

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061301.D
 Acq On : 25 Mar 2019 13:57
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD032519

Quant Time: Mar 26 04:27:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	847808	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1357469	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1025095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	473915	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	327517	44.78	ug/l	0.00
Spiked Amount			Recovery	=	89.56%	
35) Dibromofluoromethane	6.94	113	530026	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
50) Toluene-d8	10.42	98	1298280	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	
62) 4-Bromofluorobenzene	13.56	95	463168	47.14	ug/l	0.00
Spiked Amount			Recovery	=	94.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	440385	50.805	ug/l	95
3) Chloromethane	1.77	50	376462	55.674	ug/l	98
4) Vinyl Chloride	1.87	62	331520	52.436	ug/l	97
5) Bromomethane	2.17	94	75684	58.979	ug/l	98
6) Chloroethane	2.29	64	120276	60.470	ug/l	98
7) Trichlorofluoromethane	2.55	101	484540	51.847	ug/l	98
8) Diethyl Ether	2.89	74	144426	51.975	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.17	101	501302	52.701	ug/l	94
10) Methyl Iodide	3.32	142	703310	52.924	ug/l	99
11) Tert butyl alcohol	4.07	59	95671	245.701	ug/l	98
12) 1,1-Dichloroethene	3.15	96	443183	54.146	ug/l	98
13) Acrolein	3.05	56	87860	206.142	ug/l	90
14) Allyl chloride	3.64	41	614198	52.898	ug/l	99
15) Acrylonitrile	4.21	53	335382	244.916	ug/l	97
16) Acetone	3.24	43	499809	285.667	ug/l	93
17) Carbon Disulfide	3.39	76	1401261	51.548	ug/l	99
18) Methyl Acetate	3.65	43	159073	48.100	ug/l	94
19) Methyl tert-butyl Ether	4.25	73	691134	47.947	ug/l	99
20) Methylene Chloride	3.84	84	495493	49.898	ug/l	98
21) trans-1,2-Dichloroethene	4.24	96	459907	50.227	ug/l	96
22) Diisopropyl ether	5.14	45	1291763	52.812	ug/l	99
23) Vinyl Acetate	5.07	43	3260997	249.622	ug/l	99
24) 1,1-Dichloroethane	5.00	63	769486	53.985	ug/l	100
25) 2-Butanone	6.08	43	520542	257.225	ug/l	99
26) 2,2-Dichloropropane	6.04	77	599876	49.564	ug/l	99
27) cis-1,2-Dichloroethene	6.06	96	489263	49.652	ug/l	98
28) Bromochloromethane	6.46	49	286938	48.095	ug/l	93
29) Tetrahydrofuran	6.46	42	255671	253.821	ug/l	100
30) Chloroform	6.68	83	783478	51.582	ug/l	100
31) Cyclohexane	6.97	56	623306	53.878	ug/l	97
32) 1,1,1-Trichloroethane	6.89	97	678320	50.424	ug/l	99
36) 1,1-Dichloropropene	7.16	75	591122	53.224	ug/l	98
37) Ethyl Acetate	6.19	43	227466	49.034	ug/l	96
38) Carbon Tetrachloride	7.12	117	774762	61.035	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	596087	51.822	ug/l	98
40) Benzene	7.47	78	1457783	52.851	ug/l	100
41) Methacrylonitrile	6.46	41	281182	52.161	ug/l	93
42) 1,2-Dichloroethane	7.59	62	442546	51.480	ug/l	98
43) Isopropyl Acetate	9.25	43	349677	52.279	ug/l #	97
44) Trichloroethene	8.55	130	558623	55.999	ug/l	99
45) 1,2-Dichloropropane	8.95	63	373383	54.847	ug/l	99
46) Dibromomethane	9.07	93	248527	53.258	ug/l	94
47) Bromodichloromethane	9.39	83	587172	53.684	ug/l	99
48) Methyl methacrylate	9.12	41	185189	51.873	ug/l	96
49) 1,4-Dioxane	9.08	88	43176	1102.266	ug/l #	96
51) 4-Methyl-2-Pentanone	10.30	43	1064659	267.384	ug/l	99
52) Toluene	10.52	92	982733	58.228	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	516179	54.304	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	637922	54.960	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	294227	52.510	ug/l	99
56) Ethyl methacrylate	11.05	69	320918	53.673	ug/l	98
57) 1,3-Dichloropropane	11.42	76	463873	54.816	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	747721	240.380	ug/l	97
59) 2-Hexanone	11.53	43	814734	281.728	ug/l	99
60) Dibromochloromethane	11.69	129	468174	53.347	ug/l	95
61) 1,2-Dibromoethane	11.81	107	348457	53.225	ug/l	99
64) Tetrachloroethene	11.27	164	400312	56.689	ug/l	97
65) Chlorobenzene	12.40	112	1031077	54.608	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	416015	56.830	ug/l	97
67) Ethyl Benzene	12.53	91	1692044	58.556	ug/l	99
68) m/p-Xylenes	12.68	106	1212515	107.496	ug/l	97
69) o-Xylene	13.05	106	596950	57.062	ug/l	98
70) Styrene	13.08	104	1019939	57.447	ug/l	97
71) Bromoform	13.24	173	243449	54.346	ug/l	99
73) Isopropylbenzene	13.41	105	1681953	54.565	ug/l	98
74) N-amyl acetate	13.27	43	425291	52.736	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	316271	52.910	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	317999	53.956	ug/l	100
77) Bromobenzene	13.67	156	482337	56.019	ug/l	90
78) n-propylbenzene	13.78	91	1957797	56.297	ug/l	96
79) 2-Chlorotoluene	13.85	91	1145911	56.593	ug/l	95
80) 1,3,5-Trimethylbenzene	14.24	105	1270319	52.240	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	99984	53.755	ug/l	100
82) 4-Chlorotoluene	13.96	91	1204590	54.418	ug/l	93
83) tert-Butylbenzene	14.19	119	1543697	55.600	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	1270319	52.240	ug/l	98
85) sec-Butylbenzene	14.37	105	1715538	55.482	ug/l	97
86) p-Isopropyltoluene	14.50	119	1475230	53.478	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	803112	52.622	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	789467	53.401	ug/l	98
89) n-Butylbenzene	14.80	91	1270658	51.882	ug/l	97
90) Hexachloroethane	15.01	117	419096	56.664	ug/l	89
91) 1,2-Dichlorobenzene	14.81	146	640461	52.592	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	40569	54.313	ug/l	82

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QLast Update : Tue Mar 26 03:31:57 2019
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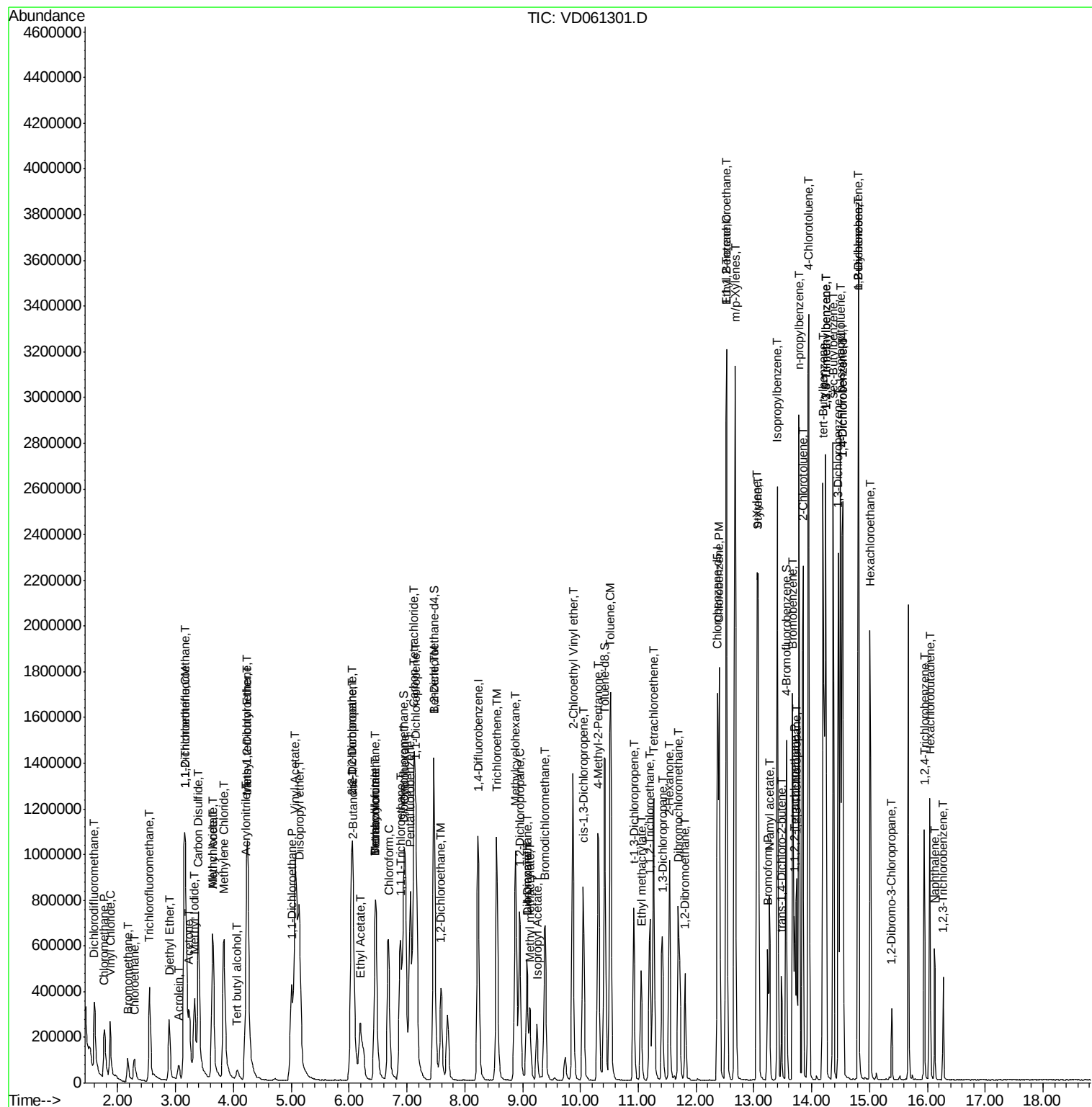
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	273861	48.693	ug/l	98
94) Hexachlorobutadiene	16.04	225	218104	48.128	ug/l	99
95) Naphthalene	16.12	128	394657	48.092	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	115830	44.095	ug/l	98

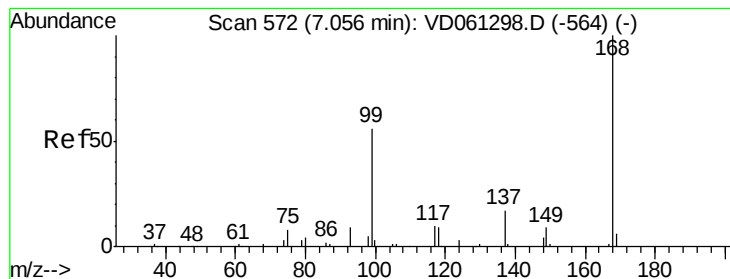
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

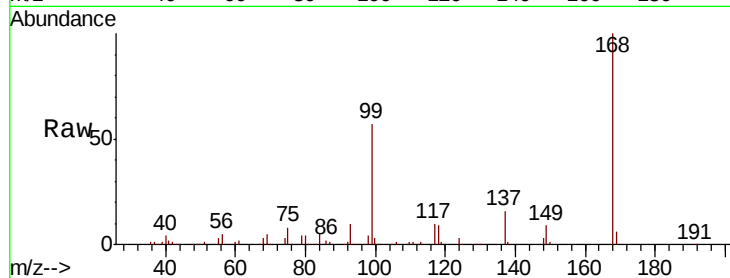
ICVVD032519

Tot Ion:168 Resp: 847808

Ion Ratio Lower Upper

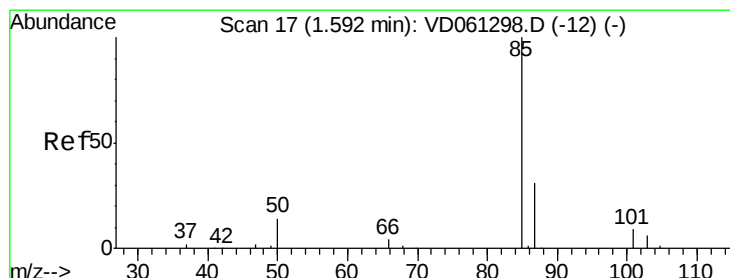
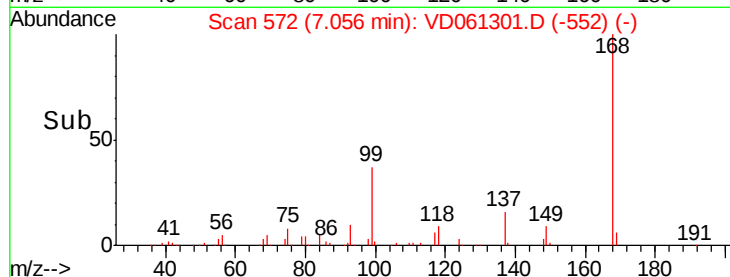
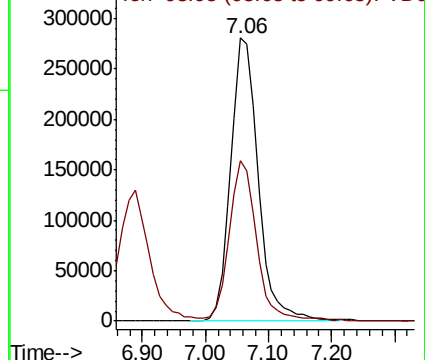
168 100

99 56.8 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 50.805 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.00 min

Lab File: VD061301.D

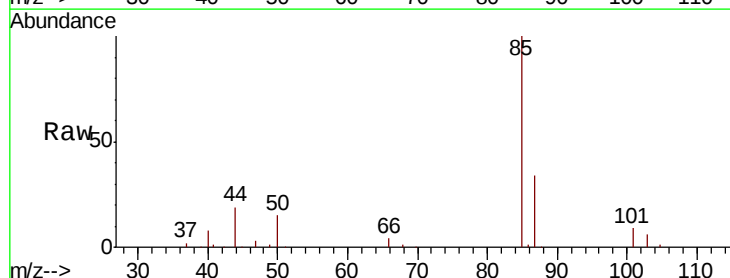
Acq: 25 Mar 2019 13:57

Tgt Ion: 85 Resp: 440385

Ion Ratio Lower Upper

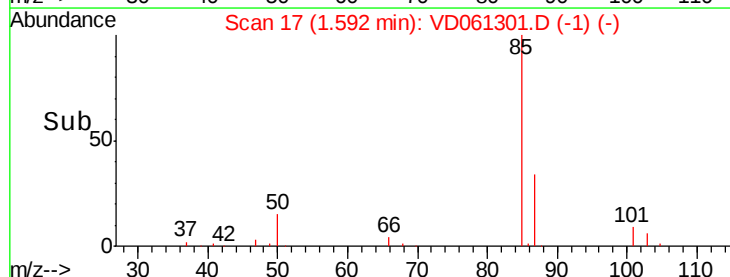
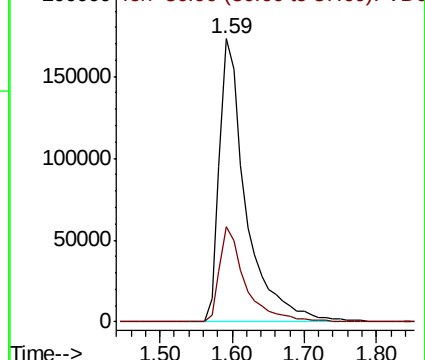
85 100

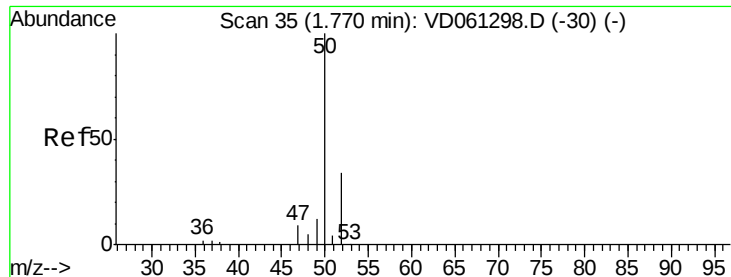
87 33.6 15.4 46.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 55.674 ug/l

RT: 1.77 min Scan# 35

Delta R.T. -0.00 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

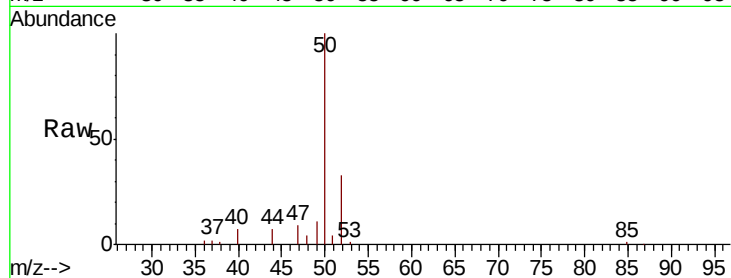
ICVVD032519

Tot Ion: 50 Resp: 376462

Ion Ratio Lower Upper

50 100

52 32.7 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.77

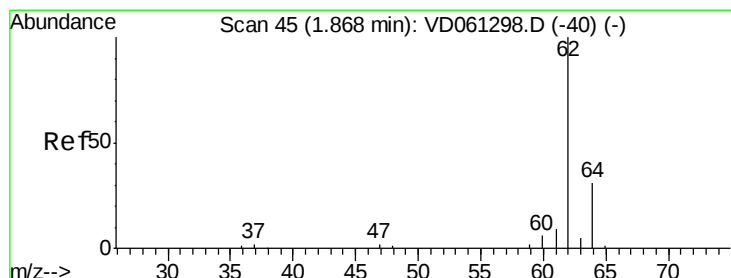
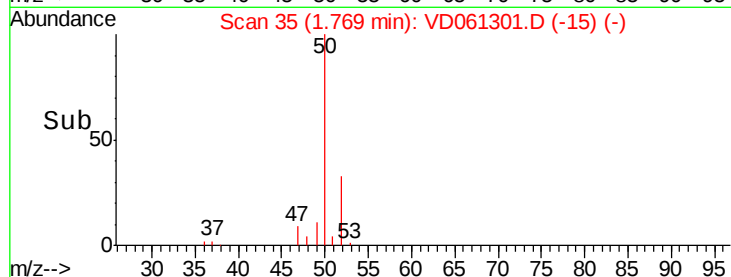
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 52.436 ug/l

RT: 1.87 min Scan# 45

Delta R.T. -0.00 min

Lab File: VD061301.D

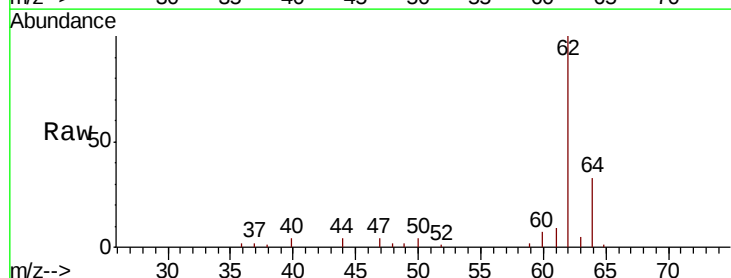
Acq: 25 Mar 2019 13:57

Tgt Ion: 62 Resp: 331520

Ion Ratio Lower Upper

62 100

64 33.2 25.1 37.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.87

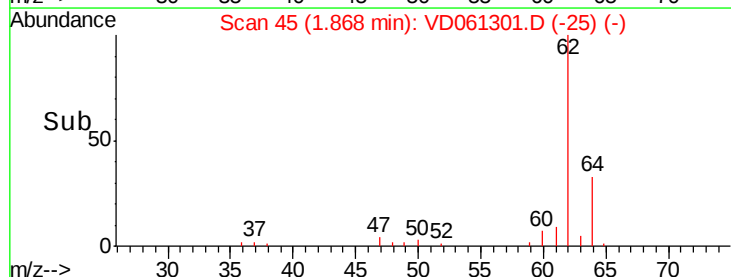
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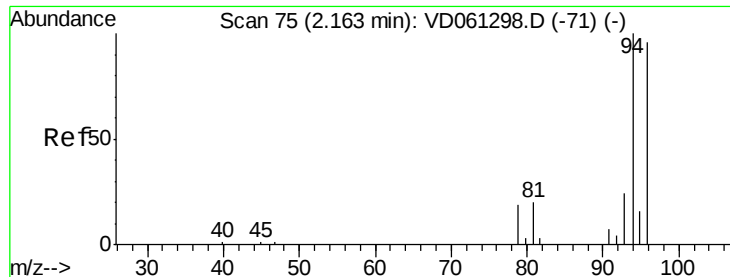
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Time-->

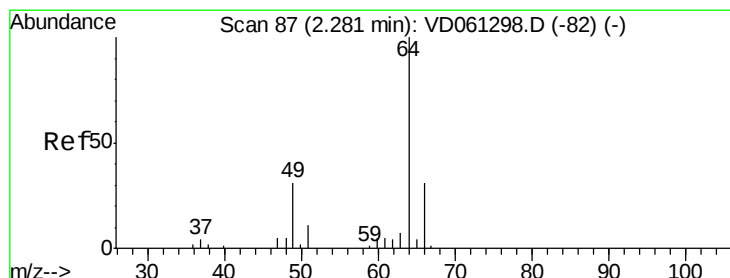
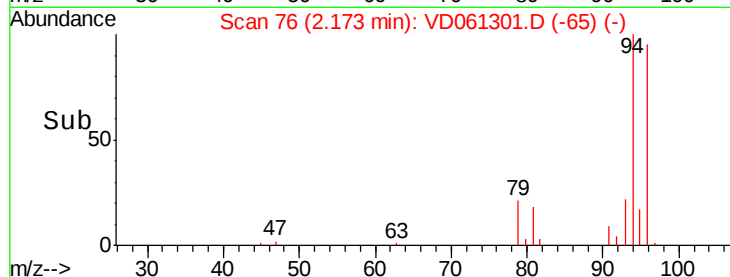
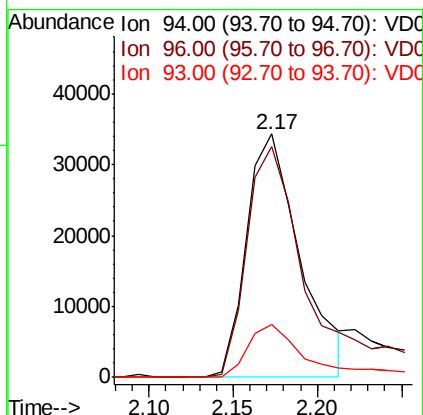
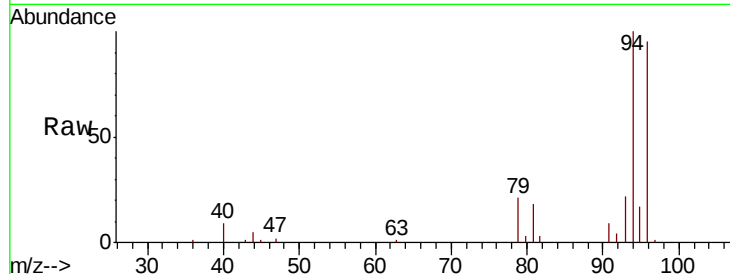




#5
Bromomethane
Concen: 58.979 ug/l
RT: 2.17 min Scan# 76
Delta R.T. 0.01 min
Lab File: VD061301.D
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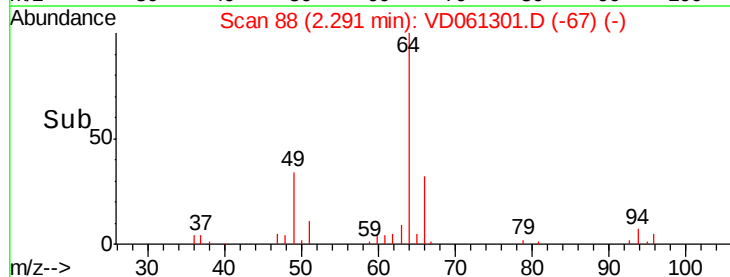
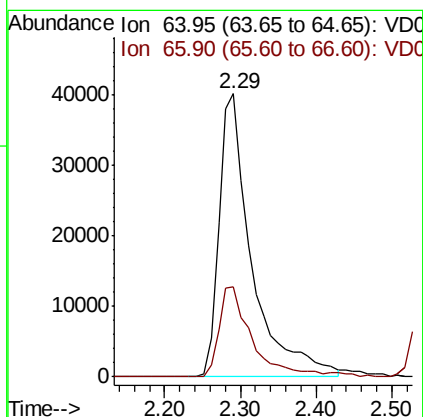
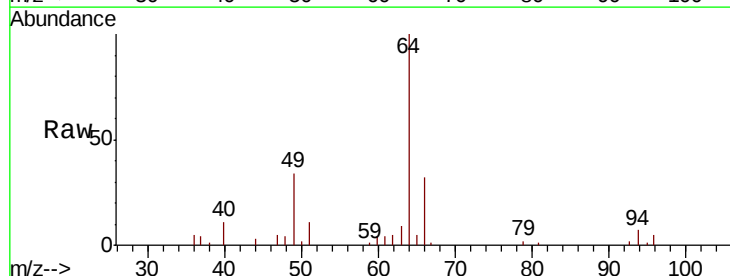
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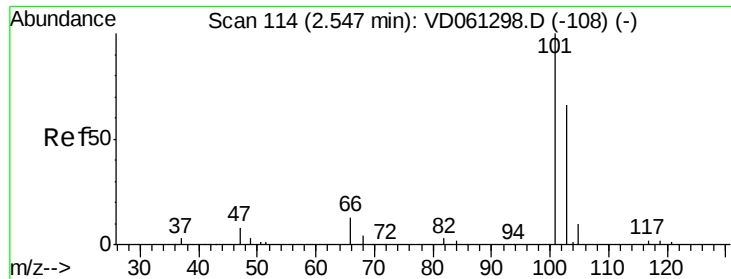
Tot Ion: 94 Resp: 75684
Ion Ratio Lower Upper
94 100
96 94.9 76.9 115.3
93 21.7 18.8 28.2



#6
Chloroethane
Concen: 60.470 ug/l
RT: 2.29 min Scan# 88
Delta R.T. 0.01 min
Lab File: VD061301.D
Acq: 25 Mar 2019 13:57

Tgt Ion: 64 Resp: 120276
Ion Ratio Lower Upper
64 100
66 31.9 24.6 36.8



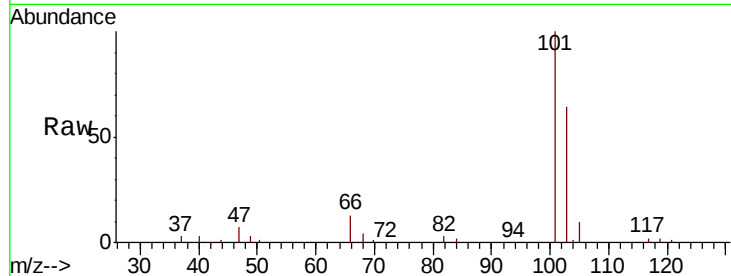


#7

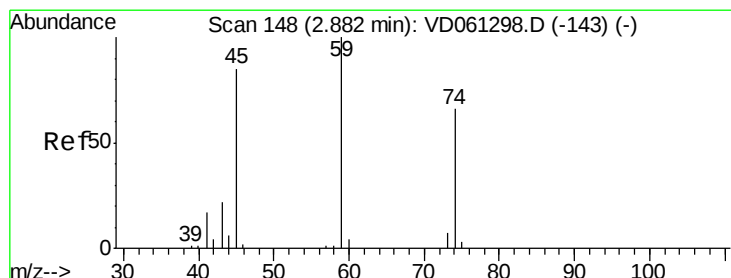
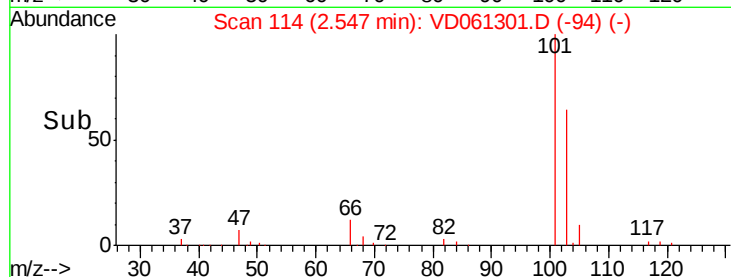
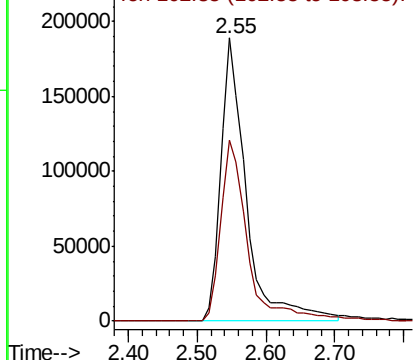
Trichlorofluoromethane
 Concen: 51.847 ug/l
 RT: 2.55 min Scan# 114
 Delta R.T. -0.00 min
 Lab File: VD061301.D
 Acq: 25 Mar 2019 13:57

Instrument :
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Tot Ion:101 Resp: 484540
 Ion Ratio Lower Upper
 101 100
 103 64.0 52.6 79.0



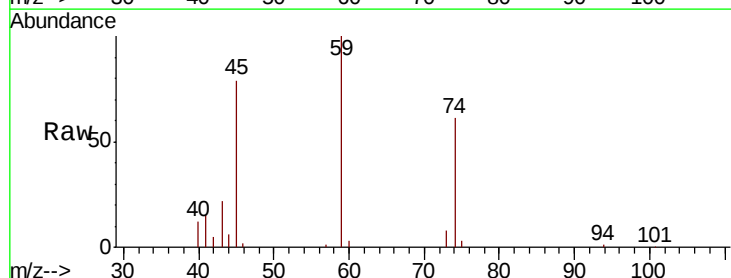
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



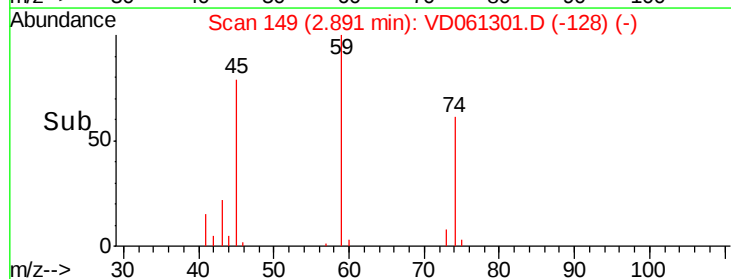
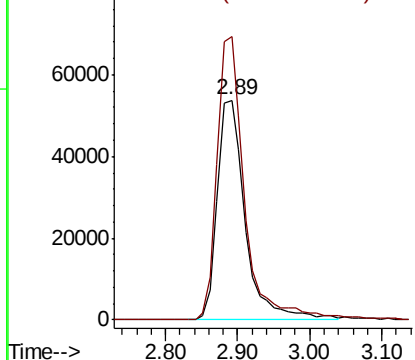
#8

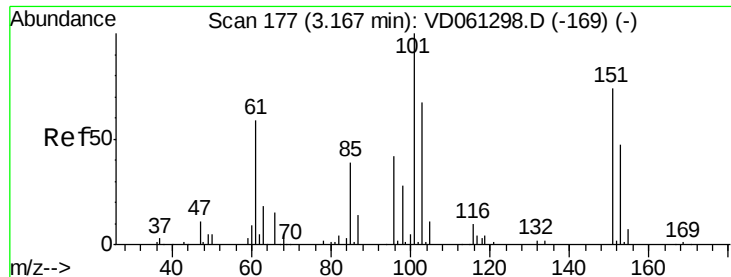
Diethyl Ether
 Concen: 51.975 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.01 min
 Lab File: VD061301.D
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Tgt Ion: 74 Resp: 144426
 Ion Ratio Lower Upper
 74 100
 45 128.7 64.3 192.9



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.701 ug/l

RT: 3.17 min Scan# 177

Delta R.T. -0.00 min

Lab File: VD061301.D

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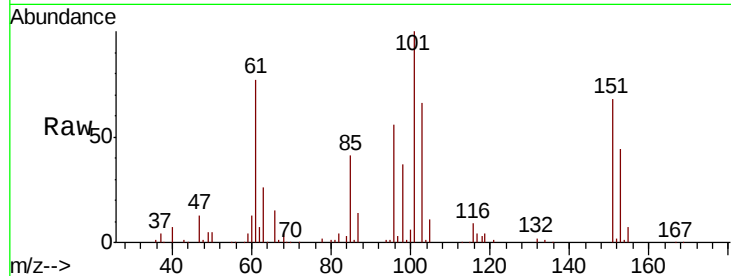
Tot Ion:101 Resp: 501302

Ion Ratio Lower Upper

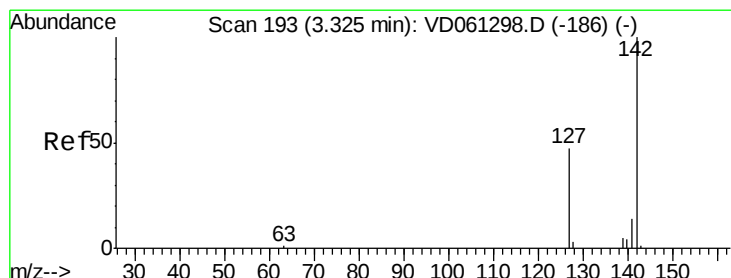
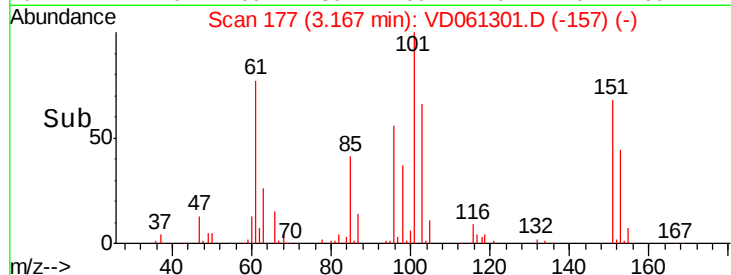
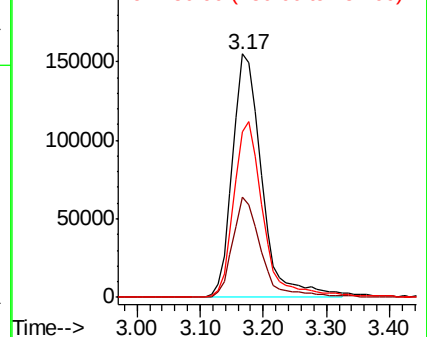
101 100

85 40.9 31.6 47.4

151 67.9 59.3 88.9



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



#10

Methyl Iodide

Concen: 52.924 ug/l

RT: 3.32 min Scan# 193

Delta R.T. -0.00 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

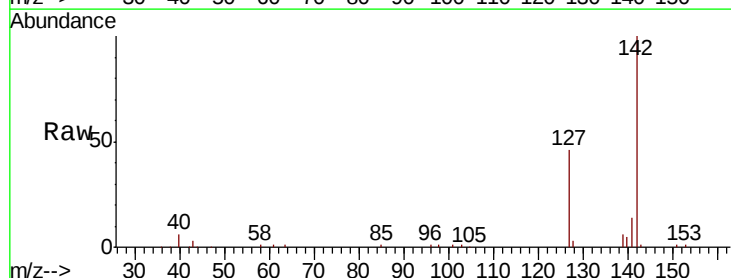
Tgt Ion:142 Resp: 703310

Ion Ratio Lower Upper

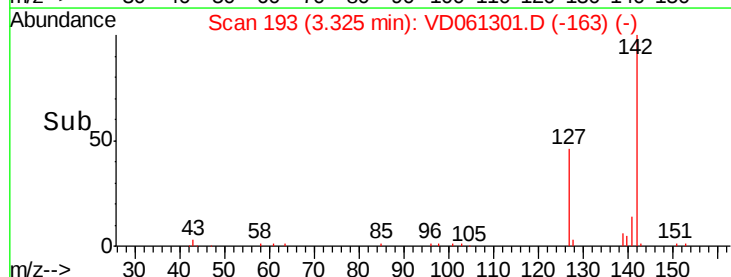
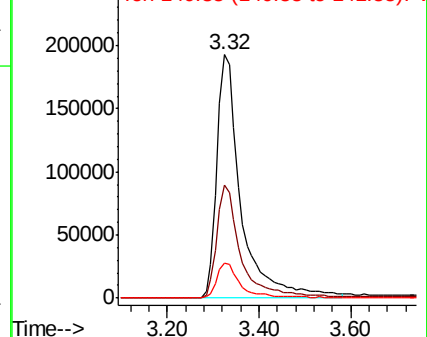
142 100

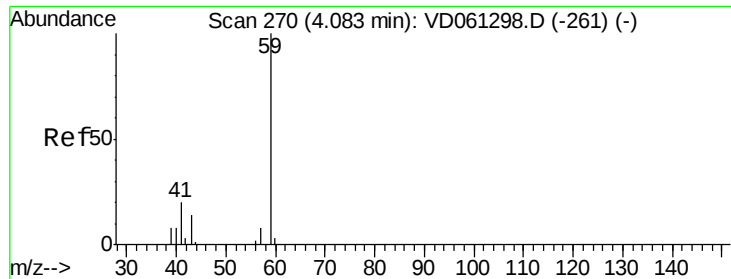
127 46.4 37.8 56.6

141 14.3 11.6 17.4



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



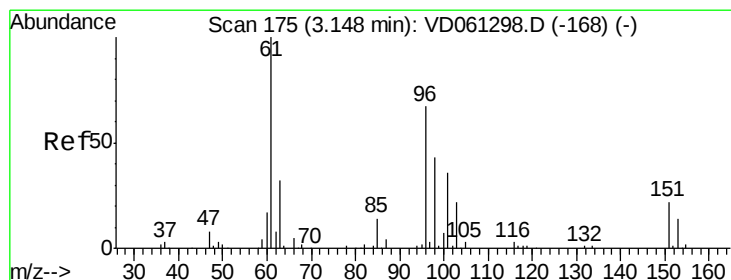
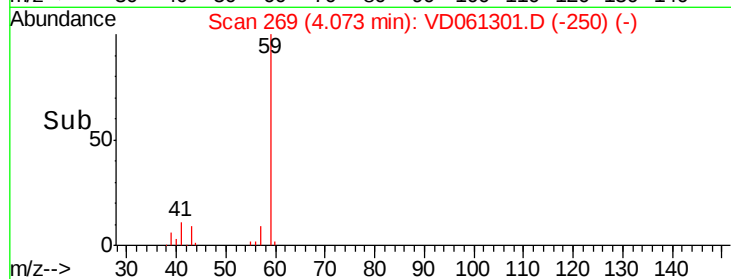
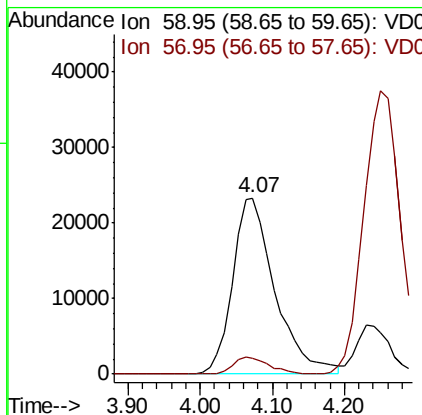
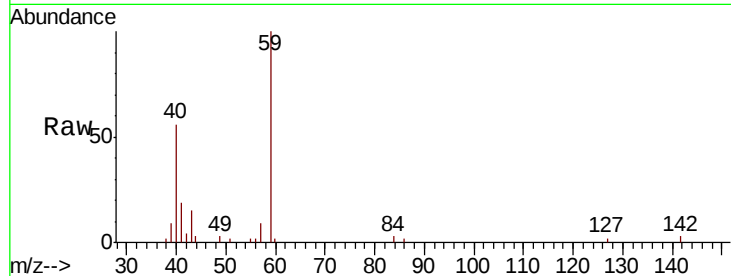


#11

Tert butyl alcohol
Concen: 245.701 ug/l
RT: 4.07 min Scan# 269
Delta R.T. -0.01 min
Lab File: VD061301.D
Acq: 25 Mar 2019 13:57

Instrument :
MSVOA_D
ClientSampleId :
ICVVD032519

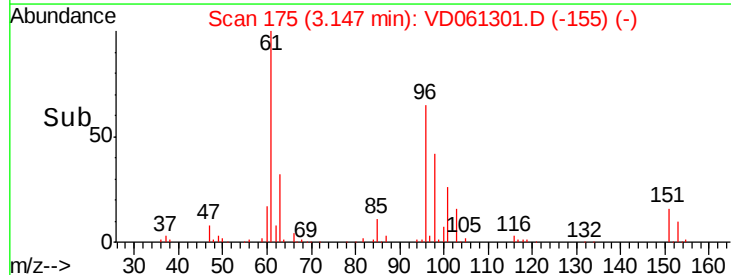
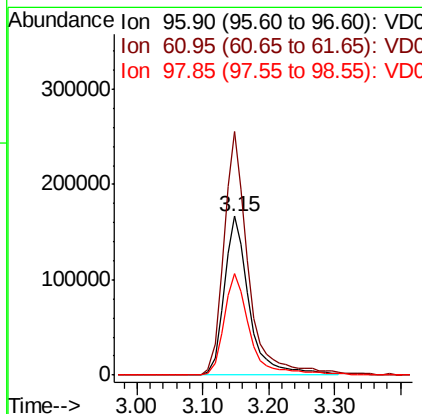
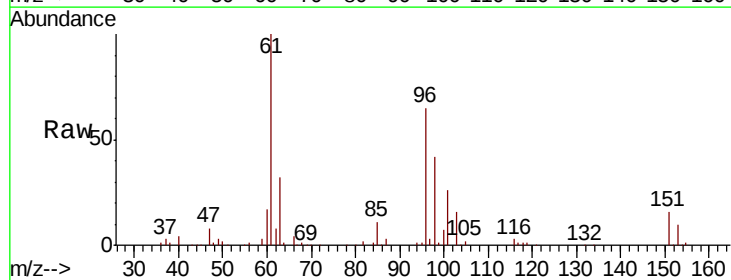
Tot Ion: 59 Resp: 95671
Ion Ratio Lower Upper
59 100
57 8.9 6.6 9.8

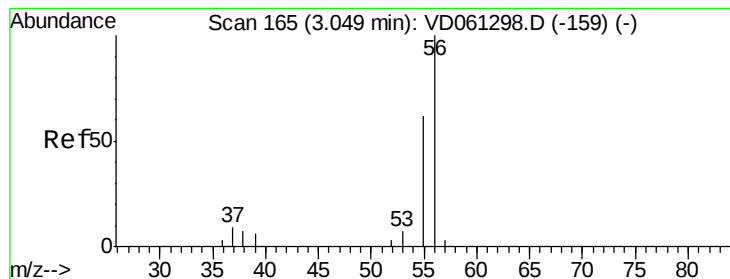


#12

1,1-Dichloroethene
Concen: 54.146 ug/l
RT: 3.15 min Scan# 175
Delta R.T. -0.00 min
Lab File: VD061301.D
Acq: 25 Mar 2019 13:57

Tgt Ion: 96 Resp: 443183
Ion Ratio Lower Upper
96 100
61 153.0 120.2 180.2
98 63.7 52.2 78.4





#13

Acrolein

Concen: 206.142 ug/l

RT: 3.05 min Scan# 165

Delta R.T. -0.00 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

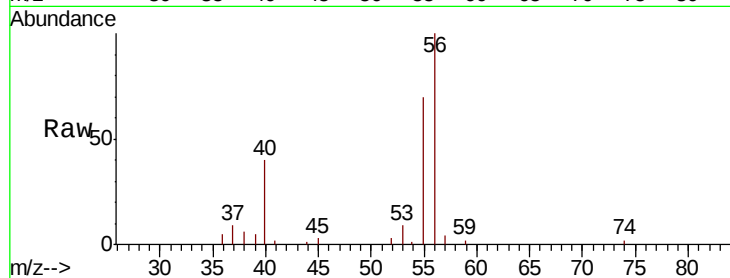
ICVVD032519

Tot Ion: 56 Resp: 87860

Ion Ratio Lower Upper

56 100

55 70.1 49.8 74.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.05

30000

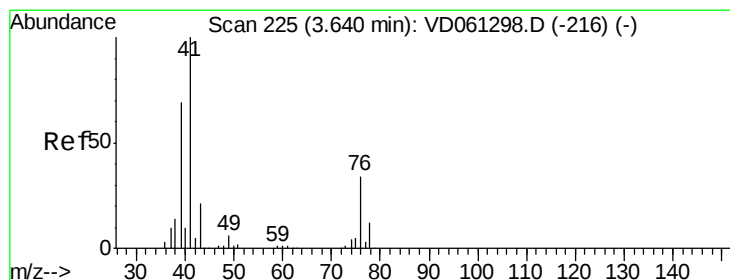
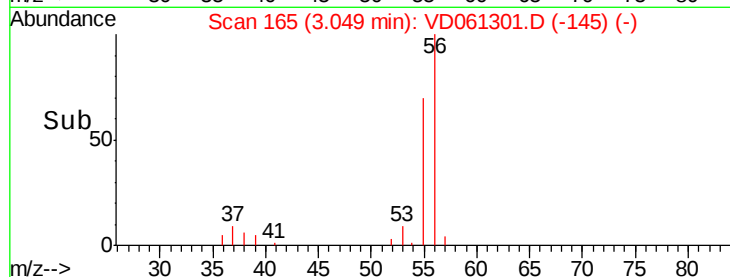
20000

10000

0

Time-->

3.00 3.10 3.20



#14

Allyl chloride

Concen: 52.898 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

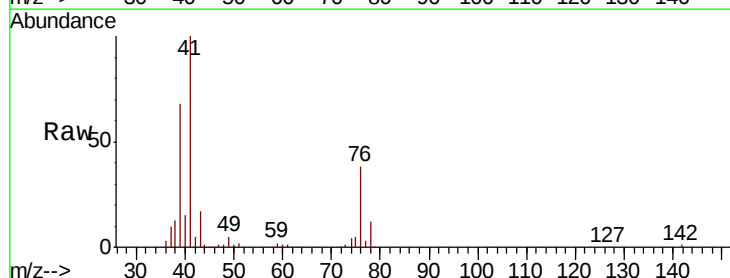
Tgt Ion: 41 Resp: 614198

Ion Ratio Lower Upper

41 100

39 67.6 55.1 82.7

76 37.7 30.2 45.2



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

3.64

250000

200000

150000

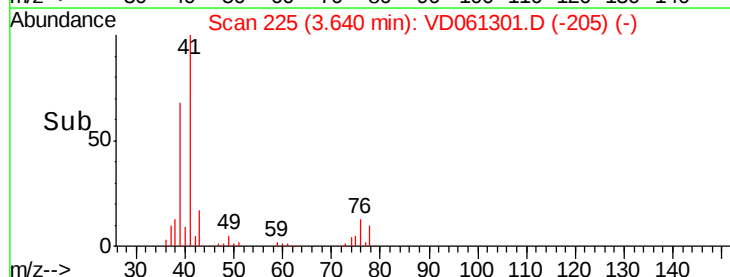
100000

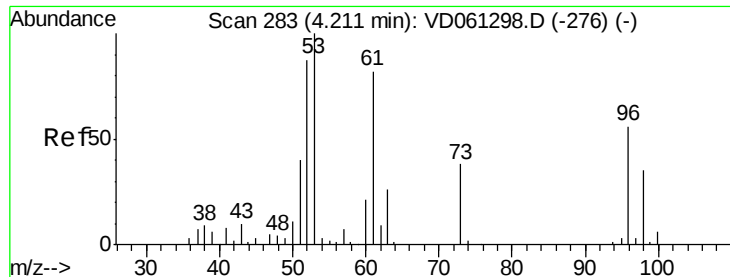
50000

0

Time-->

3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 244.916 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.00 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

ICVVD032519

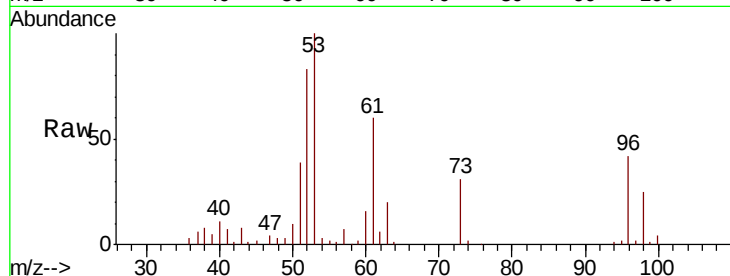
Tot Ion: 53 Resp: 335382

Ion Ratio Lower Upper

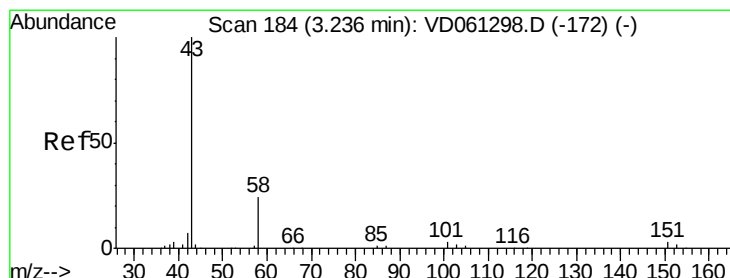
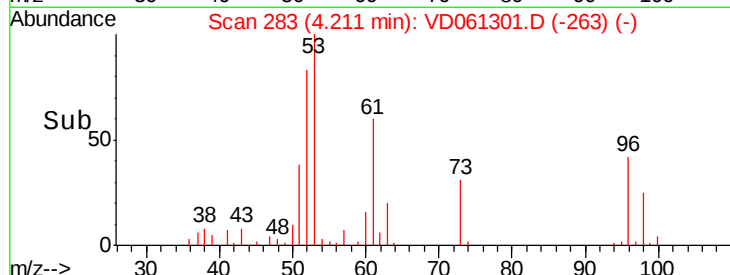
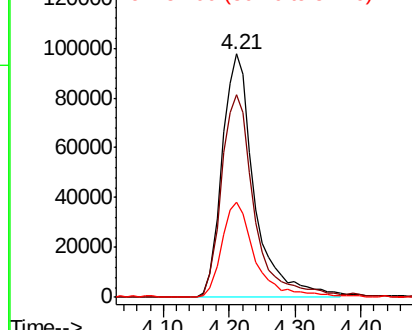
53 100

52 83.4 69.4 104.2

51 39.1 31.7 47.5



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



#16

Acetone

Concen: 285.667 ug/l

RT: 3.24 min Scan# 184

Delta R.T. -0.00 min

Lab File: VD061301.D

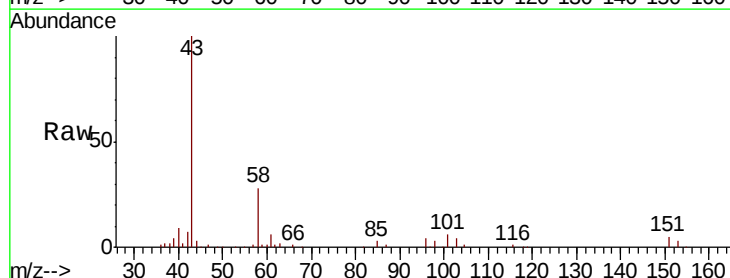
Acq: 25 Mar 2019 13:57

Tgt Ion: 43 Resp: 499809

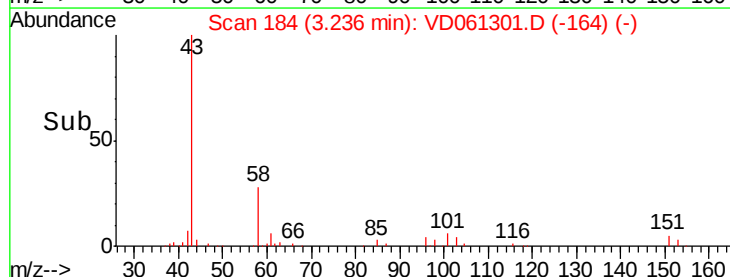
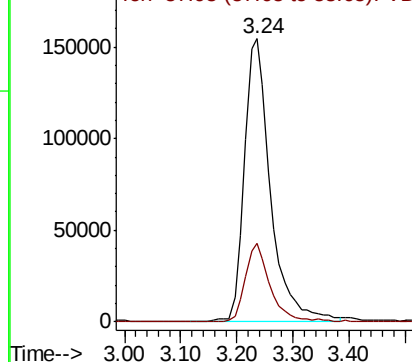
Ion Ratio Lower Upper

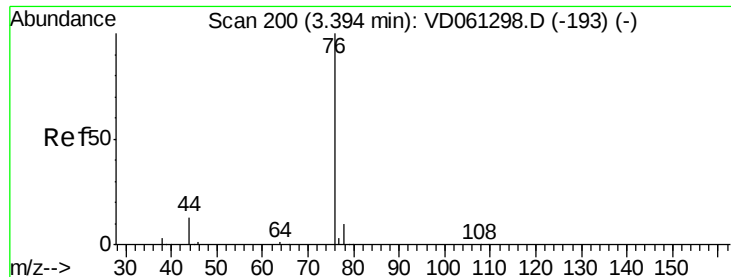
43 100

58 27.7 19.4 29.0



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

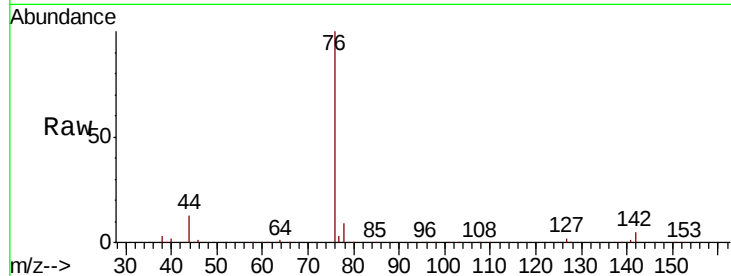




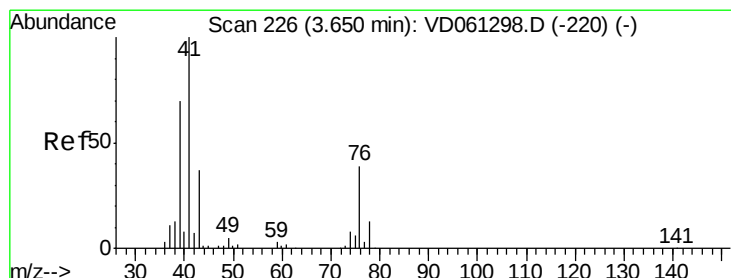
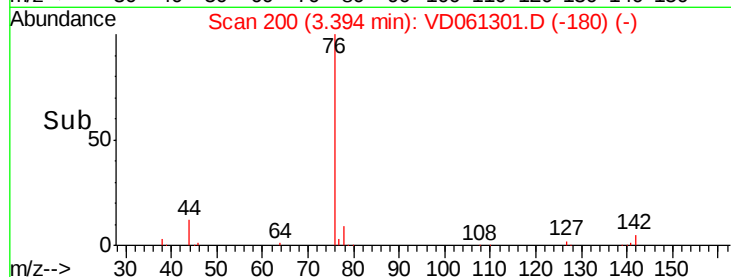
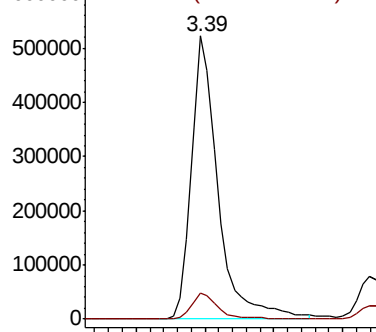
#17
Carbon Disulfide
Concen: 51.548 ug/l
RT: 3.39 min Scan# 200
Delta R.T. -0.00 min
Lab File: VD061301.D
Acq: 25 Mar 2019 13:57

Instrument :
MSVOA_D
ClientSampleId :
ICVVD032519

Tot Ion: 76 Resp: 1401261
Ion Ratio Lower Upper
76 100
78 9.3 7.8 11.6

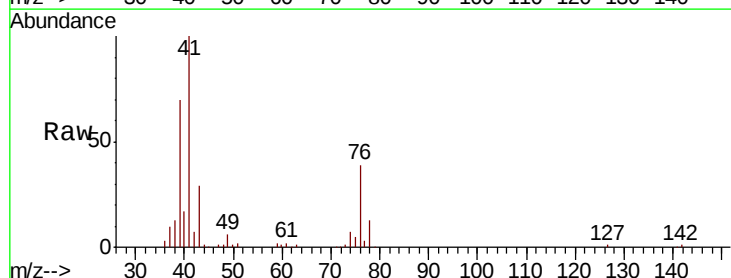


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

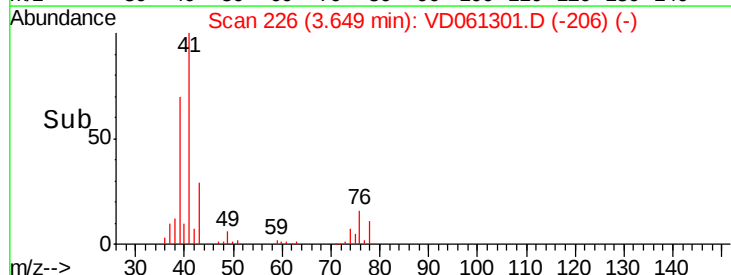
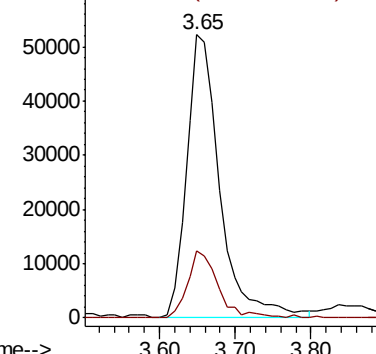


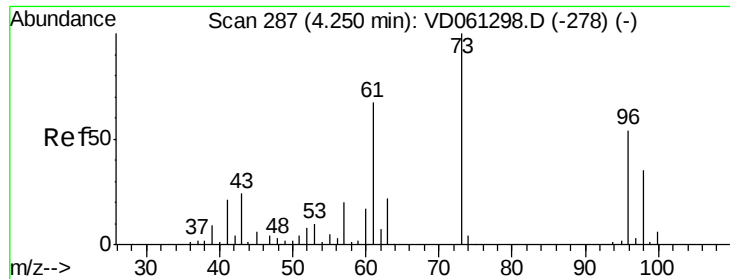
#18
Methyl Acetate
Concen: 48.100 ug/l
RT: 3.65 min Scan# 226
Delta R.T. -0.00 min
Lab File: VD061301.D
Acq: 25 Mar 2019 13:57

Tgt Ion: 43 Resp: 159073
Ion Ratio Lower Upper
43 100
74 23.5 16.6 25.0



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

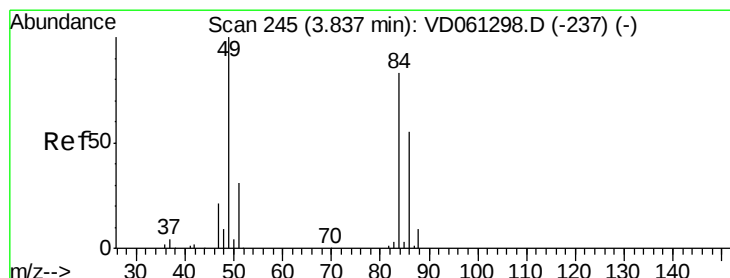
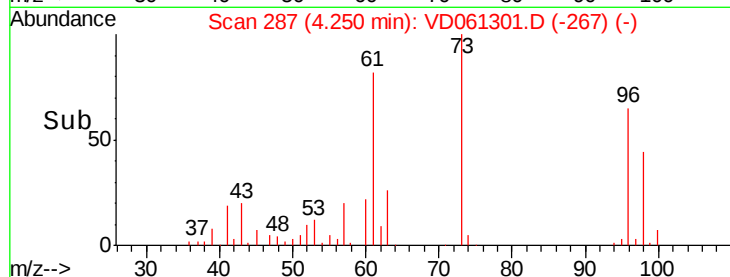
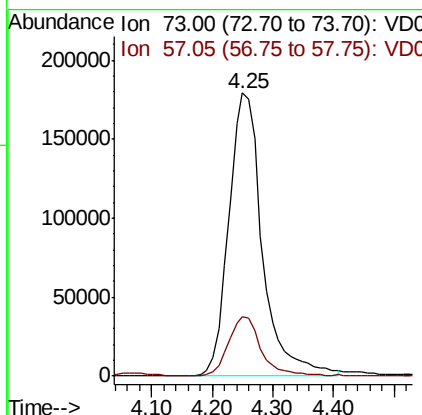
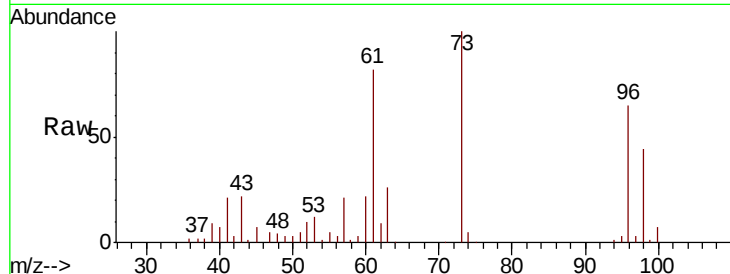




#19
Methyl tert-butyl Ether
Concen: 47.947 ug/l
RT: 4.25 min Scan# 287
Delta R.T. -0.00 min
Lab File: VD061301.D
Acq: 25 Mar 2019 13:57

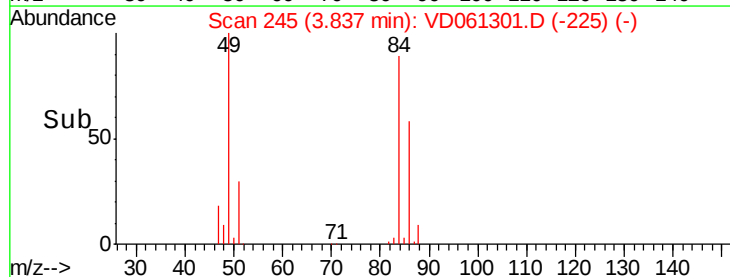
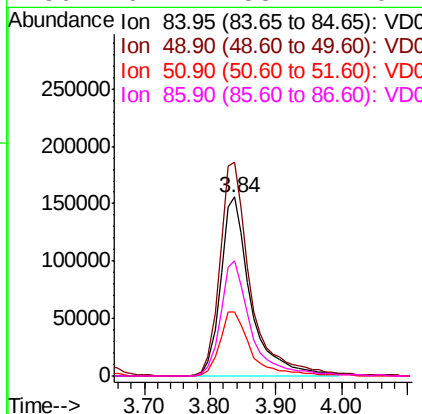
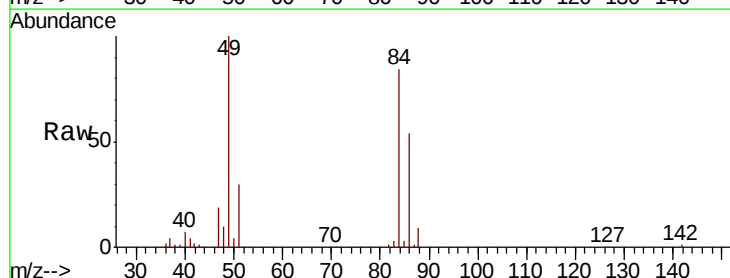
Instrument :
MSVOA_D
ClientSampleId :
ICVVD032519

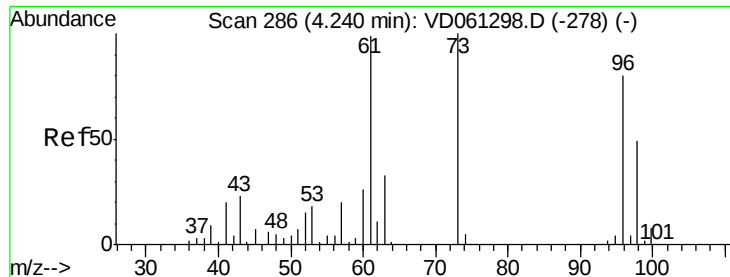
Tot Ion: 73 Resp: 691134
Ion Ratio Lower Upper
73 100
57 20.9 16.3 24.5



#20
Methylene Chloride
Concen: 49.898 ug/l
RT: 3.84 min Scan# 245
Delta R.T. -0.00 min
Lab File: VD061301.D
Acq: 25 Mar 2019 13:57

Tgt Ion: 84 Resp: 495493
Ion Ratio Lower Upper
84 100
49 119.4 96.8 145.2
51 35.9 29.9 44.9
86 64.7 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 50.227 ug/l

RT: 4.24 min Scan# 286

Delta R.T. -0.00 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

ICVVD032519

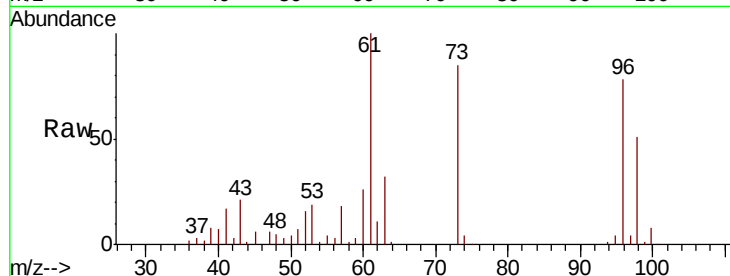
Tot Ion: 96 Resp: 459907

Ion Ratio Lower Upper

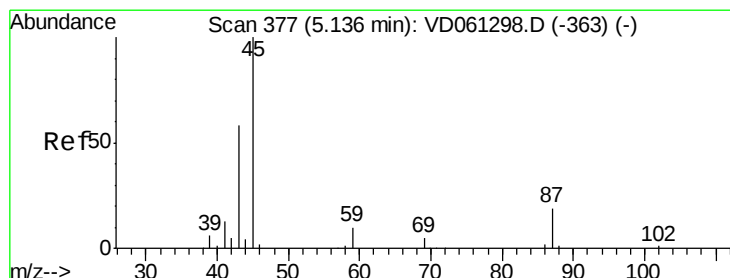
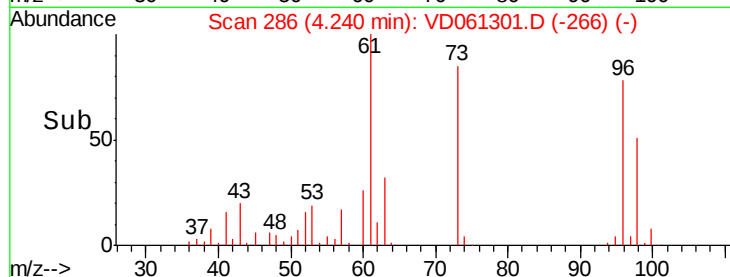
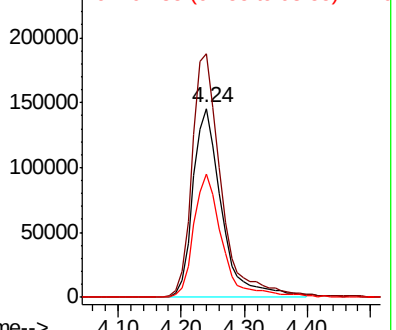
96 100

61 128.7 99.2 148.8

98 65.4 49.2 73.8



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



#22

Diisopropyl ether

Concen: 52.812 ug/l

RT: 5.14 min Scan# 377

Delta R.T. -0.00 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

Tgt Ion: 45 Resp: 1291763

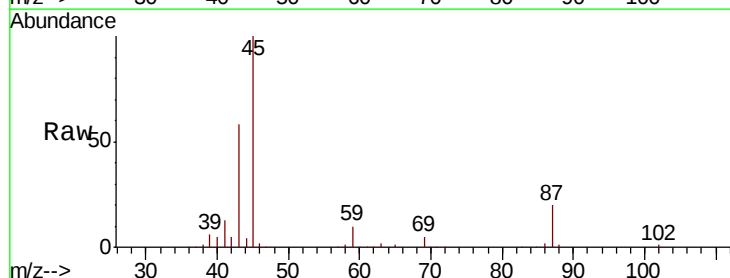
Ion Ratio Lower Upper

45 100

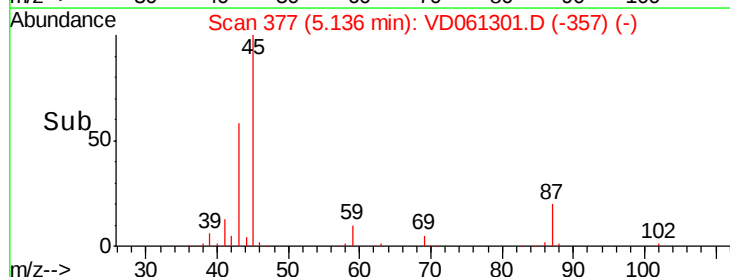
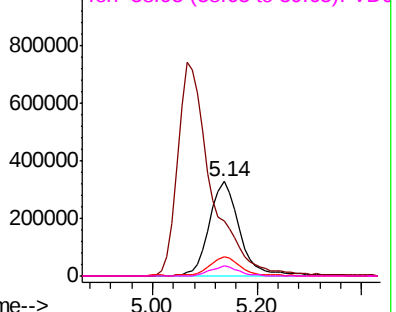
43 57.9 46.7 70.1

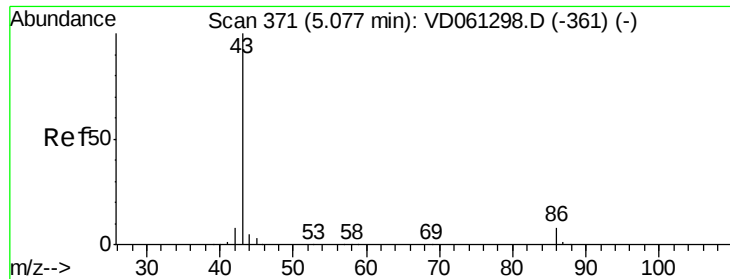
87 20.0 15.5 23.3

59 10.2 8.4 12.6



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

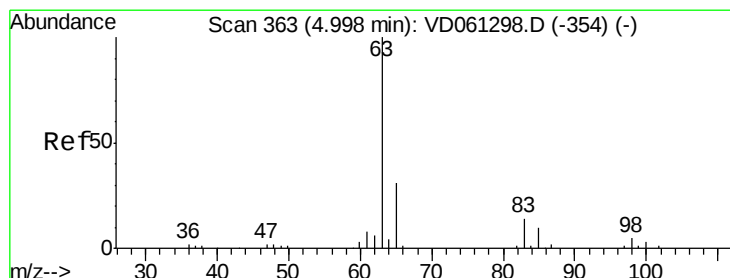
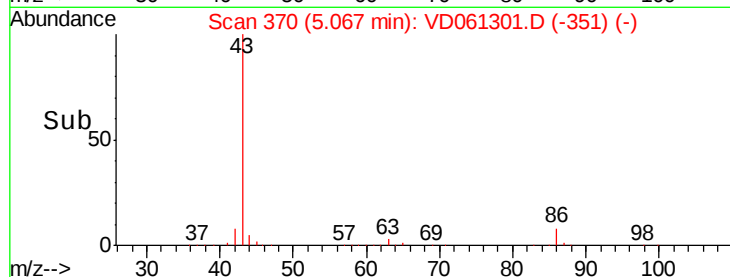
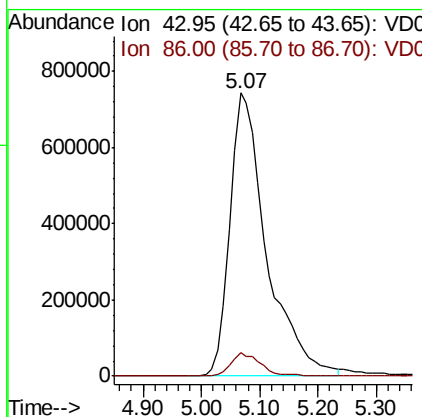
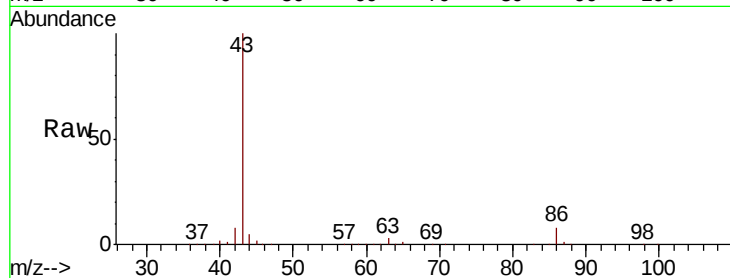




#23
 Vinyl Acetate
 Concen: 249.622 ug/l
 RT: 5.07 min Scan# 370
 Delta R.T. -0.01 min
 Lab File: VD061301.D
 Acq: 25 Mar 2019 13:57

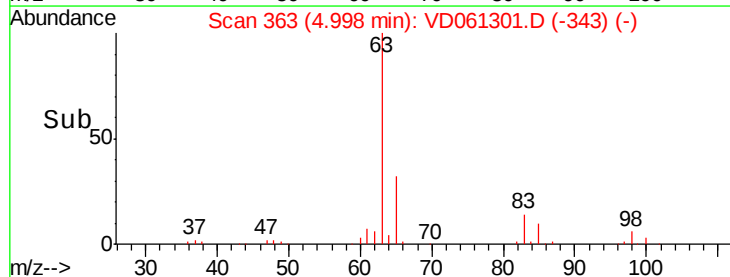
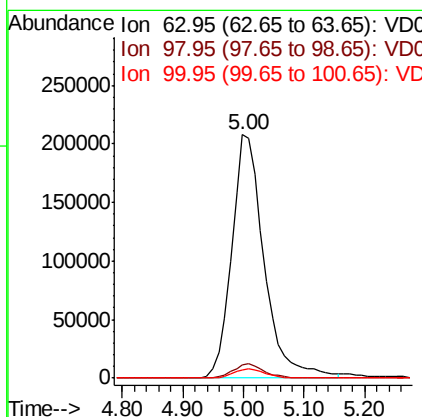
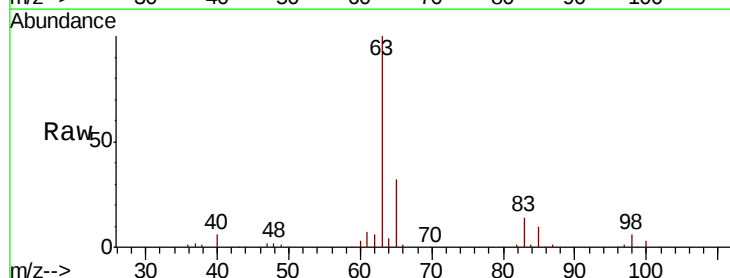
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD032519

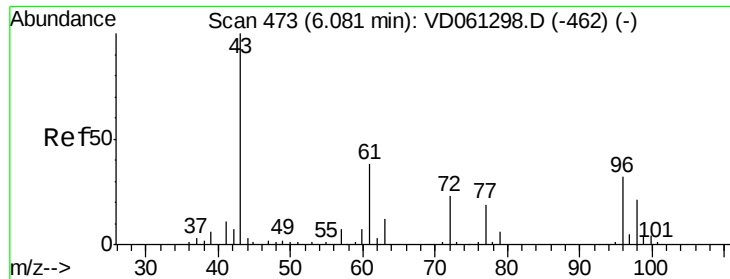
Tot Ion: 43 Resp: 3260997
 Ion Ratio Lower Upper
 43 100
 86 8.4 6.3 9.5



#24
 1,1-Dichloroethane
 Concen: 53.985 ug/l
 RT: 5.00 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VD061301.D
 Acq: 25 Mar 2019 13:57

Tgt Ion: 63 Resp: 769486
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.8 8.3
 100 3.5 1.6 4.8





#25

2-Butanone

Concen: 257.225 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.00 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

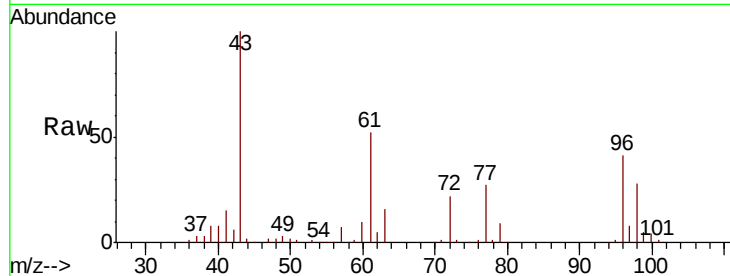
ICVVD032519

Tot Ion: 43 Resp: 520542

Ion Ratio Lower Upper

43 100

72 22.4 18.5 27.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

200000

150000

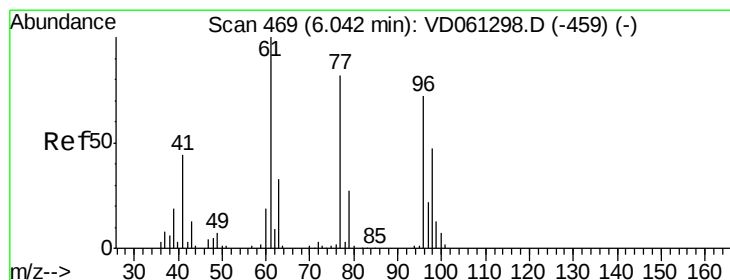
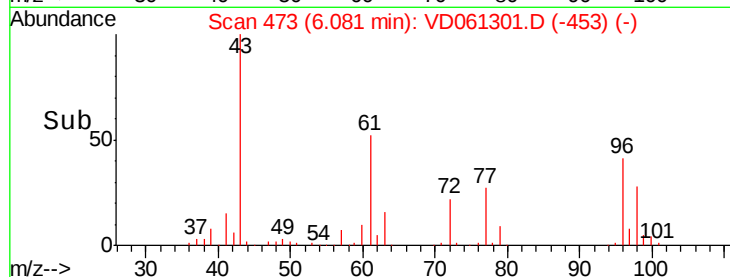
100000

50000

0

6.00 6.10

Time-->



#26

2,2-Dichloropropane

Concen: 49.564 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD061301.D

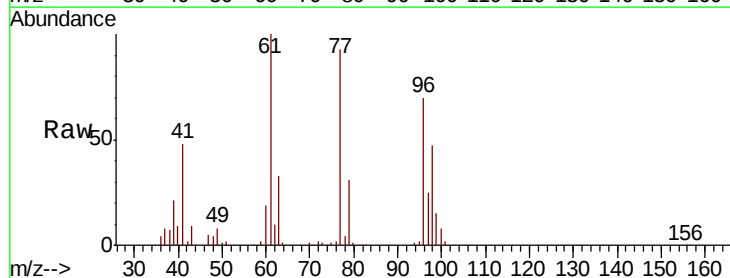
Acq: 25 Mar 2019 13:57

Tgt Ion: 77 Resp: 599876

Ion Ratio Lower Upper

77 100

97 26.7 13.5 40.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

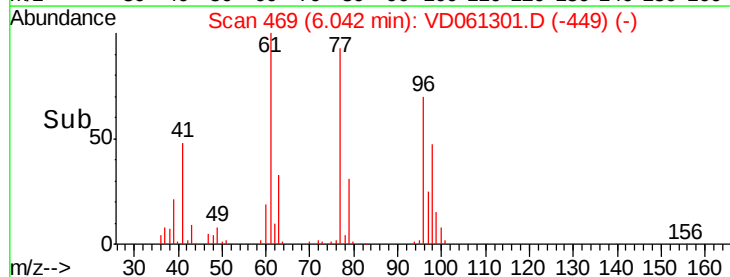
100000

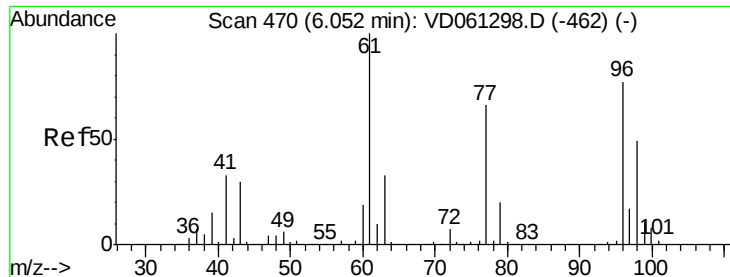
50000

0

5.90 6.00 6.10 6.20

Time-->



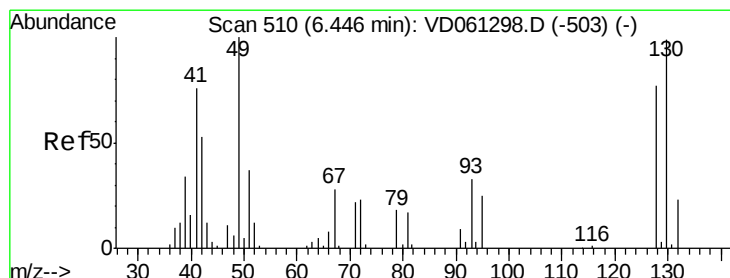
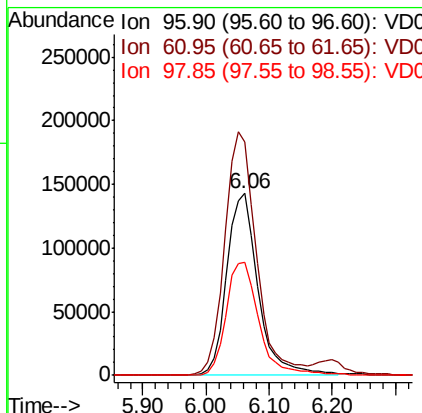
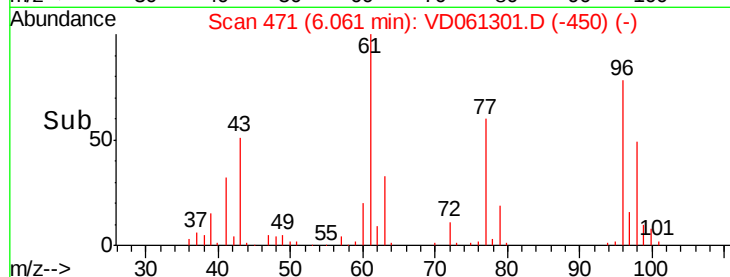
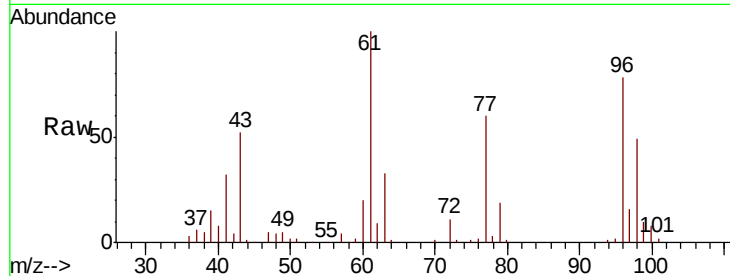


#27

cis-1,2-Dichloroethene
 Concen: 49.652 ug/l
 RT: 6.06 min Scan# 471
 Delta R.T. 0.01 min
 Lab File: VD061301.D
 Acq: 25 Mar 2019 13:57

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD032519

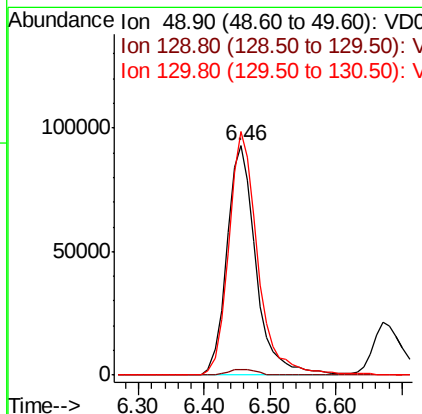
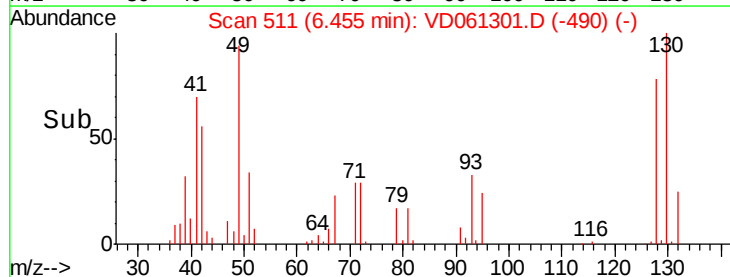
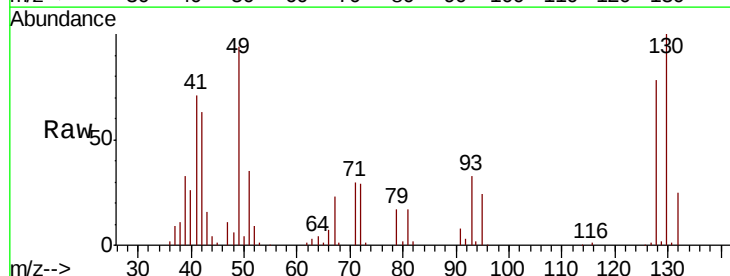
Tot Ion: 96 Resp: 489263
 Ion Ratio Lower Upper
 96 100
 61 128.1 0.0 261.0
 98 62.3 0.0 127.6

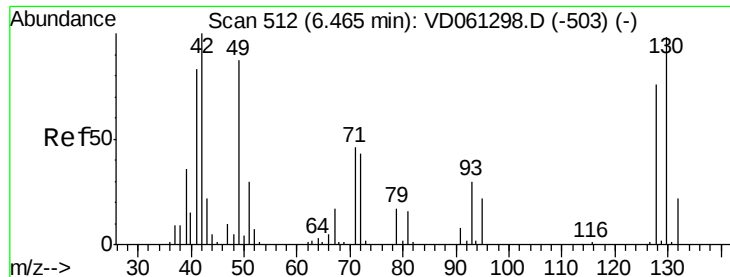


#28

Bromochloromethane
 Concen: 48.095 ug/l
 RT: 6.46 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VD061301.D
 Acq: 25 Mar 2019 13:57

Tgt Ion: 49 Resp: 286938
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 5.2
 130 106.3 79.0 118.6





#29

Tetrahydrofuran

Concen: 253.821 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

ICVVD032519

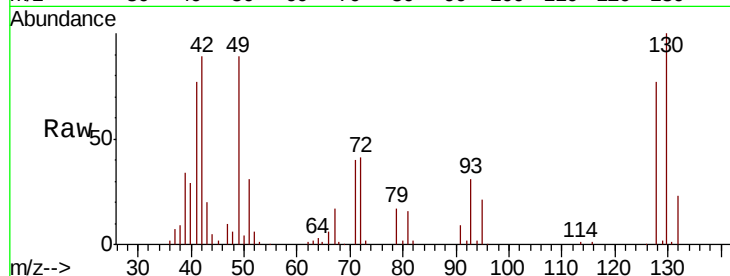
Tot Ion: 42 Resp: 255671

Ion Ratio Lower Upper

42 100

72 46.1 36.6 54.8

71 45.5 36.3 54.5

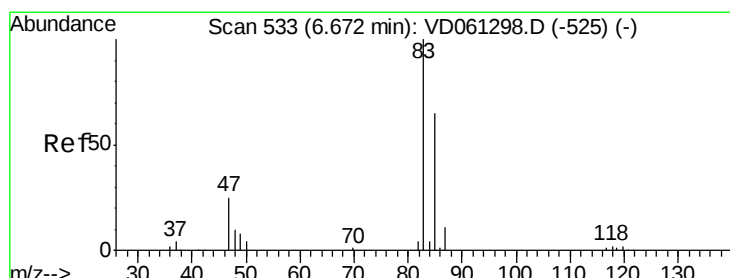
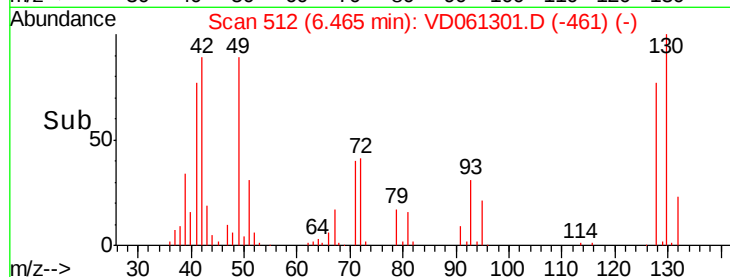
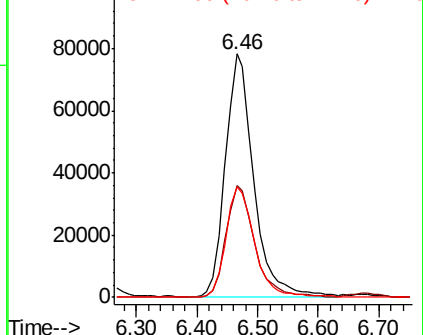


Abundance

Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 51.582 ug/l

RT: 6.68 min Scan# 534

Delta R.T. 0.01 min

Lab File: VD061301.D

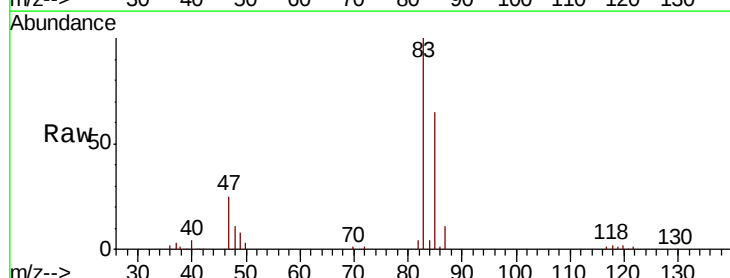
Acq: 25 Mar 2019 13:57

Tgt Ion: 83 Resp: 783478

Ion Ratio Lower Upper

83 100

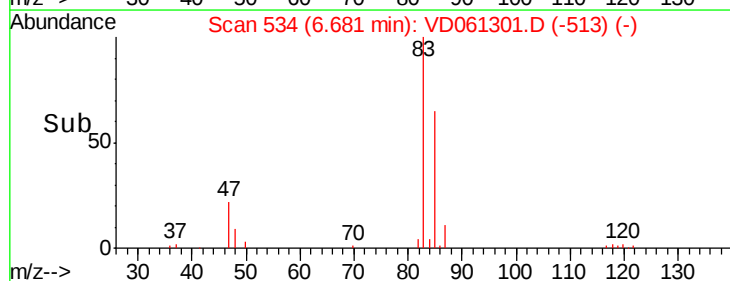
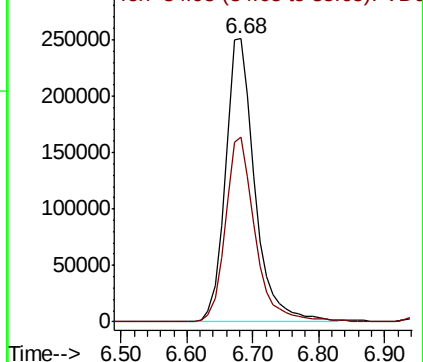
85 65.1 52.2 78.2

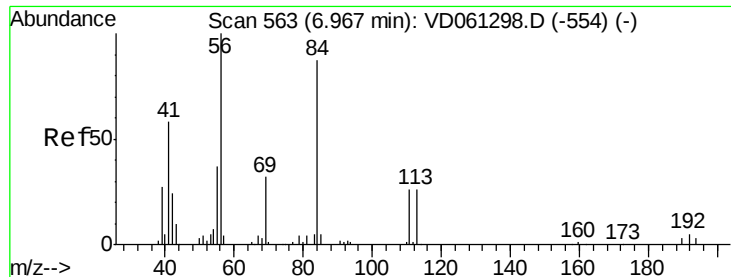


Abundance

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

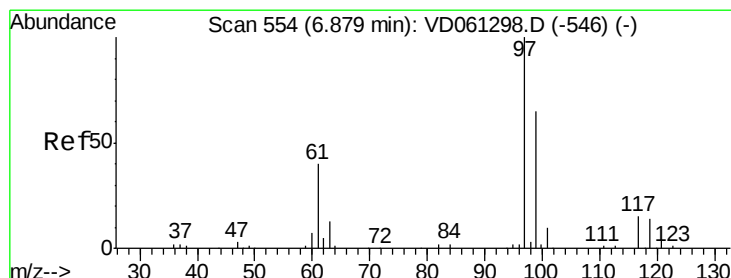
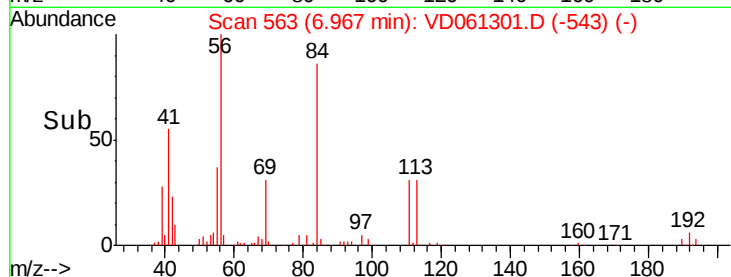
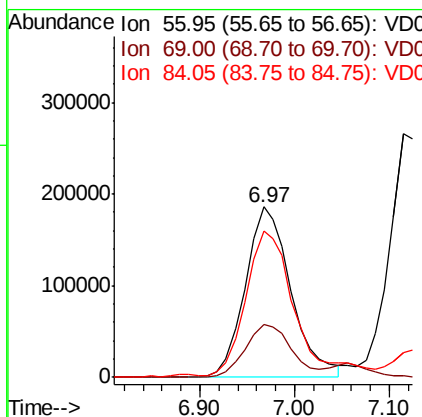
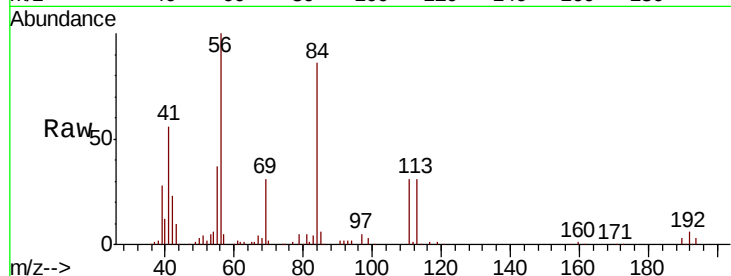




#31
Cyclohexane
Concen: 53.878 ug/l
RT: 6.97 min Scan# 563
Delta R.T. -0.00 min
Lab File: VD061301.D
Acq: 25 Mar 2019 13:57

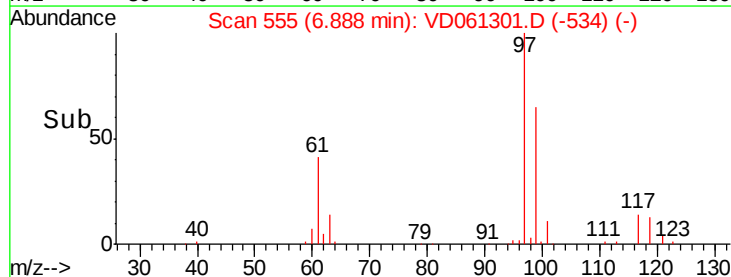
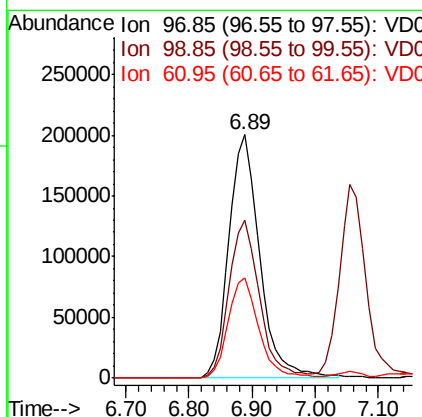
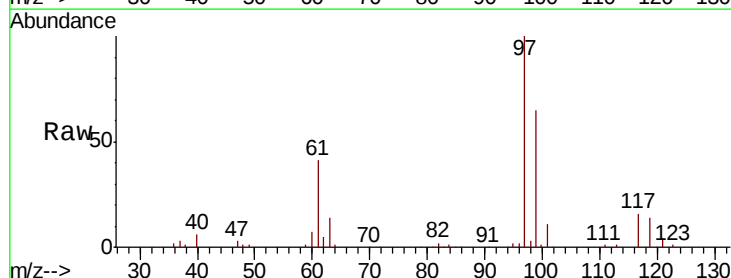
Instrument :
MSVOA_D
ClientSampleId :
ICVVD032519

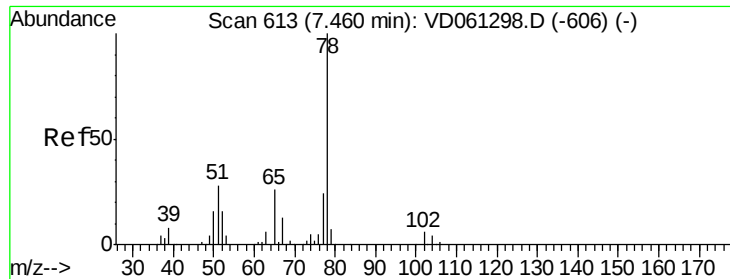
Tot Ion: 56 Resp: 623306
Ion Ratio Lower Upper
56 100
69 31.4 25.5 38.3
84 85.7 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 50.424 ug/l
RT: 6.89 min Scan# 555
Delta R.T. 0.01 min
Lab File: VD061301.D
Acq: 25 Mar 2019 13:57

Tgt Ion: 97 Resp: 678320
Ion Ratio Lower Upper
97 100
99 64.9 51.8 77.6
61 41.0 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 50.424 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

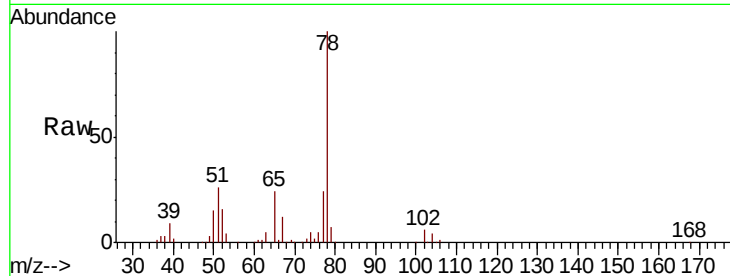
ICVVD032519

Tot Ion: 65 Resp: 327517

Ion Ratio Lower Upper

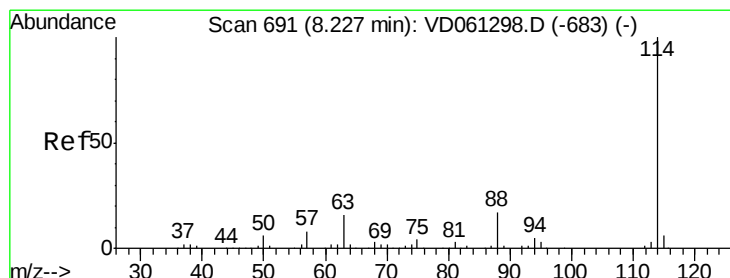
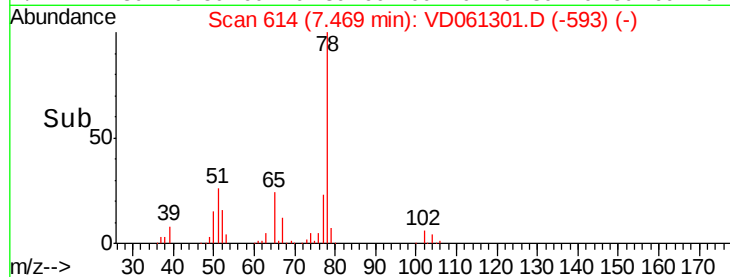
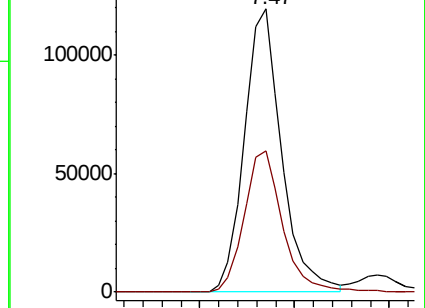
65 100

67 50.0 0.0 100.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. -0.00 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

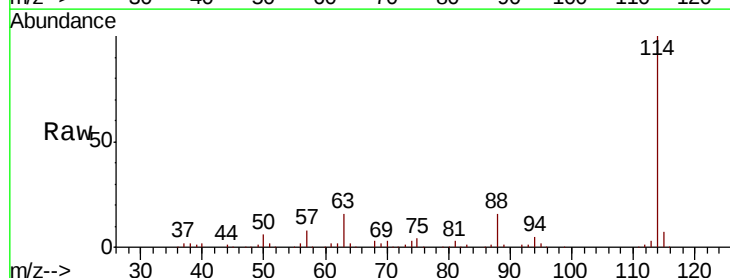
Tgt Ion: 114 Resp: 1357469

Ion Ratio Lower Upper

114 100

63 16.1 0.0 31.4

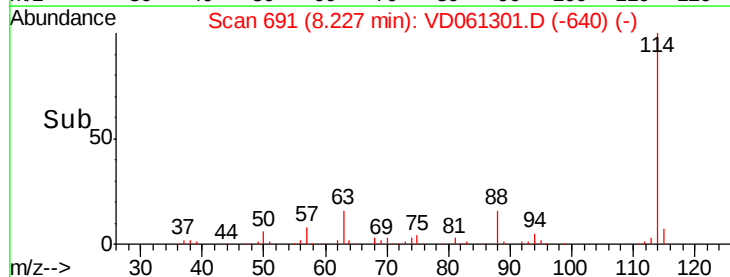
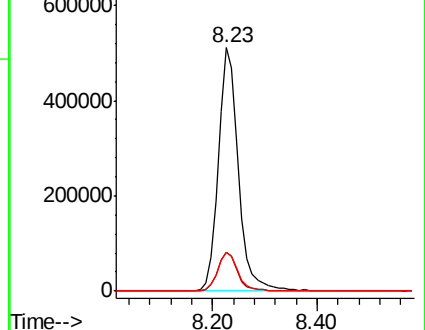
88 16.1 0.0 33.2

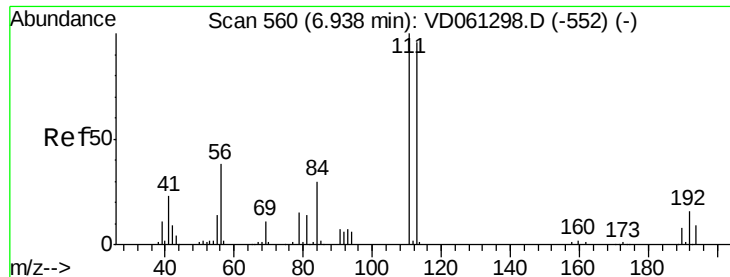


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 560

Delta R.T. -0.00 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

ICVVD032519

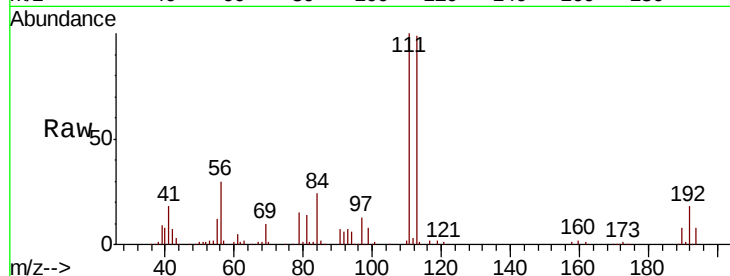
Tot Ion:113 Resp: 530026

Ion Ratio Lower Upper

113 100

111 100.6 83.7 125.5

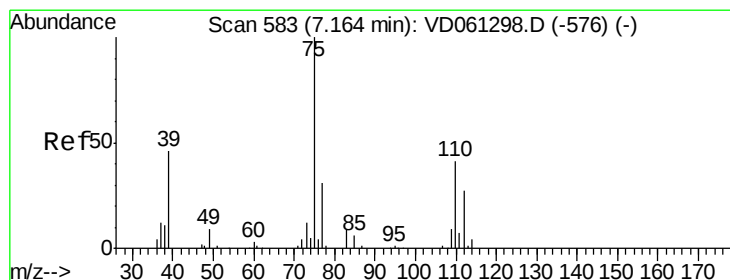
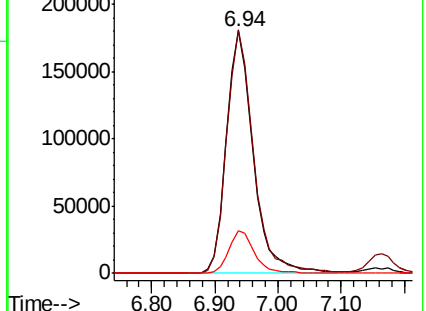
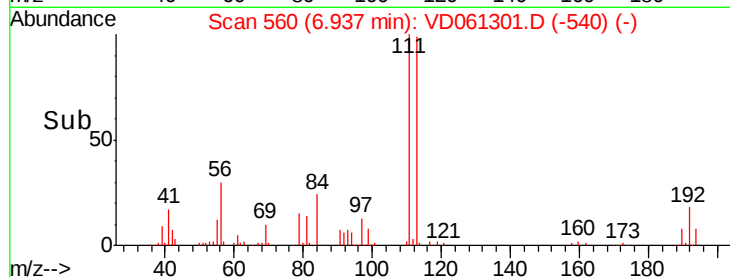
192 17.8 13.4 20.0



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: 53.224 ug/l

RT: 7.16 min Scan# 583

Delta R.T. -0.00 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

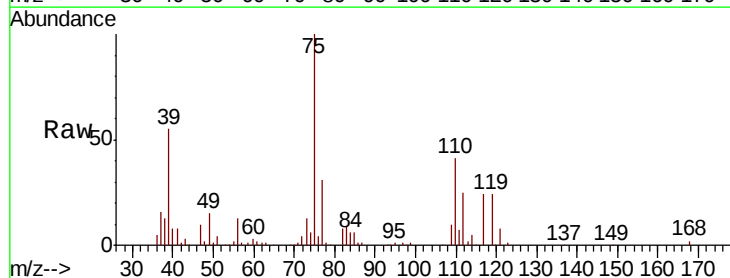
Tgt Ion: 75 Resp: 591122

Ion Ratio Lower Upper

75 100

110 41.1 20.1 60.2

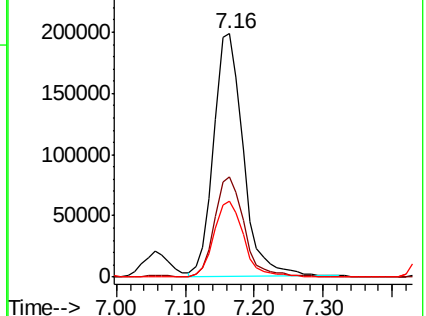
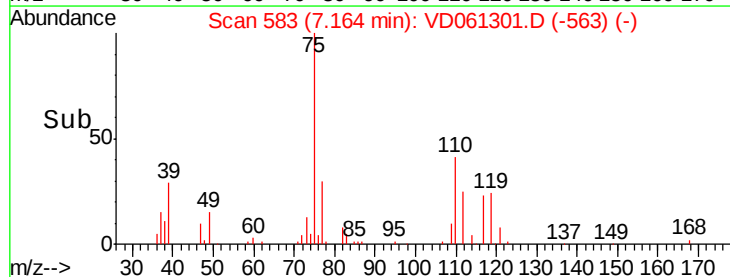
77 31.2 24.3 36.5

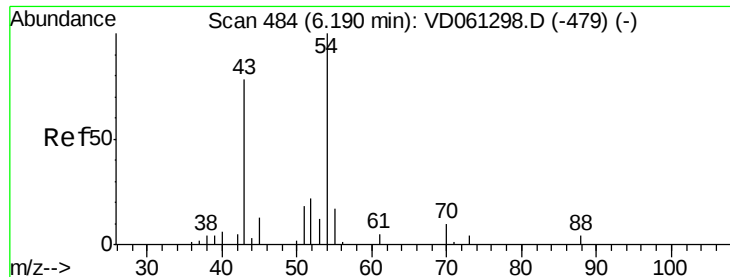


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

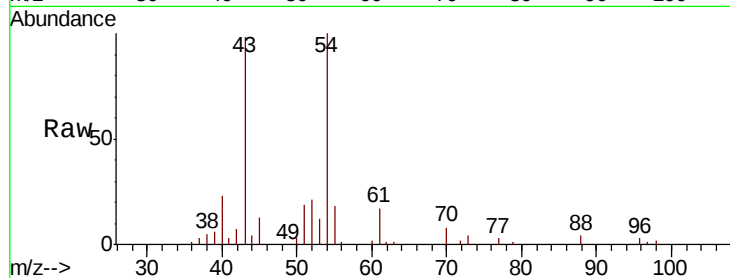




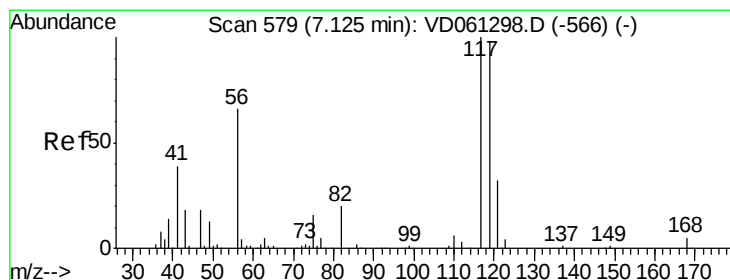
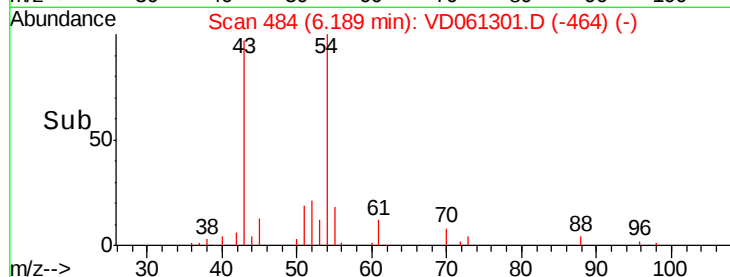
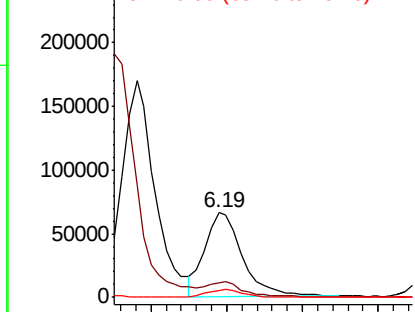
#37
Ethyl Acetate
Concen: 49.034 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.00 min
Lab File: VD061301.D
Acq: 25 Mar 2019 13:57

Instrument :
MSVOA_D
ClientSampleID :
ICVVD032519

Tot Ion: 43 Resp: 227466
Ion Ratio Lower Upper
43 100
61 17.0 12.6 19.0
70 8.5 8.2 12.4

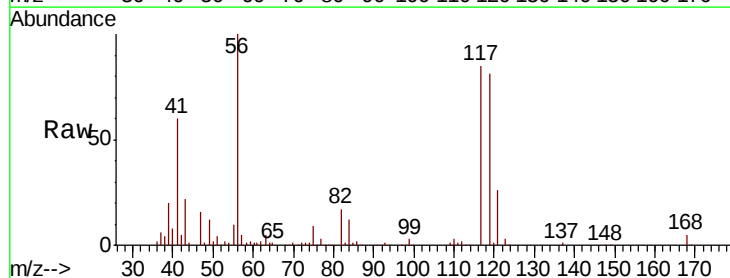


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

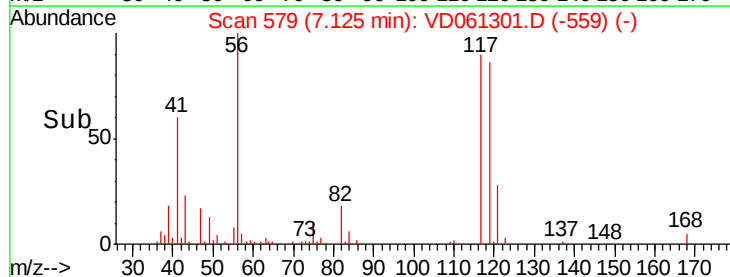
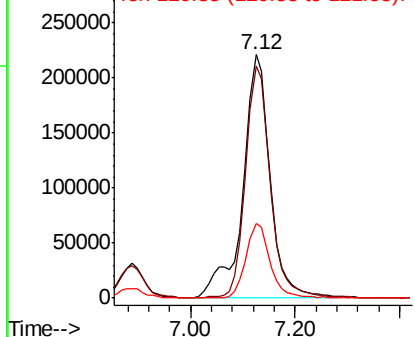


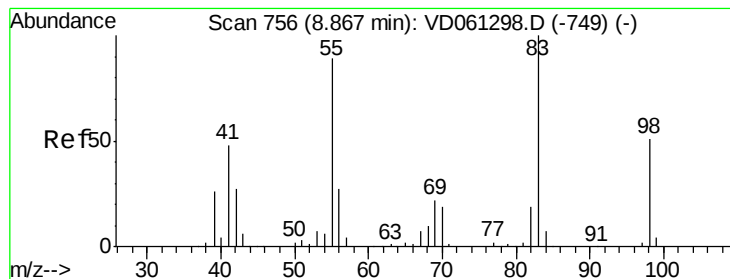
#38
Carbon Tetrachloride
Concen: 61.035 ug/l
RT: 7.12 min Scan# 579
Delta R.T. -0.00 min
Lab File: VD061301.D
Acq: 25 Mar 2019 13:57

Tgt Ion: 117 Resp: 774762
Ion Ratio Lower Upper
117 100
119 95.5 78.4 117.6
121 30.9 25.1 37.7



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





#39

Methvlcvclohexane

Concen: 51.822 ug/l

RT: 8.88 min Scan# 757

Delta R.T. 0.01 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

ICVVD032519

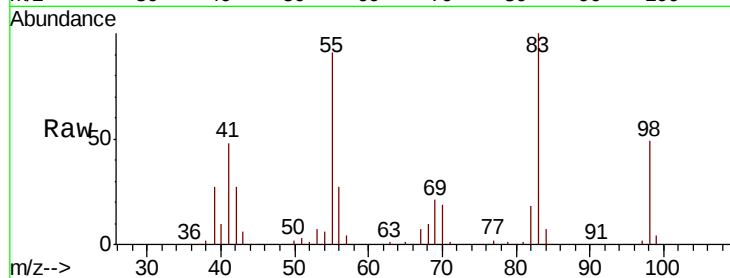
Tot Ion: 83 Resp: 596087

Ion Ratio Lower Upper

83 100

55 90.9 71.3 106.9

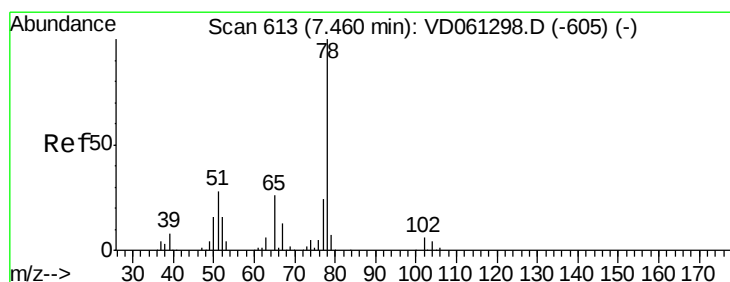
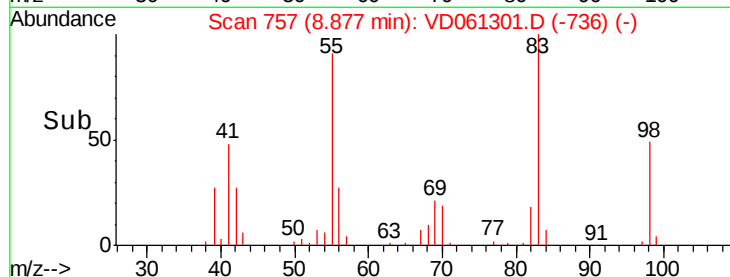
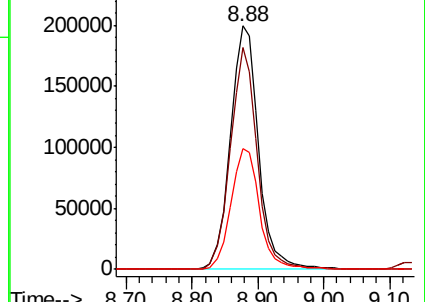
98 49.5 40.4 60.6



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 52.851 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD061301.D

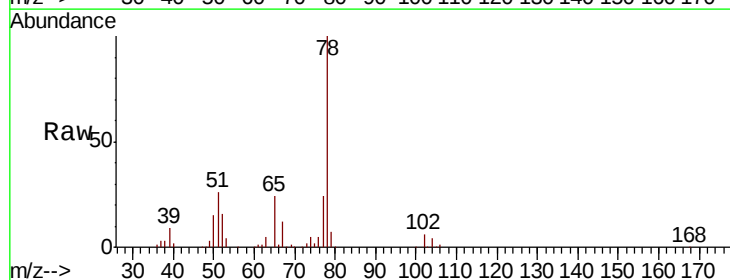
Acq: 25 Mar 2019 13:57

Tgt Ion: 78 Resp: 1457783

Ion Ratio Lower Upper

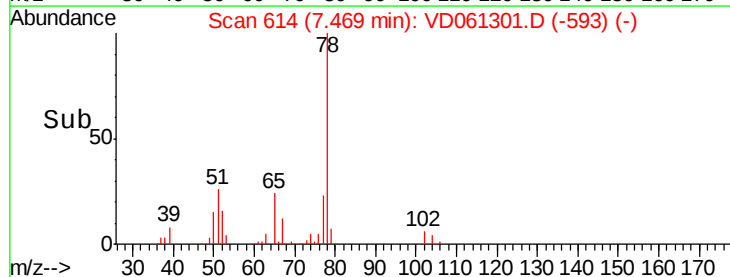
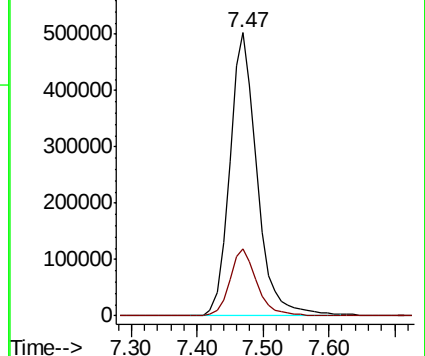
78 100

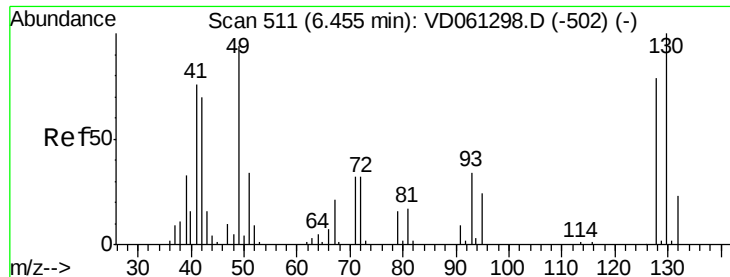
77 23.5 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

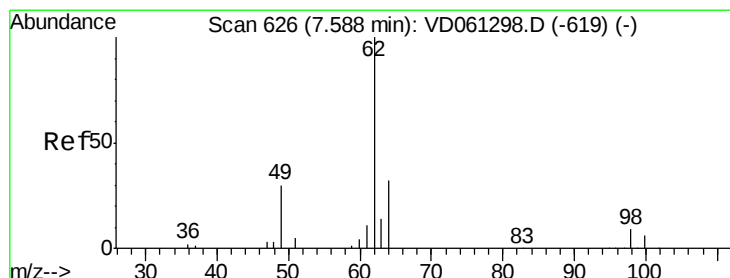
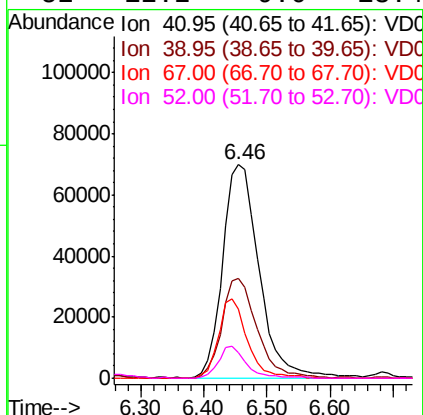
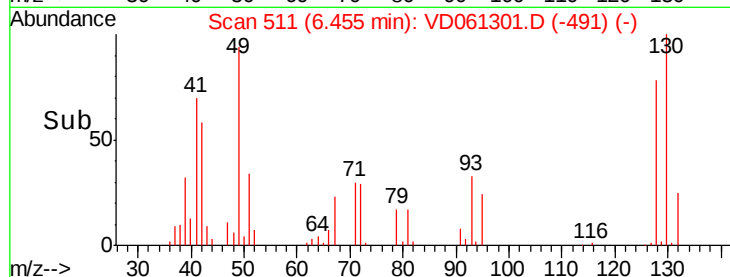
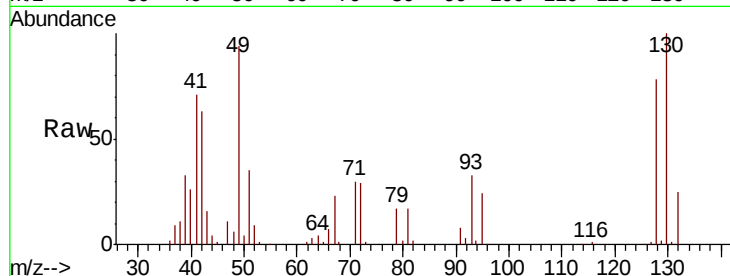




#41
Methacrylonitrile
Concen: 52.161 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.00 min
Lab File: VD061301.D
Acq: 25 Mar 2019 13:57

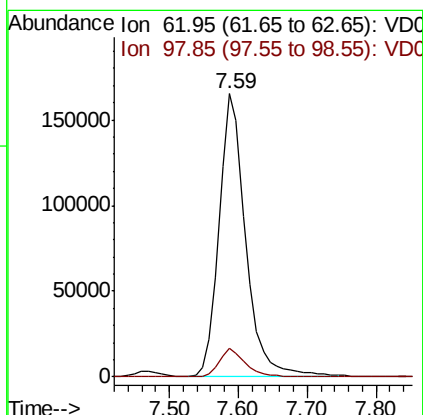
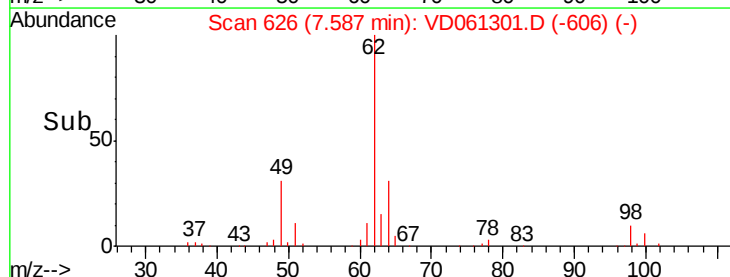
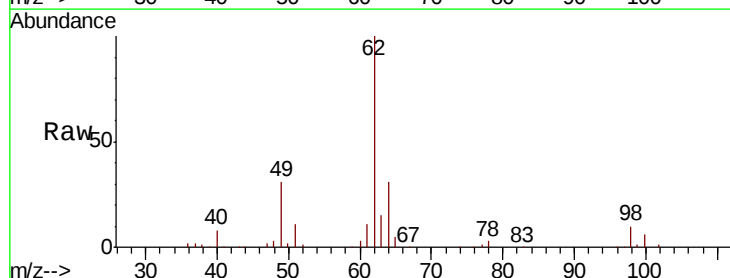
Instrument :
MSVOA_D
ClientSampleId :
ICVVD032519

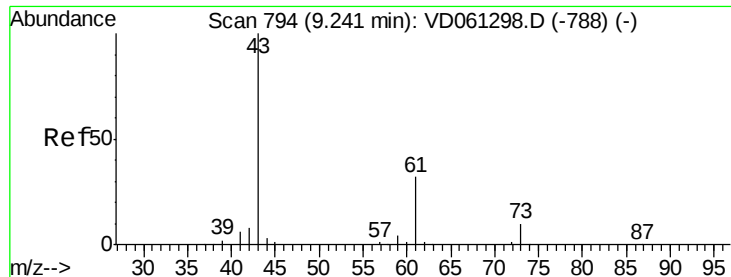
Tot Ion:	41	Resp:	281182
Ion	Ratio	Lower	Upper
41	100		
39	46.9	34.2	51.2
67	32.5	21.8	32.6
52	12.2	9.0	13.4



#42
1,2-Dichloroethane
Concen: 51.480 ug/l
RT: 7.59 min Scan# 626
Delta R.T. -0.00 min
Lab File: VD061301.D
Acq: 25 Mar 2019 13:57

Tgt Ion:	62	Resp:	442546
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	18.6



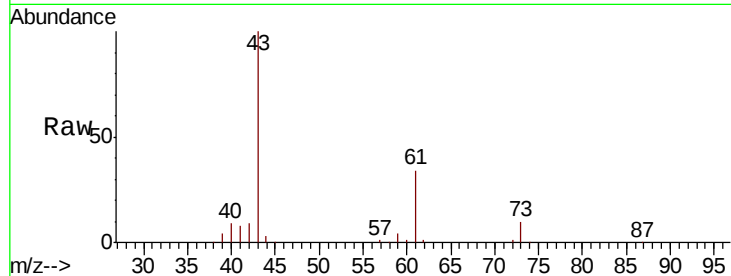


#43

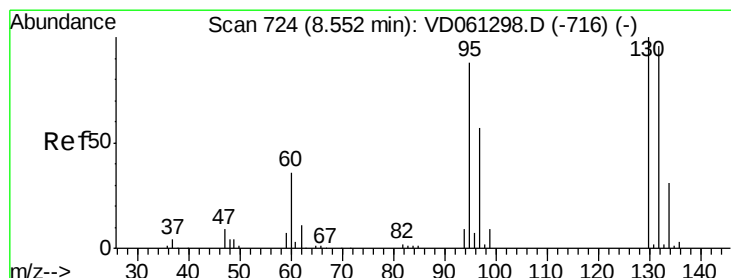
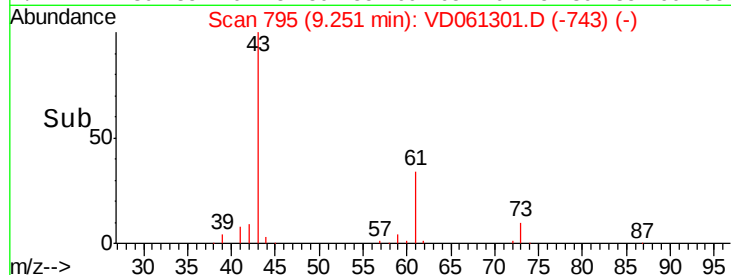
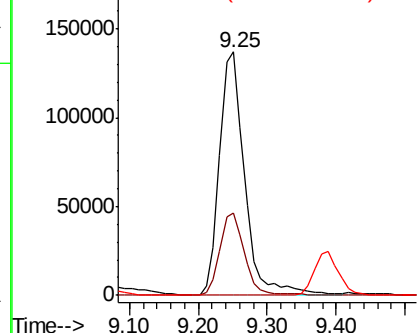
Isopropyl Acetate
 Concen: 52.279 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.01 min
 Lab File: VD061301.D
 Acq: 25 Mar 2019 13:57

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD032519

Tot Ion: 43 Resp: 349677
 Ion Ratio Lower Upper
 43 100
 61 33.7 25.8 38.8
 87 0.3 0.3 0.5#



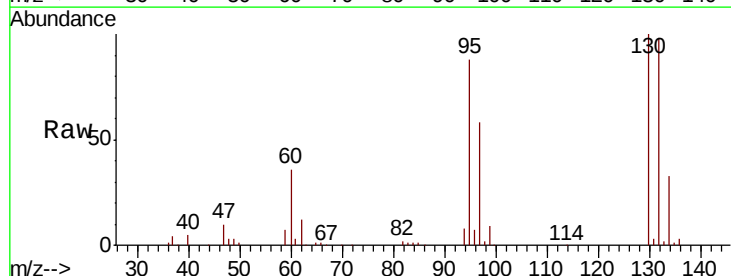
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



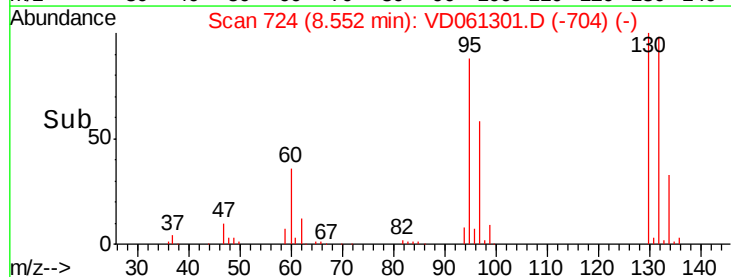
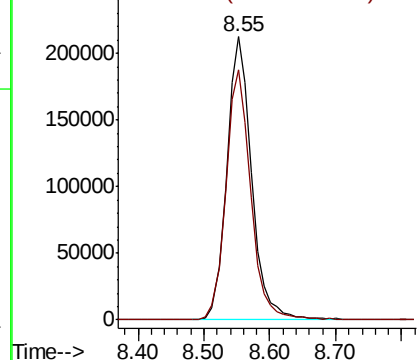
#44

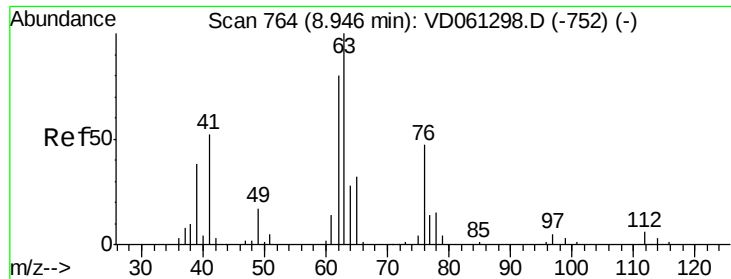
Trichloroethene
 Concen: 55.999 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VD061301.D
 Acq: 25 Mar 2019 13:57

Tgt Ion:130 Resp: 558623
 Ion Ratio Lower Upper
 130 100
 95 88.4 0.0 175.0



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





#45

1,2-Dichloropropane

Concen: 54.847 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

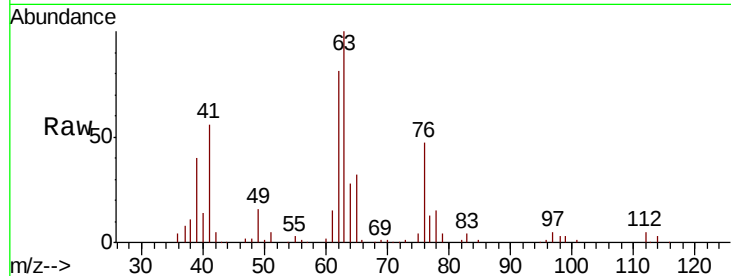
ICVVD032519

Tot Ion: 63 Resp: 373383

Ion Ratio Lower Upper

63 100

65 32.0 25.2 37.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

150000

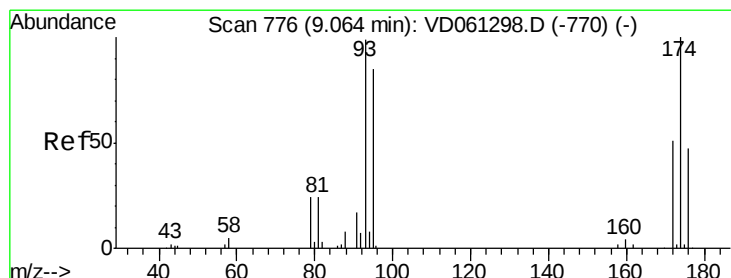
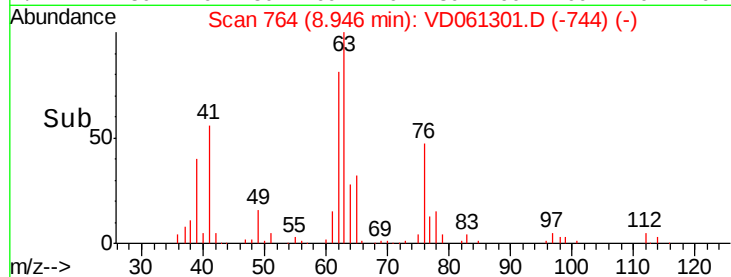
100000

50000

0

8.80 8.95 9.00 9.20

Time-->



#46

Dibromomethane

Concen: 53.258 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

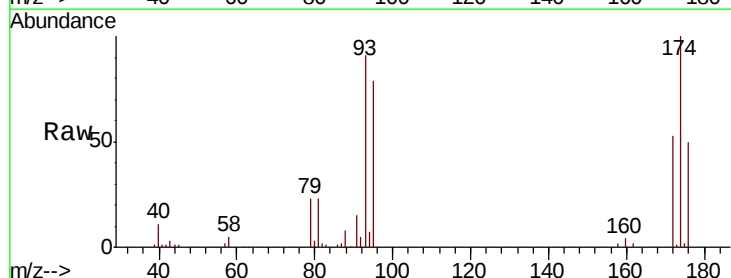
Tgt Ion: 93 Resp: 248527

Ion Ratio Lower Upper

93 100

95 86.6 68.1 102.1

174 109.3 80.4 120.6



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

150000

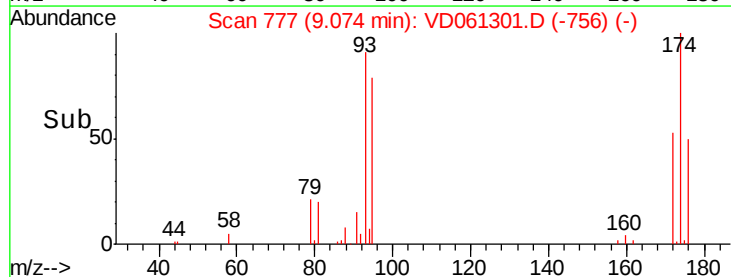
100000

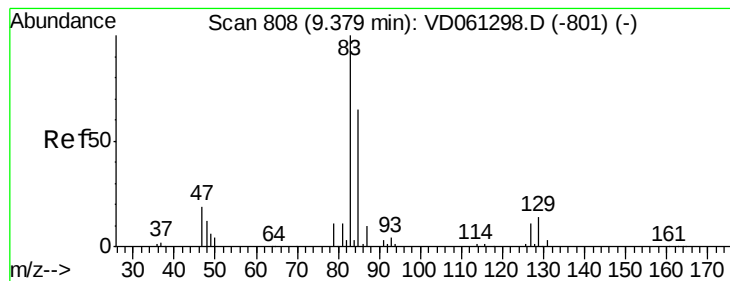
50000

0

9.00 9.07 9.10 9.20

Time-->





#47

Bromodichloromethane

Concen: 53.684 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.01 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

ICVVD032519

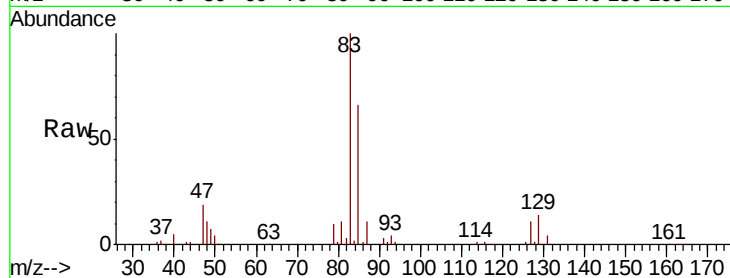
Tot Ion: 83 Resp: 587172

Ion Ratio Lower Upper

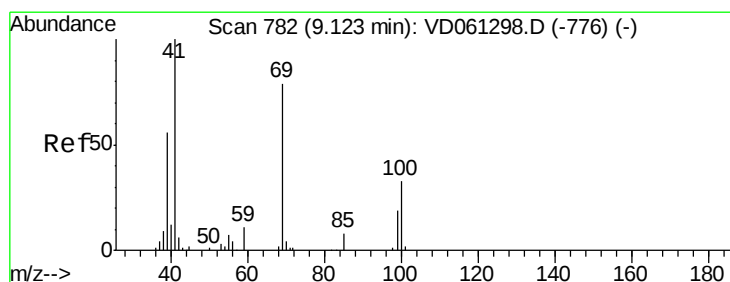
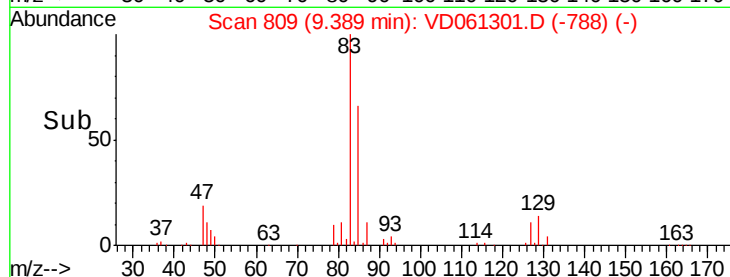
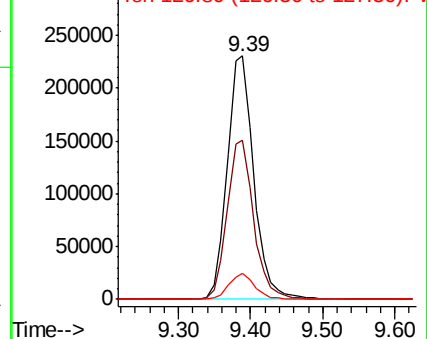
83 100

85 65.6 51.7 77.5

127 10.9 8.8 13.2



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: 51.873 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

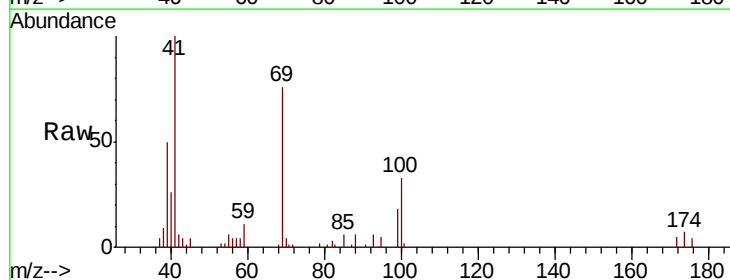
Tgt Ion: 41 Resp: 185189

Ion Ratio Lower Upper

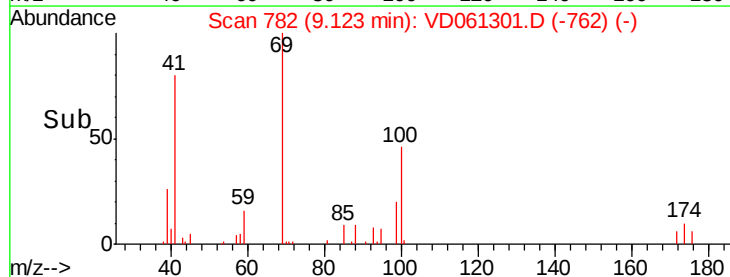
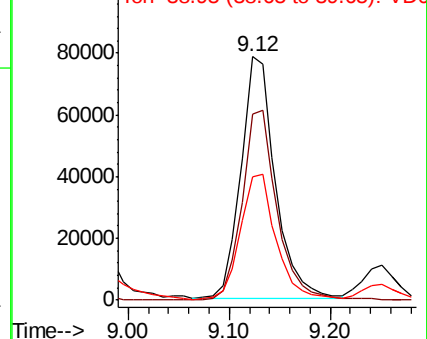
41 100

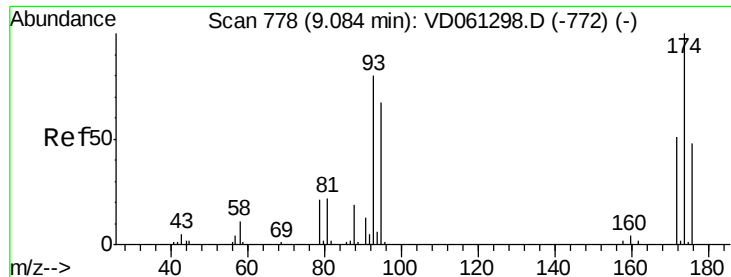
69 76.5 62.4 93.6

39 50.4 44.9 67.3



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

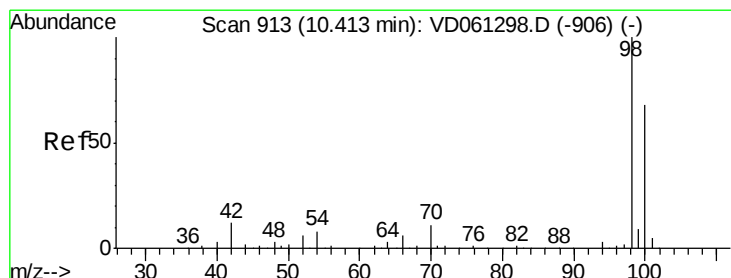
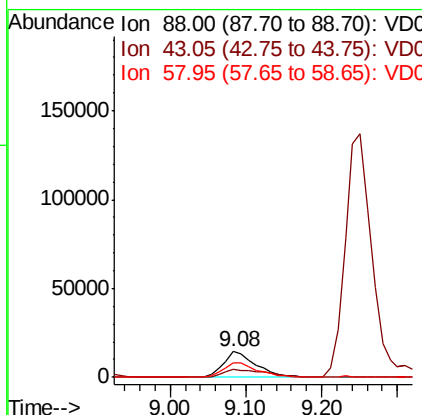
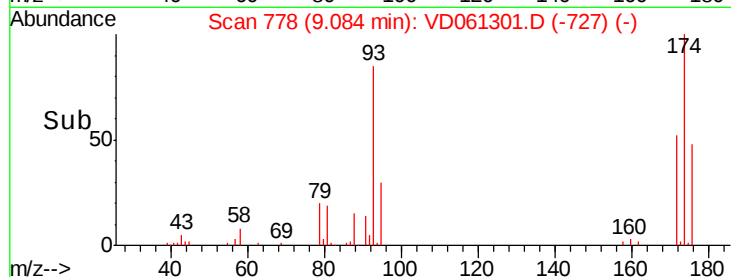
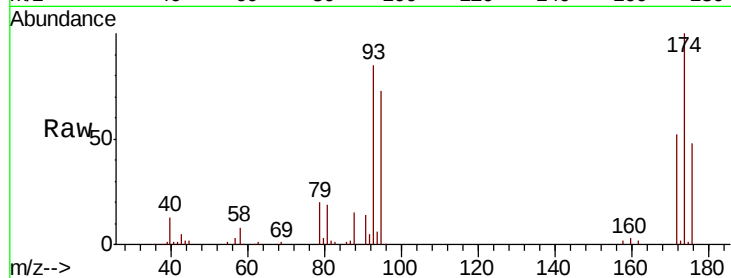




#49
1,4-Dioxane
Concen: 1102.266 ug/l
RT: 9.08 min Scan# 778
Delta R.T. -0.00 min
Lab File: VD061301.D
Acq: 25 Mar 2019 13:57

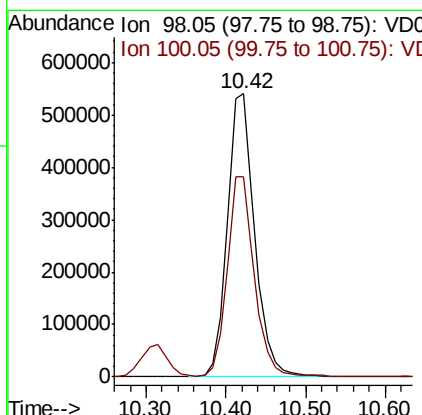
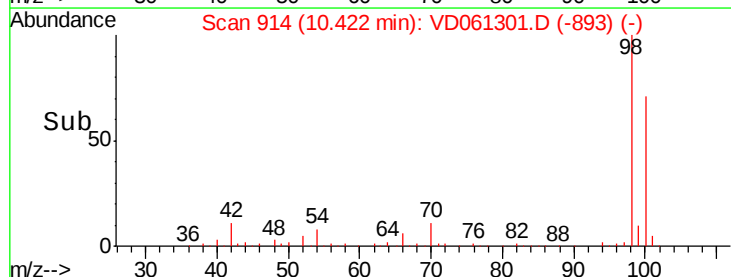
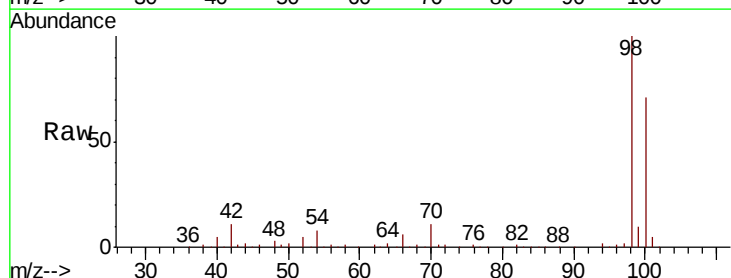
Instrument :
MSVOA_D
ClientSampleId :
ICVVD032519

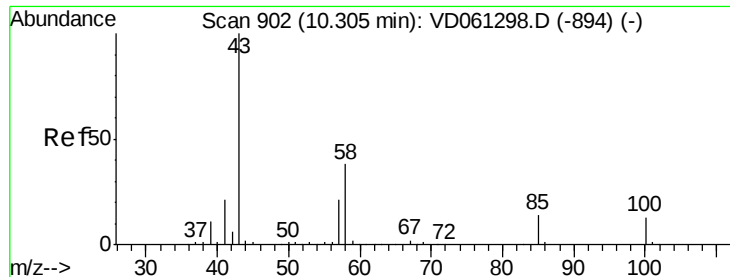
Tot Ion: 88 Resp: 43176
Ion Ratio Lower Upper
88 100
43 31.7 20.7 31.1#
58 55.8 44.9 67.3



#50
Toluene-d8
Concen: 1102.266 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD061301.D
Acq: 25 Mar 2019 13:57

Tgt Ion: 98 Resp: 1298280
Ion Ratio Lower Upper
98 100
100 70.8 55.4 83.0





#51

4-Methyl-2-Pentanone

Concen: 267.384 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

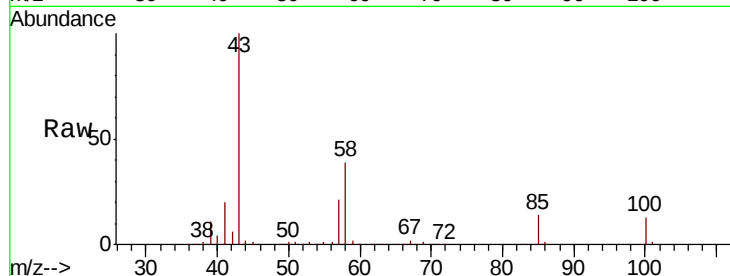
ICVVD032519

Tot Ion: 43 Resp: 1064659

Ion Ratio Lower Upper

43 100

58 38.9 30.6 45.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

400000

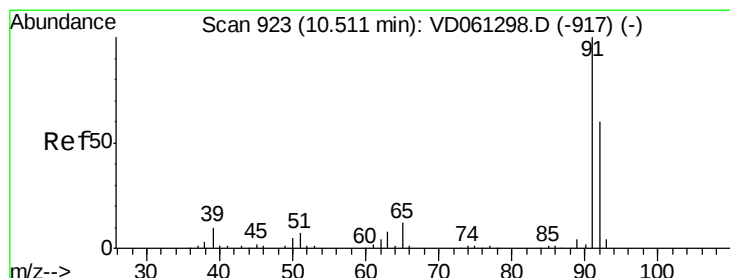
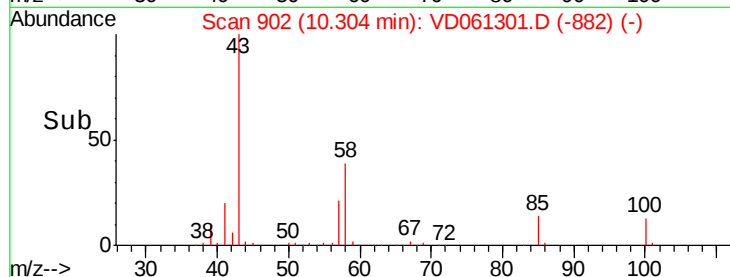
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 58.228 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD061301.D

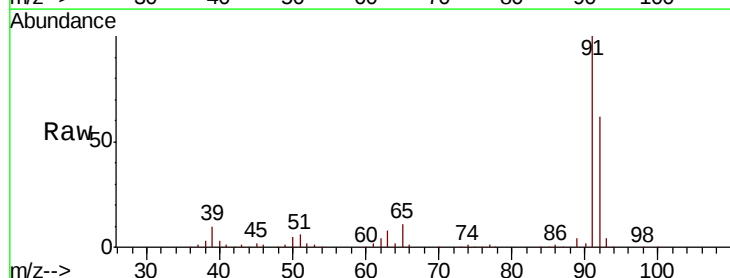
Acq: 25 Mar 2019 13:57

Tgt Ion: 92 Resp: 982733

Ion Ratio Lower Upper

92 100

91 161.4 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

800000

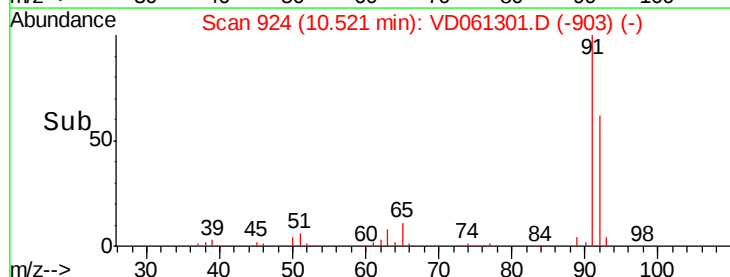
600000

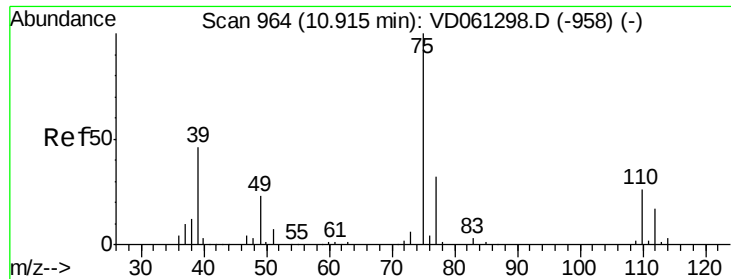
400000

200000

0

Time-->

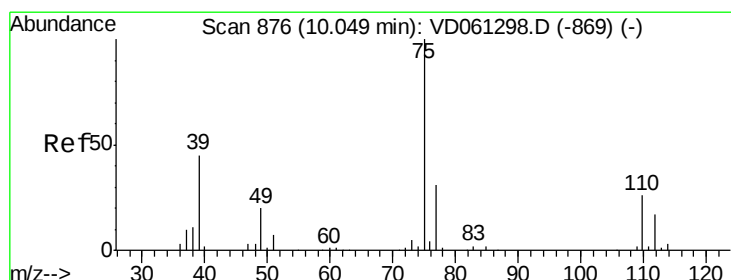
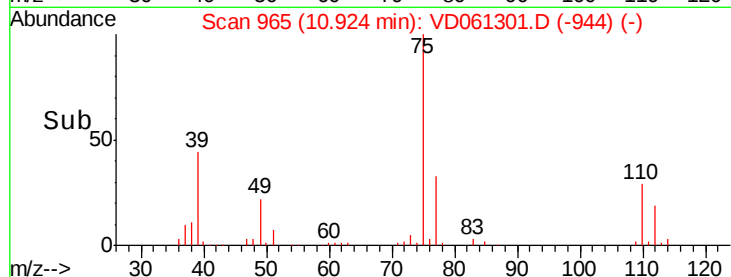
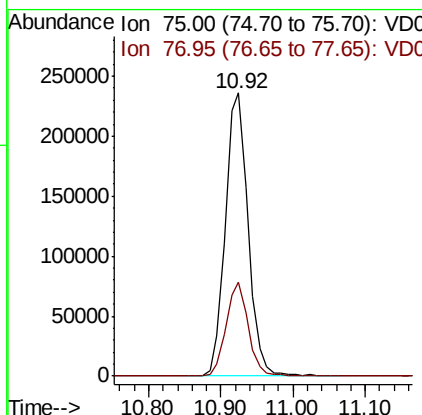
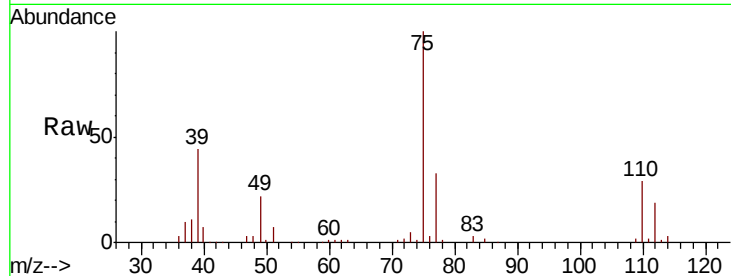




#53
 t-1,3-Dichloropropene
 Concen: 54.304 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VD061301.D
 Acq: 25 Mar 2019 13:57

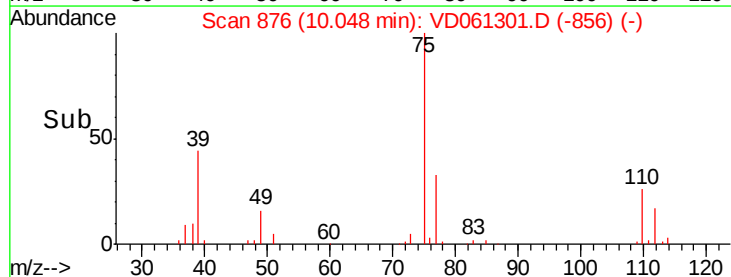
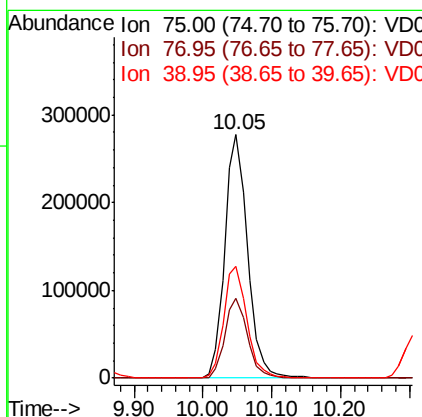
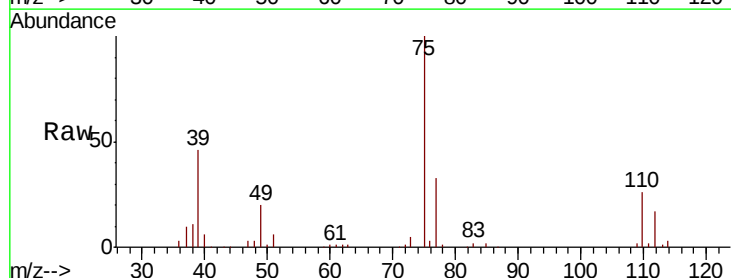
Instrument :
 MSVOA_D
 ClientSampleID :
 ICVVD032519

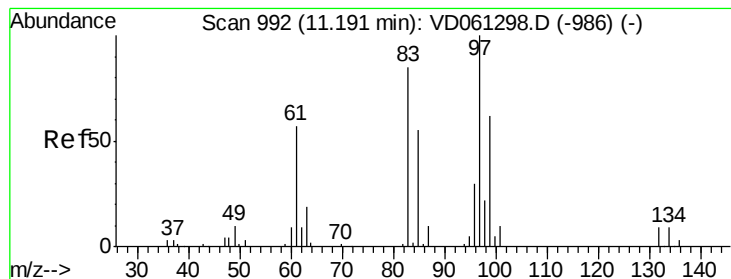
Tot Ion: 75 Resp: 516179
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.8 38.6



#54
 cis-1,3-Dichloropropene
 Concen: 54.960 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. -0.00 min
 Lab File: VD061301.D
 Acq: 25 Mar 2019 13:57

Tgt Ion: 75 Resp: 637922
 Ion Ratio Lower Upper
 75 100
 77 32.7 24.9 37.3
 39 45.8 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 52.510 ug/l

RT: 11.20 min Scan# 993

Delta R.T. 0.01 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

ICVVD032519

Tot Ion: 97 Resp: 294227

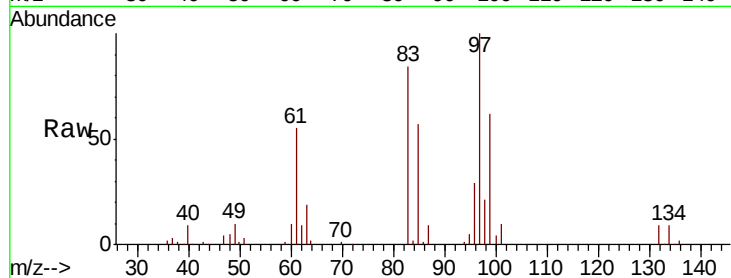
Ion Ratio Lower Upper

97 100

83 84.1 67.7 101.5

85 57.1 43.8 65.8

99 61.9 49.8 74.6

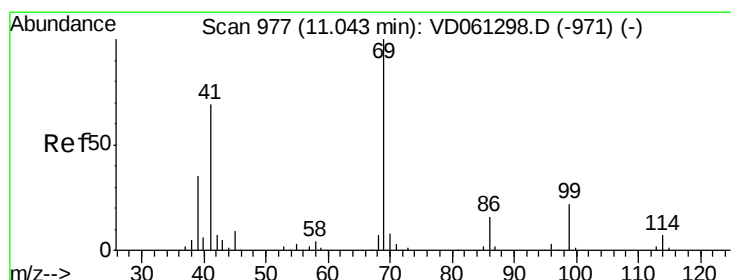
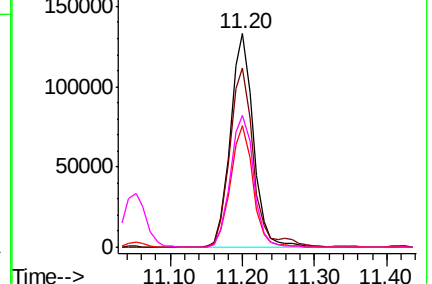
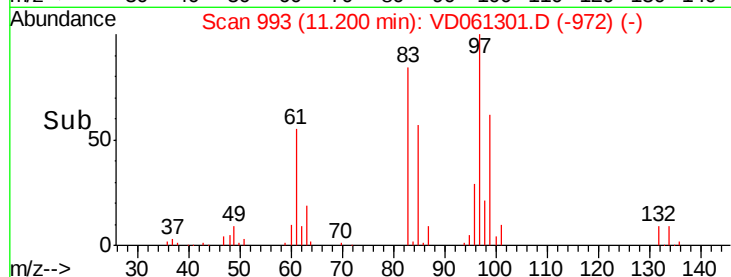


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 53.673 ug/l

RT: 11.05 min Scan# 978

Delta R.T. 0.01 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

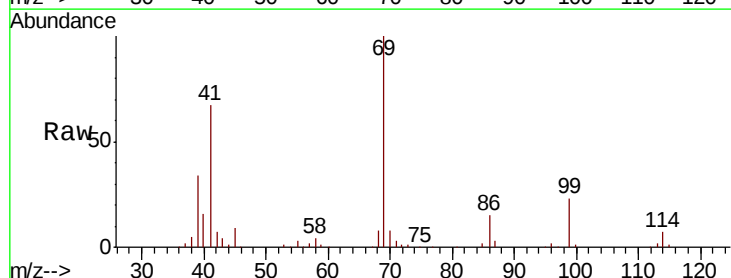
Tgt Ion: 69 Resp: 320918

Ion Ratio Lower Upper

69 100

41 66.8 54.9 82.3

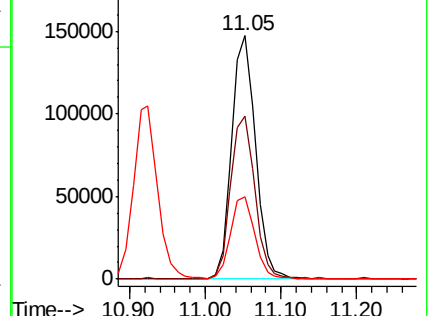
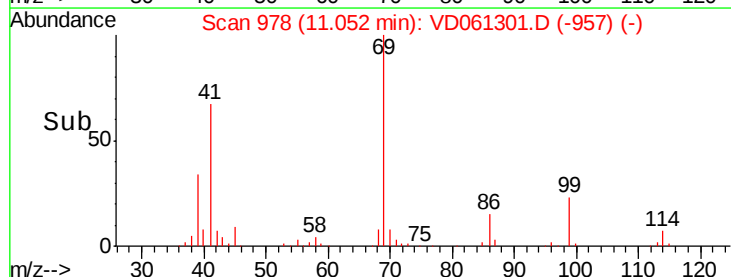
39 33.9 28.5 42.7

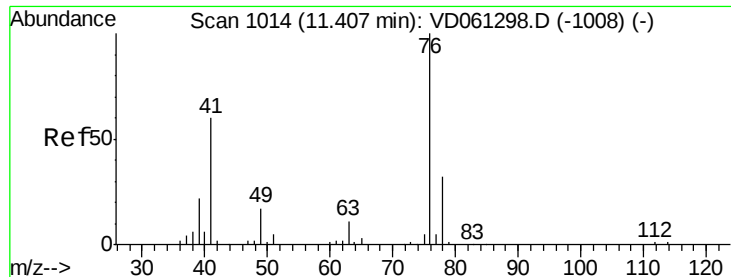


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 54.816 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

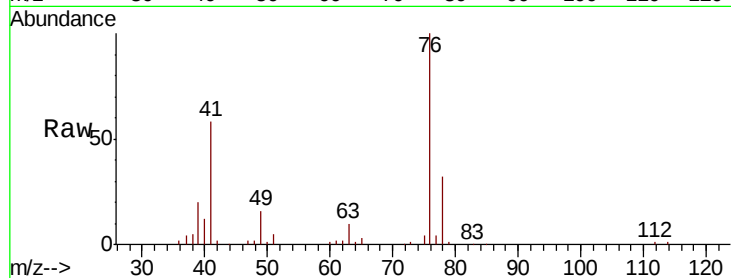
ICVVD032519

Tot Ion: 76 Resp: 463873

Ion Ratio Lower Upper

76 100

78 31.7 25.7 38.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.42

200000

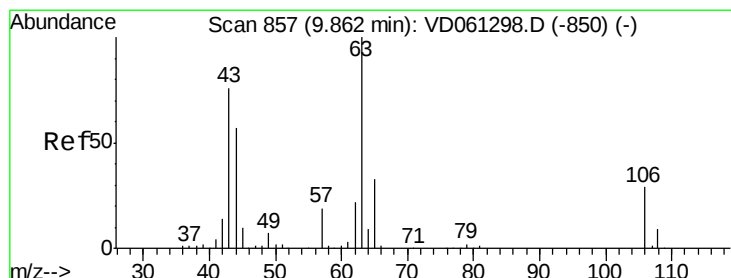
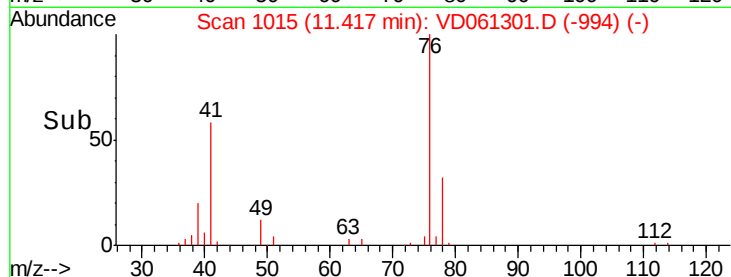
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 240.380 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.01 min

Lab File: VD061301.D

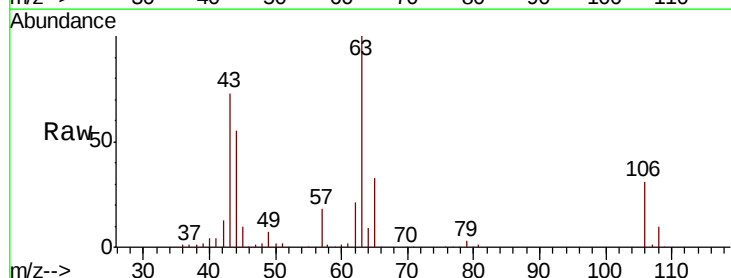
Acq: 25 Mar 2019 13:57

Tgt Ion: 63 Resp: 747721

Ion Ratio Lower Upper

63 100

106 30.9 23.4 35.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.87

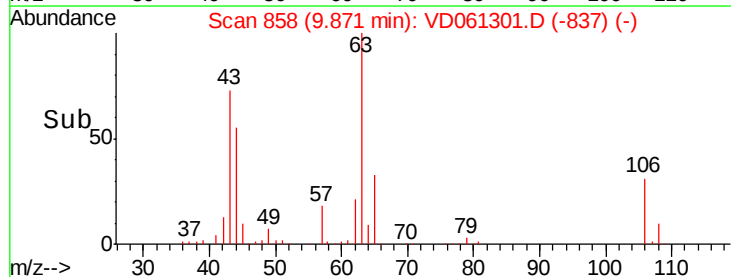
300000

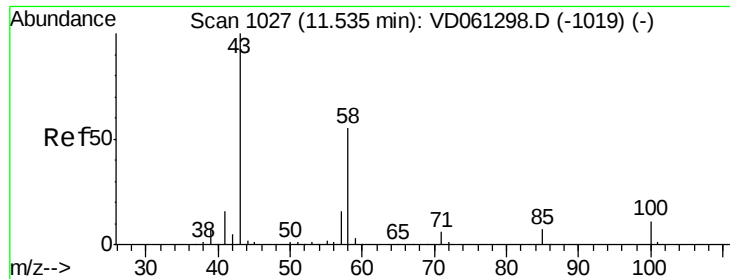
200000

100000

0

Time-->

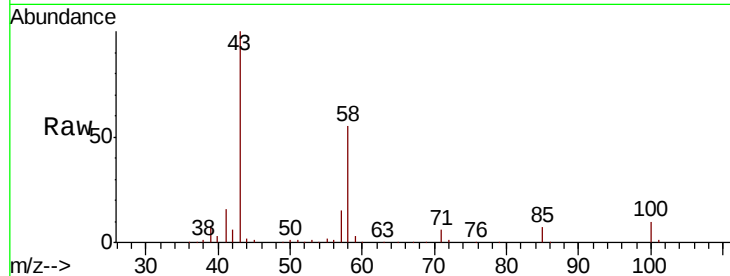




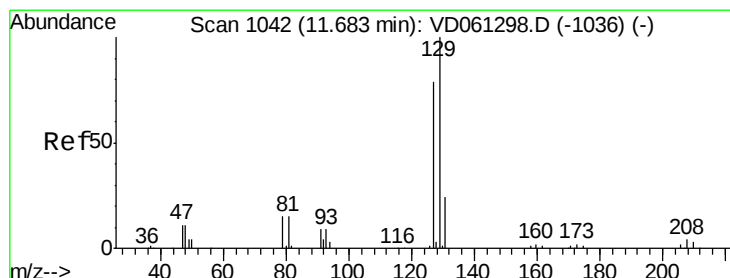
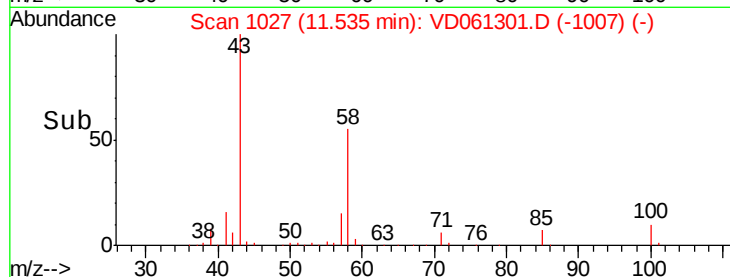
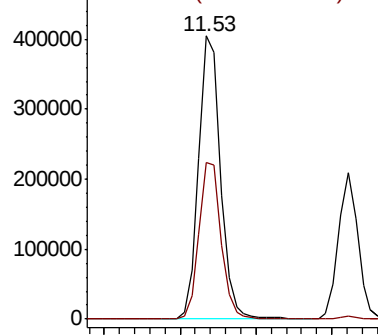
#59
2-Hexanone
Concen: 281.728 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD061301.D
Acq: 25 Mar 2019 13:57

Instrument :
MSVOA_D
ClientSampleId :
ICVVD032519

Tot Ion: 43 Resp: 814734
Ion Ratio Lower Upper
43 100
58 55.3 27.4 82.0

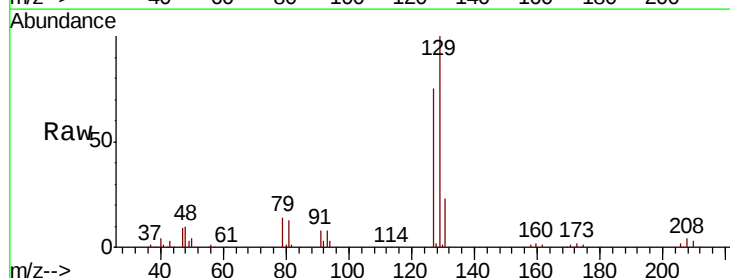


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

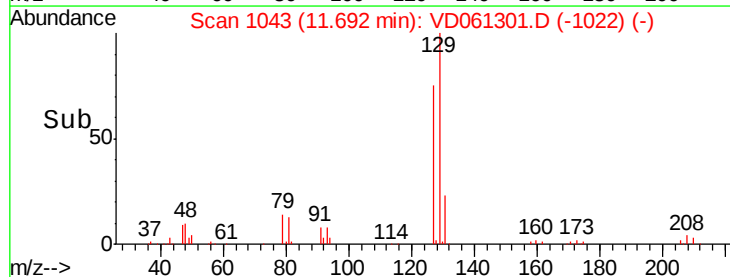
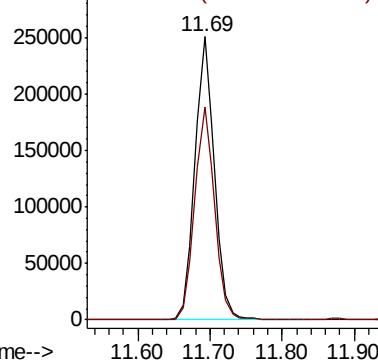


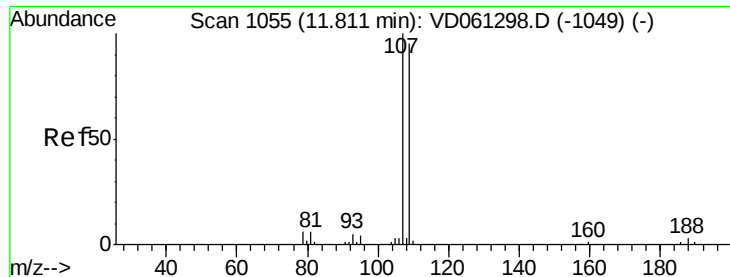
#60
Dibromochloromethane
Concen: 53.347 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD061301.D
Acq: 25 Mar 2019 13:57

Tgt Ion: 129 Resp: 468174
Ion Ratio Lower Upper
129 100
127 75.1 39.6 119.0



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 53.225 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

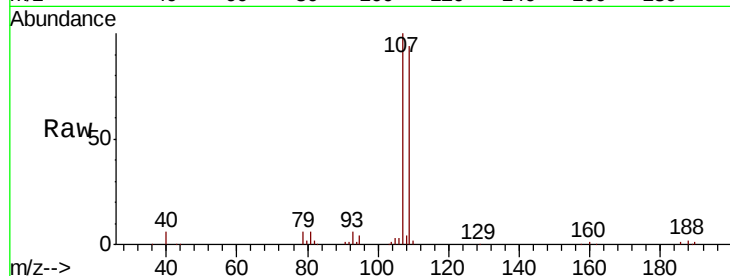
ICVVD032519

Tot Ion:107 Resp: 348457

Ion Ratio Lower Upper

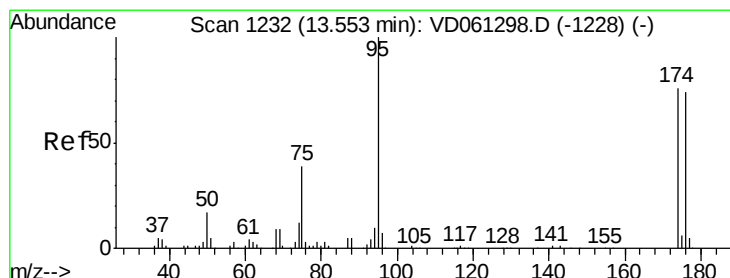
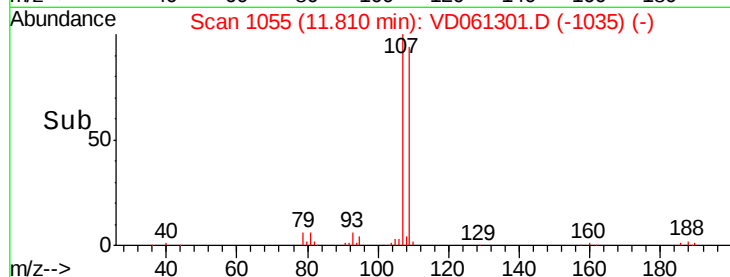
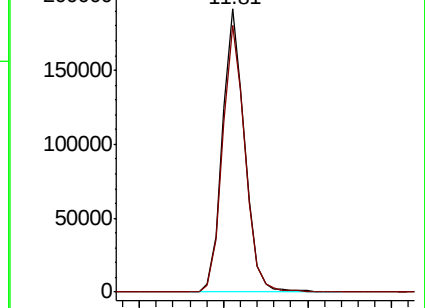
107 100

109 94.2 76.1 114.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 53.225 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

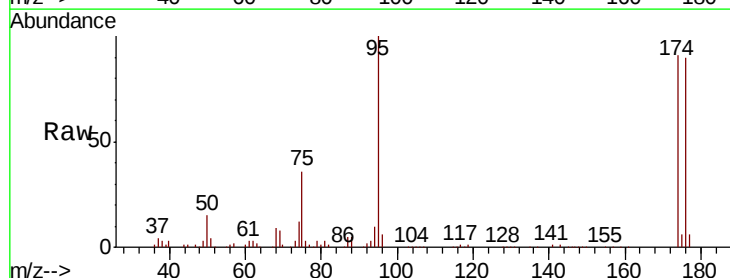
Tgt Ion: 95 Resp: 463168

Ion Ratio Lower Upper

95 100

174 91.3 0.0 151.8

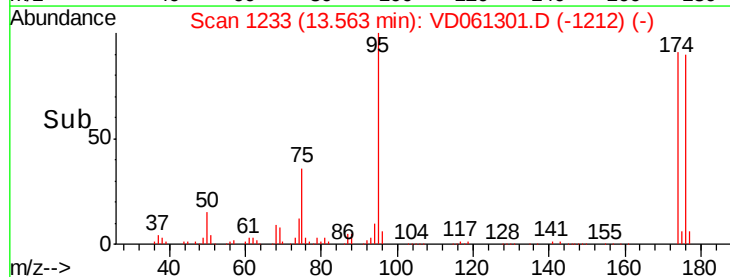
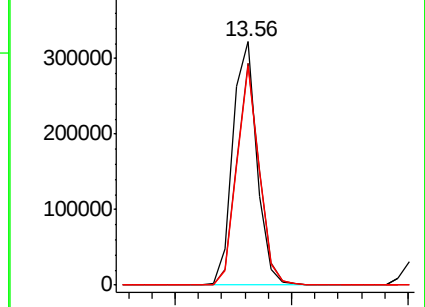
176 90.2 0.0 148.0

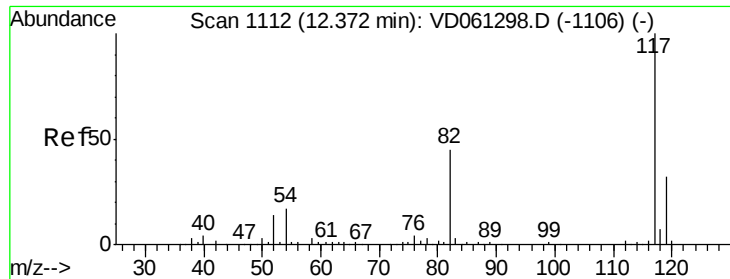


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

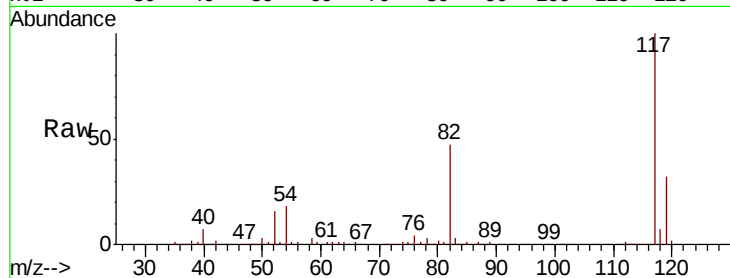




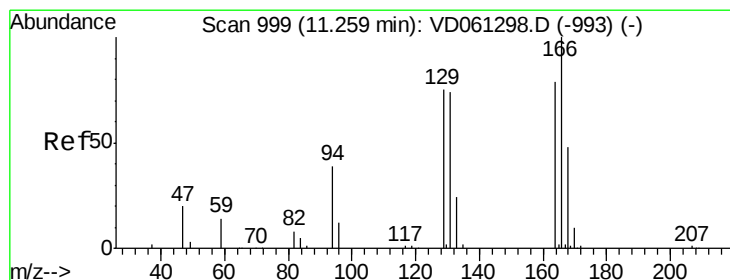
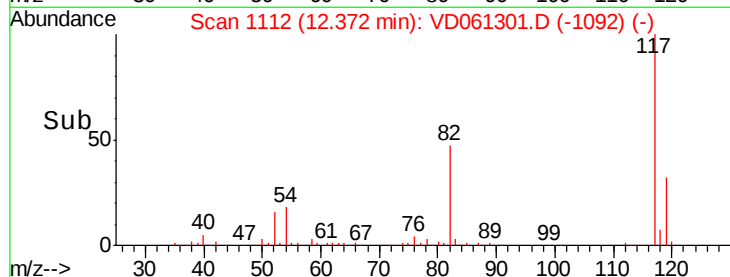
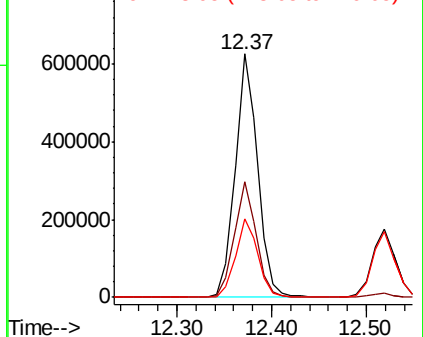
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD061301.D
Acq: 25 Mar 2019 13:57

Instrument :
MSVOA_D
ClientSampleId :
ICVVD032519

Tot Ion:117 Resp: 1025095
Ion Ratio Lower Upper
117 100
82 47.5 35.7 53.5
119 32.4 25.9 38.9

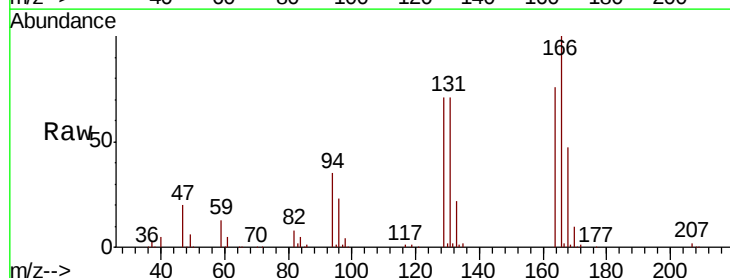


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

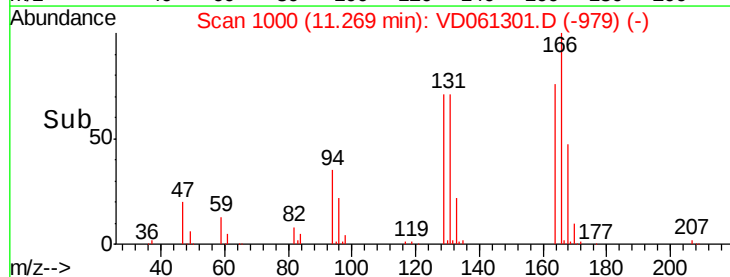
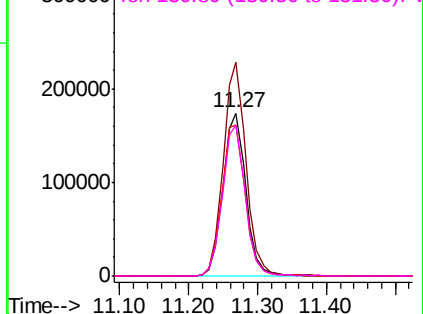


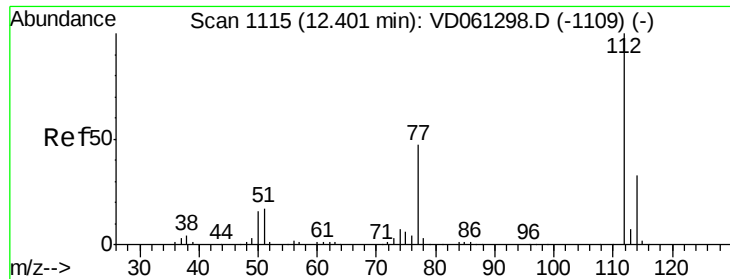
#64
Tetrachloroethene
Concen: 56.689 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VD061301.D
Acq: 25 Mar 2019 13:57

Tgt Ion:164 Resp: 400312
Ion Ratio Lower Upper
164 100
166 131.1 101.6 152.4
129 92.7 75.9 113.9
131 92.5 75.3 112.9



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

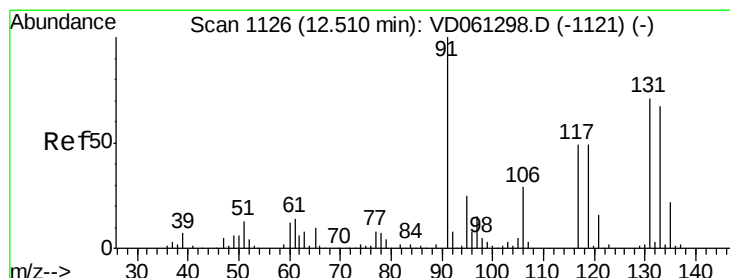
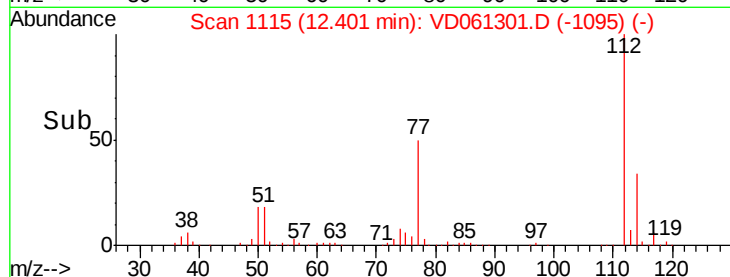
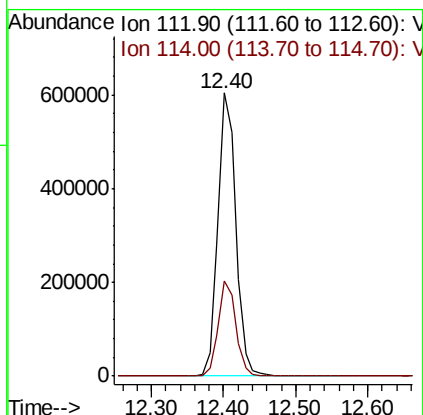
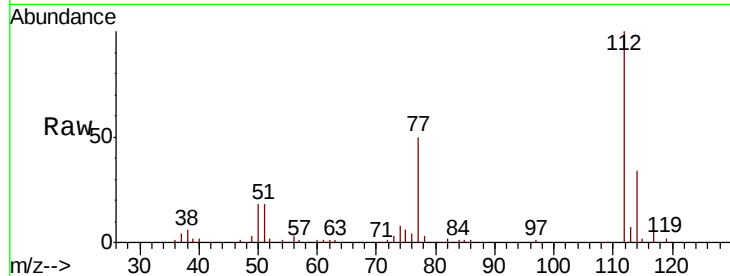




#65
Chlorobenzene
Concen: 54.608 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD061301.D
Acq: 25 Mar 2019 13:57

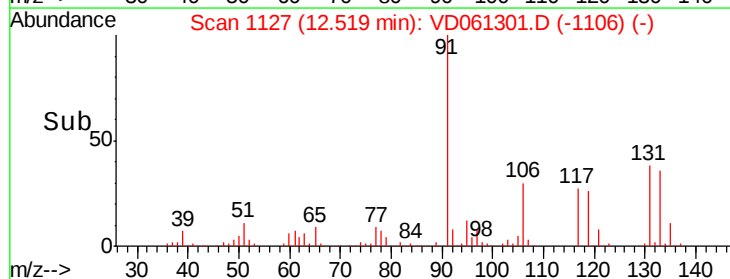
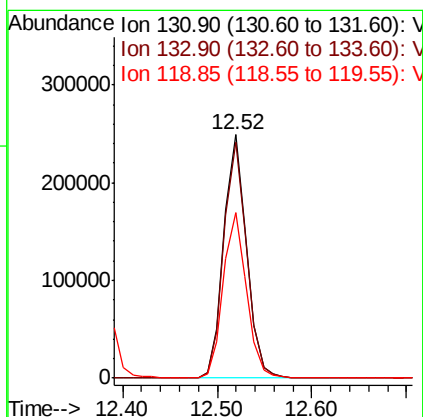
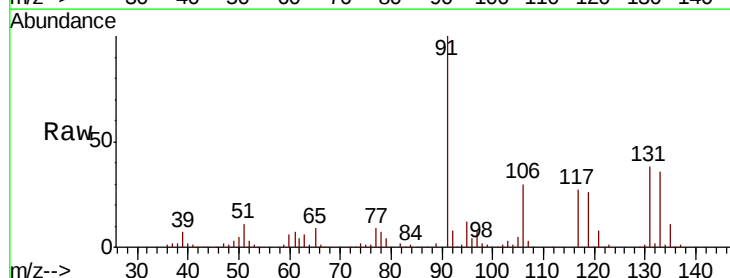
Instrument :
MSVOA_D
ClientSampleId :
ICVVD032519

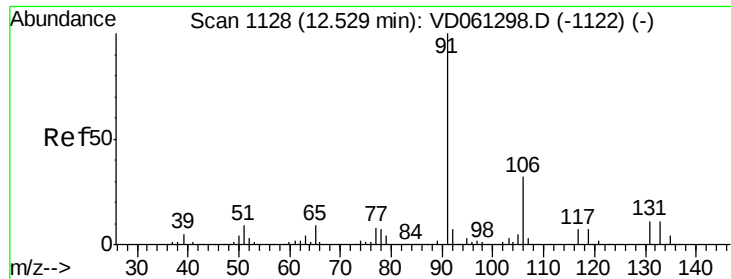
Tot Ion:112 Resp: 1031077
Ion Ratio Lower Upper
112 100
114 33.6 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 56.830 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061301.D
Acq: 25 Mar 2019 13:57

Tgt Ion:131 Resp: 416015
Ion Ratio Lower Upper
131 100
133 96.8 47.0 141.2
119 67.9 34.8 104.5

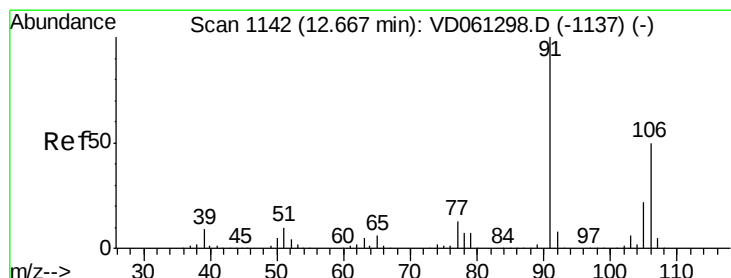
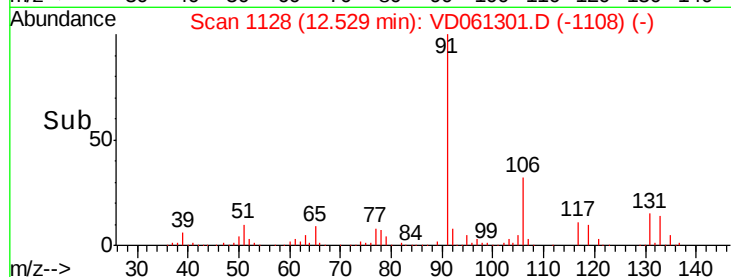
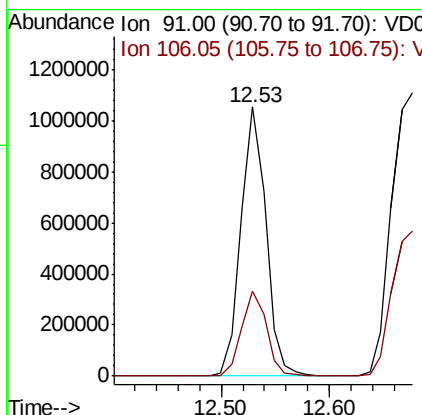
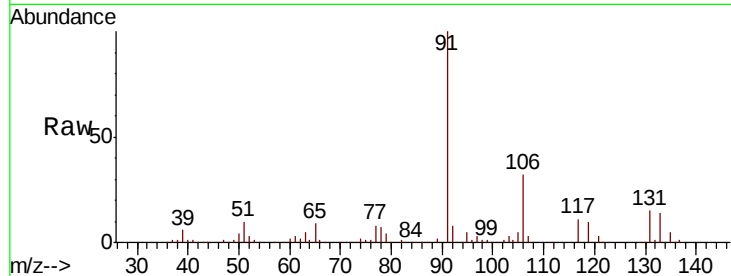




#67
Ethyl Benzene
Concen: 58.556 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD061301.D
Acq: 25 Mar 2019 13:57

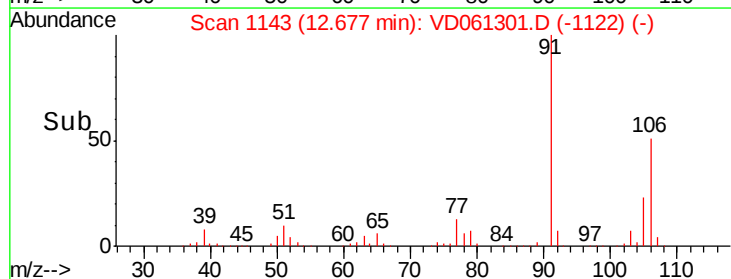
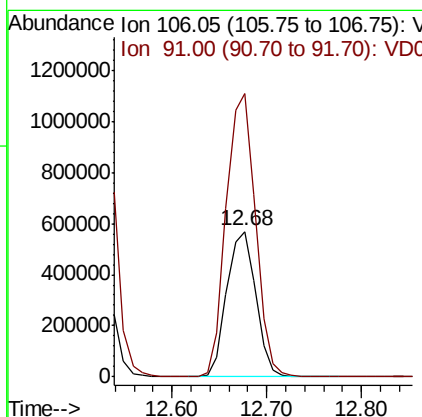
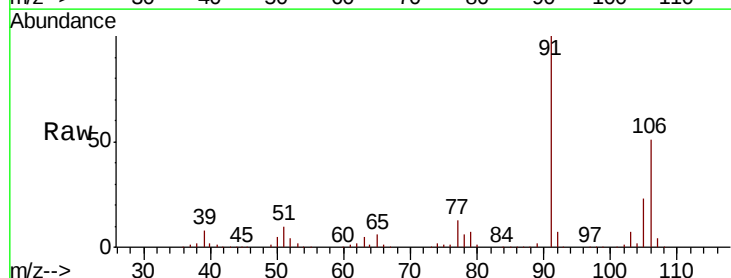
Instrument :
MSVOA_D
ClientSampleId :
ICVVD032519

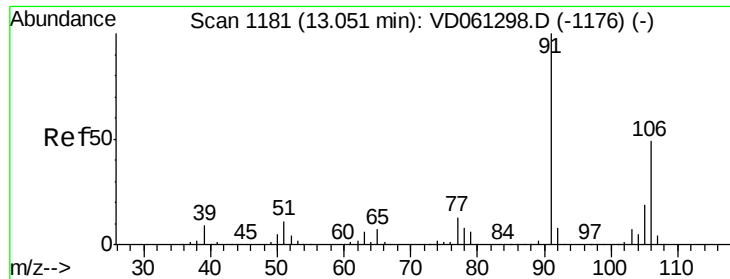
Tot Ion: 91 Resp: 1692044
Ion Ratio Lower Upper
91 100
106 31.6 25.8 38.8



#68
m/p-Xylenes
Concen: 107.496 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061301.D
Acq: 25 Mar 2019 13:57

Tgt Ion:106 Resp: 1212515
Ion Ratio Lower Upper
106 100
91 194.4 159.2 238.8

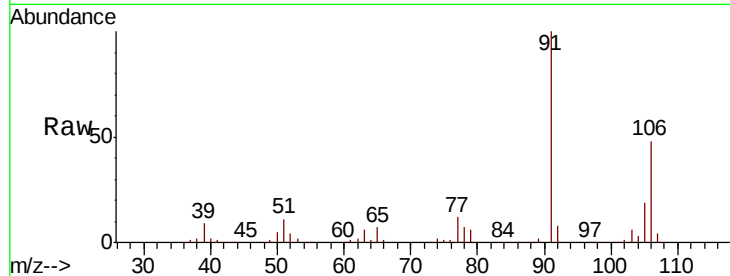




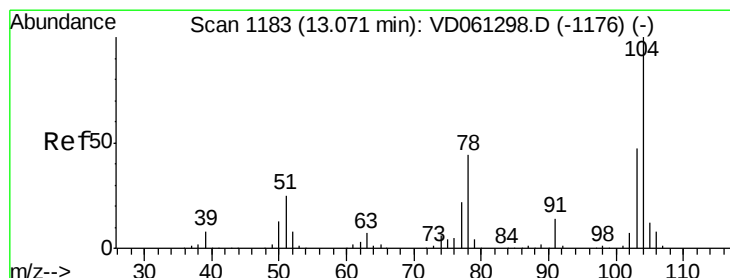
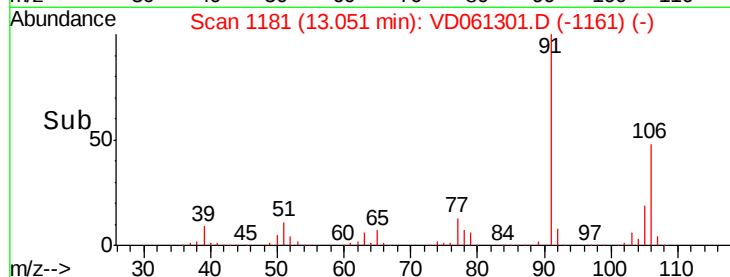
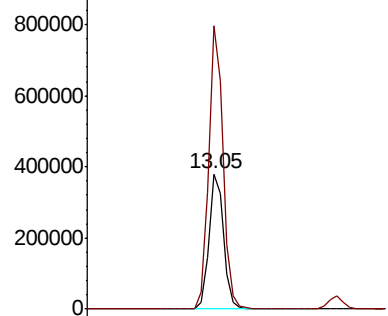
#69
o-Xylene
Concen: 57.062 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD061301.D
Acq: 25 Mar 2019 13:57

Instrument :
MSVOA_D
ClientSampleId :
ICVVD032519

Tot Ion:106 Resp: 596950
Ion Ratio Lower Upper
106 100
91 208.8 102.5 307.5

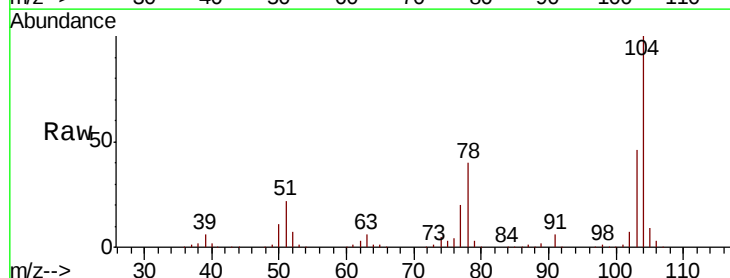


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

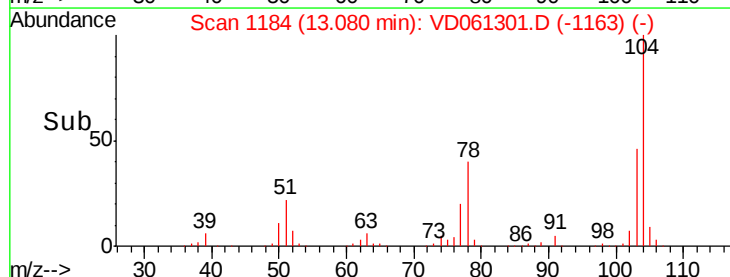
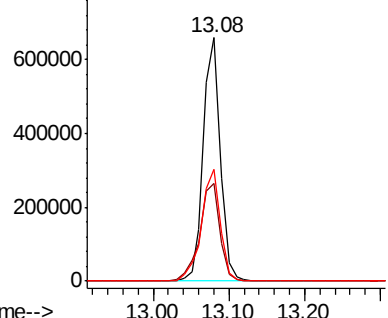


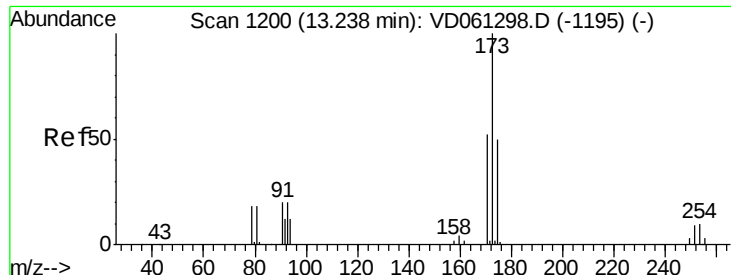
#70
Styrene
Concen: 57.447 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061301.D
Acq: 25 Mar 2019 13:57

Tgt Ion:104 Resp: 1019939
Ion Ratio Lower Upper
104 100
78 40.2 35.1 52.7
103 46.1 37.5 56.3



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: 54.346 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

ICVVD032519

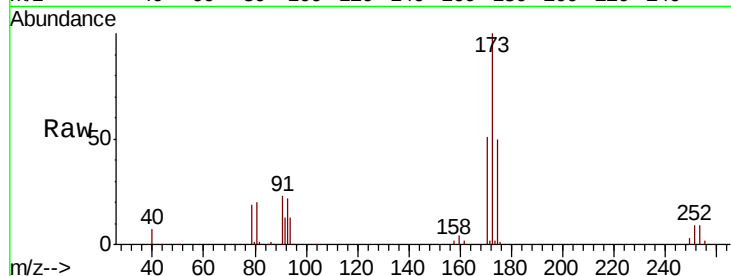
Tot Ion:173 Resp: 243449

Ion Ratio Lower Upper

173 100

175 49.5 24.9 74.7

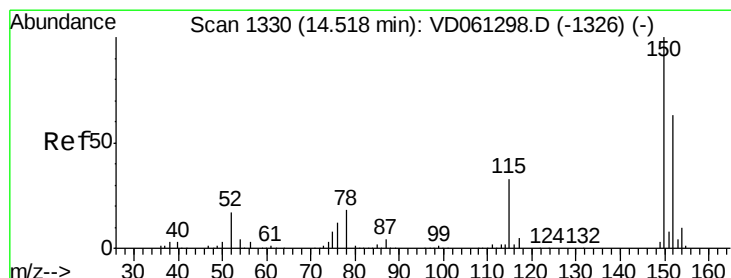
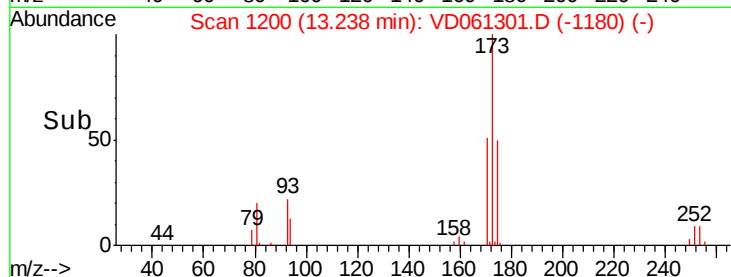
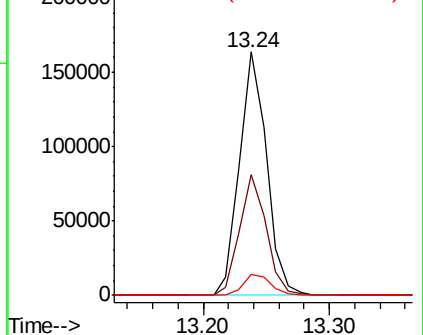
254 8.6 7.8 11.6



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

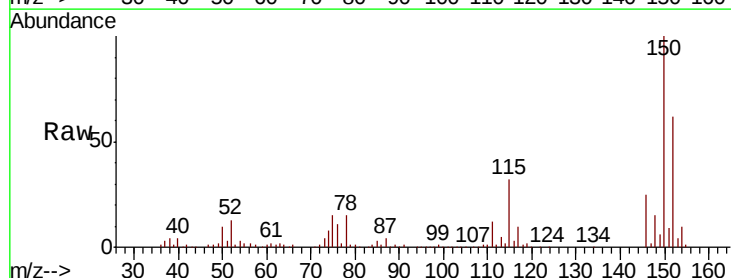
Tgt Ion:152 Resp: 473915

Ion Ratio Lower Upper

152 100

115 51.0 29.2 87.6

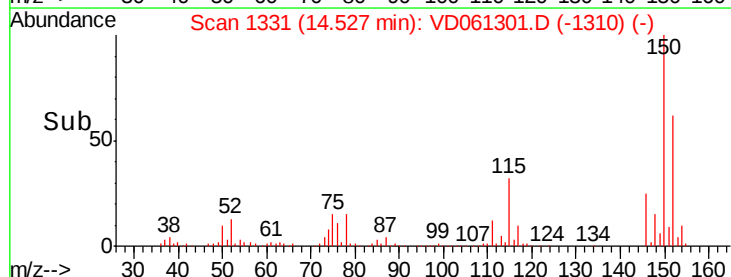
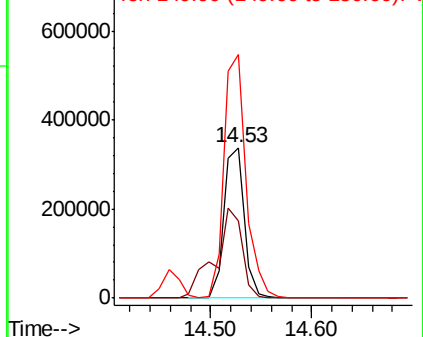
150 161.8 0.0 319.6

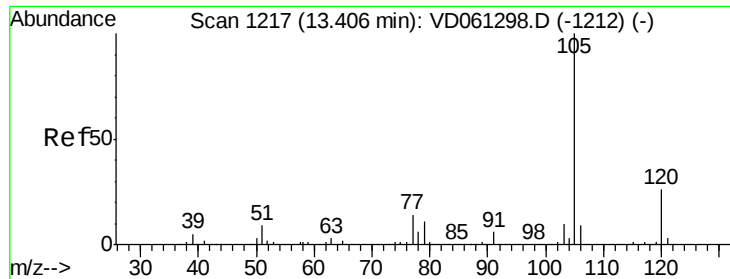


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.565 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

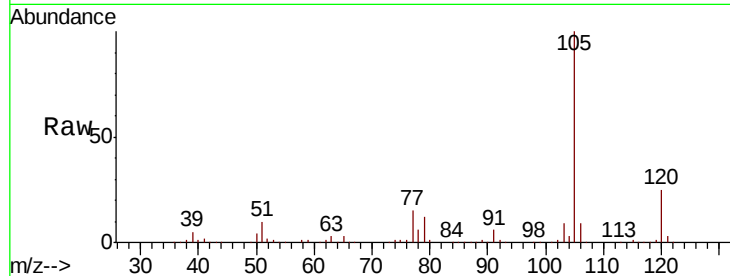
ICVVD032519

Tot Ion:105 Resp: 1681953

Ion Ratio Lower Upper

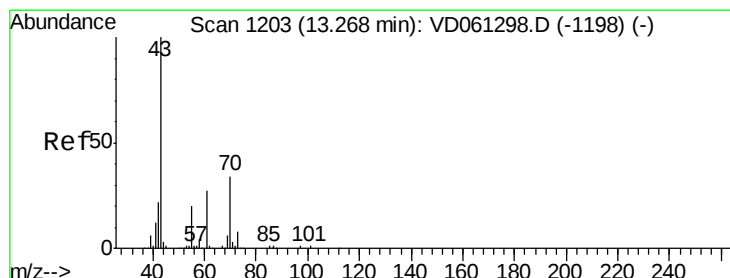
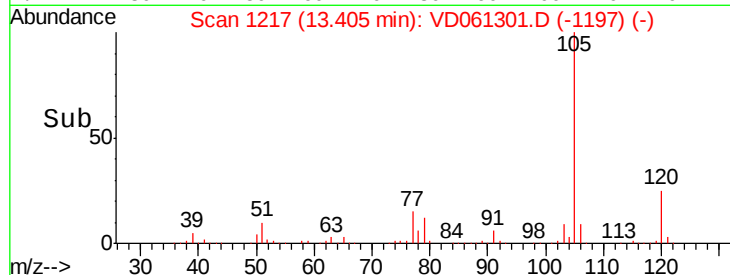
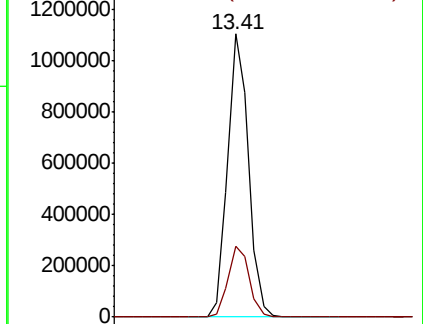
105 100

120 25.1 13.1 39.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 52.736 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

Tgt Ion: 43 Resp: 425291

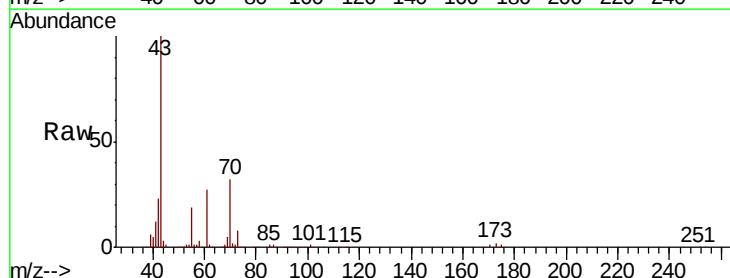
Ion Ratio Lower Upper

43 100

70 31.6 27.5 41.3

55 19.5 15.7 23.5

61 26.8 21.8 32.6

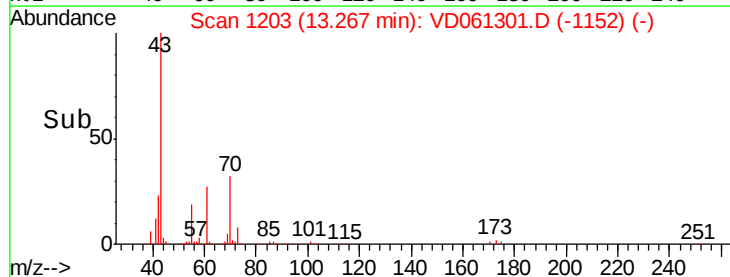
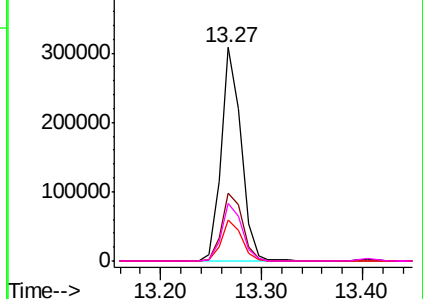


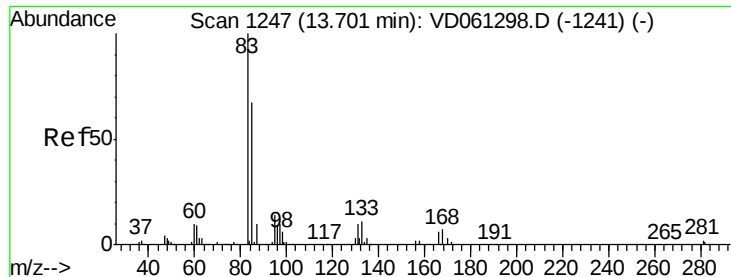
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 52.910 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

ICVVD032519

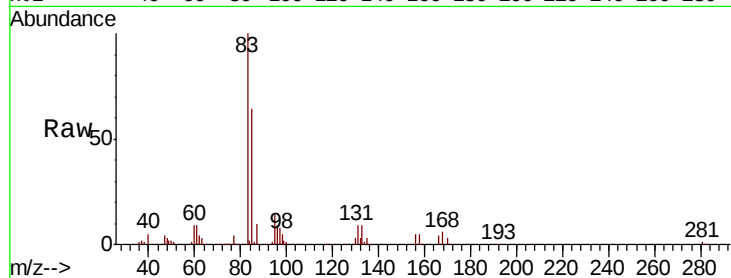
Tot Ion: 83 Resp: 316271

Ion Ratio Lower Upper

83 100

131 9.5 5.0 15.0

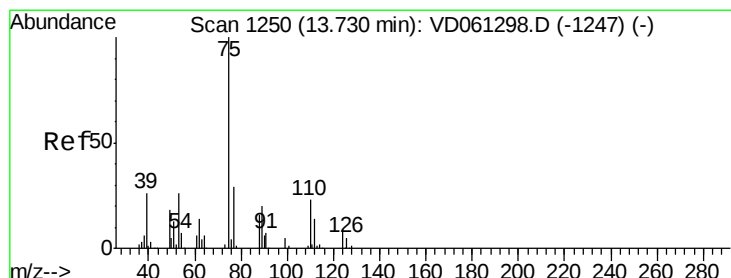
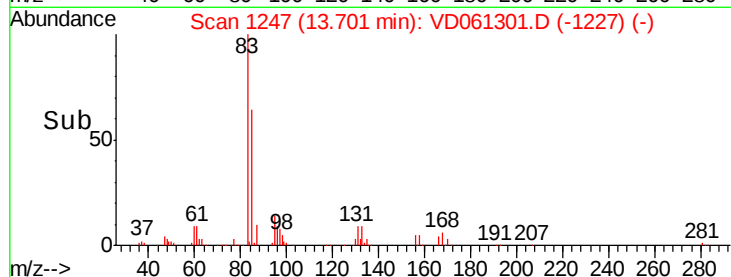
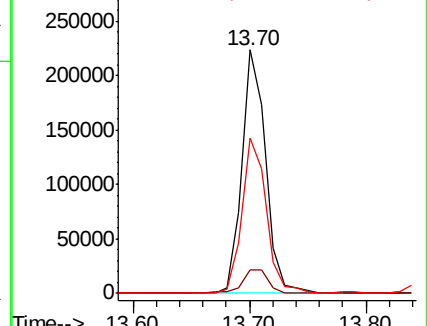
85 63.7 33.4 100.2



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: 53.956 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD061301.D

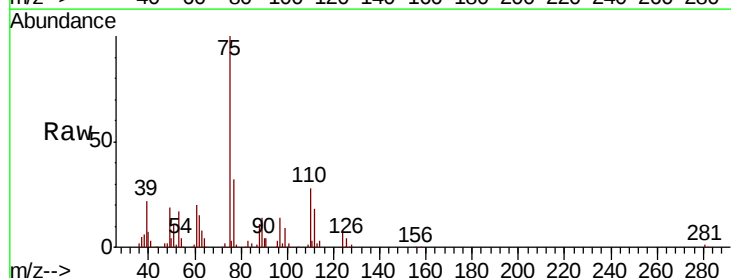
Acq: 25 Mar 2019 13:57

Tgt Ion: 75 Resp: 317999

Ion Ratio Lower Upper

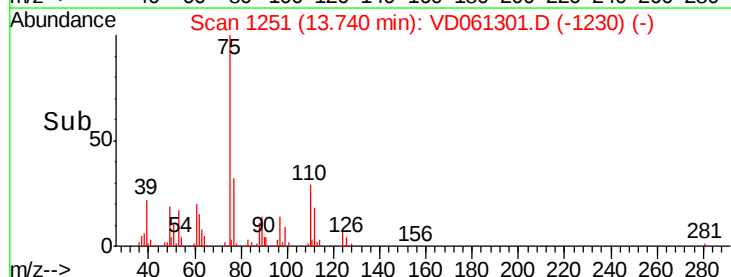
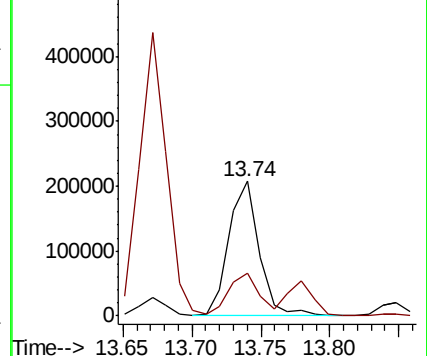
75 100

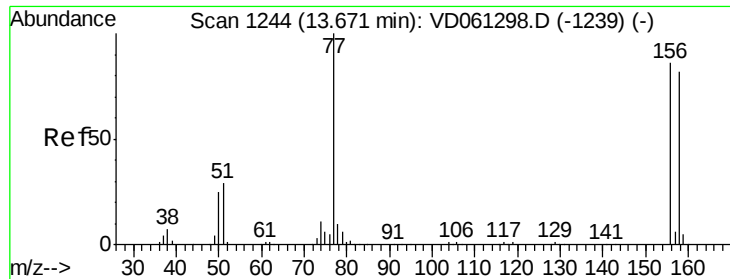
77 31.6 15.8 47.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 56.019 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

ICVVD032519

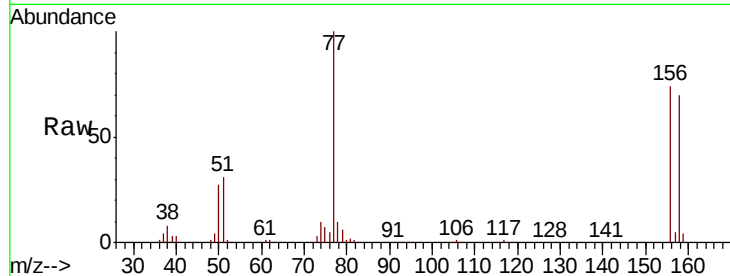
Tot Ion:156 Resp: 482337

Ion Ratio Lower Upper

156 100

77 134.5 58.4 175.1

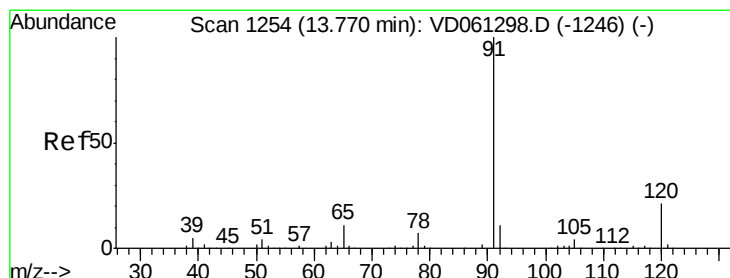
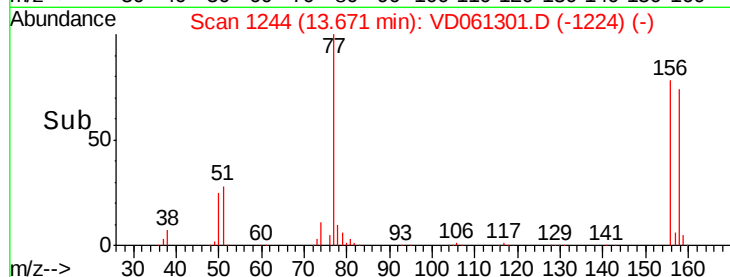
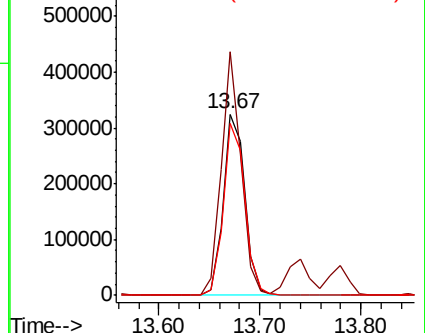
158 94.8 48.1 144.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 56.297 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061301.D

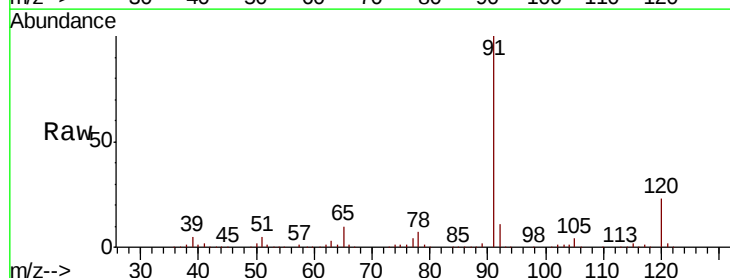
Acq: 25 Mar 2019 13:57

Tgt Ion: 91 Resp: 1957797

Ion Ratio Lower Upper

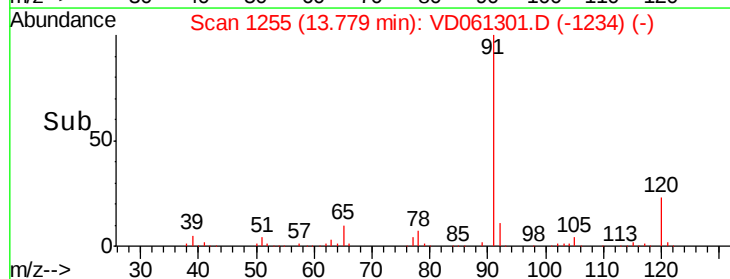
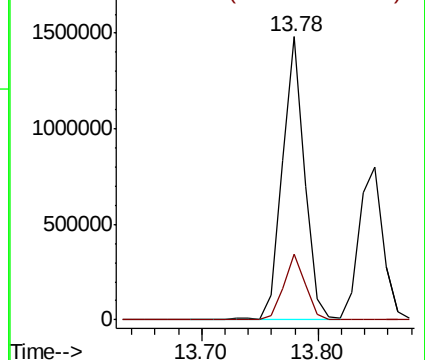
91 100

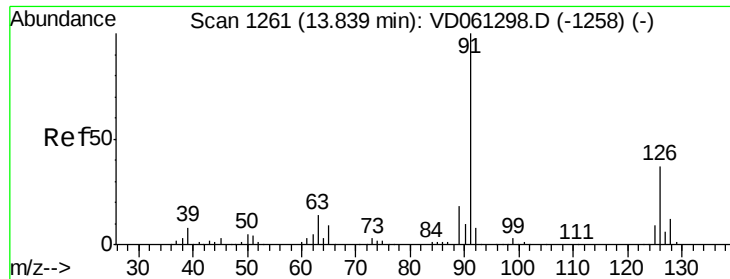
120 23.1 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 56.593 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

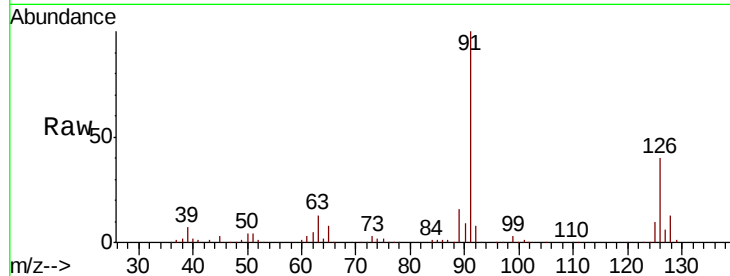
ICVVD032519

Tot Ion: 91 Resp: 1145911

Ion Ratio Lower Upper

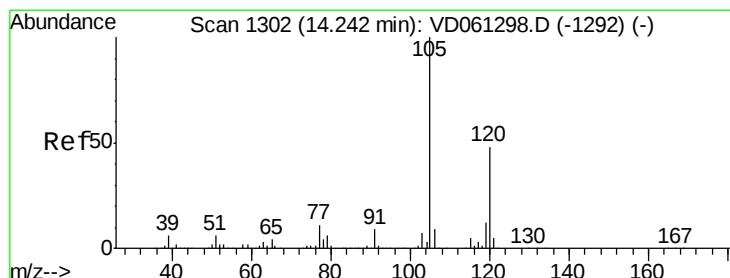
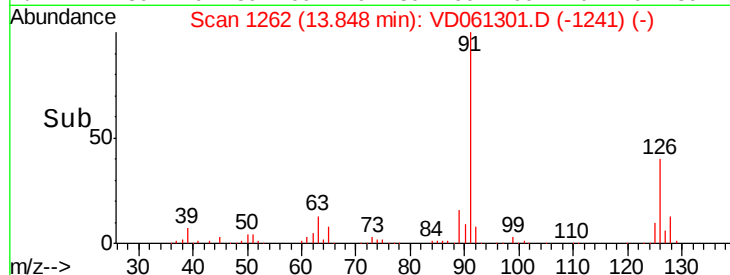
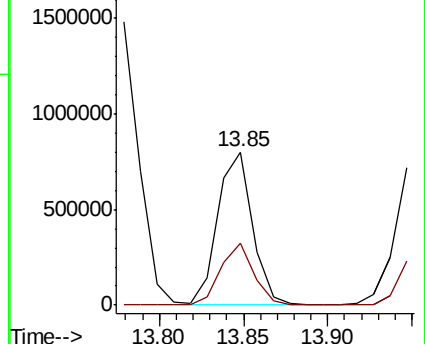
91 100

126 40.0 18.4 55.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 52.240 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VD061301.D

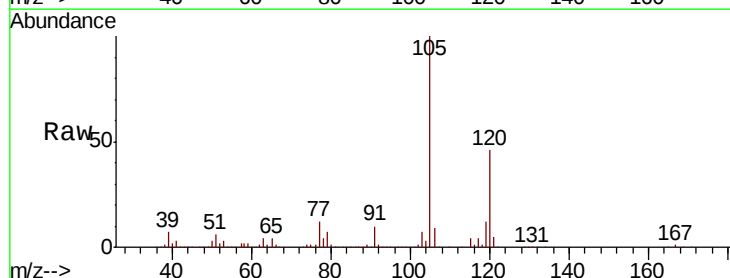
Acq: 25 Mar 2019 13:57

Tgt Ion:105 Resp: 1270319

Ion Ratio Lower Upper

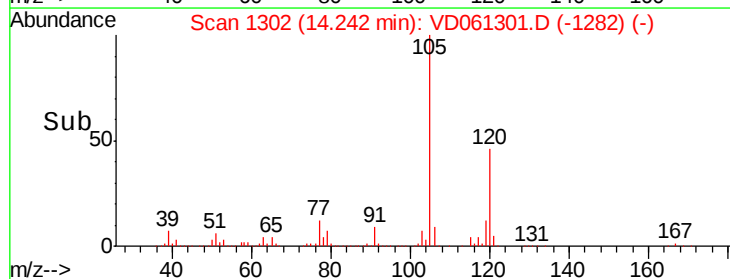
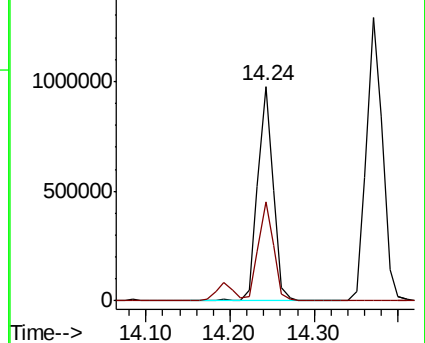
105 100

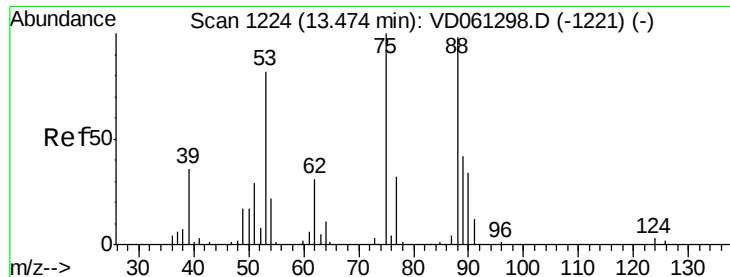
120 46.3 23.8 71.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 53.755 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

ICVVD032519

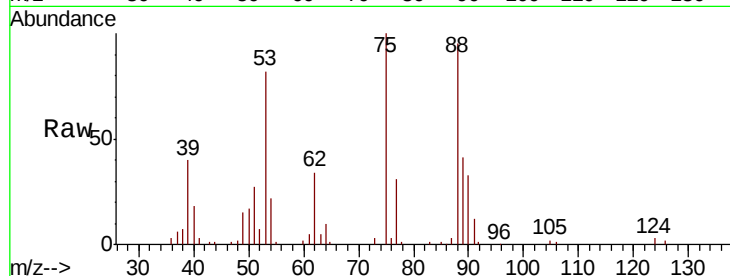
Tot Ion: 75 Resp: 99984

Ion Ratio Lower Upper

75 100

53 81.7 65.3 97.9

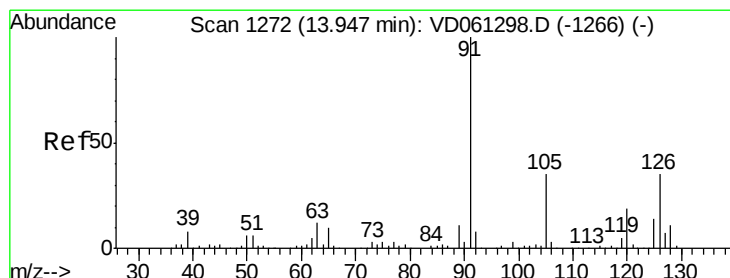
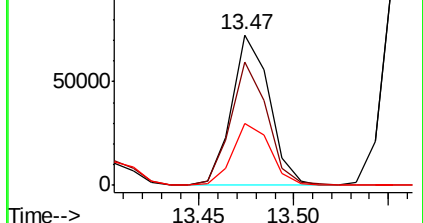
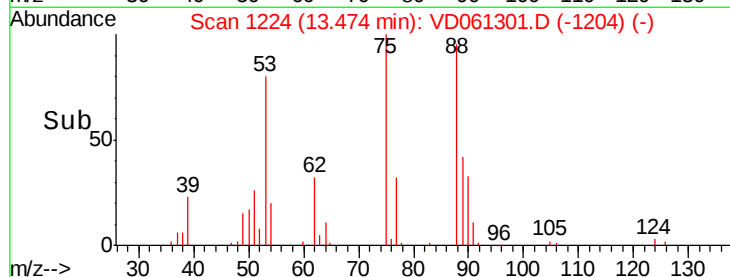
89 41.5 33.8 50.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 54.418 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD061301.D

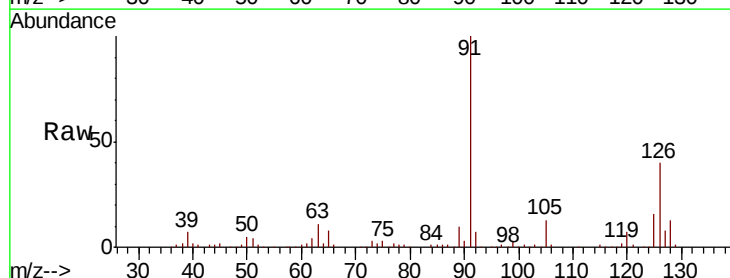
Acq: 25 Mar 2019 13:57

Tgt Ion: 91 Resp: 1204590

Ion Ratio Lower Upper

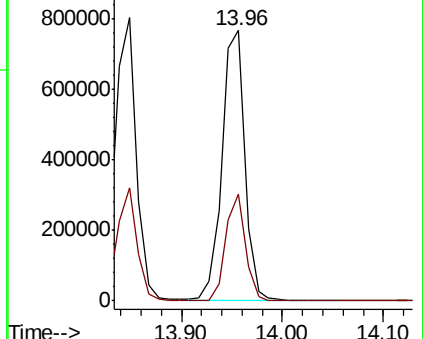
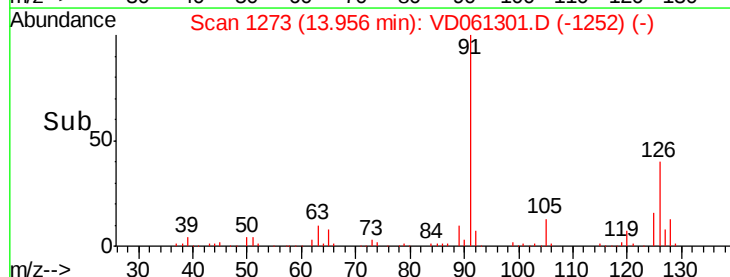
91 100

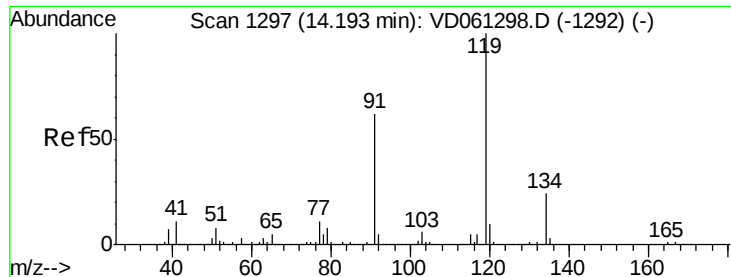
126 39.7 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 55.600 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

ICVVD032519

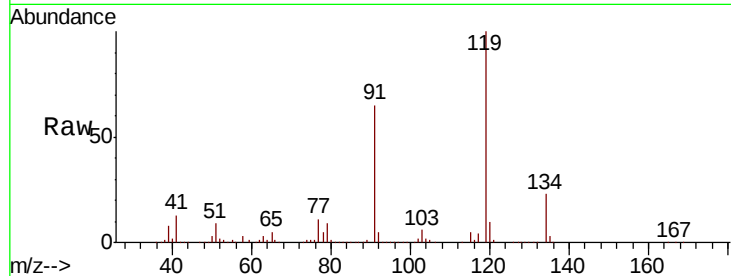
Tot Ion:119 Resp: 1543697

Ion Ratio Lower Upper

119 100

91 64.9 31.1 93.5

134 23.4 11.9 35.7

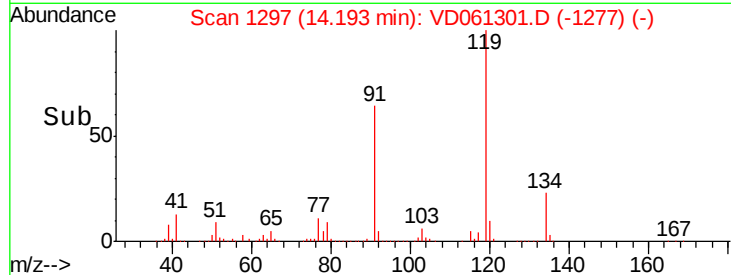


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

Time-->



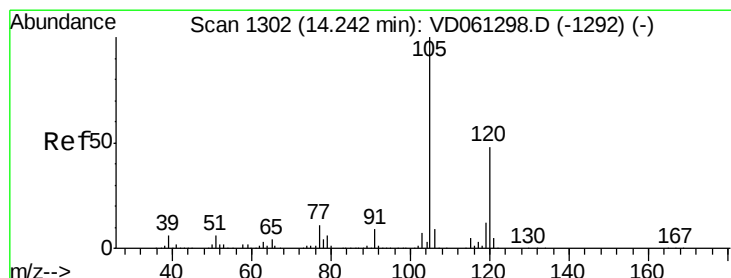
Abundance

Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 52.240 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VD061301.D

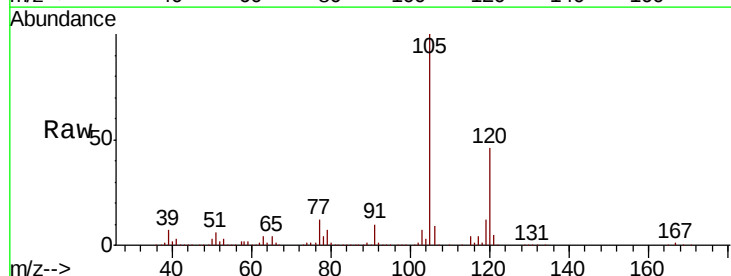
Acq: 25 Mar 2019 13:57

Tgt Ion:105 Resp: 1270319

Ion Ratio Lower Upper

105 100

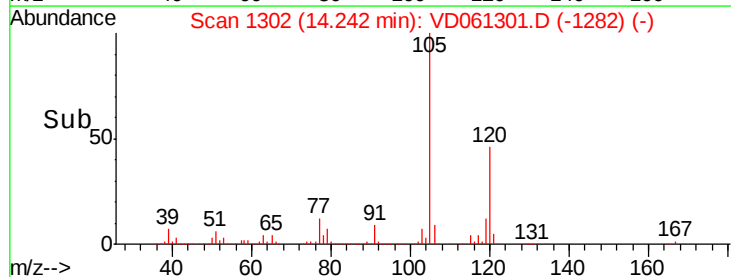
120 46.3 23.8 71.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

Time-->

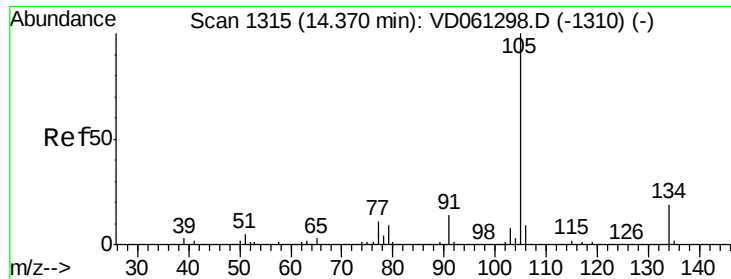


Abundance

Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

Time-->



#85

sec-Butylbenzene

Concen: 55.482 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

Instrument :

MSVOA_D

ClientSampleID :

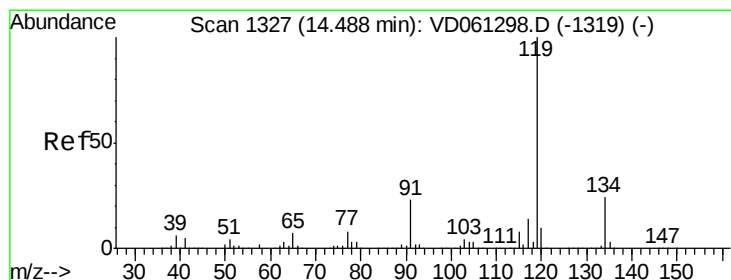
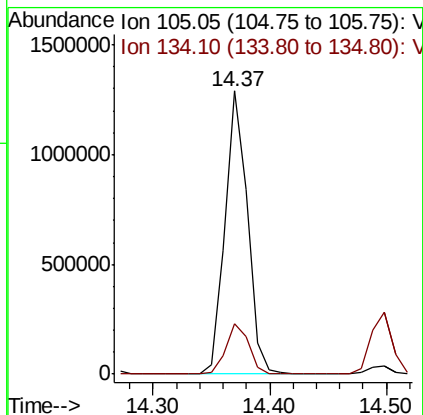
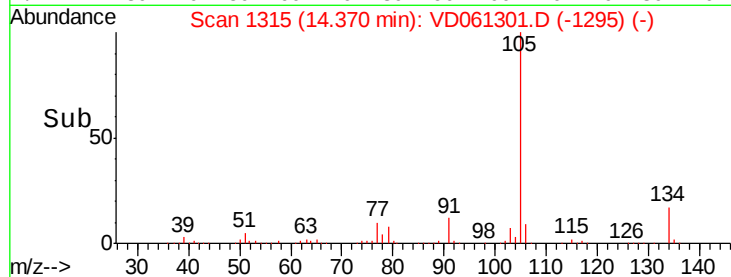
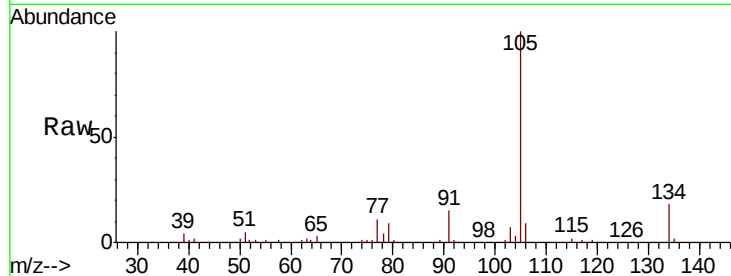
ICVVD032519

Tot Ion:105 Resp: 1715538

Ion Ratio Lower Upper

105 100

134 17.9 9.5 28.5



#86

p-Isopropyltoluene

Concen: 53.478 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

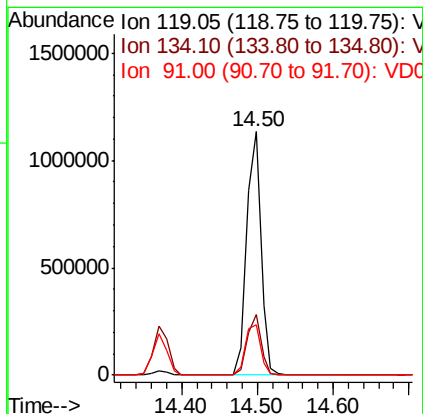
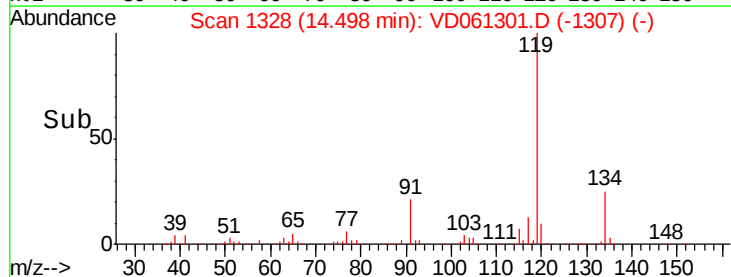
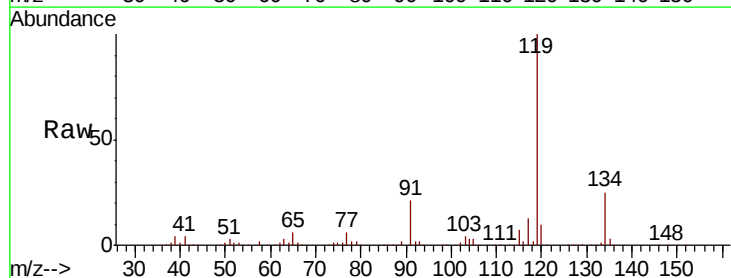
Tgt Ion:119 Resp: 1475230

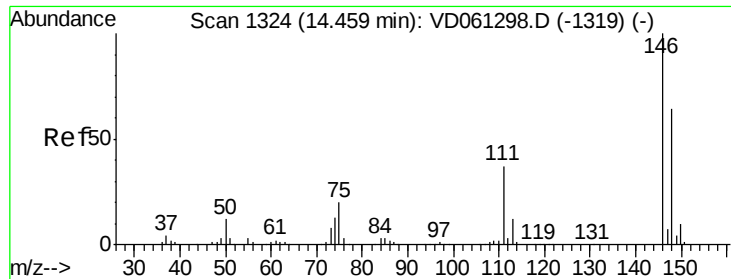
Ion Ratio Lower Upper

119 100

134 24.8 12.1 36.3

91 20.7 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 52.622 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

ICVVD032519

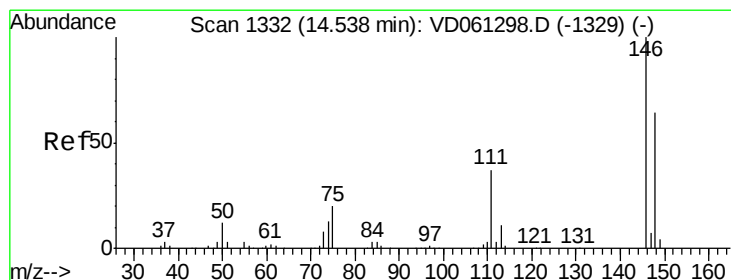
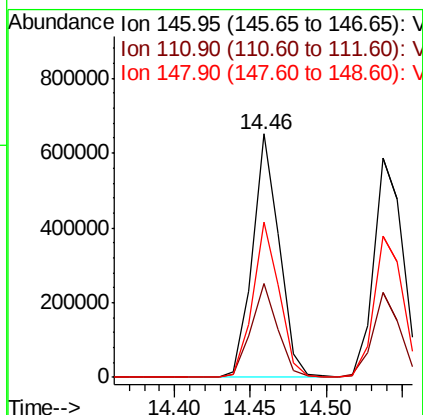
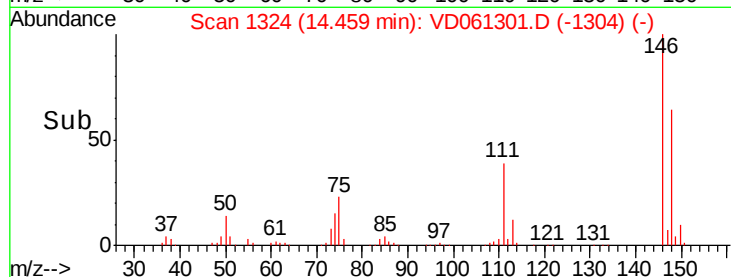
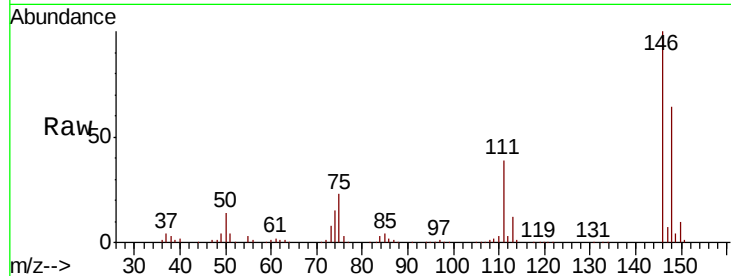
Tot Ion:146 Resp: 803112

Ion Ratio Lower Upper

146 100

111 38.6 18.4 55.0

148 63.9 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 53.401 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. -0.00 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

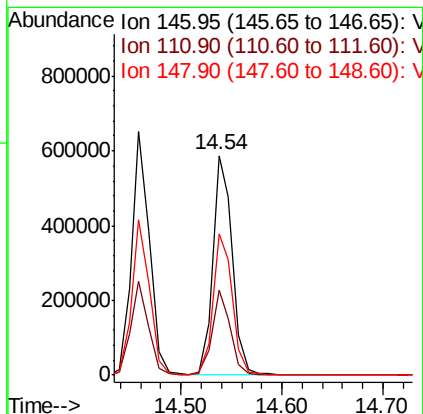
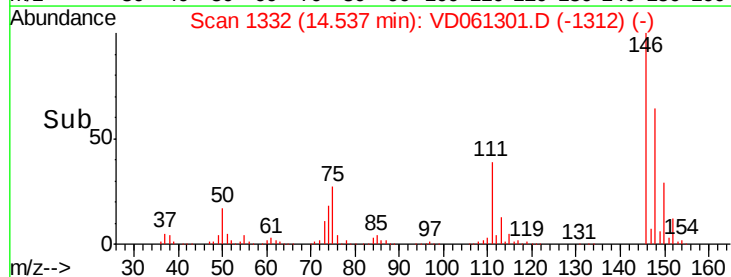
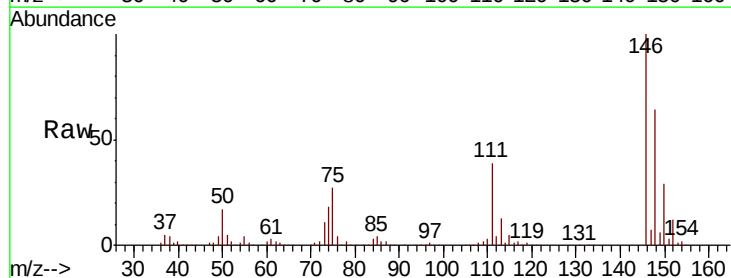
Tgt Ion:146 Resp: 789467

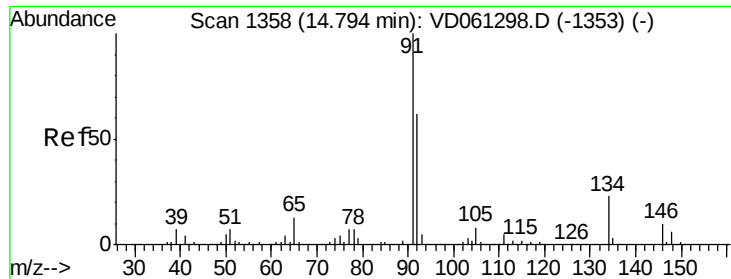
Ion Ratio Lower Upper

146 100

111 38.9 18.6 55.6

148 64.3 31.9 95.5





#89

n-Butylbenzene

Concen: 51.882 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD061301.D

Acq: 25 Mar 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

ICVVD032519

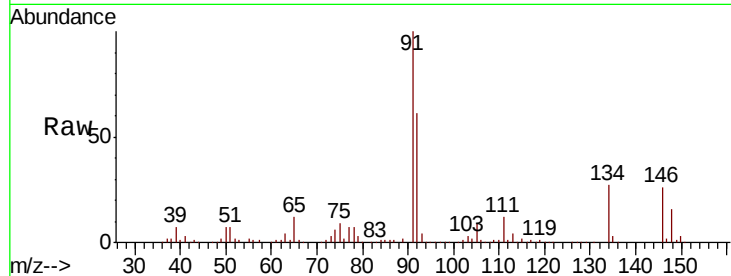
Tot Ion: 91 Resp: 1270658

Ion Ratio Lower Upper

91 100

92 61.1 30.9 92.7

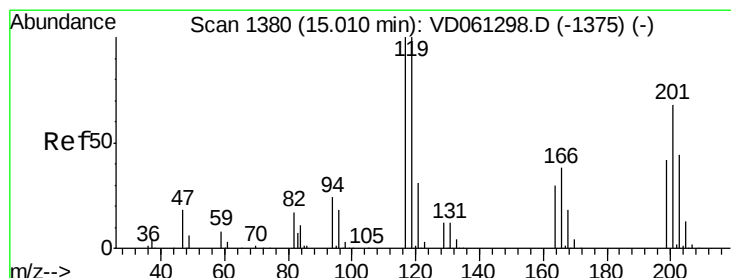
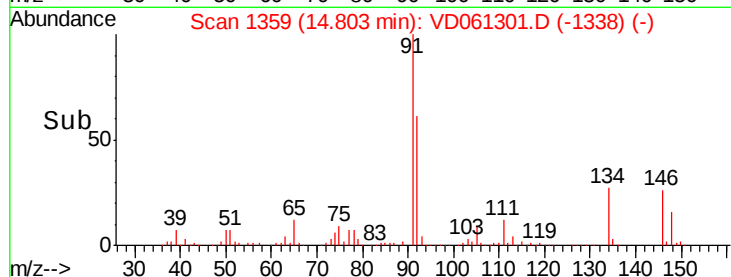
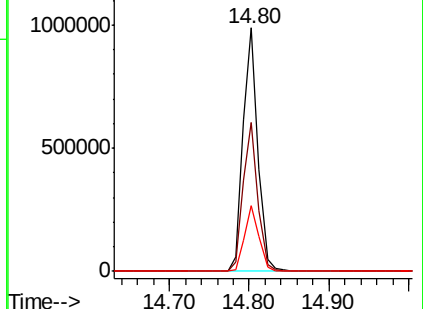
134 27.2 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 56.664 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD061301.D

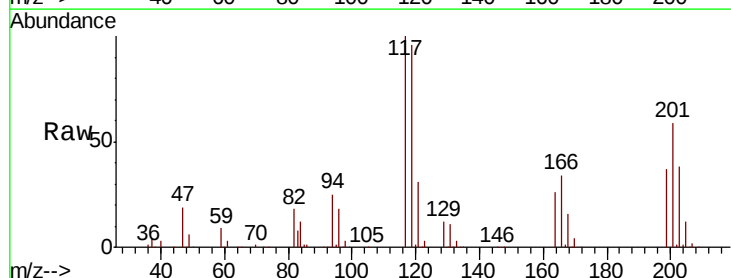
Acq: 25 Mar 2019 13:57

Tgt Ion: 117 Resp: 419096

Ion Ratio Lower Upper

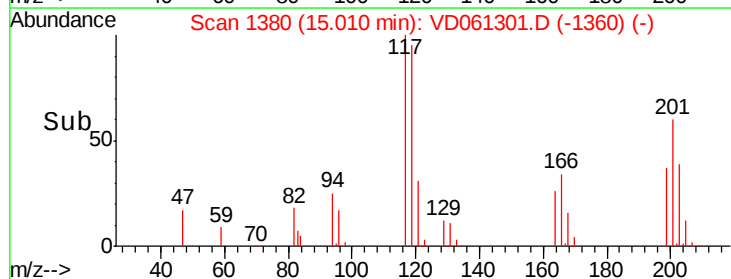
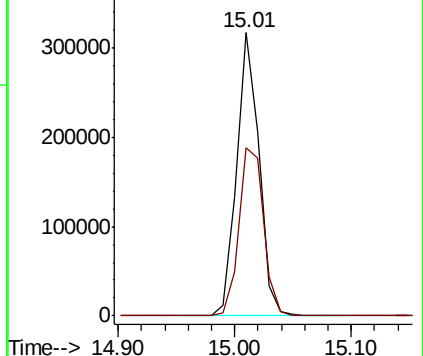
117 100

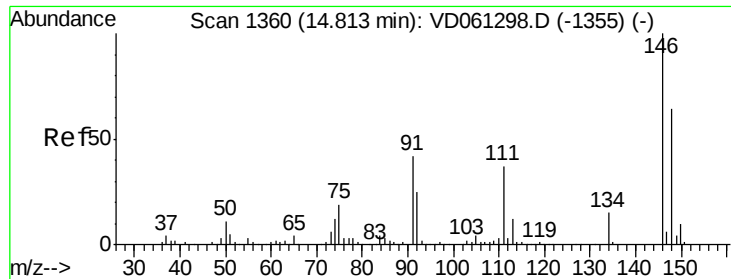
201 59.3 34.0 101.8



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

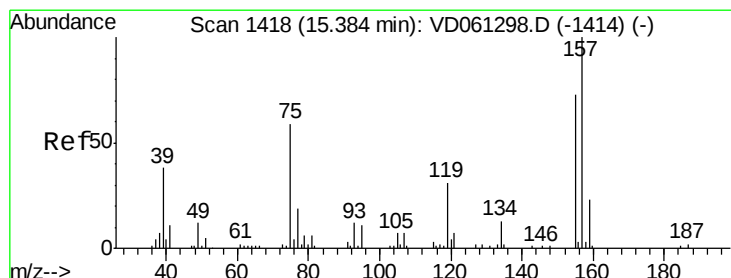
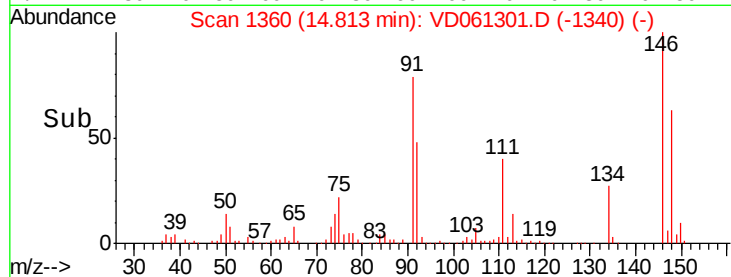
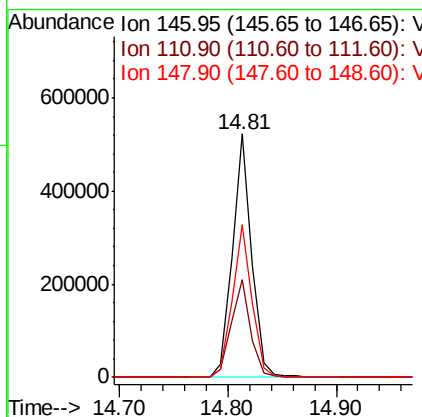
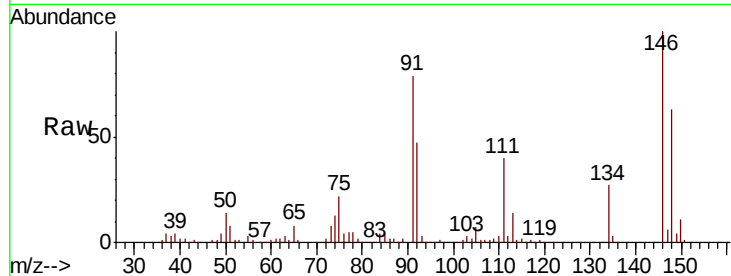




#91
 1,2-Dichlorobenzene
 Concen: 52.592 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD061301.D
 Acq: 25 Mar 2019 13:57

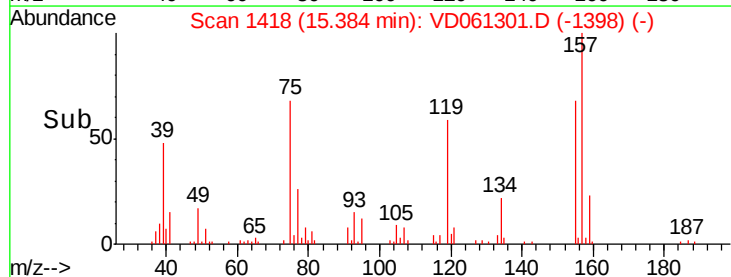
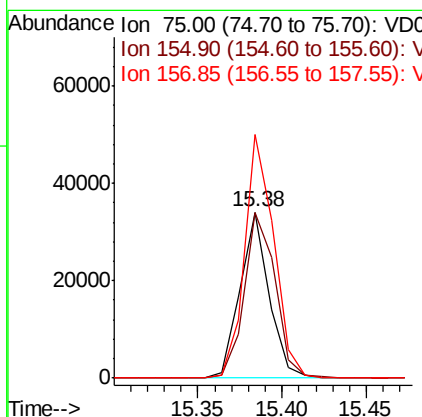
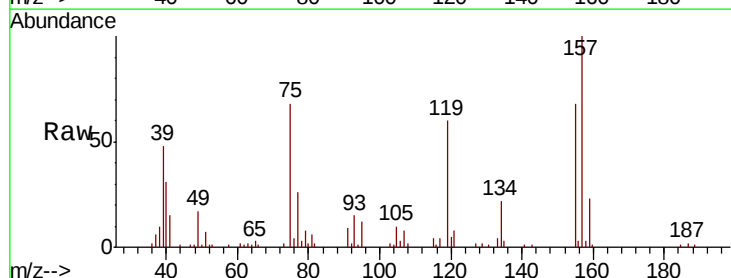
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD032519

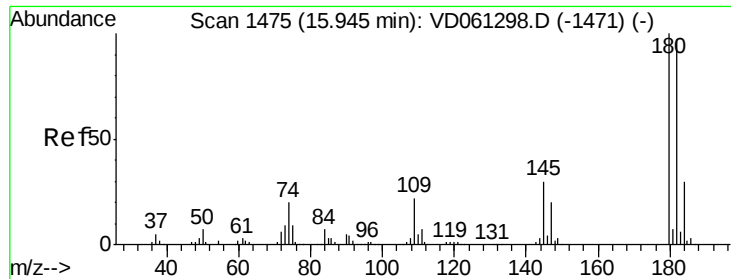
Tot Ion:146 Resp: 640461
 Ion Ratio Lower Upper
 146 100
 111 40.3 18.3 54.8
 148 62.7 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.313 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD061301.D
 Acq: 25 Mar 2019 13:57

Tgt Ion: 75 Resp: 40569
 Ion Ratio Lower Upper
 75 100
 155 99.6 61.9 185.7
 157 146.7 84.4 253.2

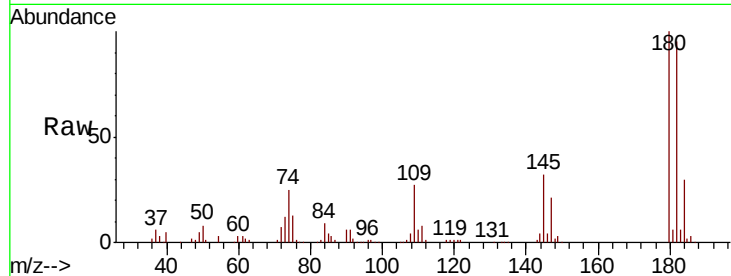




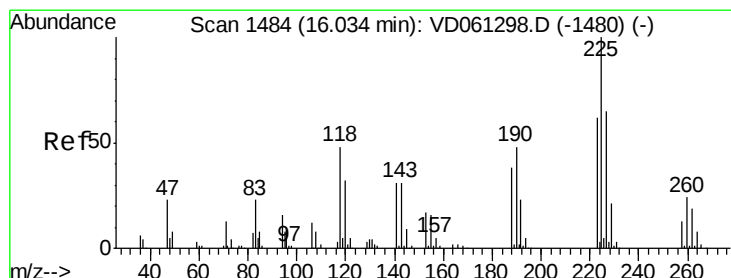
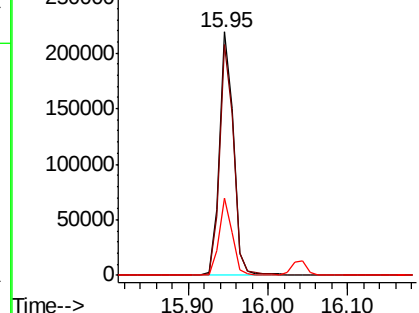
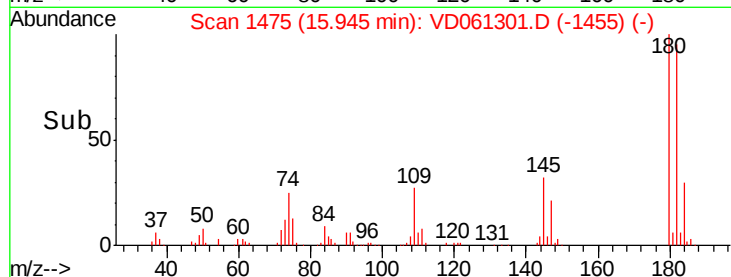
#93
 1,2,4-Trichlorobenzene
 Concen: 48.693 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD061301.D
 Acq: 25 Mar 2019 13:57

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD032519

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.3	144.9
145	31.9	14.8	44.4

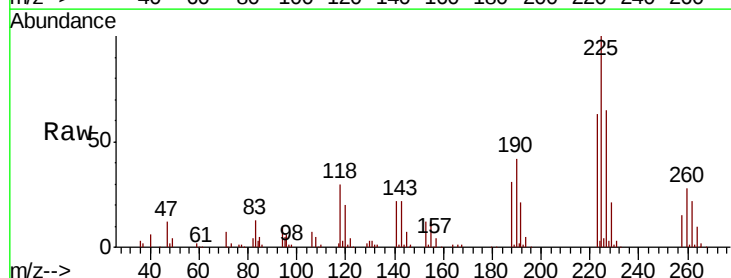


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

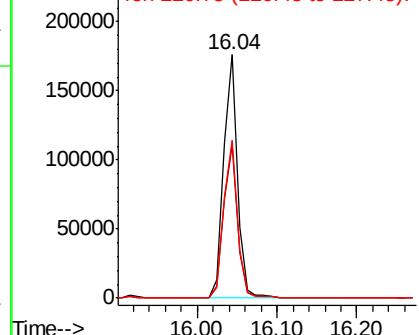
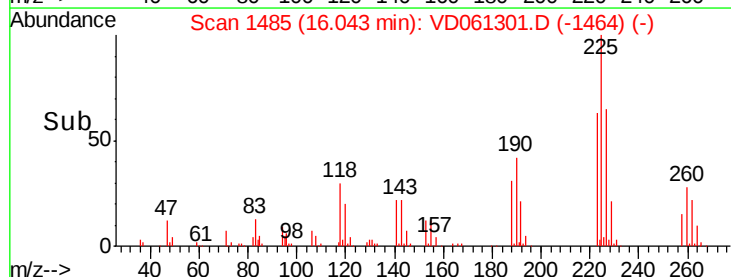


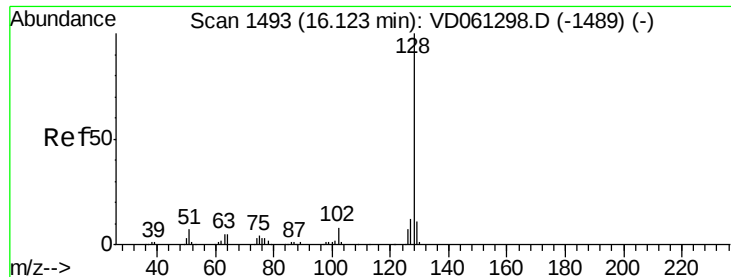
#94
 Hexachlorobutadiene
 Concen: 48.128 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061301.D
 Acq: 25 Mar 2019 13:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	30.9	92.8
227	64.6	32.6	97.7



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

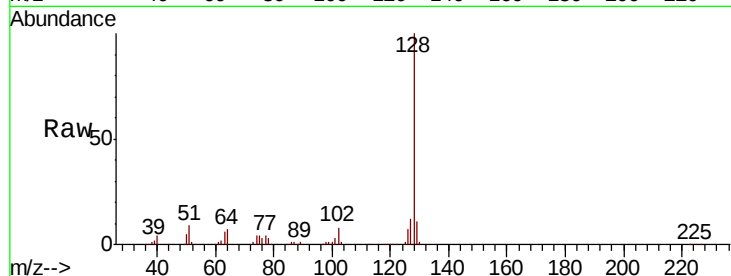




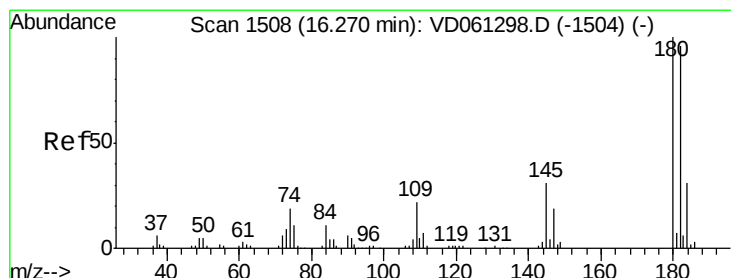
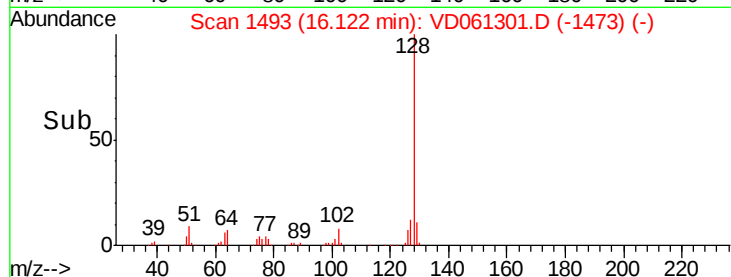
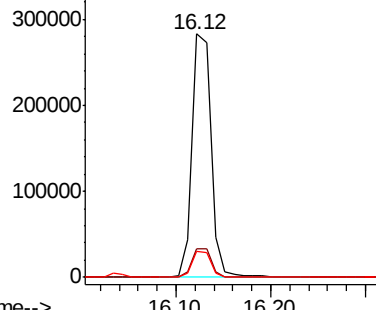
#95
Naphthalene
Concen: 48.092 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061301.D
Acq: 25 Mar 2019 13:57

Instrument :
MSVOA_D
ClientSampleId :
ICVVD032519

Tot Ion:128 Resp: 394657
Ion Ratio Lower Upper
128 100
127 11.9 9.8 14.6
129 10.7 8.6 12.8

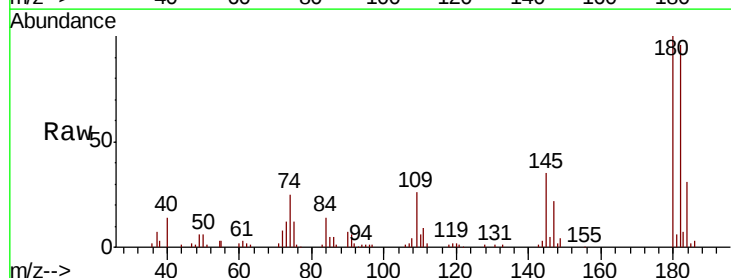


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 44.095 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD061301.D
Acq: 25 Mar 2019 13:57

Tgt Ion:180 Resp: 115830
Ion Ratio Lower Upper
180 100
182 95.8 48.0 144.2
145 34.9 15.4 46.4



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

