

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071919\
 Data File : VD063166.D
 Acq On : 19 Jul 2019 20:59
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 20 05:03:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	634839	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	853722	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	773176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	405723	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	364925	46.15	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.30%		
35) Dibromofluoromethane	6.92	113	406988	47.86	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.72%		
50) Toluene-d8	10.41	98	800017	43.80	ug/l	0.00
Spiked Amount 50.000			Recovery =	87.60%		
62) 4-Bromofluorobenzene	13.56	95	401464	47.51	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.02%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	336894	49.851	ug/l	98
3) Chloromethane	1.74	50	264118	45.668	ug/l #	84
4) Vinyl Chloride	1.84	62	283382	41.824	ug/l	99
5) Bromomethane	2.15	94	148711	58.107	ug/l	92
6) Chloroethane	2.26	64	141583	44.985	ug/l #	86
7) Trichlorofluoromethane	2.52	101	647256	47.190	ug/l	95
8) Diethyl Ether	2.87	74	99737	51.693	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.14	101	353729	44.726	ug/l	96
10) Methyl Iodide	3.30	142	431718	44.464	ug/l	98
11) Tert butyl alcohol	4.08	59	113290	248.232	ug/l	98
12) 1,1-Dichloroethene	3.12	96	251752	44.826	ug/l	88
13) Acrolein	3.02	56	12845	93.252	ug/l #	75
14) Allyl chloride	3.62	41	406426	46.045	ug/l	93
15) Acrylonitrile	4.20	53	259524	257.247	ug/l	99
16) Acetone	3.22	43	415592	217.582	ug/l	96
17) Carbon Disulfide	3.37	76	636835	39.615	ug/l	98
18) Methyl Acetate	3.63	43	149627	58.608	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	680654	48.011	ug/l	99
20) Methylene Chloride	3.81	84	294216	40.773	ug/l	98
21) trans-1,2-Dichloroethene	4.21	96	276513	44.351	ug/l	92
22) Diisopropyl ether	5.12	45	898683	46.829	ug/l	96
23) Vinyl Acetate	5.05	43	2927555	261.477	ug/l	99
24) 1,1-Dichloroethane	4.98	63	573038	48.475	ug/l	98
25) 2-Butanone	6.08	43	465306	255.111	ug/l	95
26) 2,2-Dichloropropane	6.03	77	570448	43.602	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	326125	45.984	ug/l	90
28) Bromochloromethane	6.44	49	198943	46.388	ug/l	90
29) Tetrahydrofuran	6.46	42	203524	246.157	ug/l	99
30) Chloroform	6.67	83	737415	50.651	ug/l	97
31) Cyclohexane	6.95	56	329066	43.710	ug/l	92
32) 1,1,1-Trichloroethane	6.87	97	728528	50.747	ug/l	93
36) 1,1-Dichloropropene	7.15	75	436929	45.506	ug/l	94
37) Ethyl Acetate	6.18	43	235446	57.297	ug/l #	94
38) Carbon Tetrachloride	7.11	117	769095	52.714	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	372779	44.908	ug/l	95
40) Benzene	7.45	78	899429	44.726	ug/l	95
41) Methacrylonitrile	6.45	41	268171	48.136	ug/l #	88
42) 1,2-Dichloroethane	7.58	62	568727	53.084	ug/l	99
43) Isopropyl Acetate	9.25	43	315324	53.535	ug/l #	96
44) Trichloroethene	8.54	130	361539	46.520	ug/l	97
45) 1,2-Dichloropropane	8.94	63	237630	47.395	ug/l	94
46) Dibromomethane	9.07	93	220978	51.289	ug/l	88
47) Bromodichloromethane	9.38	83	591111	52.576	ug/l	97
48) Methyl methacrylate	9.13	41	195657	50.584	ug/l #	85
49) 1,4-Dioxane	9.09	88	36399	1091.161	ug/l #	77
51) 4-Methyl-2-Pentanone	10.31	43	1134459	290.396	ug/l	98
52) Toluene	10.52	92	667916	49.738	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	474383	49.248	ug/l	94
54) cis-1,3-Dichloropropene	10.04	75	474114	47.602	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	232750	50.154	ug/l	96
56) Ethyl methacrylate	11.05	69	276797	53.383	ug/l	94
57) 1,3-Dichloropropane	11.41	76	378785	53.640	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	644121	223.103	ug/l	97
59) 2-Hexanone	11.54	43	777559	258.086	ug/l	99
60) Dibromochloromethane	11.69	129	438428	49.285	ug/l	93
61) 1,2-Dibromoethane	11.81	107	301971	54.361	ug/l	92
64) Tetrachloroethene	11.26	164	364597	48.598	ug/l	97
65) Chlorobenzene	12.41	112	844924	46.488	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	386137	45.824	ug/l	97
67) Ethyl Benzene	12.52	91	1467265	46.462	ug/l	98
68) m/p-Xylenes	12.67	106	957433	84.647	ug/l	98
69) o-Xylene	13.06	106	484099	45.137	ug/l	96
70) Styrene	13.08	104	804826	42.871	ug/l	98
71) Bromoform	13.23	173	308061	52.219	ug/l	96
73) Isopropylbenzene	13.41	105	1528793	48.792	ug/l	99
74) N-amyl acetate	13.27	43	443945	50.804	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	316202	55.466	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	331346	53.090	ug/l	98
77) Bromobenzene	13.68	156	442756	49.829	ug/l	97
78) n-propylbenzene	13.77	91	1807222	50.121	ug/l	98
79) 2-Chlorotoluene	13.84	91	1050877	48.203	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	1211814	44.376	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	77563	47.193	ug/l	87
82) 4-Chlorotoluene	13.95	91	1195744	46.970	ug/l	100
83) tert-Butylbenzene	14.19	119	1452405	47.038	ug/l	84
84) 1,2,4-Trimethylbenzene	14.24	105	1285253	47.208	ug/l	98
85) sec-Butylbenzene	14.37	105	1483182	45.210	ug/l	93
86) p-Isopropyltoluene	14.49	119	1455804	47.568	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	734124	46.264	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	718988	47.263	ug/l	96
89) n-Butylbenzene	14.80	91	1305547	46.282	ug/l	98
90) Hexachloroethane	15.01	117	382871	46.797	ug/l	76
91) 1,2-Dichlorobenzene	14.81	146	656471	46.460	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	57271	52.412	ug/l	87

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Quant Time: Jul 20 05:03:16 2019
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Quant Title : SW846 8260
QLast Update : Tue Jul 16 08:11:56 2019
Response via : Initial Calibration

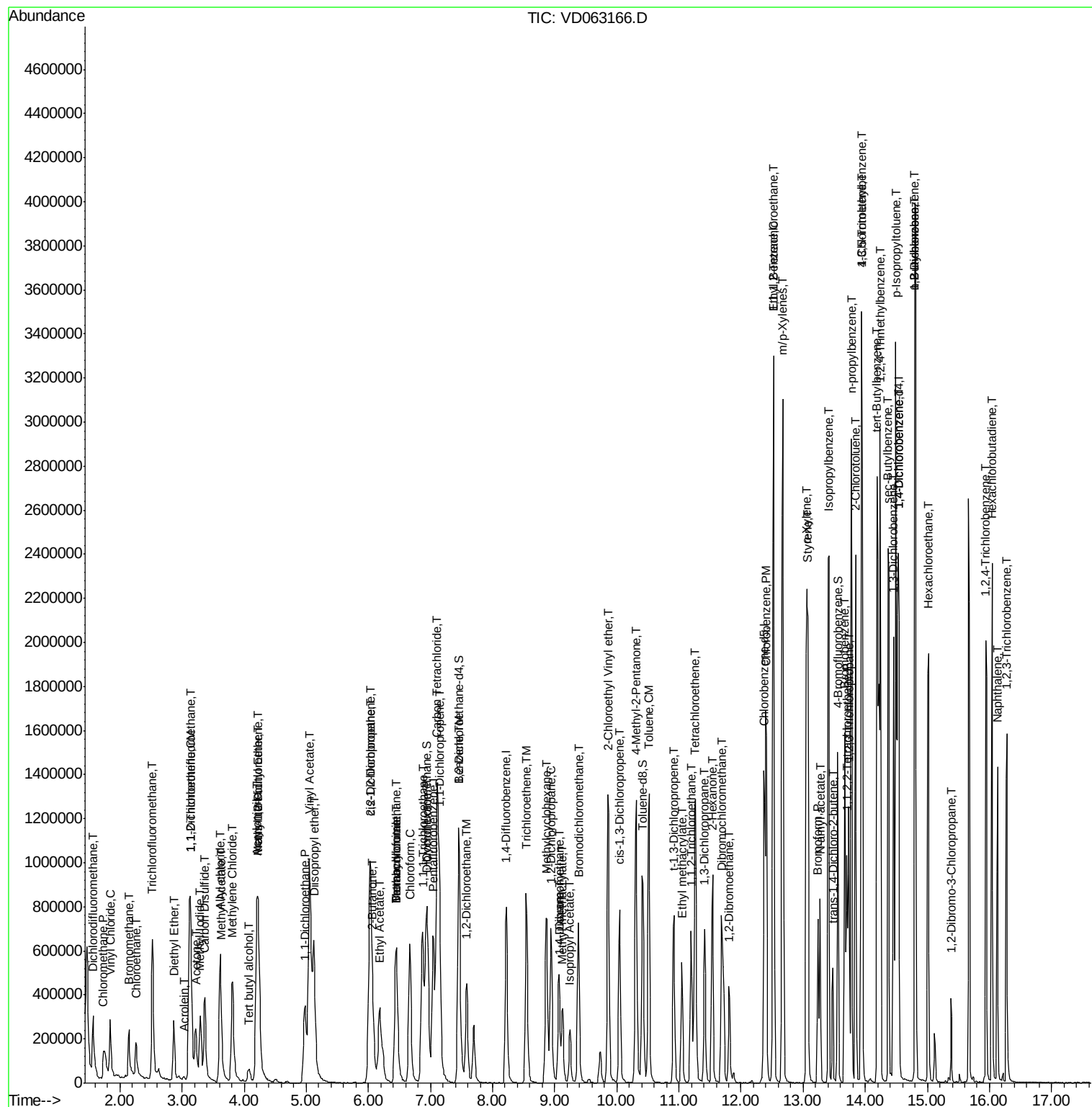
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	549576	51.770	ug/l	97
94) Hexachlorobutadiene	16.04	225	379579	48.511	ug/l	96
95) Naphthalene	16.13	128	844426	54.380	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	430525	50.414	ug/l	97

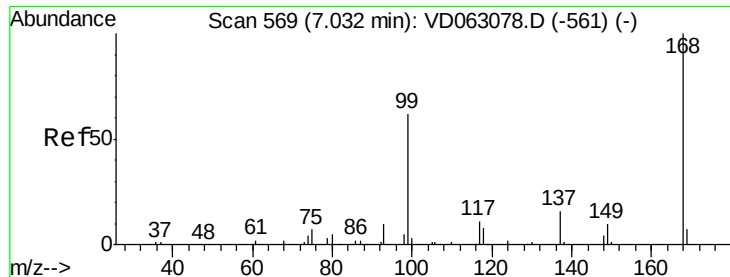
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 MSVOA_D
 ClientSampleId :

Quant Time: Jul 19 23:02:59 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA_D

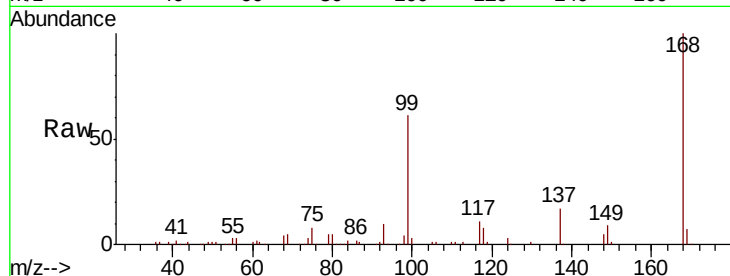
ClientSampleId :

Tot Ion:168 Resp: 634839

Ion Ratio Lower Upper

168 100

99 60.9 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

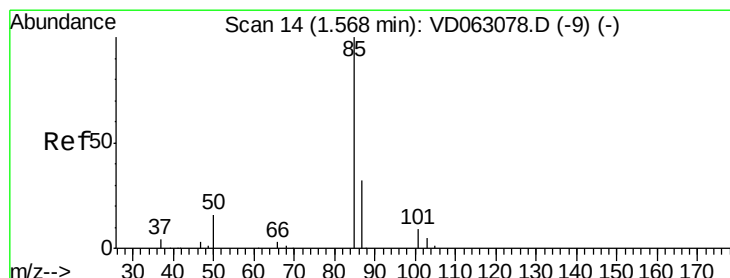
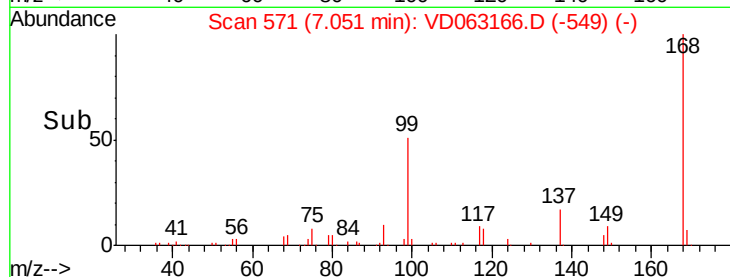
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 49.851 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD063166.D

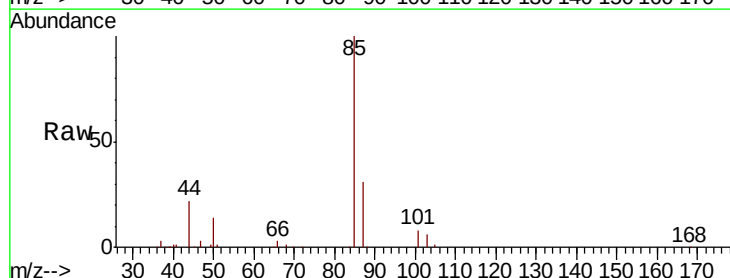
Acq: 19 Jul 2019 20:59

Tgt Ion: 85 Resp: 336894

Ion Ratio Lower Upper

85 100

87 30.9 15.9 47.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

150000

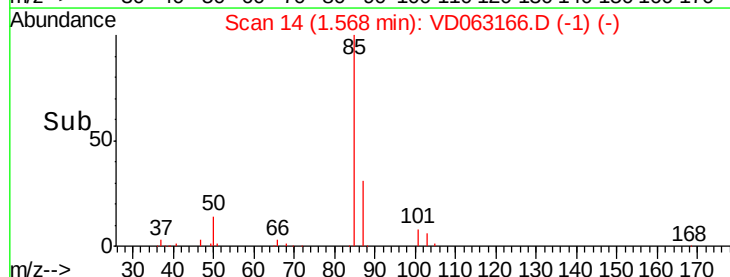
100000

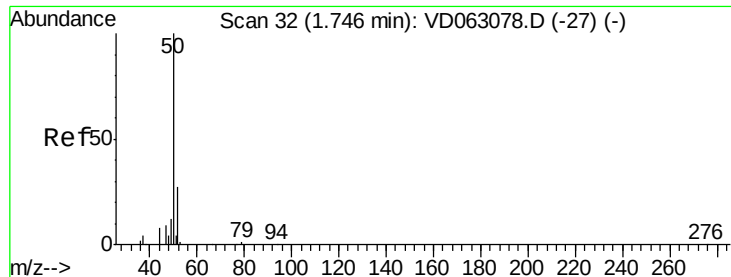
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 45.668 ug/l

RT: 1.74 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA_D

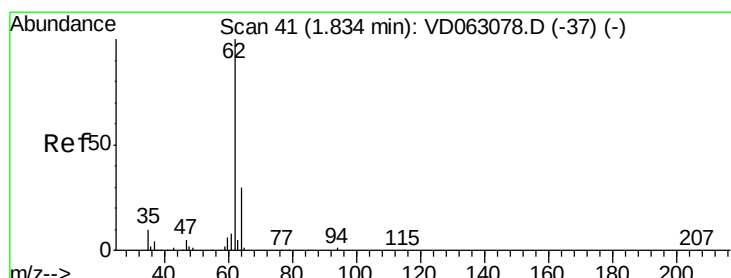
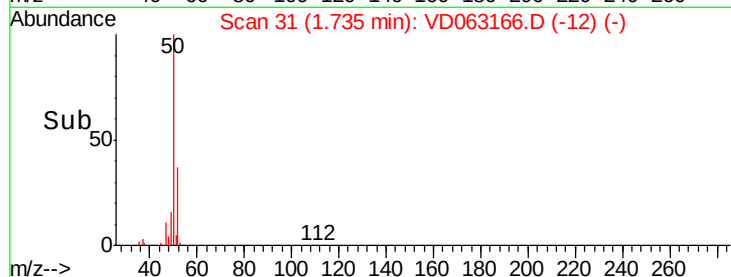
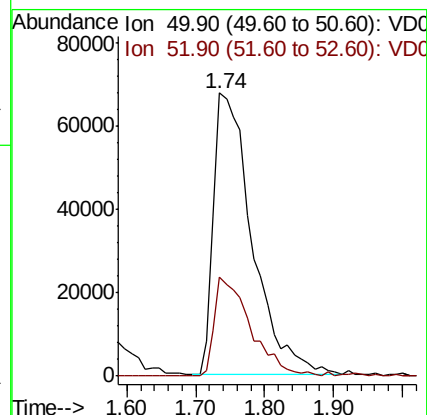
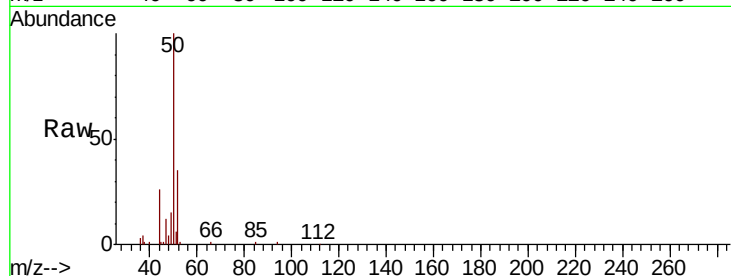
ClientSampleId :

Tot Ion: 50 Resp: 264118

Ion Ratio Lower Upper

50 100

52 35.2 21.4 32.2#



#4

Vinyl Chloride

Concen: 41.824 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.01 min

Lab File: VD063166.D

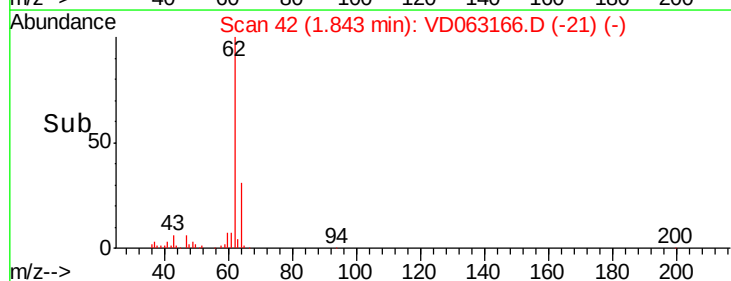
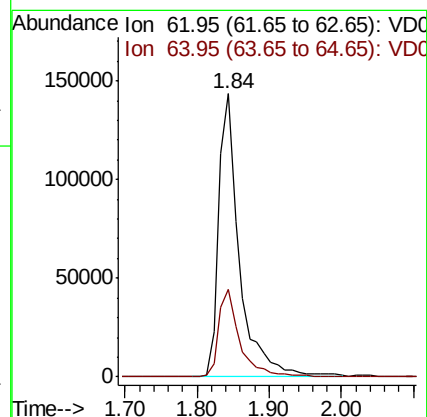
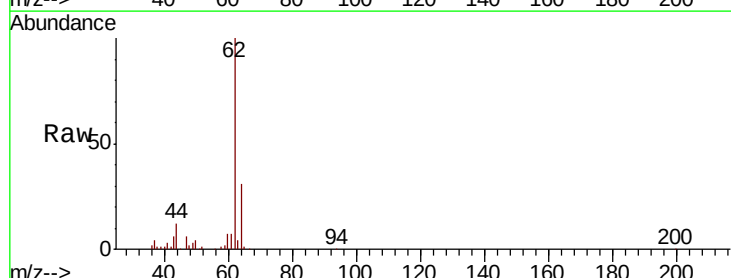
Acq: 19 Jul 2019 20:59

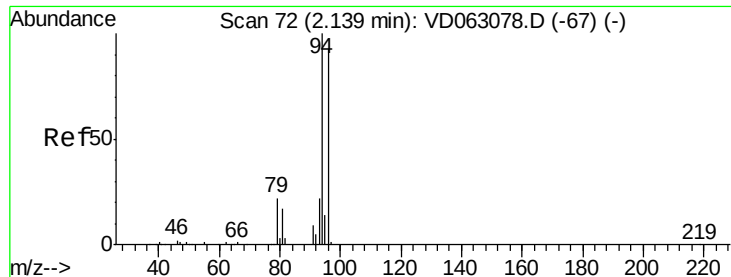
Tgt Ion: 62 Resp: 283382

Ion Ratio Lower Upper

62 100

64 31.0 24.4 36.6





#5

Bromomethane

Concen: 58.107 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

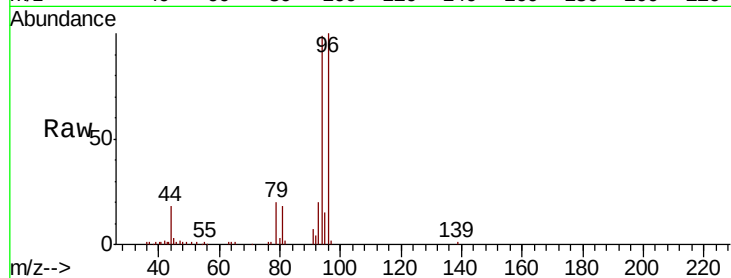
Tot Ion: 94 Resp: 148711

Ion Ratio Lower Upper

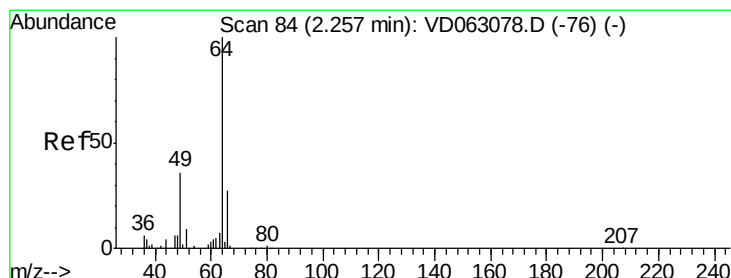
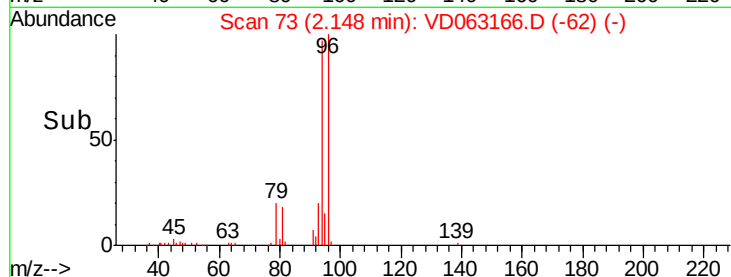
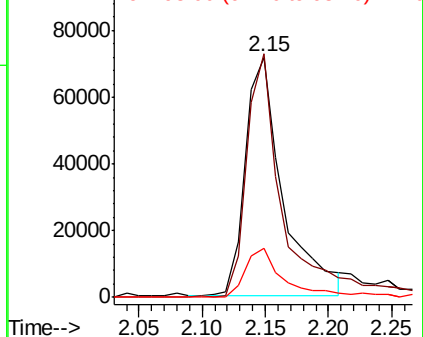
94 100

96 101.5 74.2 111.2

93 20.5 17.8 26.6



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 44.985 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.00 min

Lab File: VD063166.D

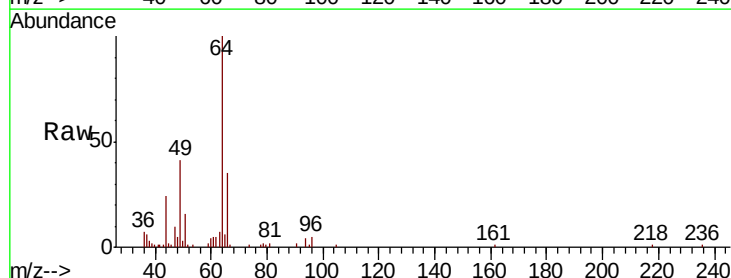
Acq: 19 Jul 2019 20:59

Tgt Ion: 64 Resp: 141583

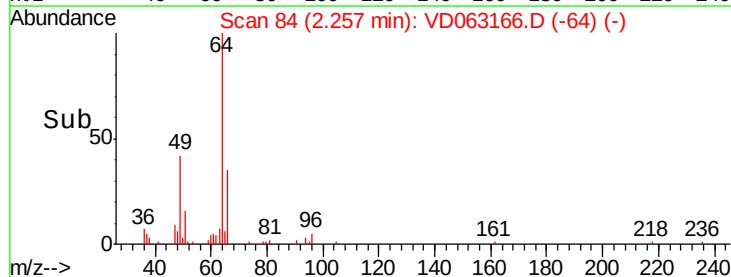
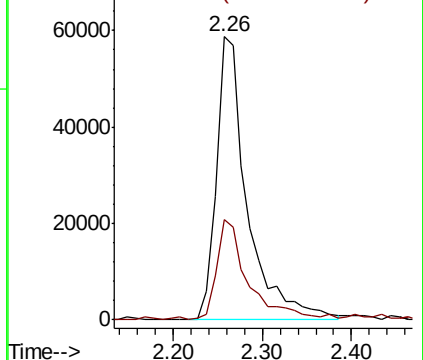
Ion Ratio Lower Upper

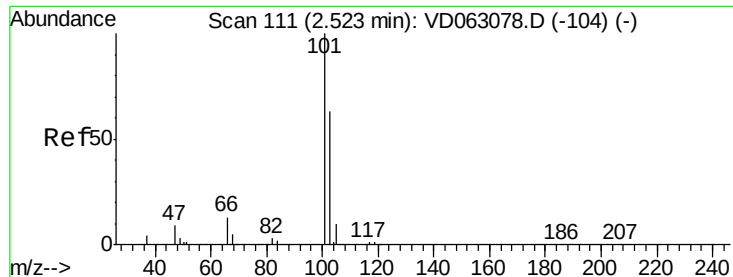
64 100

66 35.3 22.5 33.7#



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



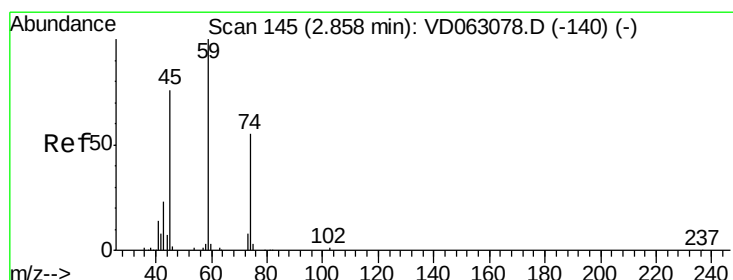
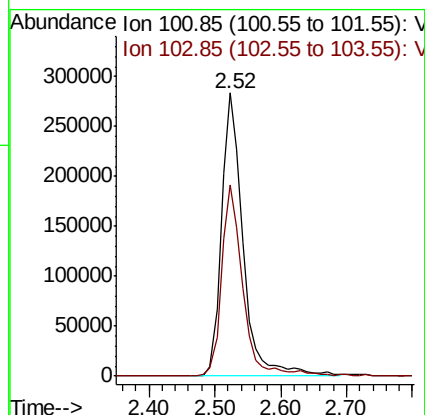
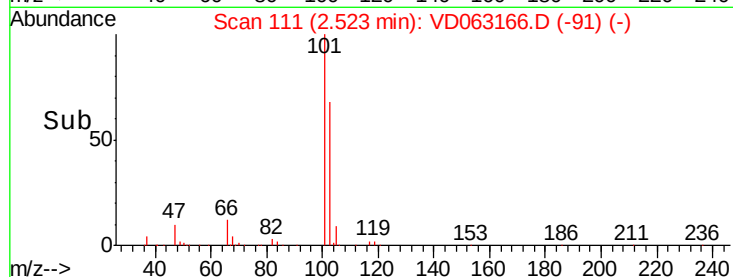
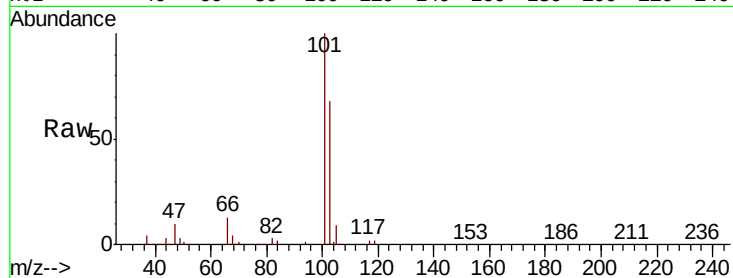


#7

Trichlorofluoromethane
Concen: 47.190 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.00 min
Lab File: VD063166.D
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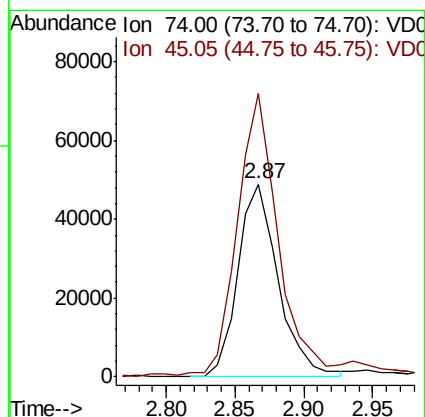
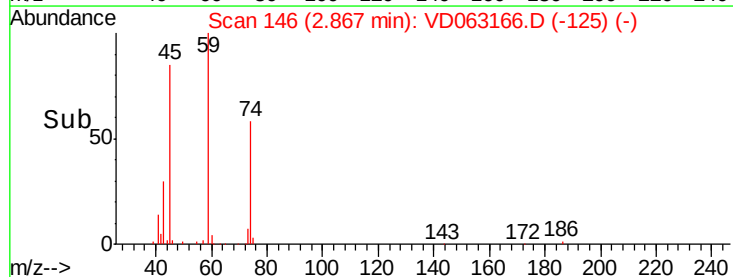
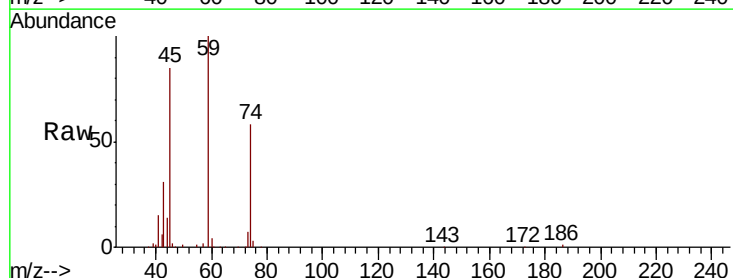
Tot Ion:101 Resp: 647256
Ion Ratio Lower Upper
101 100
103 67.5 50.6 76.0

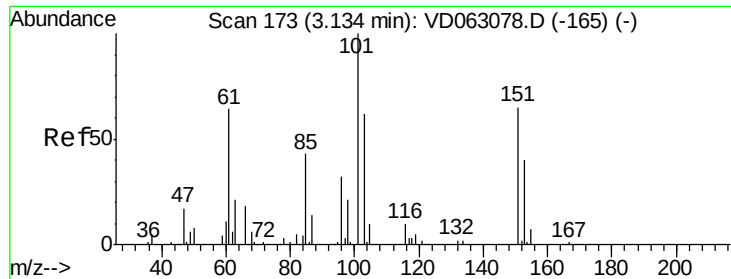


#8

Diethyl Ether
Concen: 51.693 ug/l
RT: 2.87 min Scan# 146
Delta R.T. 0.01 min
Lab File: VD063166.D
Acq: 19 Jul 2019 20:59

Tgt Ion: 74 Resp: 99737
Ion Ratio Lower Upper
74 100
45 146.9 69.5 208.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.726 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

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ClientSampleId :

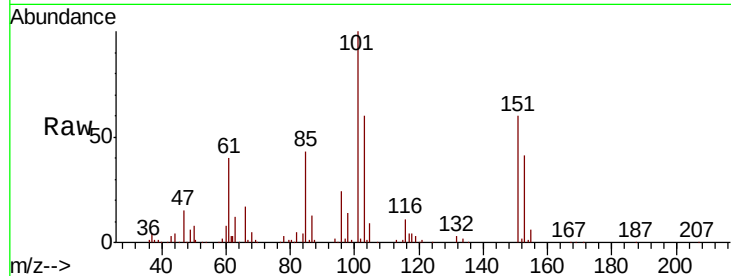
Tot Ion:101 Resp: 353729

Ion Ratio Lower Upper

101 100

85 43.2 34.6 51.8

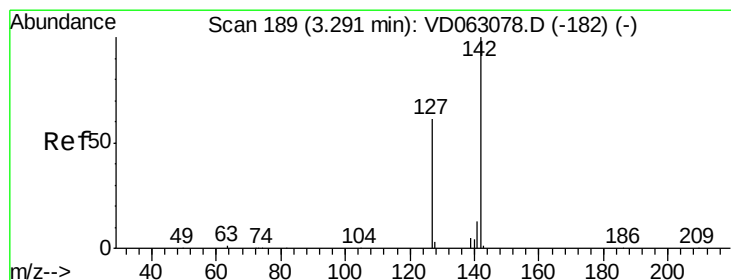
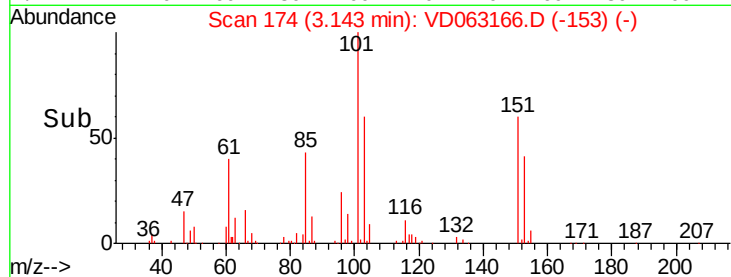
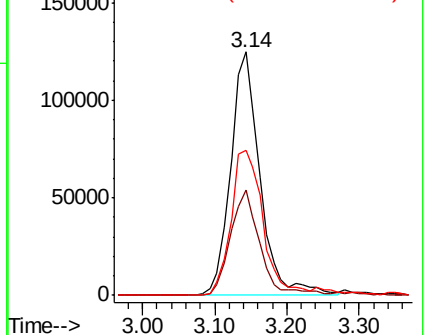
151 59.7 52.4 78.6



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: 44.464 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

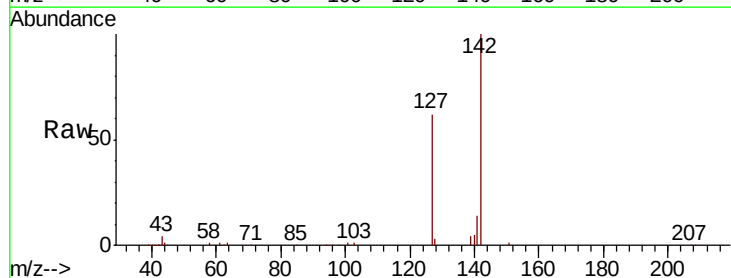
Tgt Ion:142 Resp: 431718

Ion Ratio Lower Upper

142 100

127 62.4 48.6 73.0

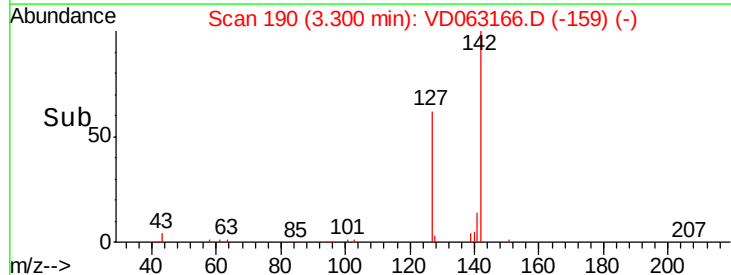
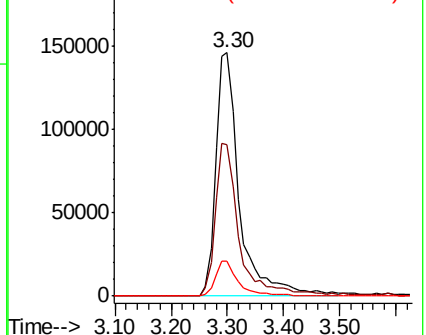
141 14.2 10.6 16.0

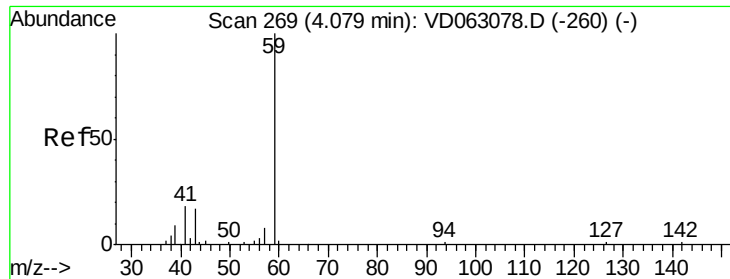


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

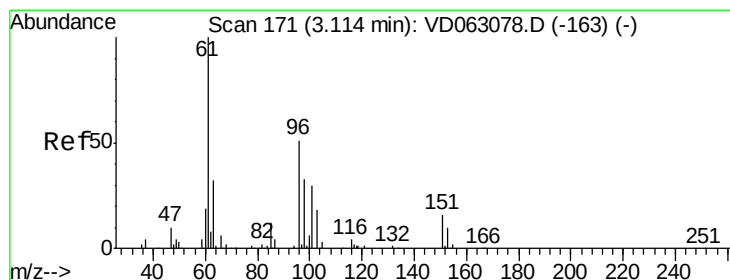
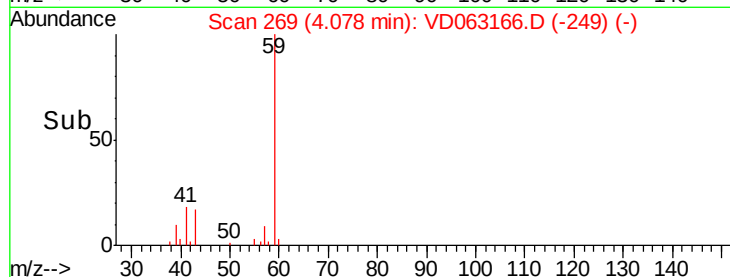
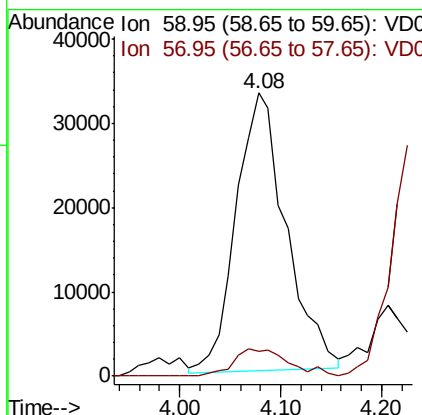
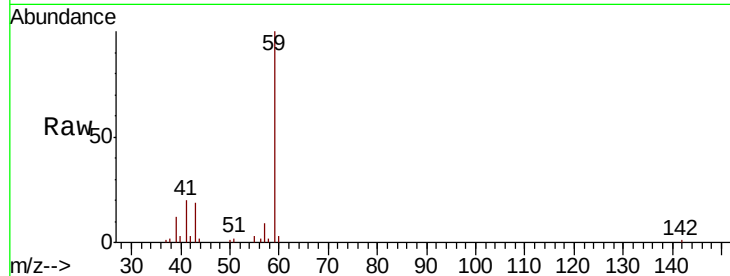




#11
Tert butyl alcohol
Concen: 248.232 ug/l
RT: 4.08 min Scan# 269
Delta R.T. -0.00 min
Lab File: VD063166.D
Acq: 19 Jul 2019 20:59

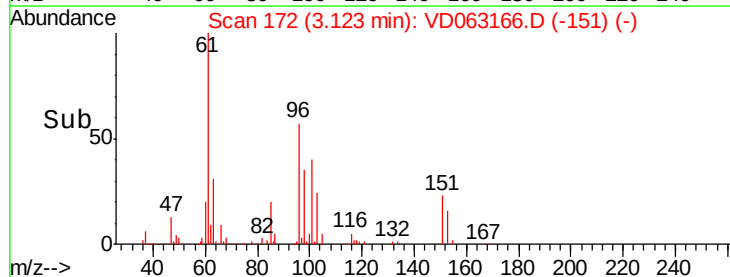
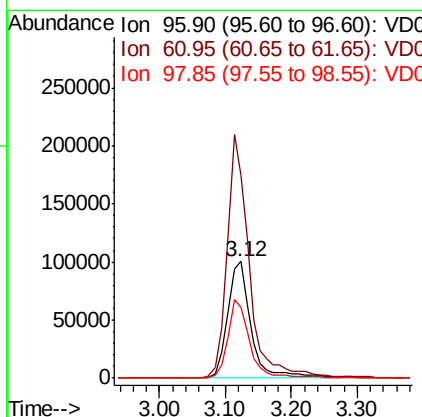
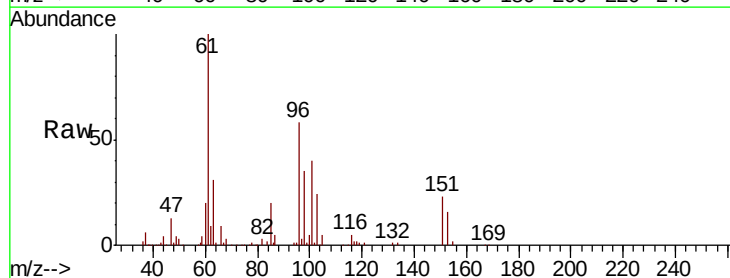
Instrument :
MSVOA_D
ClientSampleId :

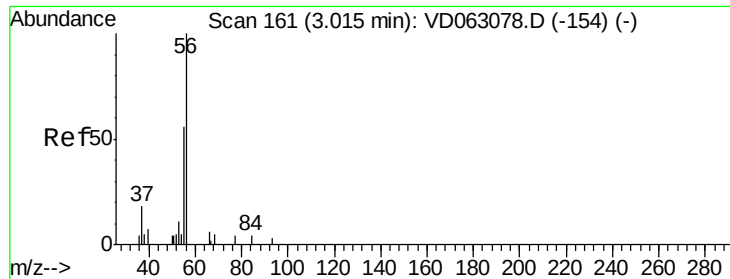
Tot Ion: 59 Resp: 113290
Ion Ratio Lower Upper
59 100
57 8.8 6.4 9.6



#12
1,1-Dichloroethene
Concen: 44.826 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.01 min
Lab File: VD063166.D
Acq: 19 Jul 2019 20:59

Tgt Ion: 96 Resp: 251752
Ion Ratio Lower Upper
96 100
61 173.4 155.5 233.3
98 60.9 51.5 77.3





#13

Acrolein

Concen: 93.252 ug/l

RT: 3.02 min Scan# 162

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA_D

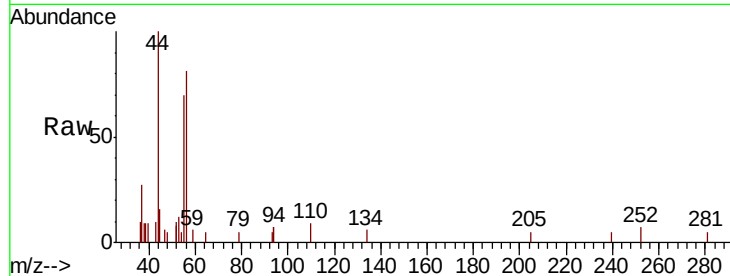
ClientSampleId :

Tot Ion: 56 Resp: 12845

Ion Ratio Lower Upper

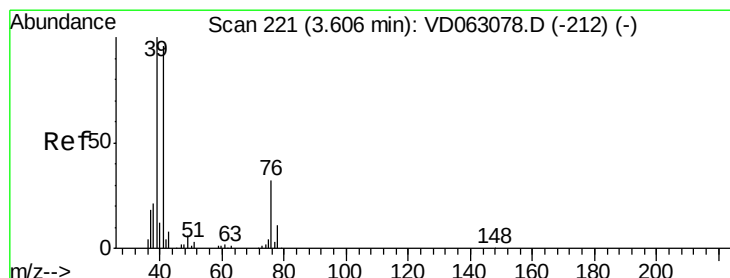
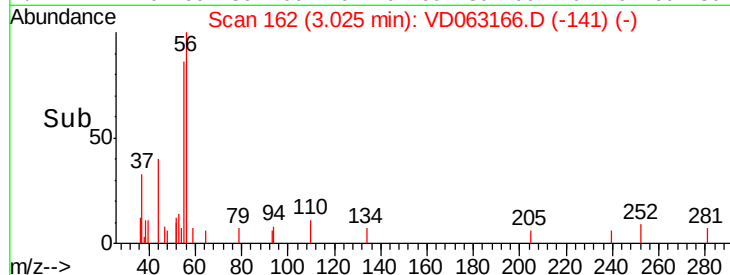
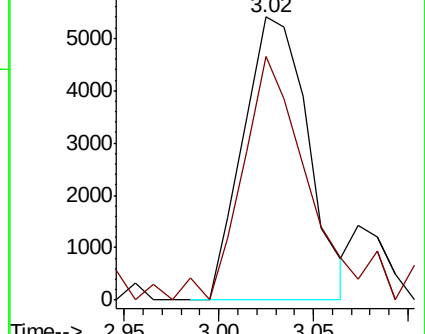
56 100

55 86.0 53.0 79.4#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 46.045 ug/l

RT: 3.62 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

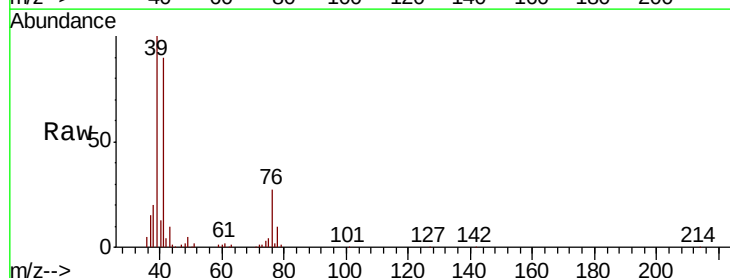
Tgt Ion: 41 Resp: 406426

Ion Ratio Lower Upper

41 100

39 111.5 83.5 125.3

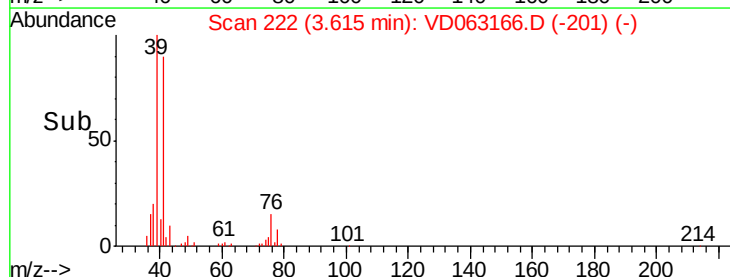
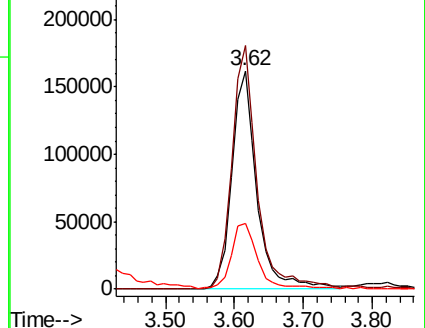
76 30.1 27.8 41.8

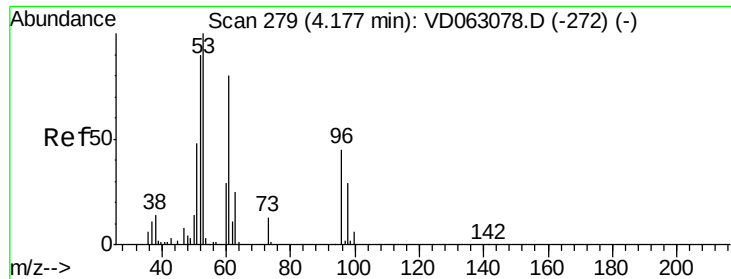


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

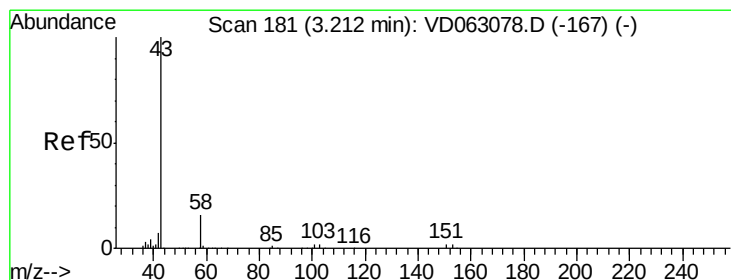
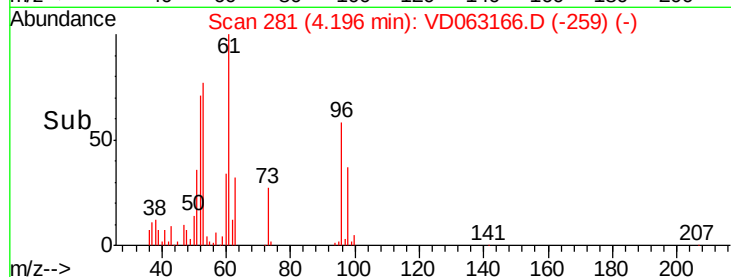
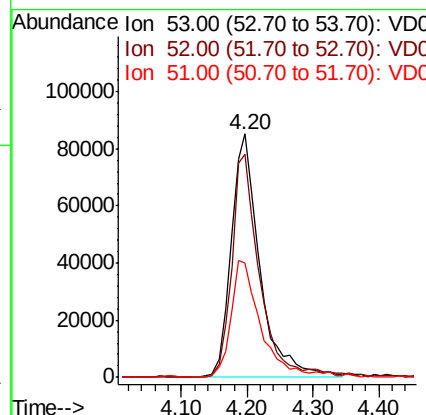
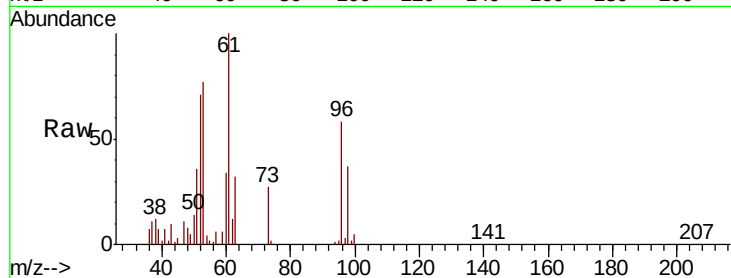




#15
 Acrylonitrile
 Concen: 257.247 ug/l
 RT: 4.20 min Scan# 281
 Delta R.T. 0.02 min
 Lab File: VD063166.D
 Acq: 19 Jul 2019 20:59

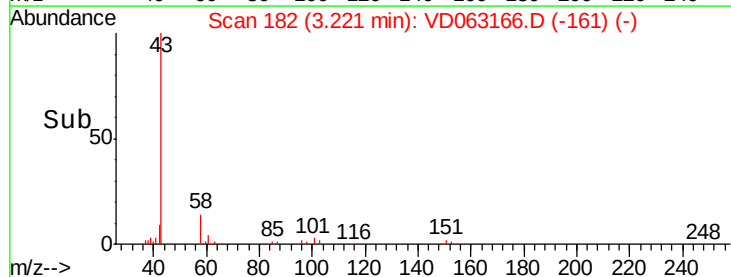
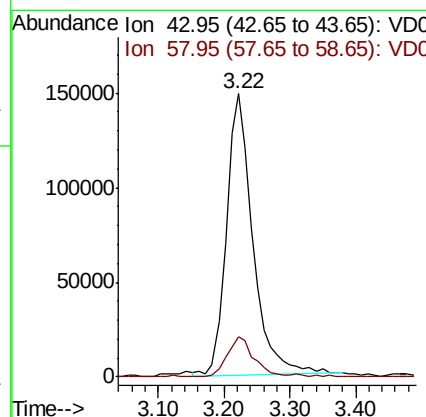
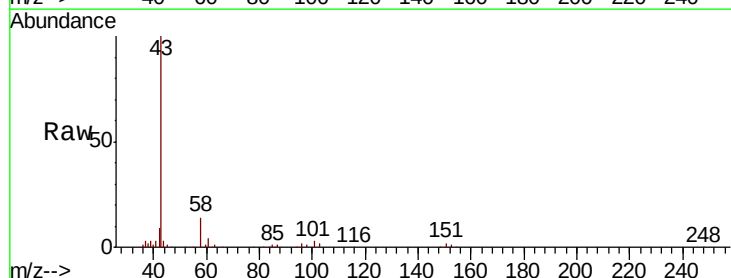
Instrument :
 MSVOA_D
 ClientSampleID :

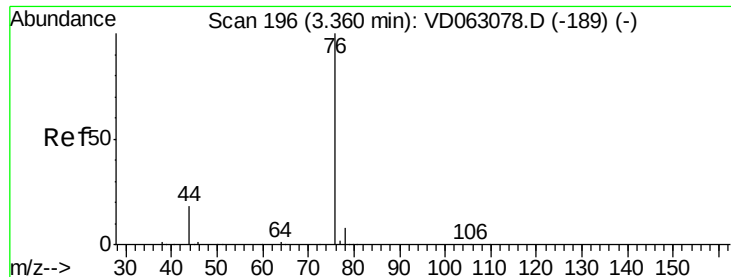
Tot Ion: 53 Resp: 259524
 Ion Ratio Lower Upper
 53 100
 52 91.5 72.3 108.5
 51 46.8 38.0 57.0



#16
 Acetone
 Concen: 217.582 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. 0.01 min
 Lab File: VD063166.D
 Acq: 19 Jul 2019 20:59

Tgt Ion: 43 Resp: 415592
 Ion Ratio Lower Upper
 43 100
 58 14.3 13.0 19.4





#17

Carbon Disulfide

Concen: 39.615 ug/l

RT: 3.37 min Scan# 197

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA_D

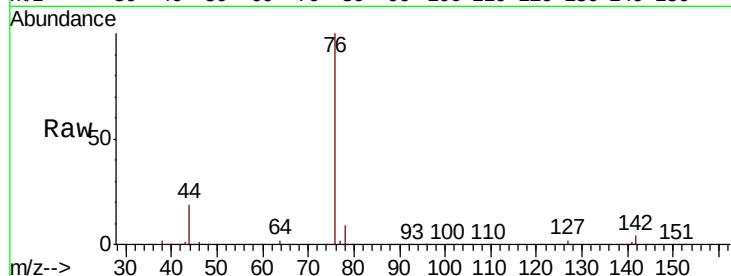
ClientSampleId :

Tot Ion: 76 Resp: 636835

Ion Ratio Lower Upper

76 100

78 9.3 6.7 10.1



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.37

250000

200000

150000

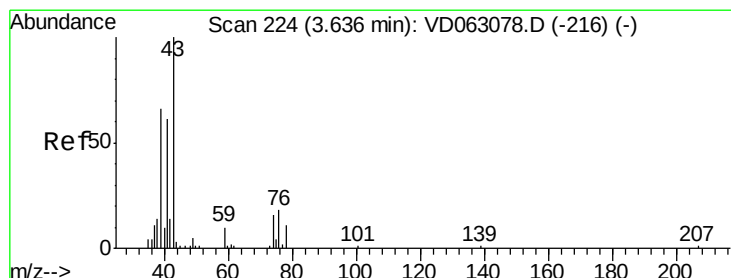
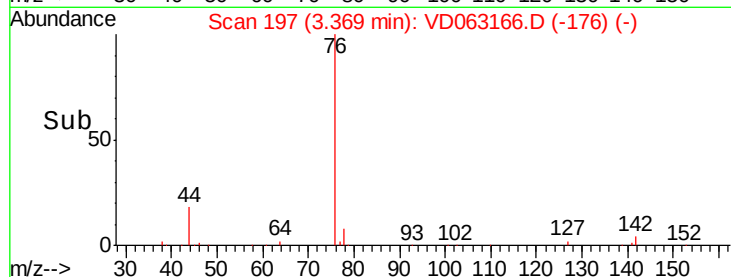
100000

50000

0

Time-->

3.30 3.40 3.50 3.60



#18

Methyl Acetate

Concen: 58.608 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD063166.D

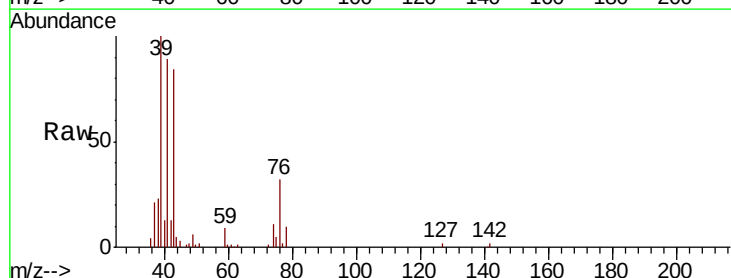
Acq: 19 Jul 2019 20:59

Tgt Ion: 43 Resp: 149627

Ion Ratio Lower Upper

43 100

74 13.5 12.5 18.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

60000

50000

40000

30000

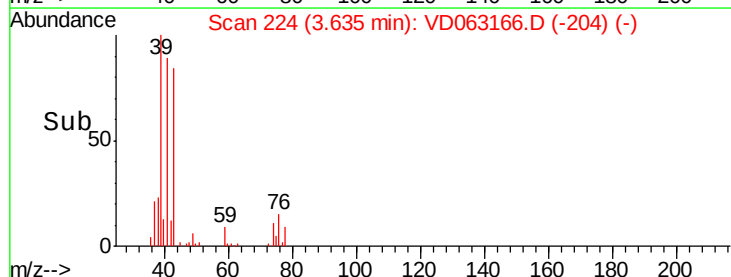
20000

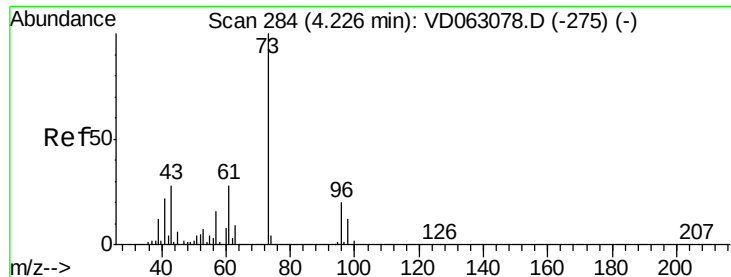
10000

0

Time-->

3.50 3.60 3.70 3.80

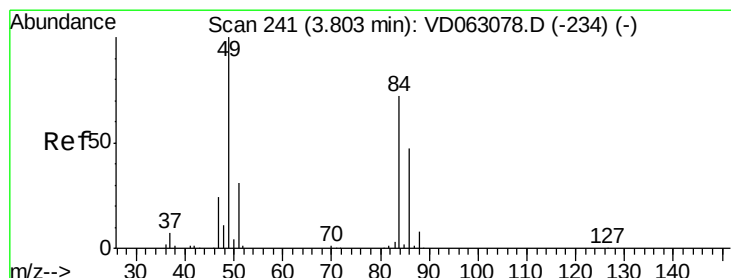
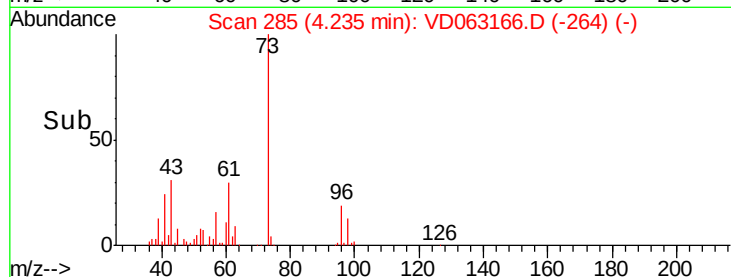
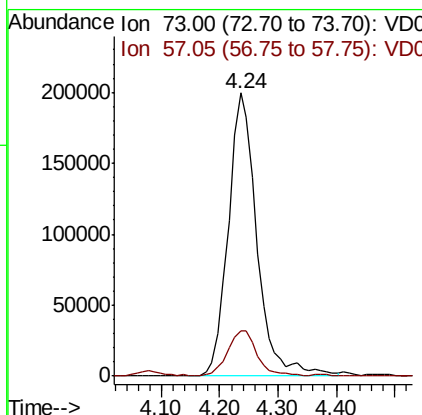
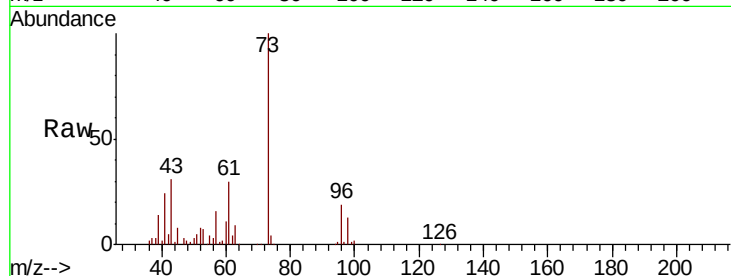




#19
Methyl tert-butyl Ether
Concen: 48.011 ug/l
RT: 4.24 min Scan# 285
Delta R.T. 0.01 min
Lab File: VD063166.D
Acq: 19 Jul 2019 20:59

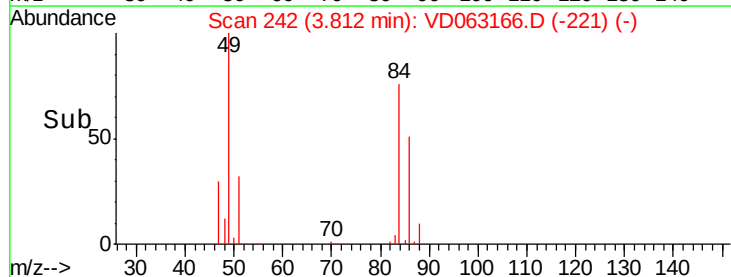
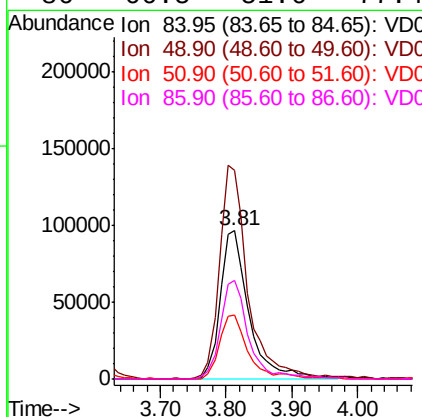
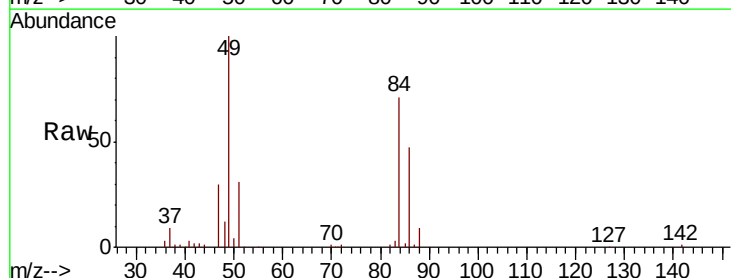
Instrument :
MSVOA_D
ClientSampleId :

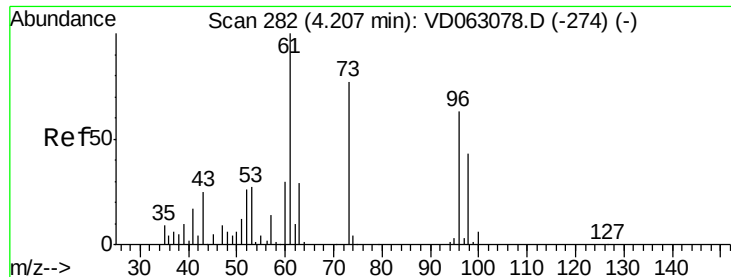
Tot Ion: 73 Resp: 680654
Ion Ratio Lower Upper
73 100
57 15.9 13.1 19.7



#20
Methylene Chloride
Concen: 40.773 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063166.D
Acq: 19 Jul 2019 20:59

Tgt Ion: 84 Resp: 294216
Ion Ratio Lower Upper
84 100
49 141.1 110.5 165.7
51 43.7 34.6 51.8
86 66.5 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 44.351 ug/l

RT: 4.21 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

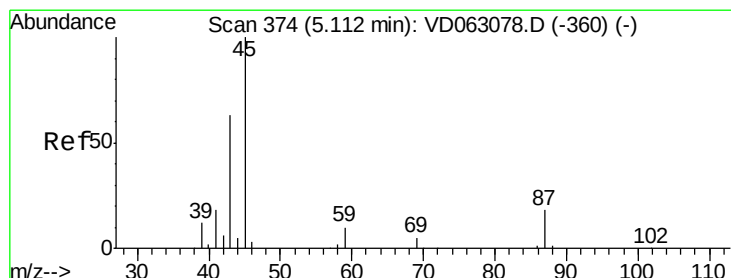
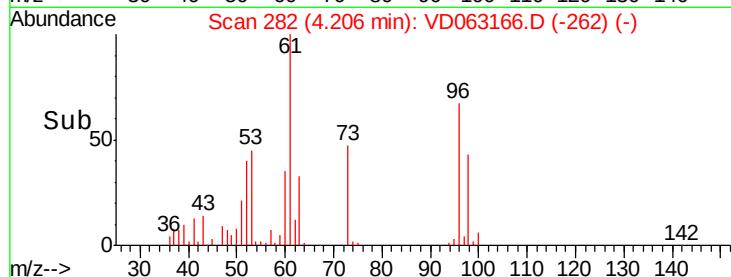
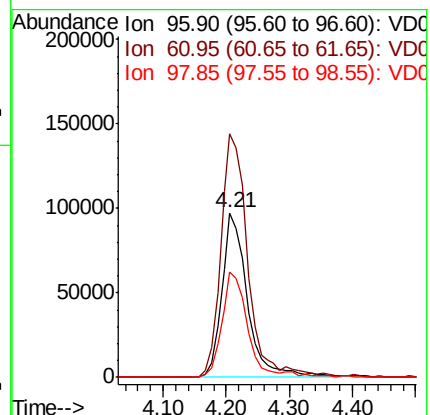
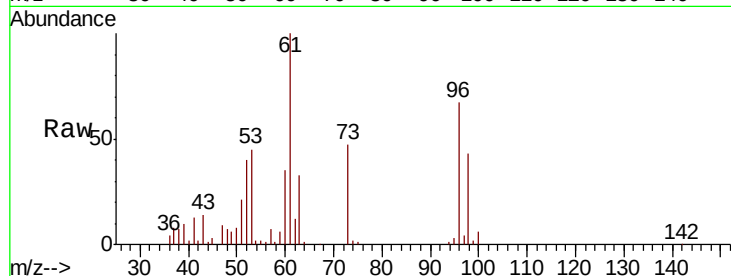
Tot Ion: 96 Resp: 276513

Ion Ratio Lower Upper

96 100

61 148.2 128.0 192.0

98 64.1 55.2 82.8



#22

Diisopropyl ether

Concen: 46.829 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Tgt Ion: 45 Resp: 898683

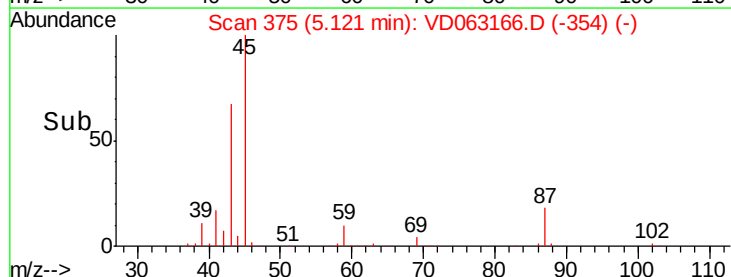
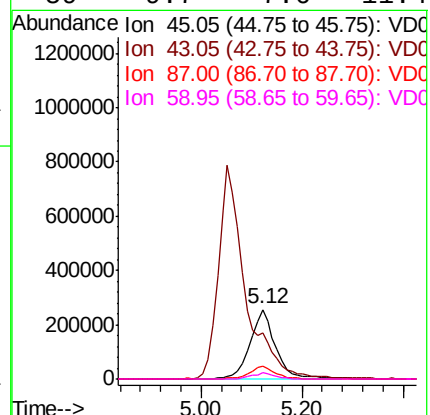
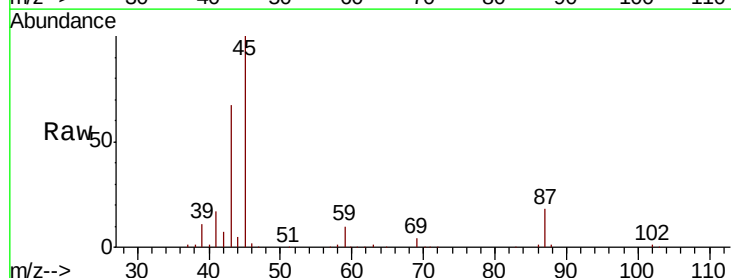
Ion Ratio Lower Upper

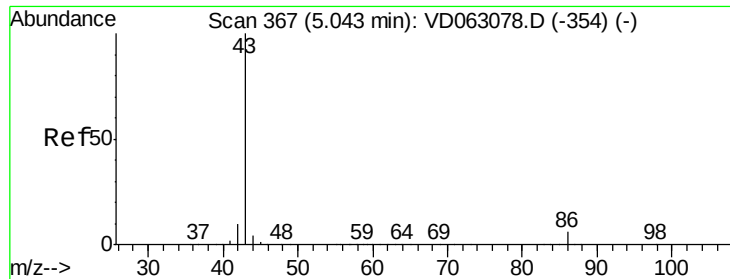
45 100

43 67.2 50.5 75.7

87 18.4 15.1 22.7

59 9.7 7.6 11.4





#23

Vinyl Acetate

Concen: 261.477 ug/l

RT: 5.05 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA_D

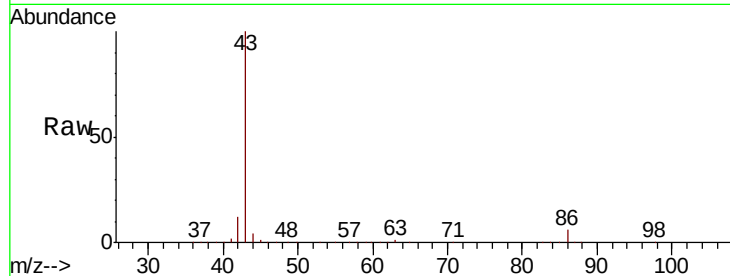
ClientSampleId :

Tot Ion: 43 Resp: 2927555

Ion Ratio Lower Upper

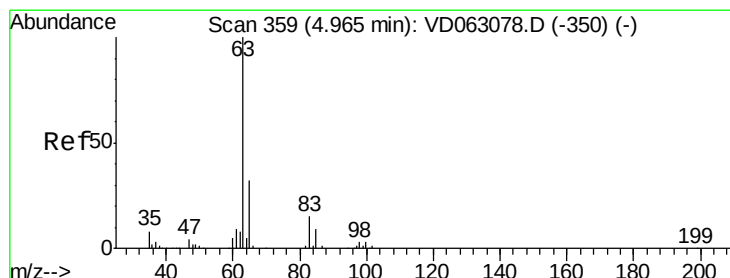
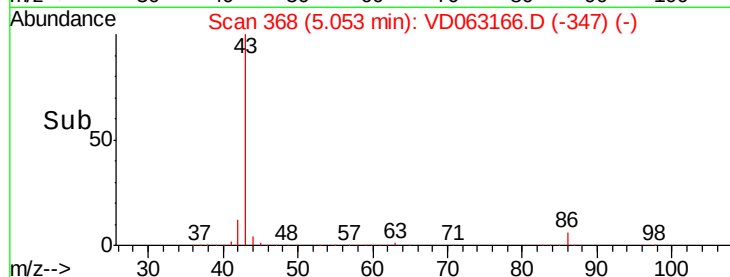
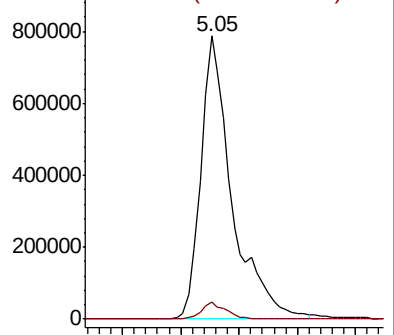
43 100

86 6.0 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.475 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.02 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

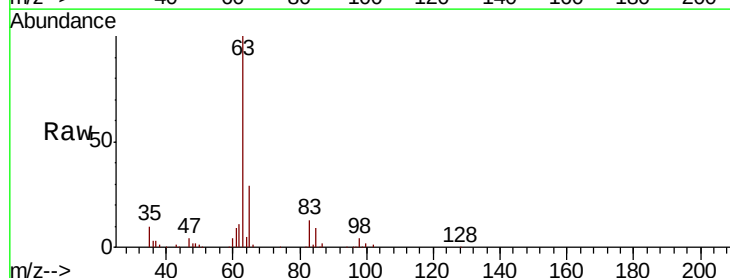
Tgt Ion: 63 Resp: 573038

Ion Ratio Lower Upper

63 100

98 4.2 1.7 5.1

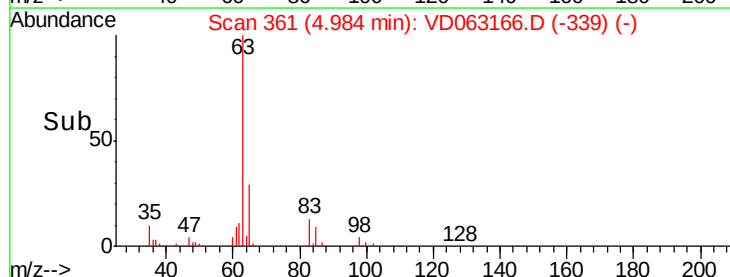
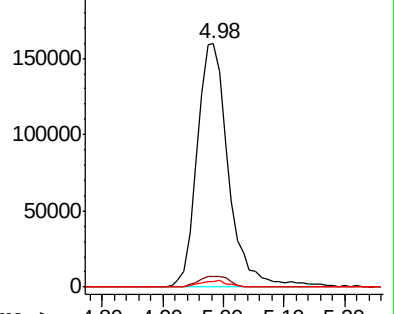
100 2.2 1.5 4.5

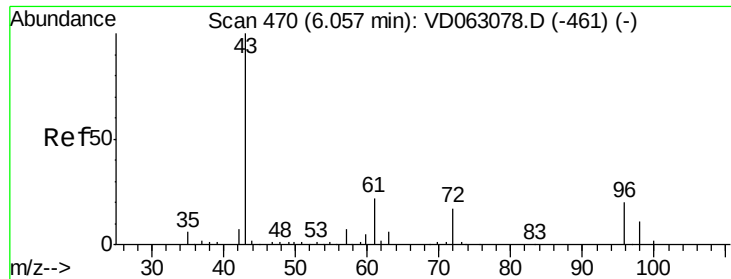


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 255.111 ug/l

RT: 6.08 min Scan# 472

Delta R.T. 0.02 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA_D

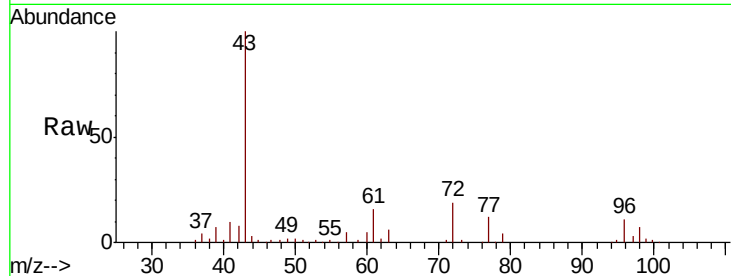
ClientSampleId :

Tot Ion: 43 Resp: 465306

Ion Ratio Lower Upper

43 100

72 18.7 13.4 20.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.08

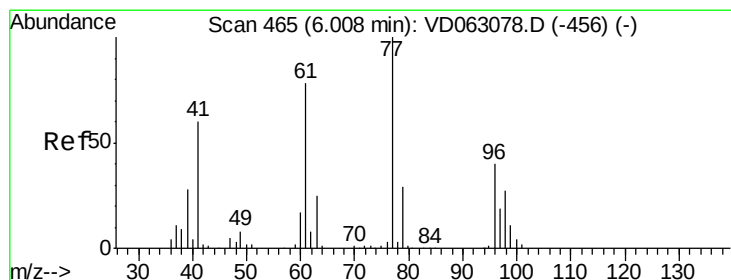
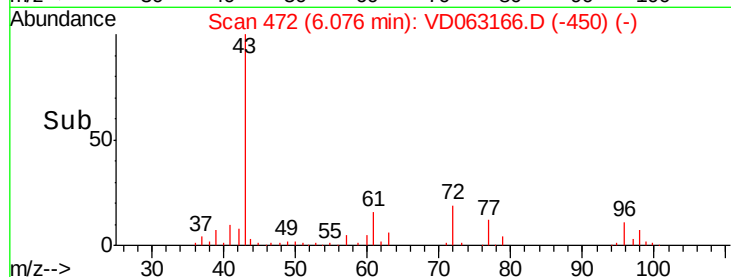
150000

100000

50000

0

Time--> 5.90 6.00 6.10



#26

2,2-Dichloropropane

Concen: 43.602 ug/l

RT: 6.03 min Scan# 467

Delta R.T. 0.02 min

Lab File: VD063166.D

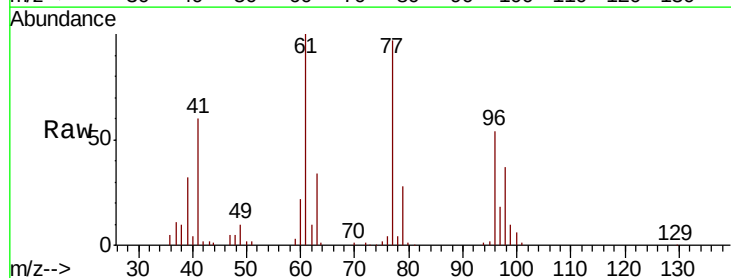
Acq: 19 Jul 2019 20:59

Tgt Ion: 77 Resp: 570448

Ion Ratio Lower Upper

77 100

97 19.0 9.3 27.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.03

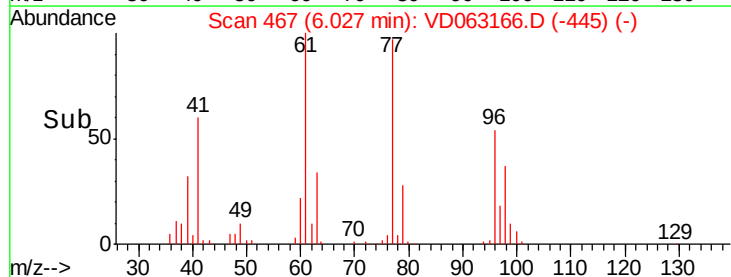
150000

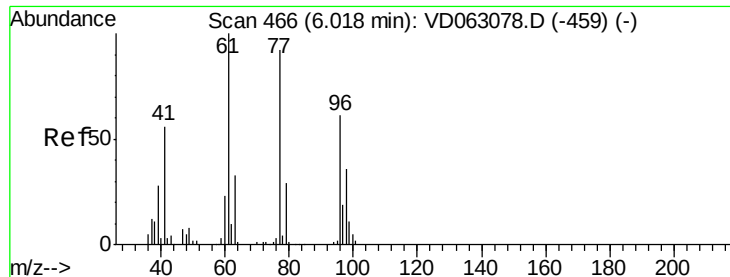
100000

50000

0

Time--> 5.90 6.00 6.10 6.20



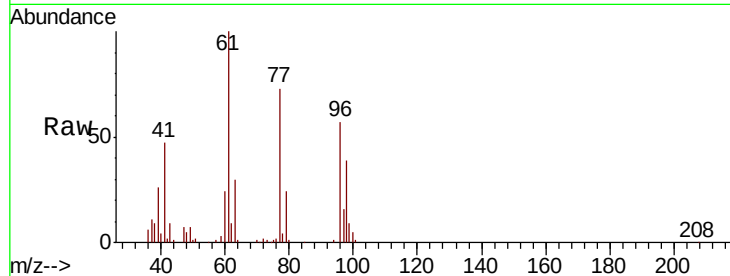


#27

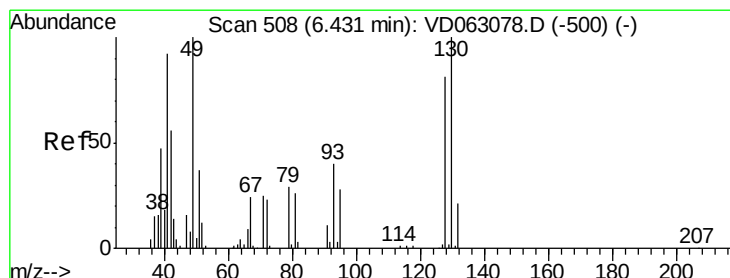
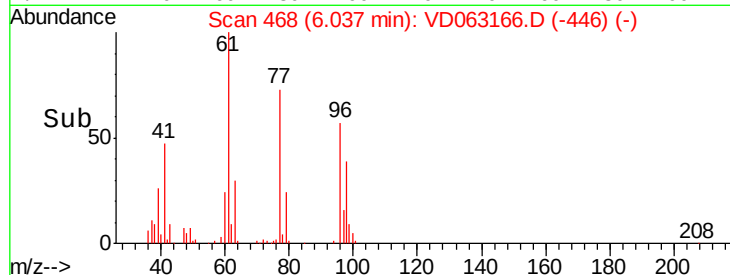
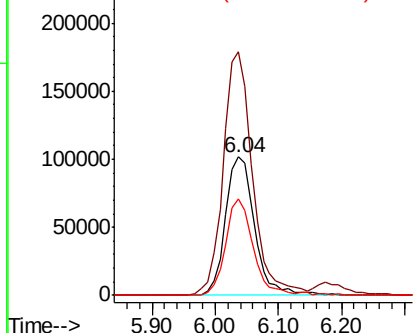
cis-1,2-Dichloroethene
 Concen: 45.984 ug/l
 RT: 6.04 min Scan# 468
 Delta R.T. 0.02 min
 Lab File: VD063166.D
 Acq: 19 Jul 2019 20:59

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion	96	Resp	326125
Ion	Ratio	Lower	Upper
96	100		
61	176.2	0.0	329.6
98	69.4	0.0	118.4



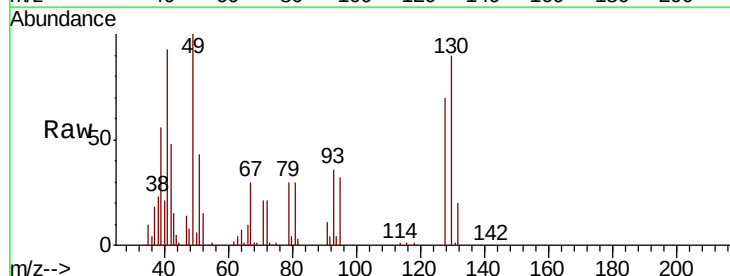
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



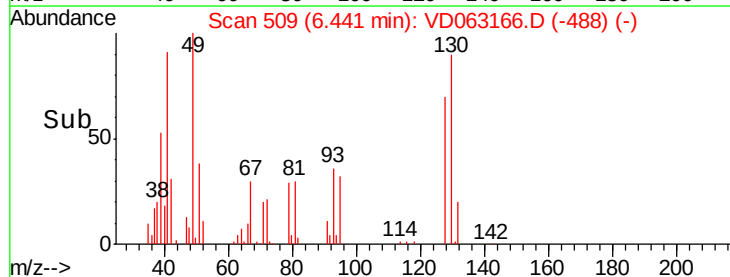
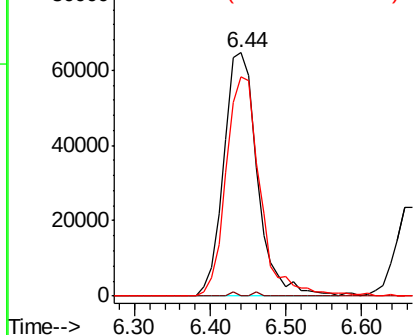
#28

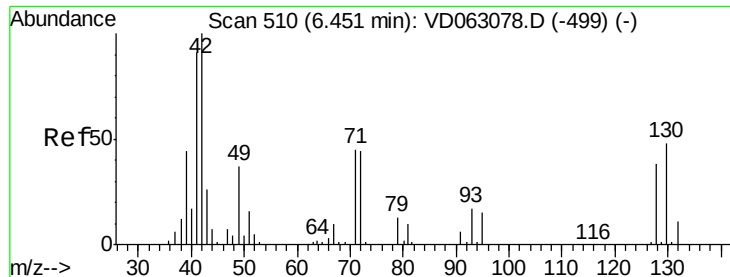
Bromochloromethane
 Concen: 46.388 ug/l
 RT: 6.44 min Scan# 509
 Delta R.T. 0.01 min
 Lab File: VD063166.D
 Acq: 19 Jul 2019 20:59

Tgt Ion	49	Resp	198943
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	90.0	80.3	120.5



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





#29

Tetrahydrofuran

Concen: 246.157 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

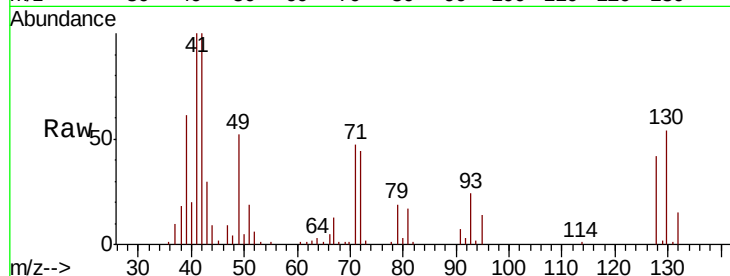
Tot Ion: 42 Resp: 203524

Ion Ratio Lower Upper

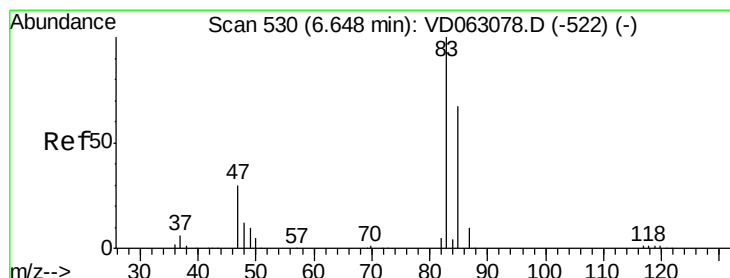
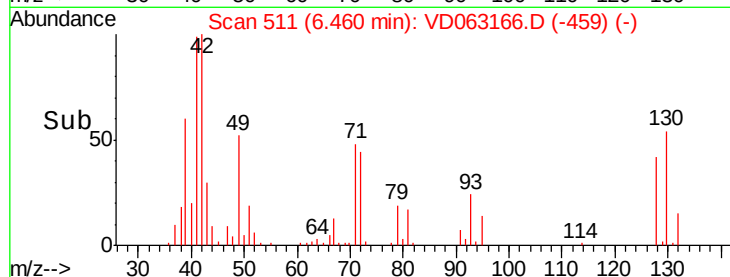
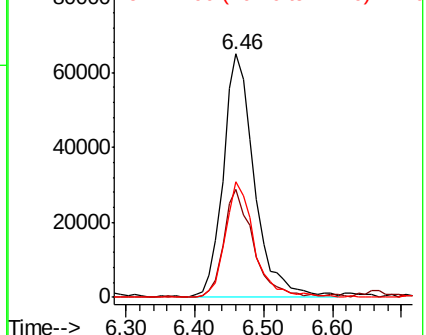
42 100

72 42.1 33.7 50.5

71 44.0 34.2 51.2



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: 50.651 ug/l

RT: 6.67 min Scan# 532

Delta R.T. 0.02 min

Lab File: VD063166.D

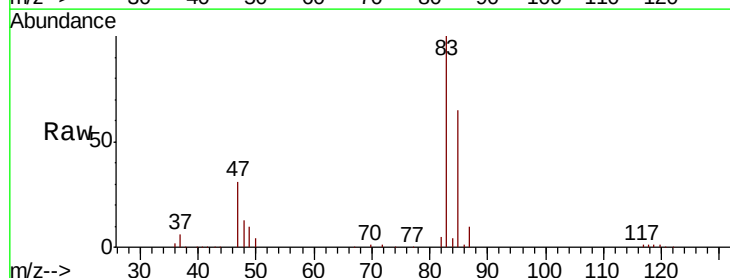
Acq: 19 Jul 2019 20:59

Tgt Ion: 83 Resp: 737415

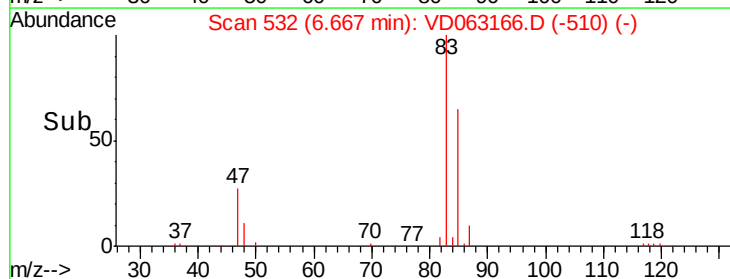
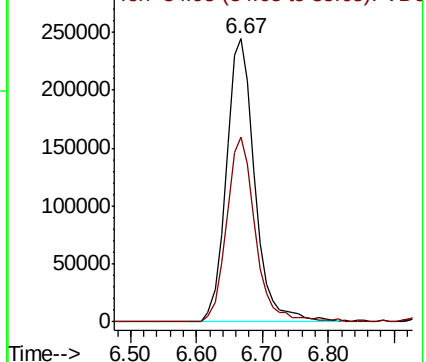
Ion Ratio Lower Upper

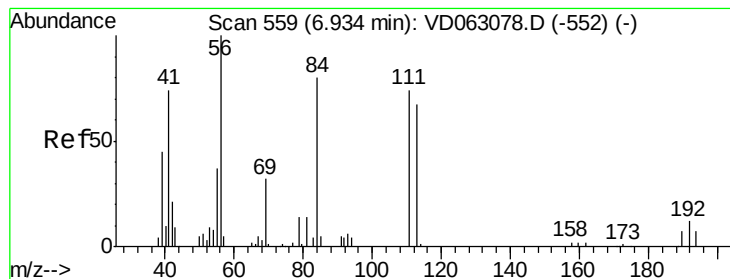
83 100

85 65.2 53.8 80.8



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





#31

Cyclohexane

Concen: 43.710 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.02 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :
MSVOA_D
ClientSampleId :

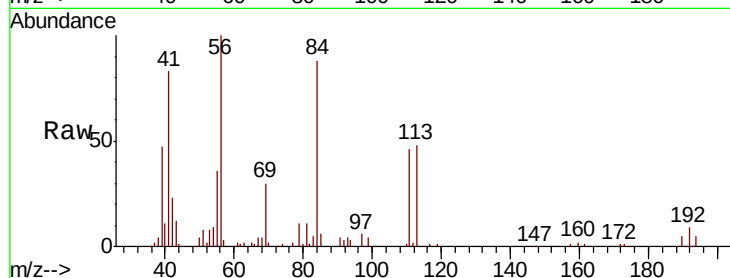
Tot Ion: 56 Resp: 329066

Ion Ratio Lower Upper

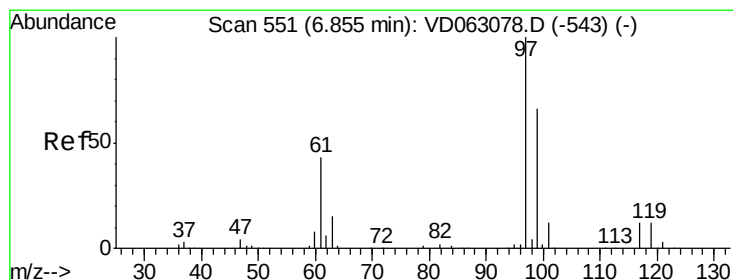
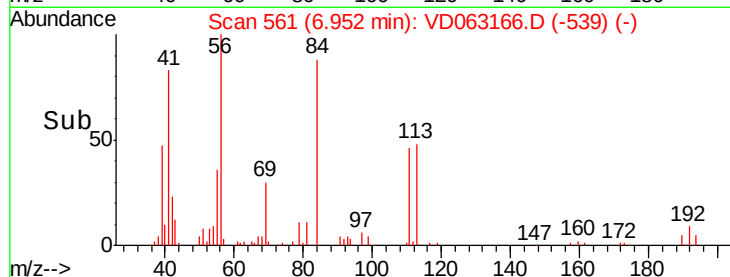
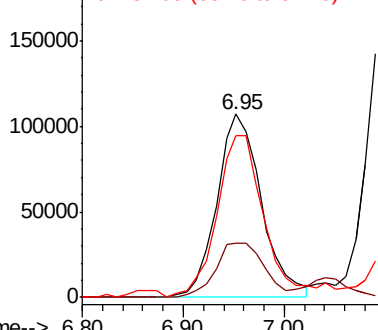
56 100

69 29.6 25.3 37.9

84 88.4 64.2 96.4



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



#32

1,1,1-Trichloroethane

Concen: 50.747 ug/l

RT: 6.87 min Scan# 553

Delta R.T. 0.02 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

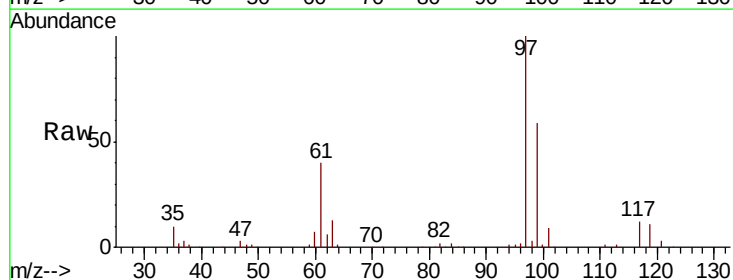
Tgt Ion: 97 Resp: 728528

Ion Ratio Lower Upper

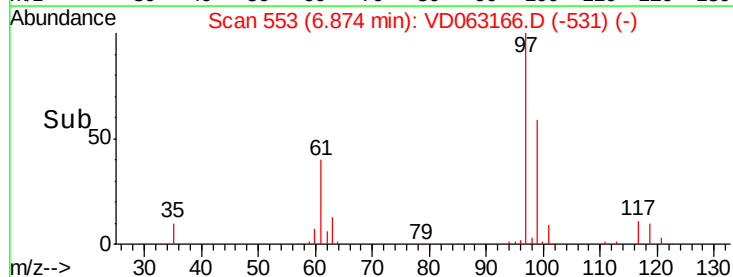
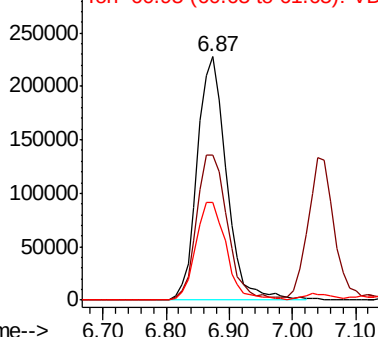
97 100

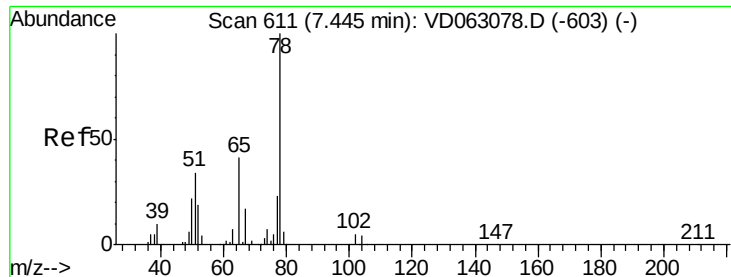
99 59.4 52.9 79.3

61 40.0 34.4 51.6



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

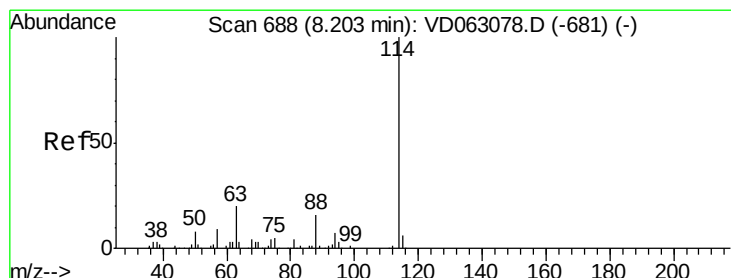
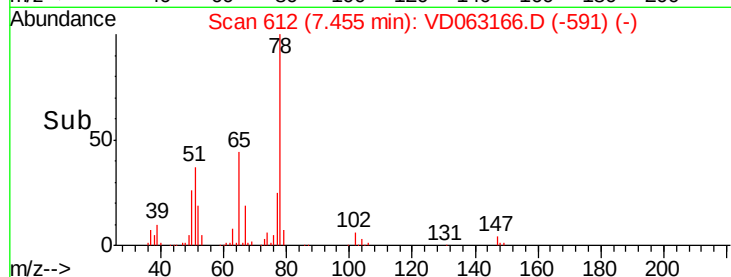
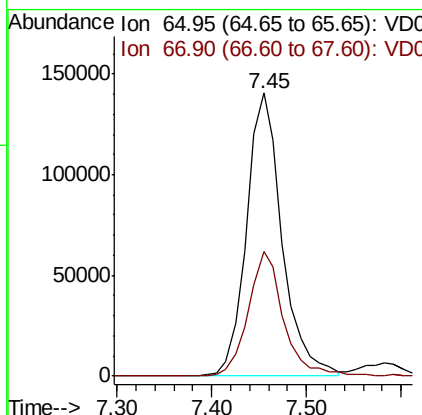
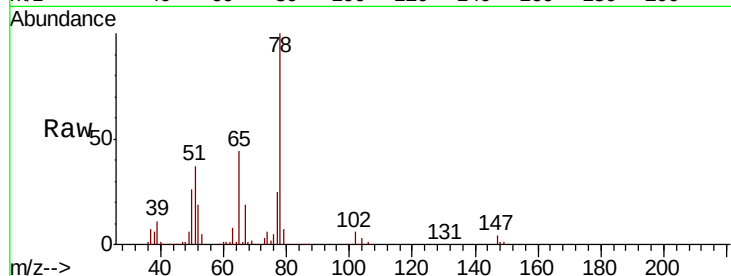




#33
 1,2-Dichloroethane-d4
 Concen: 46.146 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD063166.D
 Acq: 19 Jul 2019 20:59

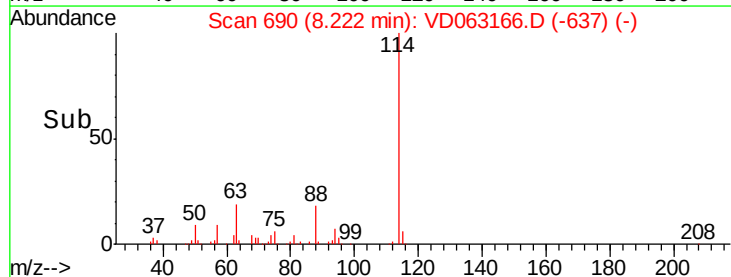
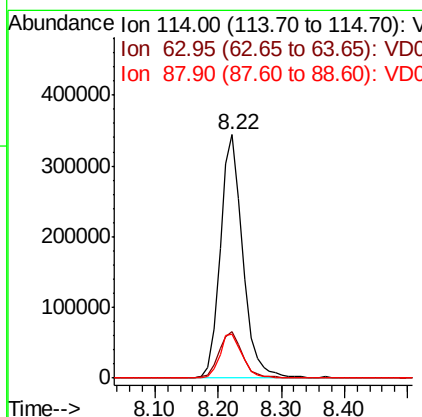
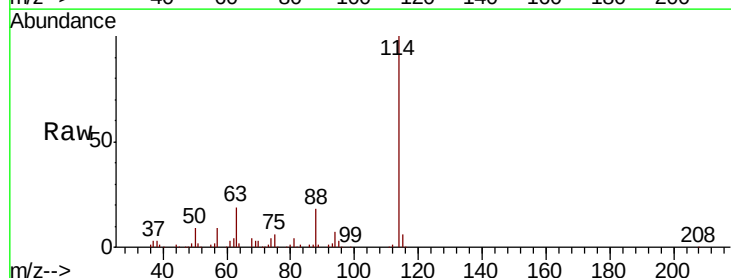
Instrument :
 MSVOA_D
 ClientSampleId :

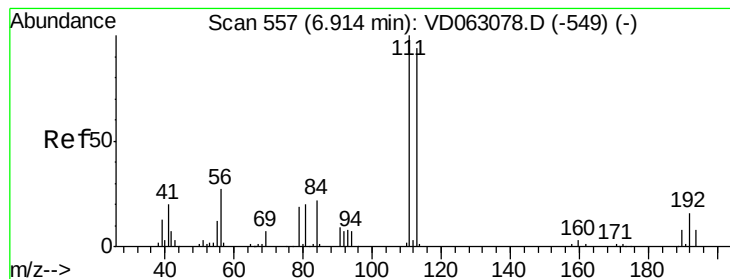
Tot Ion: 65 Resp: 364925
 Ion Ratio Lower Upper
 65 100
 67 43.8 0.0 86.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.02 min
 Lab File: VD063166.D
 Acq: 19 Jul 2019 20:59

Tgt Ion: 114 Resp: 853722
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 40.6
 88 17.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.862 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

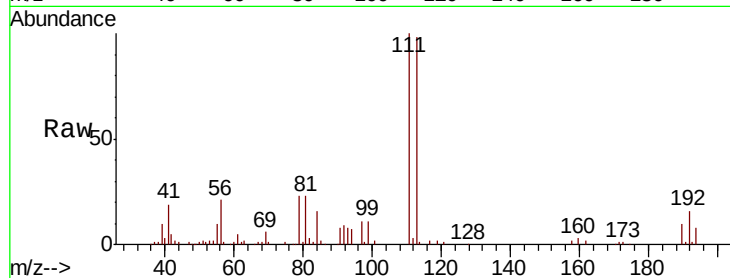
Tot Ion:113 Resp: 406988

Ion Ratio Lower Upper

113 100

111 102.5 84.8 127.2

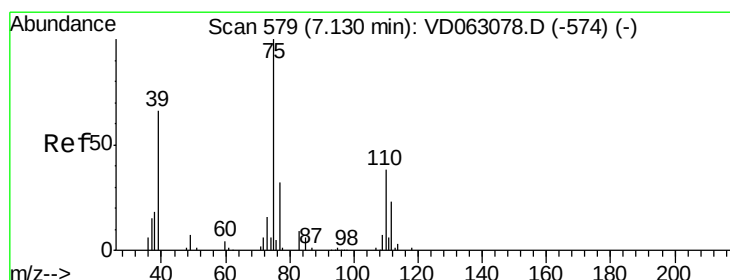
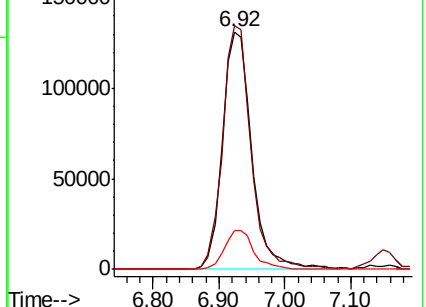
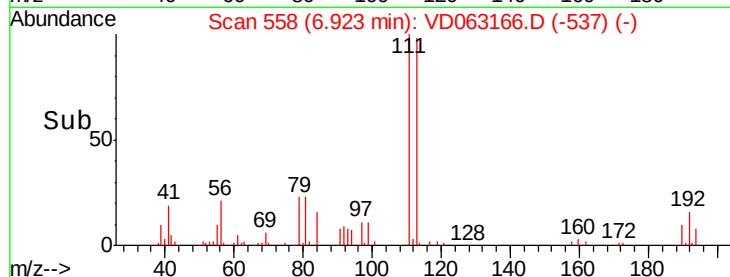
192 16.3 13.4 20.0



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: 45.506 ug/l

RT: 7.15 min Scan# 581

Delta R.T. 0.02 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

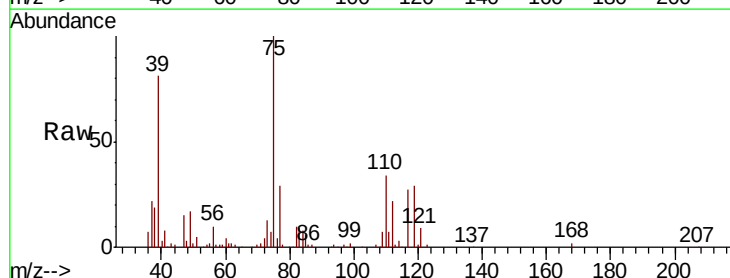
Tgt Ion: 75 Resp: 436929

Ion Ratio Lower Upper

75 100

110 34.0 18.9 56.5

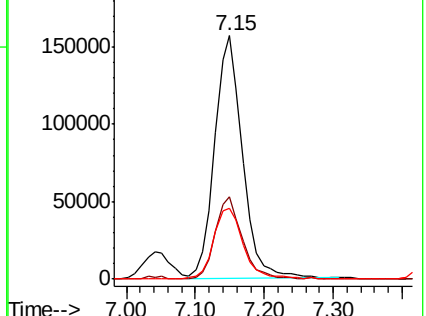
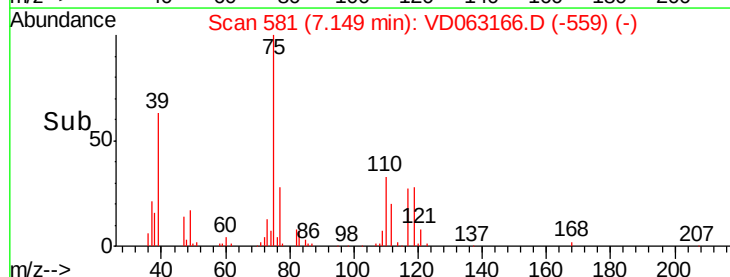
77 28.9 25.2 37.8

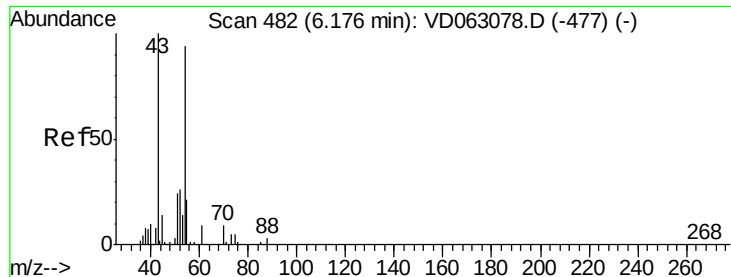


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

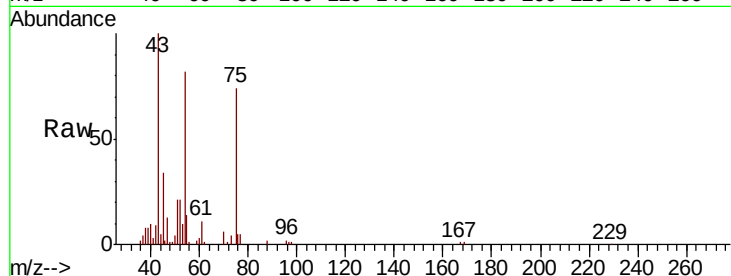




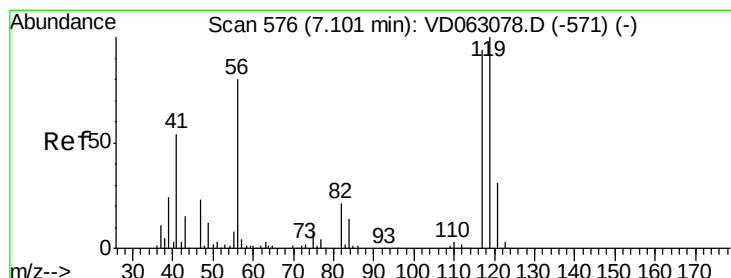
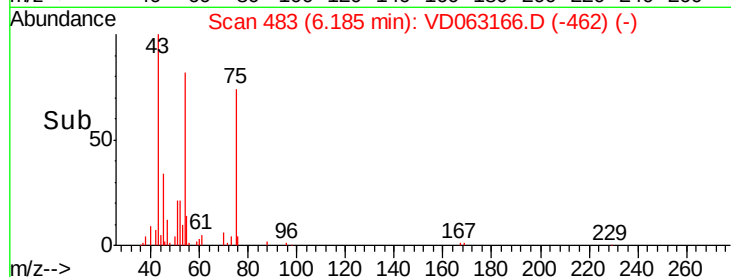
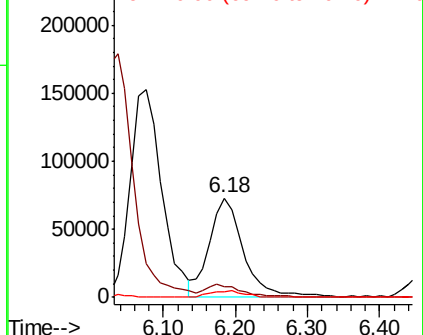
#37
Ethyl Acetate
Concen: 57.297 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD063166.D
Acq: 19 Jul 2019 20:59

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 235446
Ion Ratio Lower Upper
43 100
61 11.3 10.6 16.0
70 5.6 6.6 9.8#

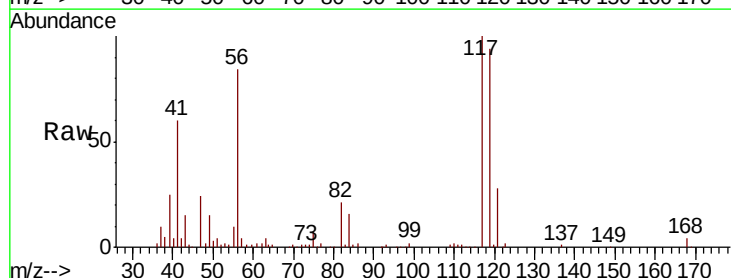


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

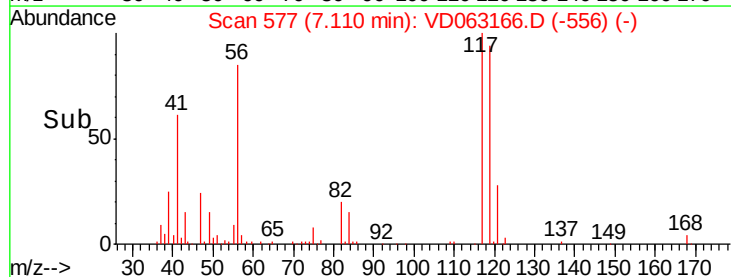
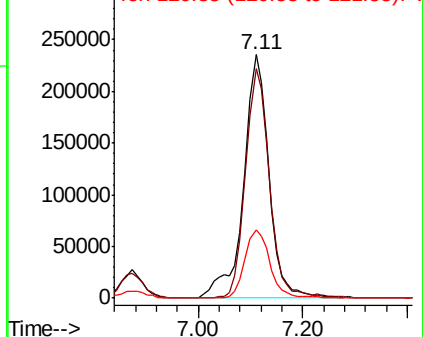


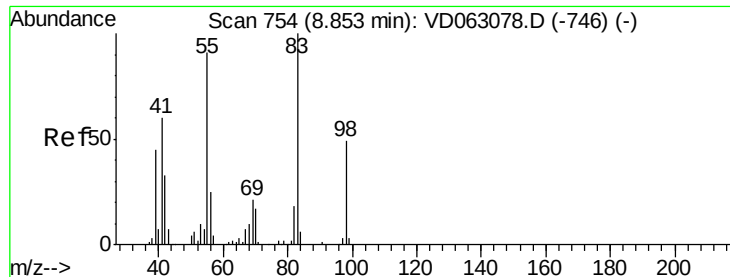
#38
Carbon Tetrachloride
Concen: 52.714 ug/l
RT: 7.11 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD063166.D
Acq: 19 Jul 2019 20:59

Tgt Ion: 117 Resp: 769095
Ion Ratio Lower Upper
117 100
119 94.3 80.0 120.0
121 28.3 25.0 37.4



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

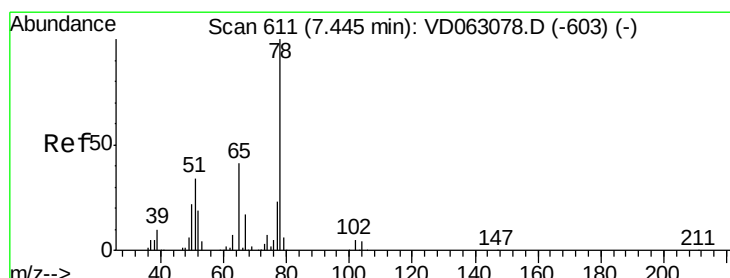
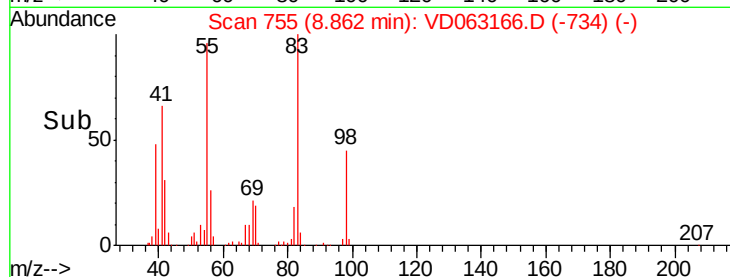
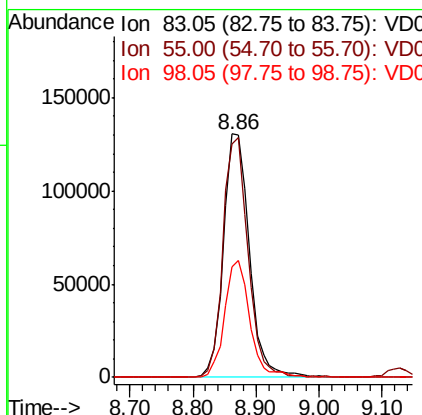
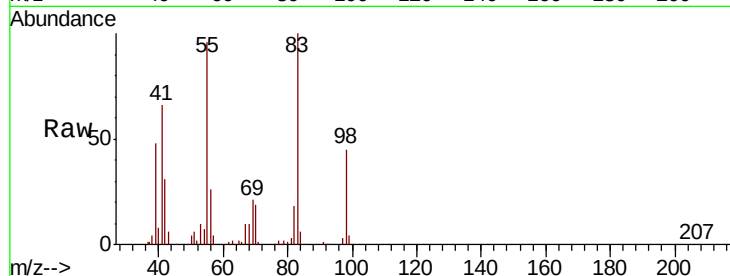




#39
Methylvlcyclohexane
Concen: 44.908 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.01 min
Lab File: VD063166.D
Acq: 19 Jul 2019 20:59

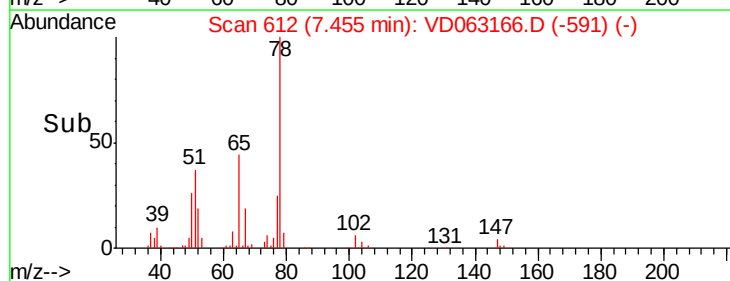
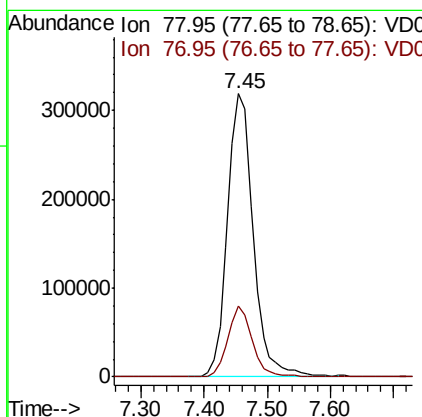
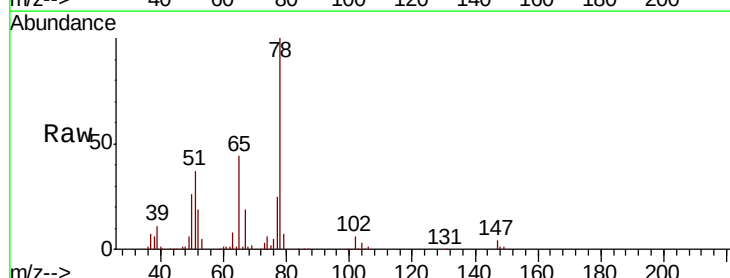
Instrument :
MSVOA_D
ClientSampleId :

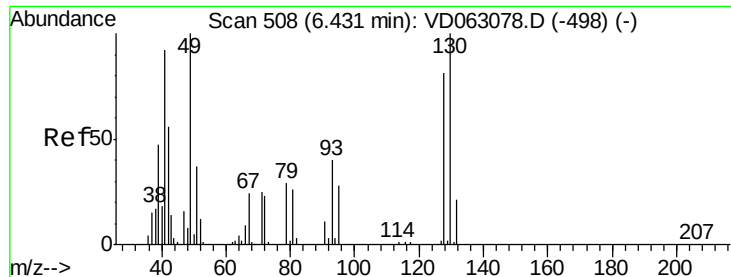
Tot Ion: 83 Resp: 372779
Ion Ratio Lower Upper
83 100
55 95.9 73.0 109.4
98 45.5 39.4 59.0



#40
Benzene
Concen: 44.726 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063166.D
Acq: 19 Jul 2019 20:59

Tgt Ion: 78 Resp: 899429
Ion Ratio Lower Upper
78 100
77 25.1 18.1 27.1





#41

Methacrylonitrile

Concen: 48.136 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.02 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 268171

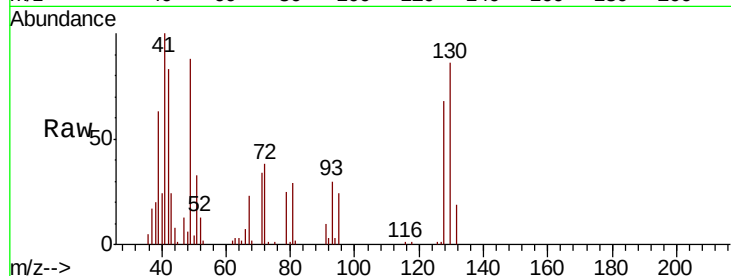
Ion Ratio Lower Upper

41 100

39 63.5 41.0 61.6#

67 22.5 21.3 31.9

52 12.6 10.5 15.7

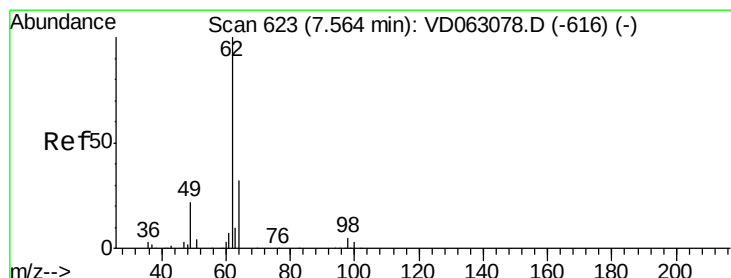
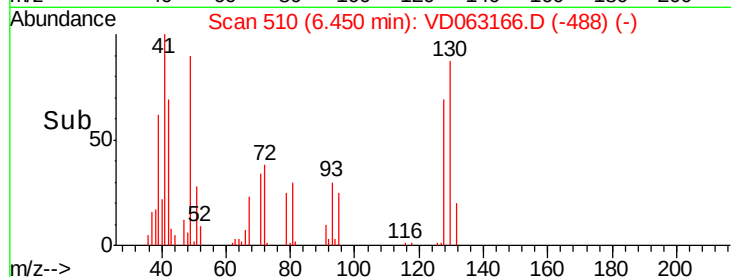
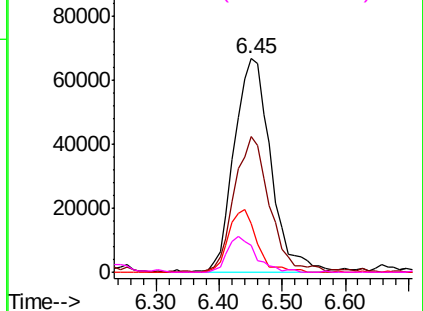


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 53.084 ug/l

RT: 7.58 min Scan# 625

Delta R.T. 0.02 min

Lab File: VD063166.D

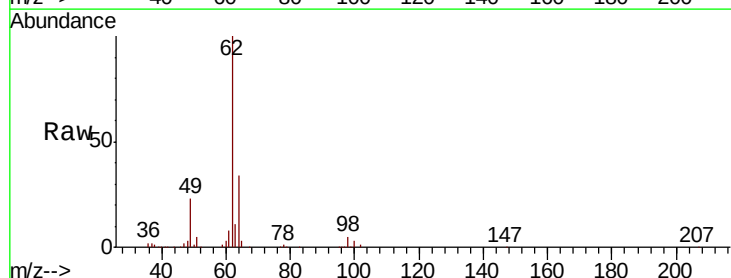
Acq: 19 Jul 2019 20:59

Tgt Ion: 62 Resp: 568727

Ion Ratio Lower Upper

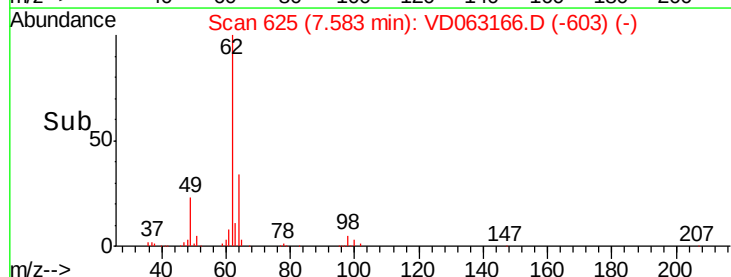
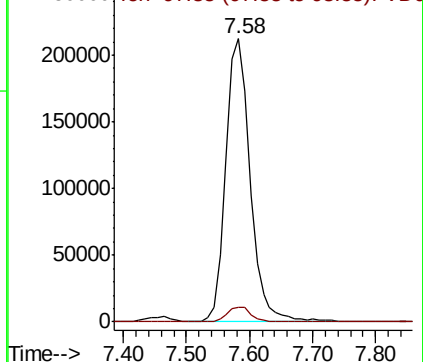
62 100

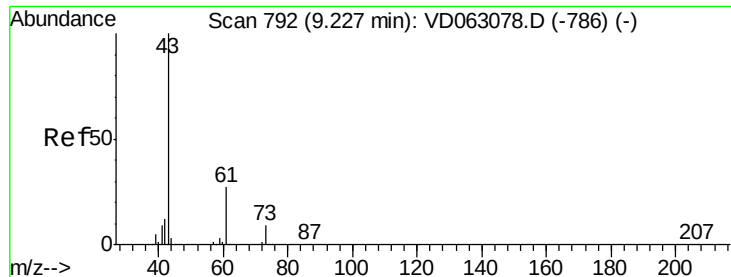
98 5.1 0.0 9.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 53.535 ug/l

RT: 9.25 min Scan# 794

Delta R.T. 0.02 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

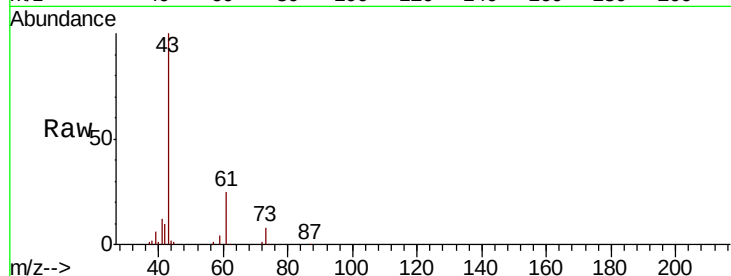
Tot Ion: 43 Resp: 315324

Ion Ratio Lower Upper

43 100

61 25.0 21.7 32.5

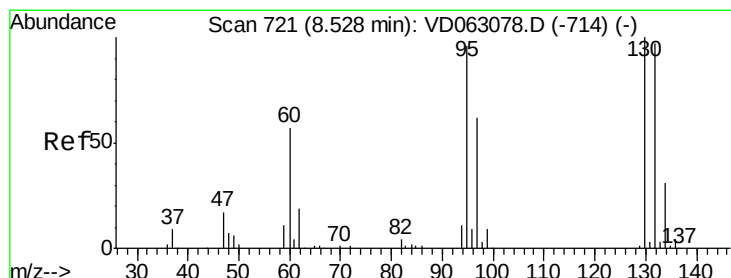
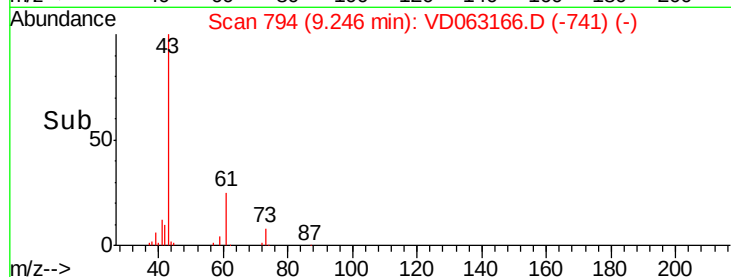
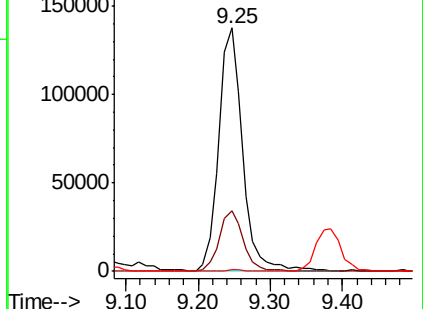
87 0.4 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 46.520 ug/l

RT: 8.54 min Scan# 722

Delta R.T. 0.01 min

Lab File: VD063166.D

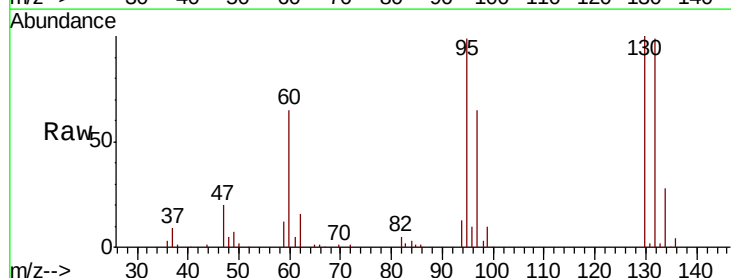
Acq: 19 Jul 2019 20:59

Tgt Ion: 130 Resp: 361539

Ion Ratio Lower Upper

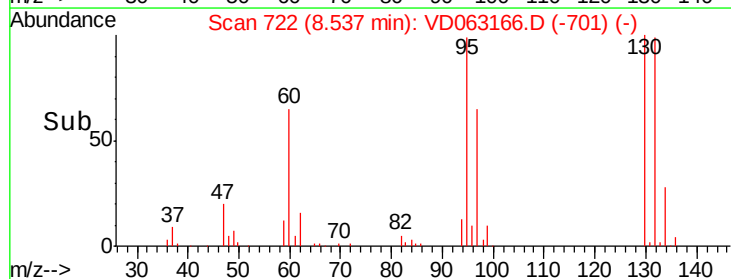
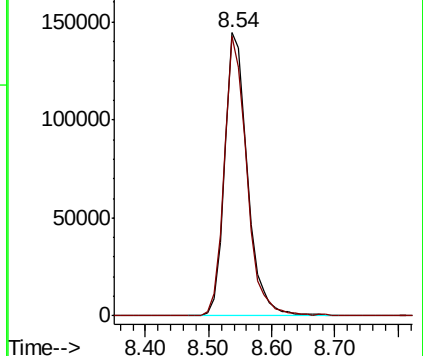
130 100

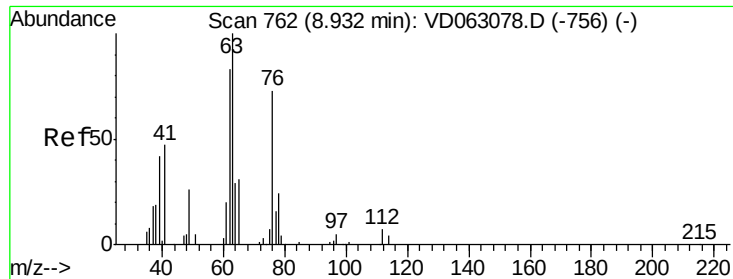
95 98.8 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

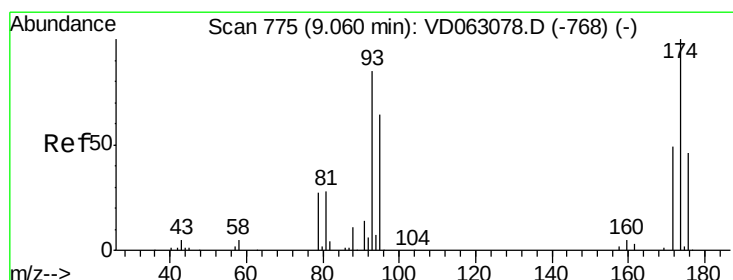
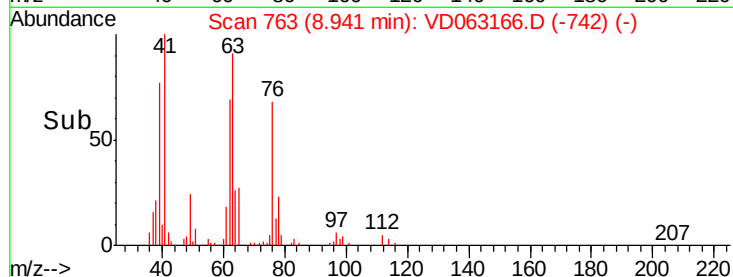
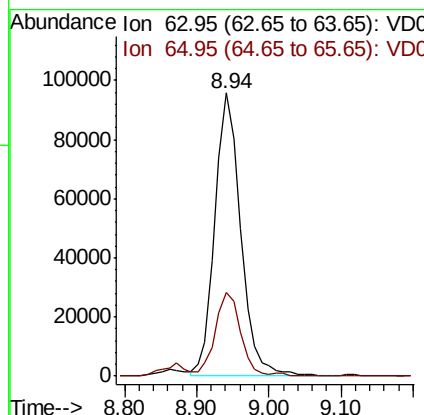
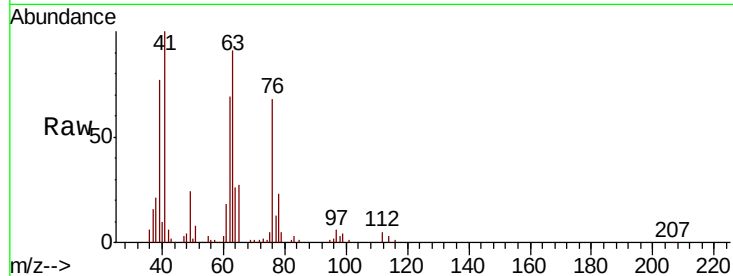




#45
 1,2-Dichloropropane
 Concen: 47.395 ug/l
 RT: 8.94 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VD063166.D
 Acq: 19 Jul 2019 20:59

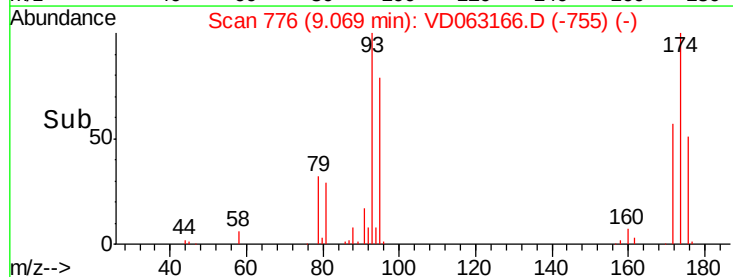
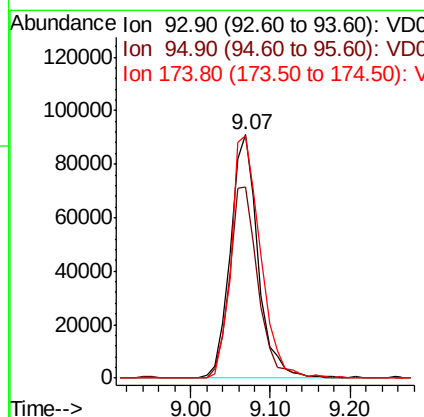
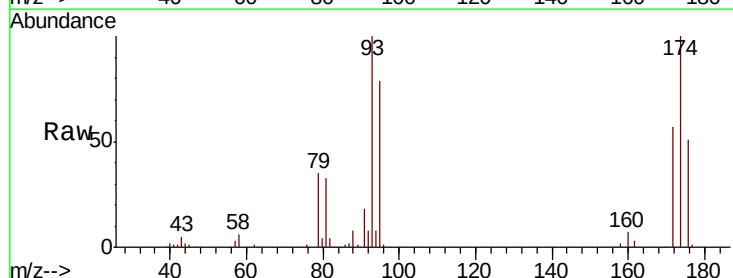
Instrument :
 MSVOA_D
 ClientSampleId :

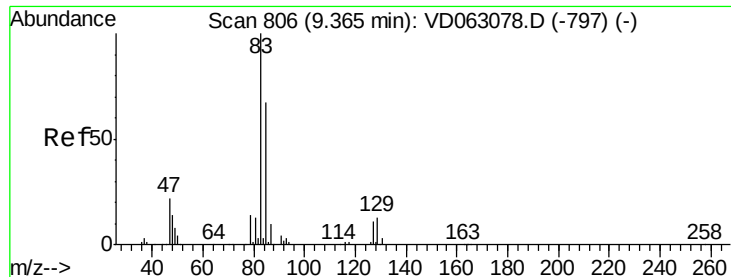
Tot Ion: 63 Resp: 237630
 Ion Ratio Lower Upper
 63 100
 65 29.7 26.3 39.5



#46
 Dibromomethane
 Concen: 51.289 ug/l
 RT: 9.07 min Scan# 776
 Delta R.T. 0.01 min
 Lab File: VD063166.D
 Acq: 19 Jul 2019 20:59

Tgt Ion: 93 Resp: 220978
 Ion Ratio Lower Upper
 93 100
 95 78.6 59.7 89.5
 174 99.8 93.9 140.9





#47

Bromodichloromethane

Concen: 52.576 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

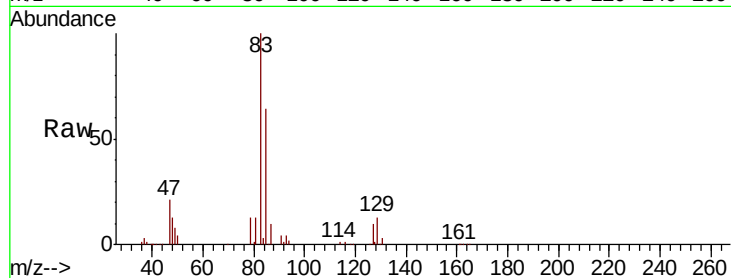
Tot Ion: 83 Resp: 591111

Ion Ratio Lower Upper

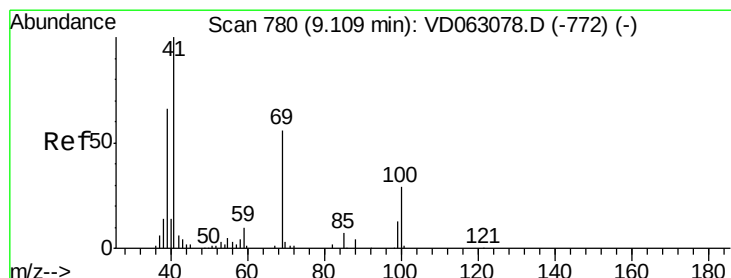
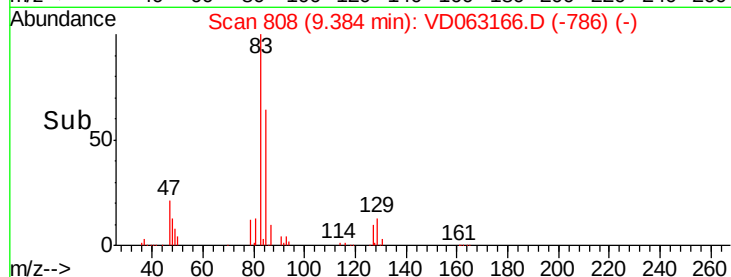
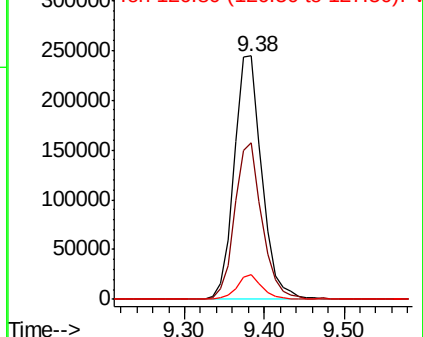
83 100

85 64.2 53.7 80.5

127 10.3 9.0 13.6



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 50.584 ug/l

RT: 9.13 min Scan# 782

Delta R.T. 0.02 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

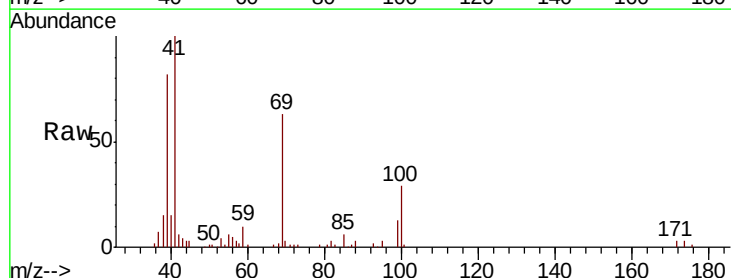
Tgt Ion: 41 Resp: 195657

Ion Ratio Lower Upper

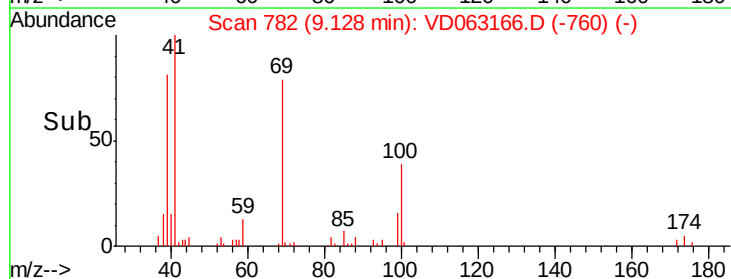
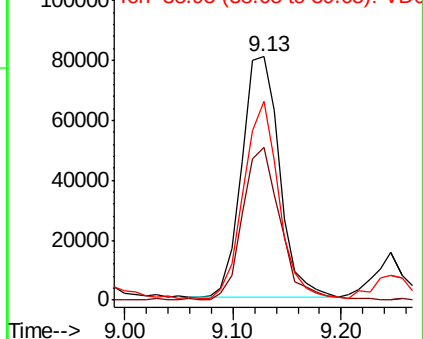
41 100

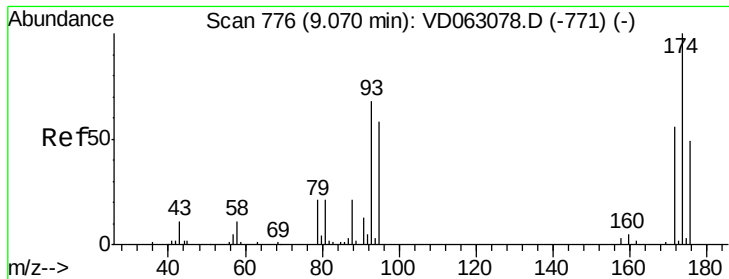
69 62.8 44.3 66.5

39 81.5 52.6 78.8#



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: 1091.161 ug/l

RT: 9.09 min Scan# 778

Delta R.T. 0.02 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

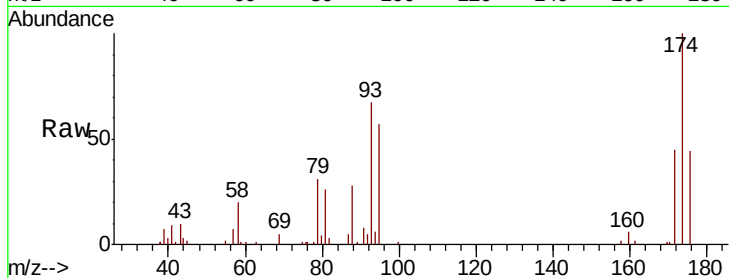
Tot Ion: 88 Resp: 36399

Ion Ratio Lower Upper

88 100

43 37.0 40.2 60.4#

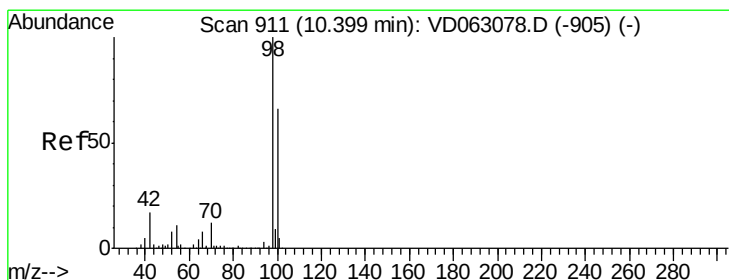
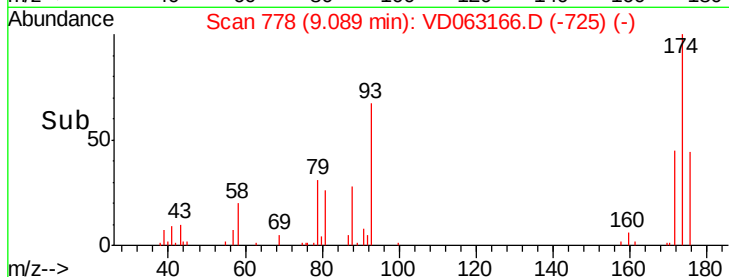
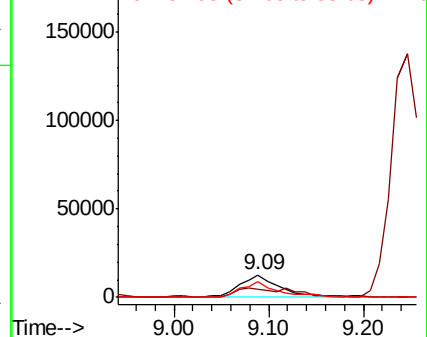
58 70.6 41.6 62.4#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 43.800 ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.01 min

Lab File: VD063166.D

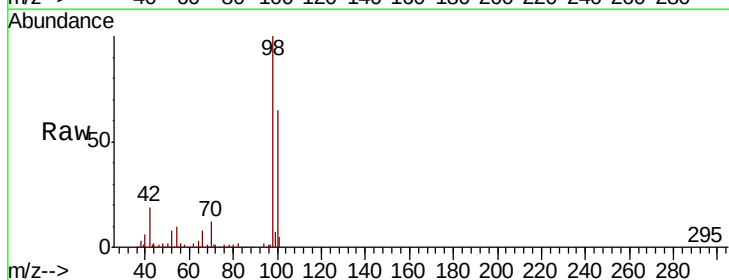
Acq: 19 Jul 2019 20:59

Tgt Ion: 98 Resp: 800017

Ion Ratio Lower Upper

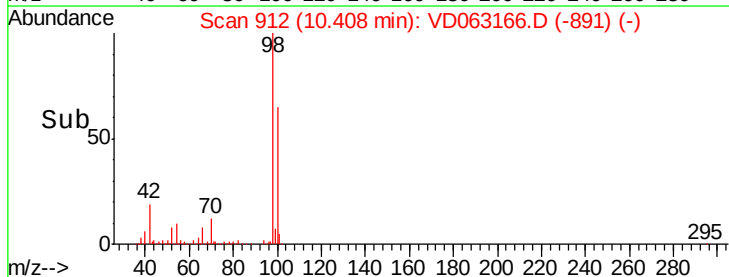
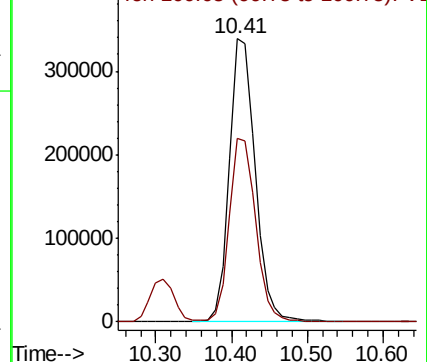
98 100

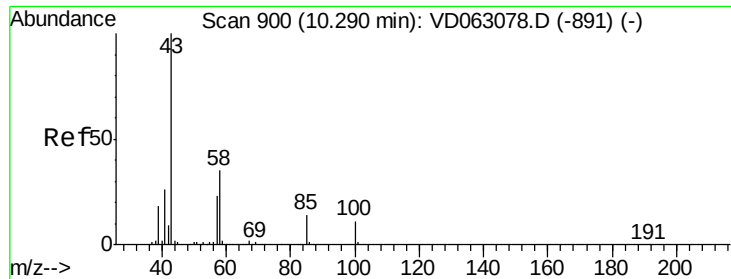
100 65.0 53.5 80.3



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 290.396 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.02 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA_D

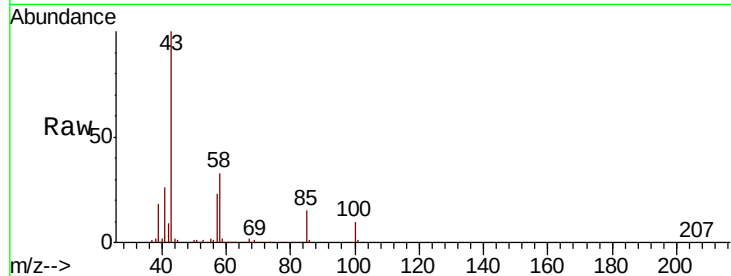
ClientSampled :

Tot Ion: 43 Resp: 1134459

Ion Ratio Lower Upper

43 100

58 33.4 27.8 41.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

500000

400000

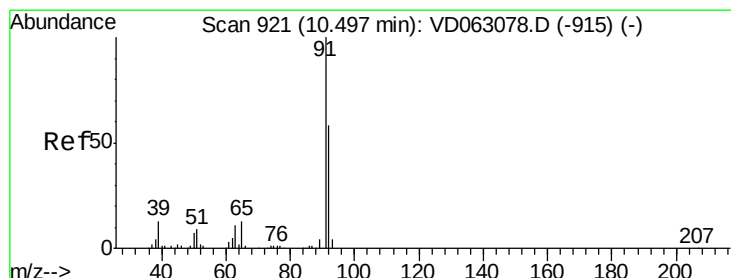
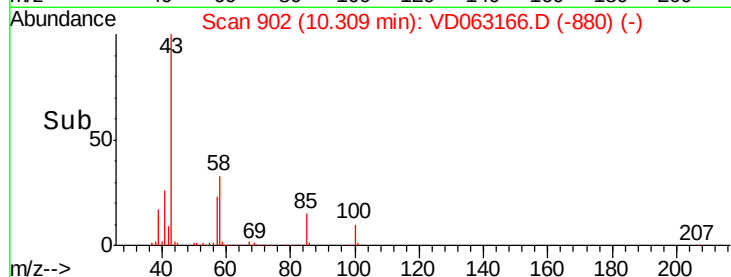
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 49.738 ug/l

RT: 10.52 min Scan# 923

Delta R.T. 0.02 min

Lab File: VD063166.D

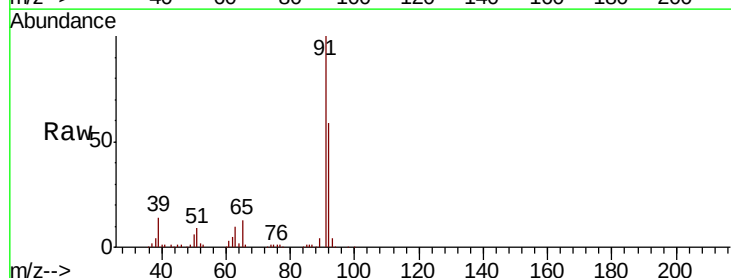
Acq: 19 Jul 2019 20:59

Tgt Ion: 92 Resp: 667916

Ion Ratio Lower Upper

92 100

91 169.2 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

600000

500000

400000

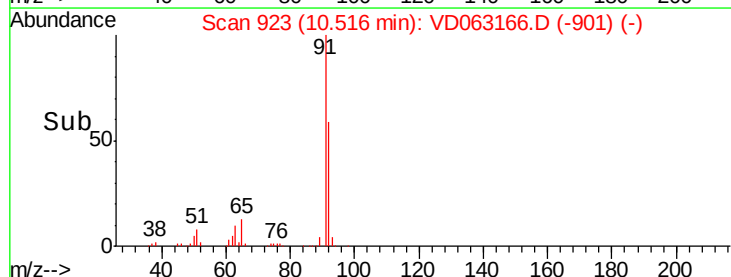
300000

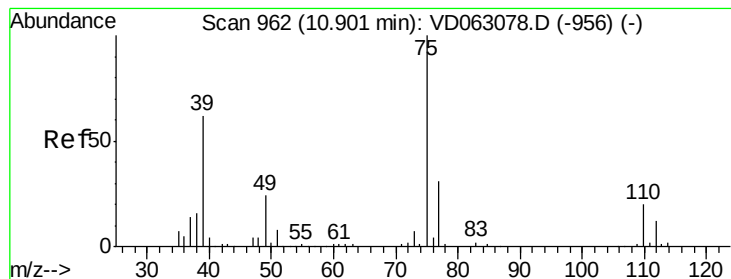
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.248 ug/l

RT: 10.92 min Scan# 964

Delta R.T. 0.02 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA_D

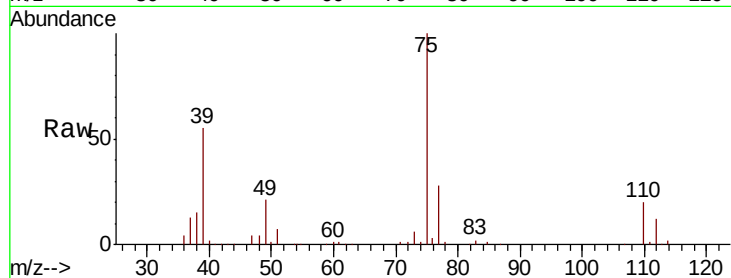
ClientSampled :

Tot Ion: 75 Resp: 474383

Ion Ratio Lower Upper

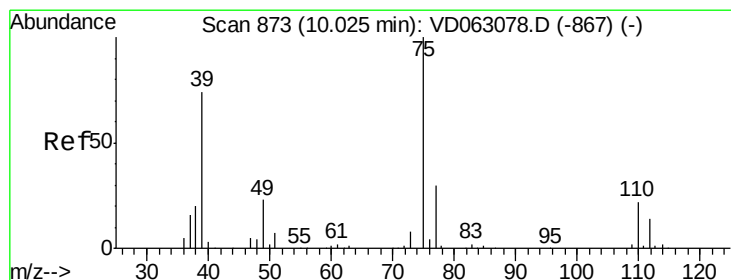
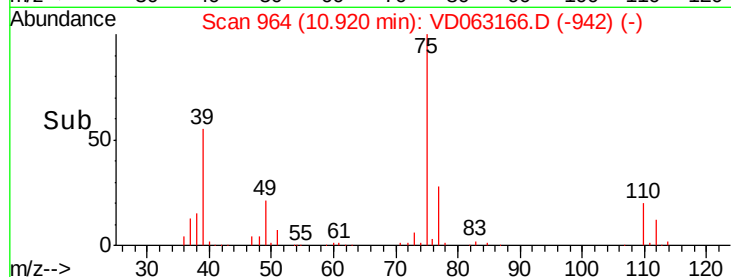
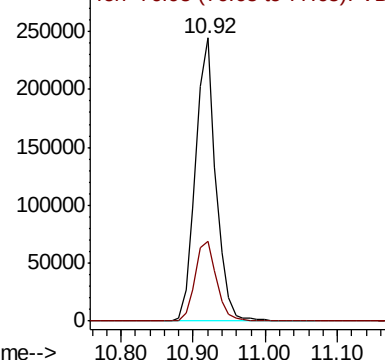
75 100

77 28.1 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 47.602 ug/l

RT: 10.04 min Scan# 875

Delta R.T. 0.02 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

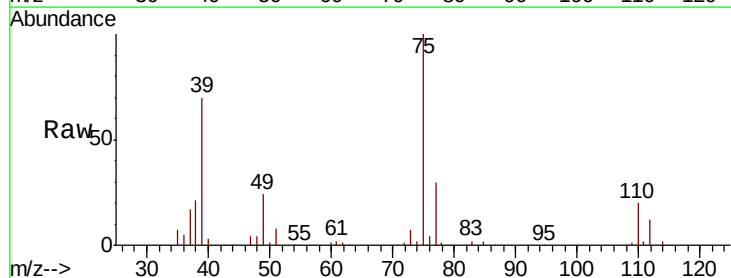
Tgt Ion: 75 Resp: 474114

Ion Ratio Lower Upper

75 100

77 30.2 23.9 35.9

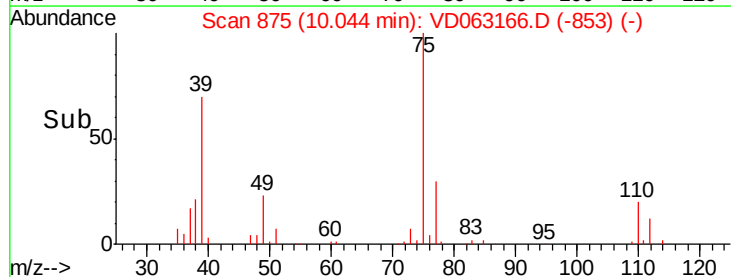
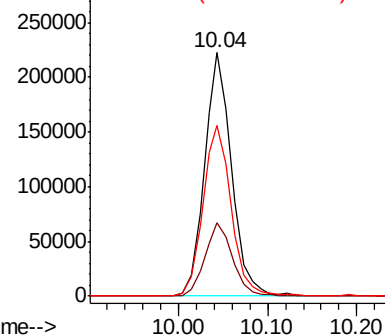
39 70.3 59.4 89.0

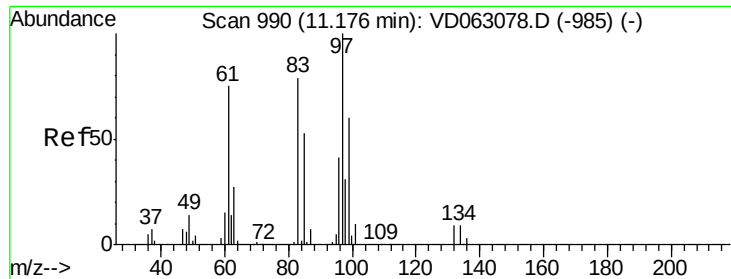


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

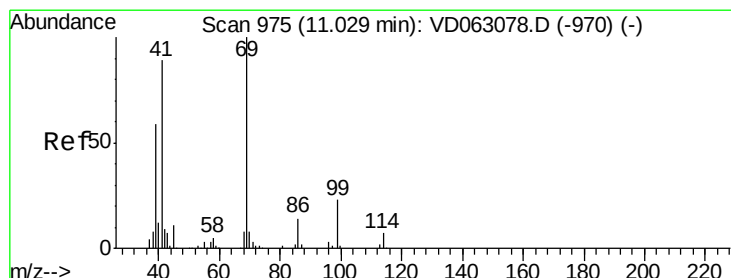
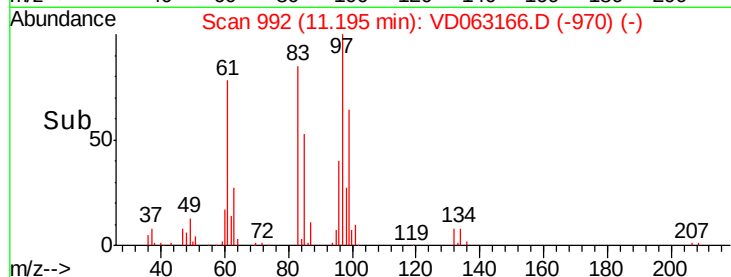
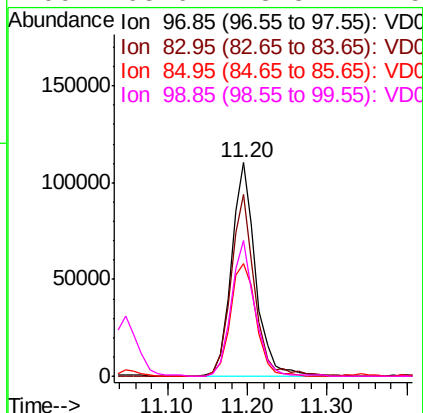
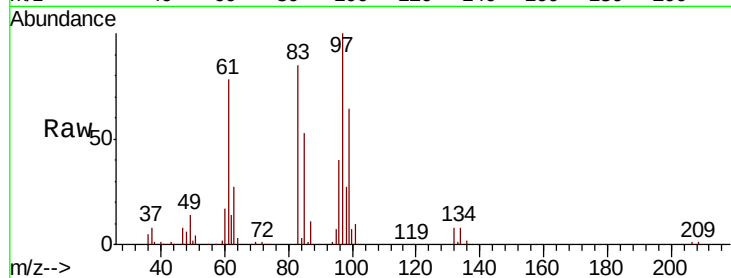




#55
 1,1,2-Trichloroethane
 Concen: 50.154 ug/l
 RT: 11.20 min Scan# 992
 Delta R.T. 0.02 min
 Lab File: VD063166.D
 Acq: 19 Jul 2019 20:59

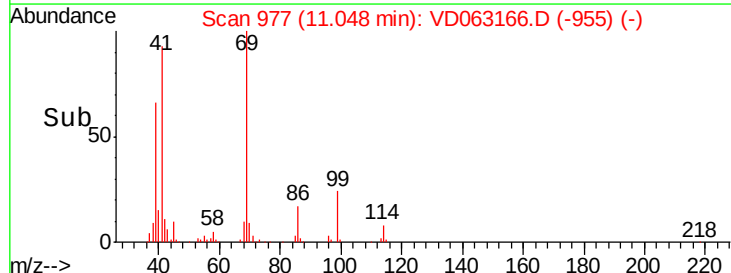
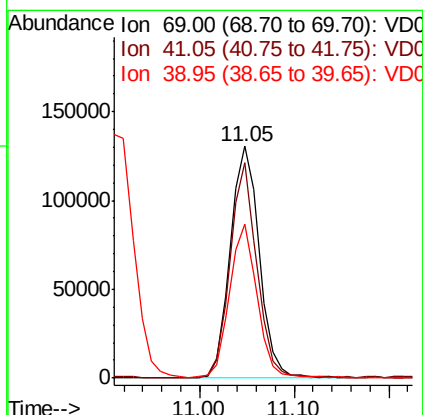
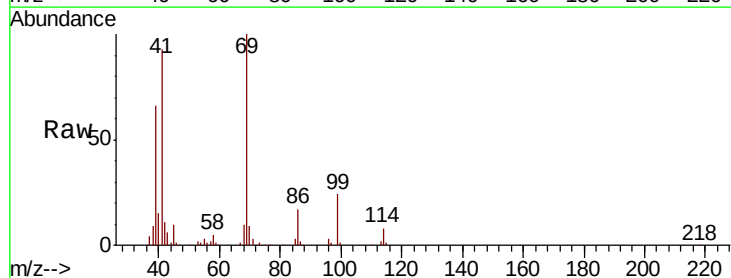
Instrument :
 MSVOA_D
 ClientSampleId :

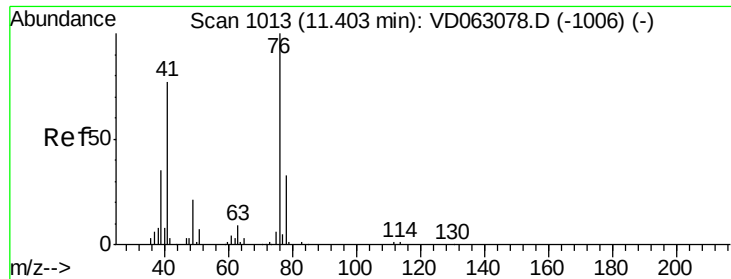
Tot Ion:	97	Resp:	232750
Ion	Ratio	Lower	Upper
97	100		
83	85.1	63.2	94.8
85	52.9	42.0	63.0
99	63.6	48.3	72.5



#56
 Ethyl methacrylate
 Concen: 53.383 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. 0.02 min
 Lab File: VD063166.D
 Acq: 19 Jul 2019 20:59

Tgt Ion:	69	Resp:	276797
Ion	Ratio	Lower	Upper
69	100		
41	92.9	71.0	106.4
39	66.3	47.7	71.5

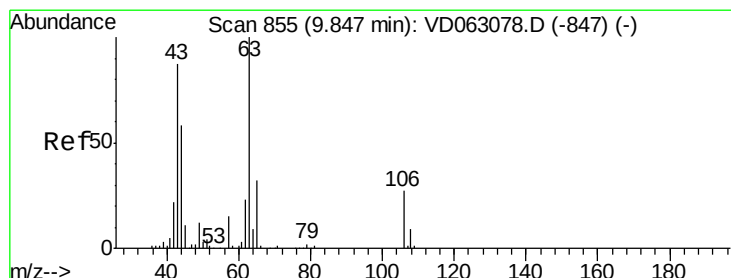
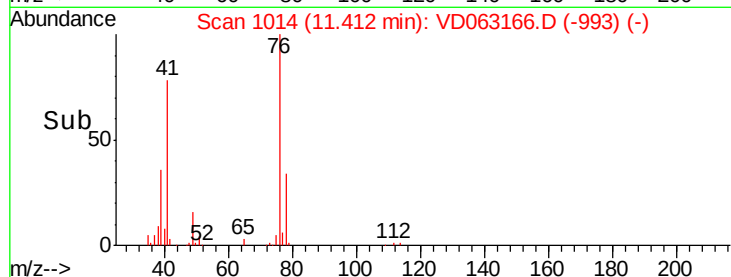
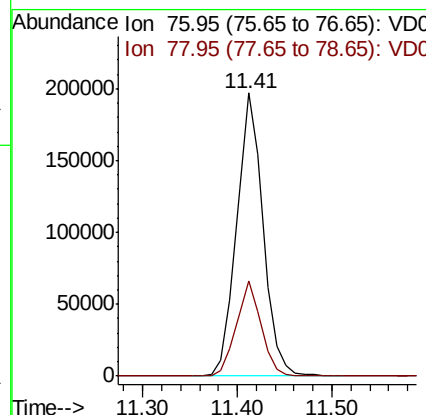
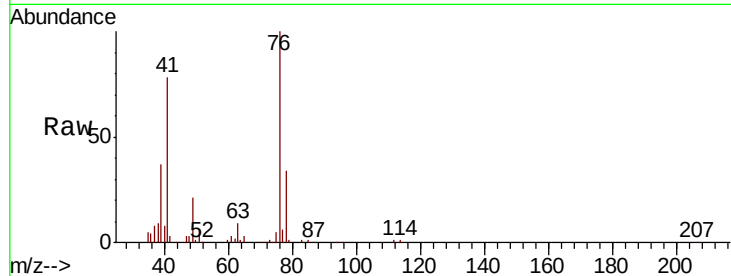




#57
 1,3-Dichloropropane
 Concen: 53.640 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VD063166.D
 Acq: 19 Jul 2019 20:59

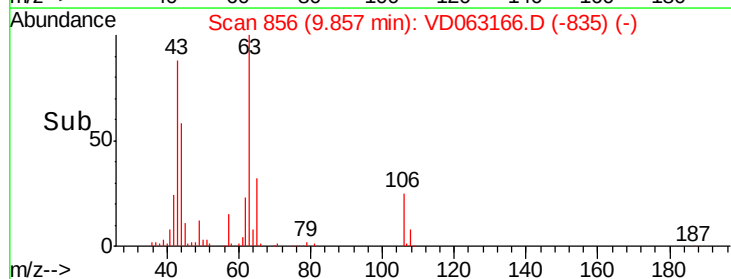
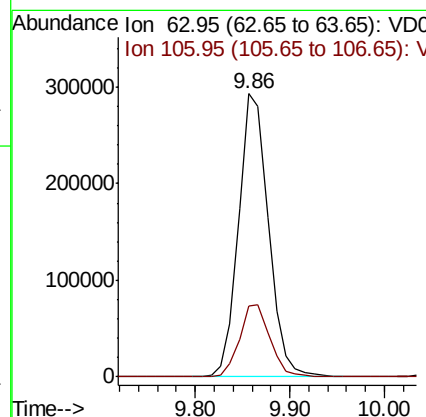
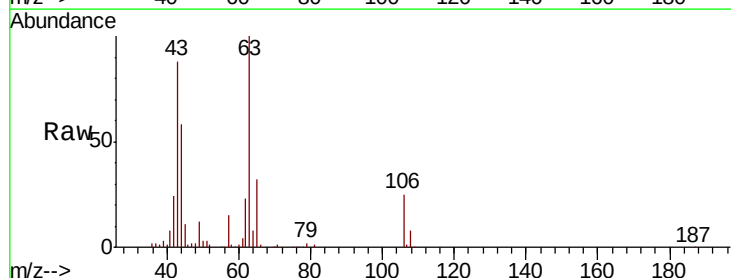
Instrument :
 MSVOA_D
 ClientSampleId :

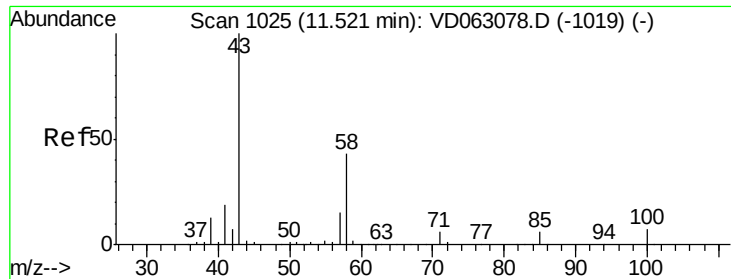
Tot Ion: 76 Resp: 378785
 Ion Ratio Lower Upper
 76 100
 78 33.7 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 223.103 ug/l
 RT: 9.86 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VD063166.D
 Acq: 19 Jul 2019 20:59

Tgt Ion: 63 Resp: 644121
 Ion Ratio Lower Upper
 63 100
 106 25.2 21.3 31.9

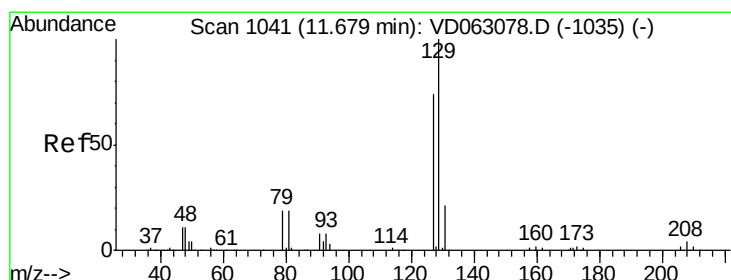
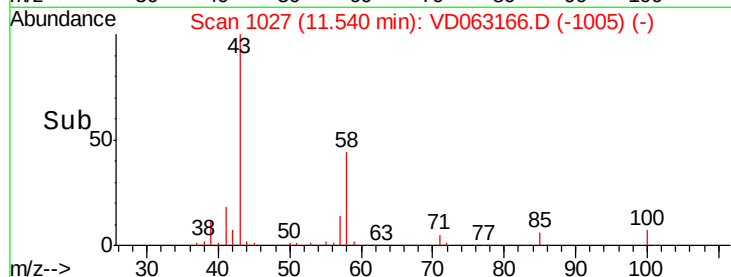
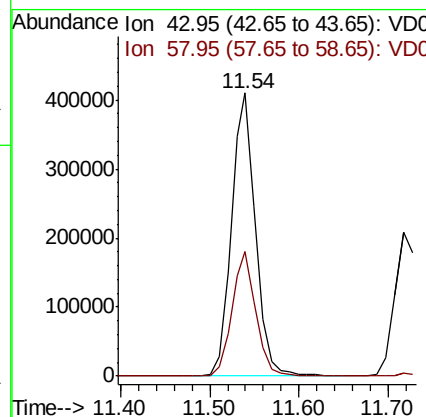
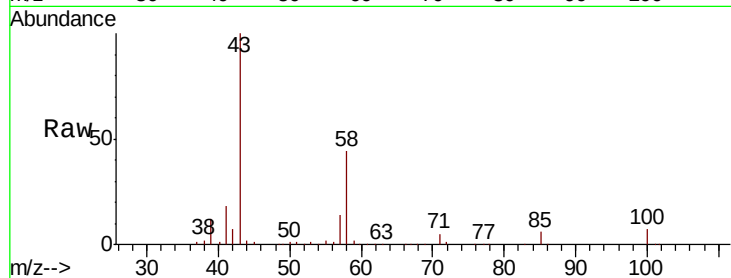




#59
2-Hexanone
Concen: 258.086 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.02 min
Lab File: VD063166.D
Acq: 19 Jul 2019 20:59

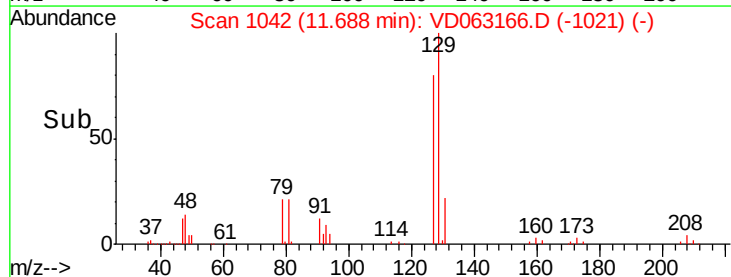
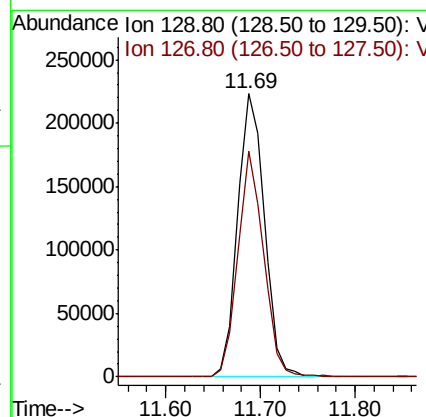
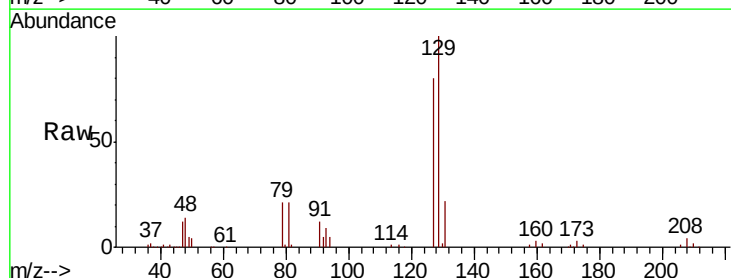
Instrument :
MSVOA_D
ClientSampled :

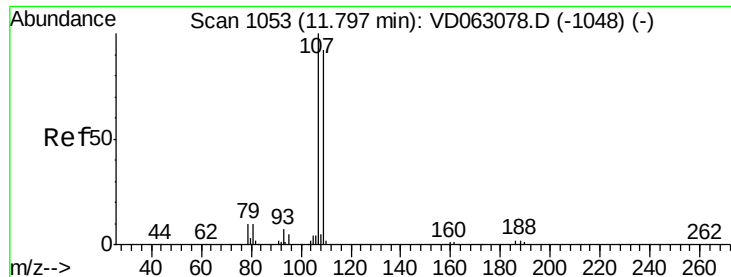
Tot Ion: 43 Resp: 777559
Ion Ratio Lower Upper
43 100
58 44.1 21.7 65.1



#60
Dibromochloromethane
Concen: 49.285 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VD063166.D
Acq: 19 Jul 2019 20:59

Tgt Ion: 129 Resp: 438428
Ion Ratio Lower Upper
129 100
127 79.7 37.0 110.9





#61

1,2-Dibromoethane

Concen: 54.361 ug/l

RT: 11.81 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA_D

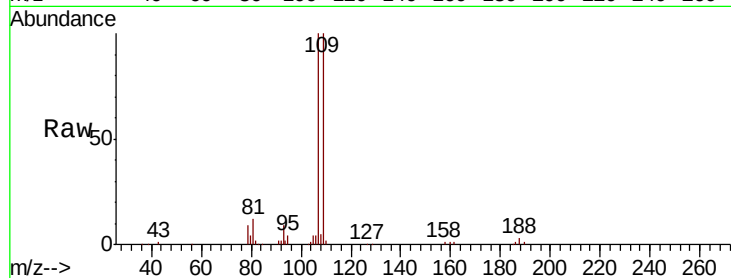
ClientSampleId :

Tot Ion:107 Resp: 301971

Ion Ratio Lower Upper

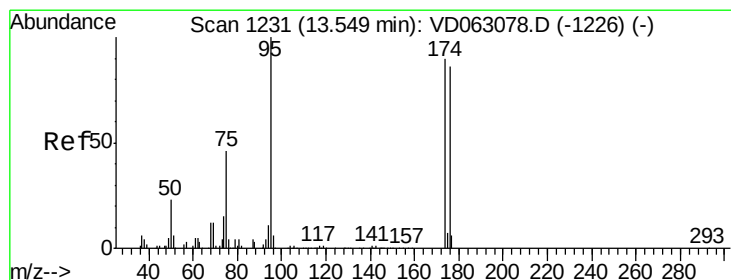
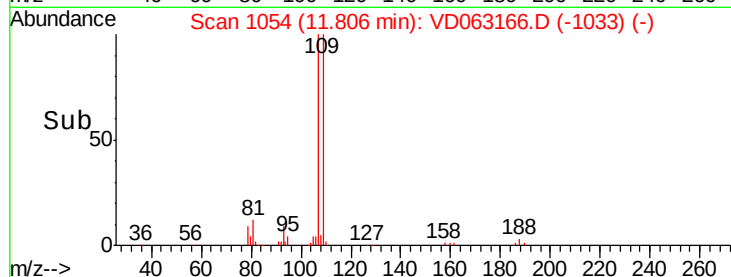
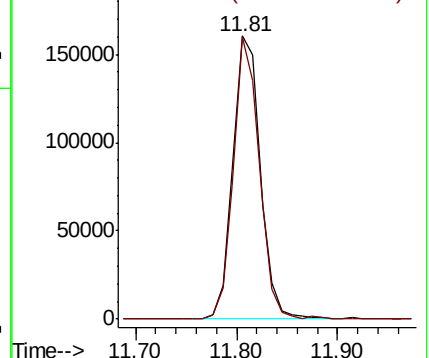
107 100

109 99.6 73.6 110.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 47.510 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

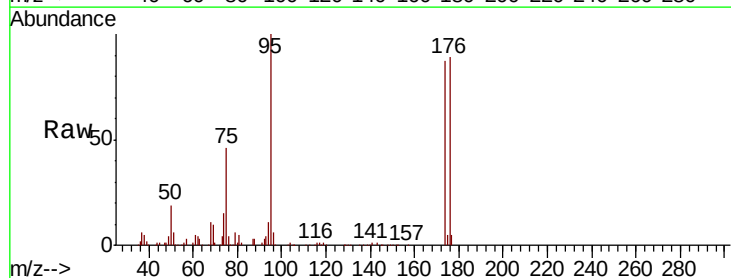
Tgt Ion: 95 Resp: 401464

Ion Ratio Lower Upper

95 100

174 87.4 0.0 180.6

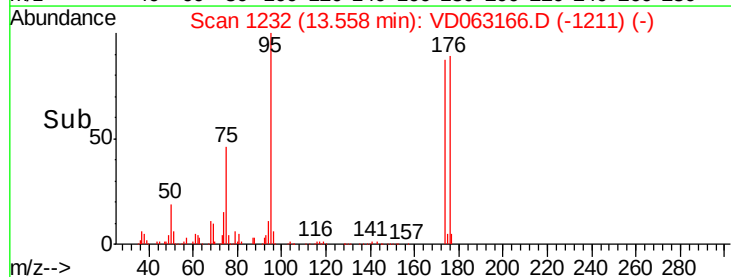
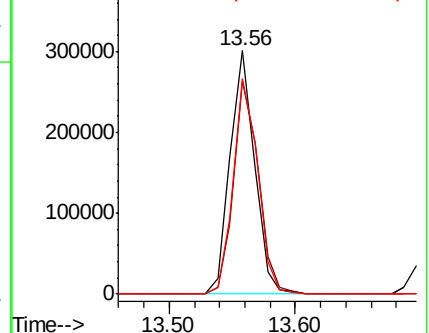
176 88.5 0.0 172.2

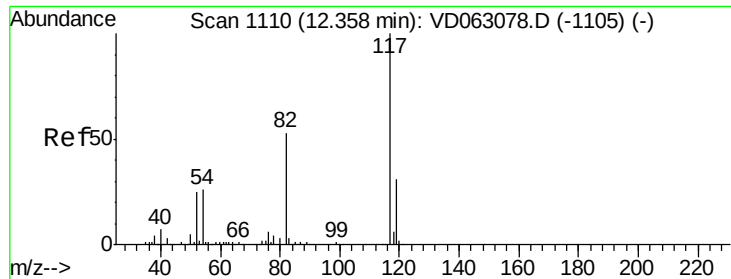


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

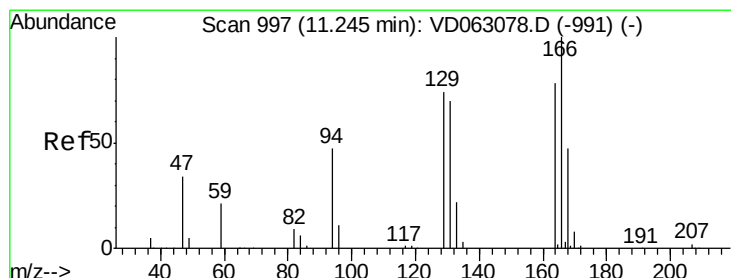
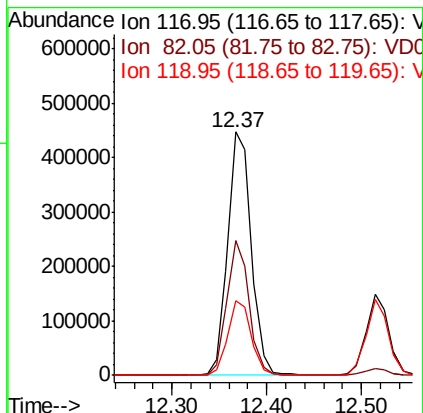
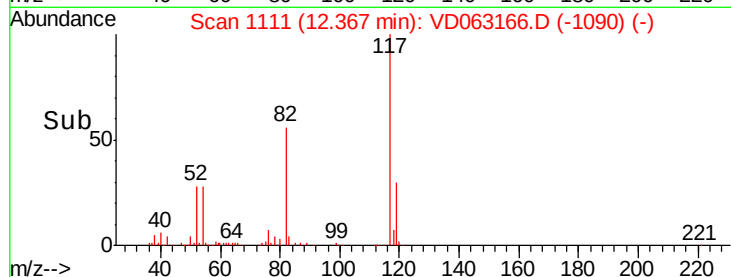
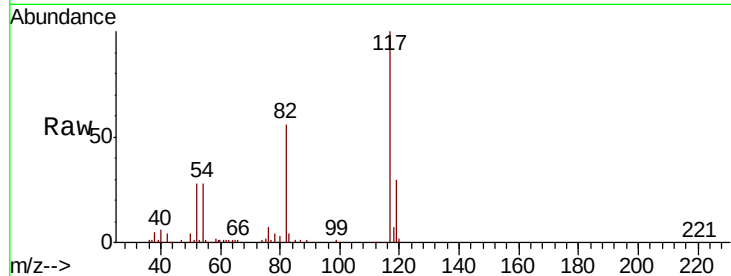




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD063166.D
Acq: 19 Jul 2019 20:59

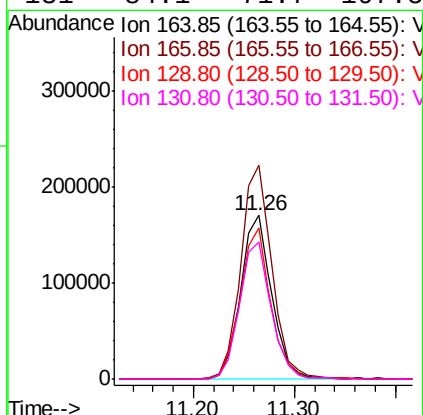
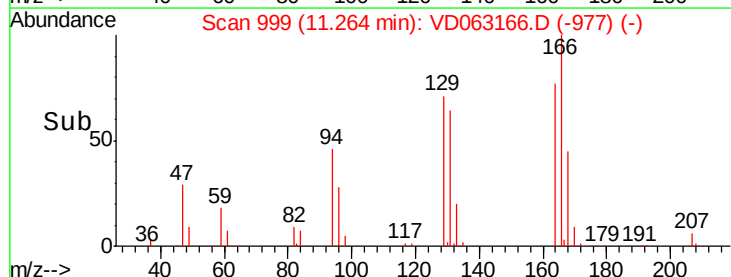
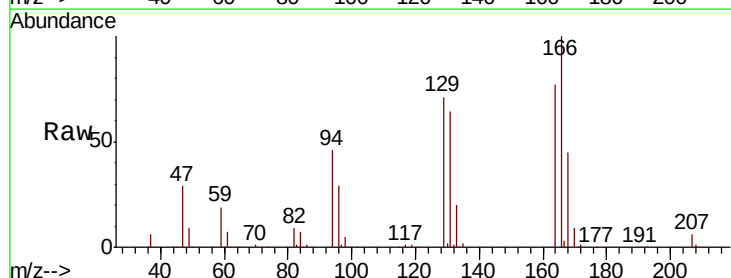
Instrument :
MSVOA_D
ClientSampled :

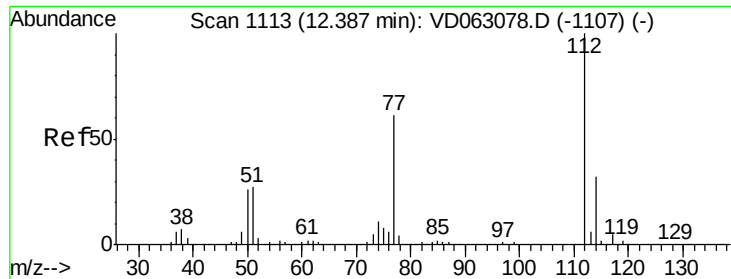
Tot Ion:117 Resp: 773176
Ion Ratio Lower Upper
117 100
82 55.6 42.3 63.5
119 30.4 25.2 37.8



#64
Tetrachloroethene
Concen: 48.598 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.02 min
Lab File: VD063166.D
Acq: 19 Jul 2019 20:59

Tgt Ion:164 Resp: 364597
Ion Ratio Lower Upper
164 100
166 130.6 102.8 154.2
129 92.7 76.4 114.6
131 84.1 71.7 107.5





#65

Chlorobenzene

Concen: 46.488 ug/l

RT: 12.41 min Scan# 1115

Delta R.T. 0.02 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA_D

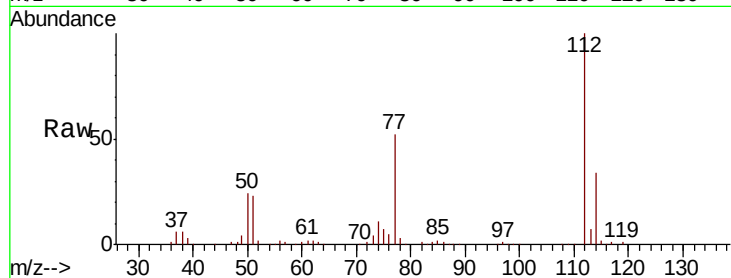
ClientSampled :

Tot Ion:112 Resp: 844924

Ion Ratio Lower Upper

112 100

114 34.2 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

12.41

500000

400000

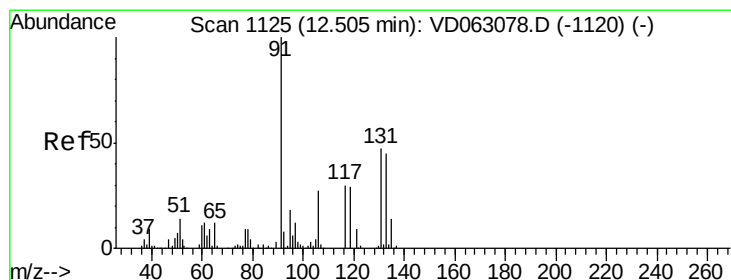
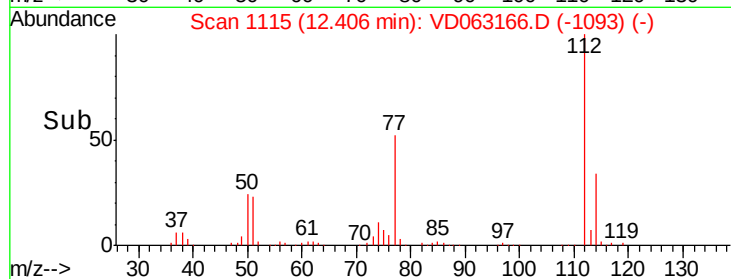
300000

200000

100000

0

Time--> 12.30 12.40 12.50



#66

1,1,1,2-Tetrachloroethane

Concen: 45.824 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

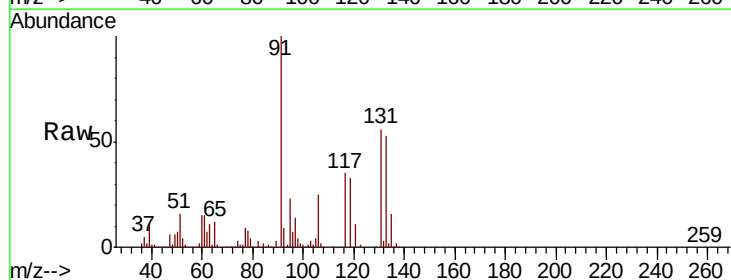
Tgt Ion:131 Resp: 386137

Ion Ratio Lower Upper

131 100

133 94.3 48.5 145.6

119 58.9 30.8 92.3



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

12.51

300000

250000

200000

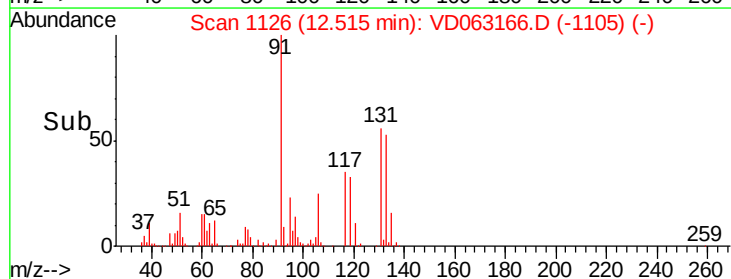
150000

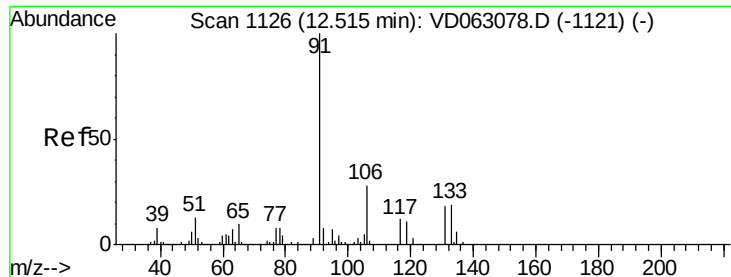
100000

50000

0

Time--> 12.40 12.50 12.60

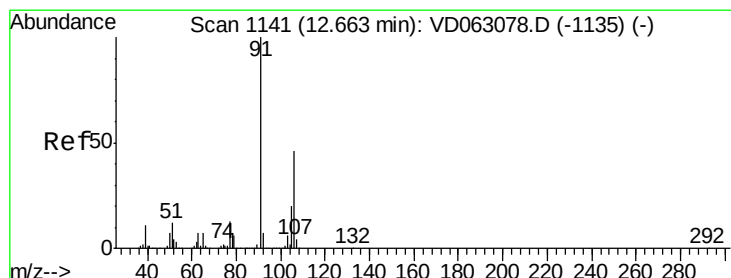
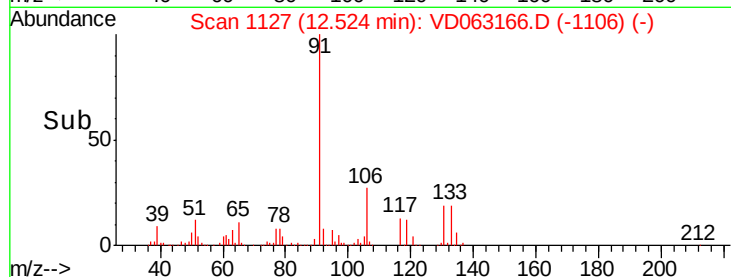
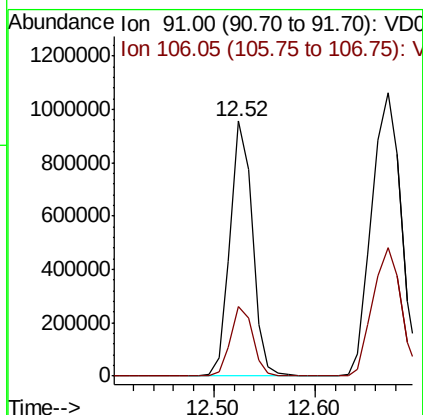
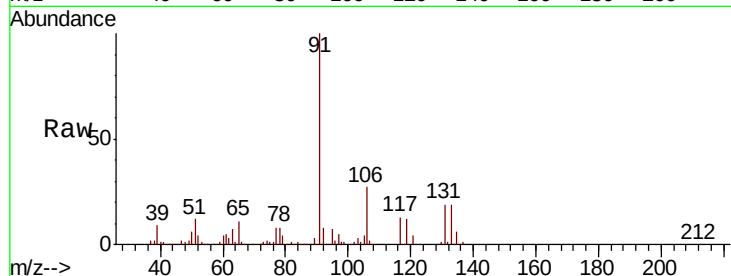




#67
Ethyl Benzene
Concen: 46.462 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD063166.D
Acq: 19 Jul 2019 20:59

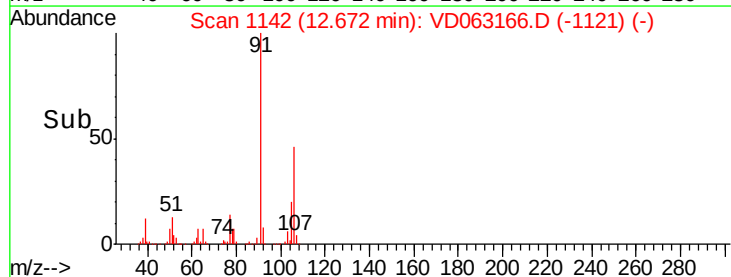
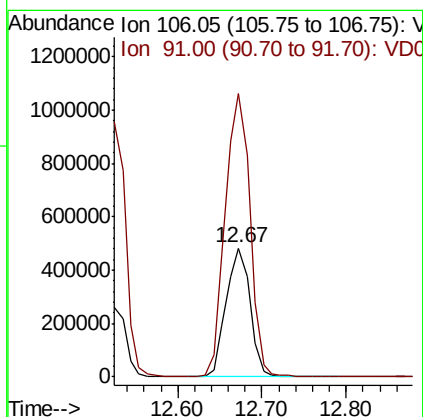
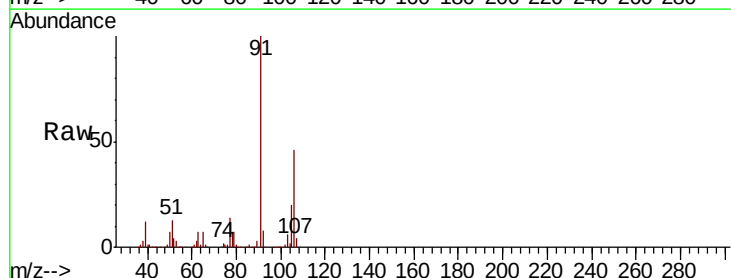
Instrument :
MSVOA_D
ClientSampled :

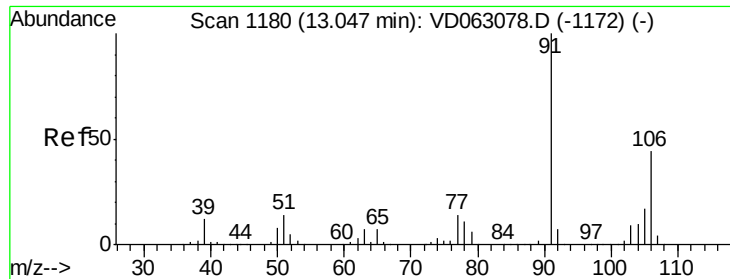
Tot Ion: 91 Resp: 1467265
Ion Ratio Lower Upper
91 100
106 27.3 22.5 33.7



#68
m/p-Xylenes
Concen: 84.647 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD063166.D
Acq: 19 Jul 2019 20:59

Tgt Ion: 106 Resp: 957433
Ion Ratio Lower Upper
106 100
91 219.2 173.0 259.6

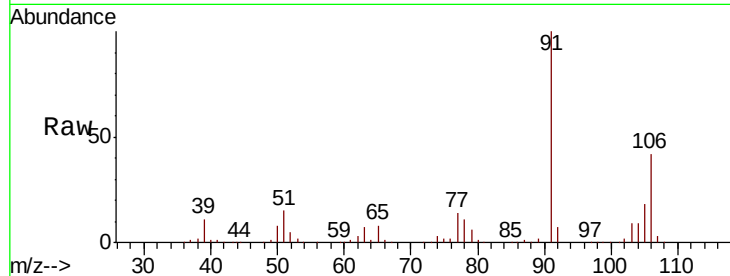




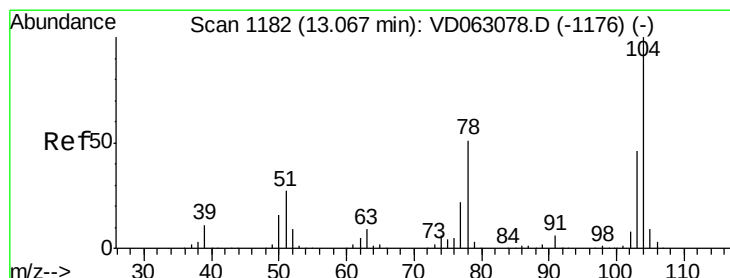
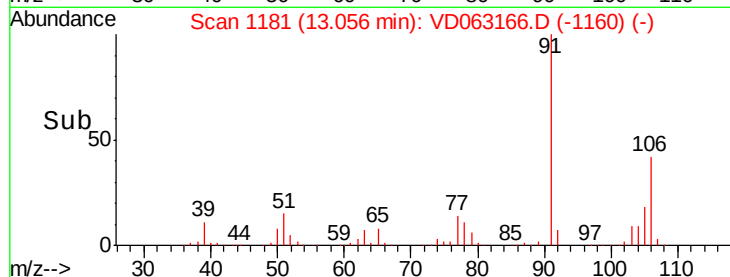
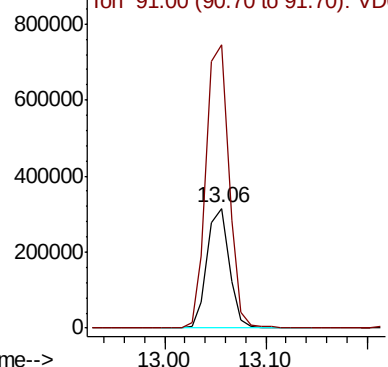
#69
o-Xylene
Concen: 45.137 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD063166.D
Acq: 19 Jul 2019 20:59

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 484099
Ion Ratio Lower Upper
106 100
91 236.6 114.9 344.7

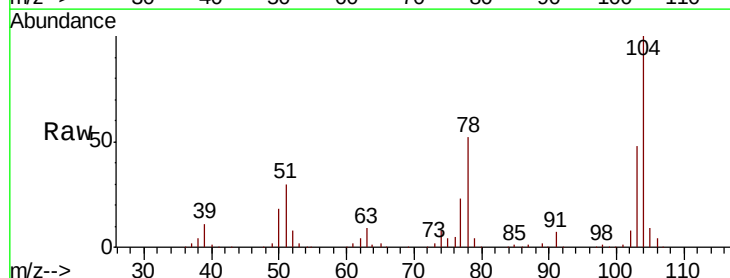


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

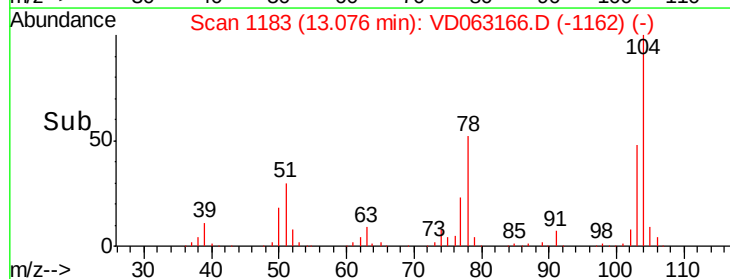
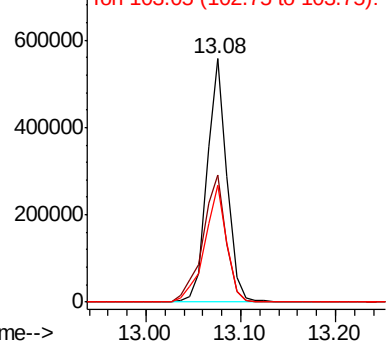


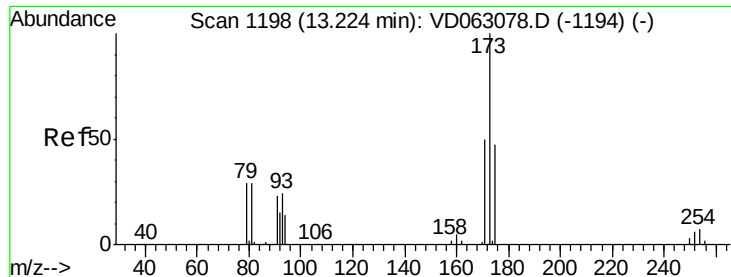
#70
Styrene
Concen: 42.871 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VD063166.D
Acq: 19 Jul 2019 20:59

Tgt Ion:104 Resp: 804826
Ion Ratio Lower Upper
104 100
78 52.4 41.1 61.7
103 48.2 37.0 55.6



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: 52.219 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

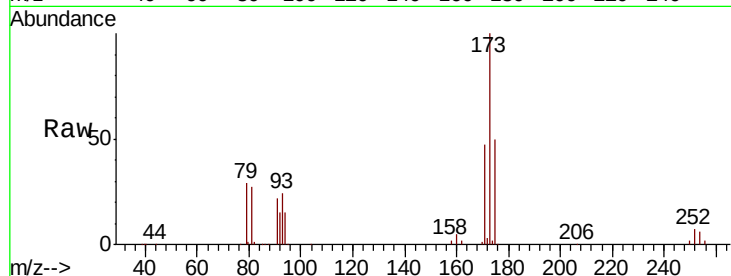
Tot Ion:173 Resp: 308061

Ion Ratio Lower Upper

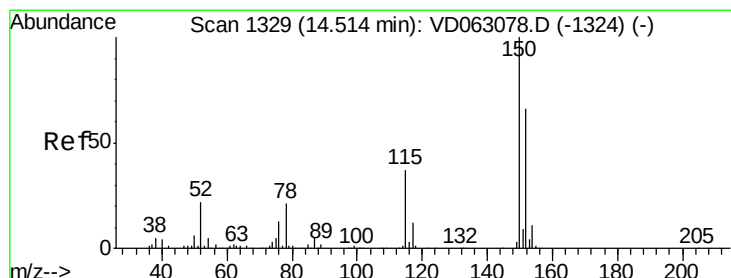
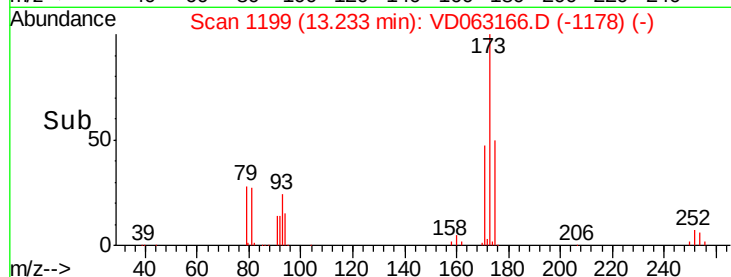
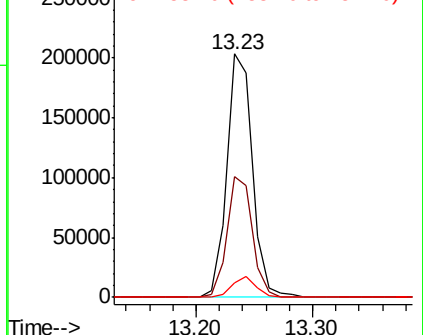
173 100

175 49.6 23.4 70.2

254 6.0 5.4 8.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

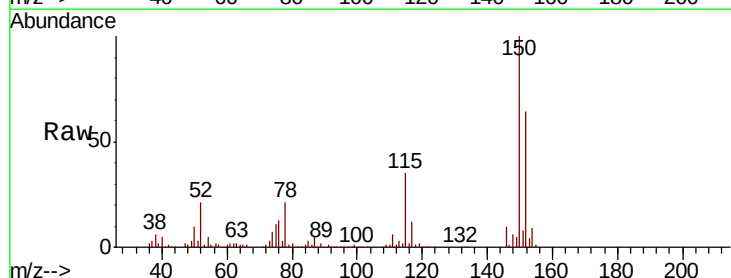
Tgt Ion:152 Resp: 405723

Ion Ratio Lower Upper

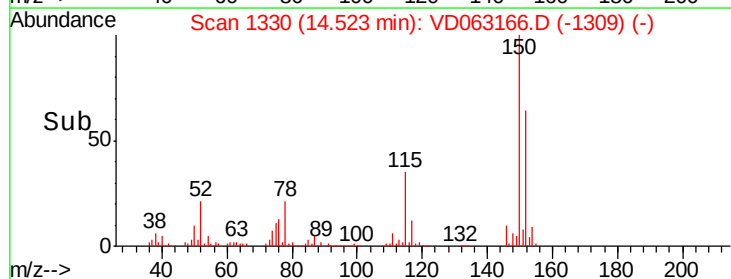
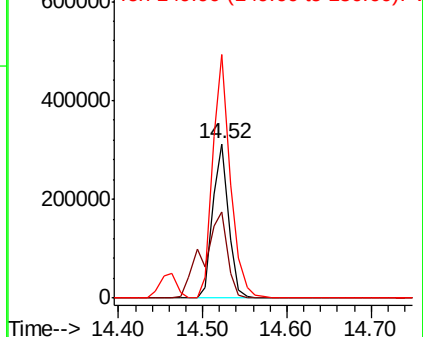
152 100

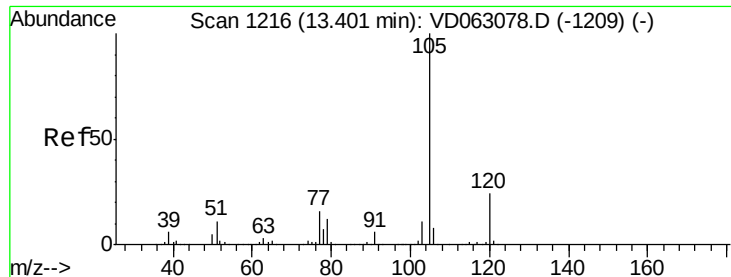
115 55.8 28.9 86.8

150 157.4 0.0 313.8



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





#73

Isopropylbenzene

Concen: 48.792 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA_D

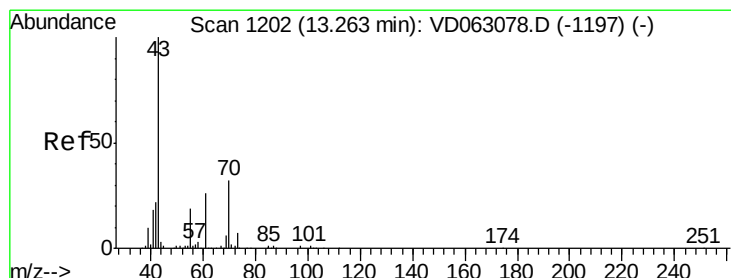
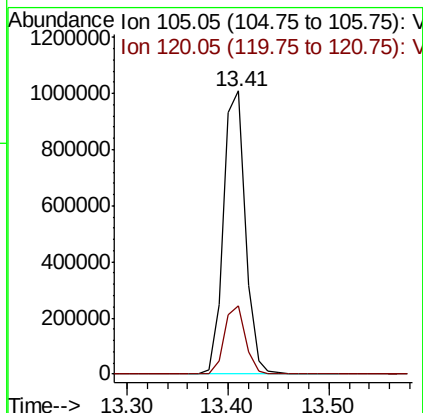
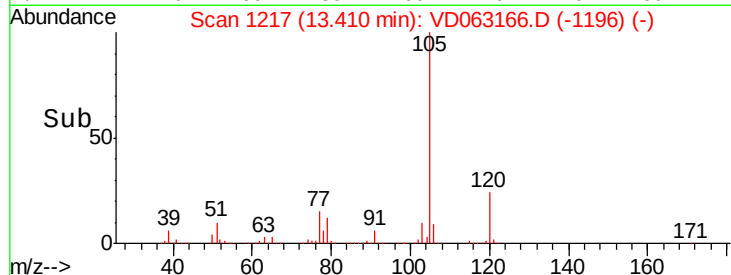
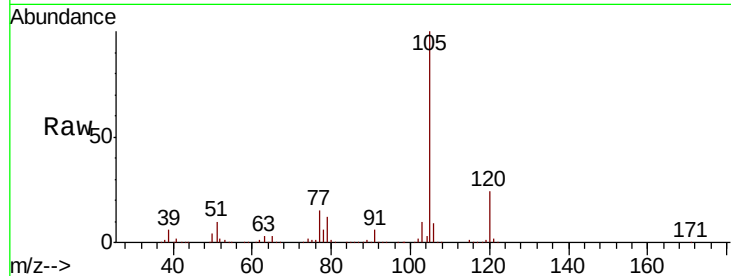
ClientSampleId :

Tot Ion:105 Resp: 1528793

Ion Ratio Lower Upper

105 100

120 24.0 12.2 36.4



#74

N-ethyl acetate

Concen: 50.804 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Tgt Ion: 43 Resp: 443945

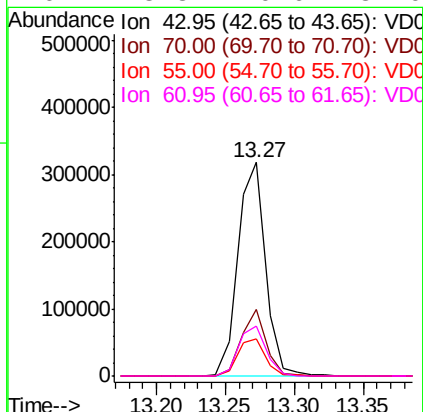
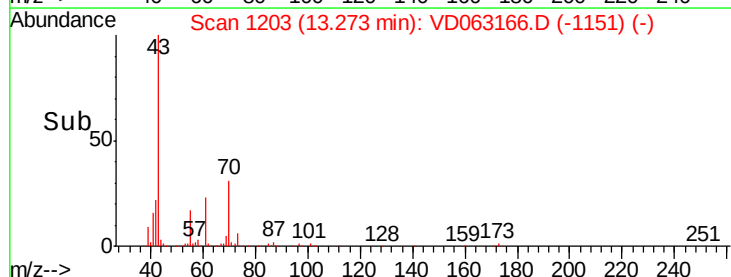
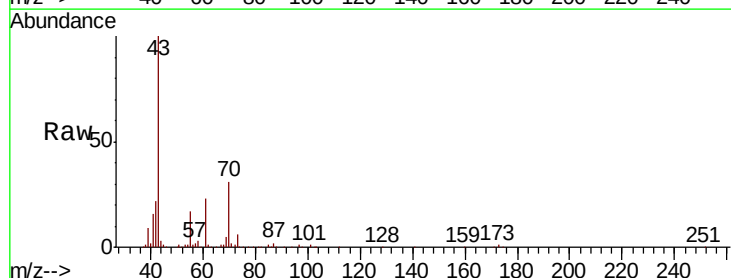
Ion Ratio Lower Upper

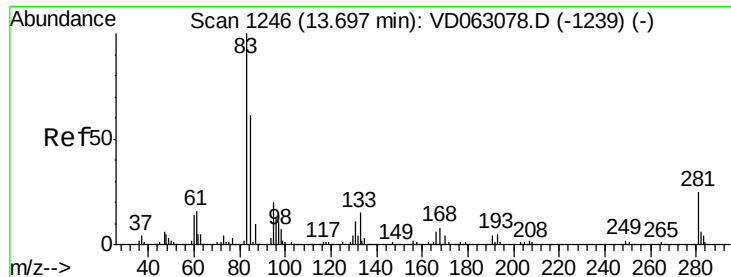
43 100

70 31.2 25.5 38.3

55 17.1 15.4 23.0

61 23.3 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 55.466 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

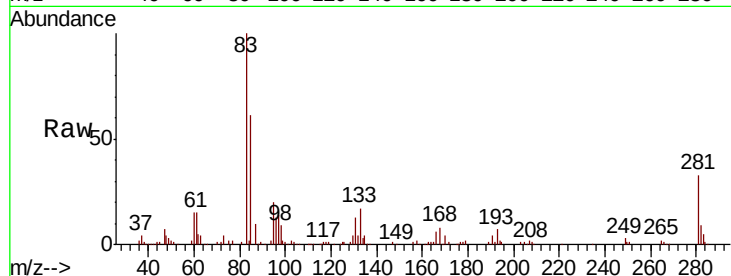
Tot Ion: 83 Resp: 316202

Ion Ratio Lower Upper

83 100

131 12.9 5.5 16.7

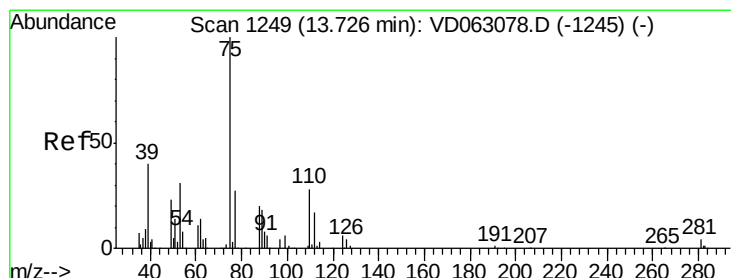
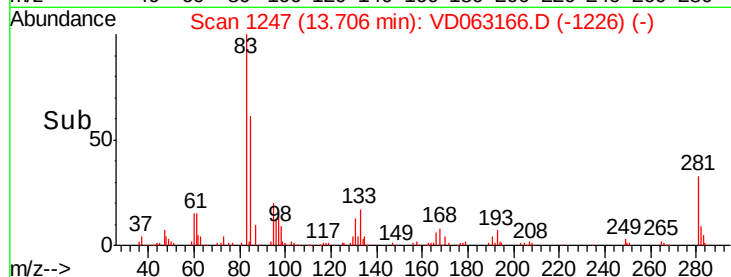
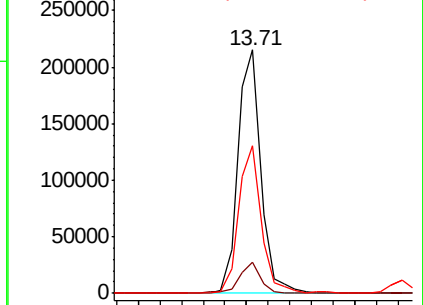
85 60.6 30.7 92.1



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: 53.090 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD063166.D

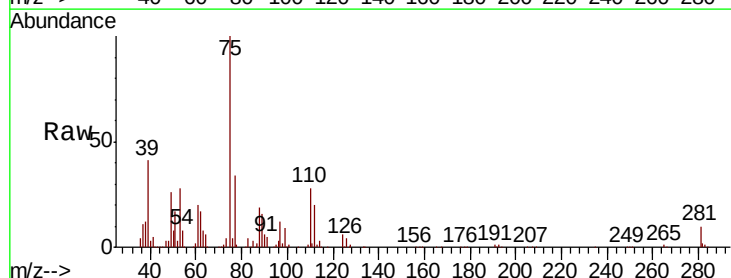
Acq: 19 Jul 2019 20:59

Tgt Ion: 75 Resp: 331346

Ion Ratio Lower Upper

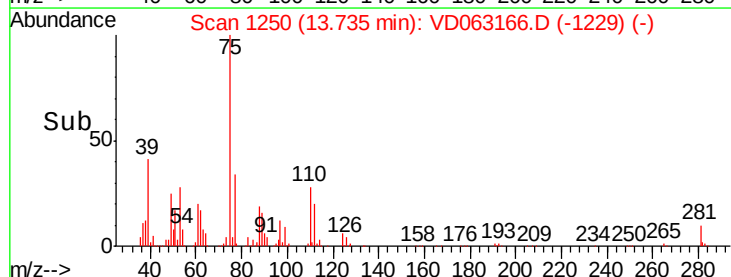
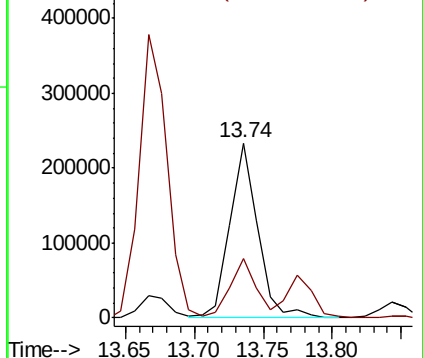
75 100

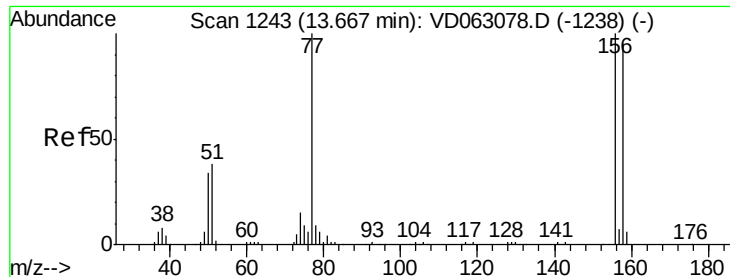
77 33.7 16.3 48.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 49.829 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

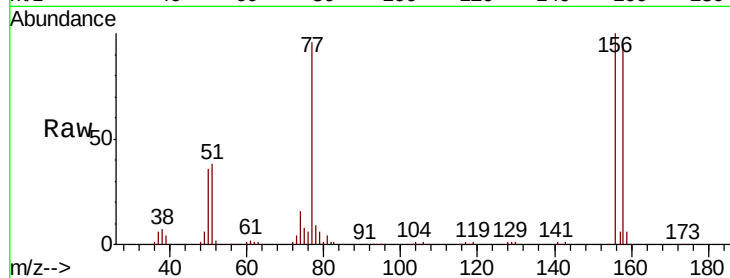
Tot Ion:156 Resp: 442756

Ion Ratio Lower Upper

156 100

77 95.8 50.2 150.7

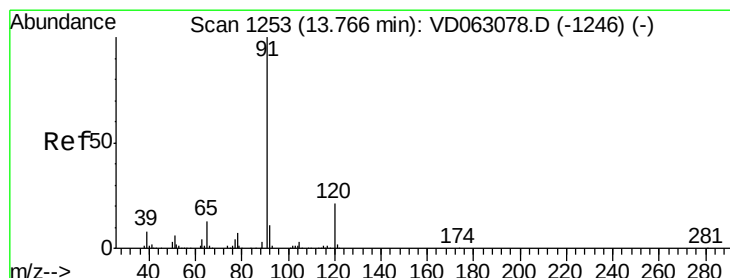
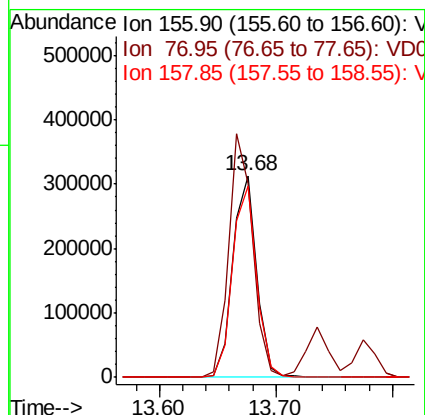
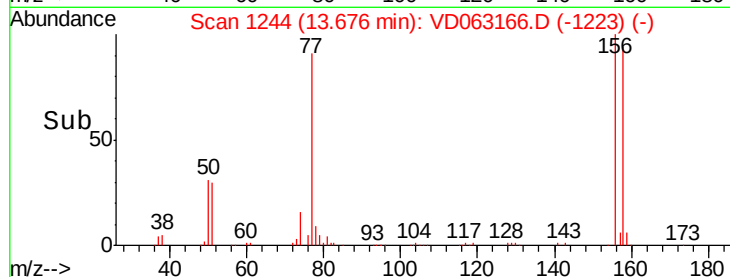
158 94.5 47.6 142.9



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: 50.121 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD063166.D

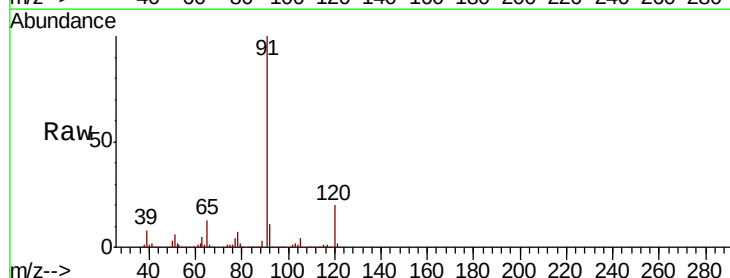
Acq: 19 Jul 2019 20:59

Tgt Ion: 91 Resp: 1807222

Ion Ratio Lower Upper

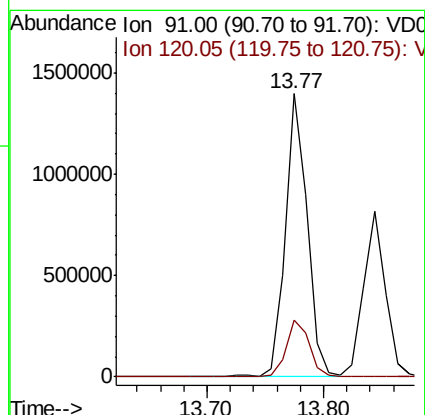
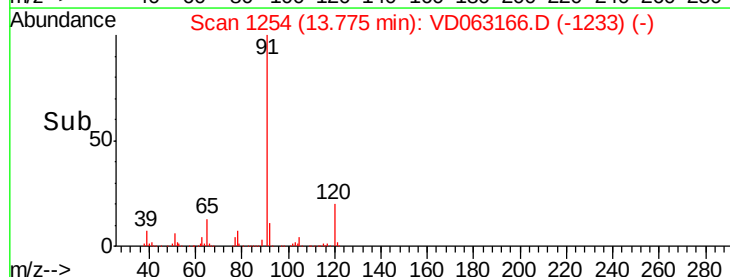
91 100

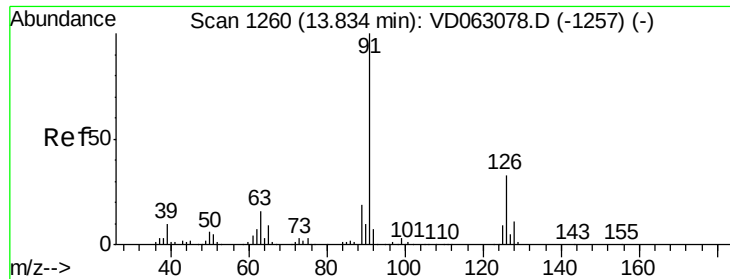
120 20.2 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

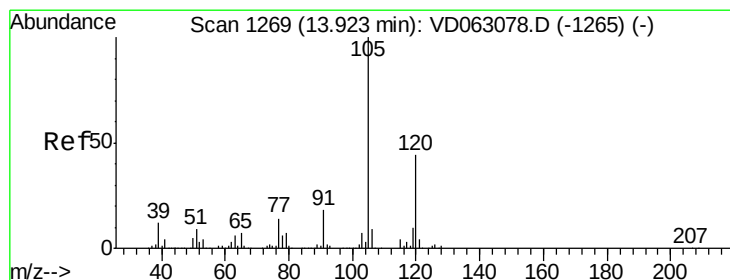
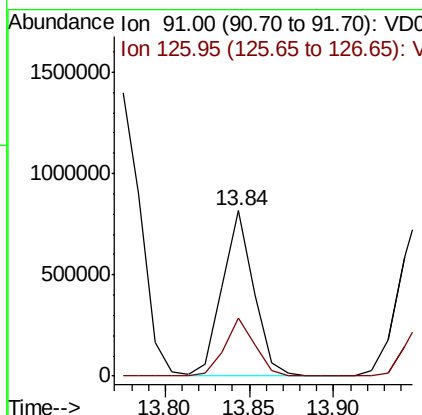
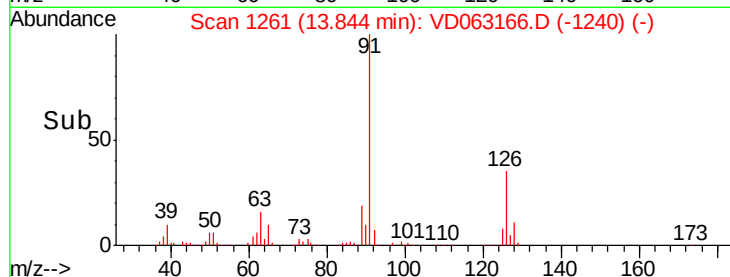
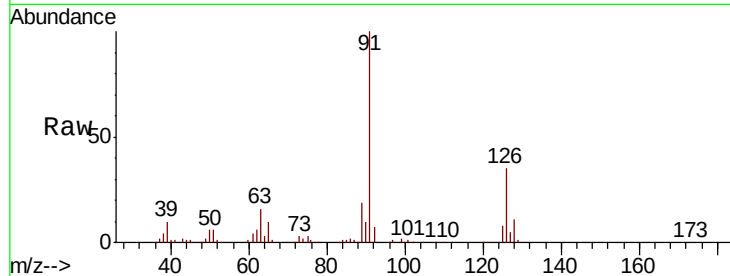




#79
 2-Chlorotoluene
 Concen: 48.203 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.01 min
 Lab File: VD063166.D
 Acq: 19 Jul 2019 20:59

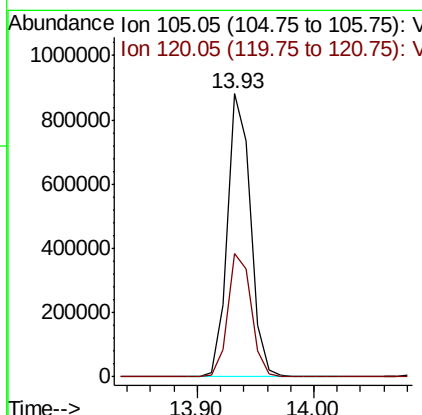
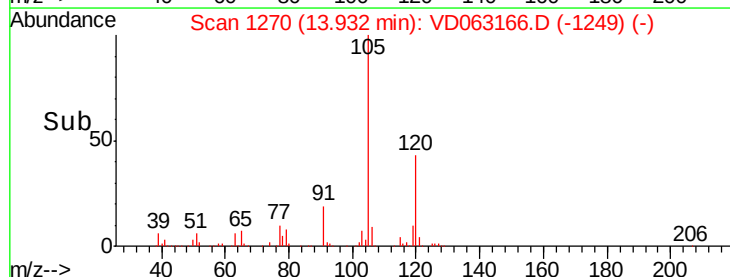
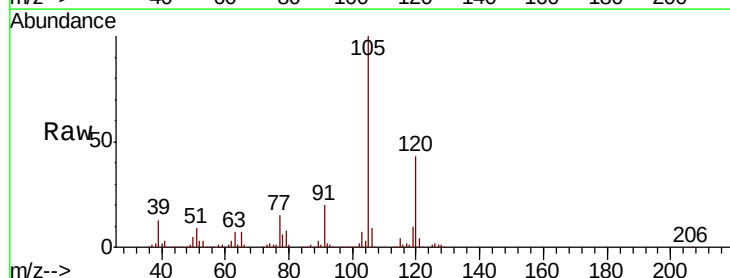
Instrument :
 MSVOA_D
 ClientSampleId :

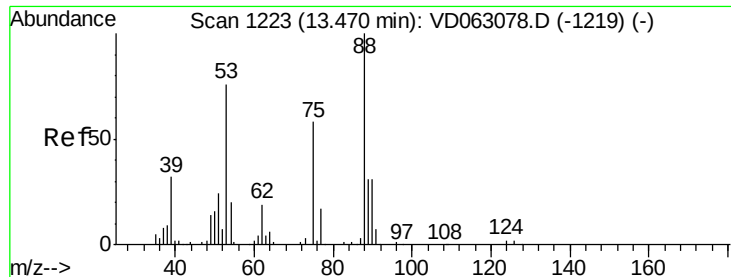
Tot Ion: 91 Resp: 1050877
 Ion Ratio Lower Upper
 91 100
 126 35.0 16.4 49.2



#80
 1,3,5-Trimethylbenzene
 Concen: 44.376 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VD063166.D
 Acq: 19 Jul 2019 20:59

Tgt Ion: 105 Resp: 1211814
 Ion Ratio Lower Upper
 105 100
 120 43.4 21.8 65.4





#81

trans-1,4-Dichloro-2-butene

Concen: 47.193 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

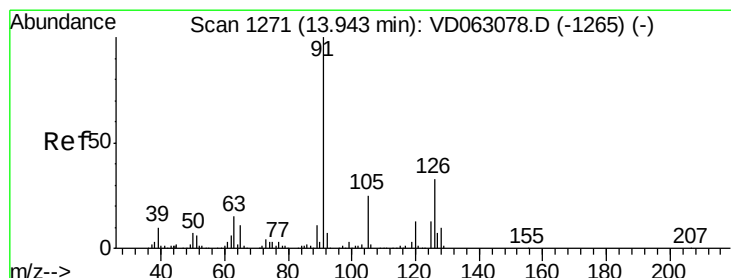
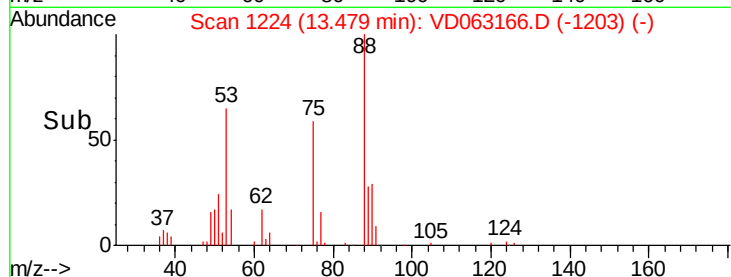
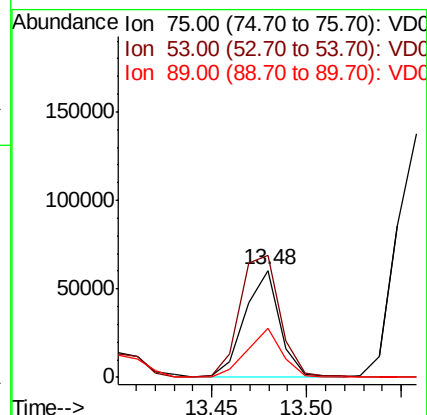
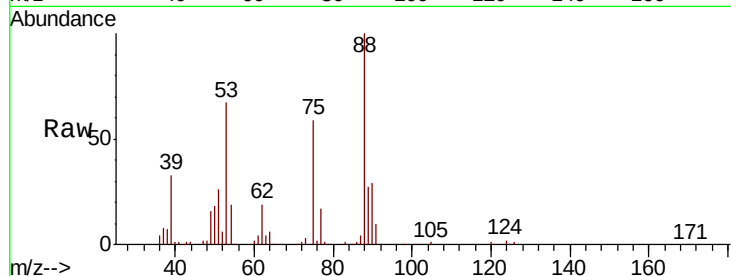
Tot Ion: 75 Resp: 77563

Ion Ratio Lower Upper

75 100

53 114.2 104.4 156.6

89 46.4 43.1 64.7



#82

4-Chlorotoluene

Concen: 46.970 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD063166.D

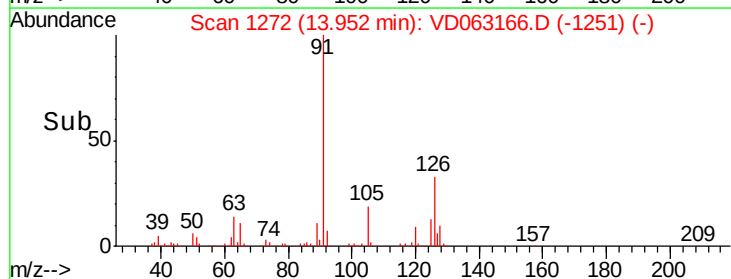
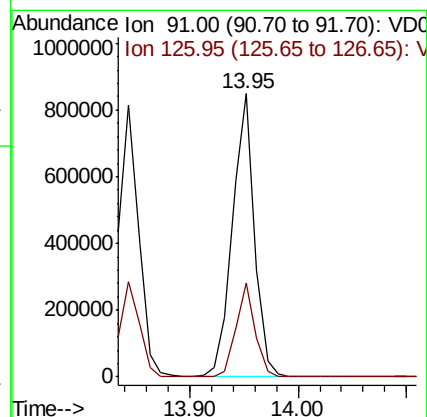
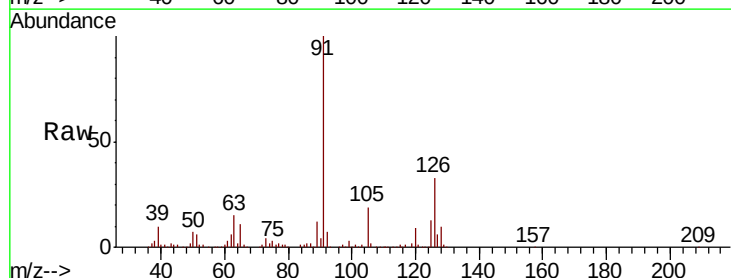
Acq: 19 Jul 2019 20:59

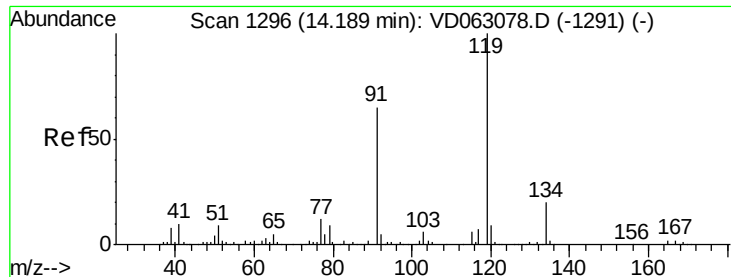
Tgt Ion: 91 Resp: 1195744

Ion Ratio Lower Upper

91 100

126 33.2 16.7 50.1

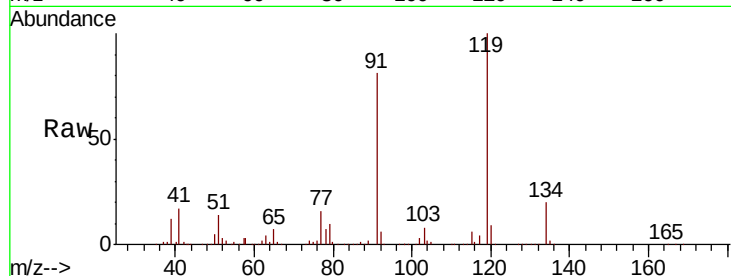




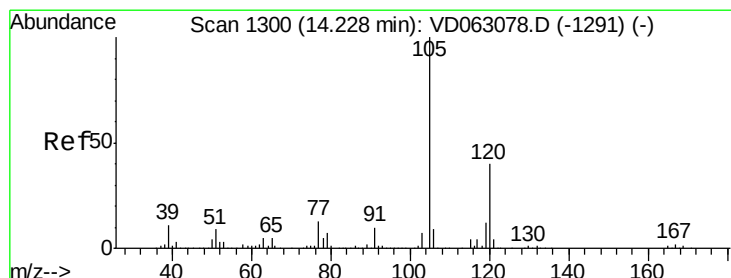
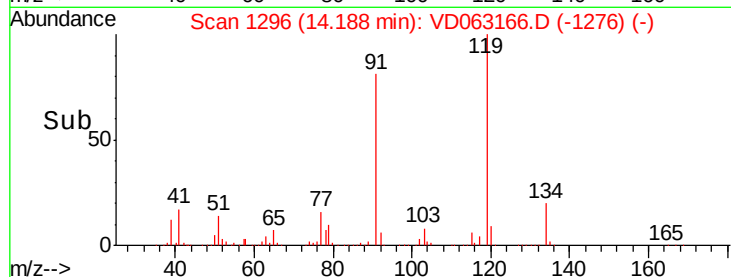
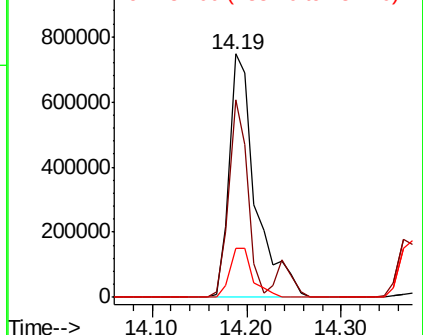
#83
 tert-Butylbenzene
 Concen: 47.038 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. -0.00 min
 Lab File: VD063166.D
 Acq: 19 Jul 2019 20:59

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:119 Resp: 1452405
 Ion Ratio Lower Upper
 119 100
 91 81.2 32.4 97.2
 134 20.2 10.2 30.6

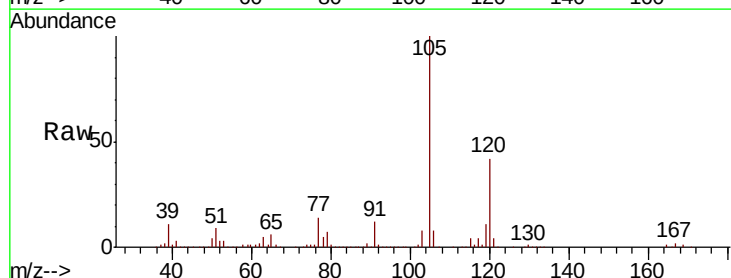


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

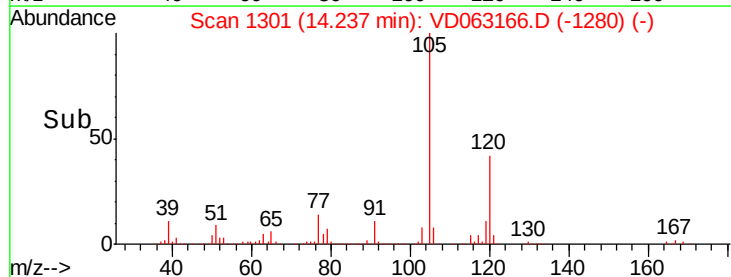
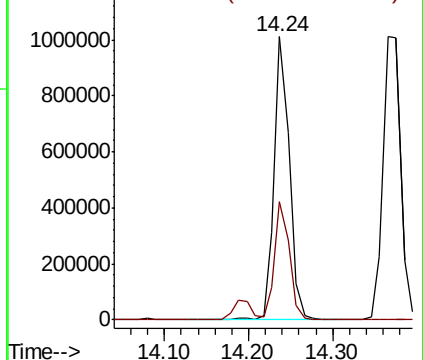


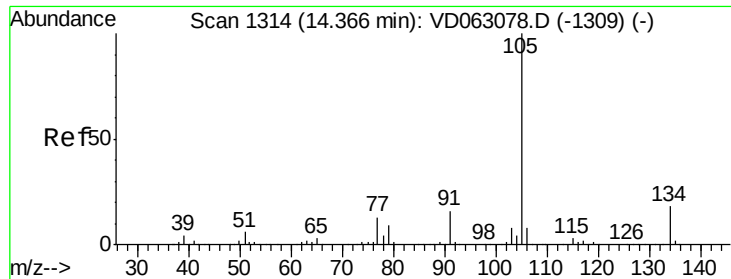
#84
 1,2,4-Trimethylbenzene
 Concen: 47.208 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. 0.01 min
 Lab File: VD063166.D
 Acq: 19 Jul 2019 20:59

Tgt Ion:105 Resp: 1285253
 Ion Ratio Lower Upper
 105 100
 120 41.8 20.2 60.6



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

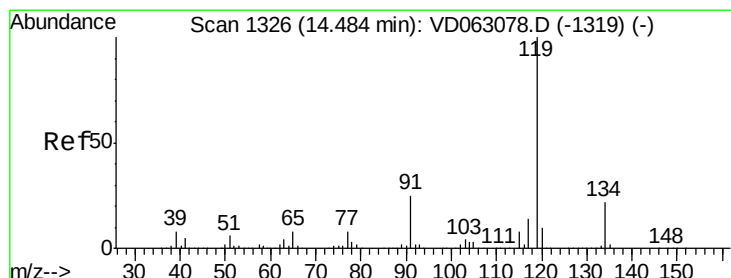
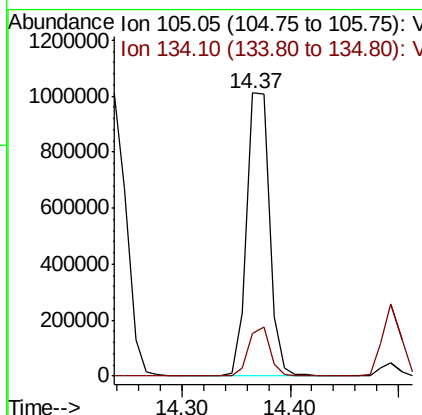
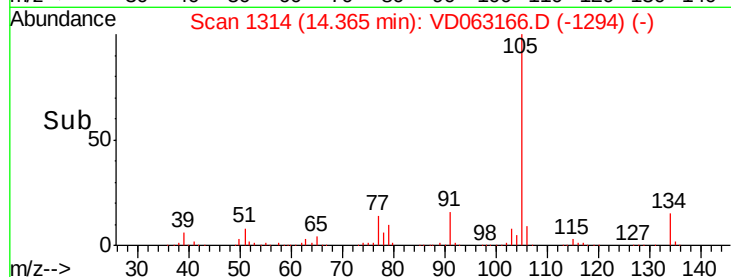
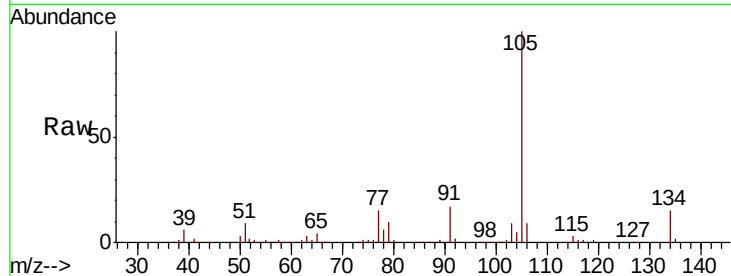




#85
 sec-Butylbenzene
 Concen: 45.210 ug/l
 RT: 14.37 min Scan# 1314
 Delta R.T. -0.00 min
 Lab File: VD063166.D
 Acq: 19 Jul 2019 20:59

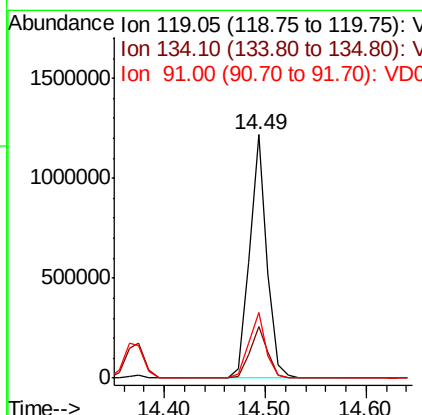
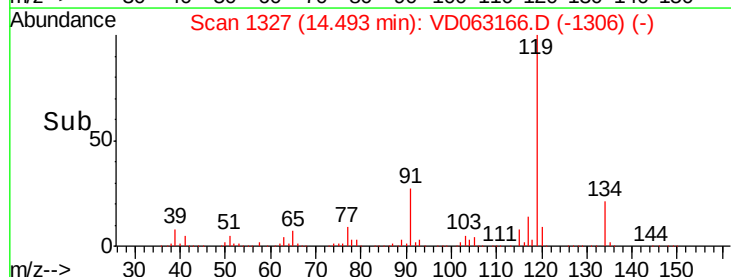
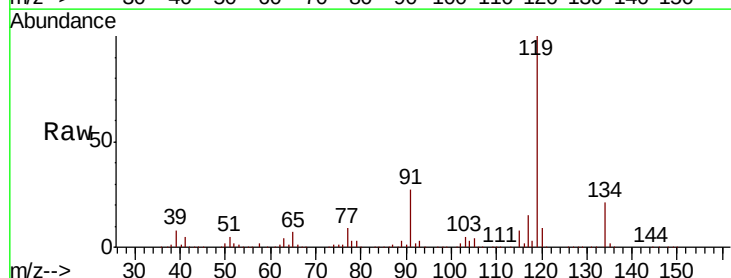
Instrument :
 MSVOA_D
 ClientSampled :

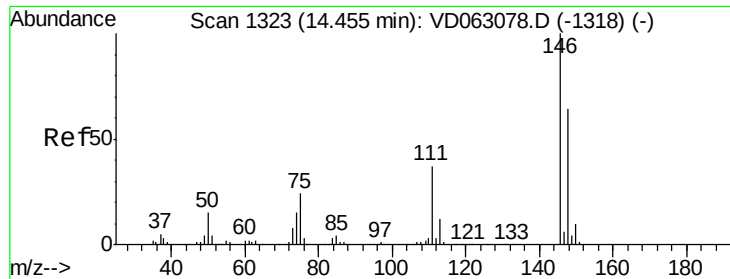
Tot Ion:105 Resp: 1483182
 Ion Ratio Lower Upper
 105 100
 134 14.9 8.9 26.8



#86
 p-Isopropyltoluene
 Concen: 47.568 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: VD063166.D
 Acq: 19 Jul 2019 20:59

Tgt Ion:119 Resp: 1455804
 Ion Ratio Lower Upper
 119 100
 134 21.3 10.8 32.4
 91 26.7 12.5 37.5

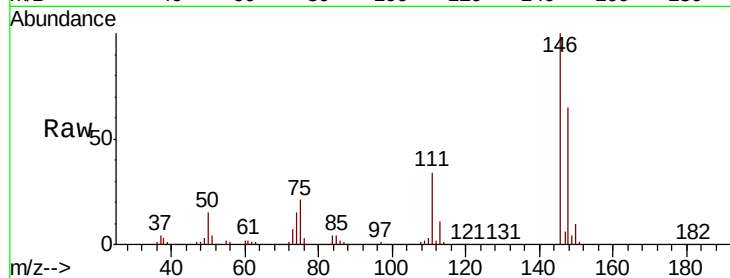




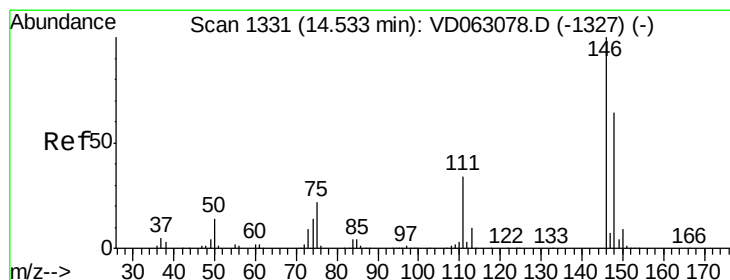
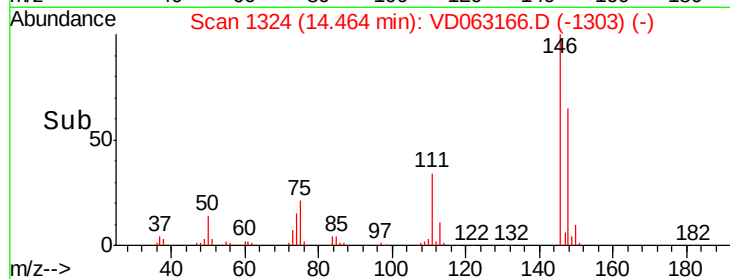
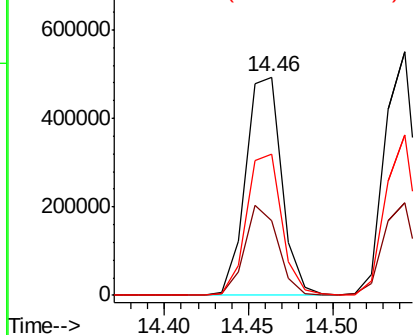
#87
 1,3-Dichlorobenzene
 Concen: 46.264 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD063166.D
 Acq: 19 Jul 2019 20:59

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 734124
 Ion Ratio Lower Upper
 146 100
 111 34.1 18.6 55.6
 148 64.6 32.0 96.0

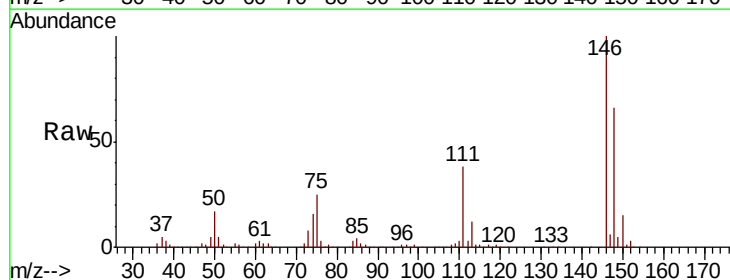


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

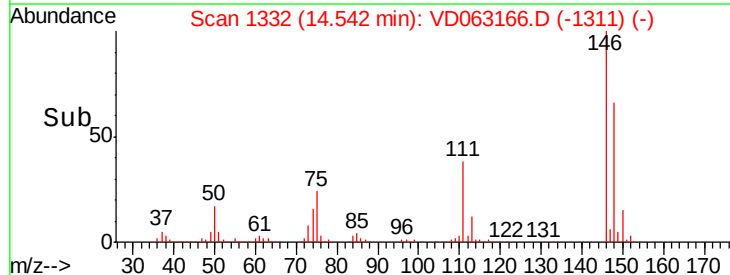
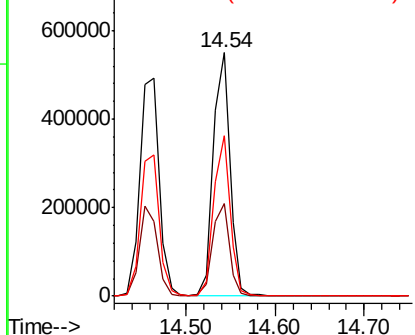


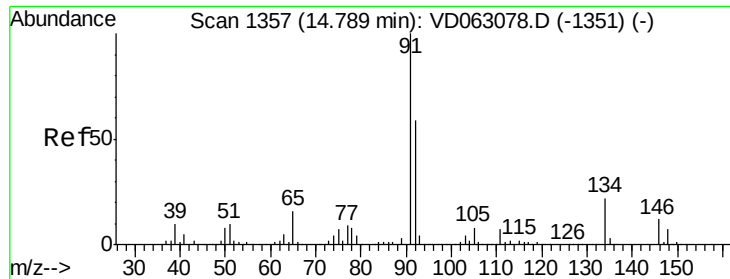
#88
 1,4-Dichlorobenzene
 Concen: 47.263 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD063166.D
 Acq: 19 Jul 2019 20:59

Tgt Ion:146 Resp: 718988
 Ion Ratio Lower Upper
 146 100
 111 38.0 17.0 51.0
 148 66.1 32.0 96.2



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





#89

n-Butylbenzene

Concen: 46.282 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleID :

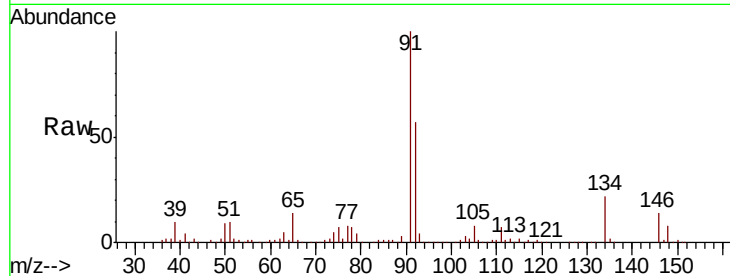
Tot Ion: 91 Resp: 1305547

Ion Ratio Lower Upper

91 100

92 57.4 29.4 88.3

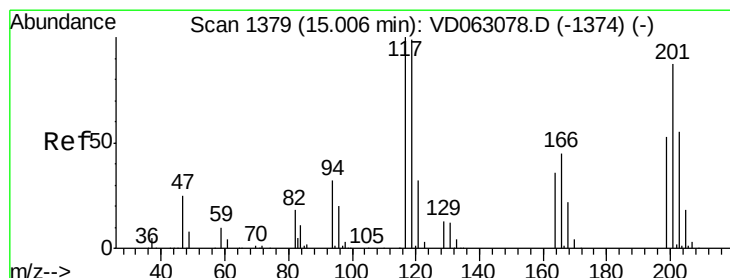
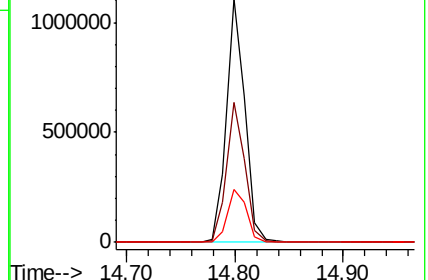
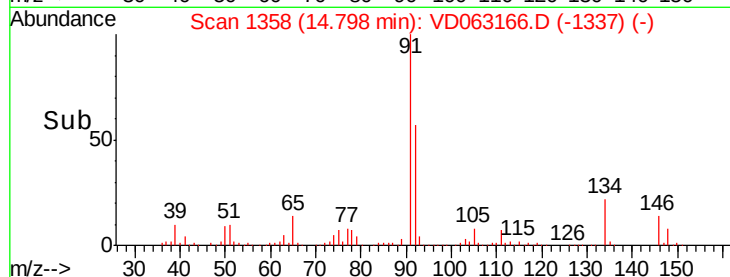
134 21.7 11.3 33.8



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: 46.797 ug/l

RT: 15.01 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD063166.D

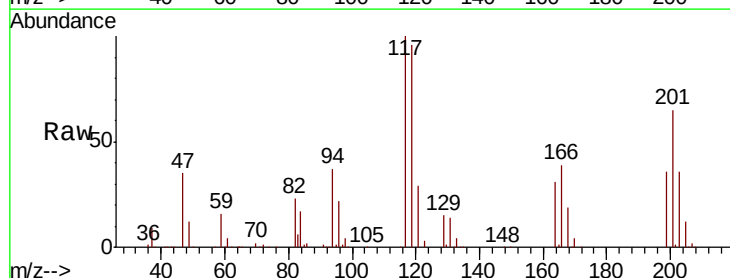
Acq: 19 Jul 2019 20:59

Tgt Ion: 117 Resp: 382871

Ion Ratio Lower Upper

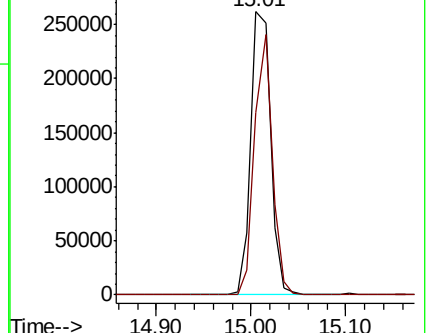
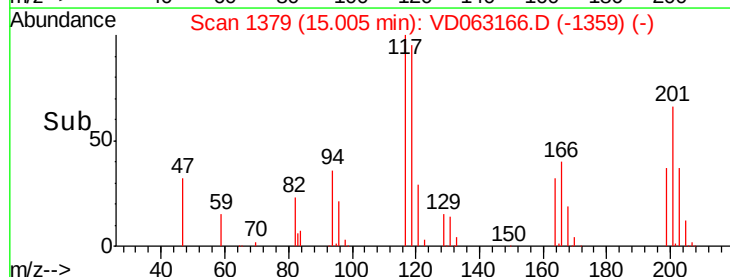
117 100

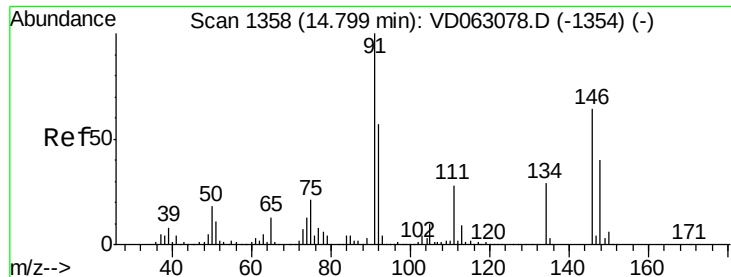
201 64.5 43.4 130.1



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 46.460 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD063166.D

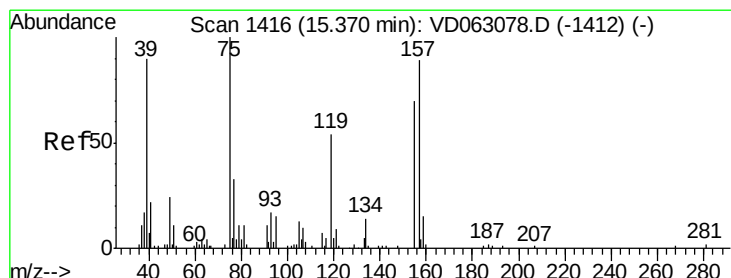
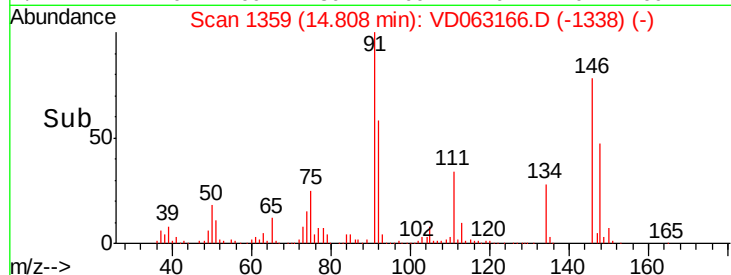
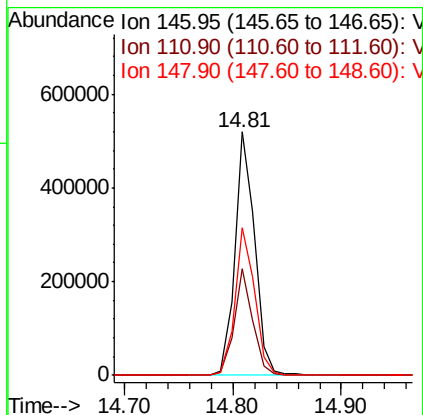
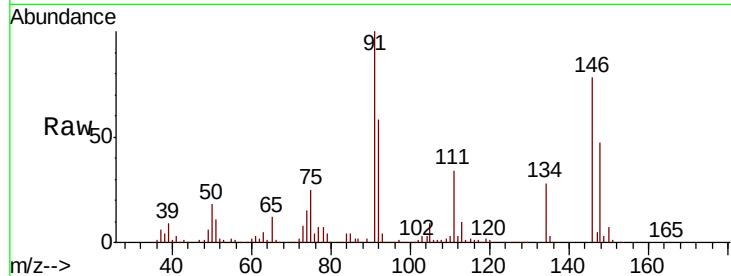
Acq: 19 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:	146	Resp:	656471
Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.9	65.5
148	60.6	31.5	94.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.412 ug/l

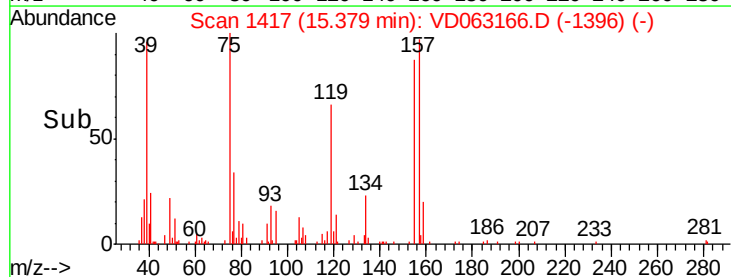
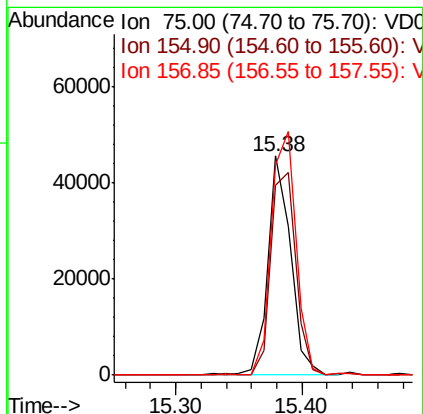
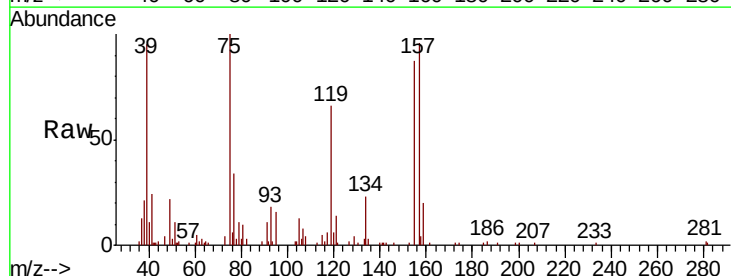
RT: 15.38 min Scan# 1417

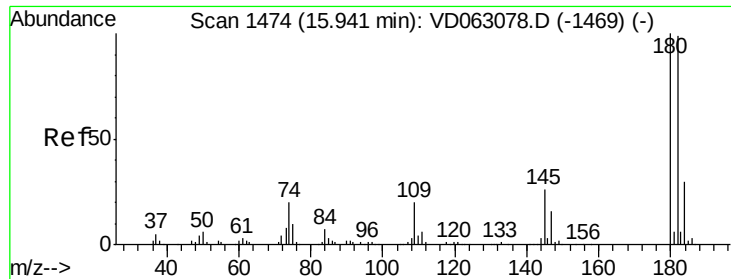
Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Tgt Ion:	75	Resp:	57271
Ion	Ratio	Lower	Upper
75	100		
155	86.7	34.8	104.3
157	96.3	44.7	134.1

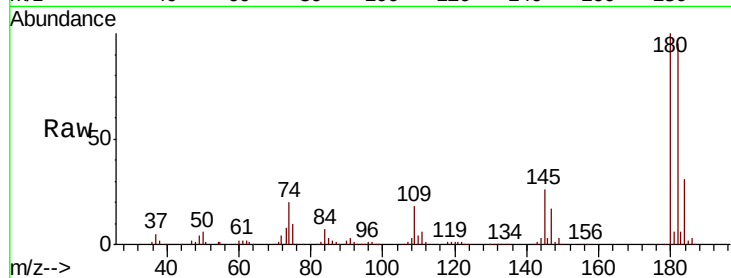




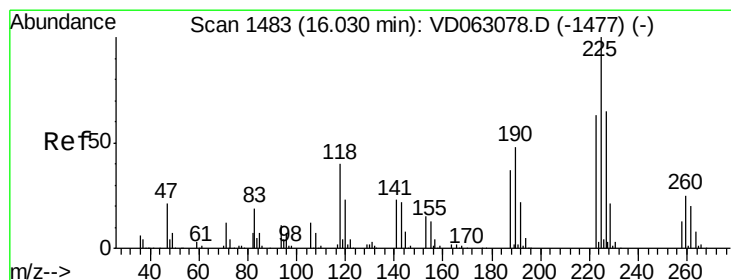
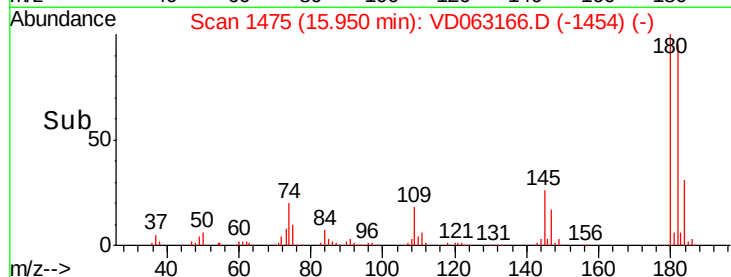
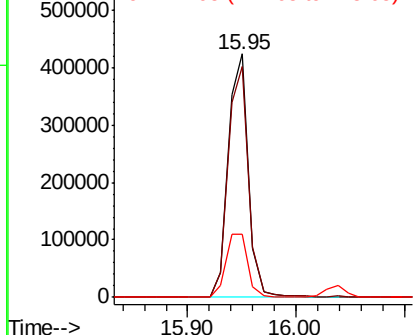
#93
 1,2,4-Trichlorobenzene
 Concen: 51.770 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD063166.D
 Acq: 19 Jul 2019 20:59

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 549576
 Ion Ratio Lower Upper
 180 100
 182 94.7 49.5 148.3
 145 25.8 12.8 38.4

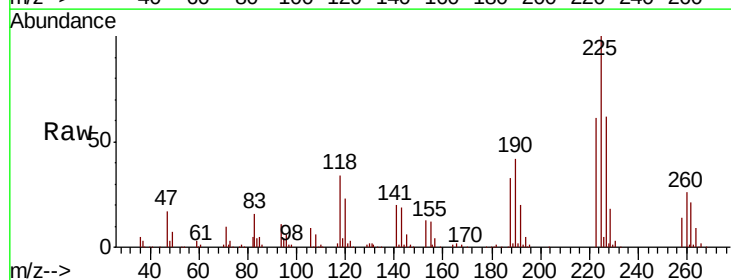


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

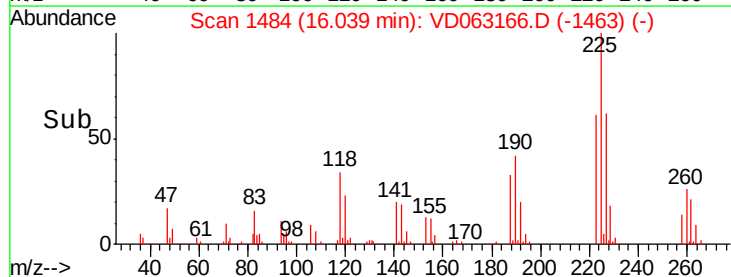
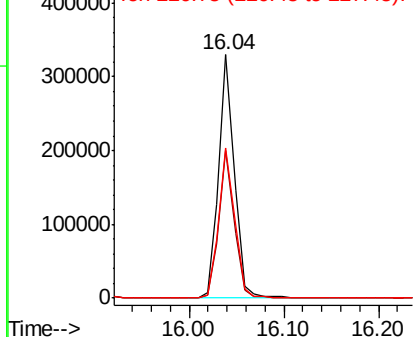


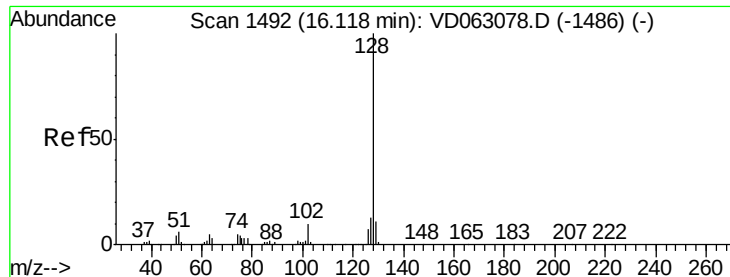
#94
 Hexachlorobutadiene
 Concen: 48.511 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD063166.D
 Acq: 19 Jul 2019 20:59

Tgt Ion:225 Resp: 379579
 Ion Ratio Lower Upper
 225 100
 223 60.9 31.4 94.2
 227 61.5 32.6 97.8



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





#95

Naphthalene

Concen: 54.380 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampled :

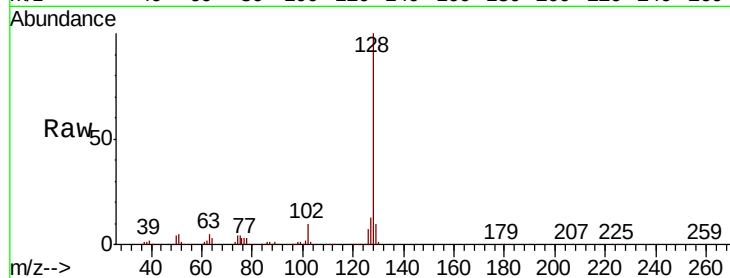
Tot Ion:128 Resp: 844426

Ion Ratio Lower Upper

128 100

127 12.8 10.7 16.1

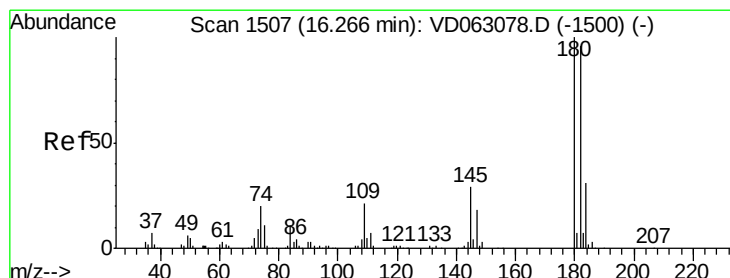
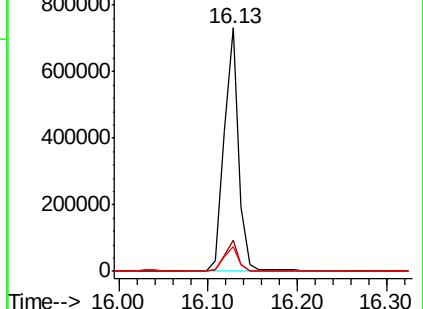
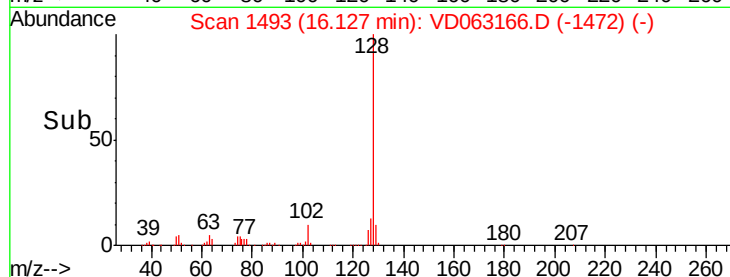
129 10.1 8.7 13.1



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: 50.414 ug/l

RT: 16.28 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VD063166.D

Acq: 19 Jul 2019 20:59

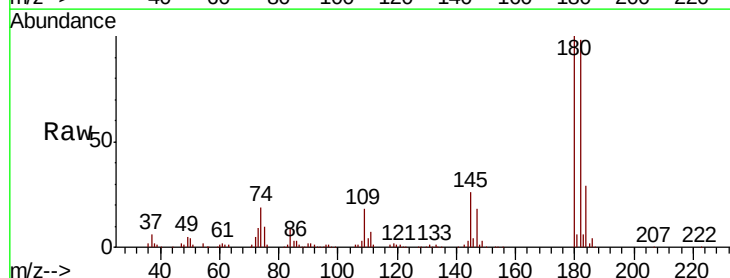
Tgt Ion:180 Resp: 430525

Ion Ratio Lower Upper

180 100

182 97.7 47.9 143.6

145 26.2 14.4 43.4



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

