

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071619\
 Data File : VD063097.D
 Acq On : 16 Jul 2019 10:59
 Operator : VA/AP
 Sample : VD0716SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

Quant Time: Jul 16 11:22:19 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	7.03	168	716852	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	931042	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	784079	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	479401	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	421900	47.25	ug/l	-0.01
Spiked Amount			Recovery	=	94.50%	
35) Dibromofluoromethane	6.91	113	451629	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
50) Toluene-d8	10.40	98	946625	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
62) 4-Bromofluorobenzene	13.55	95	432772	46.96	ug/l	0.00
Spiked Amount			Recovery	=	93.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	132844	14.314	ug/l	95
3) Chloromethane	1.75	50	112048	14.884	ug/l	90
4) Vinyl Chloride	1.83	62	113014	14.771	ug/l	98
5) Bromomethane	2.15	94	71018	22.548	ug/l	95
6) Chloroethane	2.27	64	60966	17.154	ug/l #	85
7) Trichlorofluoromethane	2.52	101	238638	15.408	ug/l	97
8) Diethyl Ether	2.86	74	36303	16.663	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.14	101	146267	16.378	ug/l	92
10) Methyl Iodide	3.29	142	158998	14.502	ug/l	90
11) Tert butyl alcohol	4.06	59	42136	81.762	ug/l	97
12) 1,1-Dichloroethene	3.11	96	92869	14.644	ug/l #	81
13) Acrolein	3.02	56	5195	33.400	ug/l #	54
14) Allyl chloride	3.61	41	165882	16.643	ug/l	98
15) Acrylonitrile	4.19	53	95372	83.720	ug/l	95
16) Acetone	3.21	43	196856	91.272	ug/l	95
17) Carbon Disulfide	3.36	76	251084	13.832	ug/l	96
18) Methyl Acetate	3.64	43	48271	10.264	ug/l	99
19) Methyl tert-butyl Ether	4.23	73	264709	16.535	ug/l	94
20) Methylene Chloride	3.80	84	120898	14.837	ug/l	96
21) trans-1,2-Dichloroethene	4.20	96	113795	16.164	ug/l	93
22) Diisopropyl ether	5.11	45	347486	16.035	ug/l #	96
23) Vinyl Acetate	5.04	43	1068621	84.525	ug/l	98
24) 1,1-Dichloroethane	4.96	63	215791	16.166	ug/l	98
25) 2-Butanone	6.06	43	162025	78.669	ug/l	94
26) 2,2-Dichloropropane	6.01	77	230506	15.603	ug/l	96
27) cis-1,2-Dichloroethene	6.02	96	133223	16.635	ug/l	89
28) Bromochloromethane	6.42	49	88687	18.313	ug/l	84
29) Tetrahydrofuran	6.44	42	71664	76.760	ug/l	95
30) Chloroform	6.65	83	275525	16.760	ug/l	99
31) Cyclohexane	6.93	56	119793	14.092	ug/l	98
32) 1,1,1-Trichloroethane	6.85	97	260551	16.073	ug/l	97
36) 1,1-Dichloropropene	7.13	75	174688	16.683	ug/l #	88
37) Ethyl Acetate	6.17	43	70134	15.650	ug/l	95
38) Carbon Tetrachloride	7.09	117	261790	16.453	ug/l	95

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 Misc : 5.00g/5ml/MSVOA D/SOIL
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Quant Time: Jul 16 11:22:19 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)
39) Methylcyclohexane	8.85	83	142912	15.786	ug/l	97
40) Benzene	7.44	78	351345	16.020	ug/l	99
41) Methacrylonitrile	6.44	41	104612	17.218	ug/l #	83
42) 1,2-Dichloroethane	7.56	62	200890	17.193	ug/l	96
43) Isopropyl Acetate	9.23	43	107218	16.692	ug/l #	93
44) Trichloroethene	8.53	130	137252	16.194	ug/l	97
45) 1,2-Dichloropropane	8.92	63	94155	17.220	ug/l	96
46) Dibromomethane	9.05	93	81489	17.343	ug/l #	91
47) Bromodichloromethane	9.36	83	199566	16.276	ug/l	92
48) Methyl methacrylate	9.11	41	73645	17.459	ug/l	93
49) 1,4-Dioxane	9.07	88	12907	354.790	ug/l #	88
51) 4-Methyl-2-Pentanone	10.29	43	373008	87.552	ug/l	94
52) Toluene	10.50	92	228667	15.614	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	171689	16.344	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	182554	16.807	ug/l	94
55) 1,1,2-Trichloroethane	11.18	97	92573	18.291	ug/l	95
56) Ethyl methacrylate	11.03	69	99915	17.669	ug/l	98
57) 1,3-Dichloropropane	11.39	76	125431	16.287	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	250821	79.662	ug/l	94
59) 2-Hexanone	11.52	43	282427	85.958	ug/l	95
60) Dibromochloromethane	11.68	129	164676	16.974	ug/l	92
61) 1,2-Dibromoethane	11.80	107	103412	17.070	ug/l	81
64) Tetrachloroethene	11.24	164	118936	15.633	ug/l	98
65) Chlorobenzene	12.39	112	311605	16.906	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.50	131	140570	16.450	ug/l	98
67) Ethyl Benzene	12.51	91	550346	17.185	ug/l	98
68) m/p-Xylenes	12.65	106	374418	32.642	ug/l	92
69) o-Xylene	13.04	106	165345	15.202	ug/l	87
70) Styrene	13.07	104	281688	14.796	ug/l	97
71) Bromoform	13.22	173	106111	17.737	ug/l	99
73) Isopropylbenzene	13.39	105	536736	14.497	ug/l	95
74) N-amyl acetate	13.25	43	155339	15.045	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	13.70	83	102835	15.266	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	113379	15.374	ug/l	100
77) Bromobenzene	13.67	156	159223	15.166	ug/l	99
78) n-propylbenzene	13.76	91	699805	16.425	ug/l	99
79) 2-Chlorotoluene	13.83	91	379956	14.750	ug/l	94
80) 1,3,5-Trimethylbenzene	13.92	105	505534	15.667	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	26625	13.710	ug/l	92
82) 4-Chlorotoluene	13.94	91	484695	16.113	ug/l	98
83) tert-Butylbenzene	14.18	119	541585	14.844	ug/l	90
84) 1,2,4-Trimethylbenzene	14.23	105	503819	15.662	ug/l	100
85) sec-Butylbenzene	14.36	105	603364	15.565	ug/l	91
86) p-Isopropyltoluene	14.48	119	556709	15.395	ug/l	98
87) 1,3-Dichlorobenzene	14.44	146	279942	14.930	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	302446	16.826	ug/l	98
89) n-Butylbenzene	14.79	91	512266	15.369	ug/l	98
90) Hexachloroethane	15.01	117	138835	14.361	ug/l	91
91) 1,2-Dichlorobenzene	14.80	146	256552	15.366	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	18175	14.077	ug/l	64

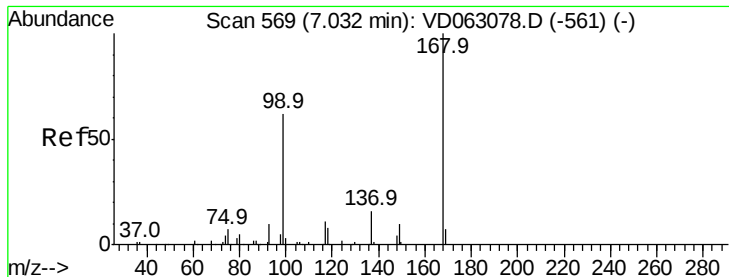
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071619\
Data File : VD063097.D
Acq On : 16 Jul 2019 10:59
Operator : VA/AP
Sample : VD0716SBS01
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	195450	15.582	ug/l	96
94) Hexachlorobutadiene	16.03	225	135578	14.664	ug/l	98
95) Naphthalene	16.12	128	271014	14.771	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	150142	14.880	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.00 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

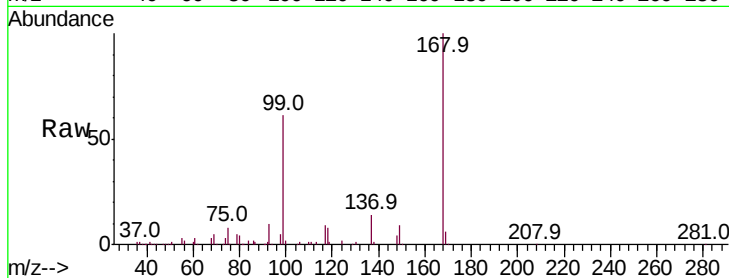
VD0716SBS01

Tot Ion:168 Resp: 716852

Ion Ratio Lower Upper

168 100

99 61.3 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

250000

200000

150000

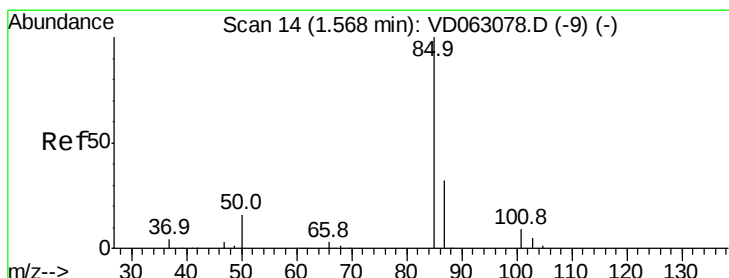
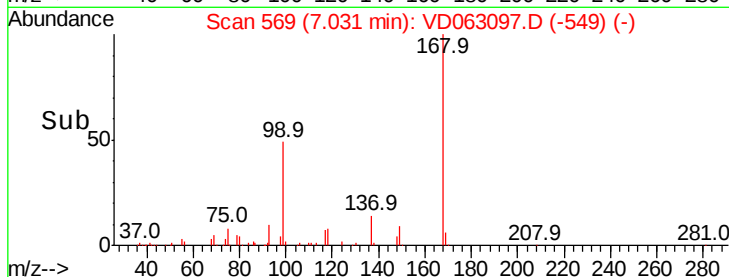
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 14.314 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD063097.D

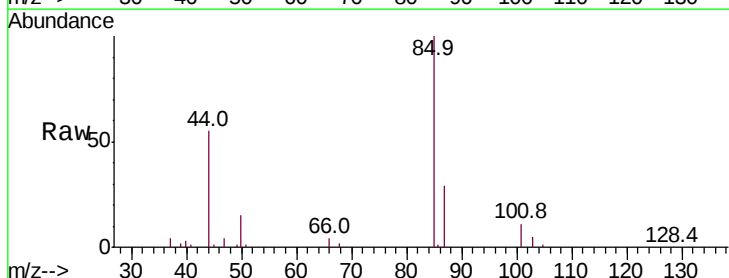
Acq: 16 Jul 2019 10:59

Tgt Ion: 85 Resp: 132844

Ion Ratio Lower Upper

85 100

87 28.9 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

80000

60000

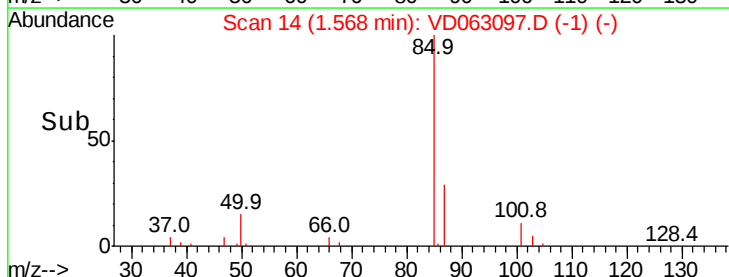
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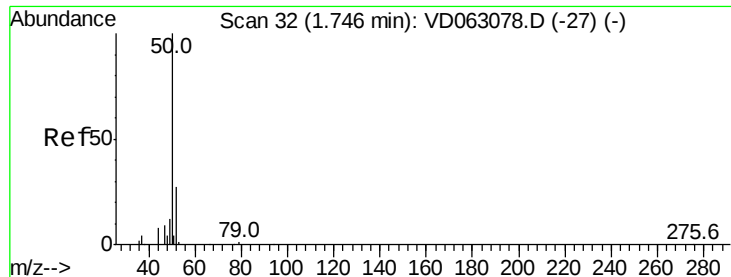
20000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 14.884 ug/l

RT: 1.75 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

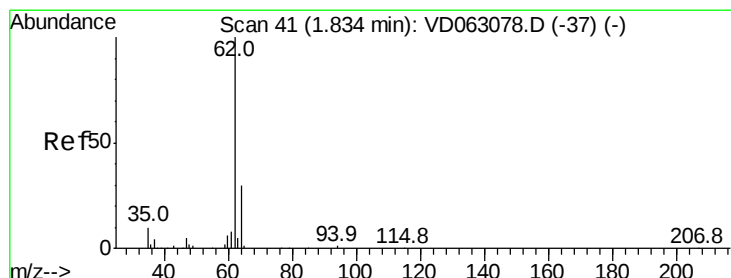
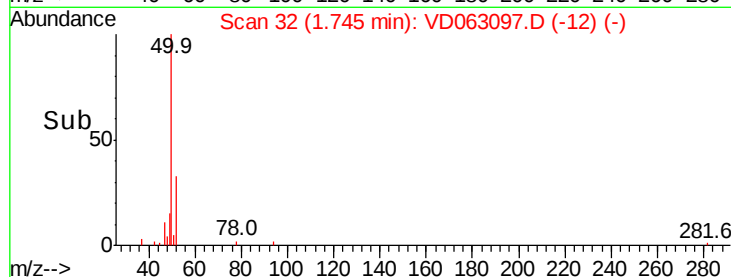
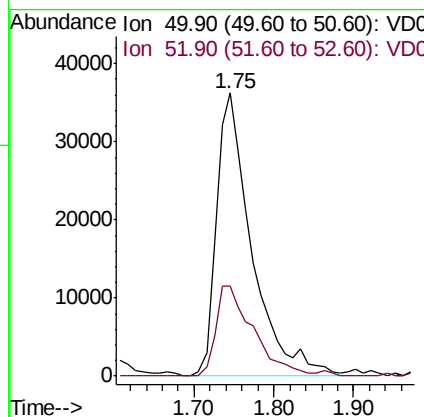
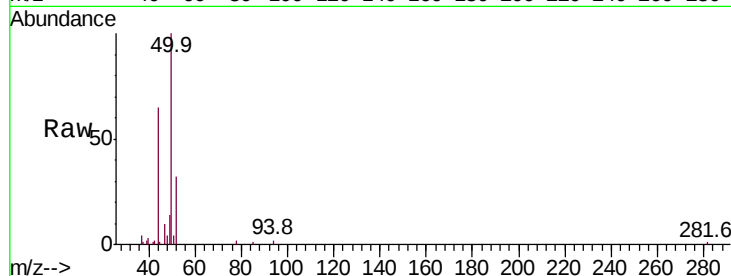
VD0716SBS01

Tot Ion: 50 Resp: 112048

Ion Ratio Lower Upper

50 100

52 31.9 21.4 32.2



#4

Vinyl Chloride

Concen: 14.771 ug/l

RT: 1.83 min Scan# 41

Delta R.T. -0.00 min

Lab File: VD063097.D

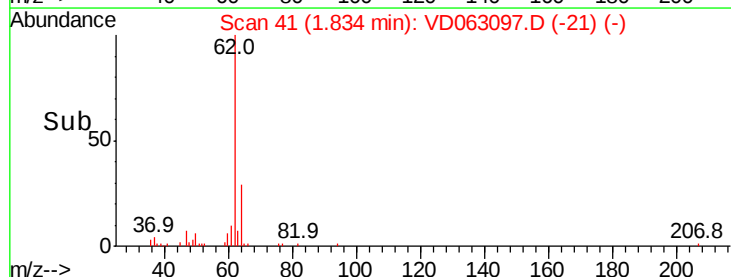
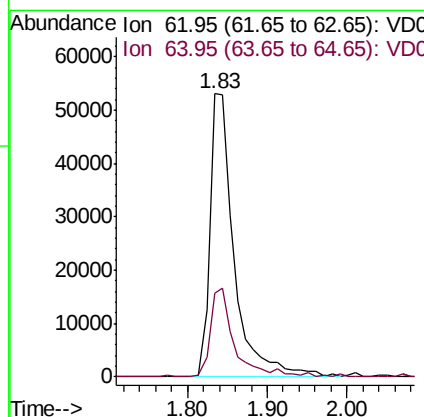
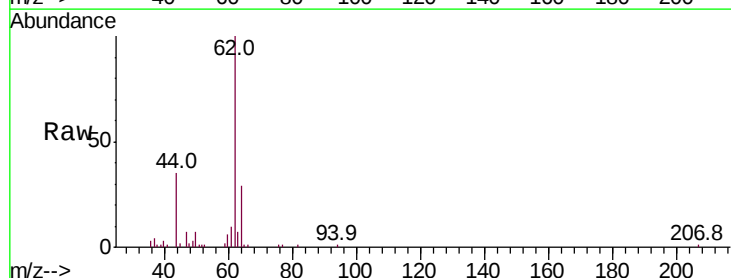
Acq: 16 Jul 2019 10:59

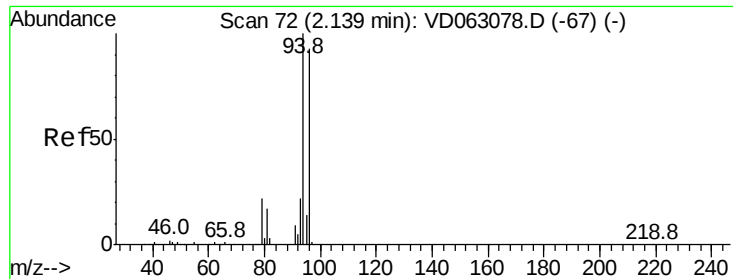
Tgt Ion: 62 Resp: 113014

Ion Ratio Lower Upper

62 100

64 29.4 24.4 36.6





#5

Bromomethane

Concen: 22.548 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

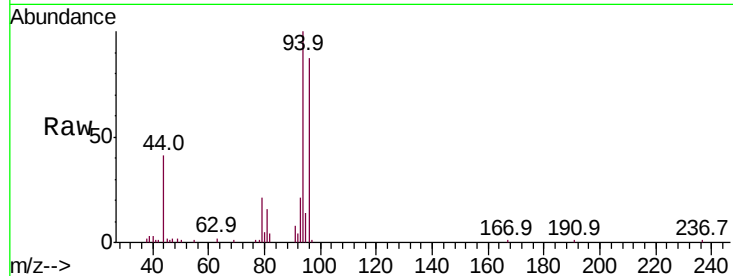
Tot Ion: 94 Resp: 71018

Ion Ratio Lower Upper

94 100

96 87.3 74.2 111.2

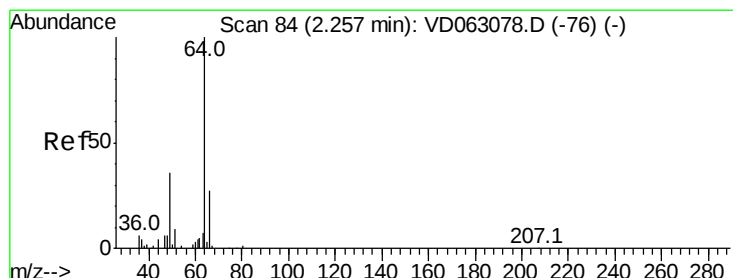
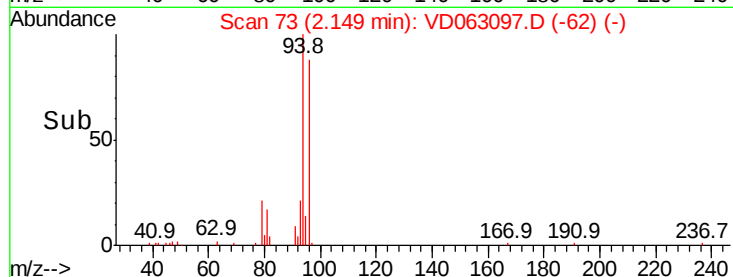
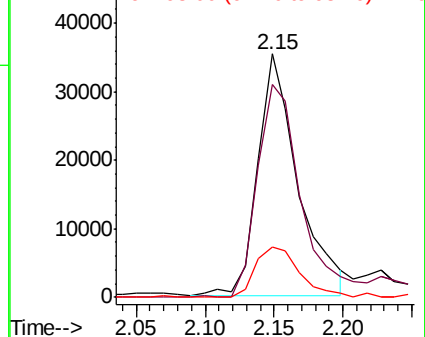
93 20.6 17.8 26.6



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: 17.154 ug/l

RT: 2.27 min Scan# 85

Delta R.T. 0.01 min

Lab File: VD063097.D

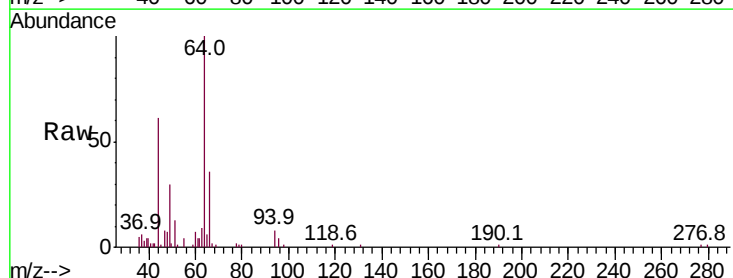
Acq: 16 Jul 2019 10:59

Tgt Ion: 64 Resp: 60966

Ion Ratio Lower Upper

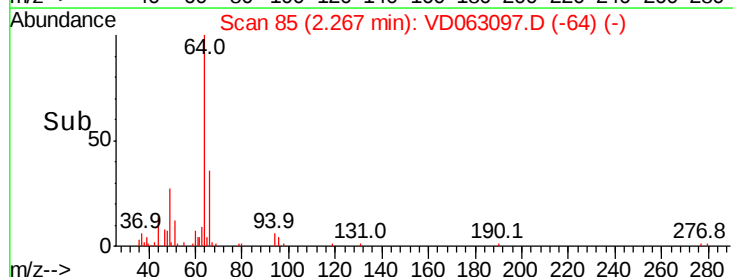
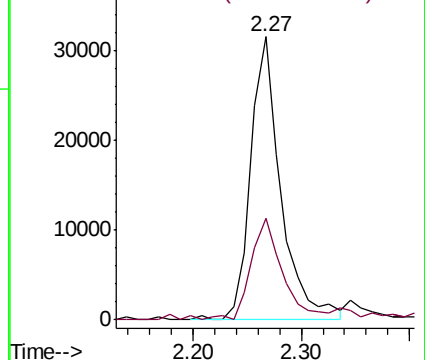
64 100

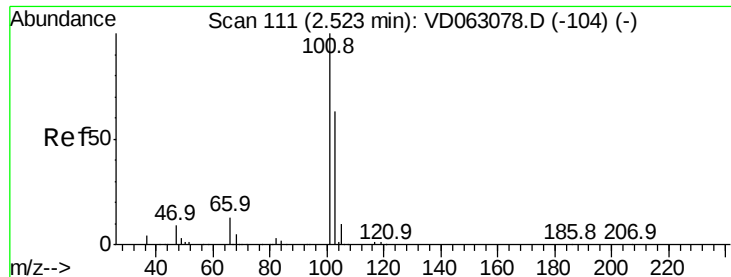
66 35.8 22.5 33.7#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



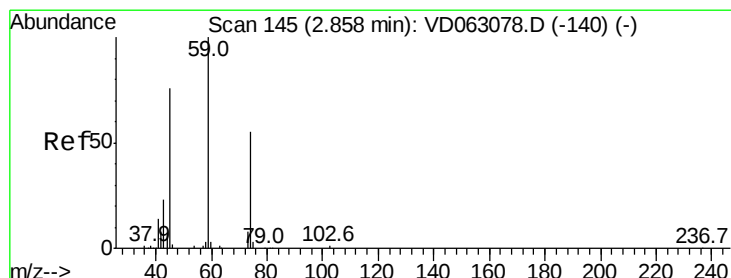
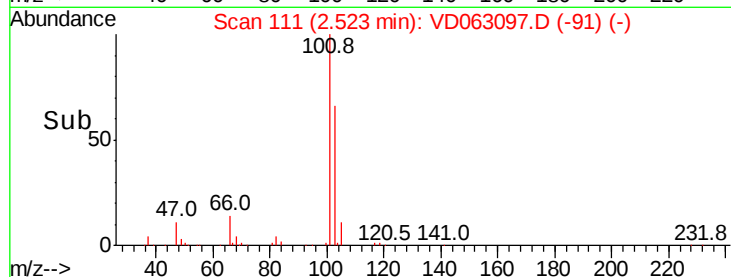
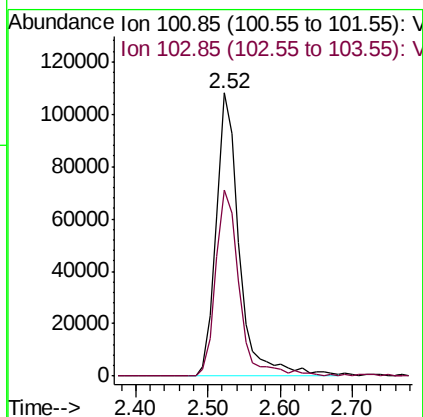
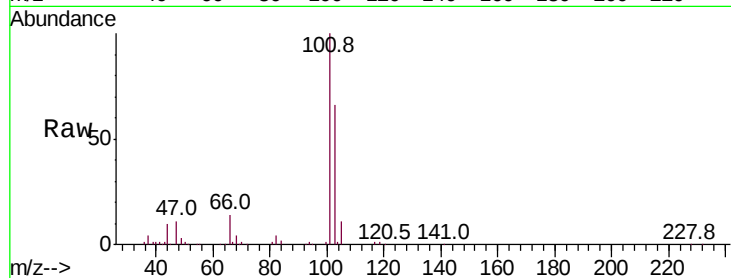


#7

Trichlorofluoromethane
 Concen: 15.408 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.00 min
 Lab File: VD063097.D
 Acq: 16 Jul 2019 10:59

Instrument :
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 VD0716SBS01

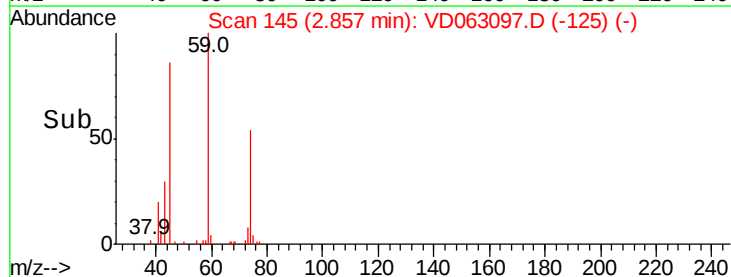
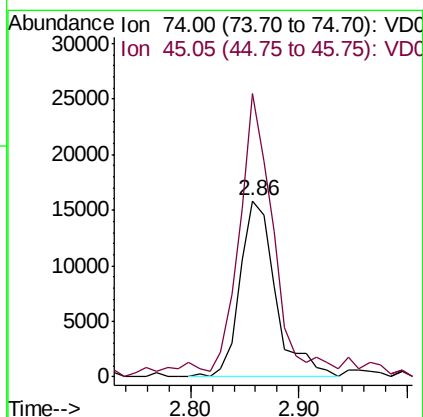
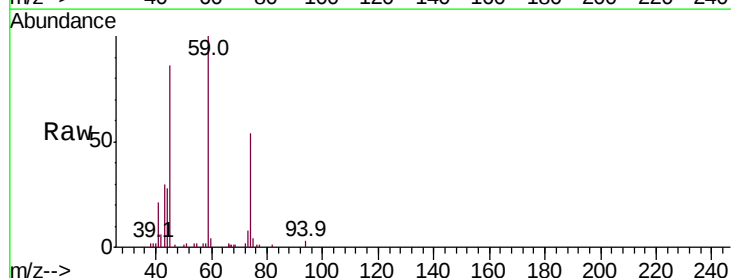
Tot Ion:101 Resp: 238638
 Ion Ratio Lower Upper
 101 100
 103 65.9 50.6 76.0

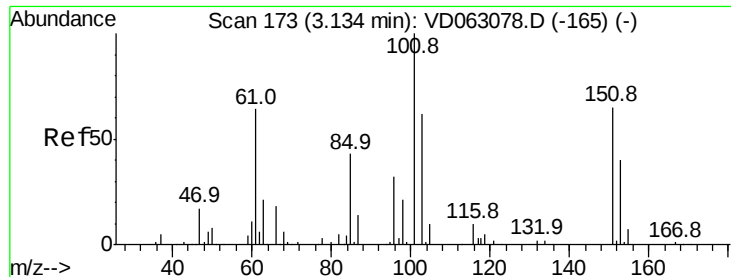


#8

Diethyl Ether
 Concen: 16.663 ug/l
 RT: 2.86 min Scan# 145
 Delta R.T. -0.00 min
 Lab File: VD063097.D
 Acq: 16 Jul 2019 10:59

Tgt Ion: 74 Resp: 36303
 Ion Ratio Lower Upper
 74 100
 45 160.6 69.5 208.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.378 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.01 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

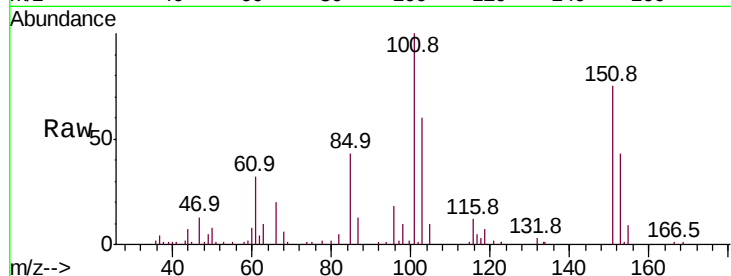
Tot Ion:101 Resp: 146267

Ion Ratio Lower Upper

101 100

85 43.5 34.6 51.8

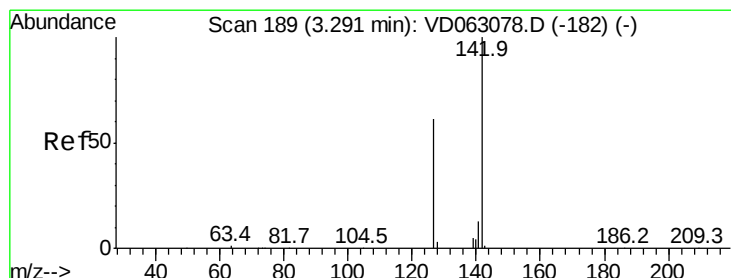
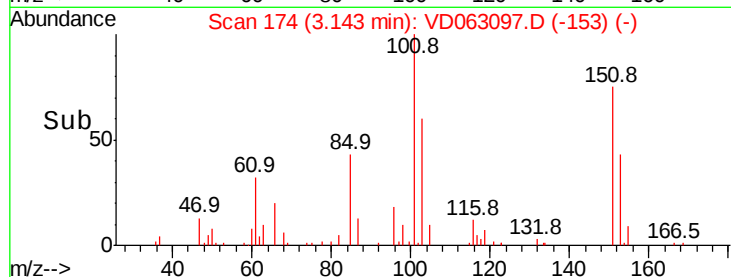
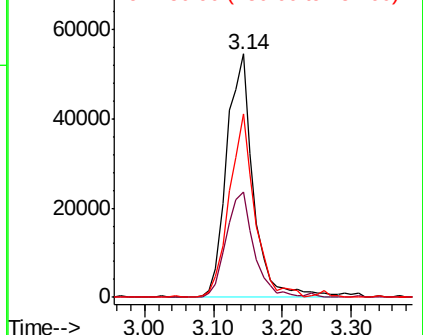
151 75.2 52.4 78.6



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: 14.502 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.00 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

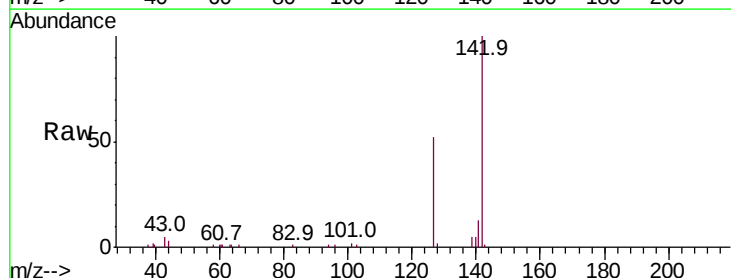
Tgt Ion:142 Resp: 158998

Ion Ratio Lower Upper

142 100

127 51.6 48.6 73.0

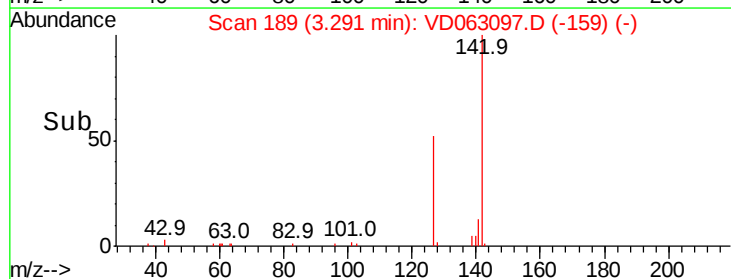
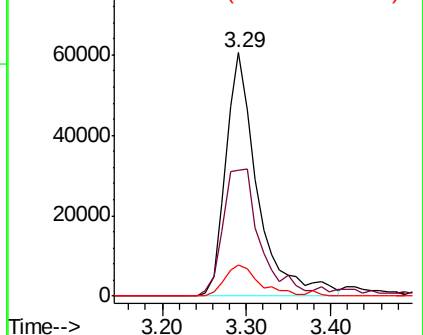
141 12.8 10.6 16.0

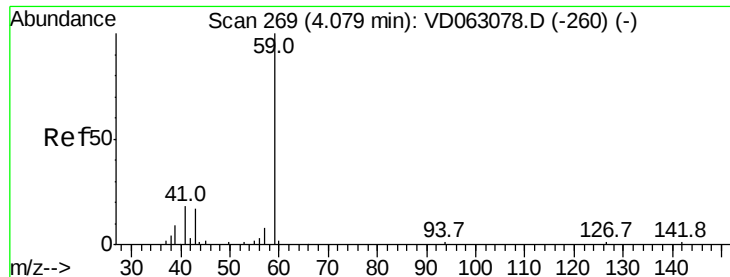


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



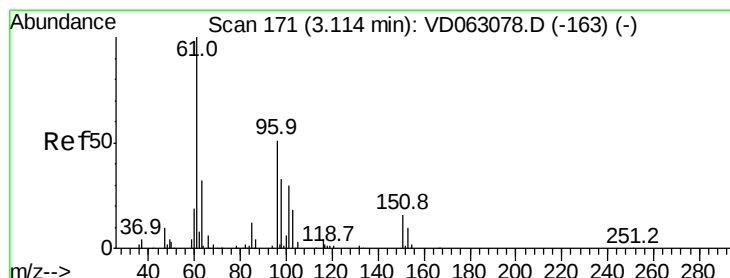
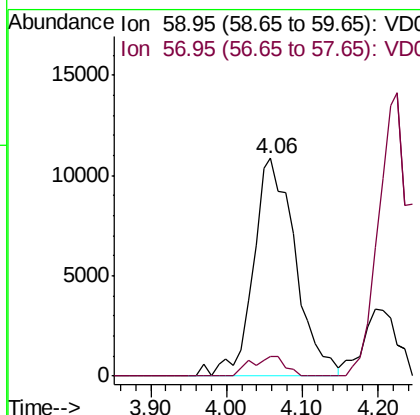
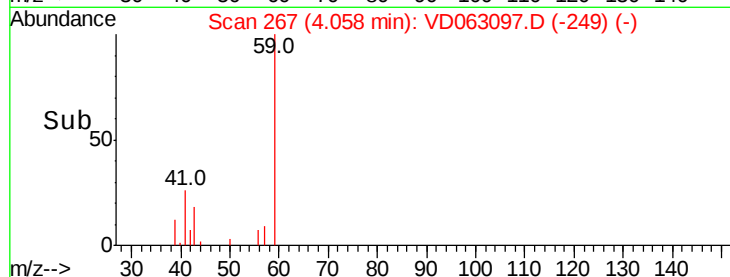
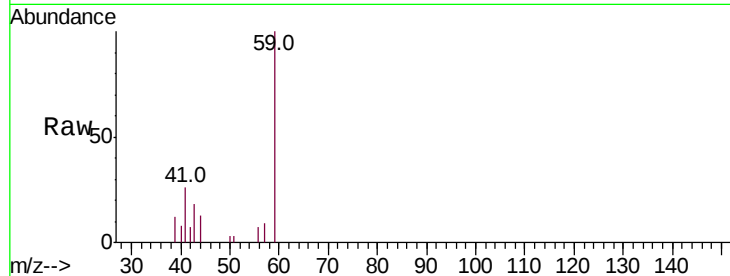


#11

Tert butyl alcohol
 Concen: 81.762 ug/l
 RT: 4.06 min Scan# 267
 Delta R.T. -0.02 min
 Lab File: VD063097.D
 Acq: 16 Jul 2019 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

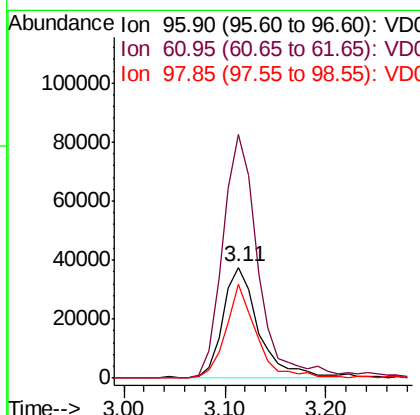
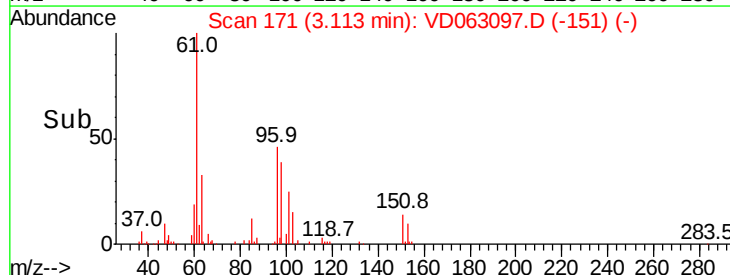
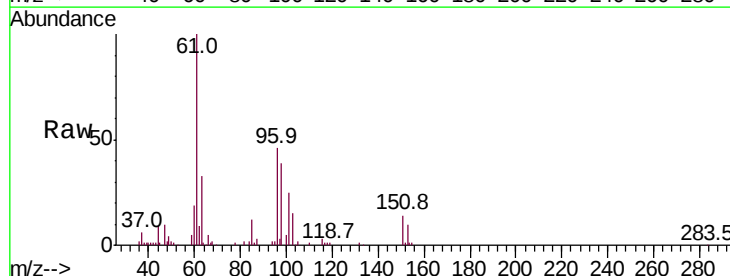
Tot Ion: 59 Resp: 42136
 Ion Ratio Lower Upper
 59 100
 57 9.0 6.4 9.6

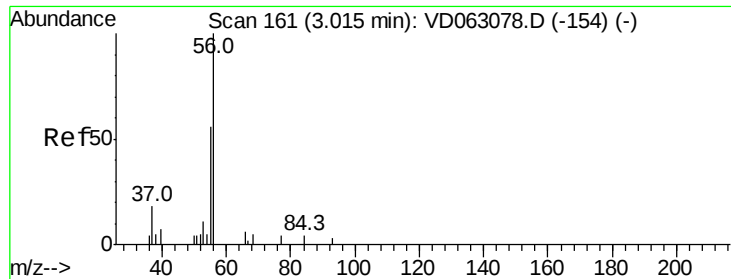


#12

1,1-Dichloroethene
 Concen: 14.644 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. -0.00 min
 Lab File: VD063097.D
 Acq: 16 Jul 2019 10:59

Tgt Ion: 96 Resp: 92869
 Ion Ratio Lower Upper
 96 100
 61 219.8 155.5 233.3
 98 85.1 51.5 77.3#





#13

Acrolein

Concen: 33.400 ug/l

RT: 3.02 min Scan# 162

Delta R.T. 0.01 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

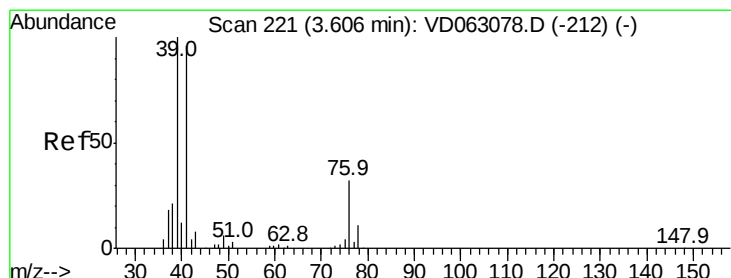
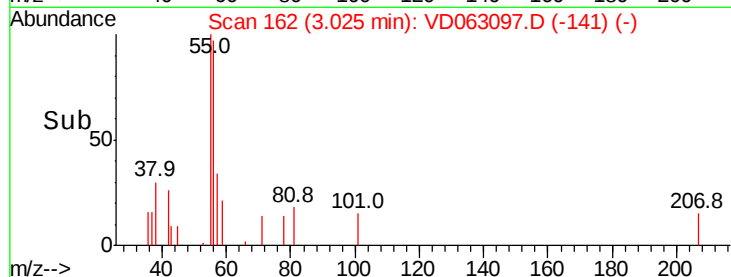
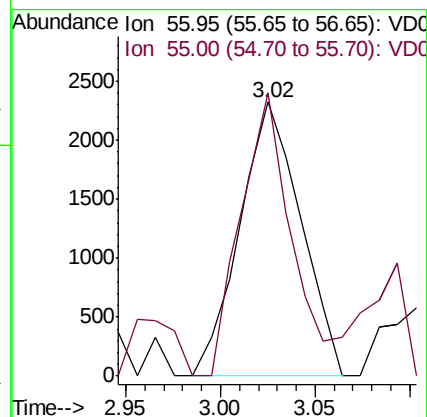
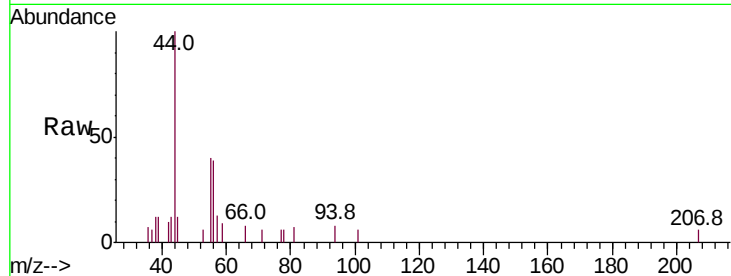
VD0716SBS01

Tot Ion: 56 Resp: 5195

Ion Ratio Lower Upper

56 100

55 103.2 53.0 79.4#



#14

Allyl chloride

Concen: 16.643 ug/l

RT: 3.61 min Scan# 221

Delta R.T. -0.00 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

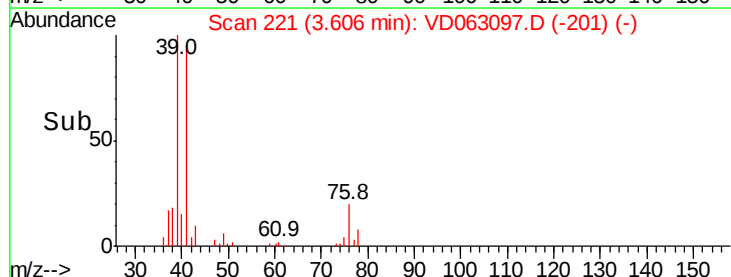
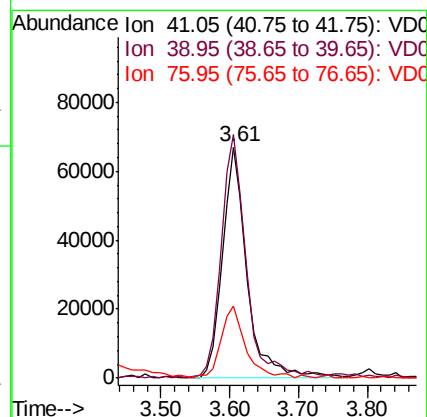
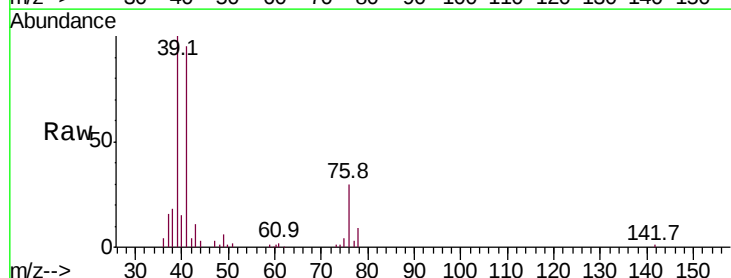
Tgt Ion: 41 Resp: 165882

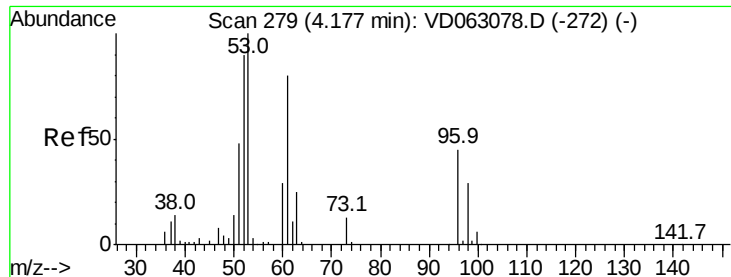
Ion Ratio Lower Upper

41 100

39 105.5 83.5 125.3

76 31.2 27.8 41.8





#15

Acrylonitrile

Concen: 83.720 ug/l

RT: 4.19 min Scan# 280

Delta R.T. 0.01 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

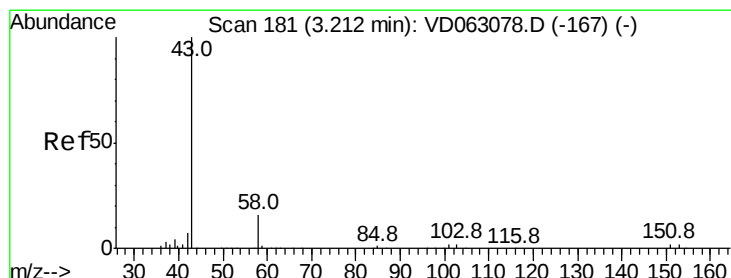
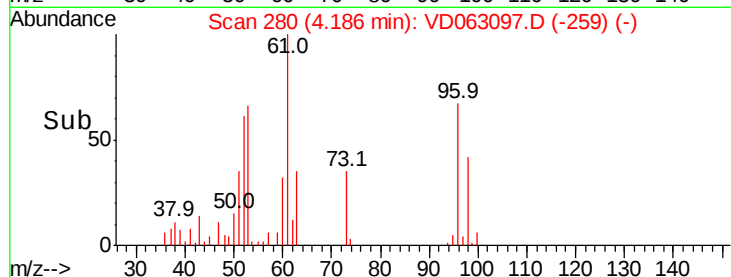
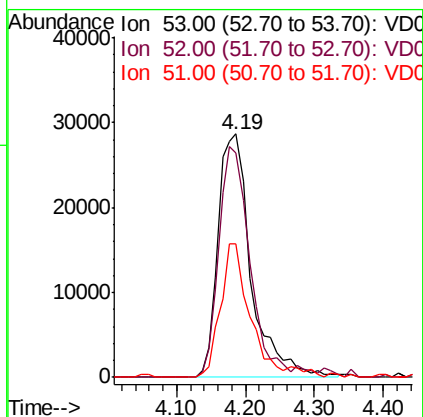
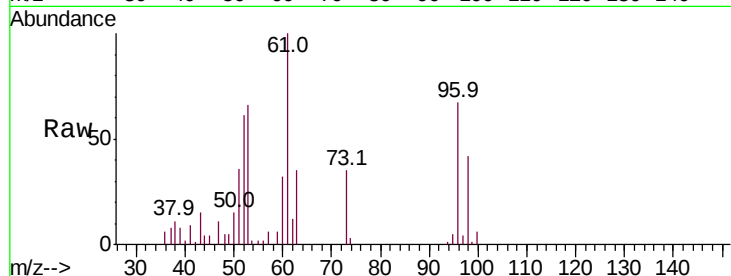
Tot Ion: 53 Resp: 95372

Ion Ratio Lower Upper

53 100

52 92.1 72.3 108.5

51 54.8 38.0 57.0



#16

Acetone

Concen: 91.272 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.00 min

Lab File: VD063097.D

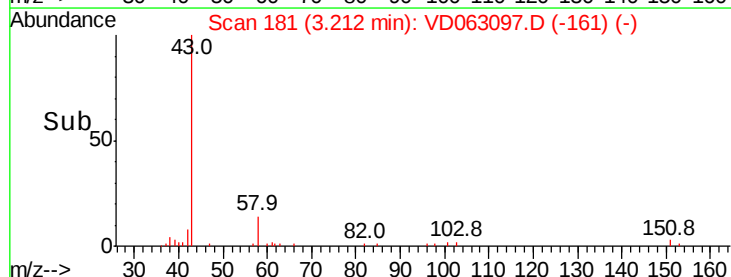
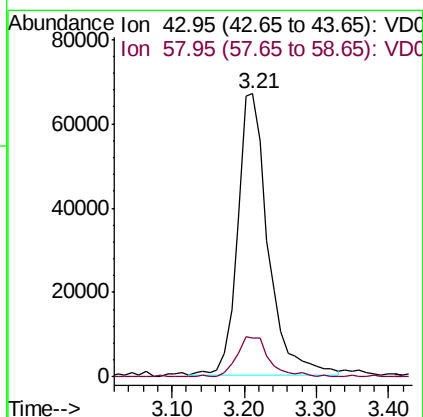
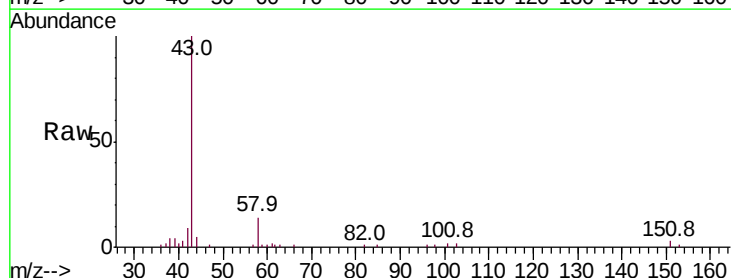
Acq: 16 Jul 2019 10:59

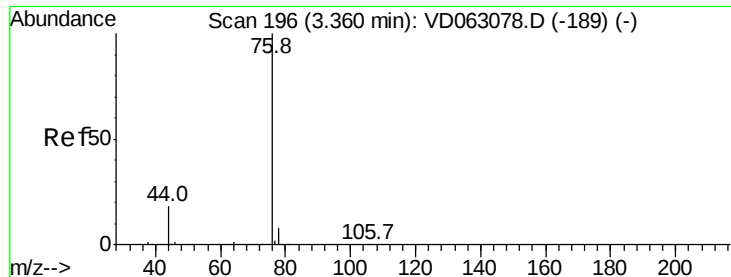
Tgt Ion: 43 Resp: 196856

Ion Ratio Lower Upper

43 100

58 14.0 13.0 19.4





#17

Carbon Disulfide

Concen: 13.832 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.00 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

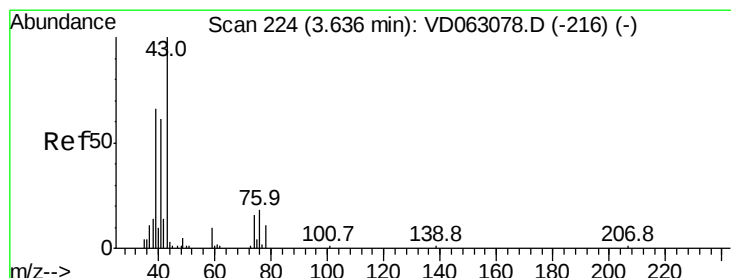
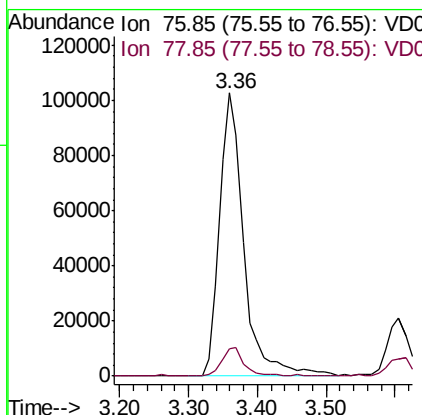
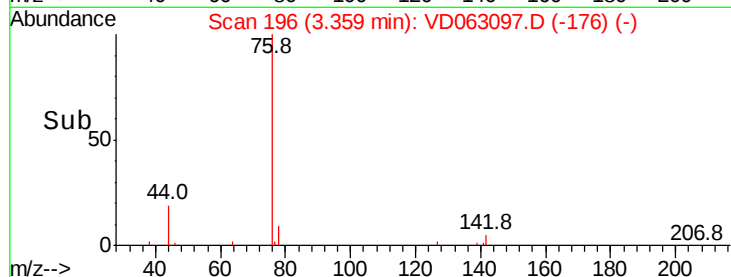
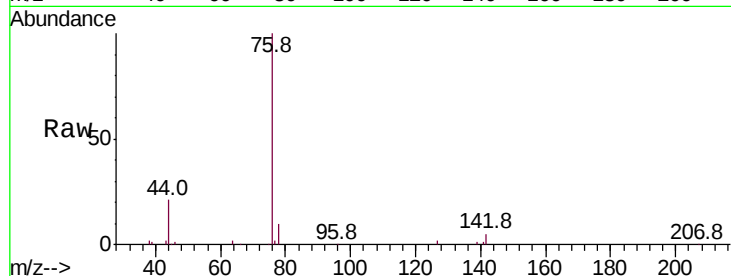
VD0716SBS01

Tot Ion: 76 Resp: 251084

Ion Ratio Lower Upper

76 100

78 9.7 6.7 10.1



#18

Methyl Acetate

Concen: 10.264 ug/l

RT: 3.64 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD063097.D

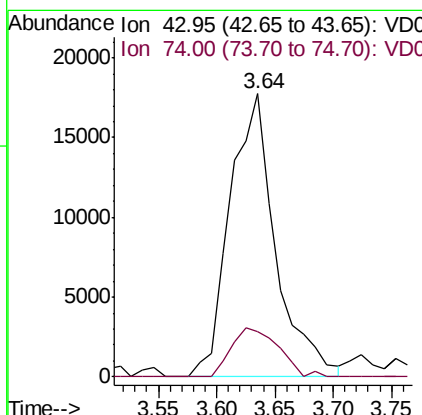
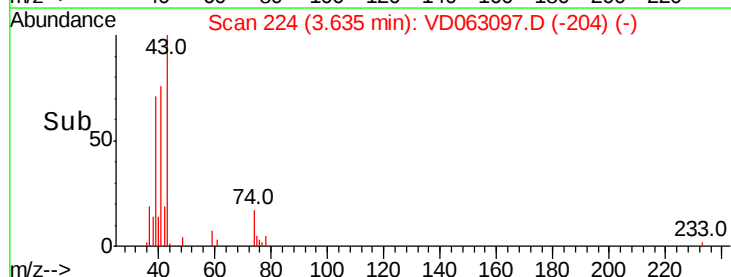
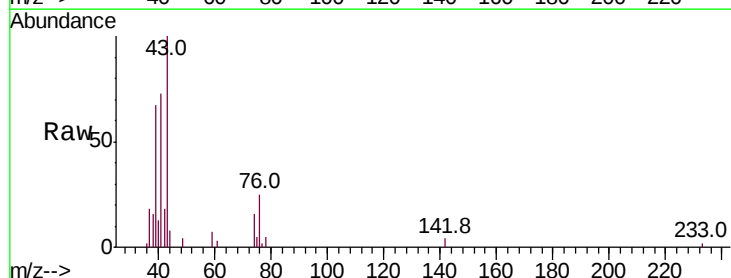
Acq: 16 Jul 2019 10:59

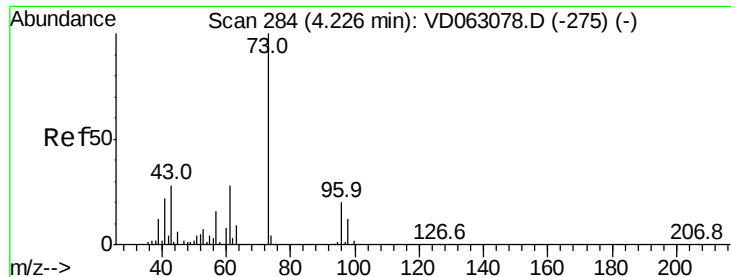
Tgt Ion: 43 Resp: 48271

Ion Ratio Lower Upper

43 100

74 16.0 12.5 18.7



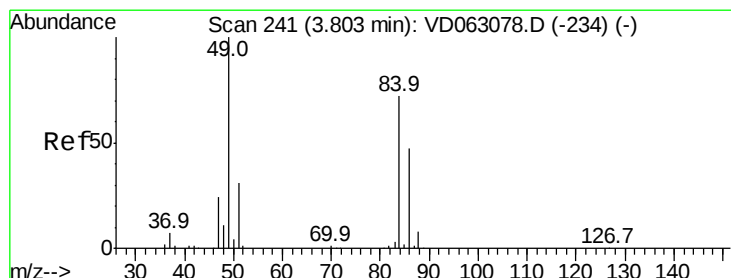
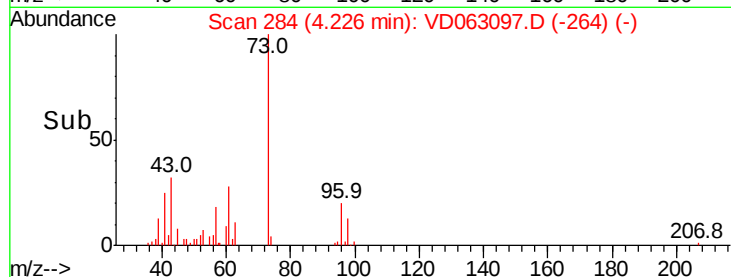
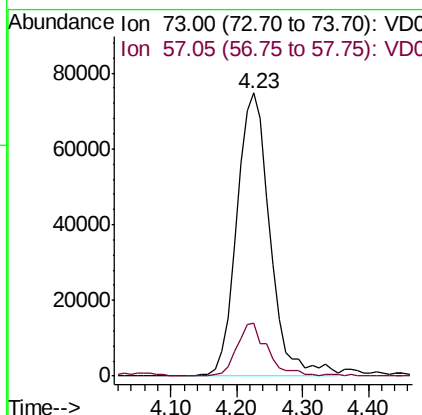
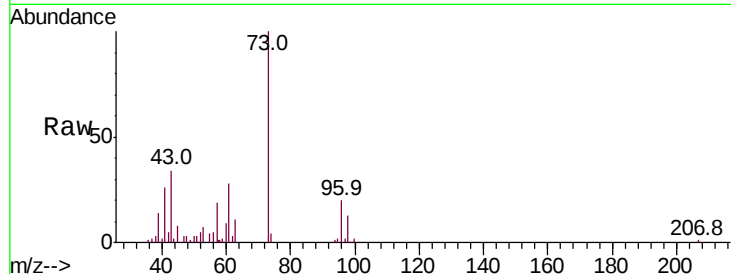


#19

Methyl tert-butyl Ether
 Concen: 16.535 ug/l
 RT: 4.23 min Scan# 284
 Delta R.T. -0.00 min
 Lab File: VD063097.D
 Acq: 16 Jul 2019 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

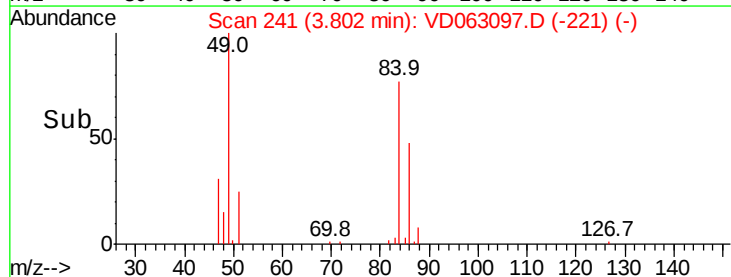
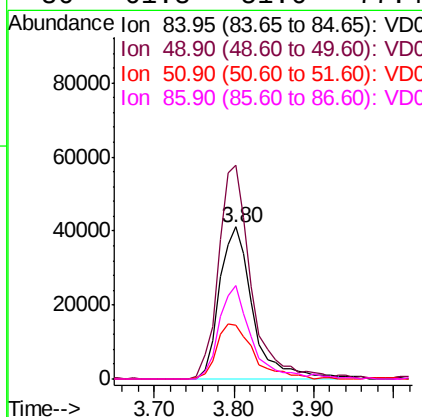
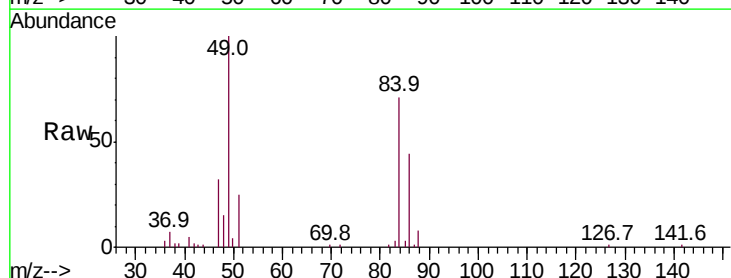
Tot Ion: 73 Resp: 264709
 Ion Ratio Lower Upper
 73 100
 57 18.9 13.1 19.7

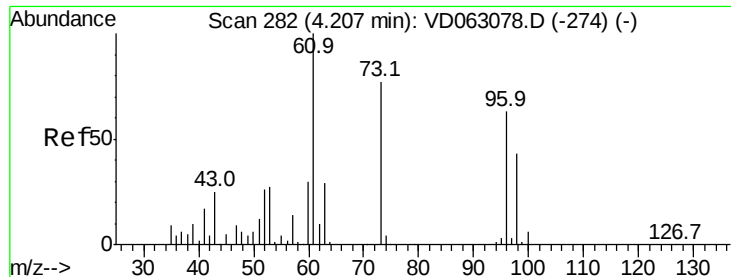


#20

Methylene Chloride
 Concen: 14.837 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. -0.00 min
 Lab File: VD063097.D
 Acq: 16 Jul 2019 10:59

Tgt Ion: 84 Resp: 120898
 Ion Ratio Lower Upper
 84 100
 49 140.7 110.5 165.7
 51 35.7 34.6 51.8
 86 61.8 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 16.164 ug/l

RT: 4.20 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

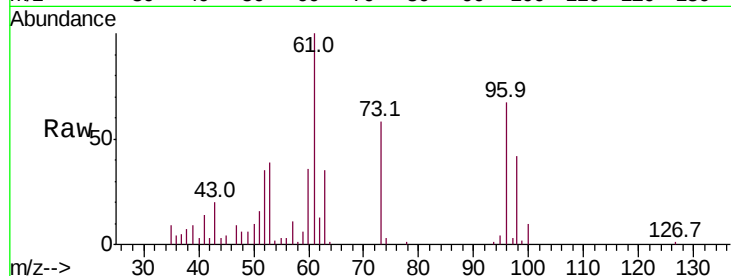
Tot Ion: 96 Resp: 113795

Ion Ratio Lower Upper

96 100

61 150.3 128.0 192.0

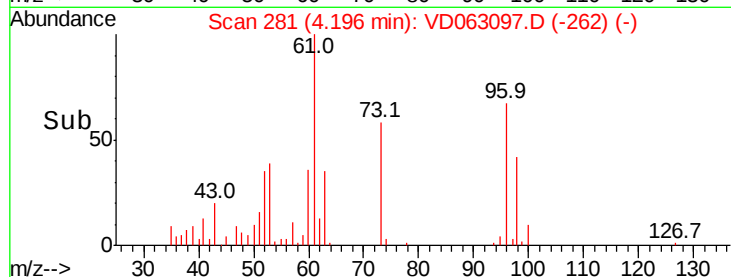
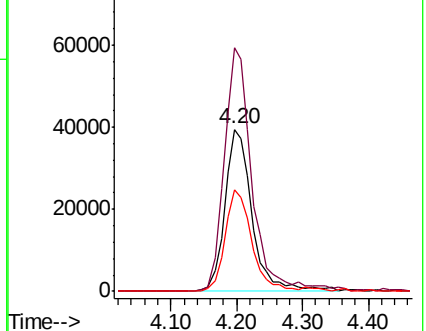
98 62.8 55.2 82.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 16.035 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.00 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

Tgt Ion: 45 Resp: 347486

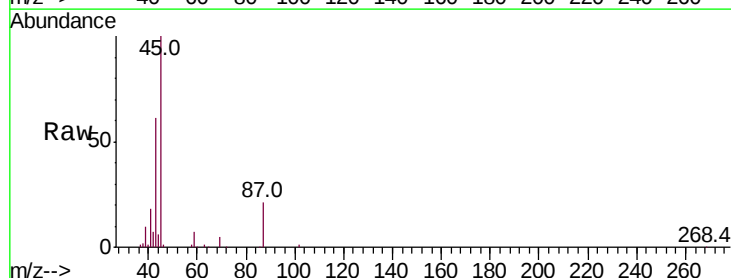
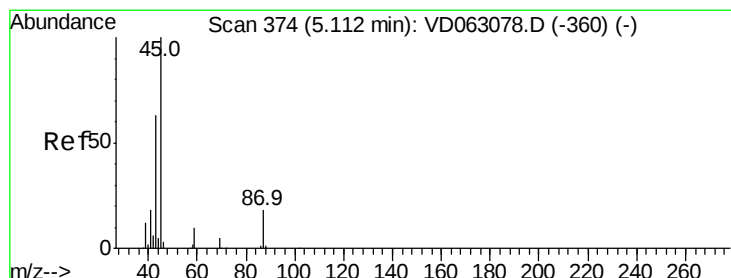
Ion Ratio Lower Upper

45 100

43 60.8 50.5 75.7

87 20.8 15.1 22.7

59 6.9 7.6 11.4#

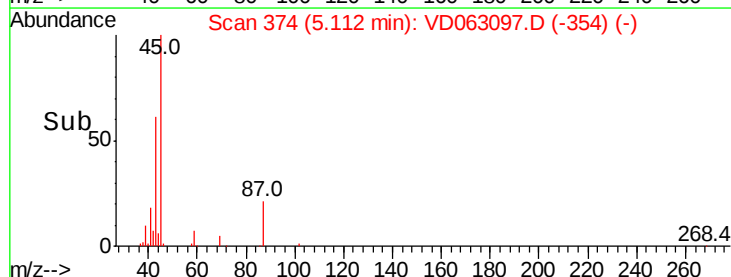
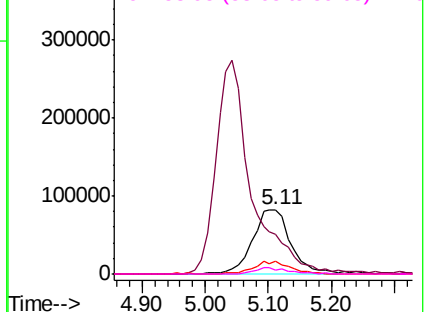


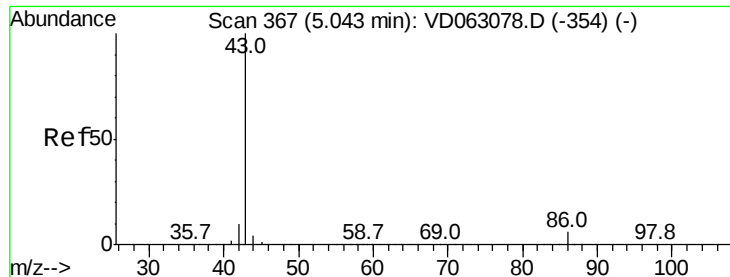
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 84.525 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.00 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

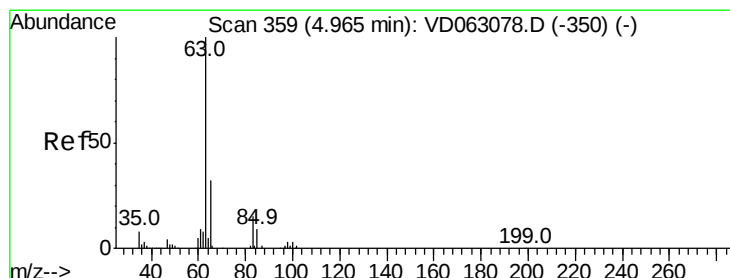
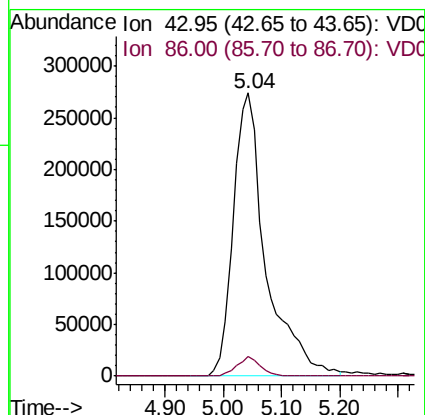
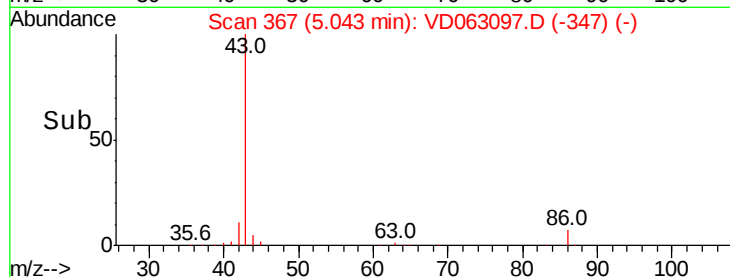
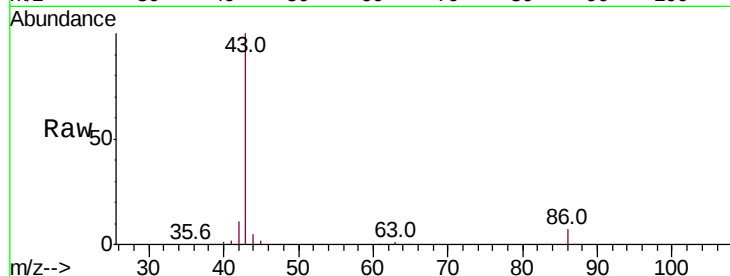
VD0716SBS01

Tot Ion: 43 Resp: 1068621

Ion Ratio Lower Upper

43 100

86 7.1 5.0 7.6



#24

1,1-Dichloroethane

Concen: 16.166 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.00 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

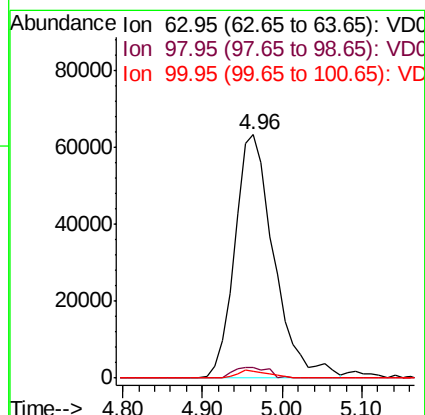
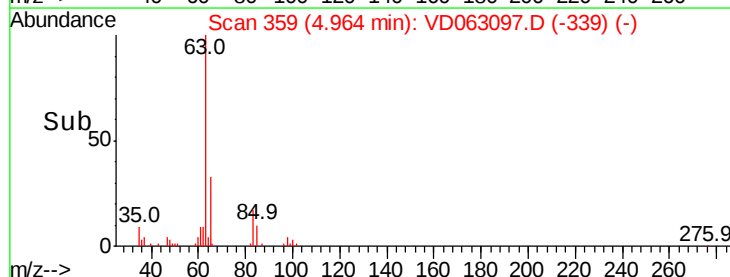
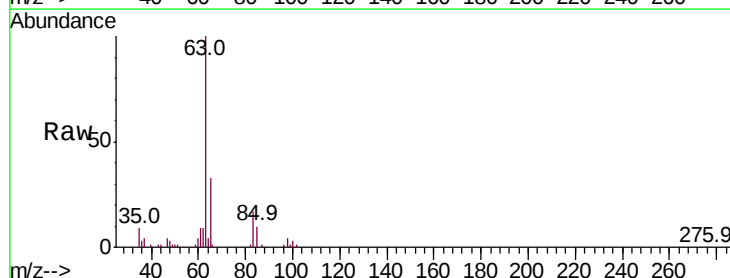
Tgt Ion: 63 Resp: 215791

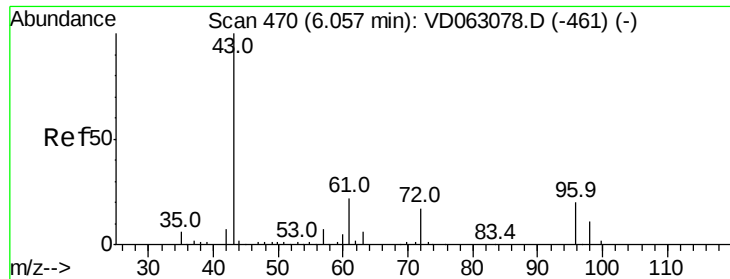
Ion Ratio Lower Upper

63 100

98 4.1 1.7 5.1

100 2.6 1.5 4.5





#25

2-Butanone

Concen: 78.669 ug/l

RT: 6.06 min Scan# 470

Delta R.T. -0.00 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

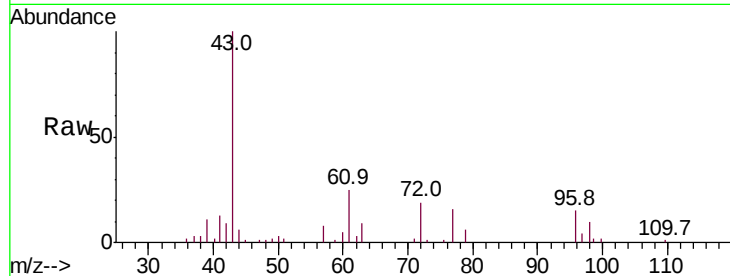
VD0716SBS01

Tot Ion: 43 Resp: 162025

Ion Ratio Lower Upper

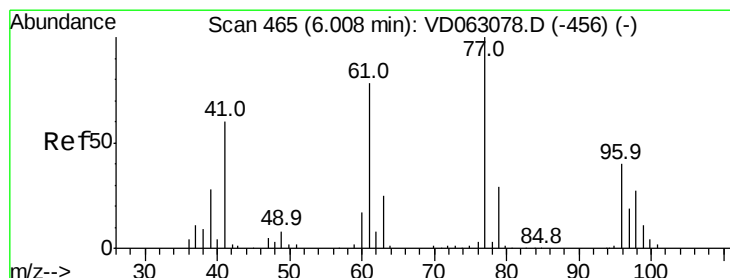
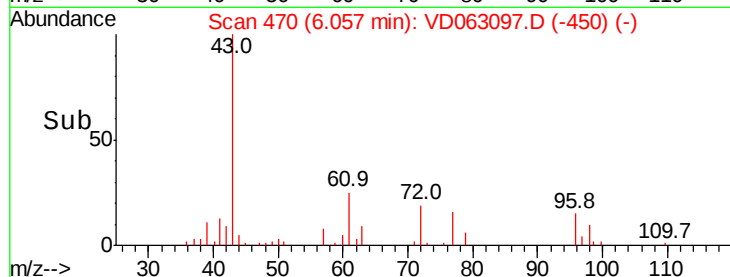
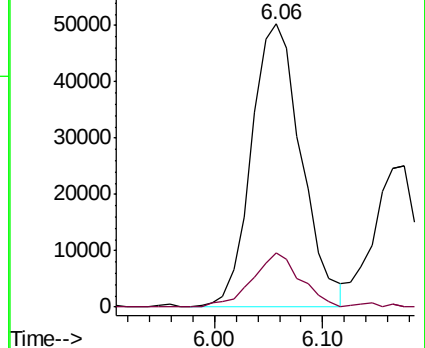
43 100

72 19.2 13.4 20.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 15.603 ug/l

RT: 6.01 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD063097.D

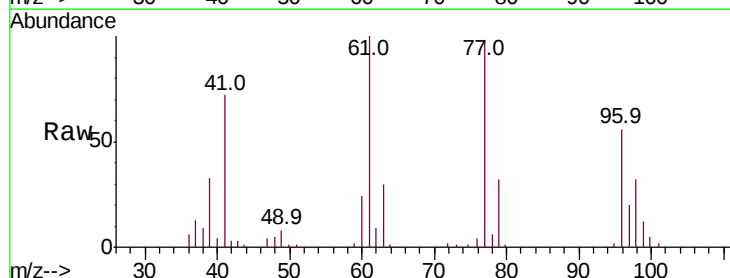
Acq: 16 Jul 2019 10:59

Tgt Ion: 77 Resp: 230506

Ion Ratio Lower Upper

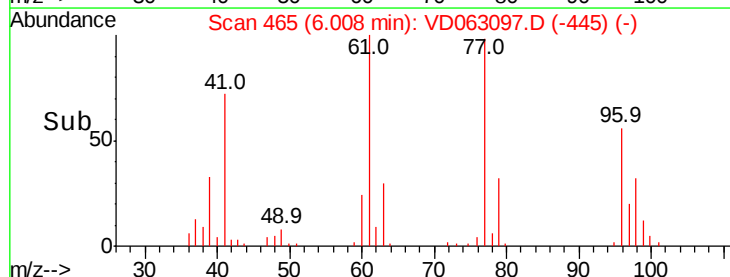
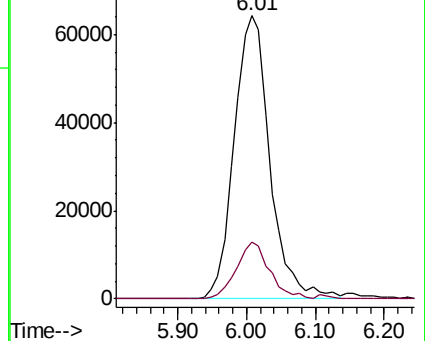
77 100

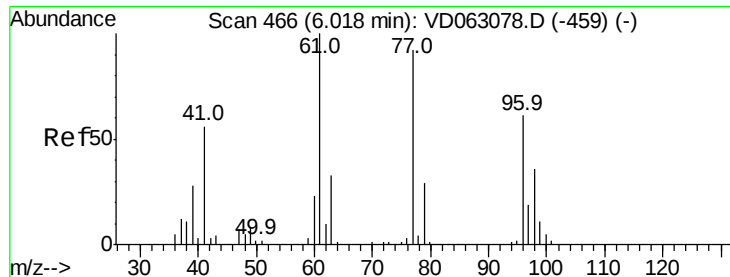
97 20.2 9.3 27.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



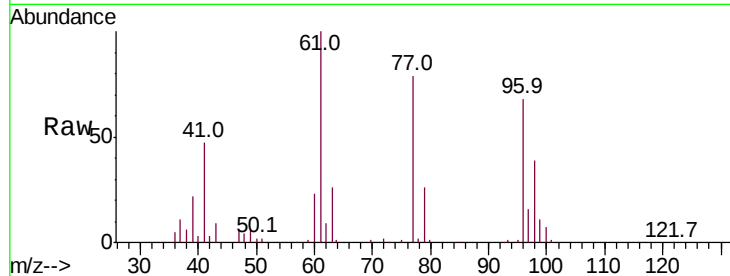


#27

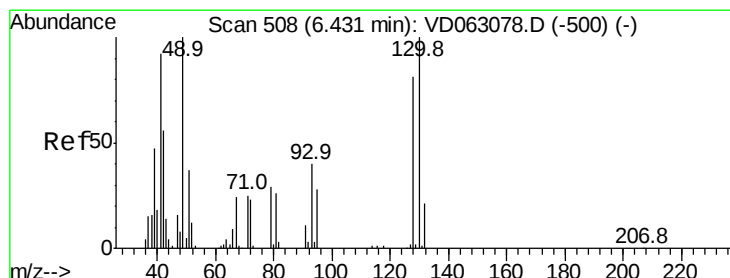
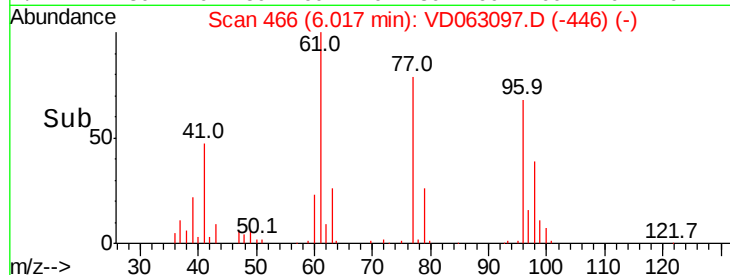
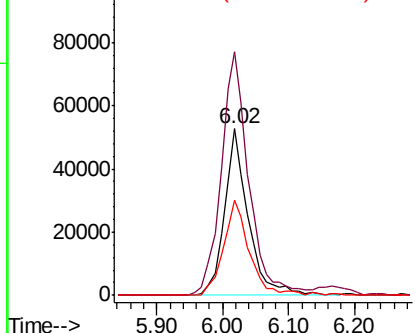
cis-1,2-Dichloroethene
Concen: 16.635 ug/l
RT: 6.02 min Scan# 466
Delta R.T. -0.00 min
Lab File: VD063097.D
Acq: 16 Jul 2019 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

Tot Ion: 96 Resp: 133223
Ion Ratio Lower Upper
96 100
61 146.3 0.0 329.6
98 57.4 0.0 118.4



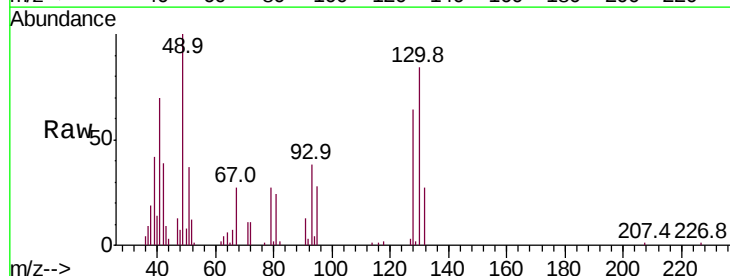
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



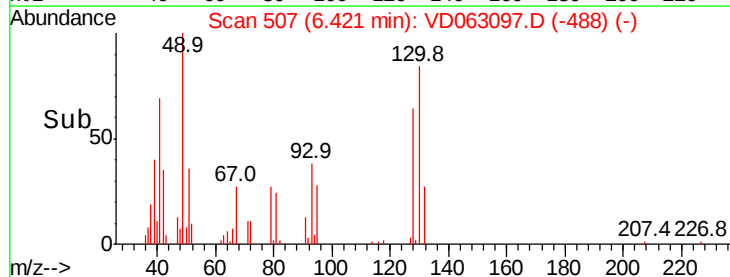
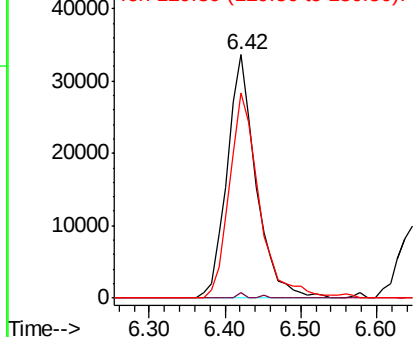
#28

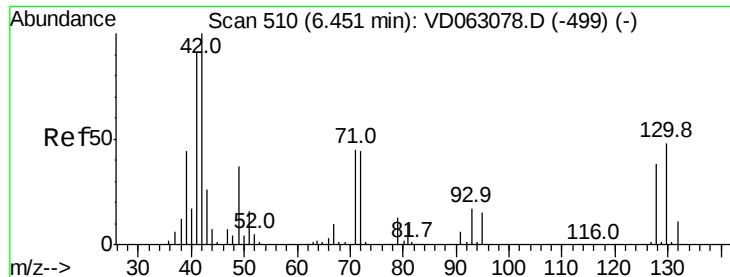
Bromochloromethane
Concen: 18.313 ug/l
RT: 6.42 min Scan# 507
Delta R.T. -0.01 min
Lab File: VD063097.D
Acq: 16 Jul 2019 10:59

Tgt Ion: 49 Resp: 88687
Ion Ratio Lower Upper
49 100
129 2.4 0.0 3.6
130 84.3 80.3 120.5



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

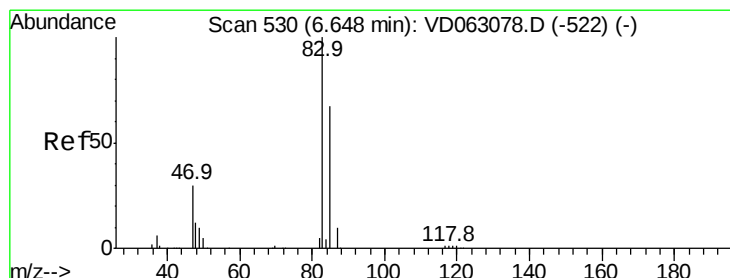
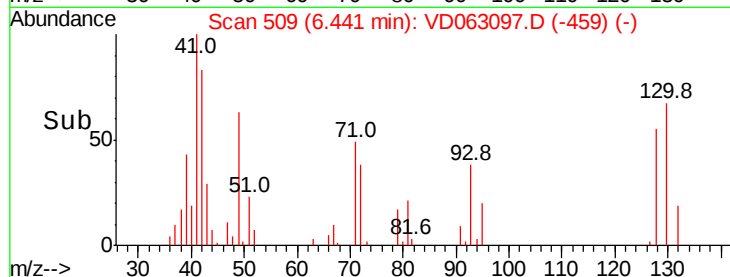
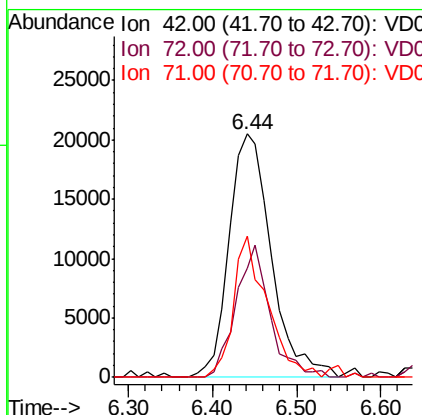
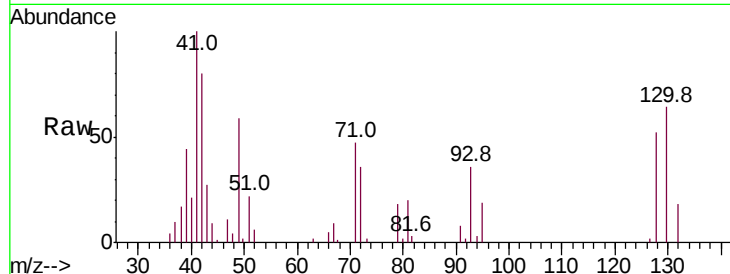




#29
Tetrahydrofuran
Concen: 76.760 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD063097.D
Acq: 16 Jul 2019 10:59

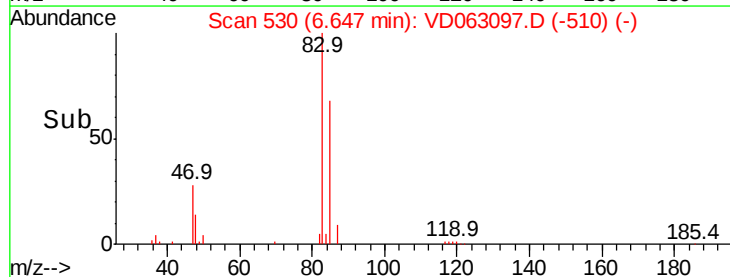
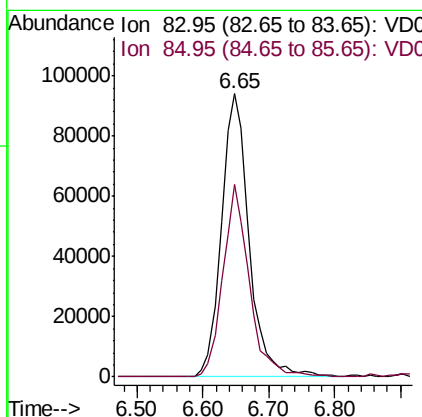
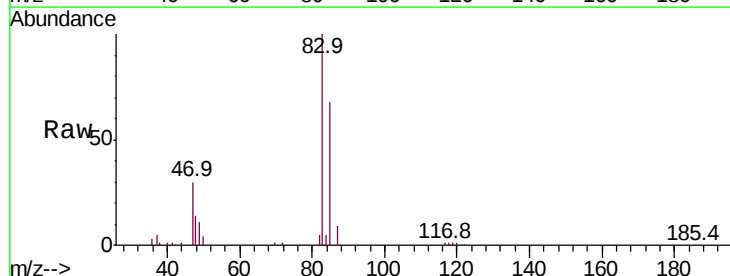
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

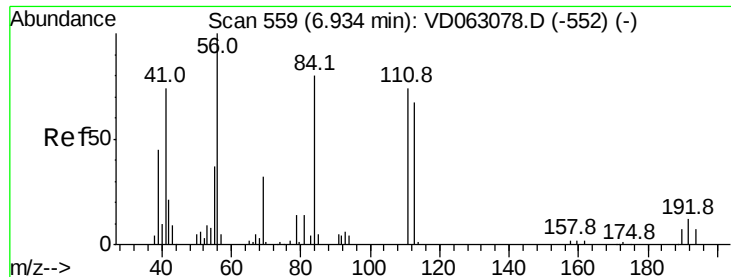
Tot Ion: 42 Resp: 71664
Ion Ratio Lower Upper
42 100
72 44.4 33.7 50.5
71 46.4 34.2 51.2



#30
Chloroform
Concen: 16.760 ug/l
RT: 6.65 min Scan# 530
Delta R.T. -0.00 min
Lab File: VD063097.D
Acq: 16 Jul 2019 10:59

Tgt Ion: 83 Resp: 275525
Ion Ratio Lower Upper
83 100
85 68.1 53.8 80.8





#31

Cyclohexane

Concen: 14.092 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

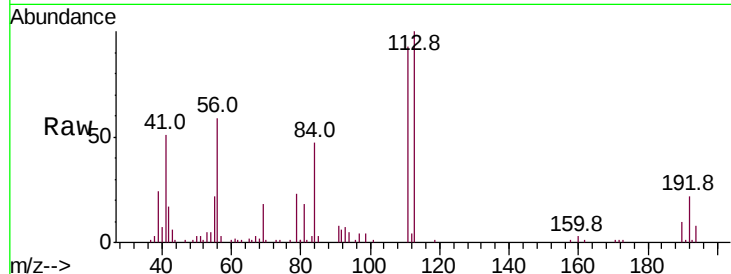
Tot Ion: 56 Resp: 119793

Ion Ratio Lower Upper

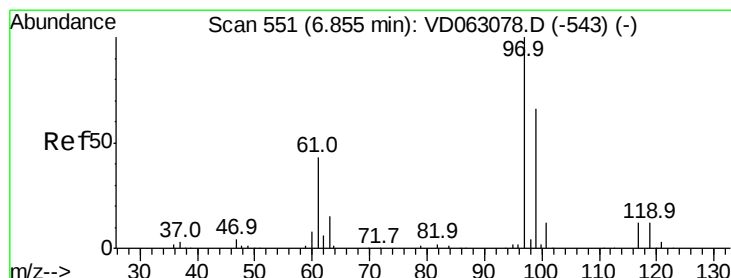
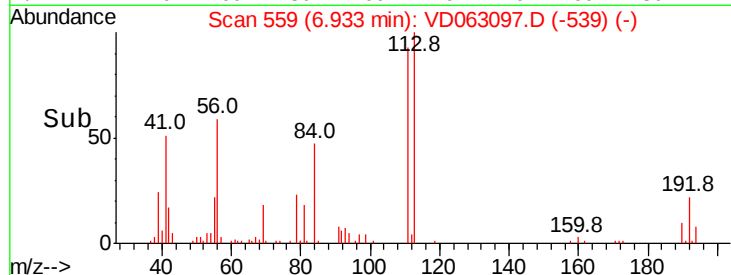
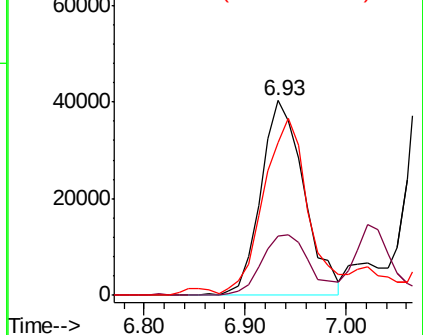
56 100

69 30.4 25.3 37.9

84 78.7 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: 16.073 ug/l

RT: 6.85 min Scan# 551

Delta R.T. -0.00 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

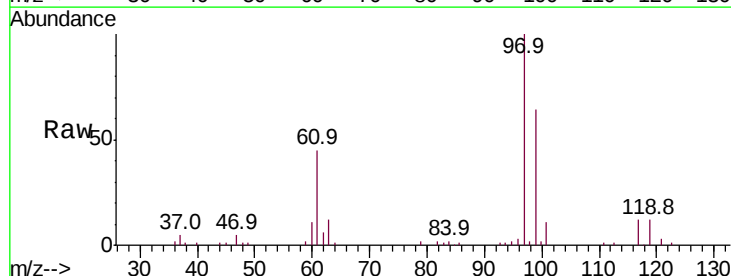
Tgt Ion: 97 Resp: 260551

Ion Ratio Lower Upper

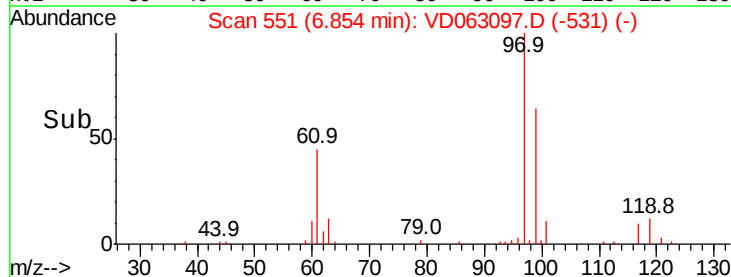
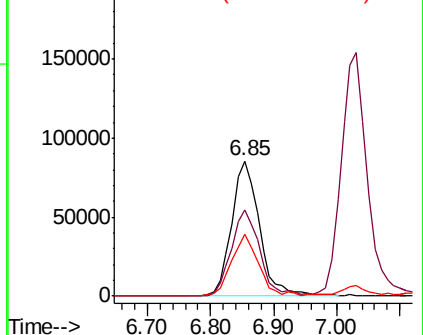
97 100

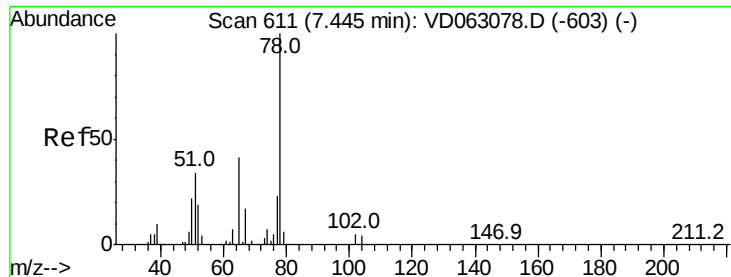
99 63.6 52.9 79.3

61 45.4 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: 47.246 ug/l

RT: 7.44 min Scan# 610

Delta R.T. -0.01 min

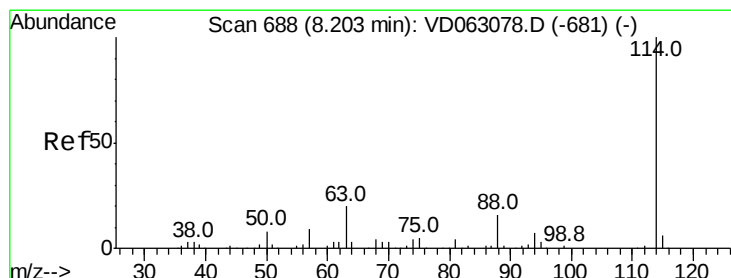
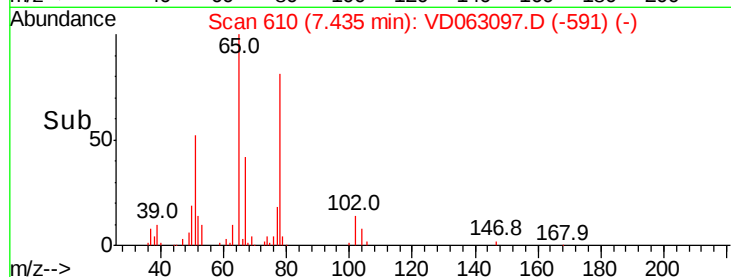
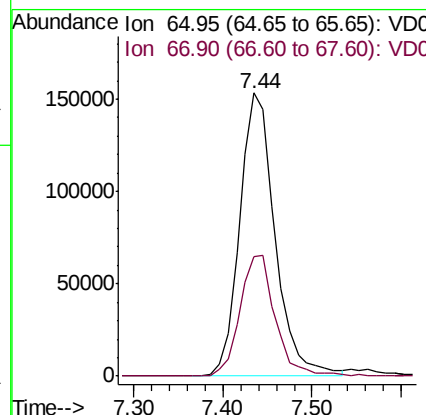
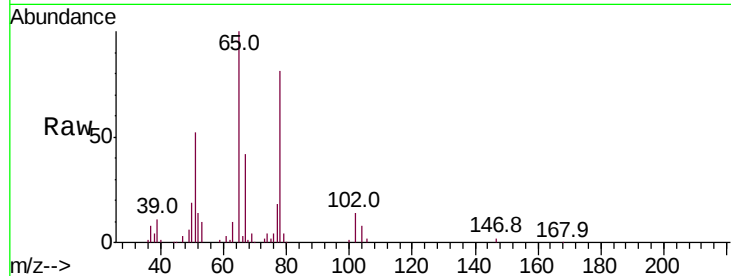
Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

Tot Ion: 65 Resp: 421900

Ion	Ratio	Lower	Upper
65	100		
67	42.3	0.0	86.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

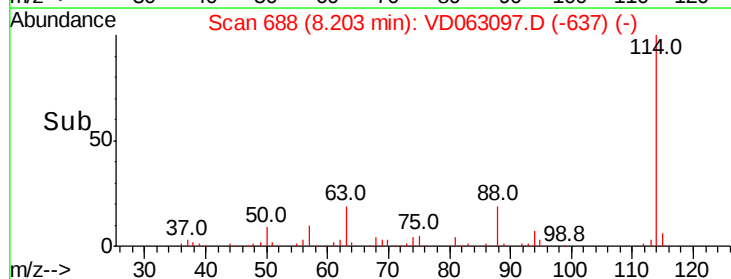
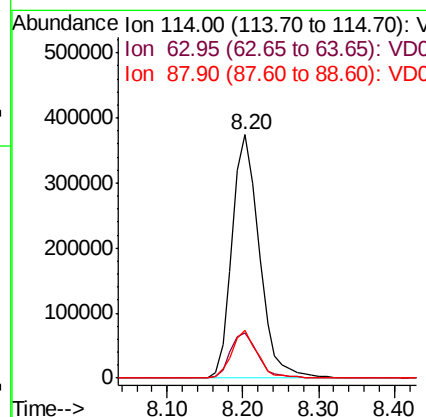
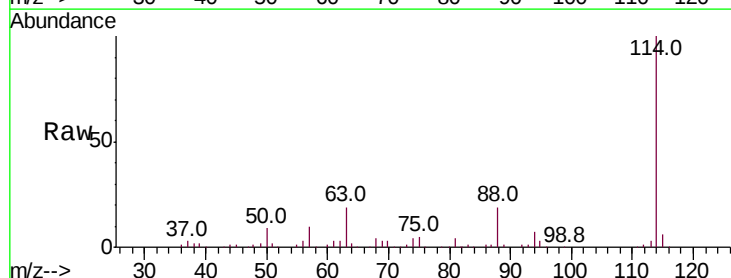
Delta R.T. -0.00 min

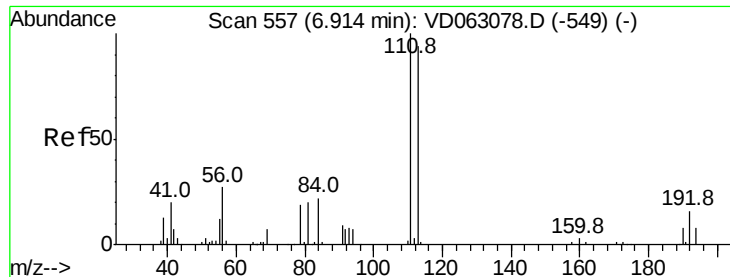
Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

Tgt Ion: 114 Resp: 931042

Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	40.6
88	19.4	0.0	32.6

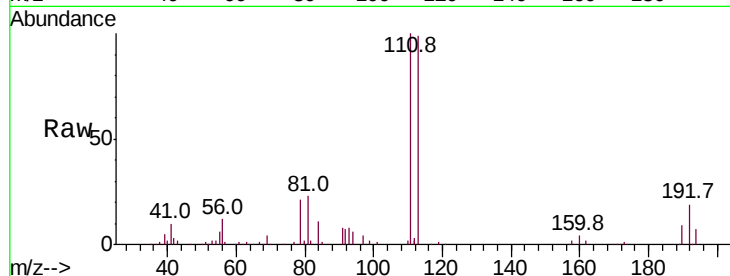




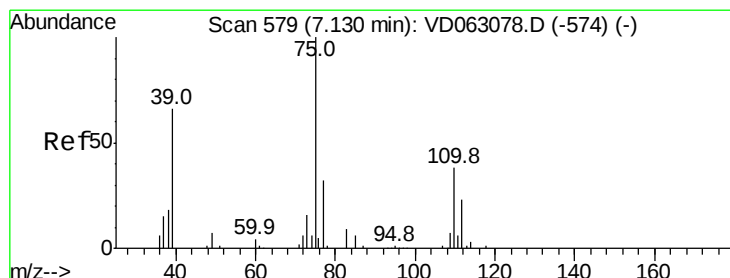
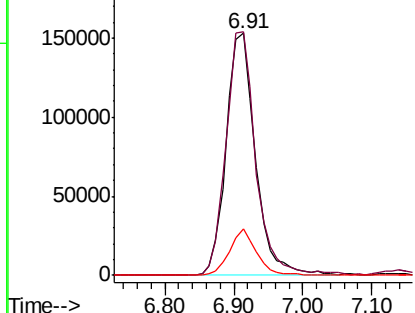
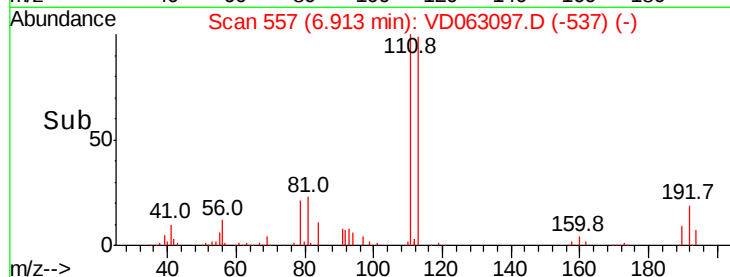
#35
 Dibromofluoromethane
 Concen: 48.702 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.00 min
 Lab File: VD063097.D
 Acq: 16 Jul 2019 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

Tot Ion:113 Resp: 451629
 Ion Ratio Lower Upper
 113 100
 111 100.6 84.8 127.2
 192 19.0 13.4 20.0

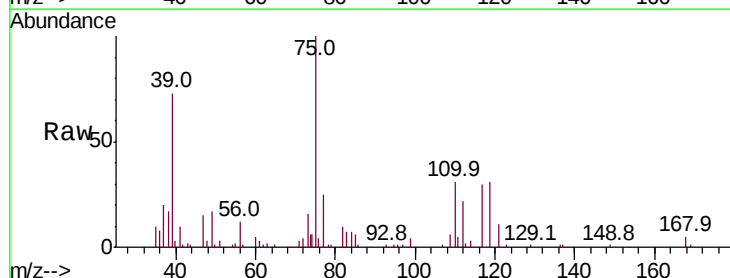


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

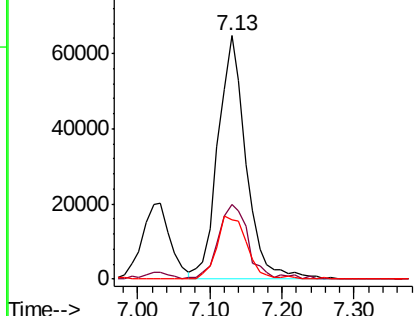
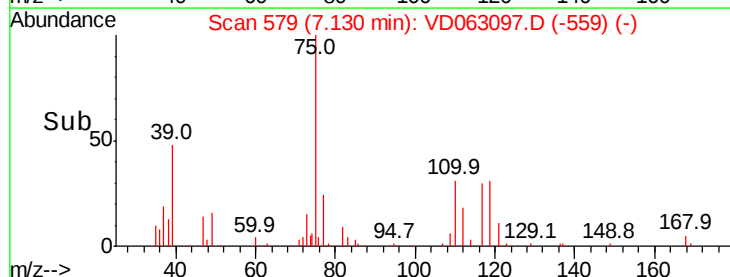


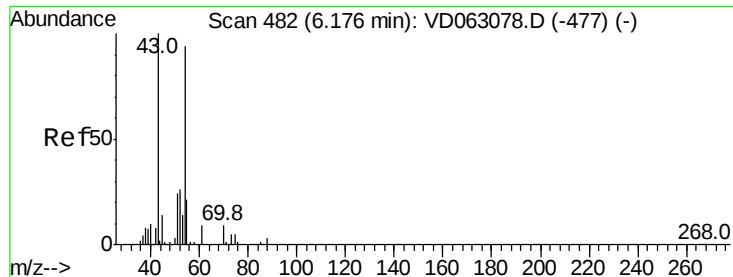
#36
 1,1-Dichloropropene
 Concen: 16.683 ug/l
 RT: 7.13 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: VD063097.D
 Acq: 16 Jul 2019 10:59

Tgt Ion: 75 Resp: 174688
 Ion Ratio Lower Upper
 75 100
 110 30.8 18.9 56.5
 77 24.6 25.2 37.8#



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC

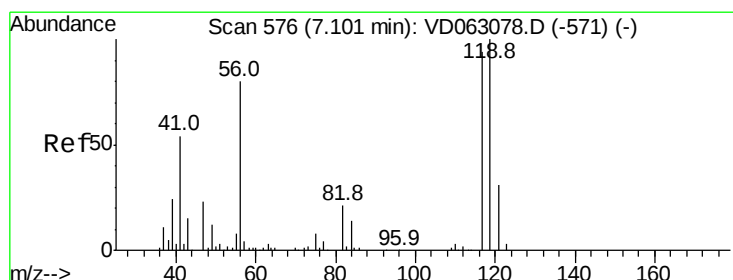
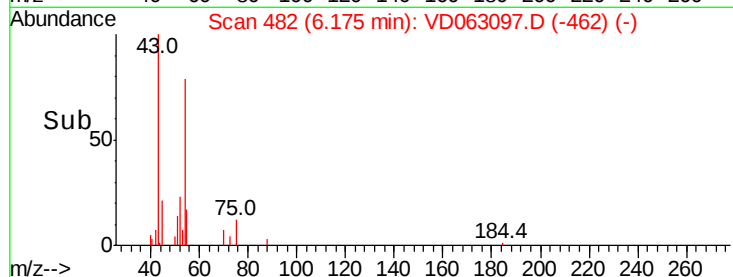
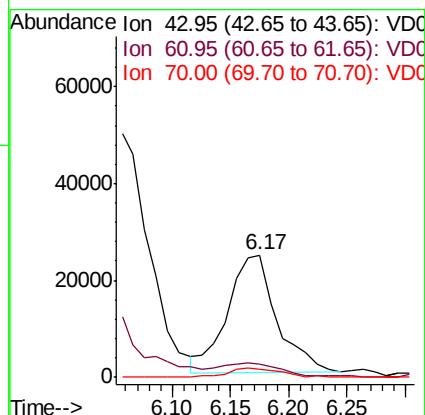
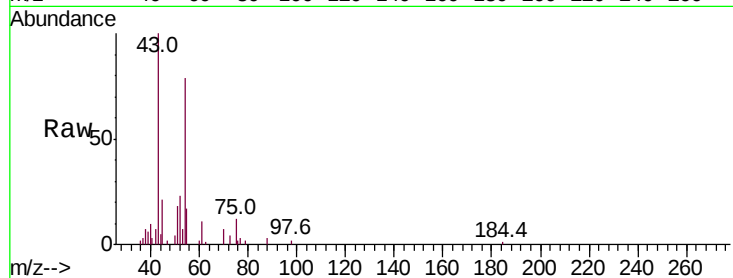




#37
Ethyl Acetate
Concen: 15.650 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD063097.D
Acq: 16 Jul 2019 10:59

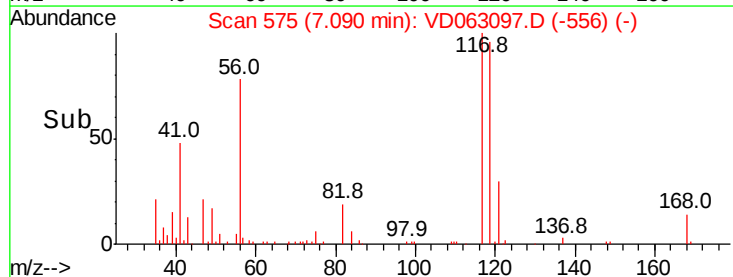
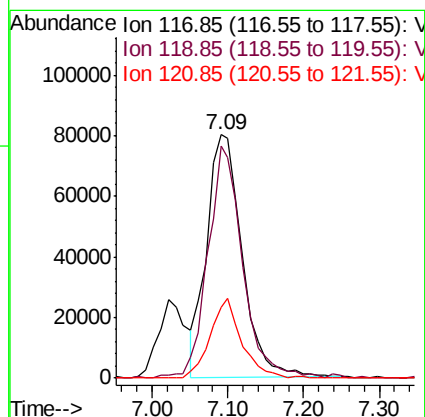
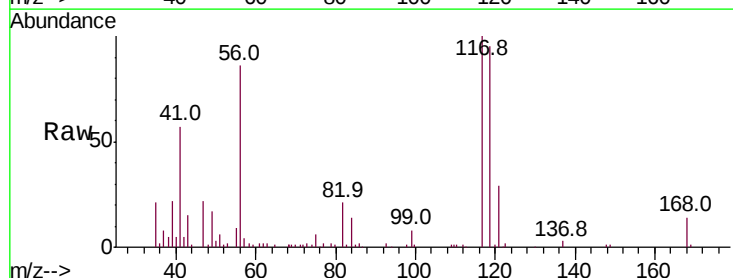
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

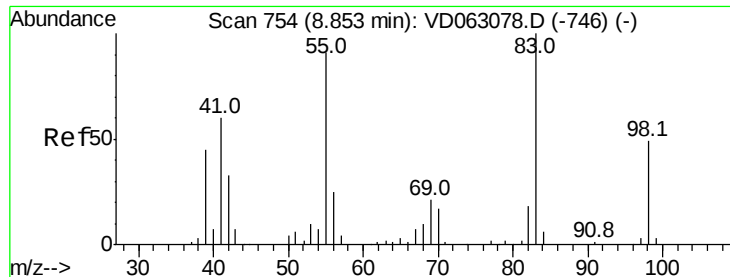
Tot Ion: 43 Resp: 70134
Ion Ratio Lower Upper
43 100
61 10.9 10.6 16.0
70 6.7 6.6 9.8



#38
Carbon Tetrachloride
Concen: 16.453 ug/l
RT: 7.09 min Scan# 575
Delta R.T. -0.01 min
Lab File: VD063097.D
Acq: 16 Jul 2019 10:59

Tgt Ion: 117 Resp: 261790
Ion Ratio Lower Upper
117 100
119 95.2 80.0 120.0
121 29.2 25.0 37.4

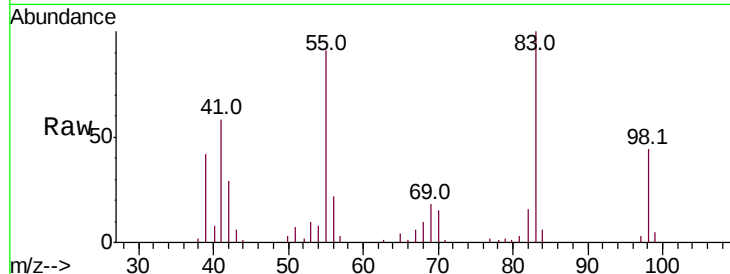




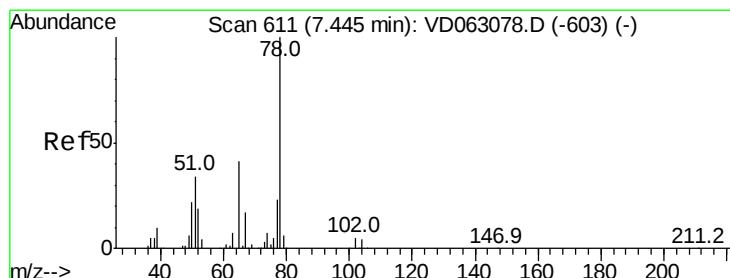
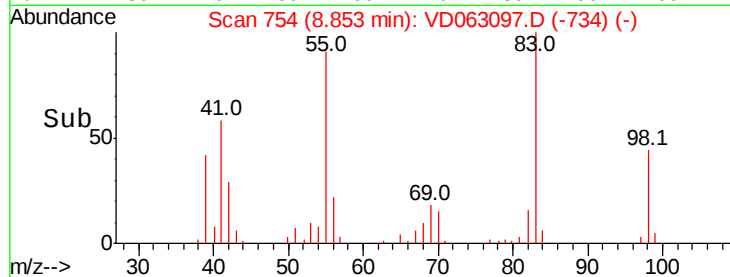
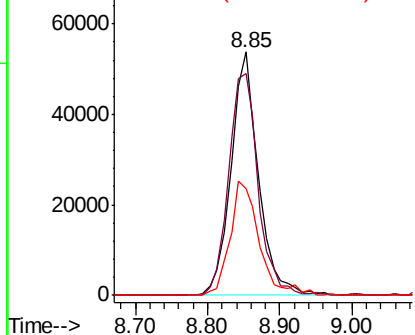
#39
Methvlcvclohexane
Concen: 15.786 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.00 min
Lab File: VD063097.D
Acq: 16 Jul 2019 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

Tot Ion: 83 Resp: 142912
Ion Ratio Lower Upper
83 100
55 91.2 73.0 109.4
98 43.7 39.4 59.0

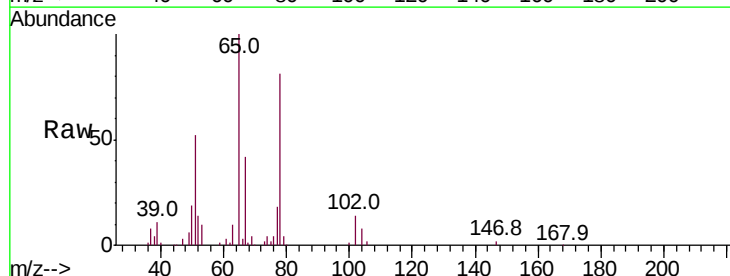


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

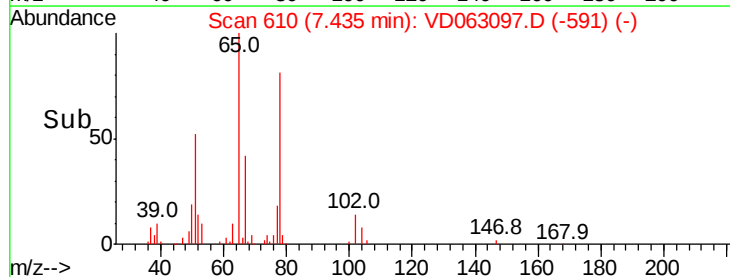
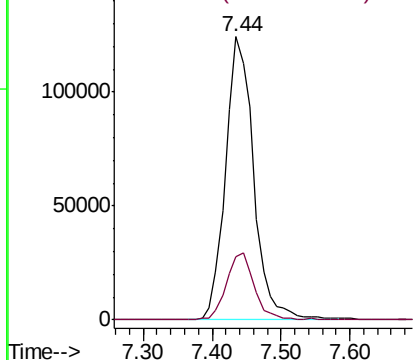


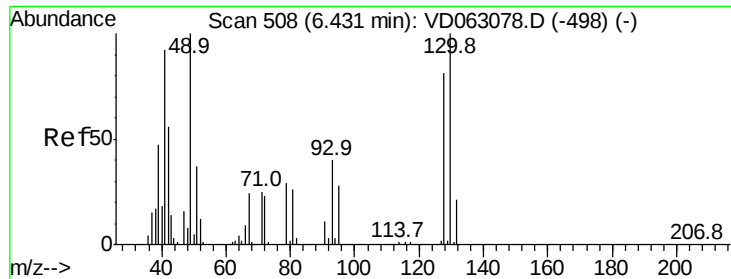
#40
Benzene
Concen: 16.020 ug/l
RT: 7.44 min Scan# 610
Delta R.T. -0.01 min
Lab File: VD063097.D
Acq: 16 Jul 2019 10:59

Tgt Ion: 78 Resp: 351345
Ion Ratio Lower Upper
78 100
77 22.1 18.1 27.1



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





#41

Methacrylonitrile

Concen: 17.218 ug/l

RT: 6.44 min Scan# 509

Delta R.T. 0.01 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

Tot Ion: 41 Resp: 104612

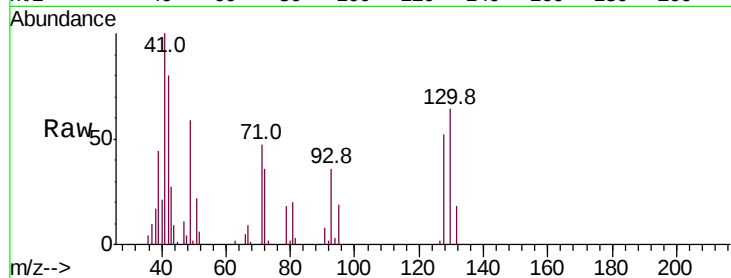
Ion Ratio Lower Upper

41 100

39 43.8 41.0 61.6

67 10.8 21.3 31.9#

52 6.5 10.5 15.7#

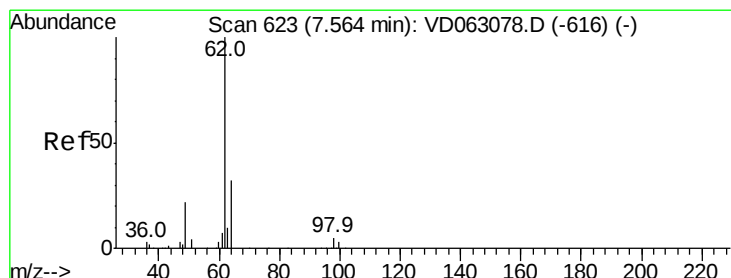
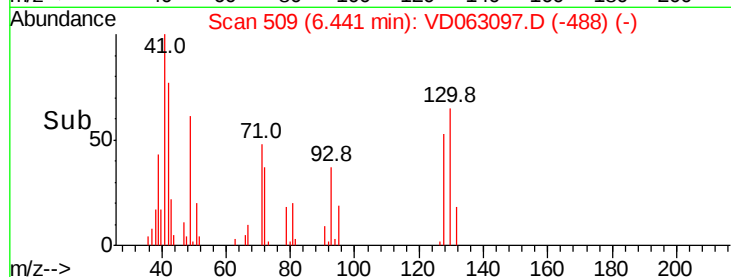
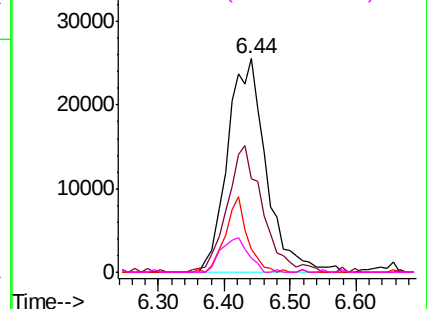


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 17.193 ug/l

RT: 7.56 min Scan# 623

Delta R.T. -0.00 min

Lab File: VD063097.D

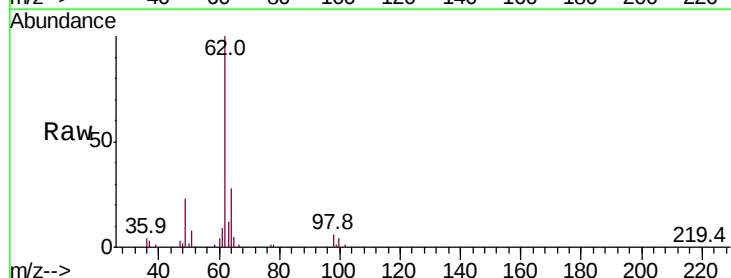
Acq: 16 Jul 2019 10:59

Tgt Ion: 62 Resp: 200890

Ion Ratio Lower Upper

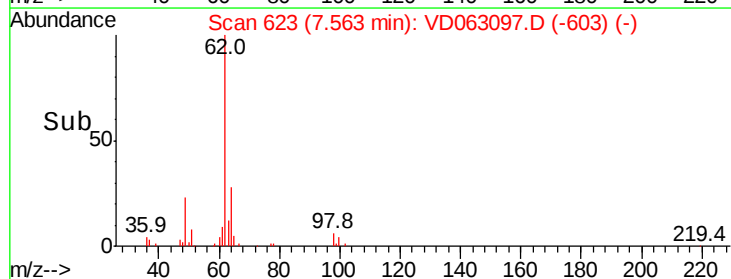
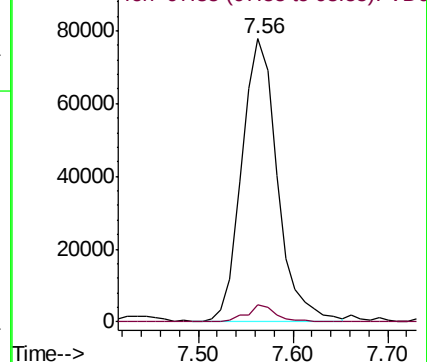
62 100

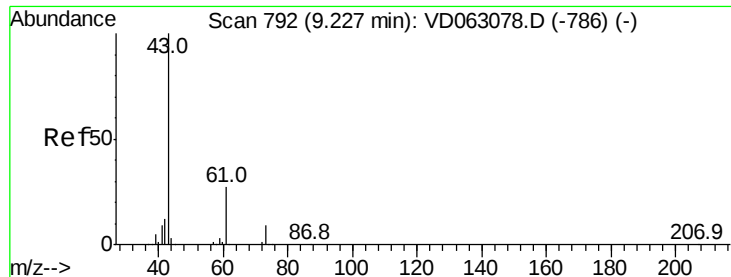
98 6.1 0.0 9.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 16.692 ug/l

RT: 9.23 min Scan# 792

Delta R.T. -0.00 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

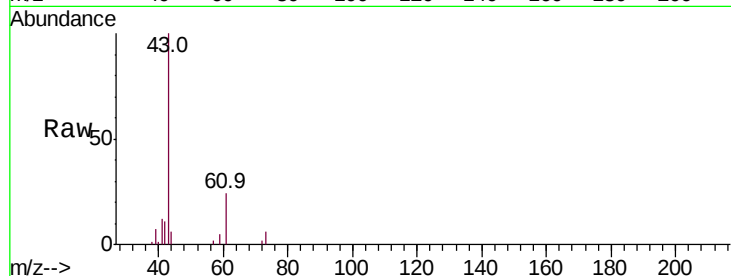
Tot Ion: 43 Resp: 107218

Ion Ratio Lower Upper

43 100

61 23.5 21.7 32.5

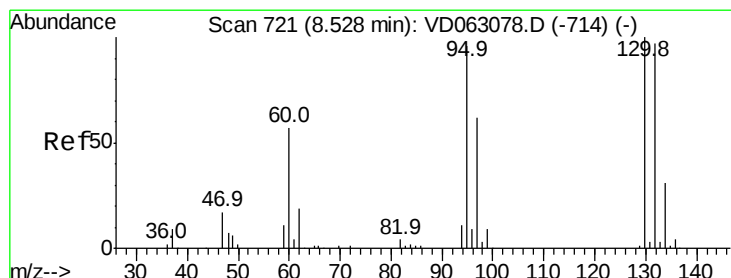
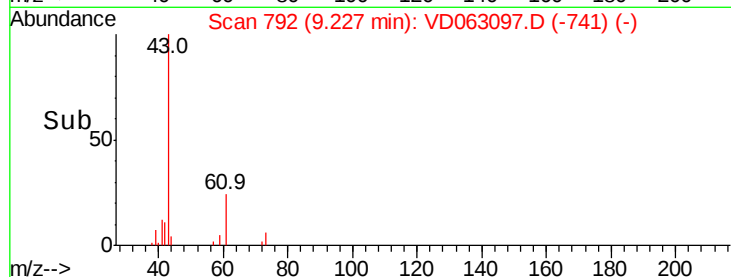
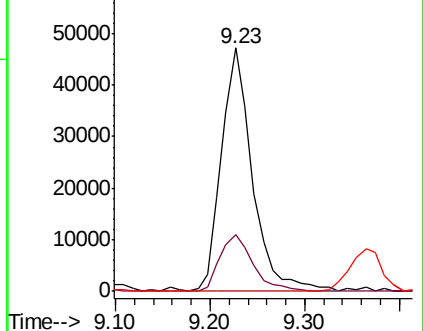
87 0.0 0.2 0.4#



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: 16.194 ug/l

RT: 8.53 min Scan# 721

Delta R.T. -0.00 min

Lab File: VD063097.D

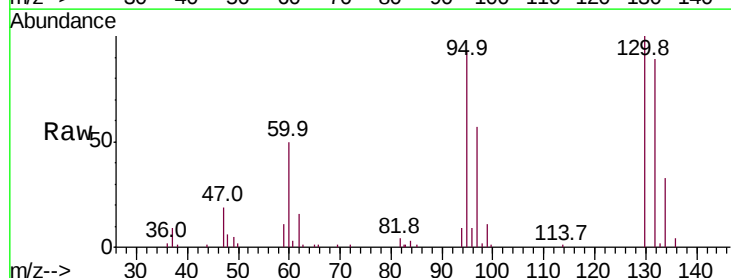
Acq: 16 Jul 2019 10:59

Tgt Ion:130 Resp: 137252

Ion Ratio Lower Upper

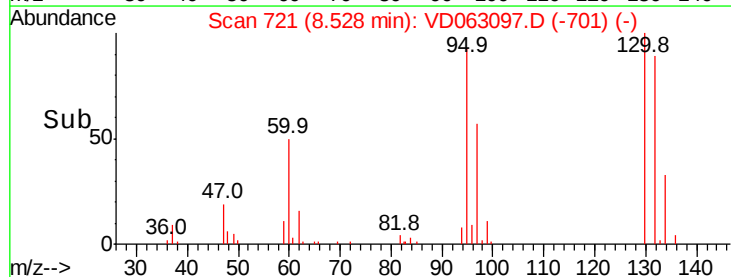
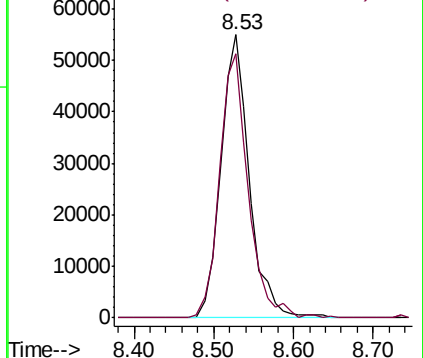
130 100

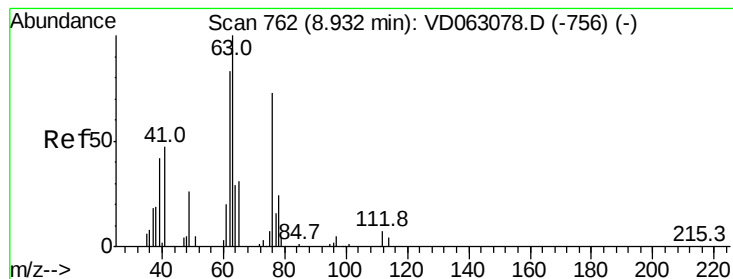
95 93.2 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 17.220 ug/l

RT: 8.92 min Scan# 761

Delta R.T. -0.01 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

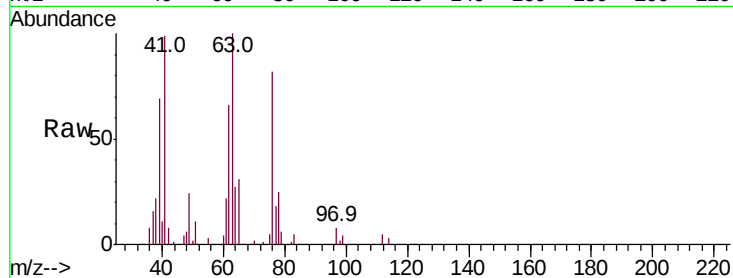
VD0716SBS01

Tot Ion: 63 Resp: 94155

Ion Ratio Lower Upper

63 100

65 30.7 26.3 39.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.92

40000

30000

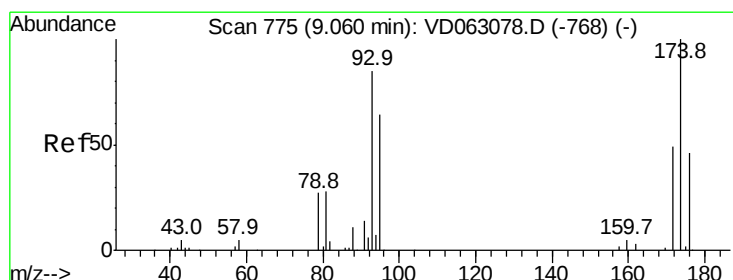
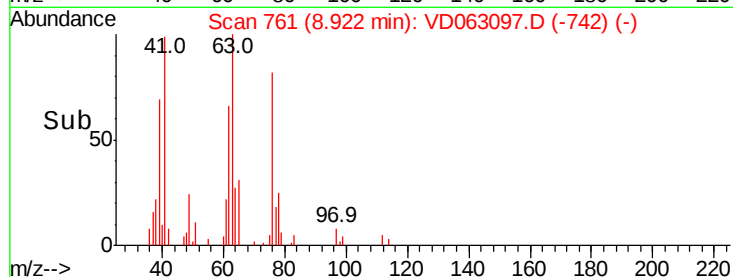
20000

10000

0

8.80 8.90 9.00 9.10

Time-->



#46

Dibromomethane

Concen: 17.343 ug/l

RT: 9.05 min Scan# 774

Delta R.T. -0.01 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

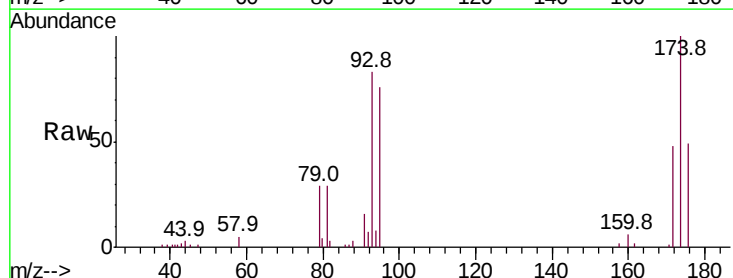
Tgt Ion: 93 Resp: 81489

Ion Ratio Lower Upper

93 100

95 91.0 59.7 89.5#

174 120.2 93.9 140.9



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

50000

40000

30000

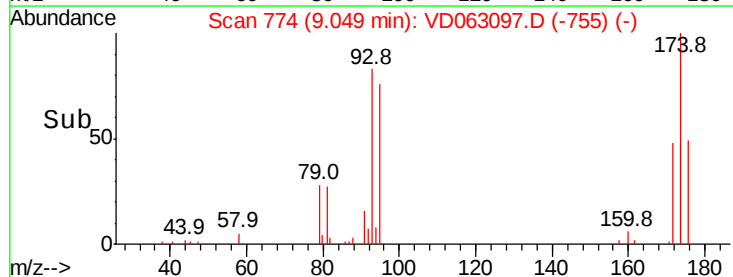
20000

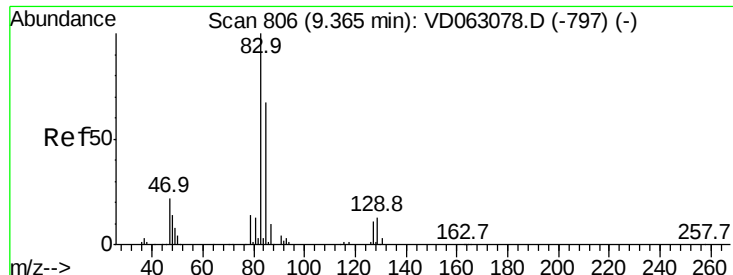
10000

0

9.00 9.10 9.20

Time-->





#47

Bromodichloromethane

Concen: 16.276 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.00 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

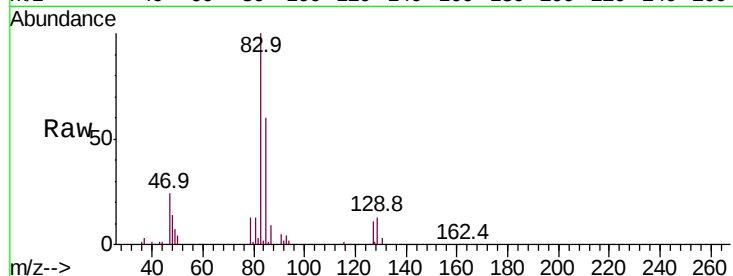
Tot Ion: 83 Resp: 199566

Ion Ratio Lower Upper

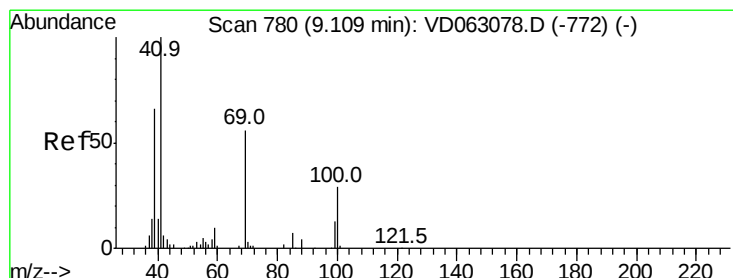
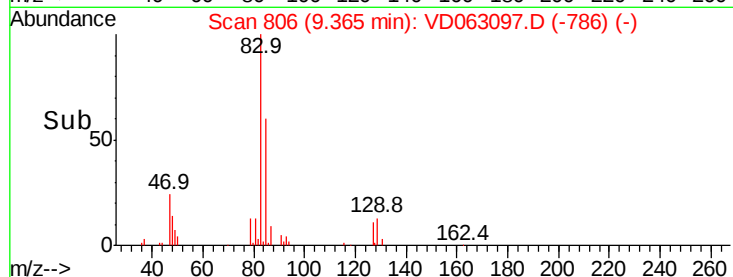
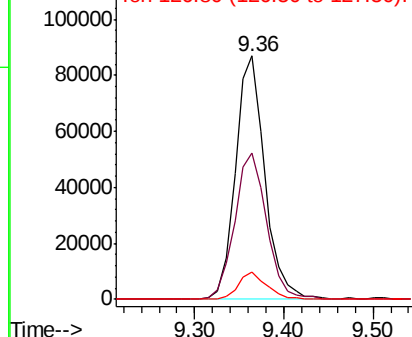
83 100

85 60.1 53.7 80.5

127 11.0 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: 17.459 ug/l

RT: 9.11 min Scan# 780

Delta R.T. -0.00 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

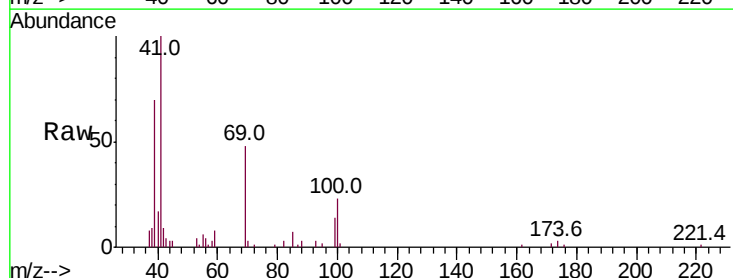
Tgt Ion: 41 Resp: 73645

Ion Ratio Lower Upper

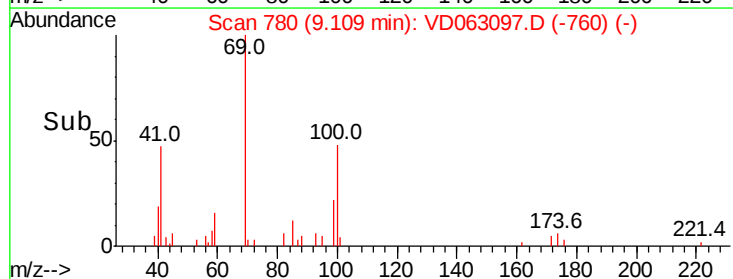
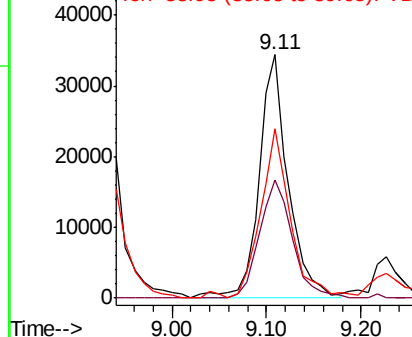
41 100

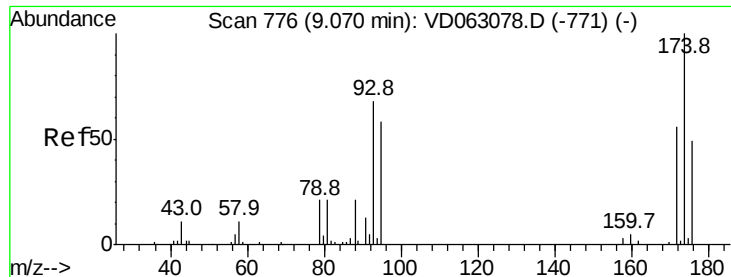
69 48.3 44.3 66.5

39 69.5 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

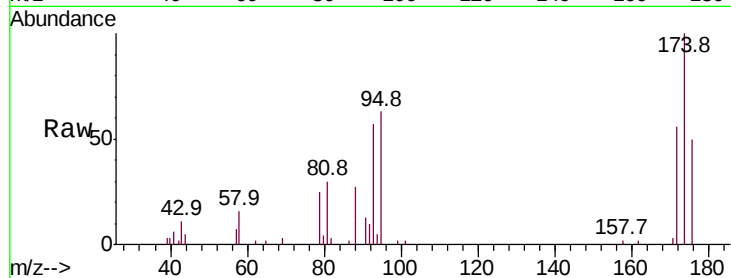




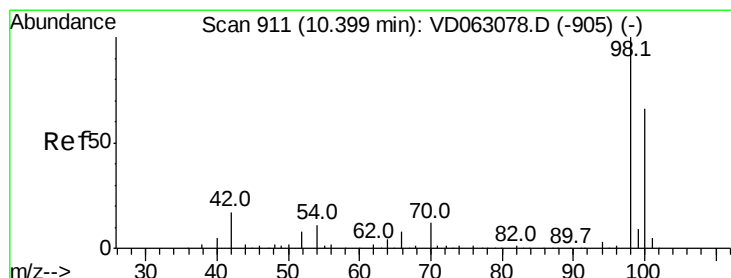
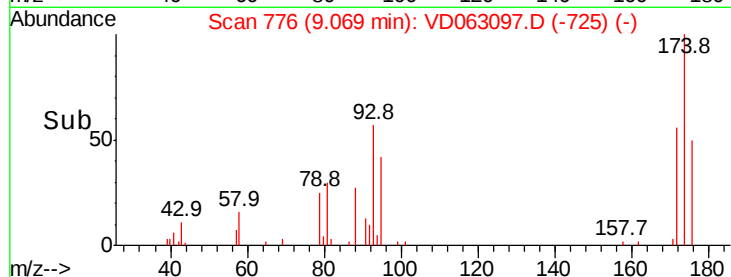
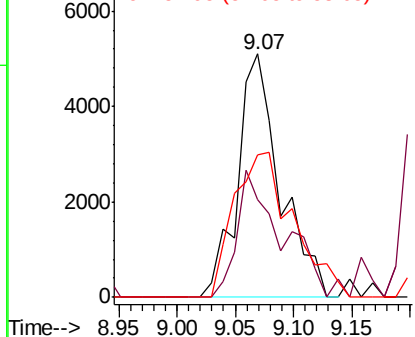
#49
 1,4-Dioxane
 Concen: 354.790 ug/l
 RT: 9.07 min Scan# 776
 Delta R.T. -0.00 min
 Lab File: VD063097.D
 Acq: 16 Jul 2019 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

Tot Ion: 88 Resp: 12907
 Ion Ratio Lower Upper
 88 100
 43 40.1 40.2 60.4#
 58 58.8 41.6 62.4

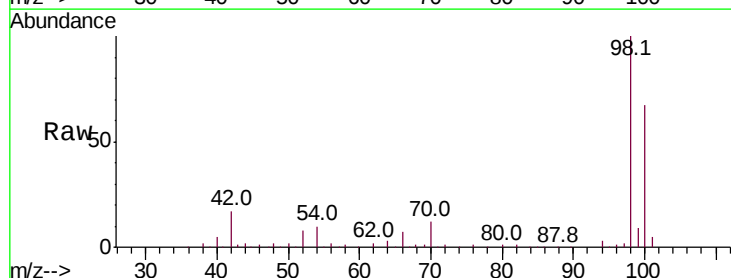


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

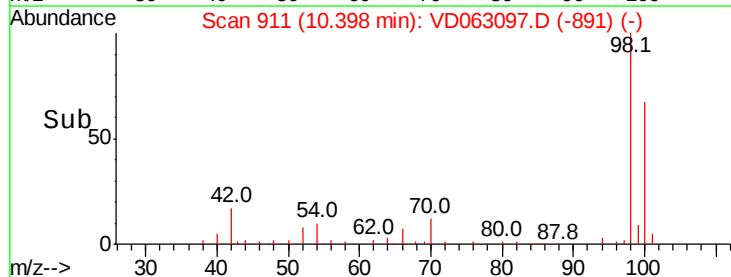
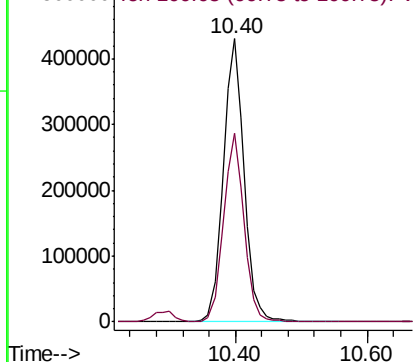


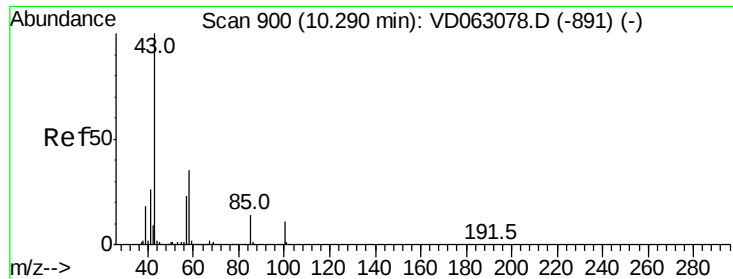
#50
 Toluene-d8
 Concen: 47.523 ug/l
 RT: 10.40 min Scan# 911
 Delta R.T. -0.00 min
 Lab File: VD063097.D
 Acq: 16 Jul 2019 10:59

Tgt Ion: 98 Resp: 946625
 Ion Ratio Lower Upper
 98 100
 100 66.7 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: 87.552 ug/l

RT: 10.29 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

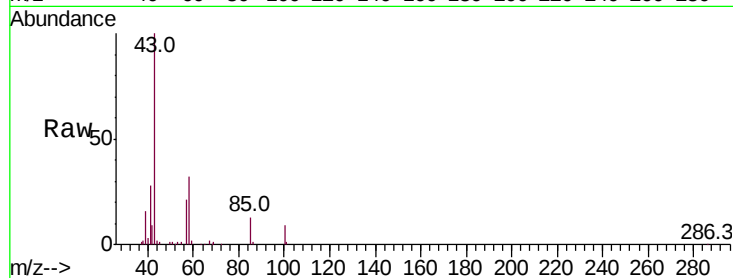
VD0716SBS01

Tot Ion: 43 Resp: 373008

Ion Ratio Lower Upper

43 100

58 31.5 27.8 41.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

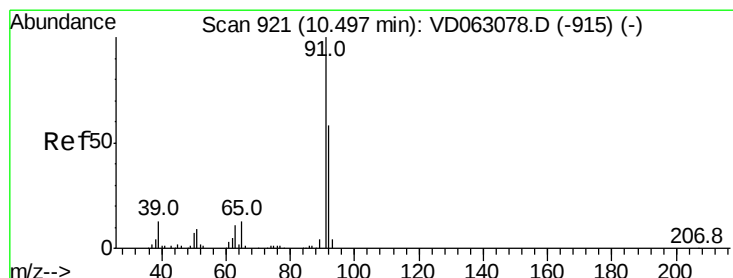
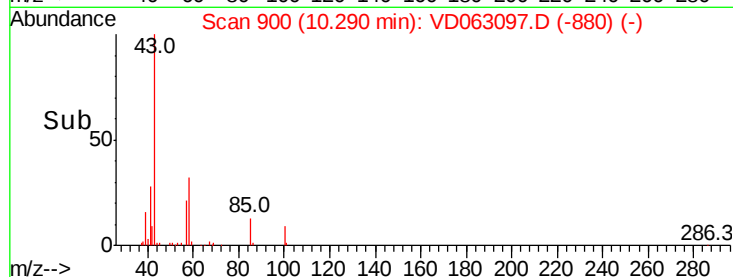
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 15.614 ug/l

RT: 10.50 min Scan# 921

Delta R.T. -0.00 min

Lab File: VD063097.D

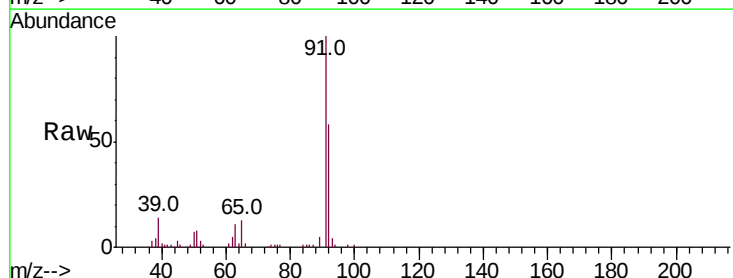
Acq: 16 Jul 2019 10:59

Tgt Ion: 92 Resp: 228667

Ion Ratio Lower Upper

92 100

91 173.3 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

200000

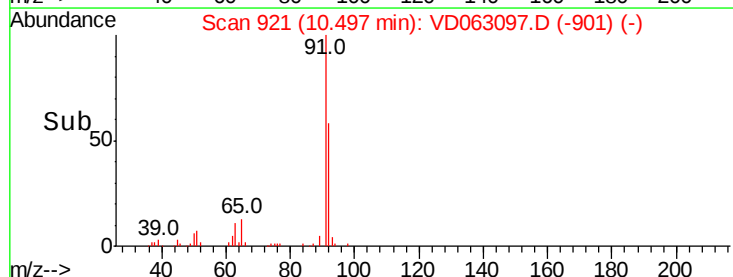
150000

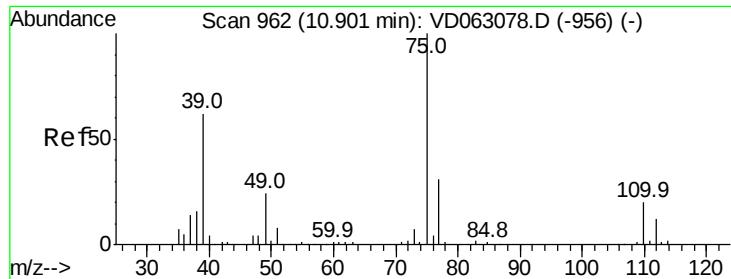
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 16.344 ug/l

RT: 10.90 min Scan# 962

Delta R.T. -0.00 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

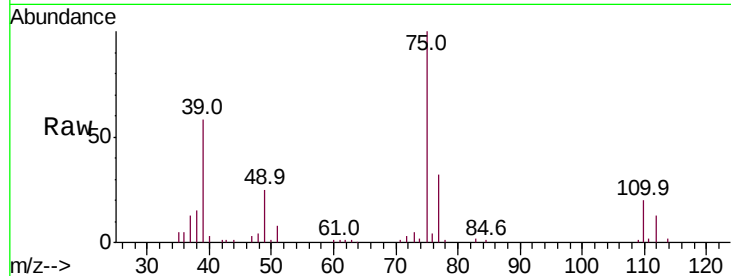
VD0716SBS01

Tot Ion: 75 Resp: 171689

Ion Ratio Lower Upper

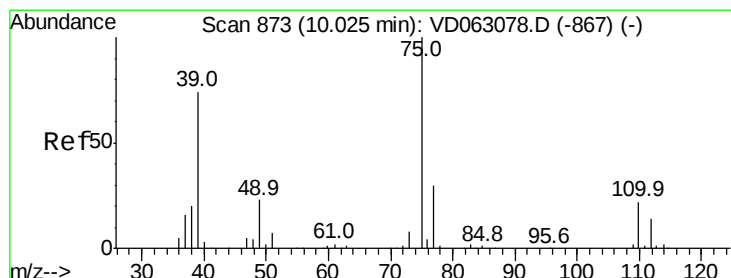
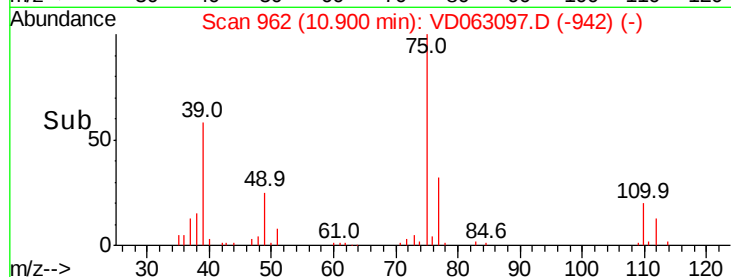
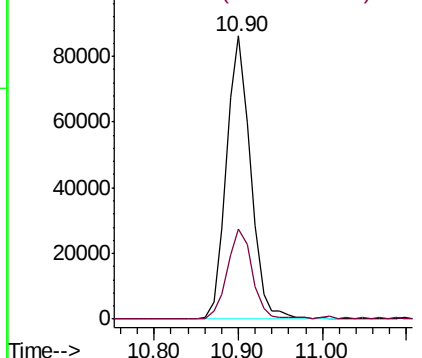
75 100

77 31.9 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: 16.807 ug/l

RT: 10.02 min Scan# 873

Delta R.T. -0.00 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

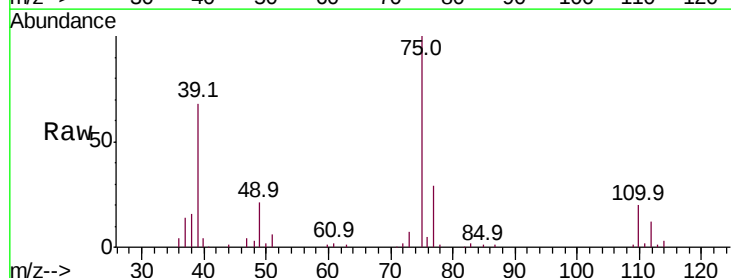
Tgt Ion: 75 Resp: 182554

Ion Ratio Lower Upper

75 100

77 28.8 23.9 35.9

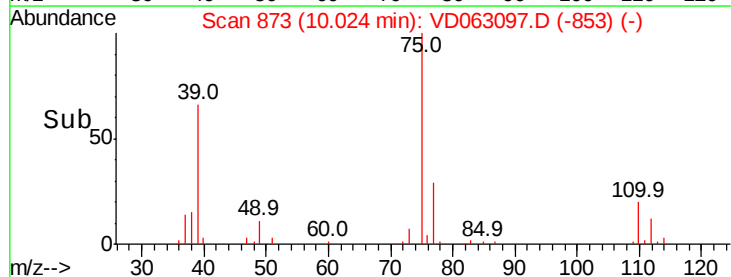
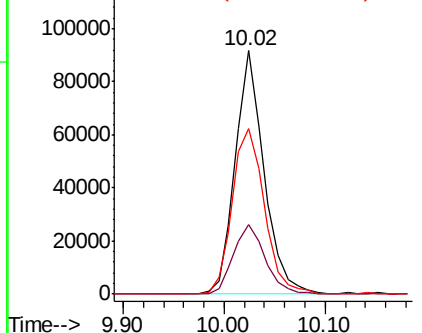
39 67.8 59.4 89.0

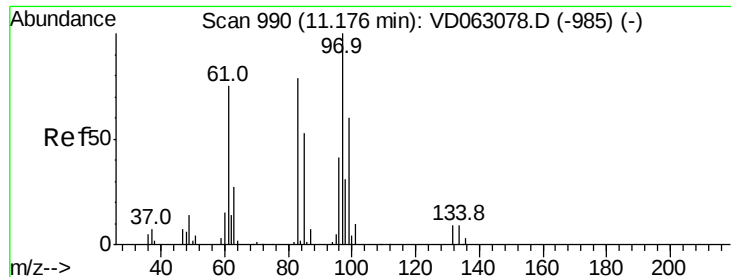


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

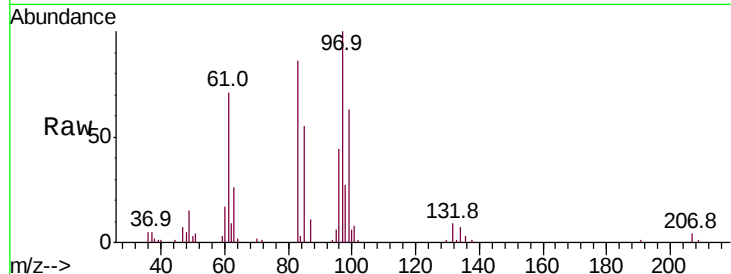




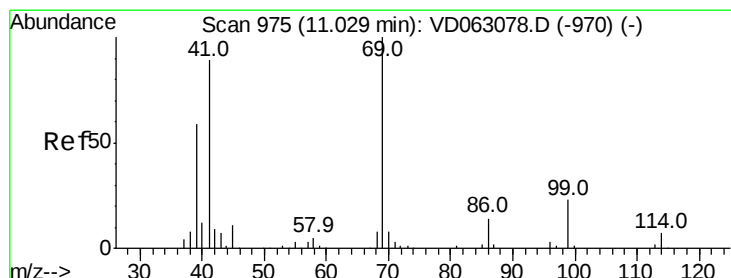
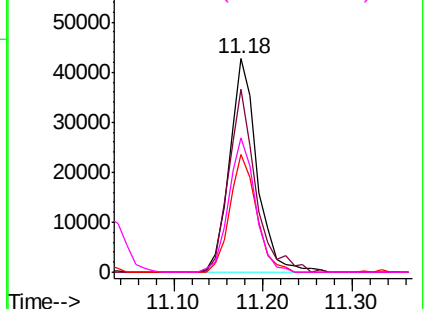
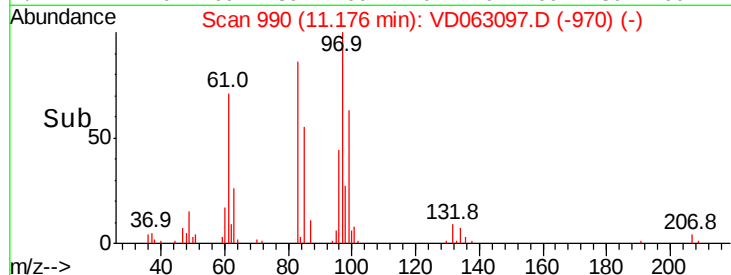
#55
1,1,2-Trichloroethane
Concen: 18.291 ug/l
RT: 11.18 min Scan# 990
Delta R.T. -0.00 min
Lab File: VD063097.D
Acq: 16 Jul 2019 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

Tot Ion: 97 Resp: 92573
Ion Ratio Lower Upper
97 100
83 85.5 63.2 94.8
85 55.3 42.0 63.0
99 62.9 48.3 72.5

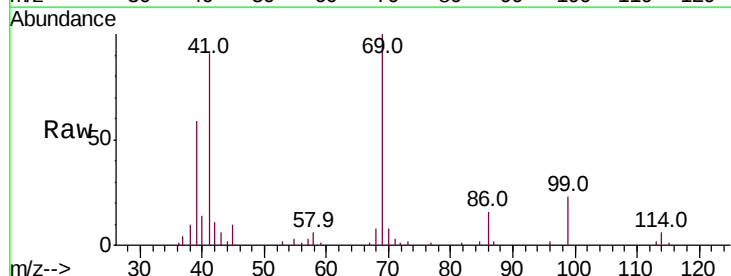


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

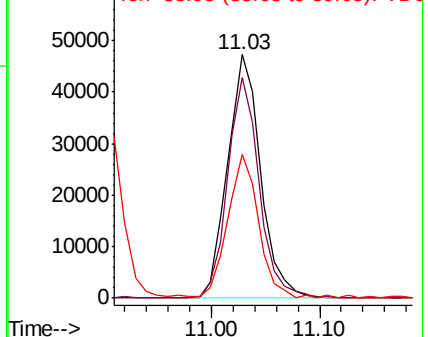
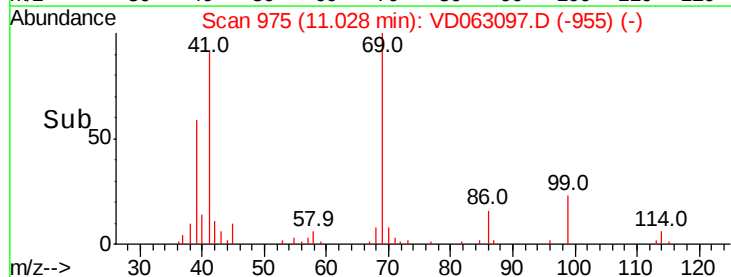


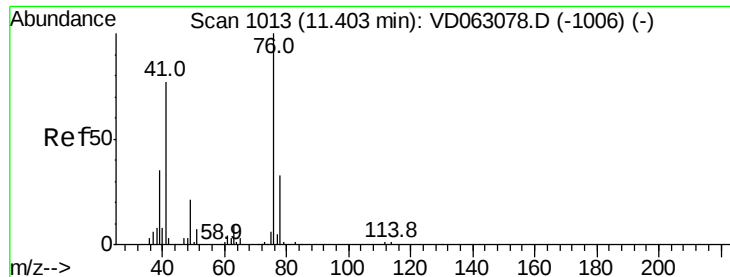
#56
Ethyl methacrylate
Concen: 17.669 ug/l
RT: 11.03 min Scan# 975
Delta R.T. -0.00 min
Lab File: VD063097.D
Acq: 16 Jul 2019 10:59

Tgt Ion: 69 Resp: 99915
Ion Ratio Lower Upper
69 100
41 90.6 71.0 106.4
39 58.8 47.7 71.5



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

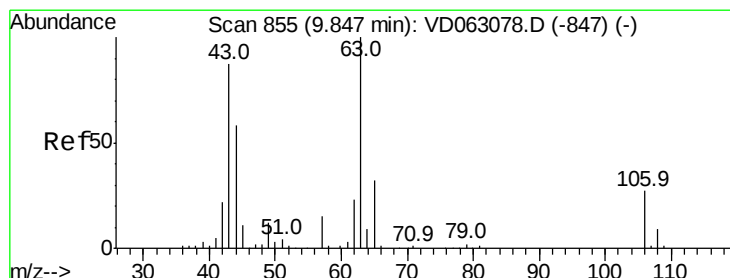
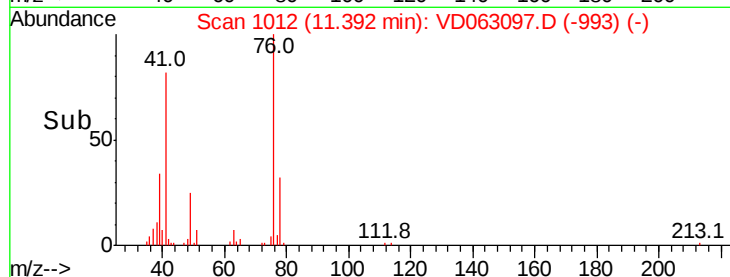
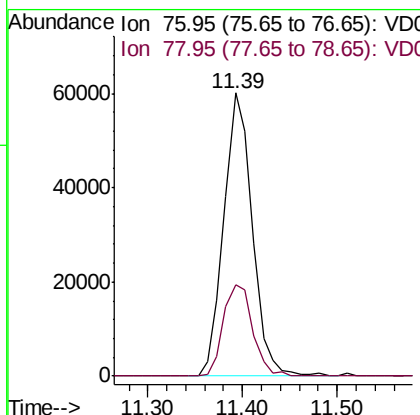
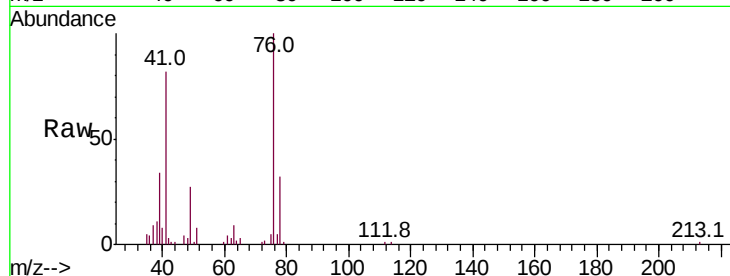




#57
 1,3-Dichloropropane
 Concen: 16.287 ug/l
 RT: 11.39 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VD063097.D
 Acq: 16 Jul 2019 10:59

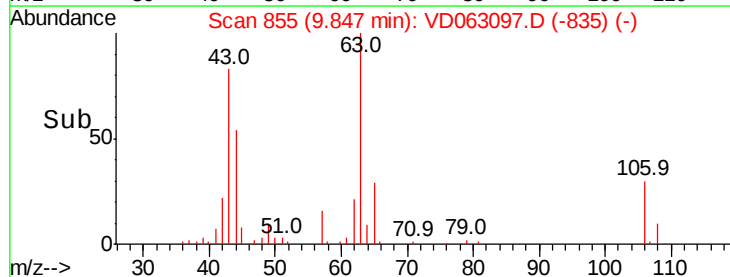
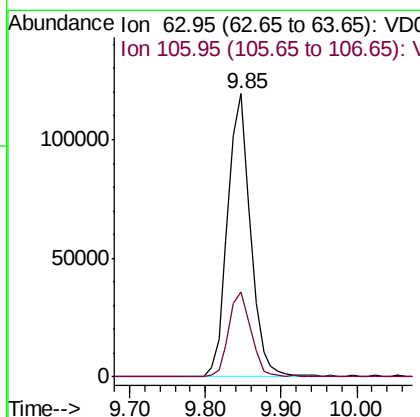
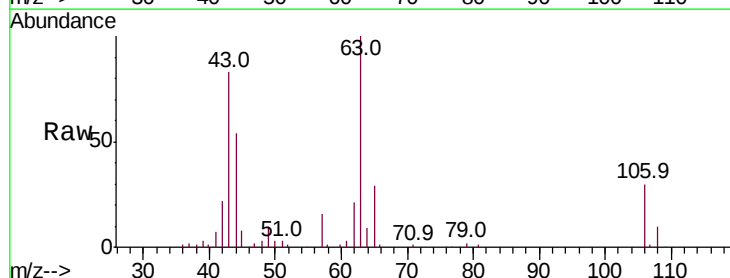
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

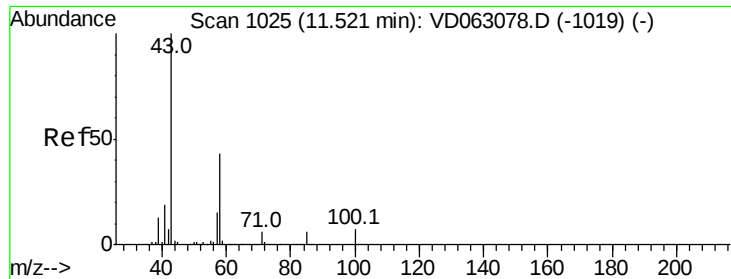
Tot Ion: 76 Resp: 125431
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 79.662 ug/l
 RT: 9.85 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VD063097.D
 Acq: 16 Jul 2019 10:59

Tgt Ion: 63 Resp: 250821
 Ion Ratio Lower Upper
 63 100
 106 29.9 21.3 31.9

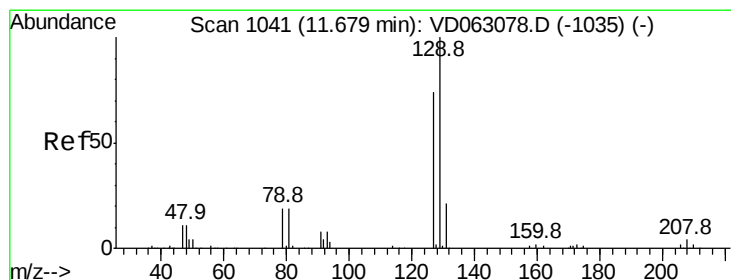
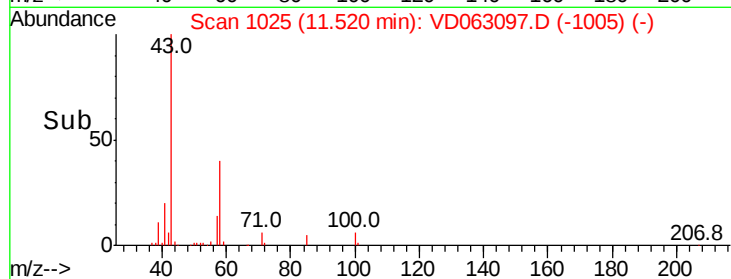
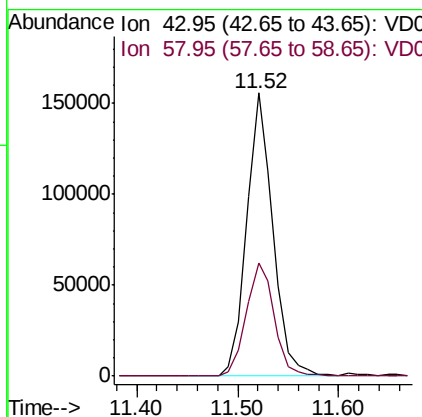
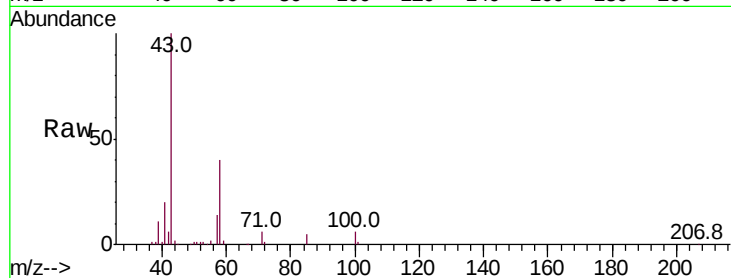




#59
2-Hexanone
Concen: 85.958 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. -0.00 min
Lab File: VD063097.D
Acq: 16 Jul 2019 10:59

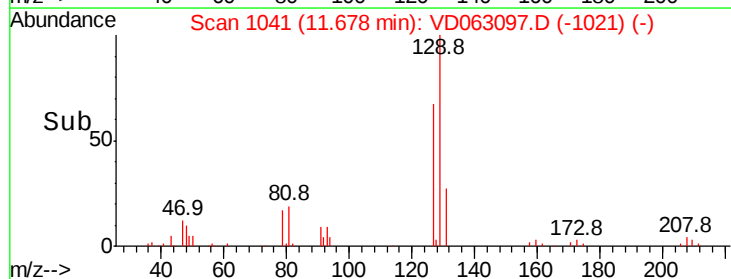
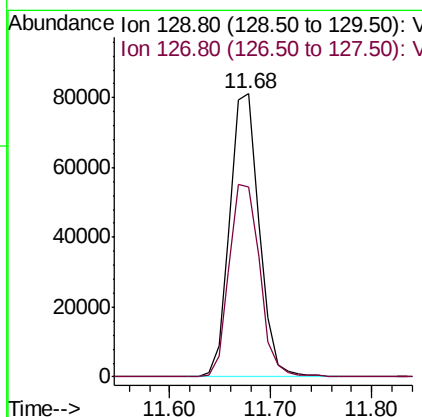
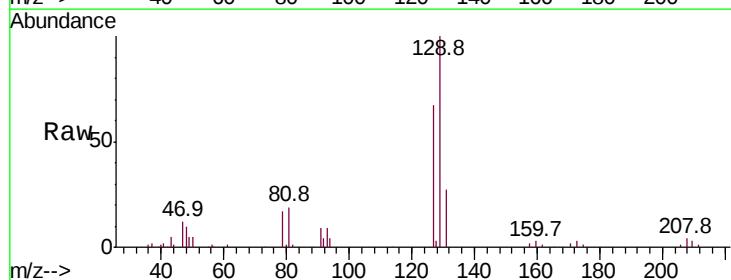
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

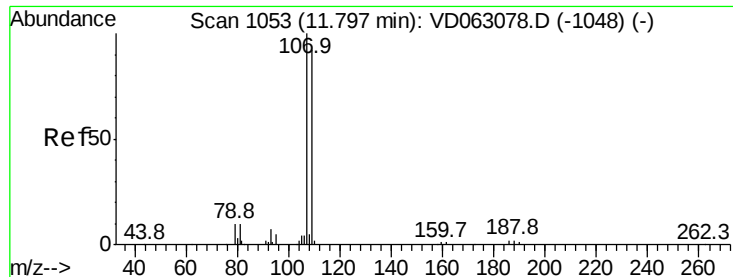
Tot Ion: 43 Resp: 282427
Ion Ratio Lower Upper
43 100
58 40.0 21.7 65.1



#60
Dibromochloromethane
Concen: 16.974 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VD063097.D
Acq: 16 Jul 2019 10:59

Tgt Ion: 129 Resp: 164676
Ion Ratio Lower Upper
129 100
127 66.9 37.0 110.9





#61

1,2-Dibromoethane

Concen: 17.070 ug/l

RT: 11.80 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

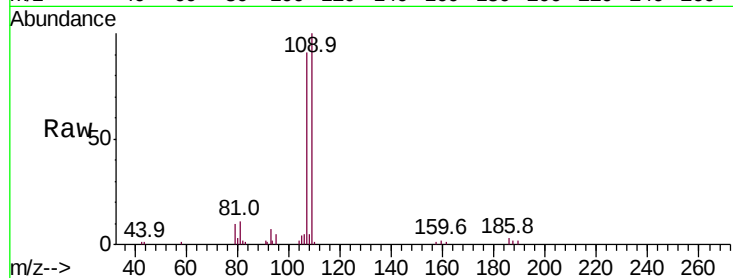
VD0716SBS01

Tot Ion:107 Resp: 103412

Ion Ratio Lower Upper

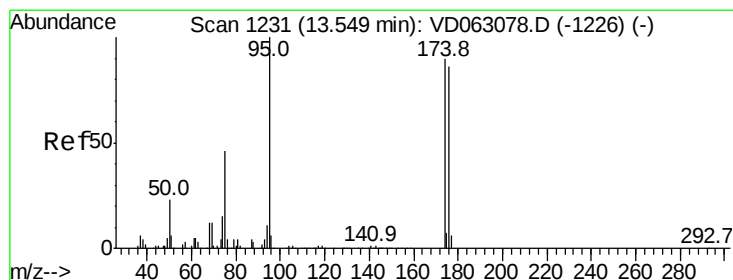
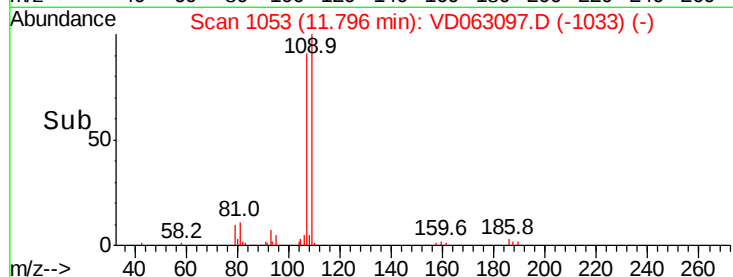
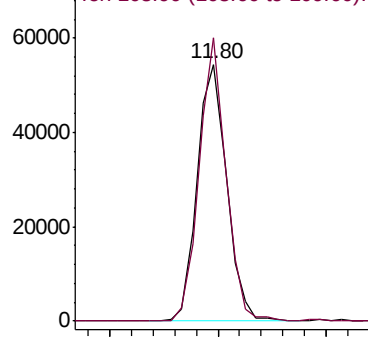
107 100

109 110.2 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: 46.962 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

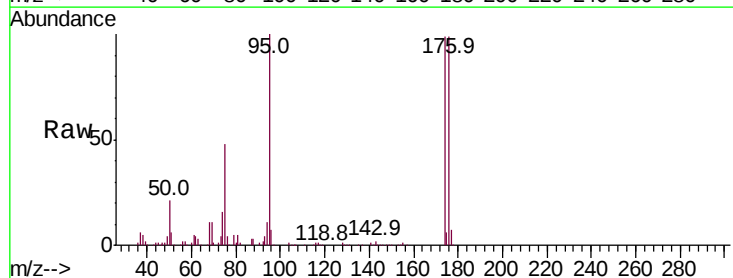
Tgt Ion: 95 Resp: 432772

Ion Ratio Lower Upper

95 100

174 99.0 0.0 180.6

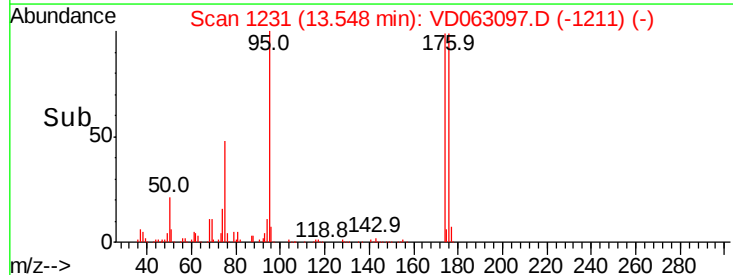
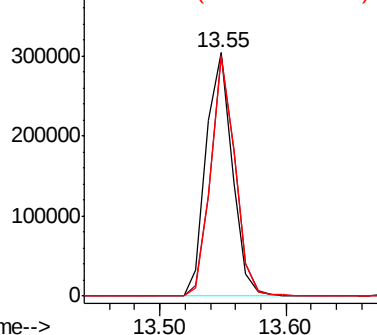
176 98.7 0.0 172.2

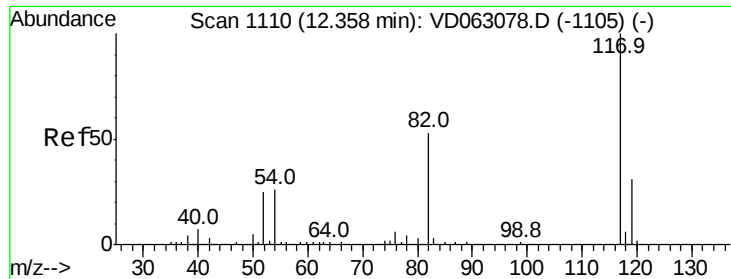


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

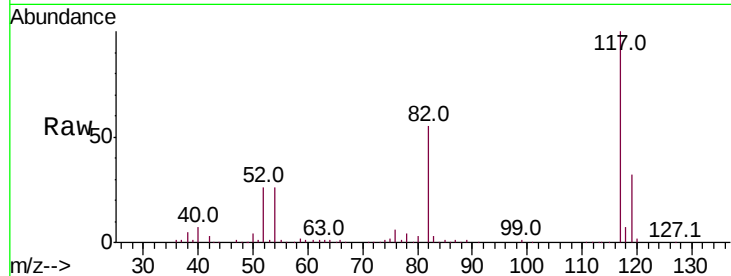




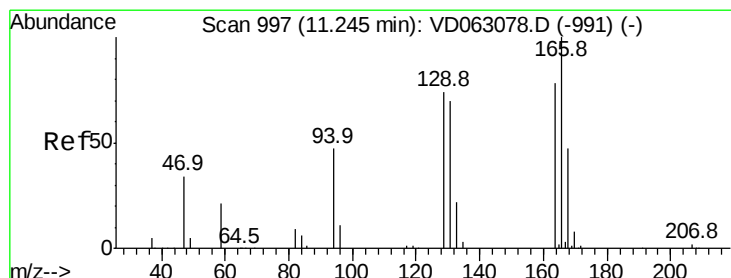
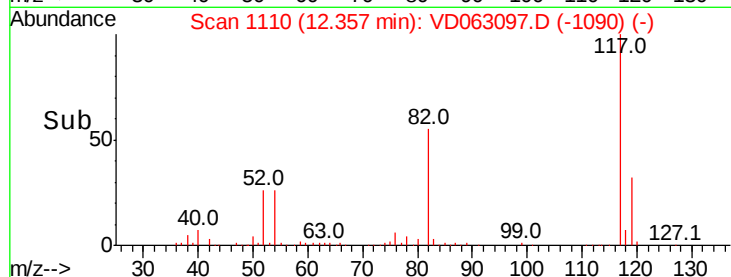
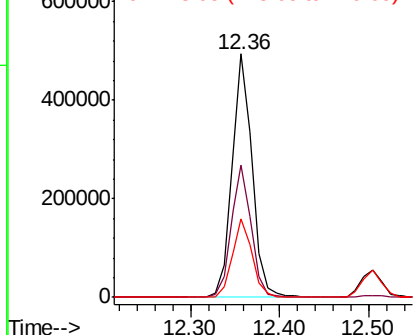
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD063097.D
Acq: 16 Jul 2019 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

Tot Ion:117 Resp: 784079
Ion Ratio Lower Upper
117 100
82 54.5 42.3 63.5
119 32.2 25.2 37.8

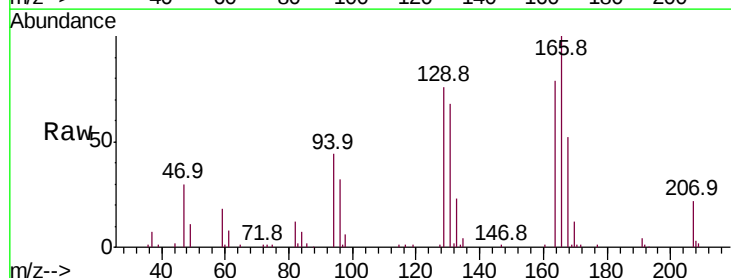


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

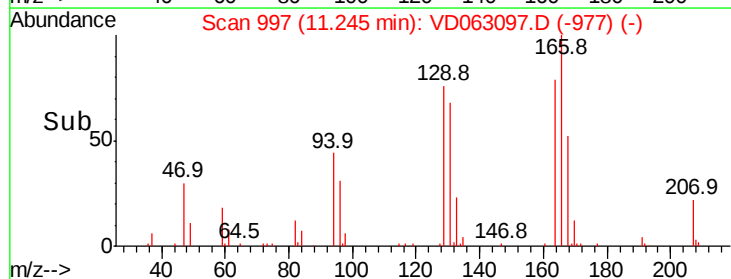
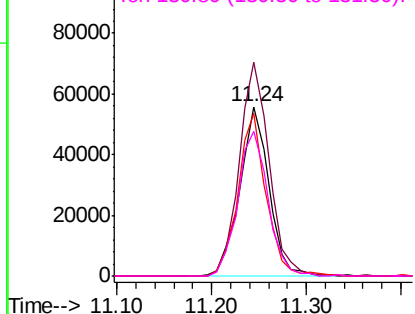


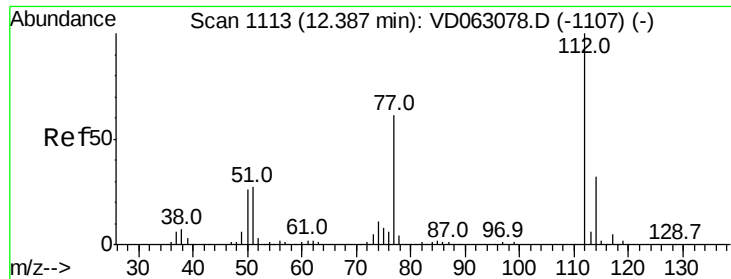
#64
Tetrachloroethene
Concen: 15.633 ug/l
RT: 11.24 min Scan# 997
Delta R.T. -0.00 min
Lab File: VD063097.D
Acq: 16 Jul 2019 10:59

Tgt Ion:164 Resp: 118936
Ion Ratio Lower Upper
164 100
166 126.1 102.8 154.2
129 95.8 76.4 114.6
131 85.6 71.7 107.5



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

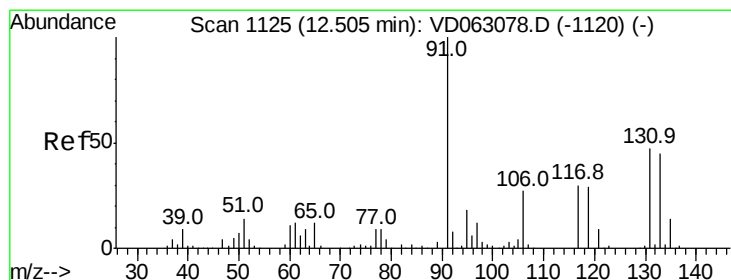
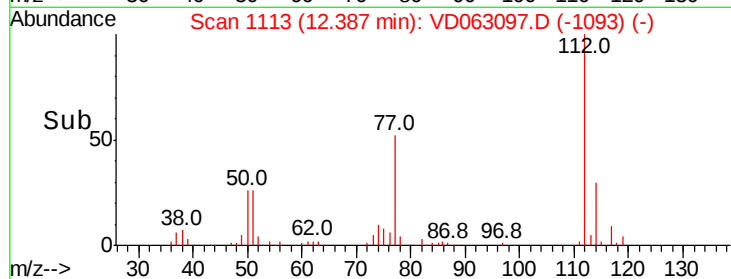
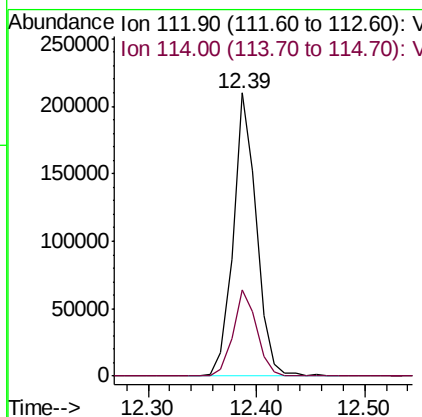
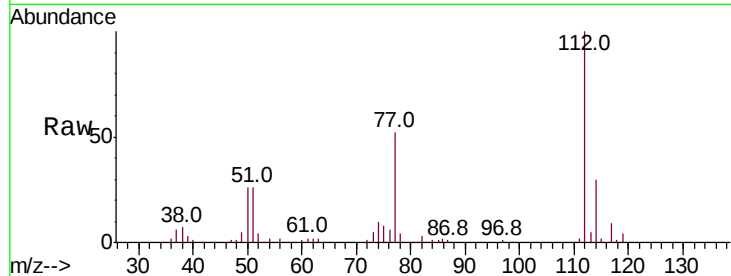




#65
Chlorobenzene
Concen: 16.906 ug/l
RT: 12.39 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VD063097.D
Acq: 16 Jul 2019 10:59

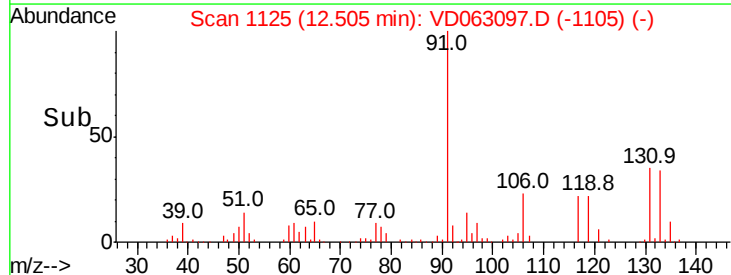
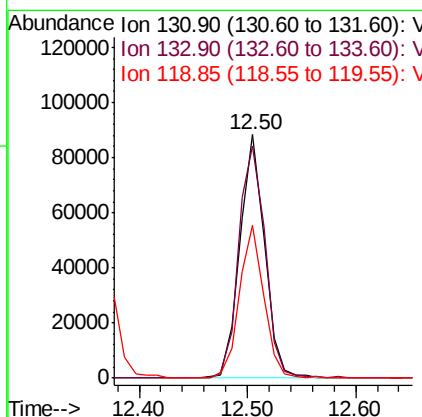
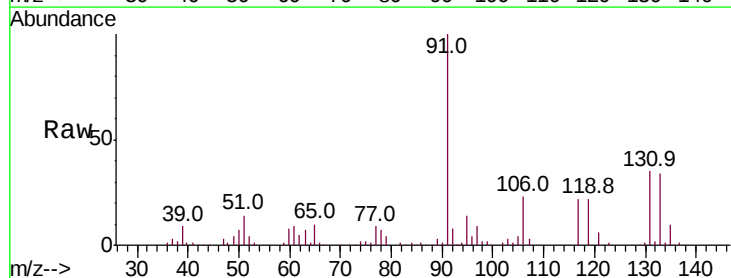
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

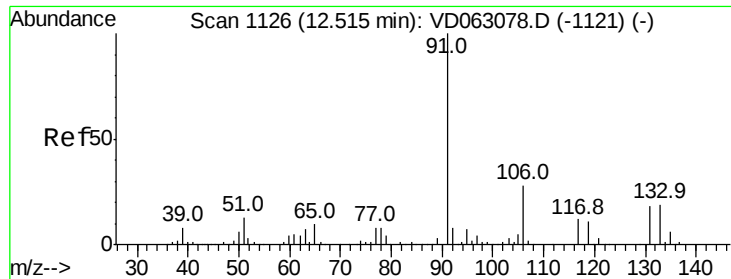
Tot Ion:112 Resp: 311605
Ion Ratio Lower Upper
112 100
114 30.3 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 16.450 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VD063097.D
Acq: 16 Jul 2019 10:59

Tgt Ion:131 Resp: 140570
Ion Ratio Lower Upper
131 100
133 95.3 48.5 145.6
119 62.7 30.8 92.3

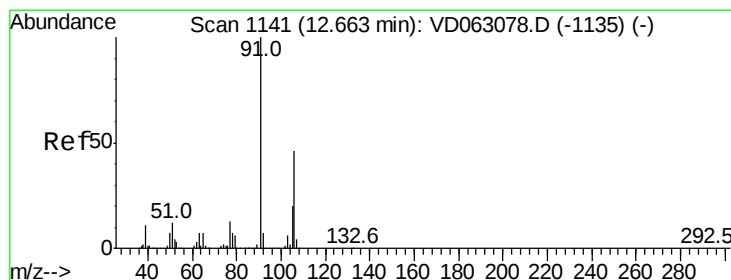
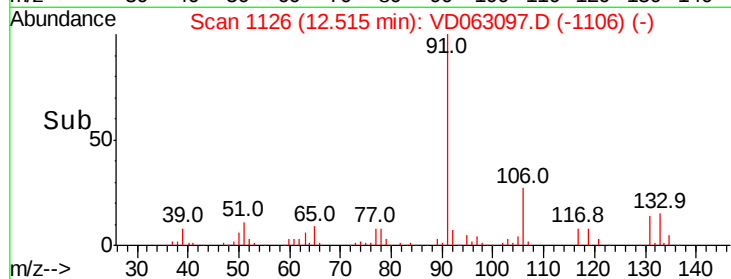
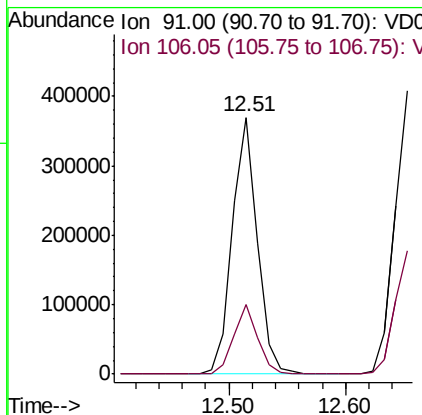
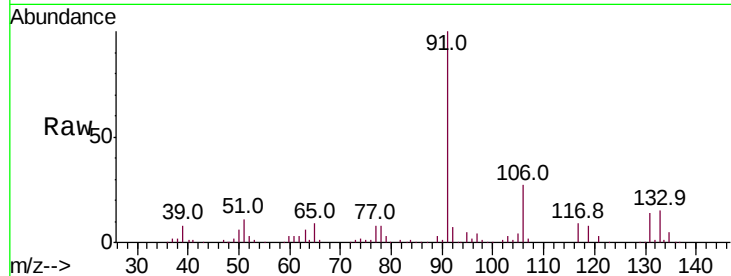




#67
Ethyl Benzene
Concen: 17.185 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD063097.D
Acq: 16 Jul 2019 10:59

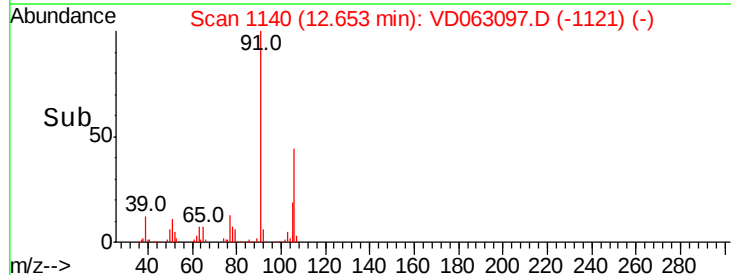
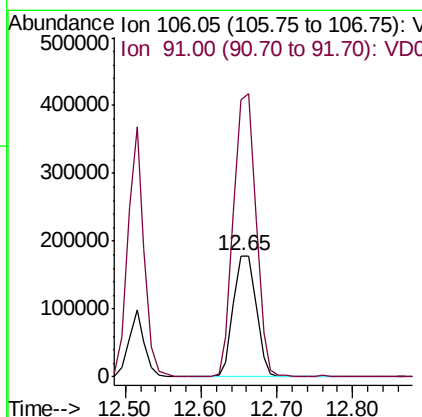
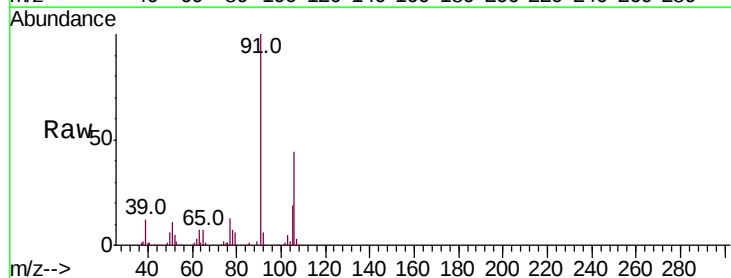
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

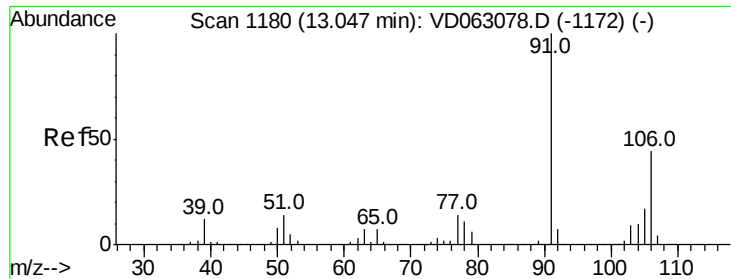
Tot Ion: 91 Resp: 550346
Ion Ratio Lower Upper
91 100
106 26.9 22.5 33.7



#68
m/p-Xylenes
Concen: 32.642 ug/l
RT: 12.65 min Scan# 1140
Delta R.T. -0.01 min
Lab File: VD063097.D
Acq: 16 Jul 2019 10:59

Tgt Ion: 106 Resp: 374418
Ion Ratio Lower Upper
106 100
91 228.3 173.0 259.6

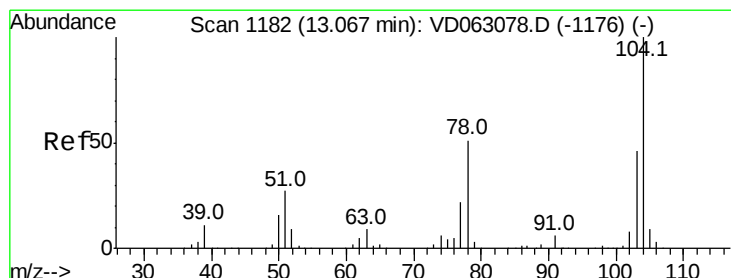
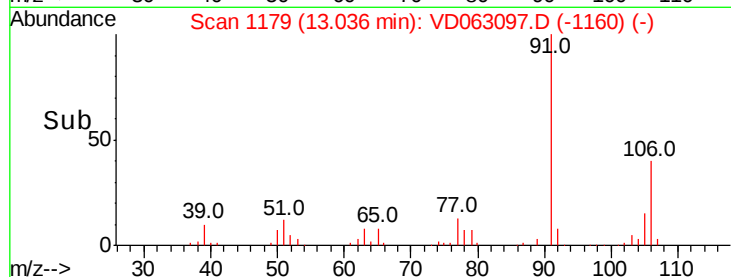
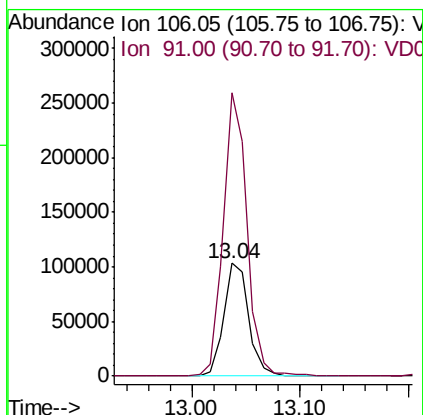
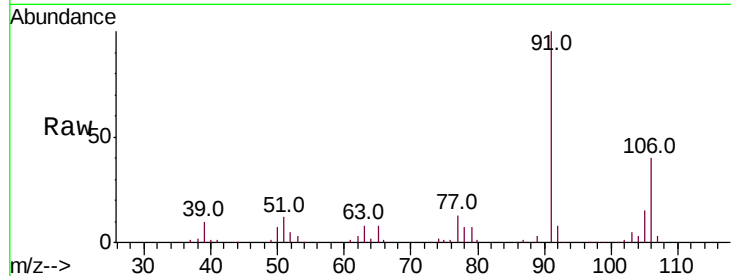




#69
o-Xylene
Concen: 15.202 ug/l
RT: 13.04 min Scan# 1179
Delta R.T. -0.01 min
Lab File: VD063097.D
Acq: 16 Jul 2019 10:59

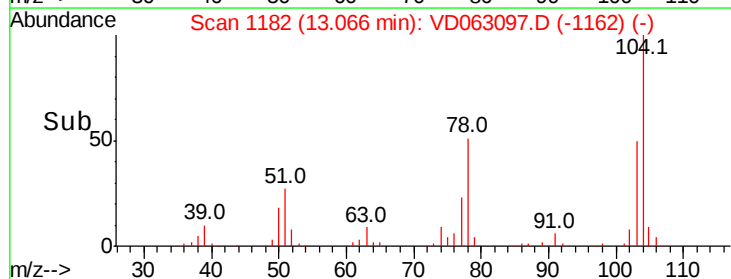
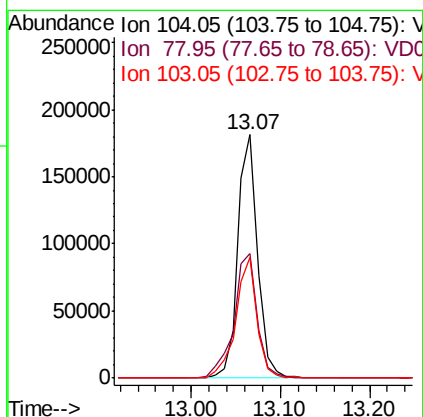
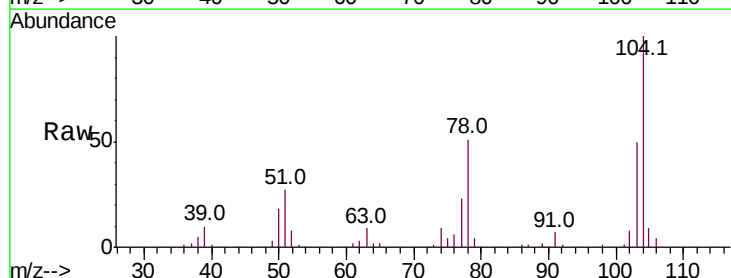
Instrument :
MSVOA_D
ClientSampleID :
VD0716SBS01

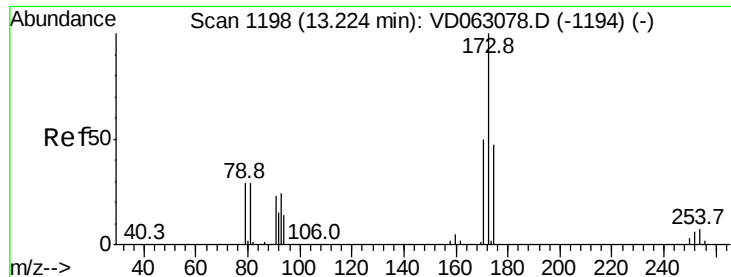
Tot Ion:106 Resp: 165345
Ion Ratio Lower Upper
106 100
91 251.0 114.9 344.7



#70
Styrene
Concen: 14.796 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD063097.D
Acq: 16 Jul 2019 10:59

Tgt Ion:104 Resp: 281688
Ion Ratio Lower Upper
104 100
78 50.9 41.1 61.7
103 49.5 37.0 55.6





#71

Bromoform

Concen: 17.737 ug/l

RT: 13.22 min Scan# 1198

Delta R.T. -0.00 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

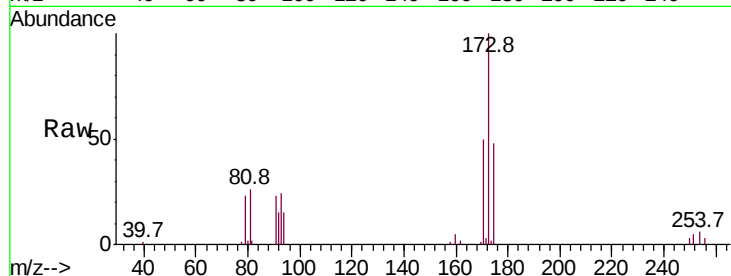
Tot Ion:173 Resp: 106111

Ion Ratio Lower Upper

173 100

175 47.8 23.4 70.2

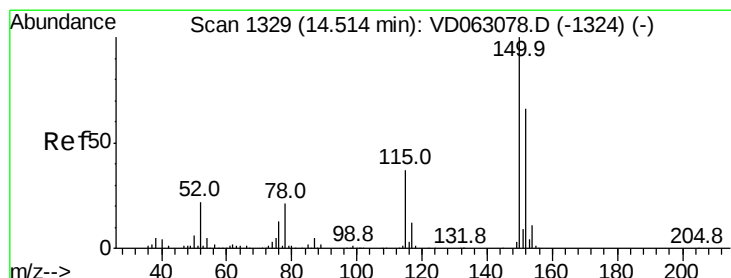
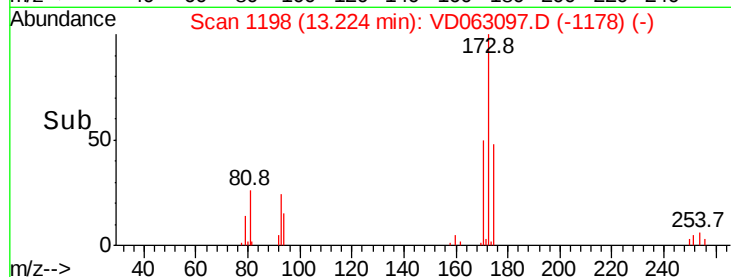
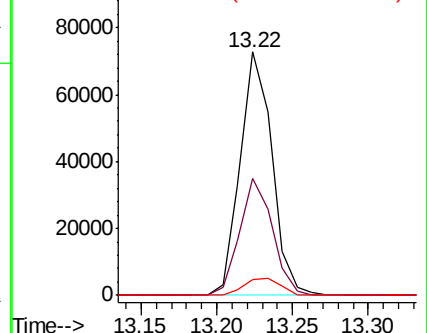
254 6.5 5.4 8.0



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: 14.51 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

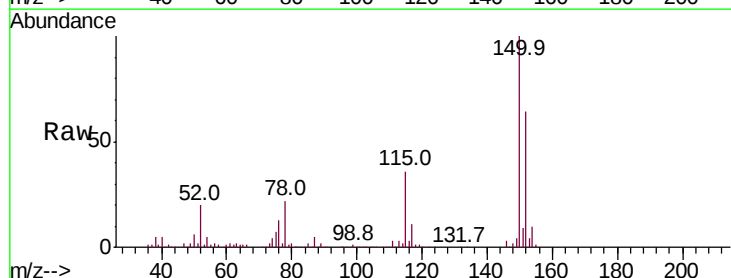
Tgt Ion:152 Resp: 479401

Ion Ratio Lower Upper

152 100

115 55.2 28.9 86.8

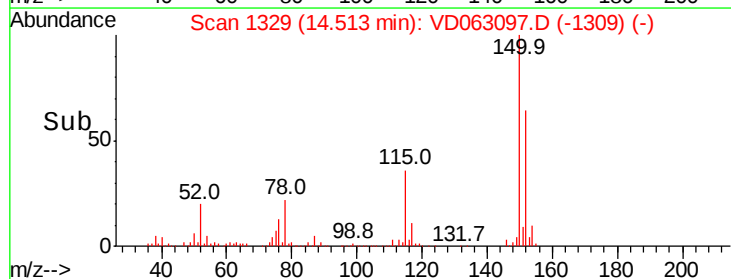
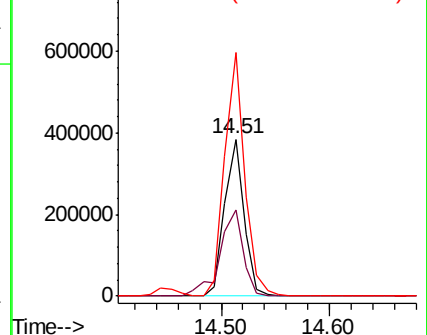
150 155.4 0.0 313.8

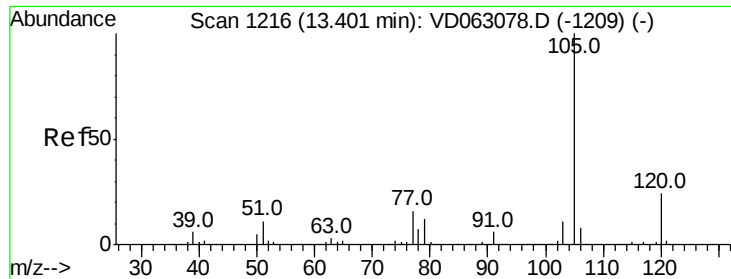


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 14.497 ug/l

RT: 13.39 min Scan# 1215

Delta R.T. -0.01 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

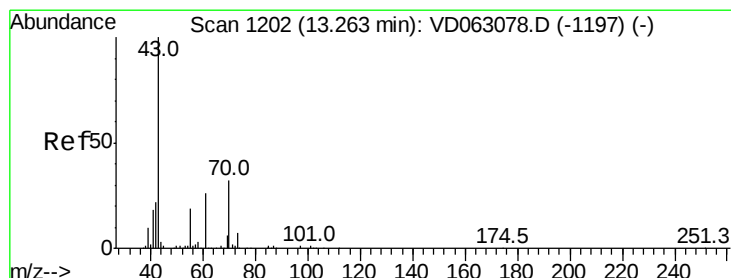
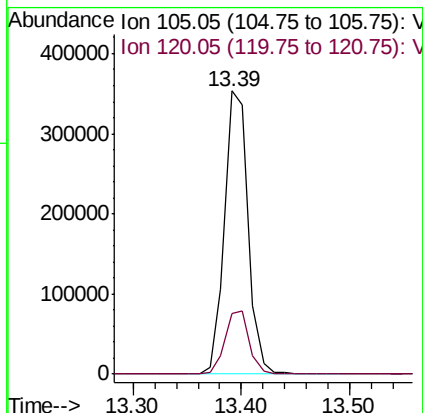
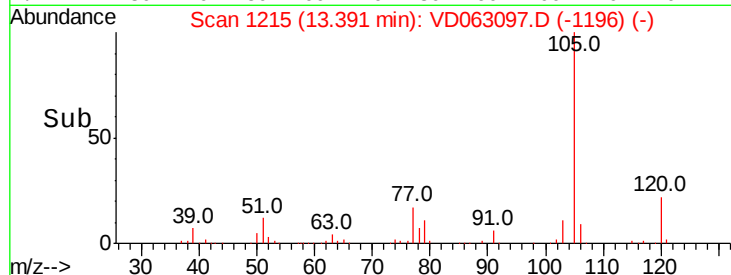
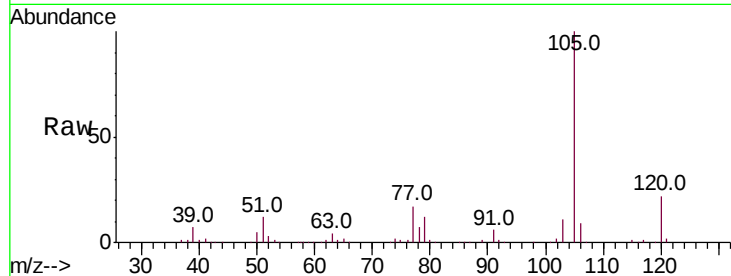
VD0716SBS01

Tot Ion:105 Resp: 536736

Ion Ratio Lower Upper

105 100

120 21.6 12.2 36.4



#74

N-ethyl acetate

Concen: 15.045 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

Tgt Ion: 43 Resp: 155339

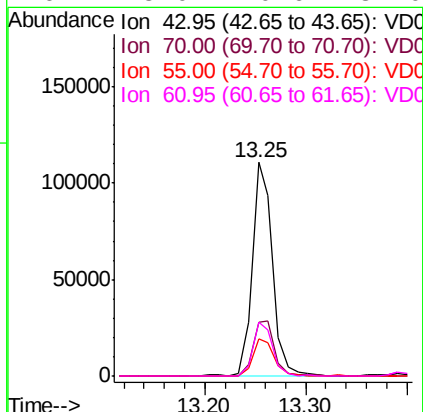
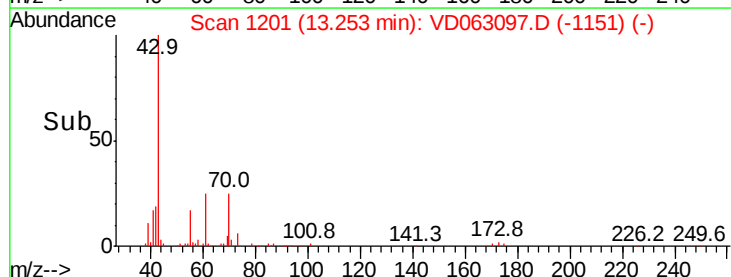
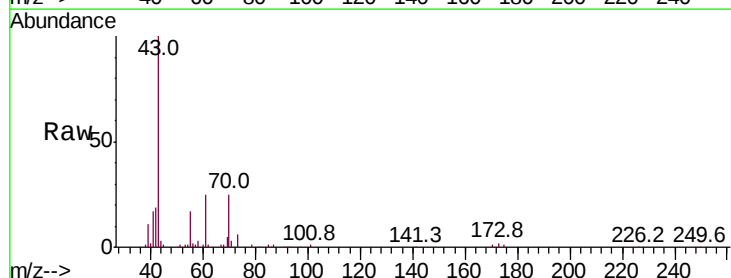
Ion Ratio Lower Upper

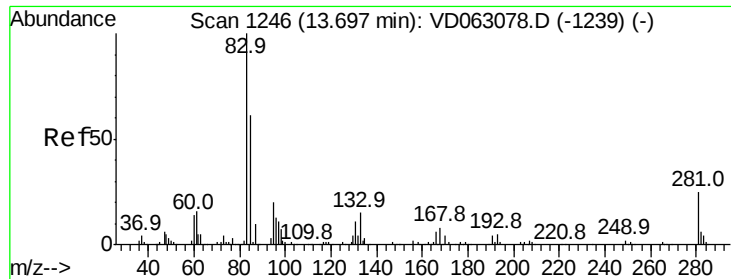
43 100

70 25.3 25.5 38.3#

55 17.1 15.4 23.0

61 25.0 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 15.266 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

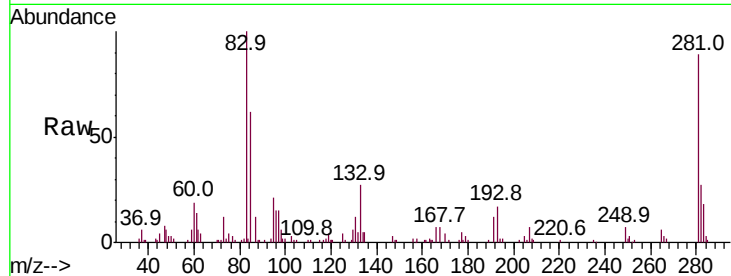
Tot Ion: 83 Resp: 102835

Ion Ratio Lower Upper

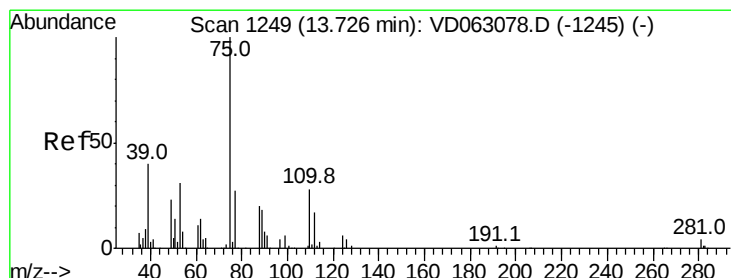
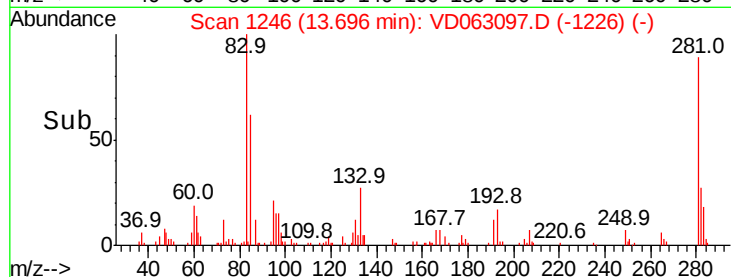
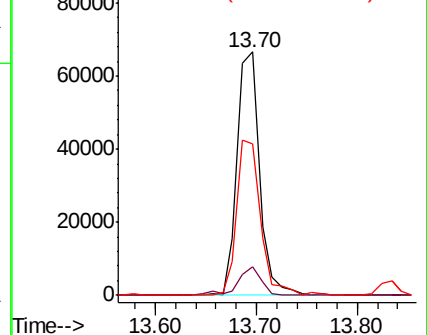
83 100

131 11.5 5.5 16.7

85 62.2 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: 15.374 ug/l

RT: 13.73 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VD063097.D

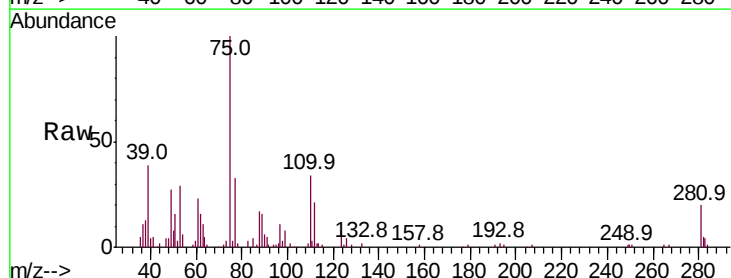
Acq: 16 Jul 2019 10:59

Tgt Ion: 75 Resp: 113379

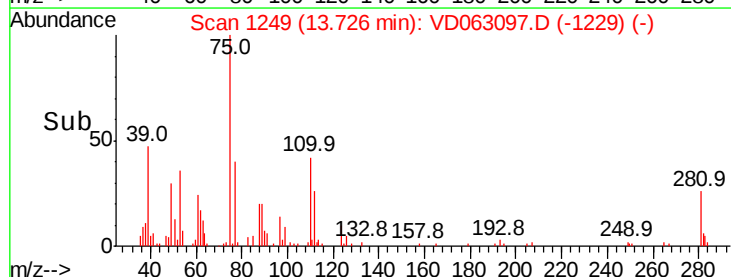
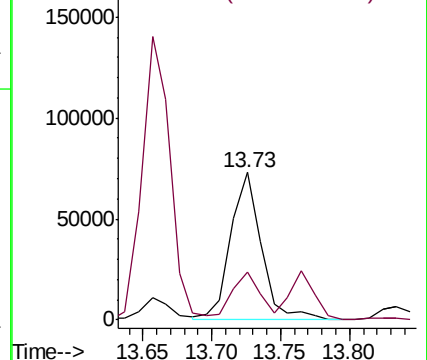
Ion Ratio Lower Upper

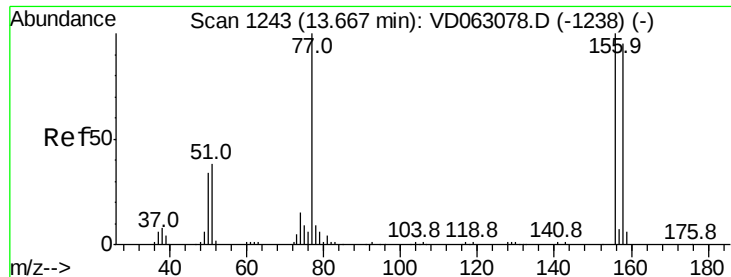
75 100

77 32.7 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: 15.166 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

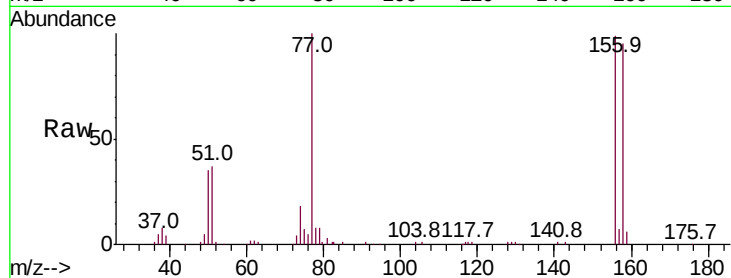
Tot Ion:156 Resp: 159223

Ion Ratio Lower Upper

156 100

77 101.4 50.2 150.7

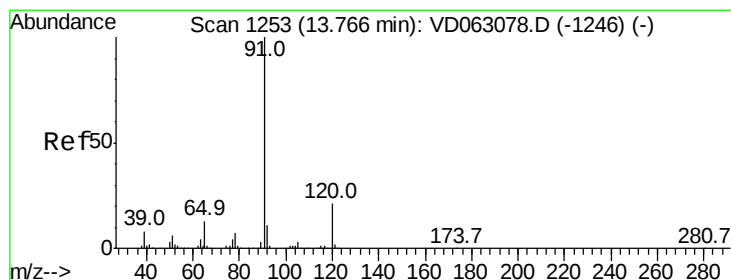
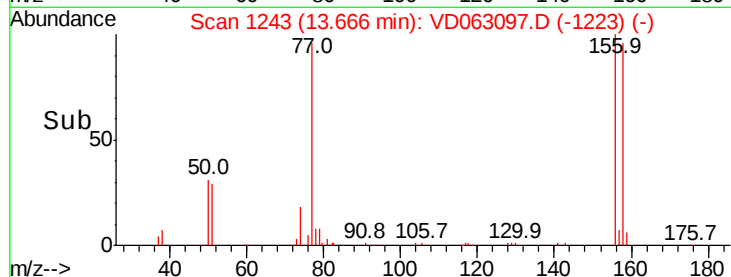
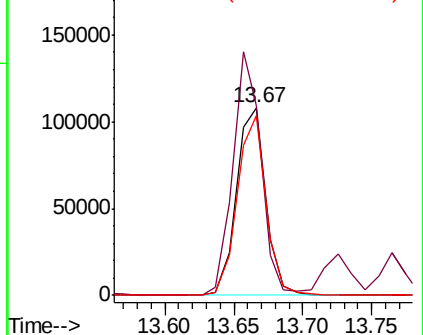
158 96.1 47.6 142.9



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: 16.425 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VD063097.D

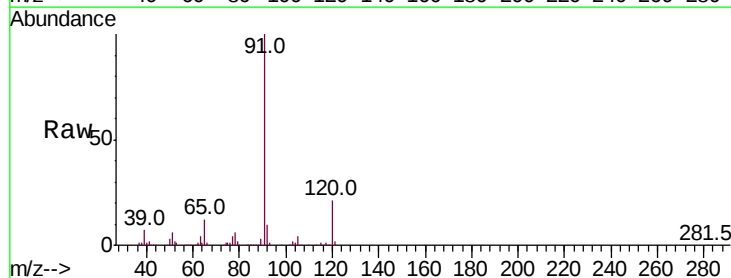
Acq: 16 Jul 2019 10:59

Tgt Ion: 91 Resp: 699805

Ion Ratio Lower Upper

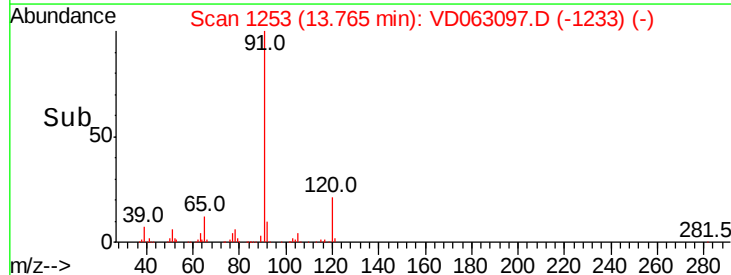
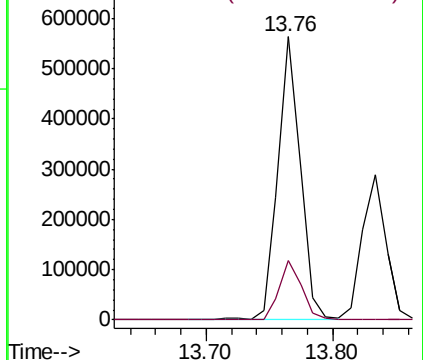
91 100

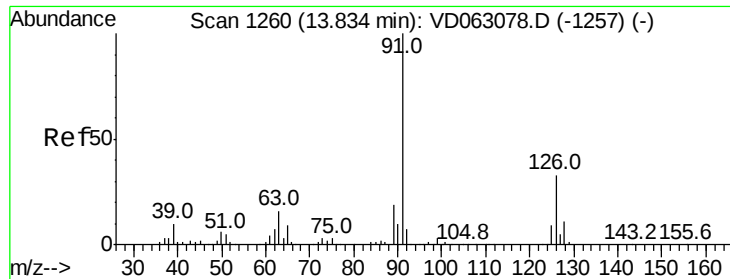
120 20.8 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

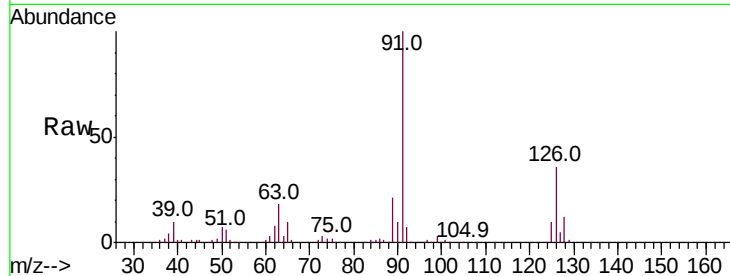




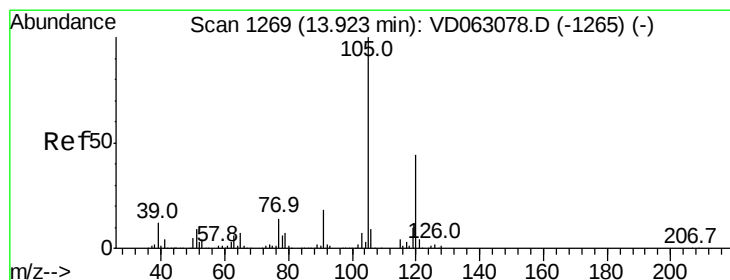
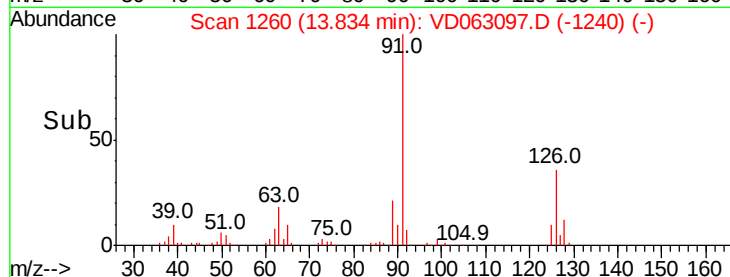
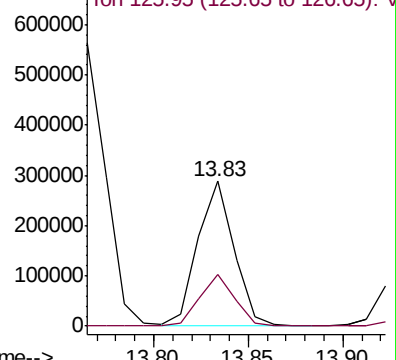
#79
2-Chlorotoluene
Concen: 14.750 ug/l
RT: 13.83 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VD063097.D
Acq: 16 Jul 2019 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

Tot Ion: 91 Resp: 379956
Ion Ratio Lower Upper
91 100
126 36.0 16.4 49.2

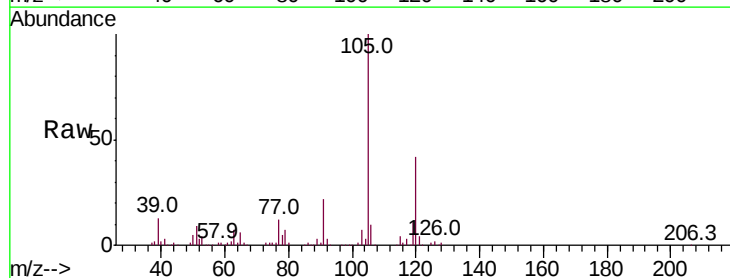


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

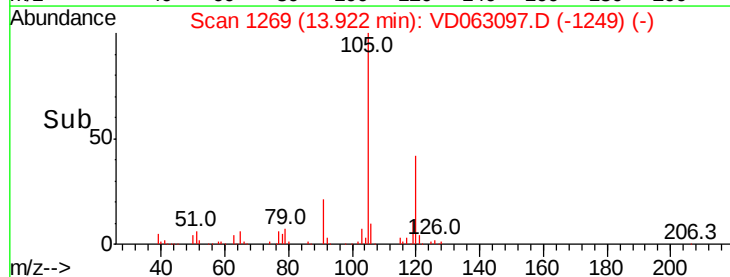
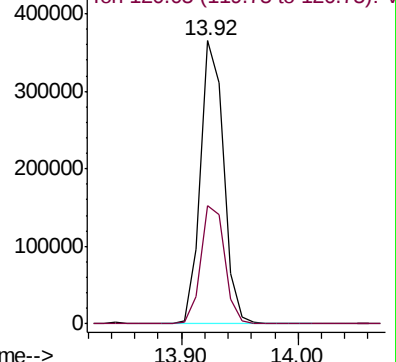


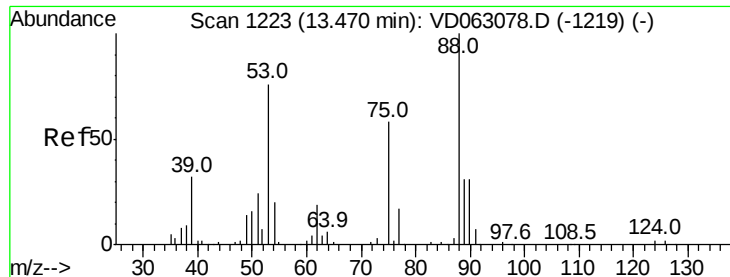
#80
1,3,5-Trimethylbenzene
Concen: 15.667 ug/l
RT: 13.92 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VD063097.D
Acq: 16 Jul 2019 10:59

Tgt Ion: 105 Resp: 505534
Ion Ratio Lower Upper
105 100
120 41.8 21.8 65.4



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





#81

trans-1,4-Dichloro-2-butene

Concen: 13.710 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

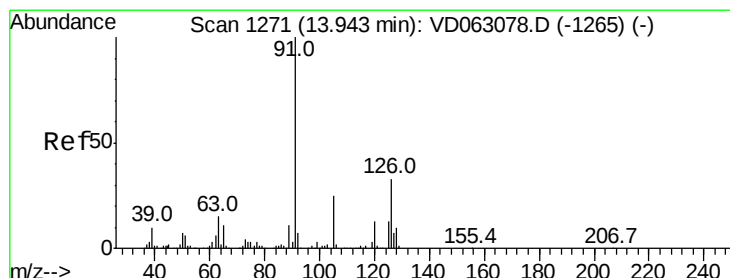
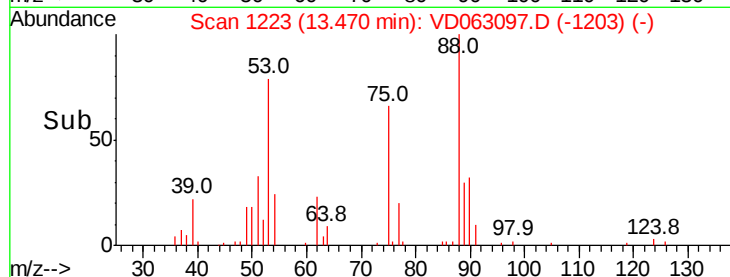
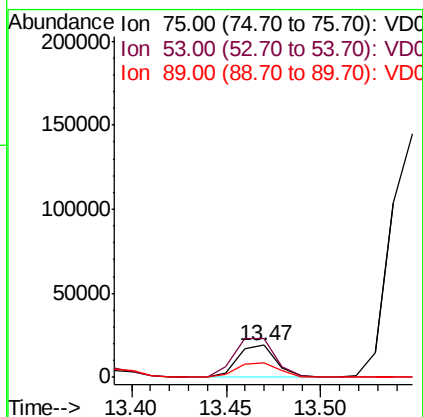
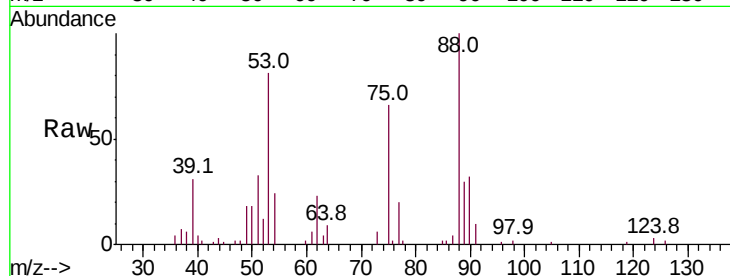
Tot Ion: 75 Resp: 26625

Ion Ratio Lower Upper

75 100

53 123.0 104.4 156.6

89 45.6 43.1 64.7



#82

4-Chlorotoluene

Concen: 16.113 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD063097.D

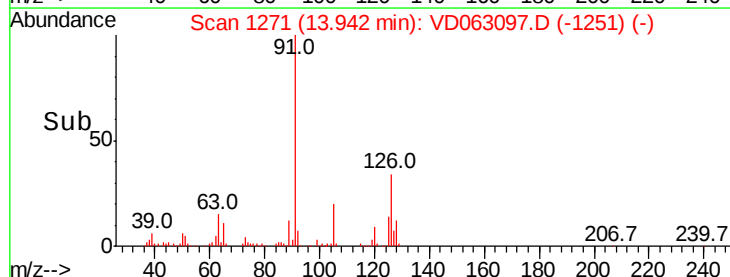
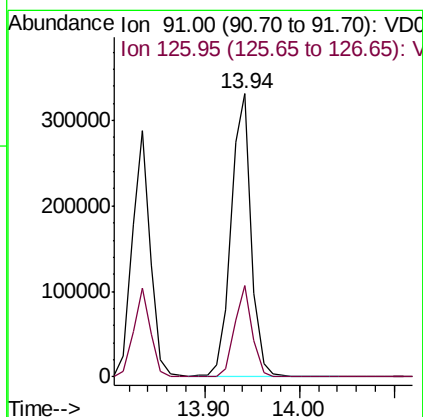
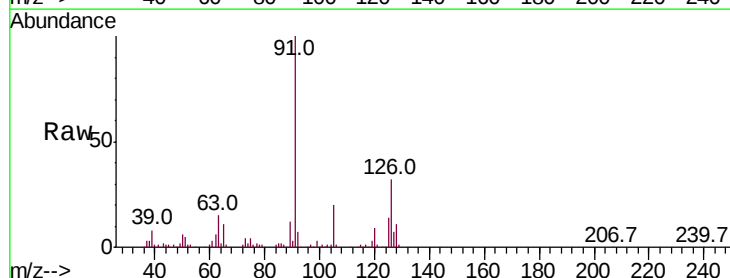
Acq: 16 Jul 2019 10:59

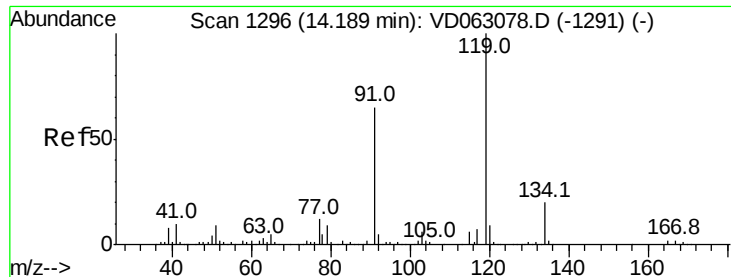
Tgt Ion: 91 Resp: 484695

Ion Ratio Lower Upper

91 100

126 32.3 16.7 50.1

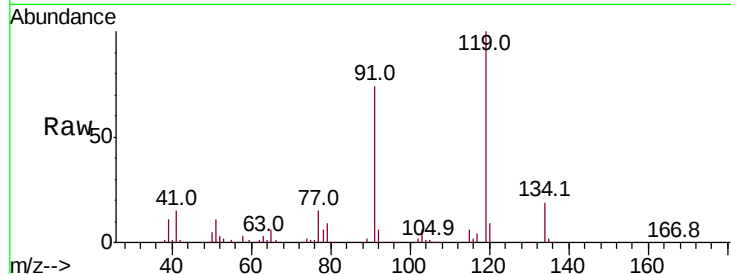




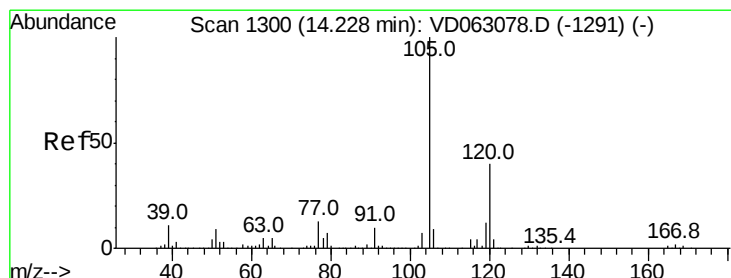
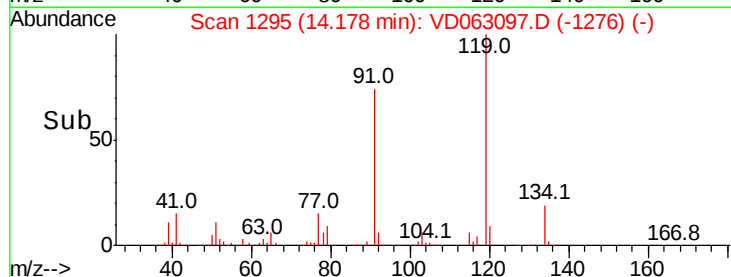
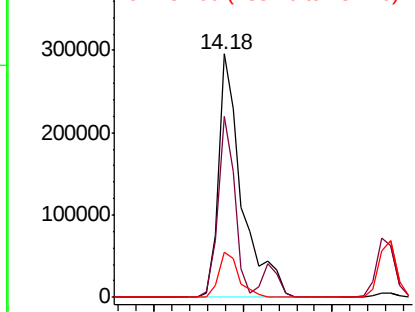
#83
tert-Butylbenzene
Concen: 14.844 ug/l
RT: 14.18 min Scan# 1295
Delta R.T. -0.01 min
Lab File: VD063097.D
Acq: 16 Jul 2019 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

Tot Ion:119 Resp: 541585
Ion Ratio Lower Upper
119 100
91 74.1 32.4 97.2
134 18.8 10.2 30.6

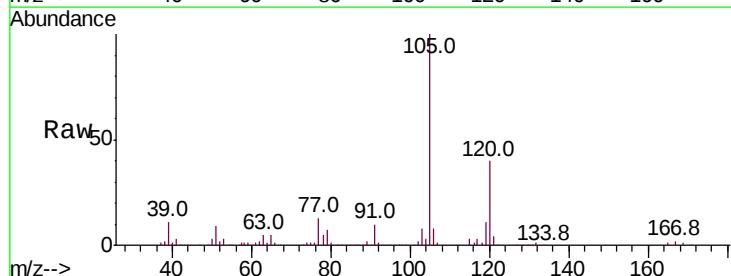


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

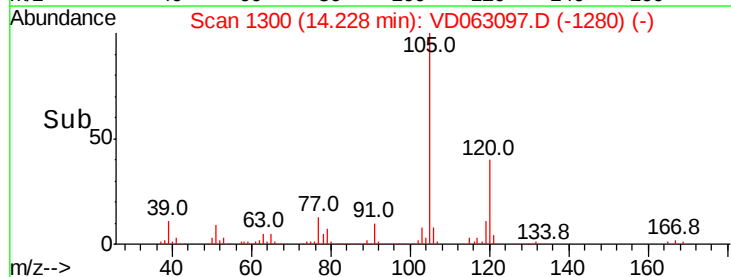
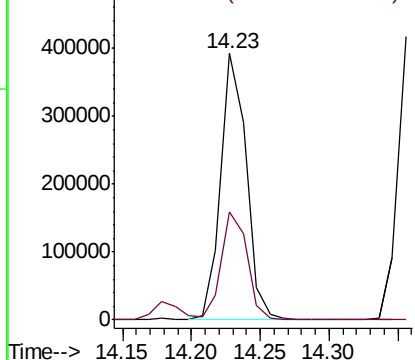


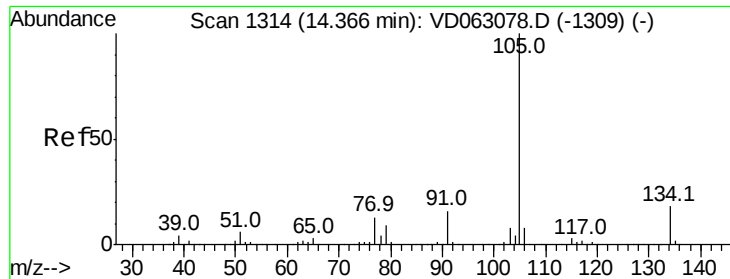
#84
1,2,4-Trimethylbenzene
Concen: 15.662 ug/l
RT: 14.23 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VD063097.D
Acq: 16 Jul 2019 10:59

Tgt Ion:105 Resp: 503819
Ion Ratio Lower Upper
105 100
120 40.3 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: 15.565 ug/l

RT: 14.36 min Scan# 1313

Delta R.T. -0.01 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

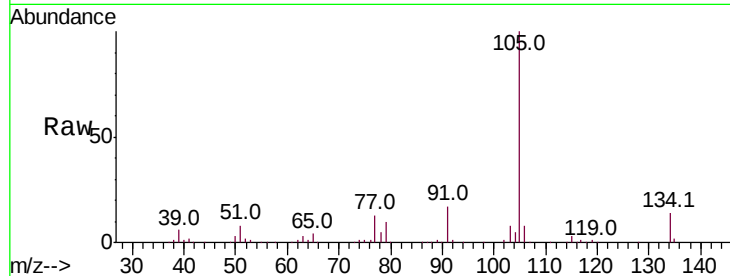
VD0716SBS01

Tot Ion:105 Resp: 603364

Ion Ratio Lower Upper

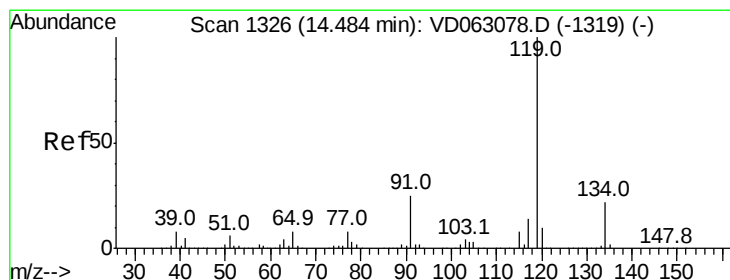
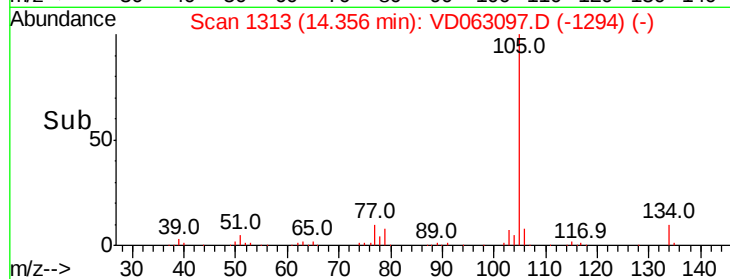
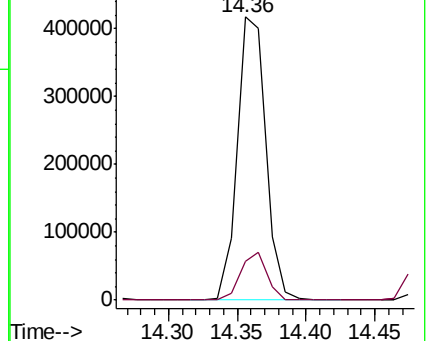
105 100

134 13.7 8.9 26.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 15.395 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.00 min

Lab File: VD063097.D

Acq: 16 Jul 2019 10:59

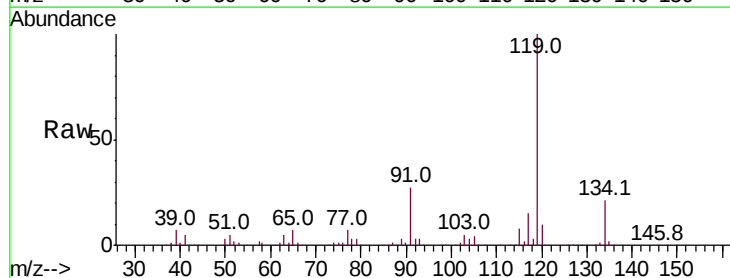
Tgt Ion:119 Resp: 556709

Ion Ratio Lower Upper

119 100

134 21.3 10.8 32.4

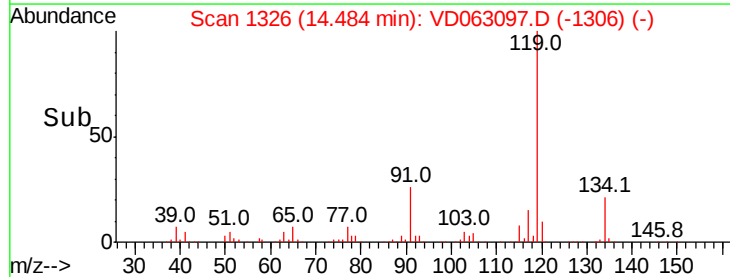
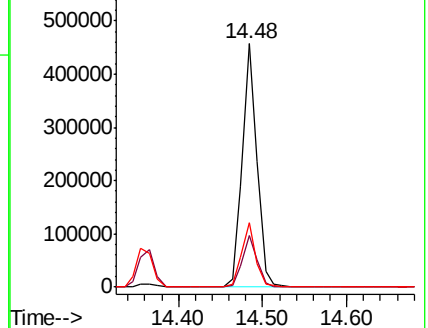
91 26.5 12.5 37.5

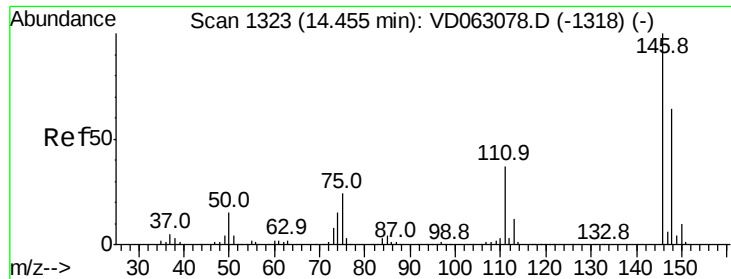


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

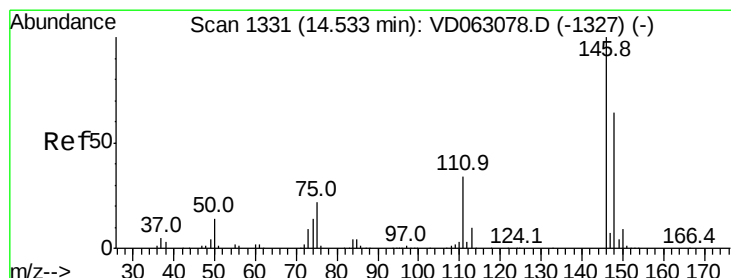
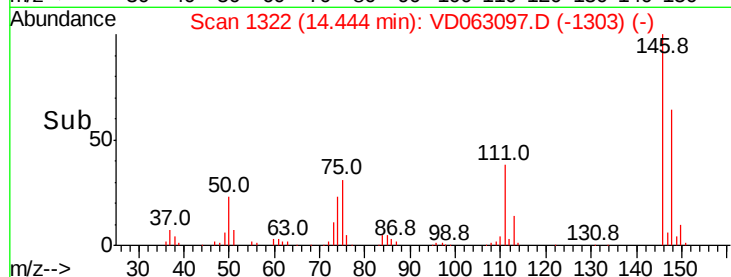
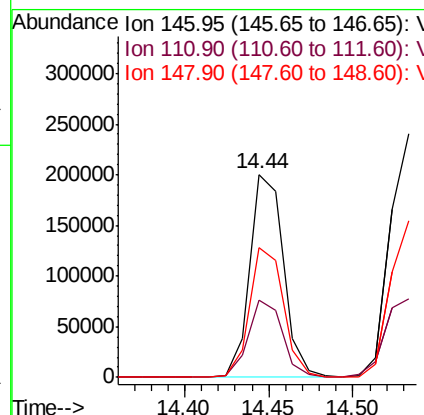
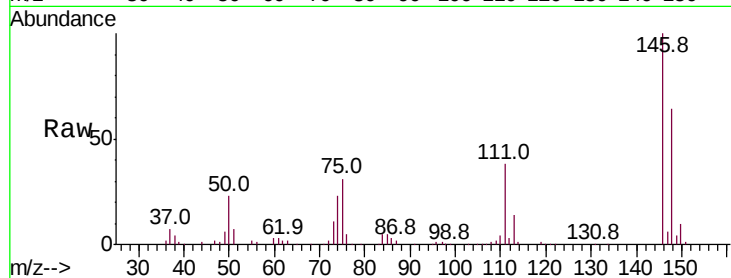




#87
 1,3-Dichlorobenzene
 Concen: 14.930 ug/l
 RT: 14.44 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VD063097.D
 Acq: 16 Jul 2019 10:59

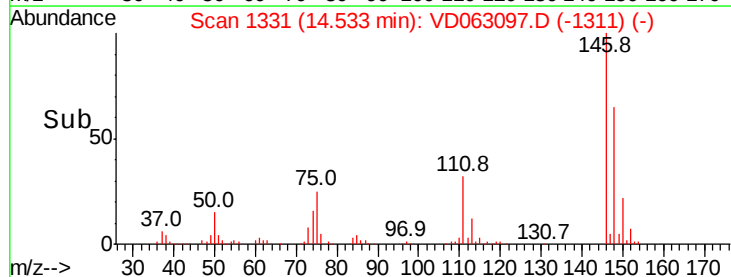
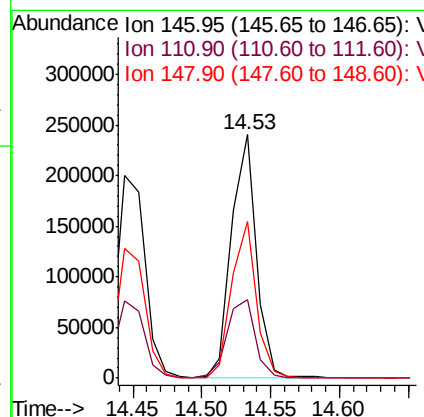
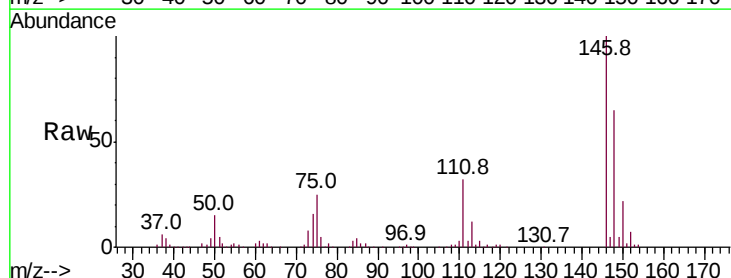
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

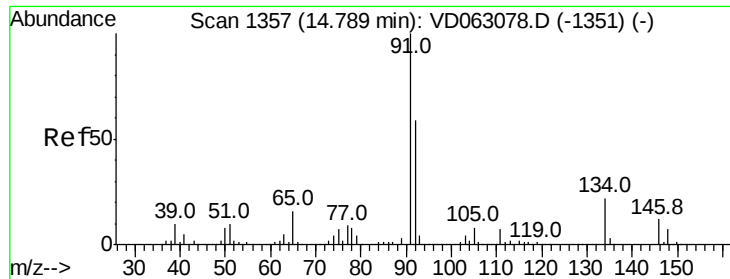
Tot Ion:146 Resp: 279942
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.6 55.6
 148 63.9 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 16.826 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD063097.D
 Acq: 16 Jul 2019 10:59

Tgt Ion:146 Resp: 302446
 Ion Ratio Lower Upper
 146 100
 111 32.1 17.0 51.0
 148 64.5 32.0 96.2

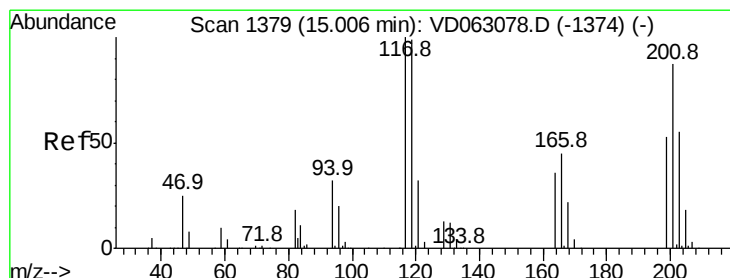
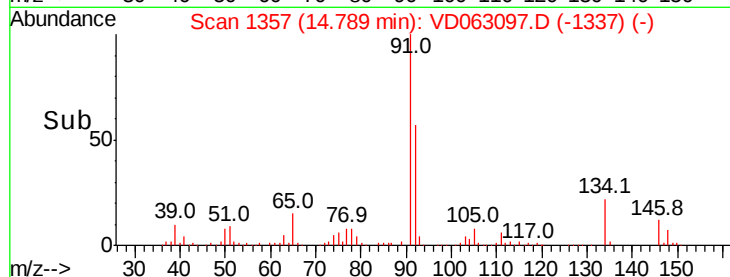
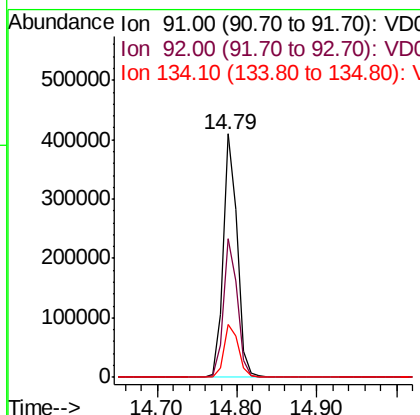
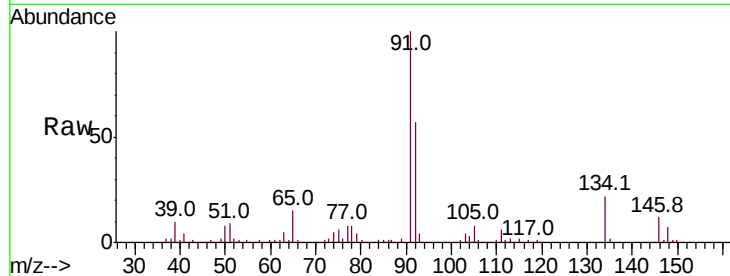




#89
n-Butylbenzene
Concen: 15.369 ug/l
RT: 14.79 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VD063097.D
Acq: 16 Jul 2019 10:59

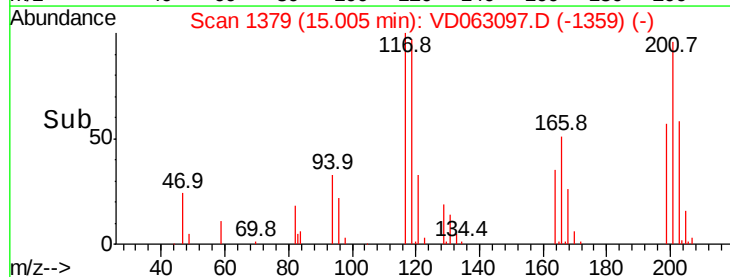
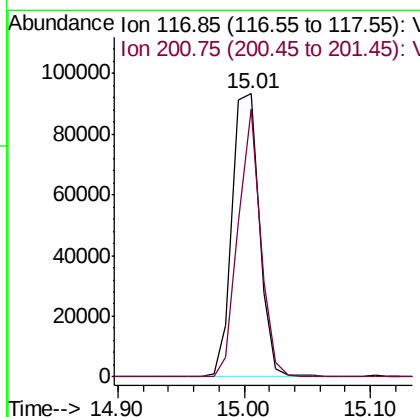
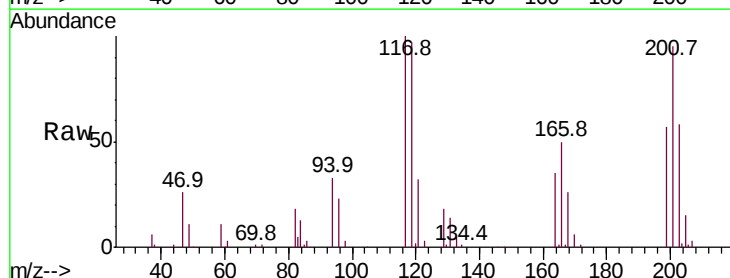
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

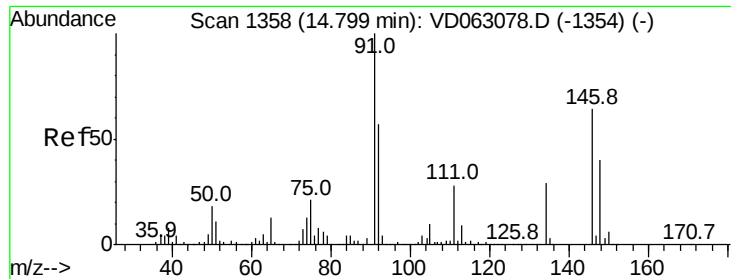
Tot Ion: 91 Resp: 512266
Ion Ratio Lower Upper
91 100
92 56.8 29.4 88.3
134 21.7 11.3 33.8



#90
Hexachloroethane
Concen: 14.361 ug/l
RT: 15.01 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VD063097.D
Acq: 16 Jul 2019 10:59

Tgt Ion: 117 Resp: 138835
Ion Ratio Lower Upper
117 100
201 94.8 43.4 130.1

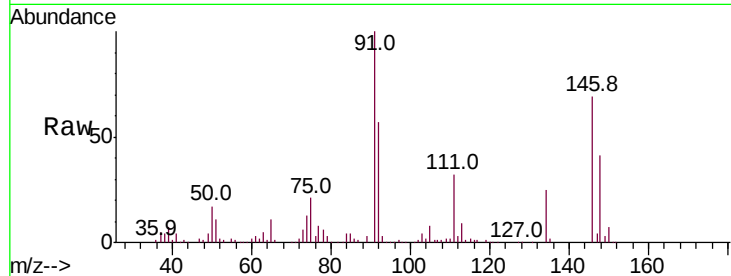




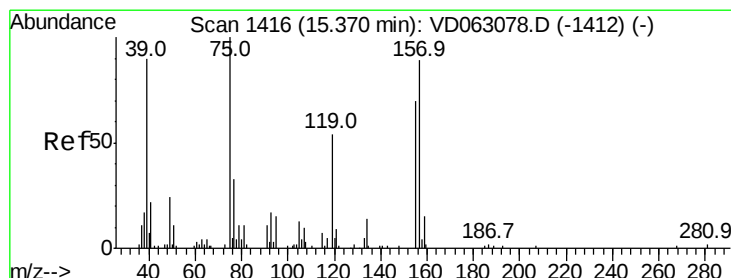
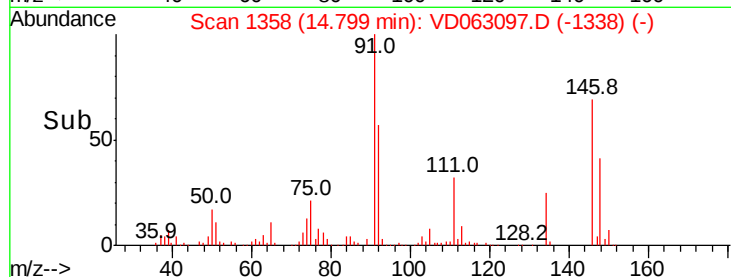
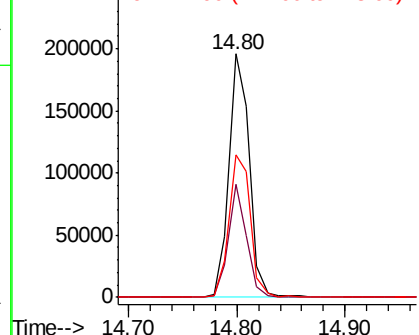
#91
 1,2-Dichlorobenzene
 Concen: 15.366 ug/l
 RT: 14.80 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VD063097.D
 Acq: 16 Jul 2019 10:59

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0716SBS01

Tot Ion:146 Resp: 256552
 Ion Ratio Lower Upper
 146 100
 111 46.6 21.9 65.5
 148 58.8 31.5 94.5

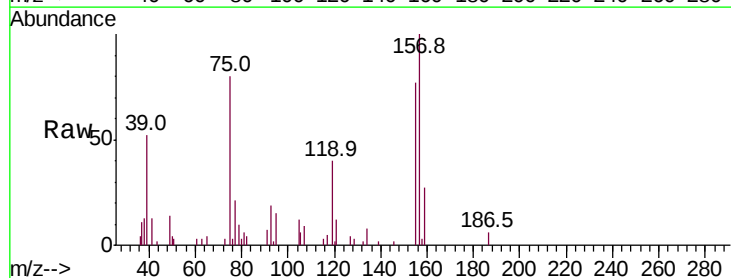


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

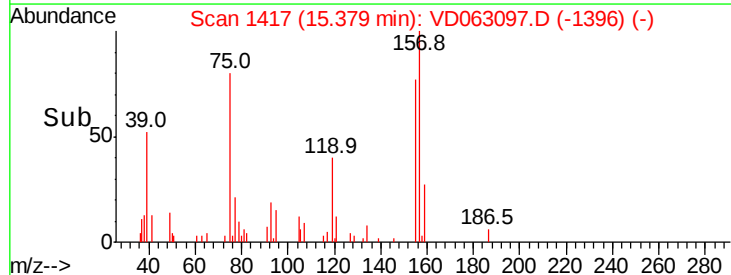
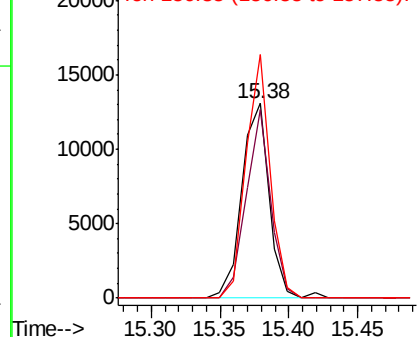


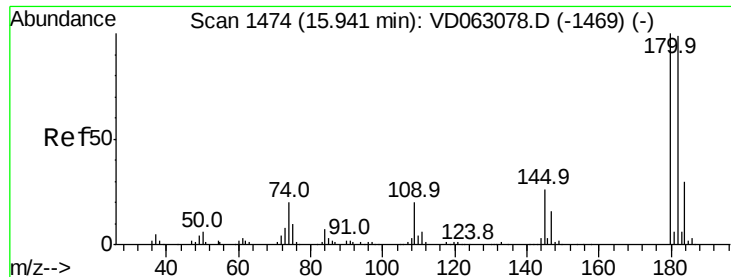
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 14.077 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VD063097.D
 Acq: 16 Jul 2019 10:59

Tgt Ion: 75 Resp: 18175
 Ion Ratio Lower Upper
 75 100
 155 96.6 34.8 104.3
 157 125.0 44.7 134.1



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

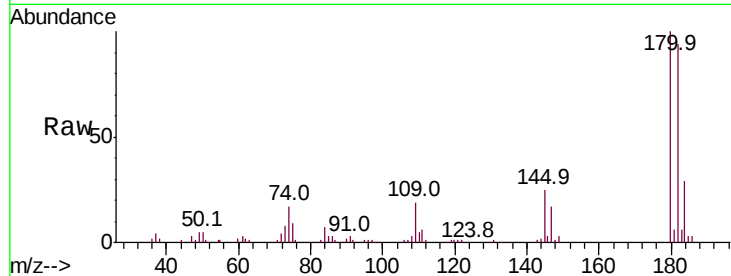




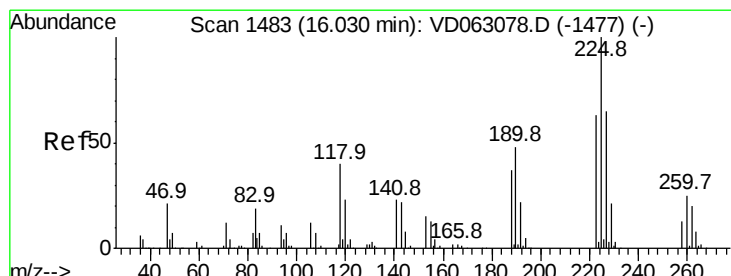
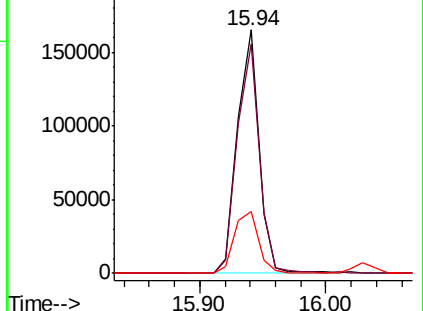
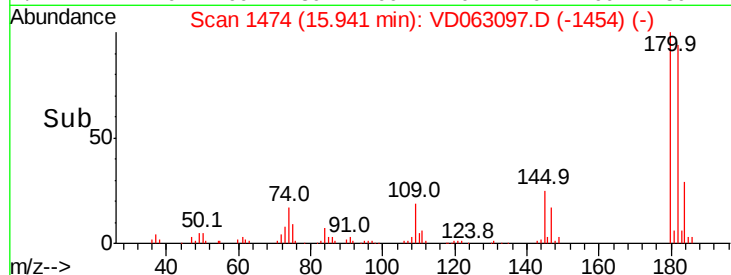
#93
 1,2,4-Trichlorobenzene
 Concen: 15.582 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD063097.D
 Acq: 16 Jul 2019 10:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

Tot Ion:180 Resp: 195450
 Ion Ratio Lower Upper
 180 100
 182 94.3 49.5 148.3
 145 25.4 12.8 38.4

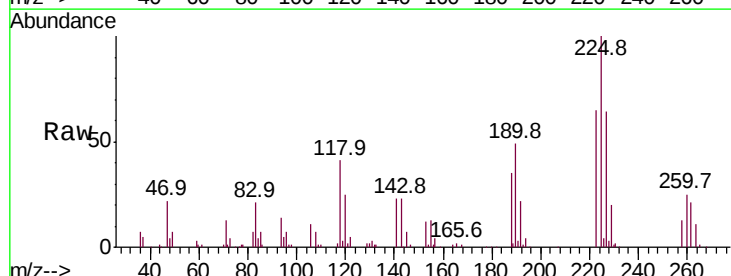


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

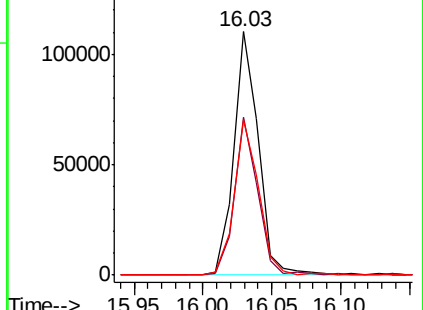
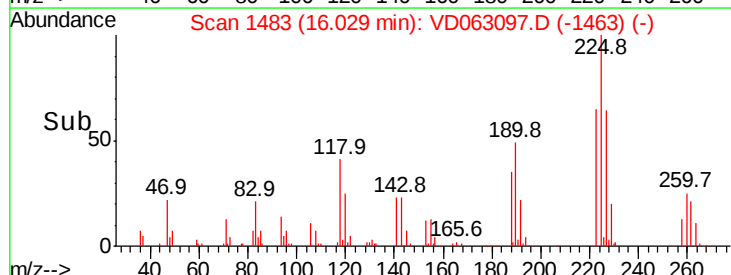


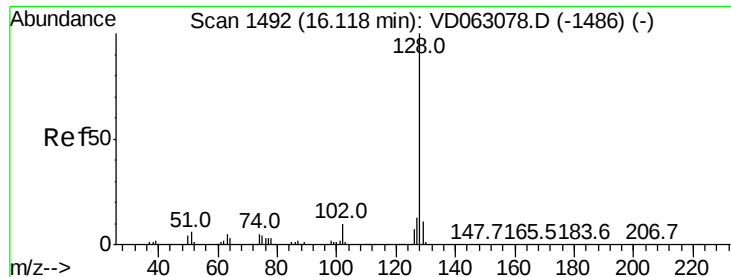
#94
 Hexachlorobutadiene
 Concen: 14.664 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: VD063097.D
 Acq: 16 Jul 2019 10:59

Tgt Ion:225 Resp: 135578
 Ion Ratio Lower Upper
 225 100
 223 65.0 31.4 94.2
 227 63.6 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

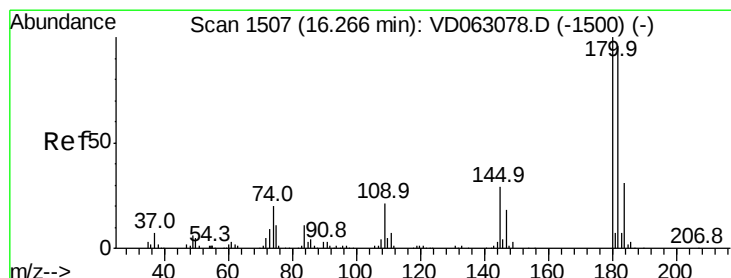
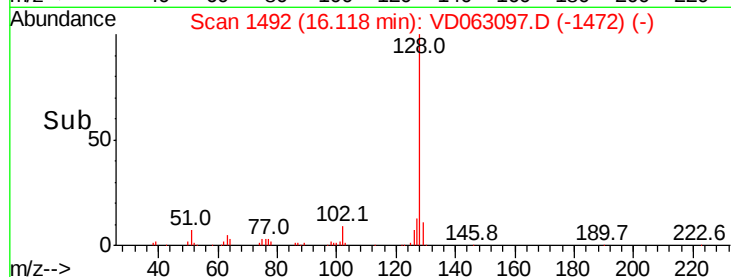
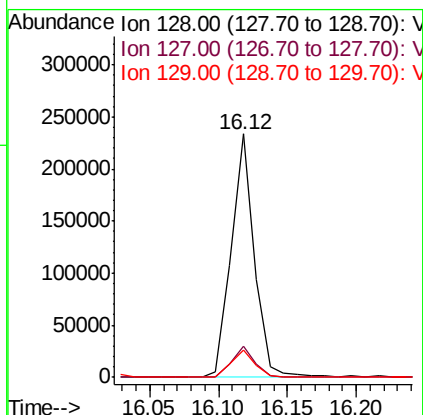
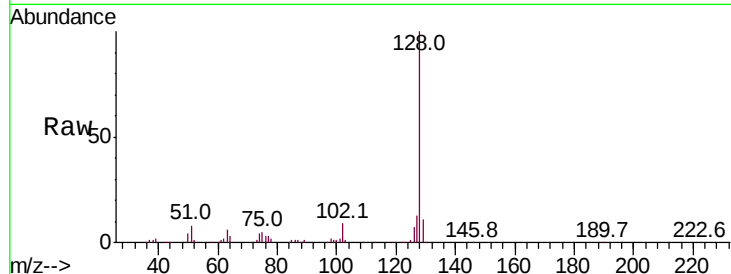




#95
Naphthalene
Concen: 14.771 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD063097.D
Acq: 16 Jul 2019 10:59

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

Tot Ion:128 Resp: 271014
Ion Ratio Lower Upper
128 100
127 12.8 10.7 16.1
129 11.3 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 14.880 ug/l
RT: 16.27 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VD063097.D
Acq: 16 Jul 2019 10:59

Tgt Ion:180 Resp: 150142
Ion Ratio Lower Upper
180 100
182 96.6 47.9 143.6
145 30.0 14.4 43.4

