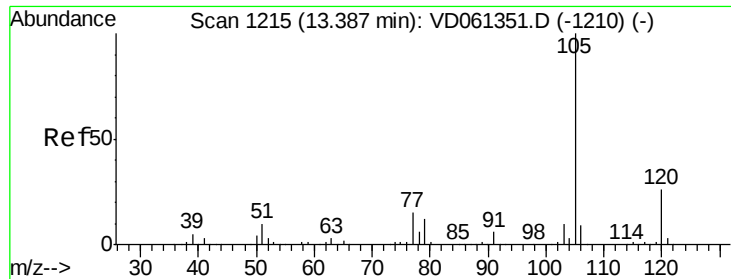
115 58.8 26.9 80.6

150 157.5 0.0 318.0



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





#73

Isopropylbenzene

Concen: 20.919 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

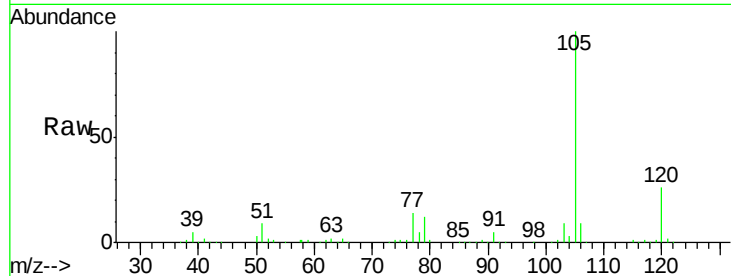
VD0402SBS02

Tot Ion:105 Resp: 676070

Ion Ratio Lower Upper

105 100

120 25.7 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

500000

400000

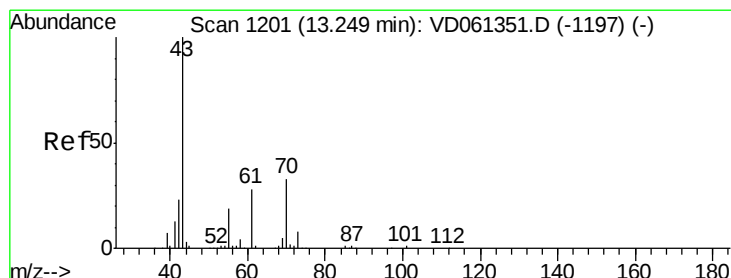
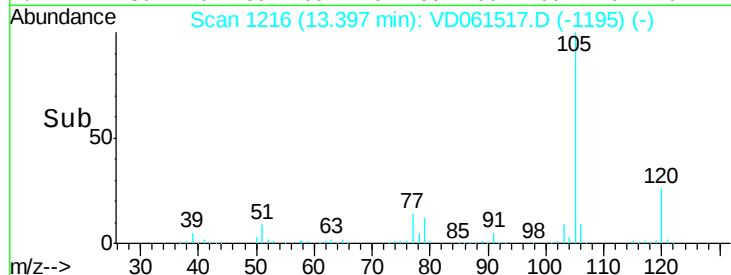
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 21.521 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

Tgt Ion: 43 Resp: 193761

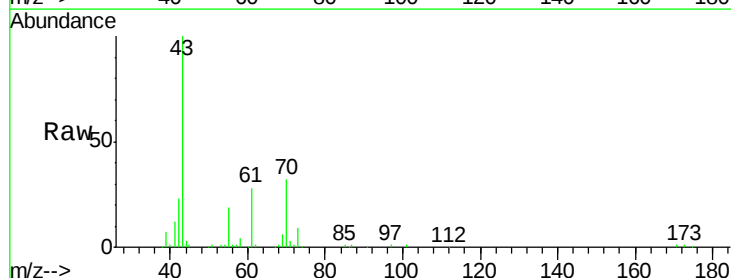
Ion Ratio Lower Upper

43 100

70 32.1 26.6 40.0

55 19.5 15.4 23.2

61 27.6 22.2 33.4



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

200000

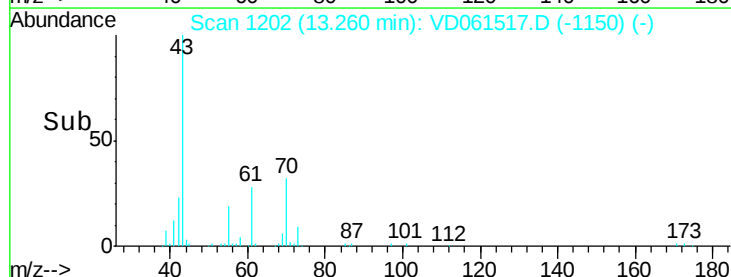
150000

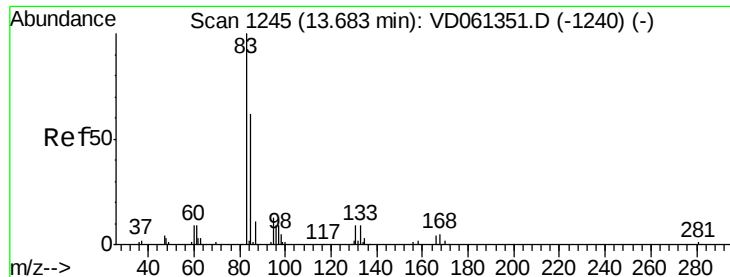
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 18.993 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBS02

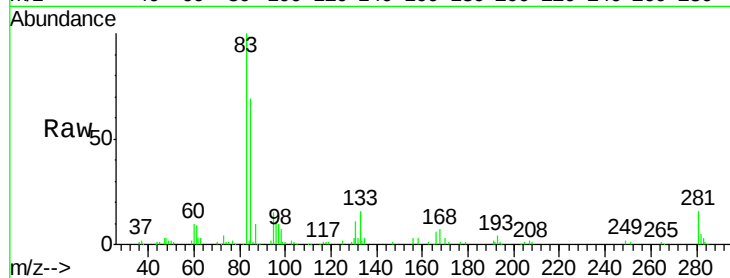
Tot Ion: 83 Resp: 129488

Ion Ratio Lower Upper

83 100

131 10.7 4.3 13.1

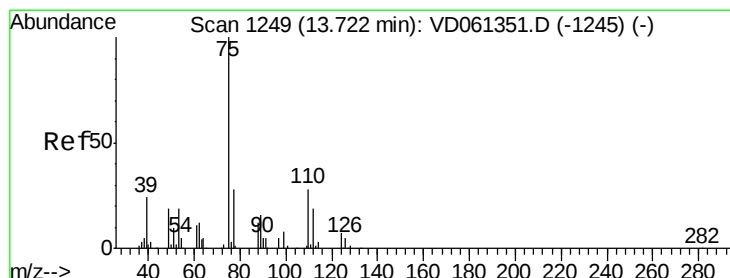
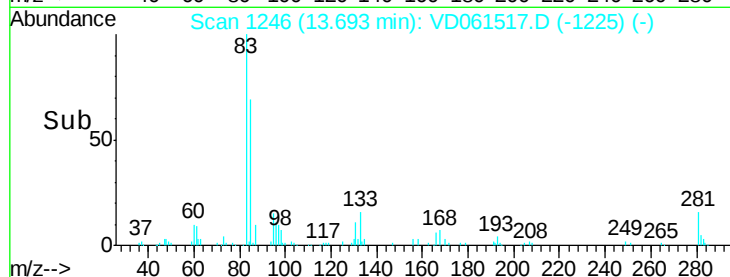
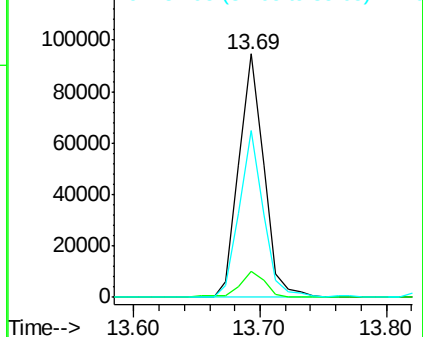
85 68.7 31.2 93.6



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: 20.064 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VD061517.D

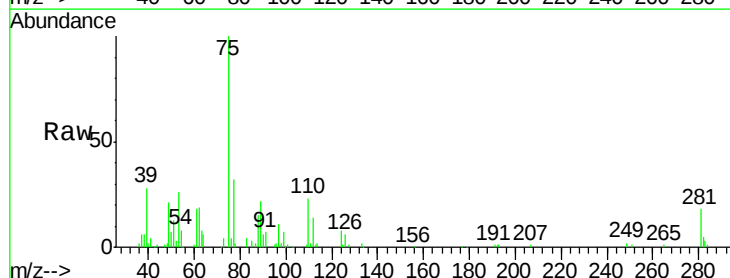
Acq: 2 Apr 2019 16:34

Tgt Ion: 75 Resp: 134584

Ion Ratio Lower Upper

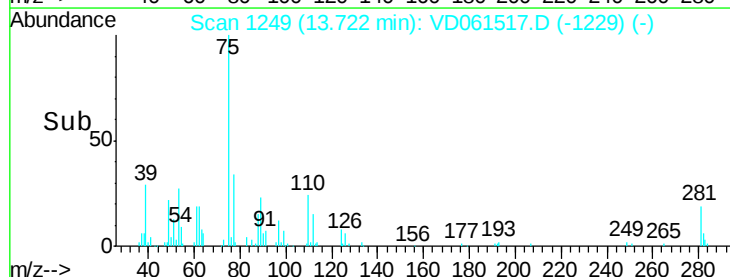
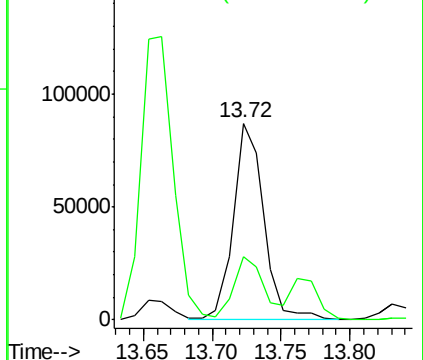
75 100

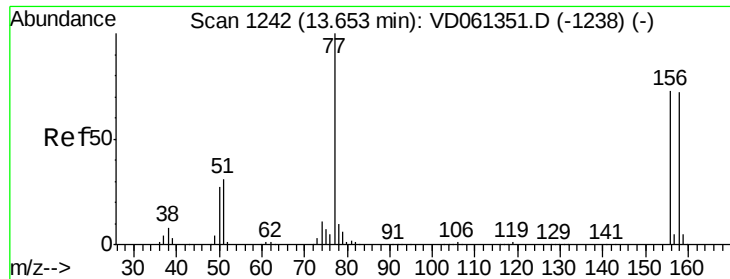
77 32.5 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 17.713 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBS02

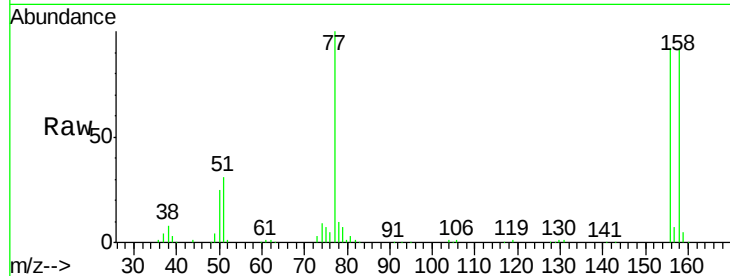
Tot Ion:156 Resp: 169711

Ion Ratio Lower Upper

156 100

77 108.9 68.5 205.6

158 100.1 49.1 147.3



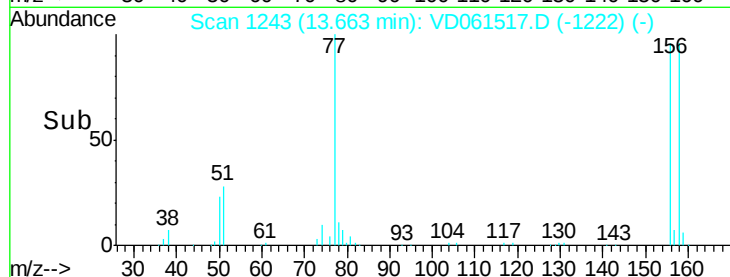
Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

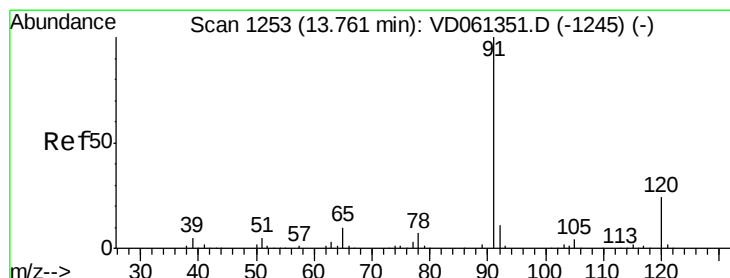
Ion 157.85 (157.55 to 158.55): V

13.66

13.70



Time-->



#78

n-propylbenzene

Concen: 20.464 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. 0.00 min

Lab File: VD061517.D

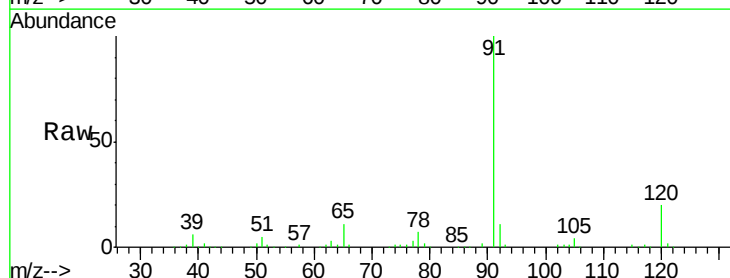
Acq: 2 Apr 2019 16:34

Tgt Ion: 91 Resp: 809357

Ion Ratio Lower Upper

91 100

120 20.5 11.8 35.3

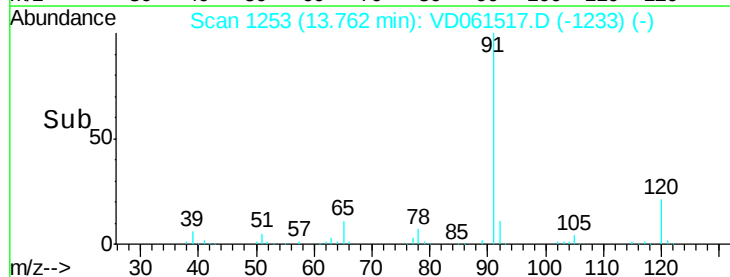


Abundance Ion 91.00 (90.70 to 91.70): V

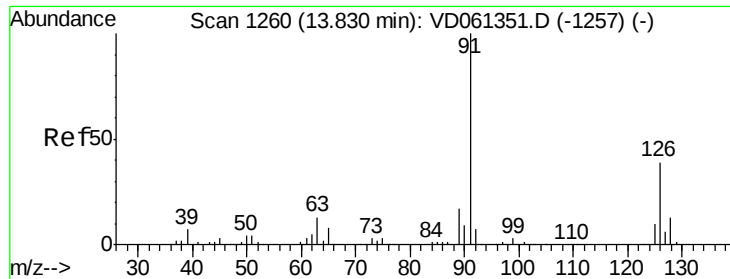
Ion 120.05 (119.75 to 120.75): V

13.76

13.80



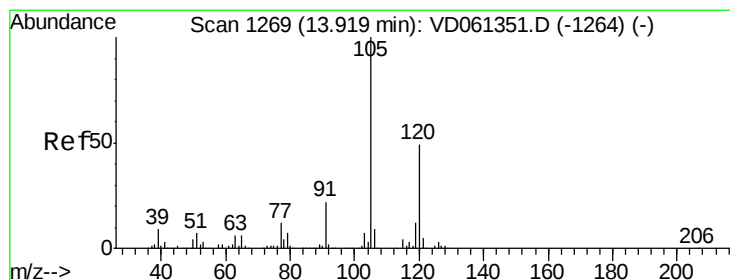
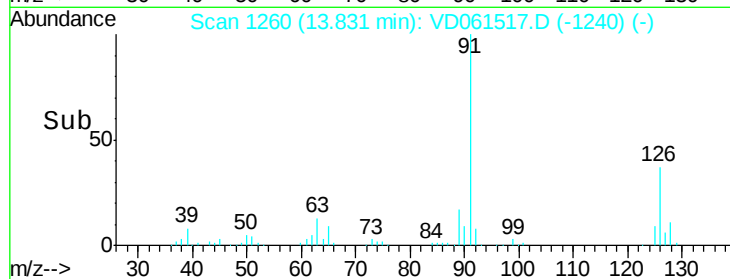
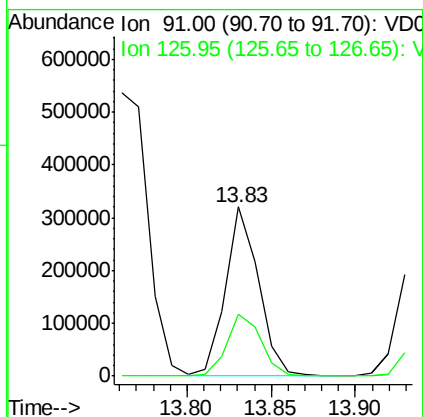
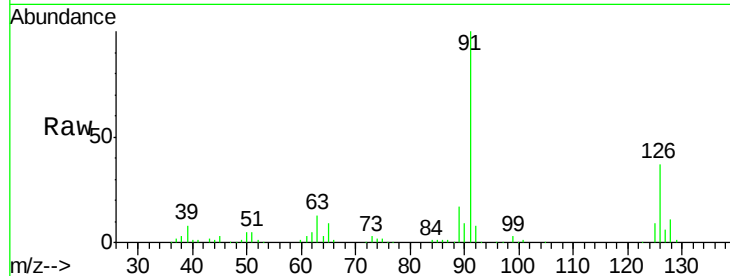
Time-->



#79
 2-Chlorotoluene
 Concen: 20.371 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD061517.D
 Acq: 2 Apr 2019 16:34

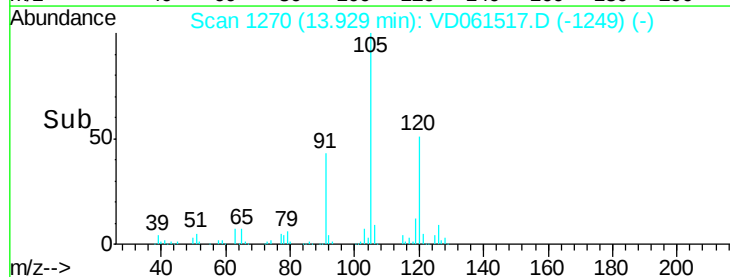
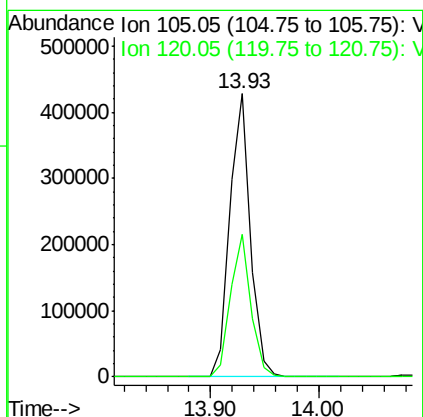
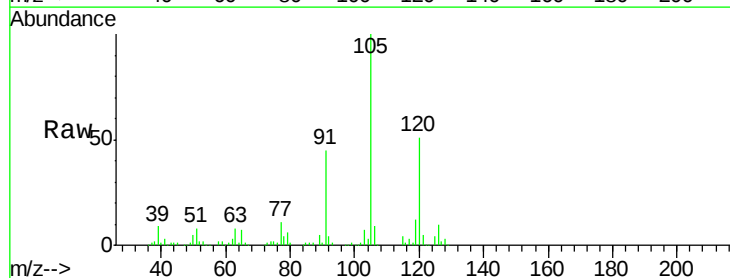
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS02

Tot Ion: 91 Resp: 437470
 Ion Ratio Lower Upper
 91 100
 126 36.6 19.4 58.2



#80
 1,3,5-Trimethylbenzene
 Concen: 22.519 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VD061517.D
 Acq: 2 Apr 2019 16:34

Tgt Ion: 105 Resp: 564684
 Ion Ratio Lower Upper
 105 100
 120 50.5 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.620 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. 0.01 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBS02

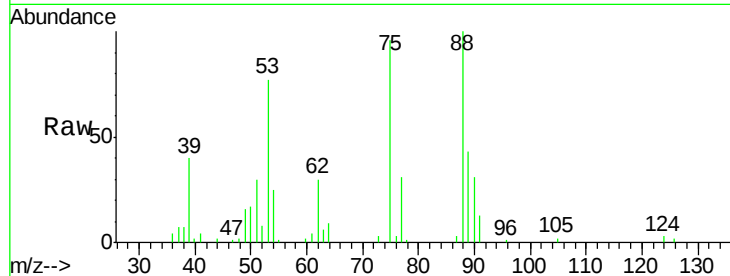
Tot Ion: 75 Resp: 38082

Ion Ratio Lower Upper

75 100

53 80.7 63.8 95.8

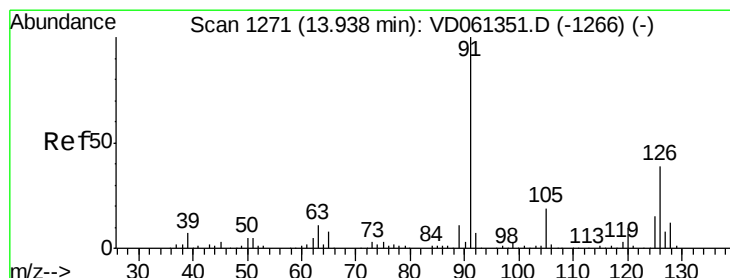
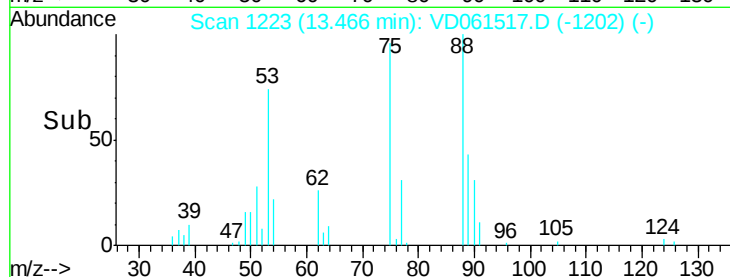
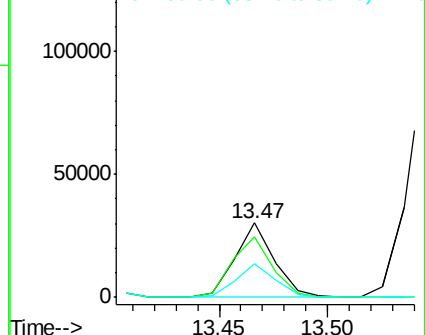
89 45.3 30.5 45.7



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: 22.653 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD061517.D

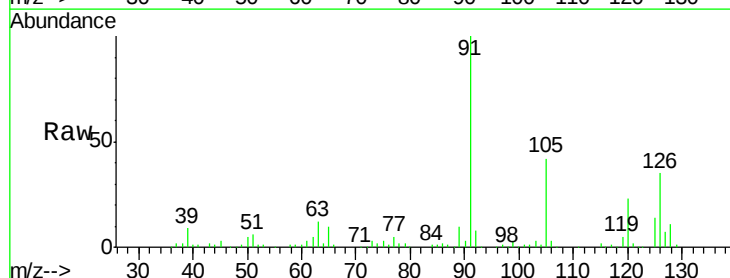
Acq: 2 Apr 2019 16:34

Tgt Ion: 91 Resp: 528965

Ion Ratio Lower Upper

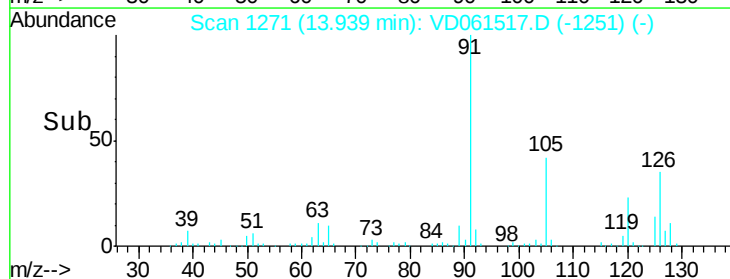
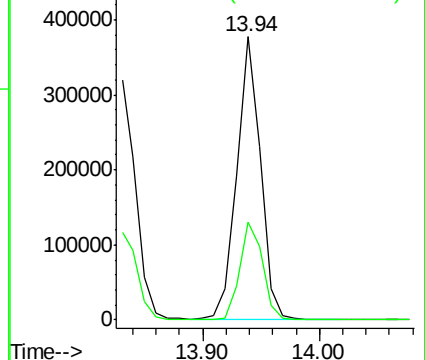
91 100

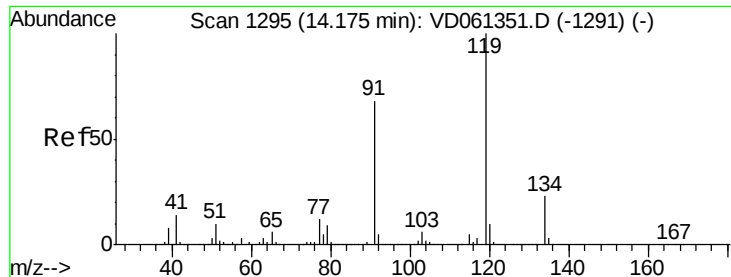
126 34.5 19.6 58.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

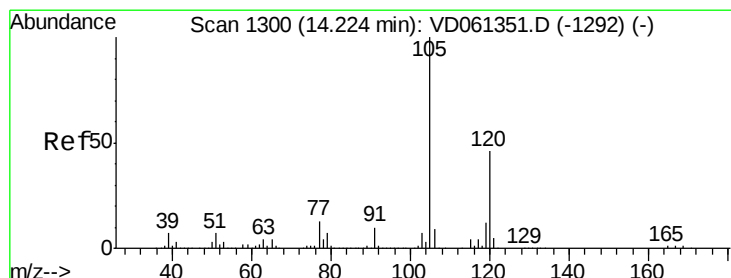
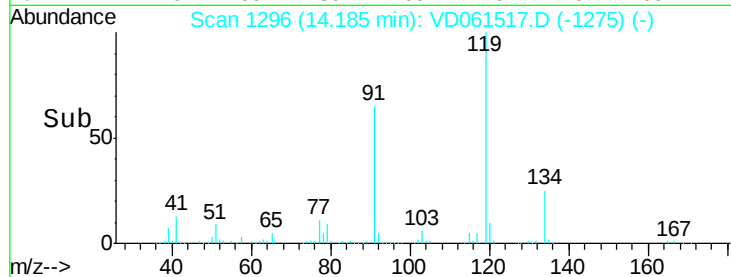
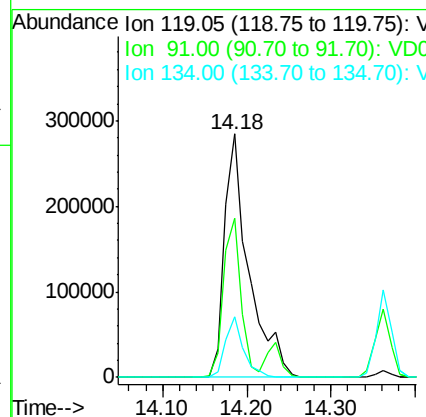
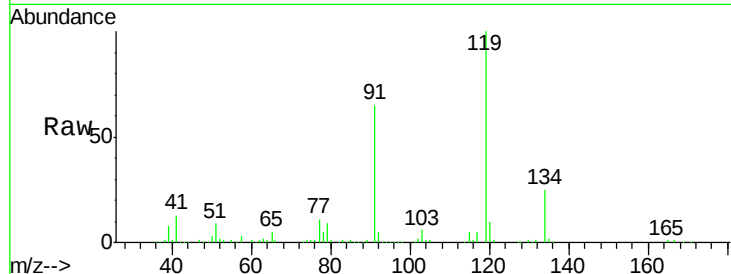




#83
 tert-Butylbenzene
 Concen: 18.320 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. 0.01 min
 Lab File: VD061517.D
 Acq: 2 Apr 2019 16:34

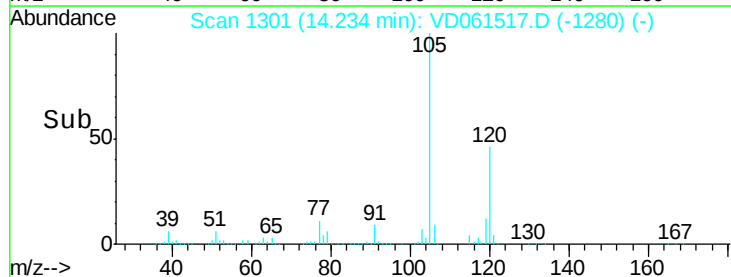
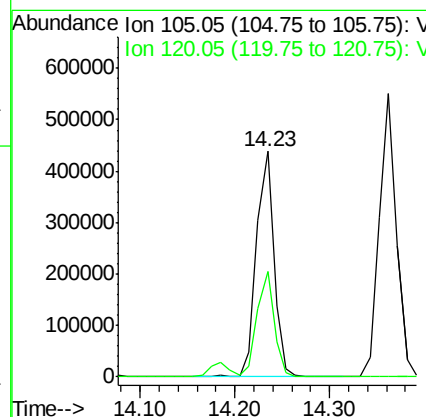
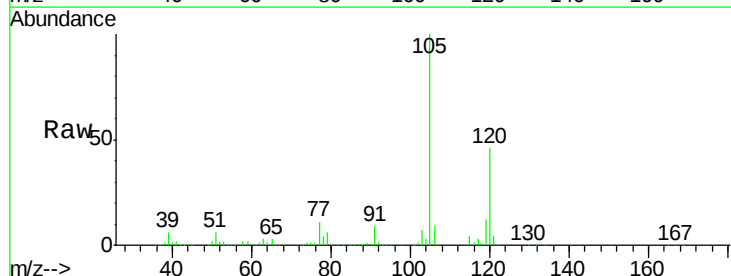
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS02

Tot Ion:119 Resp: 574098
 Ion Ratio Lower Upper
 119 100
 91 65.3 34.1 102.3
 134 24.8 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.861 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.01 min
 Lab File: VD061517.D
 Acq: 2 Apr 2019 16:34

Tgt Ion:105 Resp: 566338
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.8 68.4





#85

sec-Butylbenzene

Concen: 21.188 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.01 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

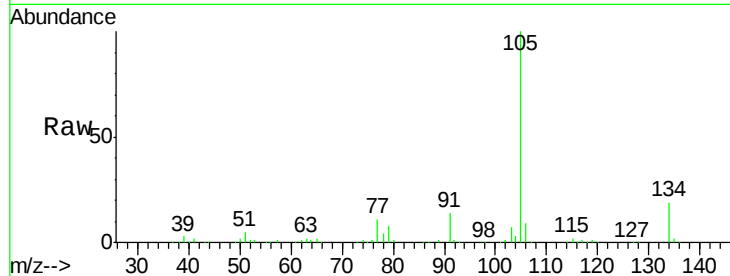
VD0402SBS02

Tot Ion:105 Resp: 705396

Ion Ratio Lower Upper

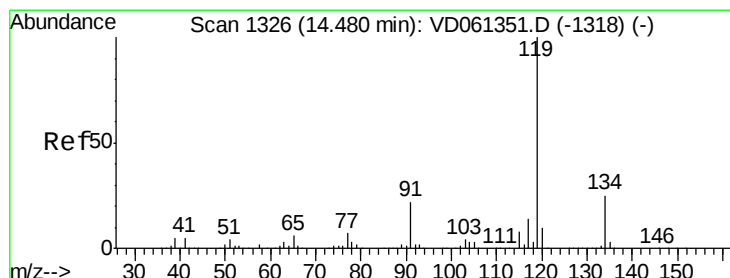
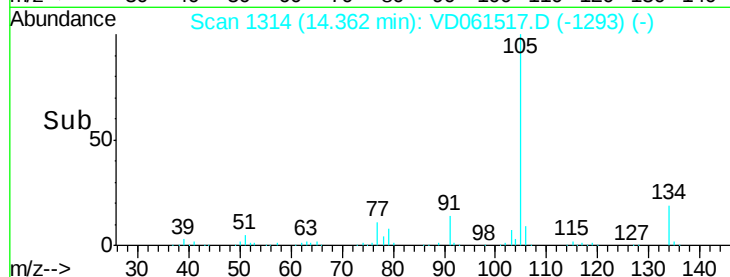
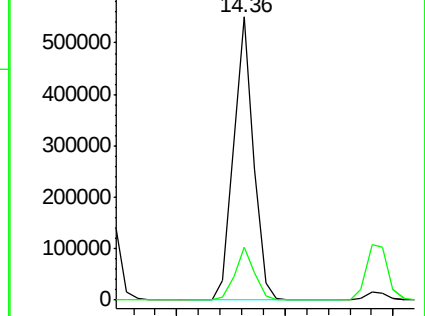
105 100

134 18.6 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 22.753 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

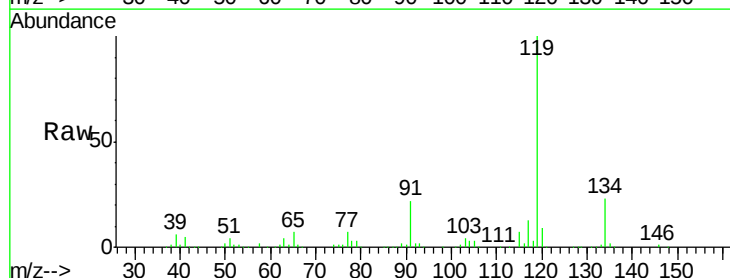
Tgt Ion:119 Resp: 640515

Ion Ratio Lower Upper

119 100

134 23.0 12.3 36.8

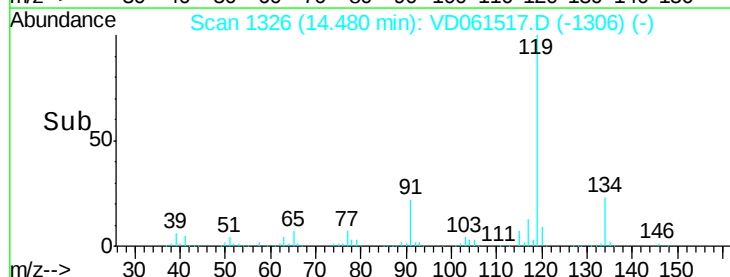
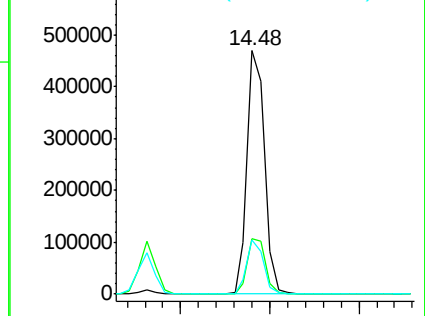
91 22.4 11.1 33.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

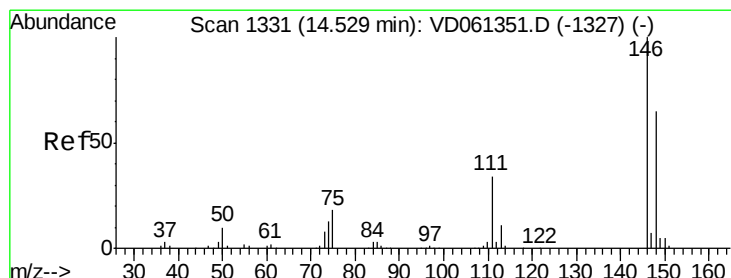
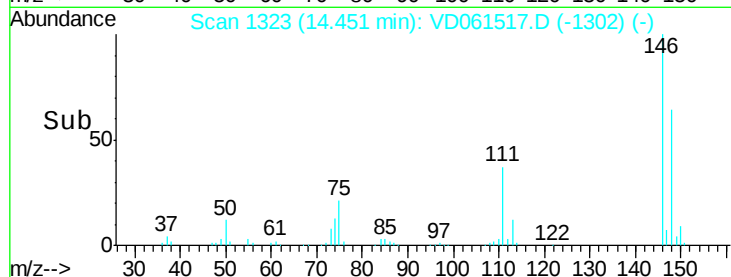
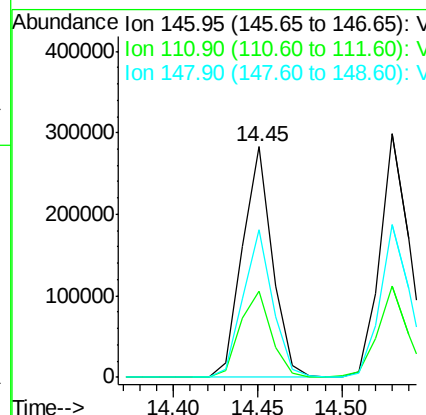
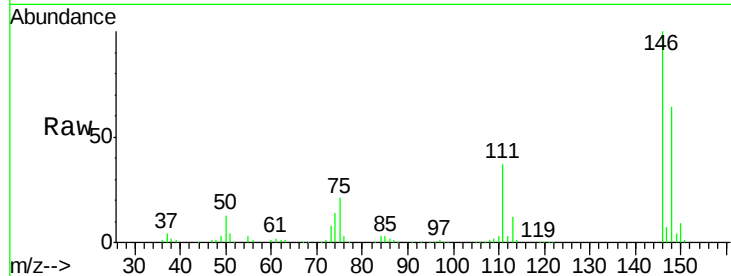




#87
 1,3-Dichlorobenzene
 Concen: 21.558 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VD061517.D
 Acq: 2 Apr 2019 16:34

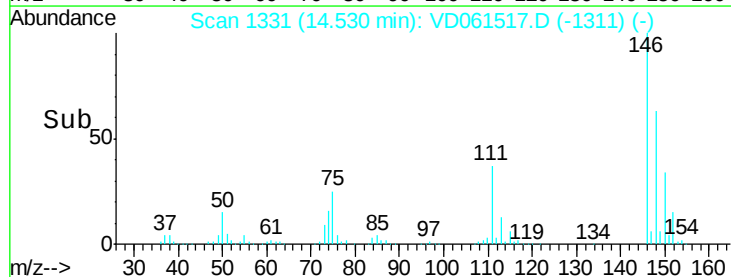
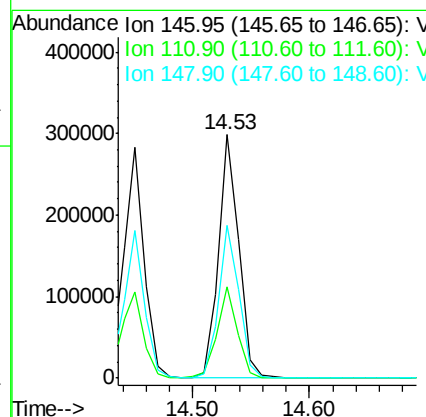
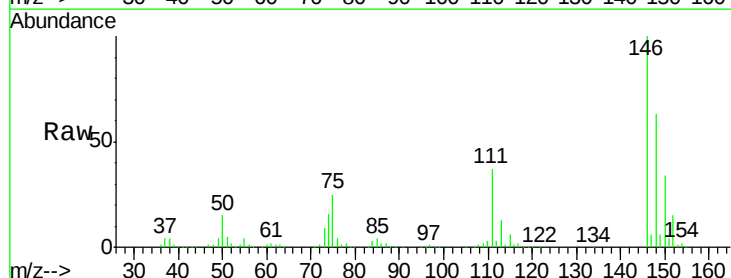
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS02

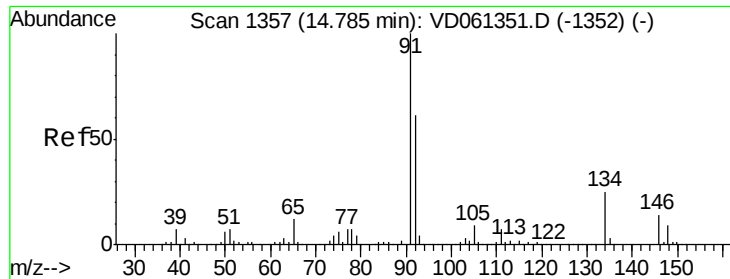
Tot Ion:146 Resp: 349772
 Ion Ratio Lower Upper
 146 100
 111 37.4 20.6 61.9
 148 64.0 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 22.671 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: VD061517.D
 Acq: 2 Apr 2019 16:34

Tgt Ion:146 Resp: 358705
 Ion Ratio Lower Upper
 146 100
 111 37.4 16.8 50.4
 148 62.7 32.6 98.0





#89

n-Butylbenzene

Concen: 22.533 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VD061517.D

Acq: 2 Apr 2019 16:34

Instrument :

MSVOA_D

ClientSampleId :

VD0402SBS02

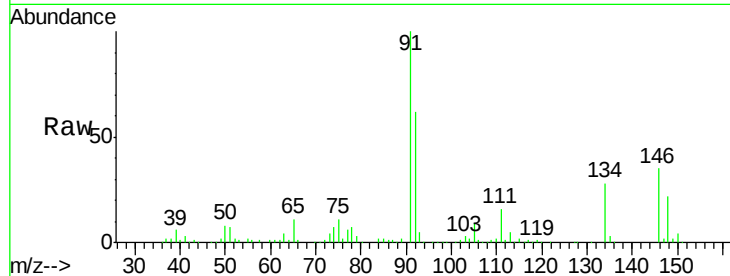
Tot Ion: 91 Resp: 582227

Ion Ratio Lower Upper

91 100

92 61.5 30.3 91.0

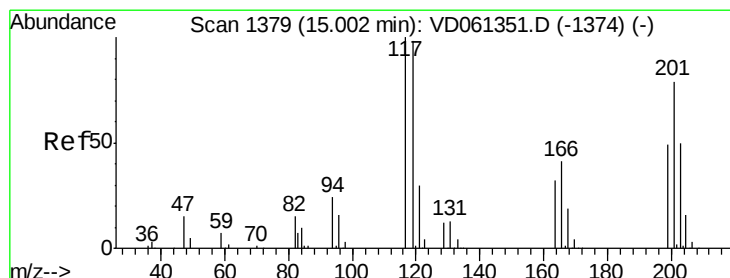
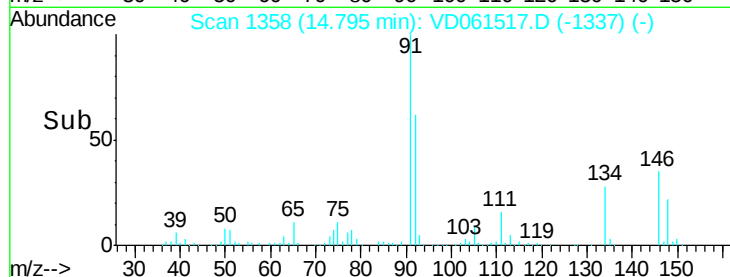
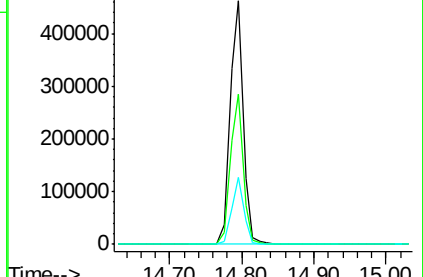
134 27.7 12.4 37.0



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: 20.012 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VD061517.D

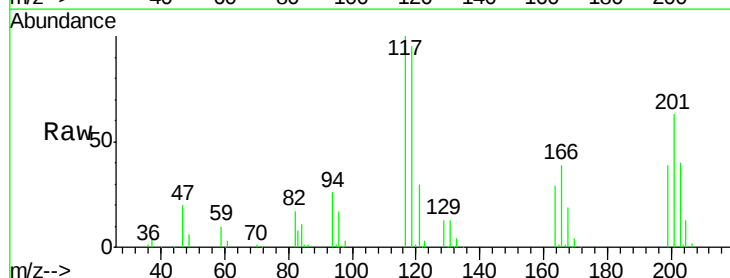
Acq: 2 Apr 2019 16:34

Tgt Ion: 117 Resp: 159154

Ion Ratio Lower Upper

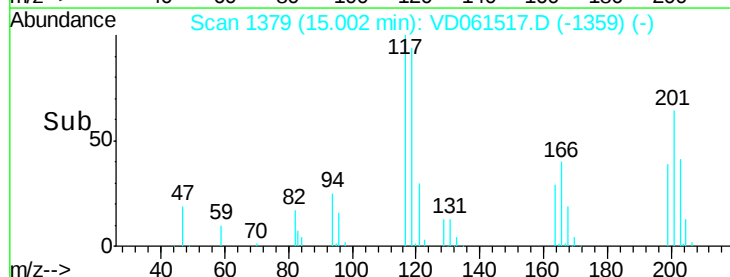
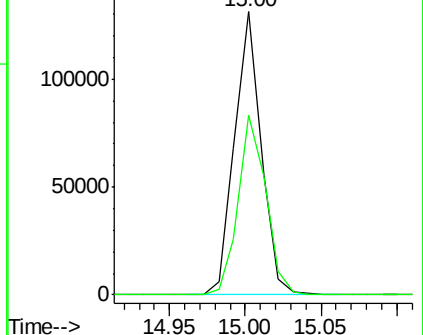
117 100

201 63.3 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

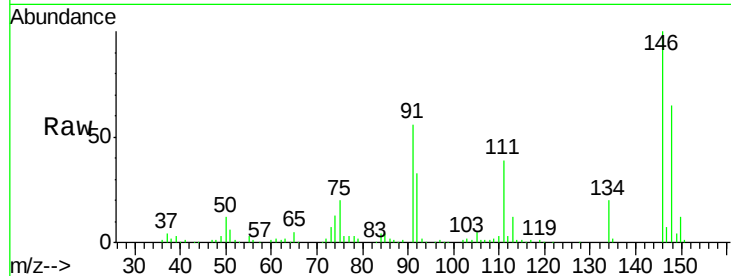




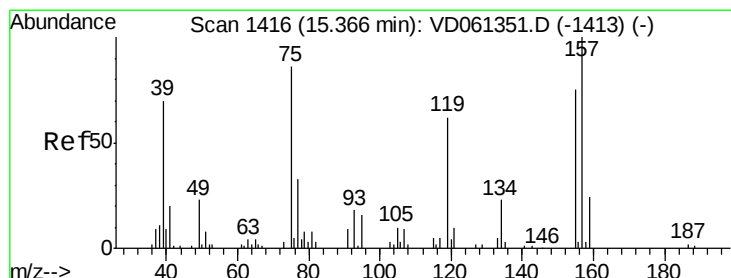
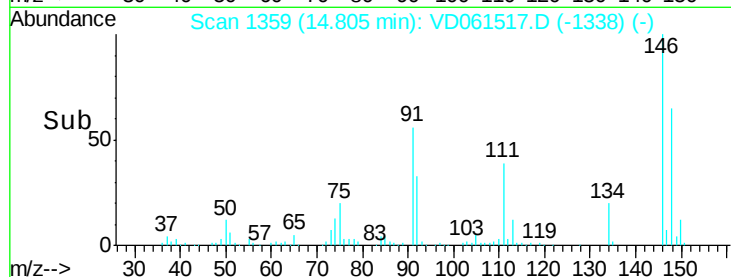
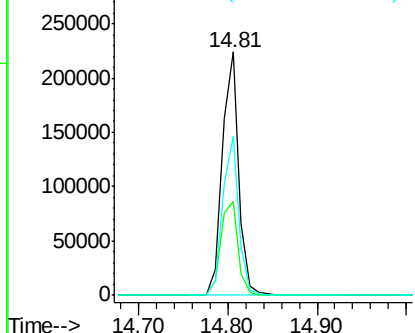
#91
 1,2-Dichlorobenzene
 Concen: 21.907 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD061517.D
 Acq: 2 Apr 2019 16:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS02

Tot Ion:146 Resp: 291543
 Ion Ratio Lower Upper
 146 100
 111 38.7 21.2 63.6
 148 65.2 31.6 95.0

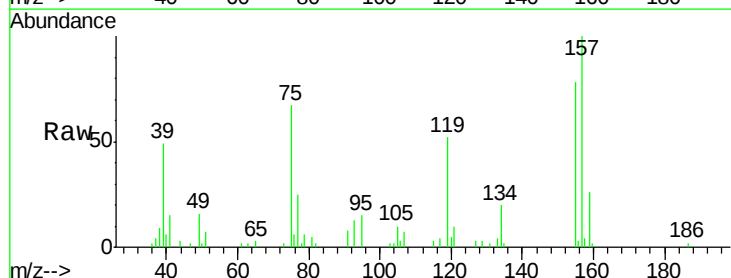


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

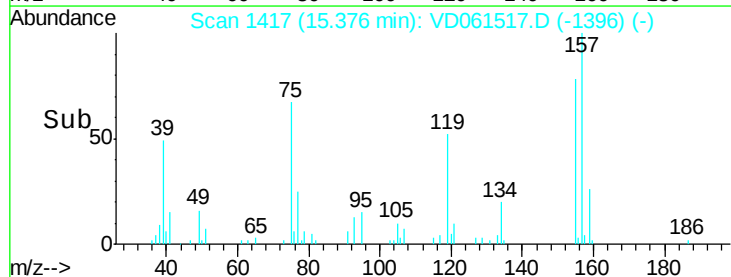
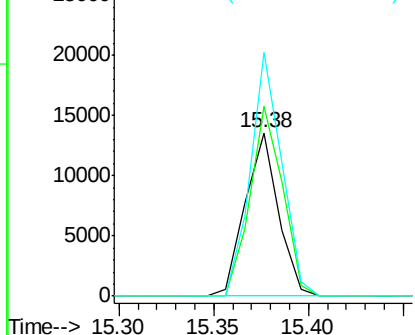


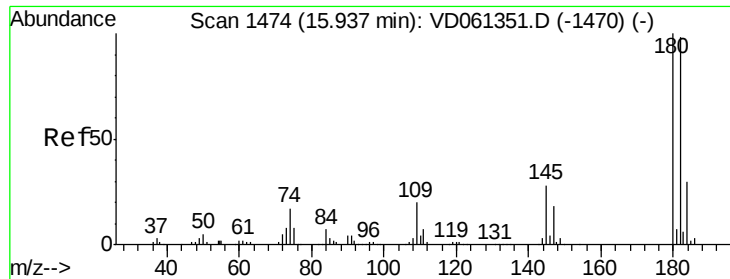
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.597 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VD061517.D
 Acq: 2 Apr 2019 16:34

Tgt Ion: 75 Resp: 16470
 Ion Ratio Lower Upper
 75 100
 155 116.5 43.6 130.9
 157 148.9 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

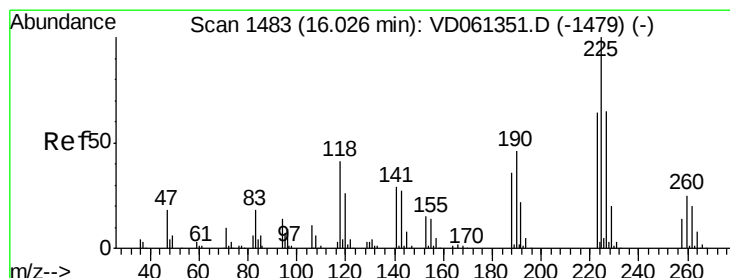
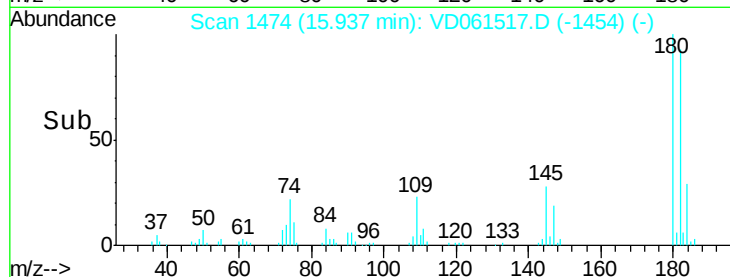
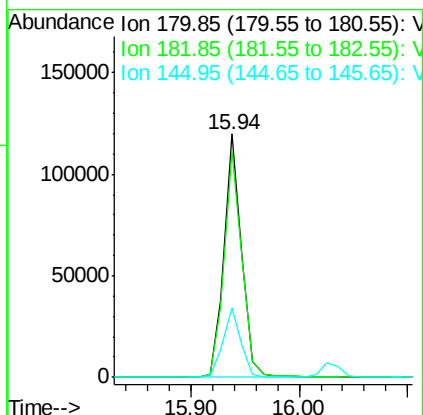
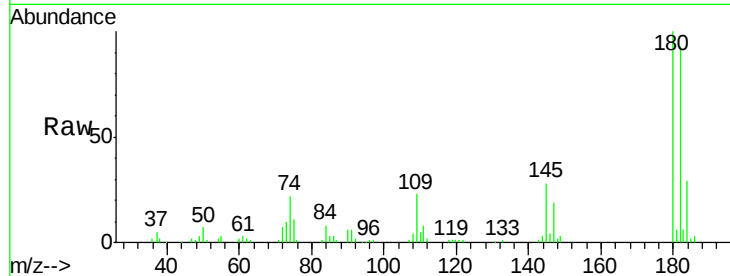




#93
 1,2,4-Trichlorobenzene
 Concen: 22.294 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. 0.00 min
 Lab File: VD061517.D
 Acq: 2 Apr 2019 16:34

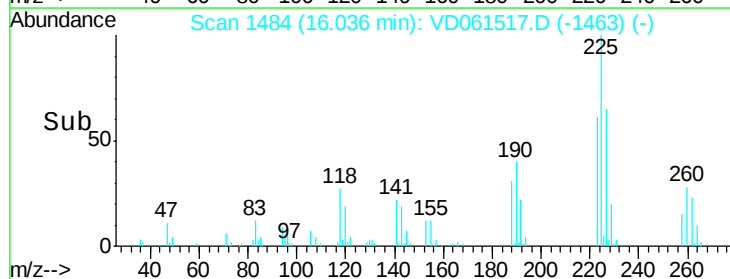
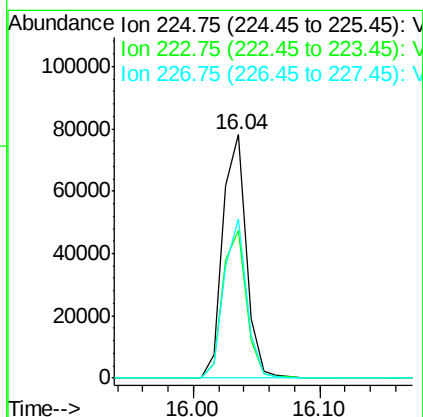
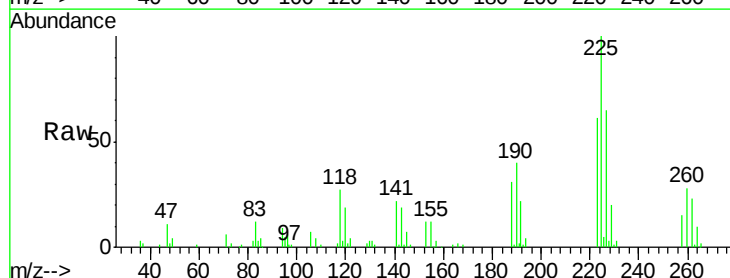
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS02

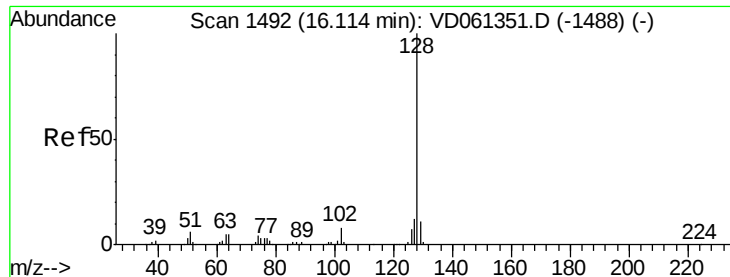
Tot Ion:180 Resp: 135157
 Ion Ratio Lower Upper
 180 100
 182 92.6 48.9 146.8
 145 28.3 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 21.166 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD061517.D
 Acq: 2 Apr 2019 16:34

Tgt Ion:225 Resp: 100269
 Ion Ratio Lower Upper
 225 100
 223 60.8 32.0 96.0
 227 65.3 32.4 97.2

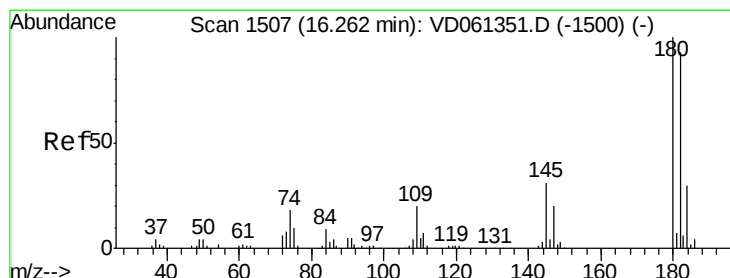
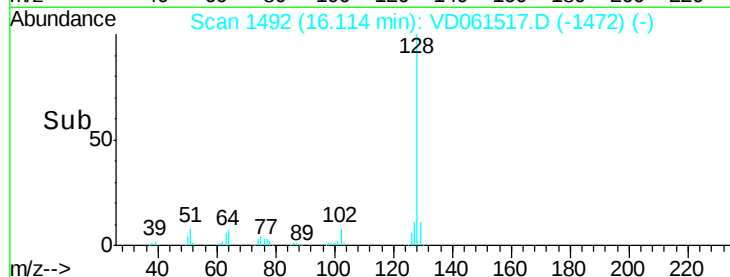
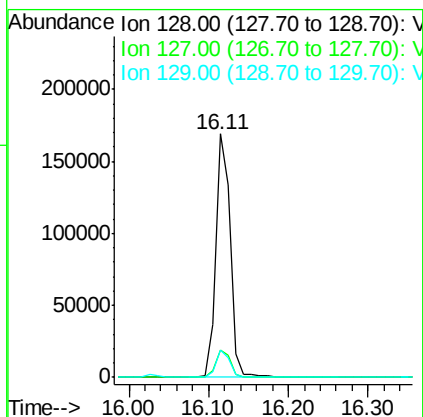
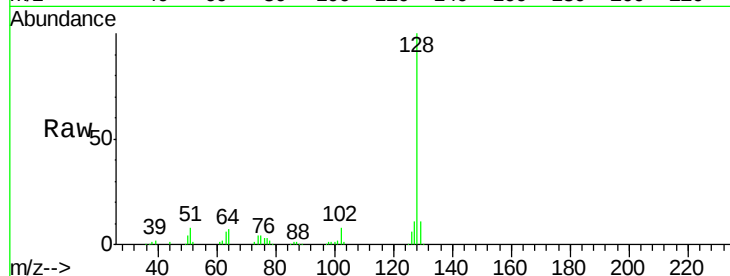




#95
Naphthalene
Concen: 23.355 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VD061517.D
Acq: 2 Apr 2019 16:34

Instrument :
MSVOA_D
ClientSampleId :
VD0402SBS02

Tot Ion:128 Resp: 215822
Ion Ratio Lower Upper
128 100
127 11.3 9.9 14.9
129 11.3 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 23.443 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. 0.00 min
Lab File: VD061517.D
Acq: 2 Apr 2019 16:34

Tgt Ion:180 Resp: 62540
Ion Ratio Lower Upper
180 100
182 96.5 46.4 139.1
145 30.5 15.3 45.9

