

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082219\
 Data File : VD063733.D
 Acq On : 22 Aug 2019 15:05
 Operator : JC/SY
 Sample : VD0822SBSD01
 Misc : 5.00µg/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBSD01

Quant Time: Aug 23 06:58:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1002908	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	1355290	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.38	117	1082260	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	612567	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	503961	47.01	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	94.02%	
35) Dibromofluoromethane	6.93	113	586500	51.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.76%	
50) Toluene-d8	10.42	98	1179131	46.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.98%	
62) 4-Bromofluorobenzene	13.56	95	560163	49.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	232325	19.148	ug/l	95
3) Chloromethane	1.74	50	185527	19.571	ug/l	100
4) Vinyl Chloride	1.84	62	186493	19.817	ug/l	92
5) Bromomethane	2.15	94	72520	16.331	ug/l	87
6) Chloroethane	2.26	64	92725	21.546	ug/l	96
7) Trichlorofluoromethane	2.52	101	384394	20.824	ug/l	96
8) Diethyl Ether	2.87	74	53656	20.587	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.14	101	204282	18.742	ug/l	92
10) Methyl Iodide	3.30	142	255393	16.560	ug/l #	95
11) Tert butyl alcohol	4.10	59	50883	109.033	ug/l	98
12) 1,1-Dichloroethene	3.12	96	156063	19.258	ug/l	94
13) Acrolein	3.03	56	25371	55.232	ug/l #	76
14) Allyl chloride	3.62	41	254414	20.884	ug/l	94
15) Acrylonitrile	4.21	53	133960	108.372	ug/l	92
16) Acetone	3.23	43	244508	112.199	ug/l #	93
17) Carbon Disulfide	3.37	76	478828	18.722	ug/l	99
18) Methyl Acetate	3.64	43	87841	21.281	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	362224	22.350	ug/l	98
20) Methylene Chloride	3.81	84	180970	19.205	ug/l #	92
21) trans-1,2-Dichloroethene	4.22	96	174472	20.459	ug/l	92
22) Diisopropyl ether	5.14	45	514254	20.456	ug/l #	94
23) Vinyl Acetate	5.06	43	1537078	105.174	ug/l	98
24) 1,1-Dichloroethane	4.98	63	319125	20.467	ug/l	97
25) 2-Butanone	6.09	43	235524	109.430	ug/l	100
26) 2,2-Dichloropropane	6.03	77	324599	20.901	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	186298	19.967	ug/l	99
28) Bromochloromethane	6.44	49	124975	19.777	ug/l	94
29) Tetrahydrofuran	6.47	42	102436	102.139	ug/l	96
30) Chloroform	6.68	83	398711	20.573	ug/l	99
31) Cyclohexane	6.96	56	203458	21.019	ug/l	95
32) 1,1,1-Trichloroethane	6.88	97	373329	20.137	ug/l	94
36) 1,1-Dichloropropene	7.15	75	271625	22.671	ug/l	93
37) Ethyl Acetate	6.19	43	98259	19.572	ug/l #	92
38) Carbon Tetrachloride	7.12	117	357319	19.789	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	216216	21.223	ug/l	96
40) Benzene	7.46	78	531763	20.168	ug/l	97
41) Methacrylonitrile	6.46	41	144588	22.873	ug/l	91
42) 1,2-Dichloroethane	7.59	62	277010	20.895	ug/l	99
43) Isopropyl Acetate	9.25	43	151507	22.532	ug/l #	98
44) Trichloroethene	8.55	130	217006	21.533	ug/l	93
45) 1,2-Dichloropropane	8.95	63	125192	20.389	ug/l #	86
46) Dibromomethane	9.07	93	114526	21.842	ug/l	94
47) Bromodichloromethane	9.38	83	297107	22.090	ug/l	98
48) Methyl methacrylate	9.14	41	95093	20.854	ug/l	95
49) 1,4-Dioxane	9.10	88	17366	440.657	ug/l #	89
51) 4-Methyl-2-Pentanone	10.31	43	518540	112.701	ug/l	95
52) Toluene	10.52	92	372627	21.942	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	232671	21.197	ug/l	92
54) cis-1,3-Dichloropropene	10.05	75	261866	21.158	ug/l	96
55) 1,1,2-Trichloroethane	11.20	97	120535	21.012	ug/l	97
56) Ethyl methacrylate	11.05	69	133296	21.408	ug/l	94
57) 1,3-Dichloropropane	11.42	76	190934	22.019	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	360030	109.527	ug/l	99
59) 2-Hexanone	11.54	43	389212	116.258	ug/l	96
60) Dibromochloromethane	11.69	129	215268	20.622	ug/l	99
61) 1,2-Dibromoethane	11.81	107	150174	21.625	ug/l	98
64) Tetrachloroethene	11.26	164	196019	23.462	ug/l	92
65) Chlorobenzene	12.41	112	458135	22.586	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	212881	23.847	ug/l	88
67) Ethyl Benzene	12.53	91	807762	22.903	ug/l	99
68) m/p-Xylenes	12.67	106	548077	44.231	ug/l	90
69) o-Xylene	13.06	106	260190	21.817	ug/l	99
70) Styrene	13.08	104	495365	23.351	ug/l	100
71) Bromoform	13.24	173	140126	22.892	ug/l	93
73) Isopropylbenzene	13.41	105	804671	20.652	ug/l	99
74) N-amyl acetate	13.27	43	202211	20.674	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.71	83	141071	21.814	ug/l	93
76) 1,2,3-Trichloropropane	13.73	75	158859	22.597	ug/l	97
77) Bromobenzene	13.68	156	232530	21.837	ug/l	87
78) n-propylbenzene	13.77	91	975192	21.392	ug/l	91
79) 2-Chlorotoluene	13.84	91	599418	22.805	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	690179	20.274	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	38092	20.159	ug/l	98
82) 4-Chlorotoluene	13.95	91	669130	21.170	ug/l	100
83) tert-Butylbenzene	14.20	119	771074	21.509	ug/l	95
84) 1,2,4-Trimethylbenzene	14.25	105	743498	23.604	ug/l	97
85) sec-Butylbenzene	14.37	105	866411	22.758	ug/l	99
86) p-Isopropyltoluene	14.49	119	788063	21.649	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	391124	20.306	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	407777	22.066	ug/l	94
89) n-Butylbenzene	14.80	91	760734	22.898	ug/l	94
90) Hexachloroethane	15.01	117	205001	22.406	ug/l	90
91) 1,2-Dichlorobenzene	14.81	146	357668	21.887	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.39	75	25887	21.259	ug/l	92

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QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration

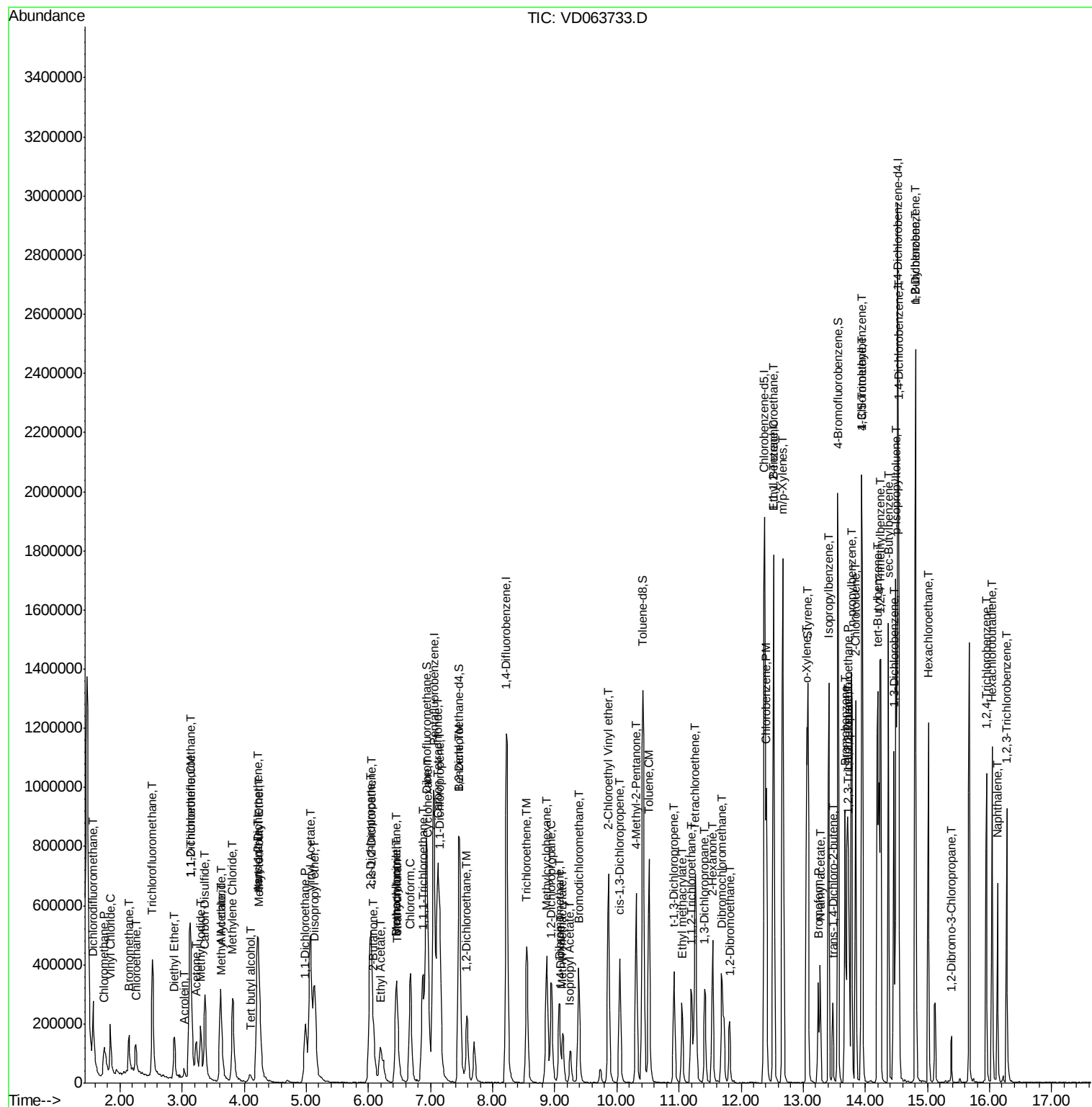
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	283175	23.549	ug/l	95
94) Hexachlorobutadiene	16.04	225	184644	20.148	ug/l	94
95) Naphthalene	16.13	128	368679	20.231	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	219757	22.627	ug/l	99

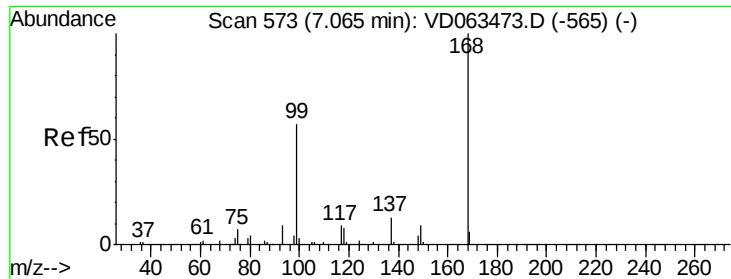
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.01 min
 Lab File: VD063733.D
 Acq: 22 Aug 2019 15:05

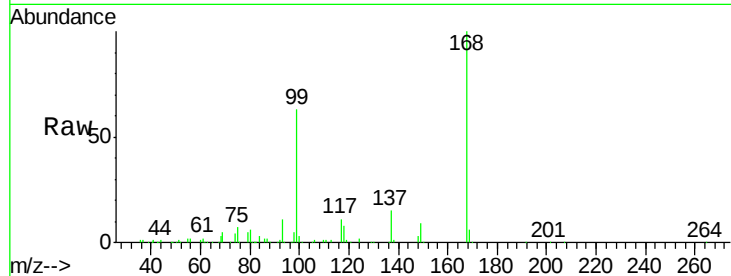
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBSD01

Tot Ion:168 Resp: 1002908

Ion Ratio Lower Upper

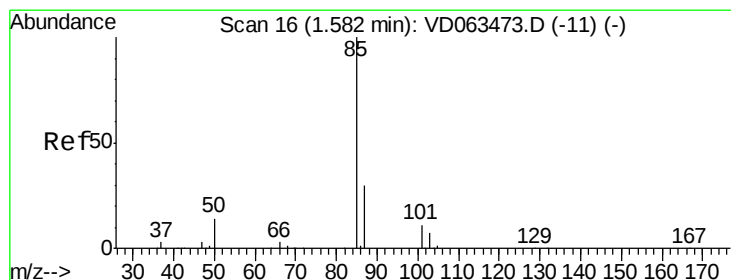
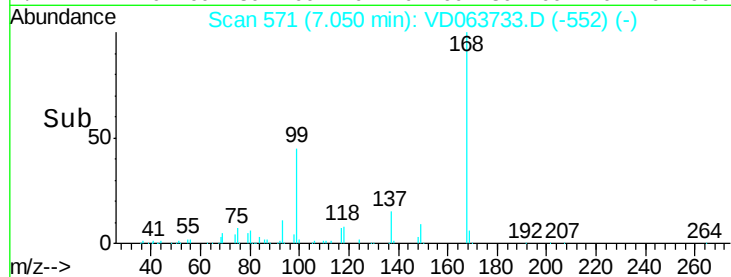
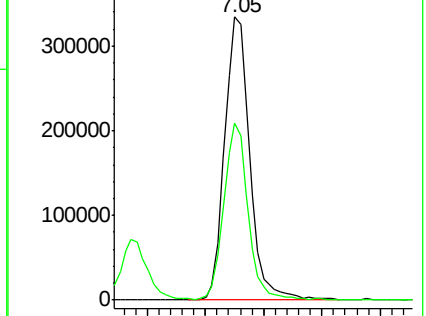
168 100

99 62.7 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

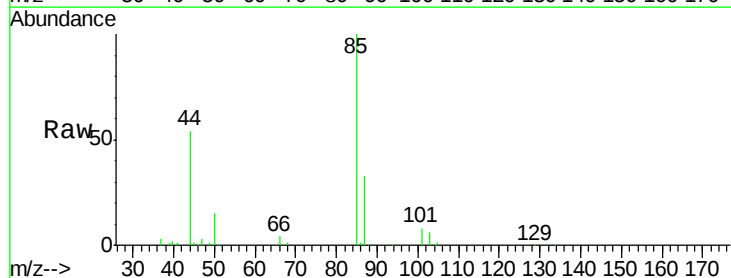
Dichlorodifluoromethane
 Concen: 19.148 ug/l
 RT: 1.57 min Scan# 14
 Delta R.T. -0.01 min
 Lab File: VD063733.D
 Acq: 22 Aug 2019 15:05

Tgt Ion: 85 Resp: 232325

Ion Ratio Lower Upper

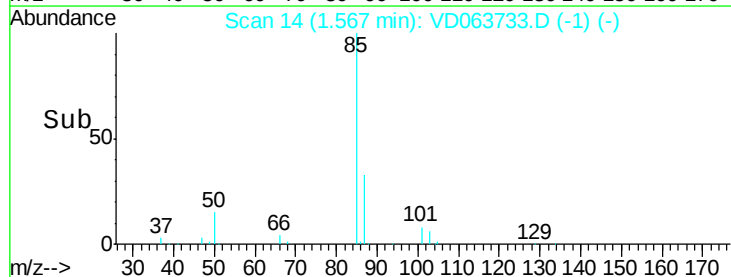
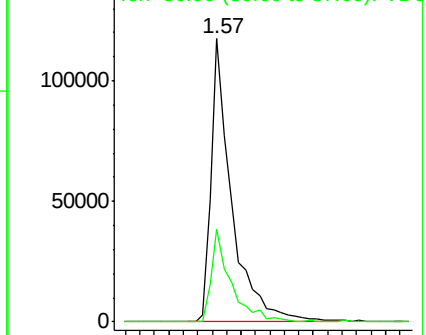
85 100

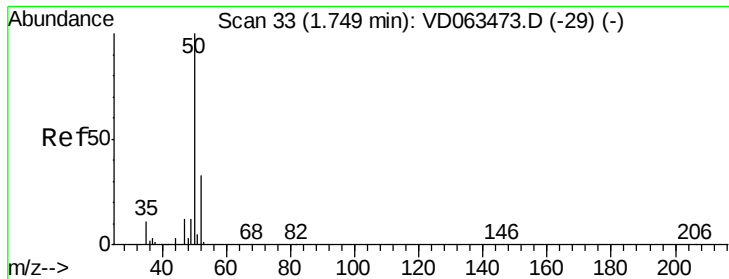
87 32.6 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.571 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

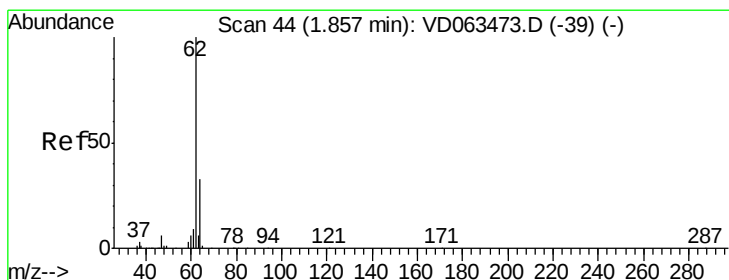
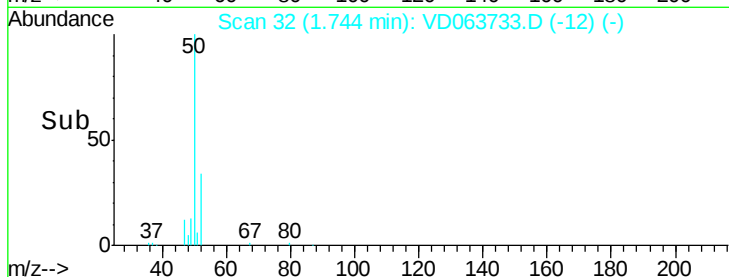
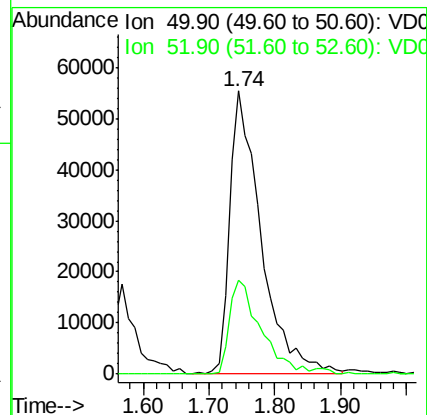
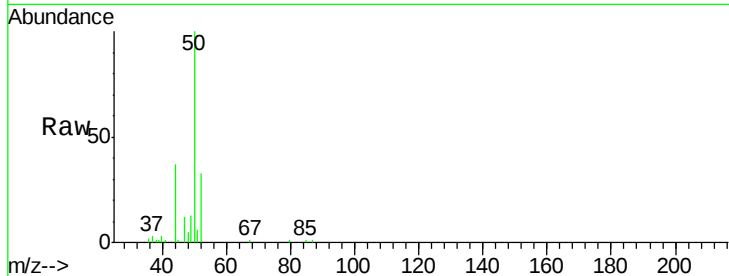
VD0822SBSD01

Tot Ion: 50 Resp: 185527

Ion Ratio Lower Upper

50 100

52 33.3 26.6 40.0



#4

Vinyl Chloride

Concen: 19.817 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD063733.D

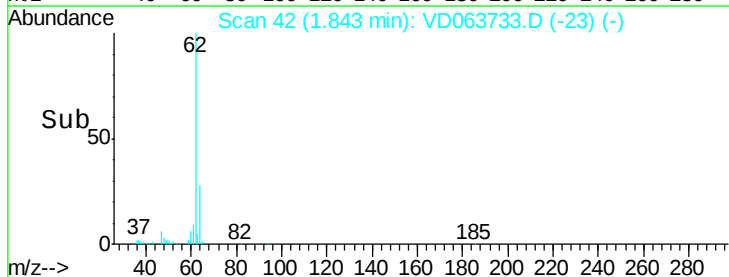
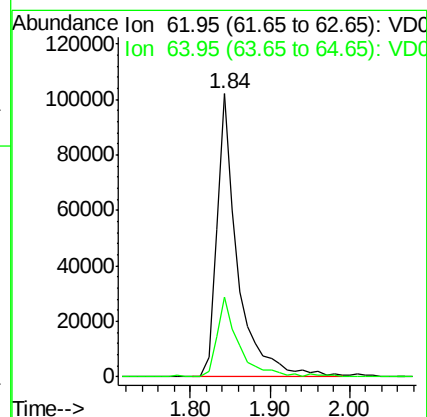
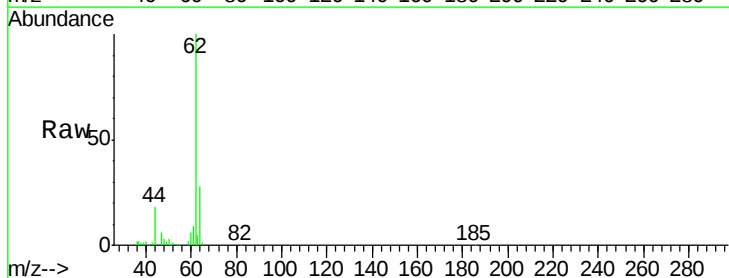
Acq: 22 Aug 2019 15:05

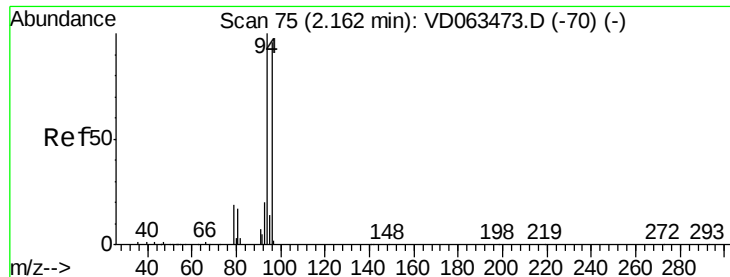
Tgt Ion: 62 Resp: 186493

Ion Ratio Lower Upper

62 100

64 28.3 26.4 39.6





#5

Bromomethane

Concen: 16.331 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBSD01

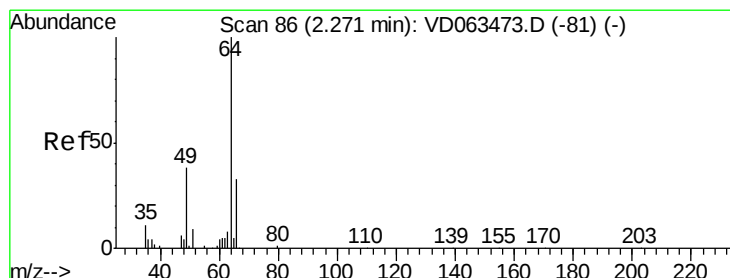
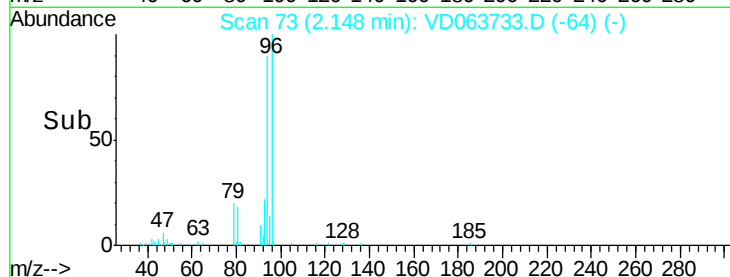
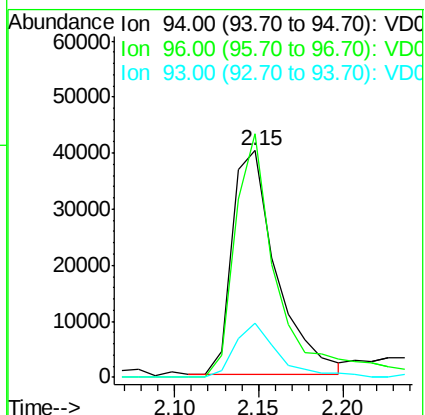
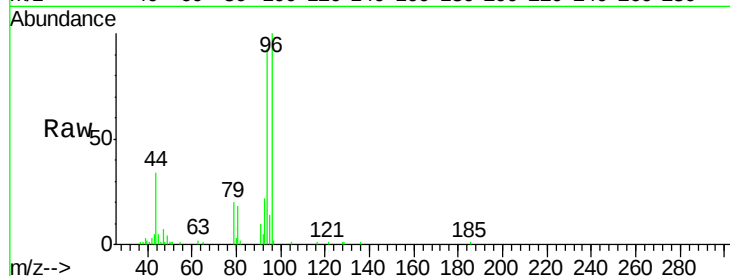
Tot Ion: 94 Resp: 72520

Ion	Ratio	Lower	Upper
94	100		
96	109.1	76.5	114.7
93	23.7	15.8	23.8

94 100

96 109.1 76.5 114.7

93 23.7 15.8 23.8



#6

Chloroethane

Concen: 21.546 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063733.D

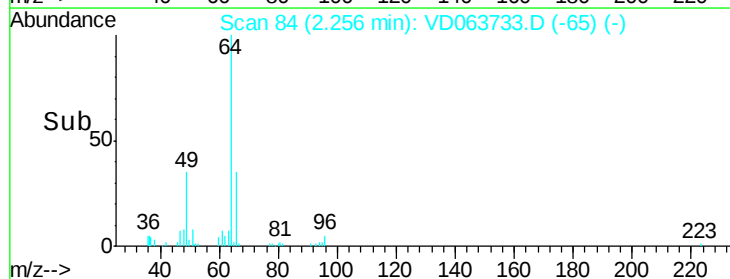
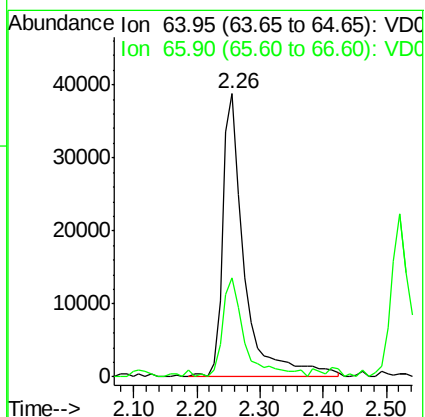
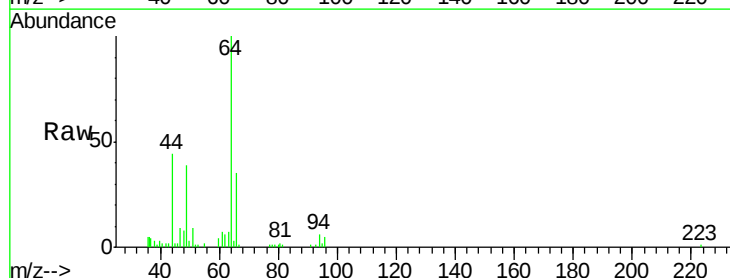
Acq: 22 Aug 2019 15:05

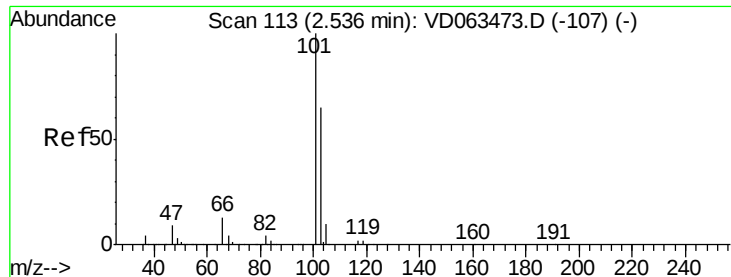
Tgt Ion: 64 Resp: 92725

Ion	Ratio	Lower	Upper
64	100		
66	35.0	26.3	39.5

64 100

66 35.0 26.3 39.5



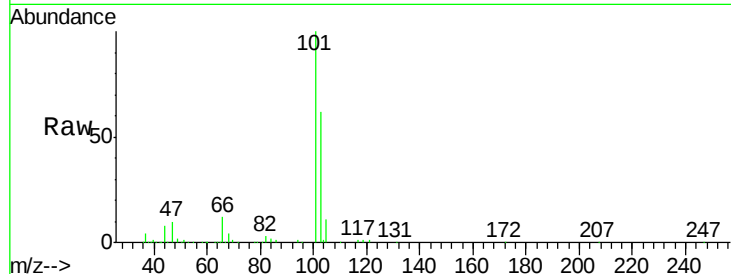


#7

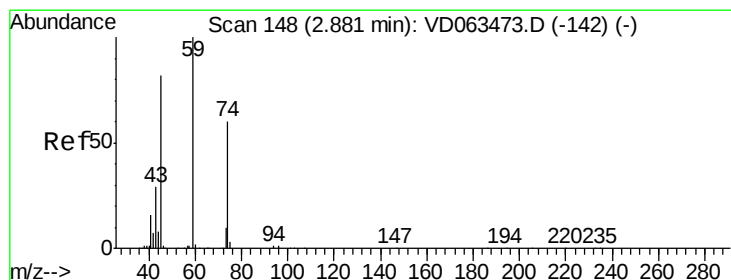
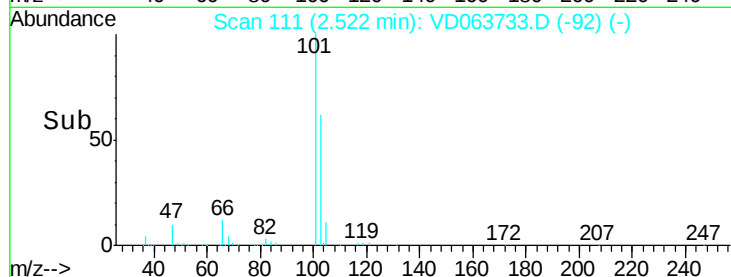
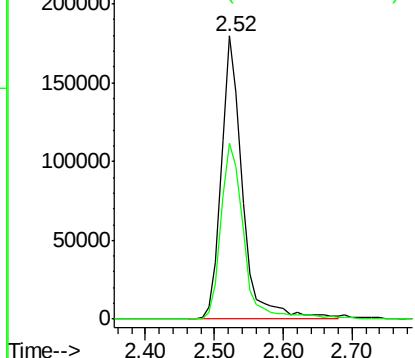
Trichlorofluoromethane
Concen: 20.824 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.01 min
Lab File: VD063733.D
Acq: 22 Aug 2019 15:05

Instrument :
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Tot Ion:101 Resp: 384394
Ion Ratio Lower Upper
101 100
103 62.4 52.2 78.4



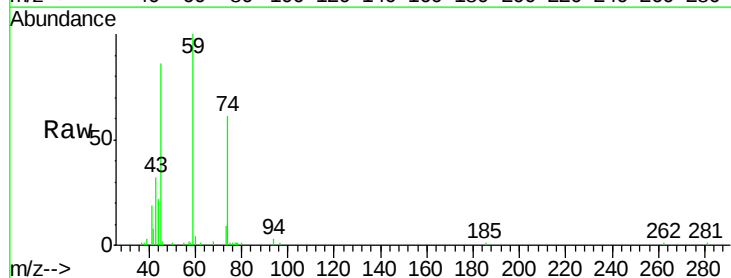
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



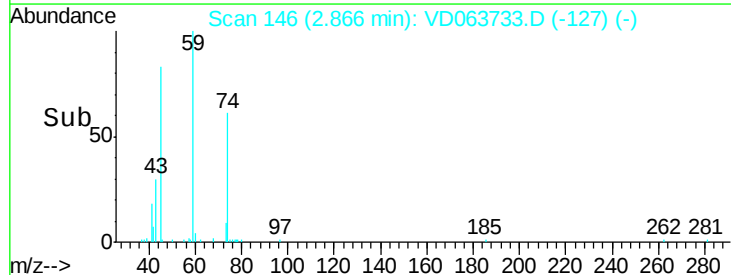
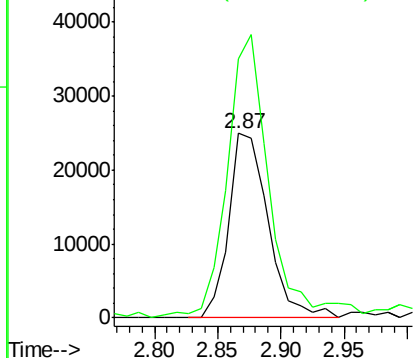
#8

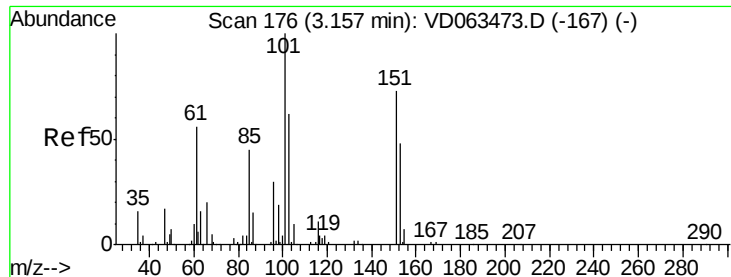
Diethyl Ether
Concen: 20.587 ug/l
RT: 2.87 min Scan# 146
Delta R.T. -0.01 min
Lab File: VD063733.D
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Tgt Ion: 74 Resp: 53656
Ion Ratio Lower Upper
74 100
45 140.5 68.5 205.5



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.742 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBSD01

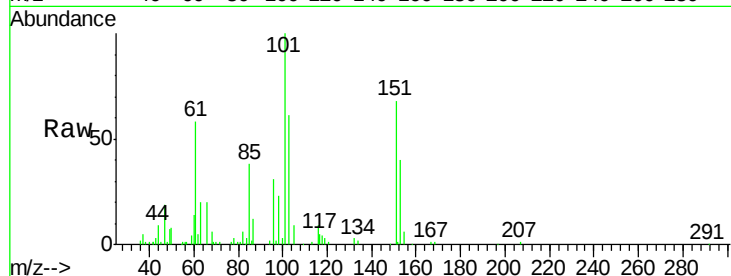
Tot Ion:101 Resp: 204282

Ion Ratio Lower Upper

101 100

85 38.0 35.8 53.6

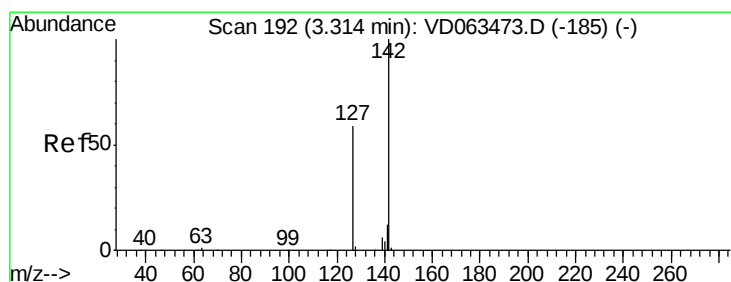
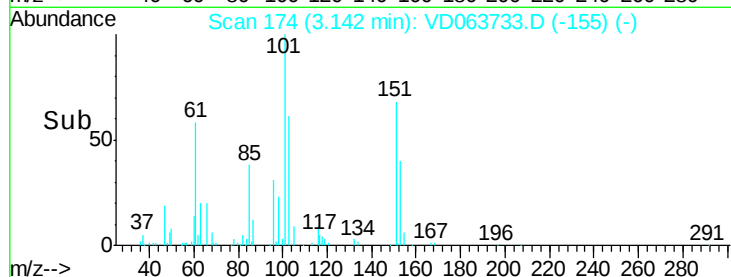
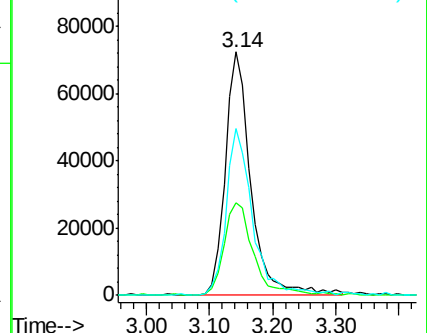
151 68.3 58.6 88.0



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: 16.560 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

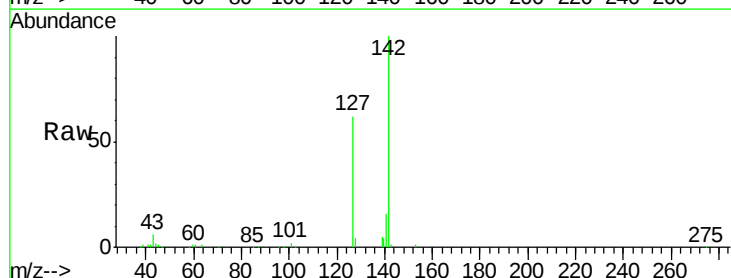
Tgt Ion:142 Resp: 255393

Ion Ratio Lower Upper

142 100

127 61.6 47.2 70.8

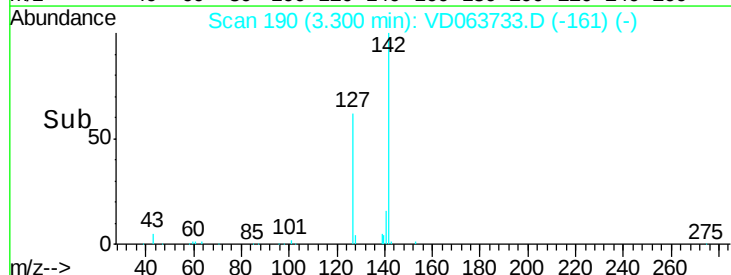
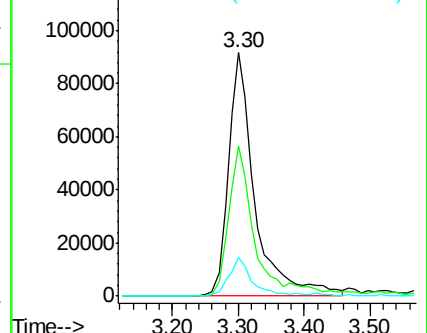
141 16.0 9.8 14.8#

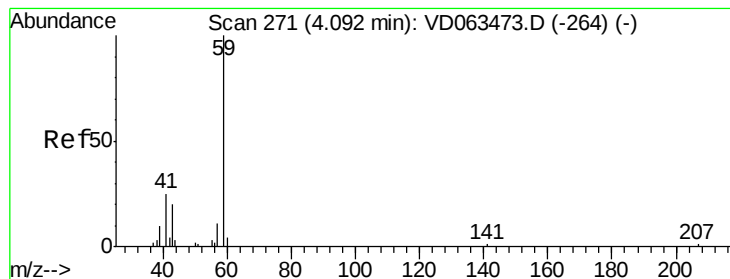


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



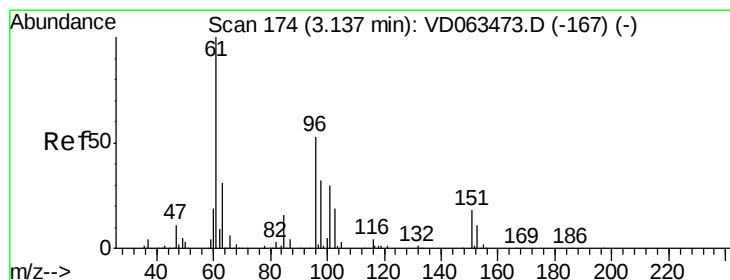
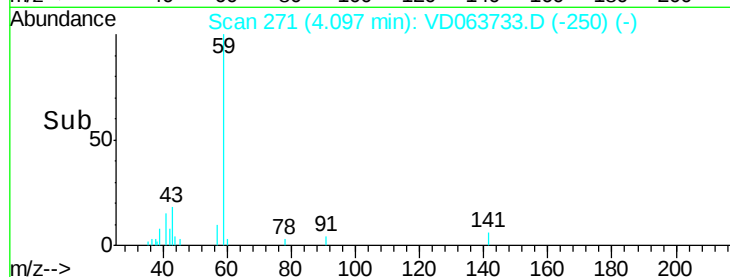
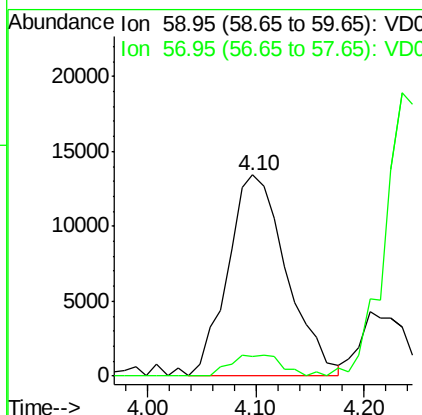
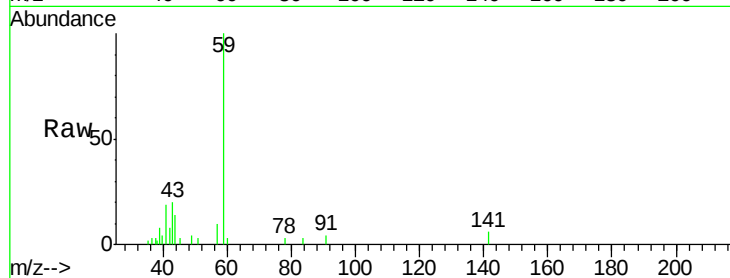


#11

Tert butyl alcohol
 Concen: 109.033 ug/l
 RT: 4.10 min Scan# 271
 Delta R.T. 0.01 min
 Lab File: VD063733.D
 Acq: 22 Aug 2019 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBSD01

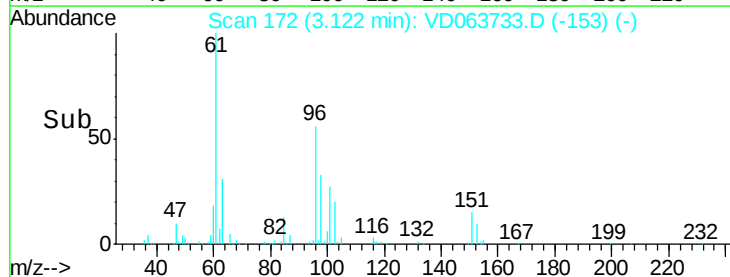
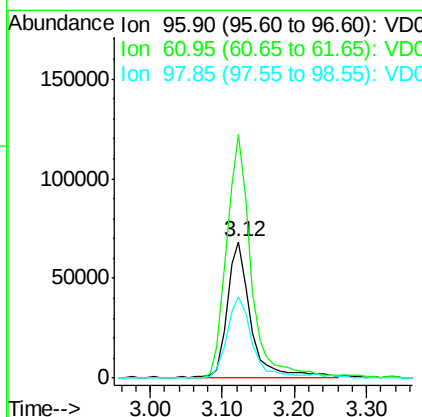
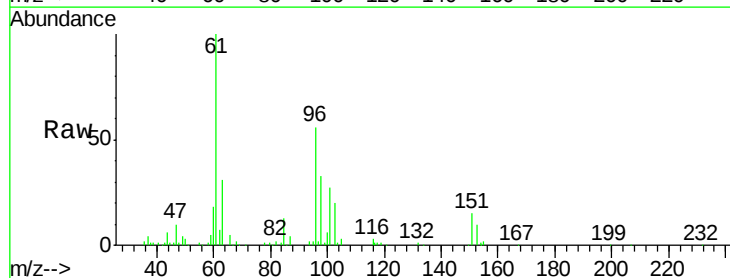
Tot Ion: 59 Resp: 50883
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.7 13.1

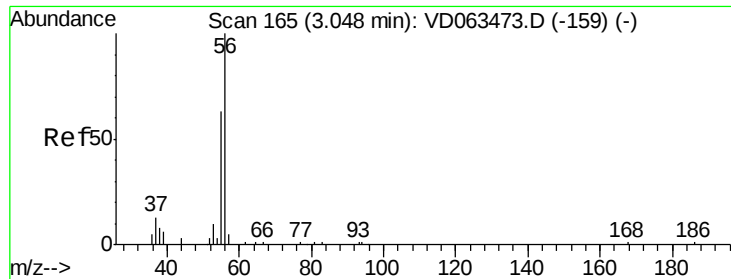


#12

1,1-Dichloroethene
 Concen: 19.258 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.01 min
 Lab File: VD063733.D
 Acq: 22 Aug 2019 15:05

Tgt Ion: 96 Resp: 156063
 Ion Ratio Lower Upper
 96 100
 61 178.5 151.7 227.5
 98 59.1 48.4 72.6





#13

Acrolein

Concen: 55.232 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

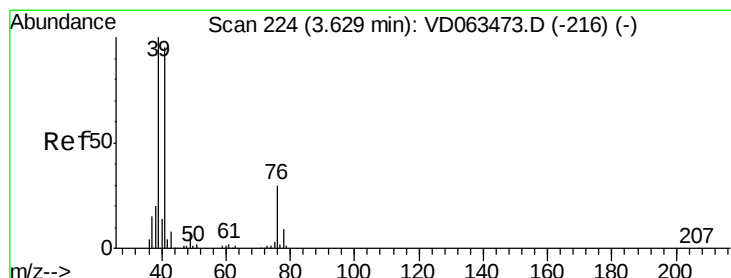
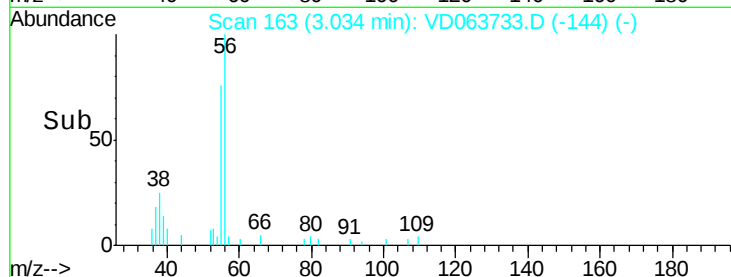
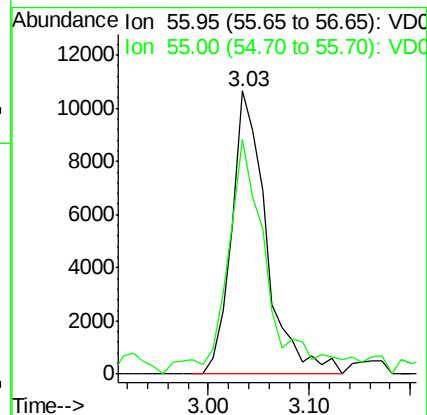
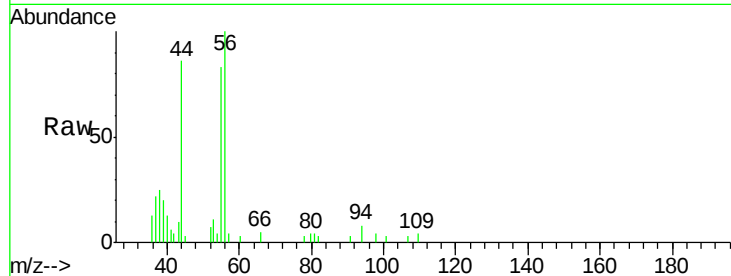
VD0822SBS01

Tot Ion: 56 Resp: 25371

Ion Ratio Lower Upper

56 100

55 82.8 51.3 76.9#



#14

Allyl chloride

Concen: 20.884 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

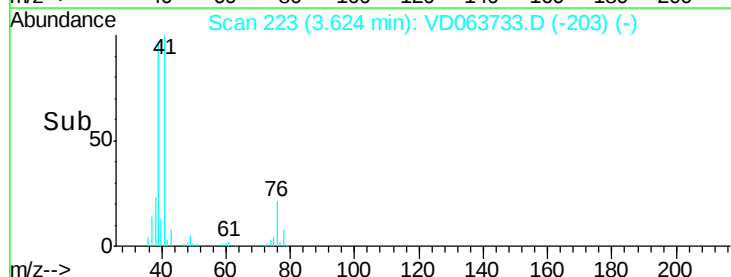
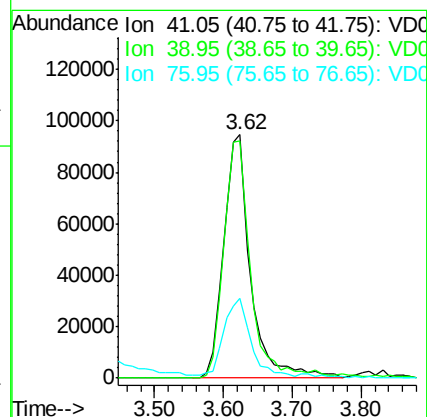
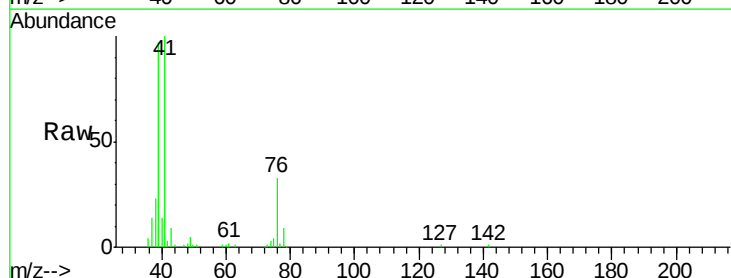
Tgt Ion: 41 Resp: 254414

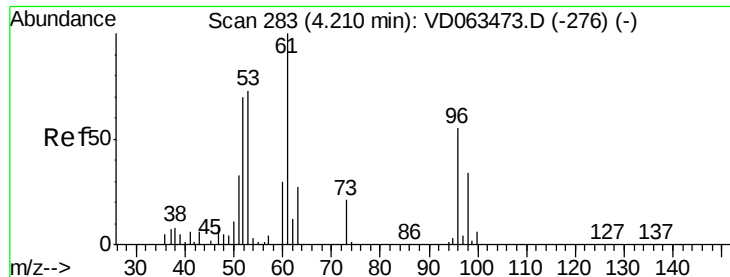
Ion Ratio Lower Upper

41 100

39 97.4 84.2 126.4

76 32.5 26.0 39.0





#15

Acrylonitrile

Concen: 108.372 ug/l

RT: 4.21 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBS01

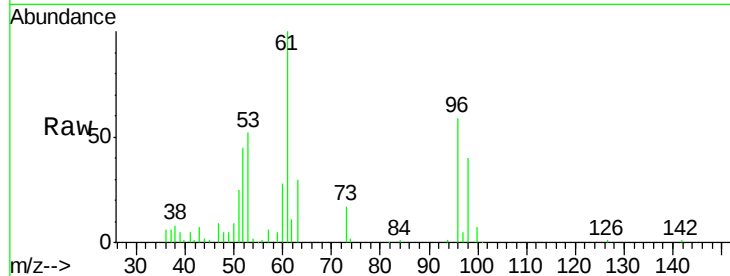
Tot Ion: 53 Resp: 133960

Ion Ratio Lower Upper

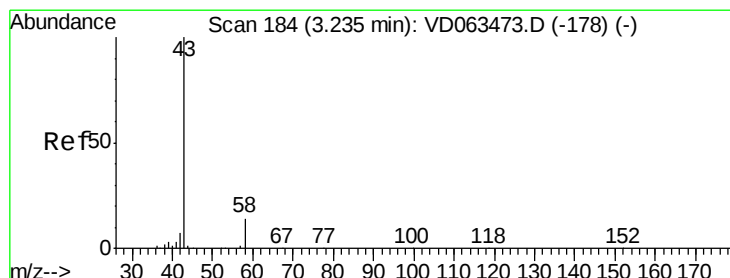
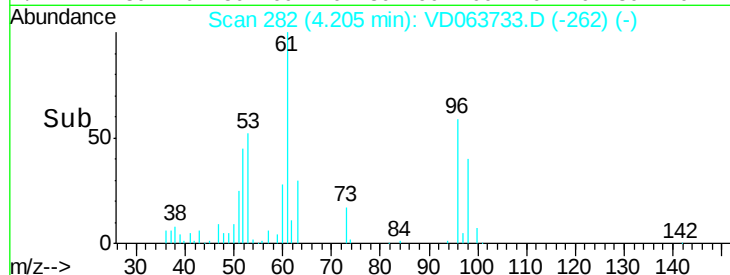
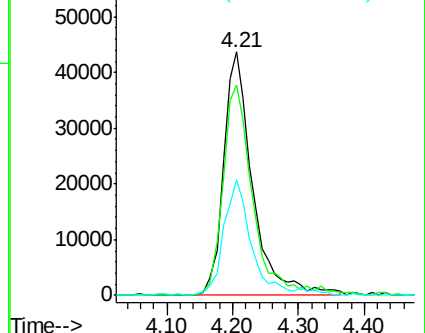
53 100

52 86.3 77.4 116.0

51 47.6 36.7 55.1



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



#16

Acetone

Concen: 112.199 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD063733.D

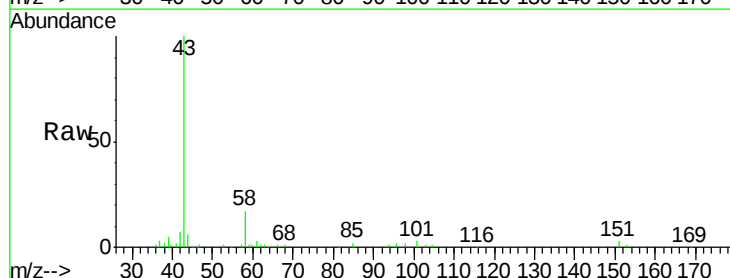
Acq: 22 Aug 2019 15:05

Tgt Ion: 43 Resp: 244508

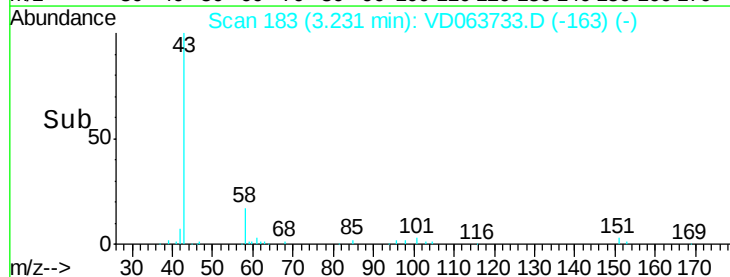
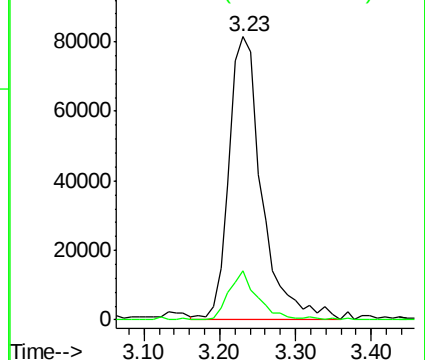
Ion Ratio Lower Upper

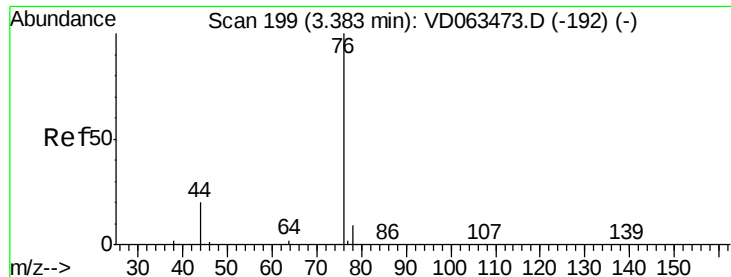
43 100

58 17.2 11.4 17.2#



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

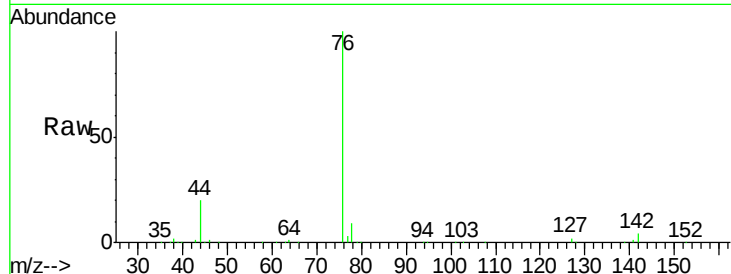




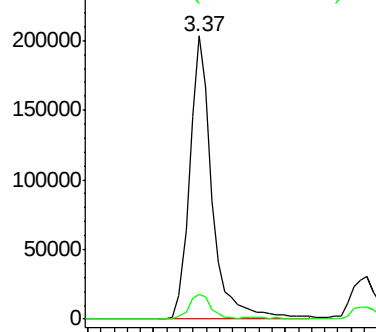
#17
Carbon Disulfide
Concen: 18.722 ug/l
RT: 3.37 min Scan# 197
Delta R.T. -0.01 min
Lab File: VD063733.D
Acq: 22 Aug 2019 15:05

Instrument :
MSVOA_D
ClientSampleId :
VD0822SBSD01

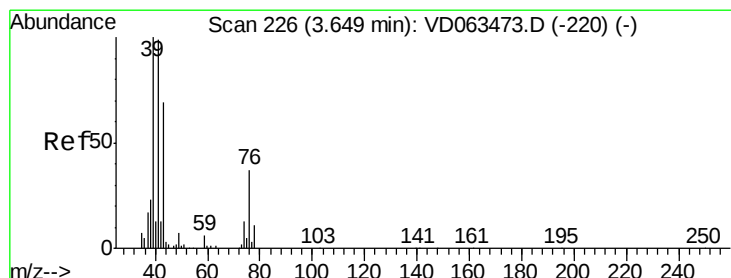
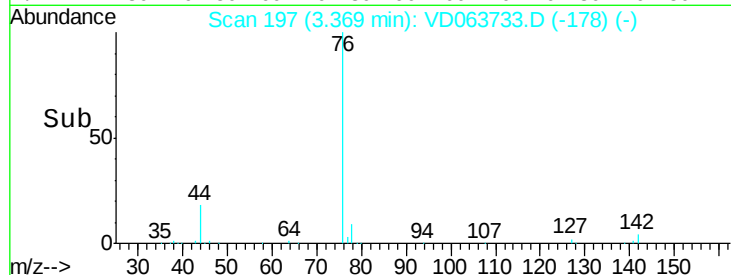
Tot Ion: 76 Resp: 478828
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



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

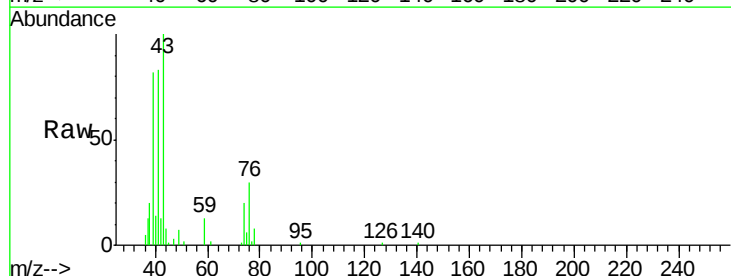


Time--> 3.20 3.30 3.40 3.50 3.60

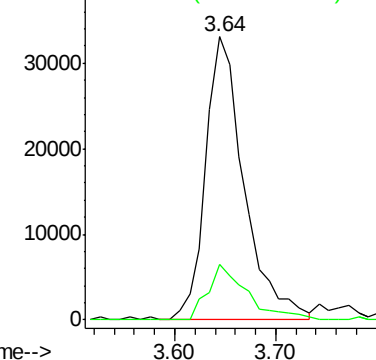


#18
Methyl Acetate
Concen: 21.281 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.00 min
Lab File: VD063733.D
Acq: 22 Aug 2019 15:05

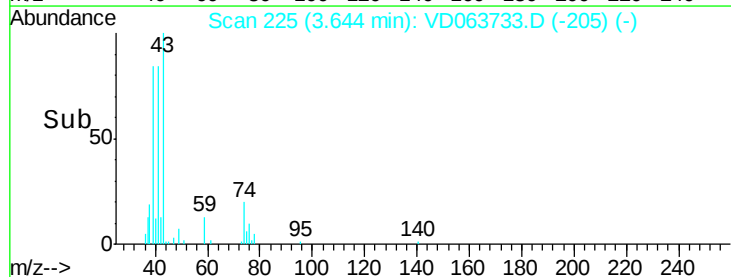
Tgt Ion: 43 Resp: 87841
Ion Ratio Lower Upper
43 100
74 19.7 15.4 23.2

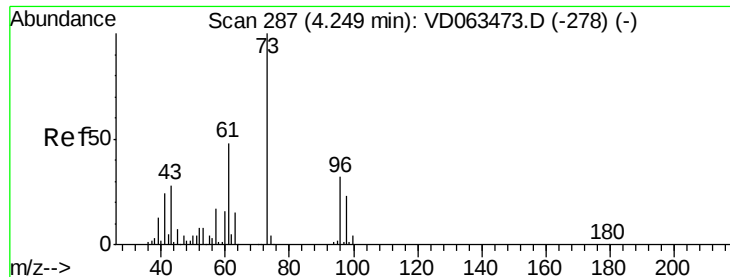


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



Time--> 3.60 3.70



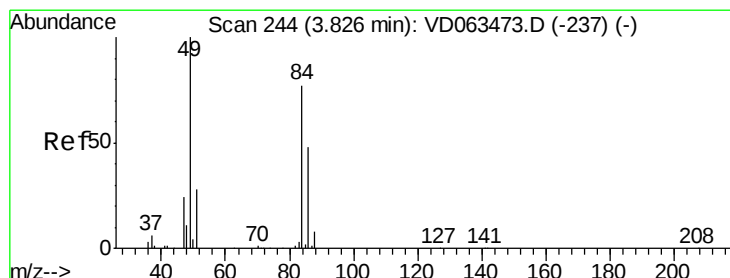
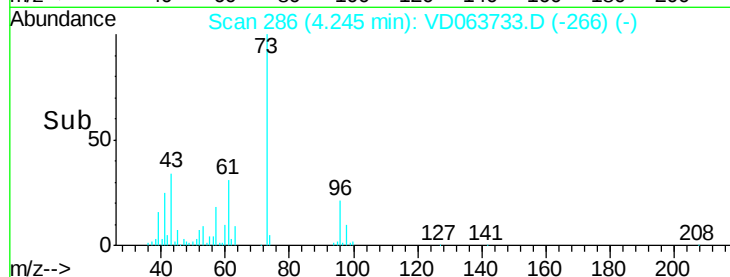
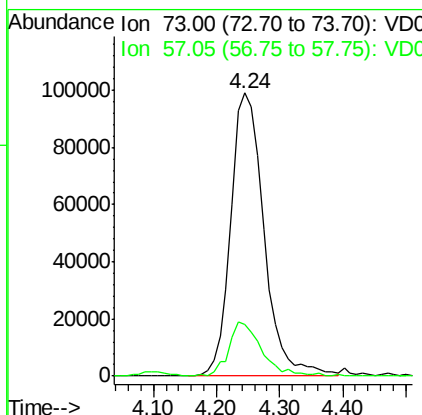
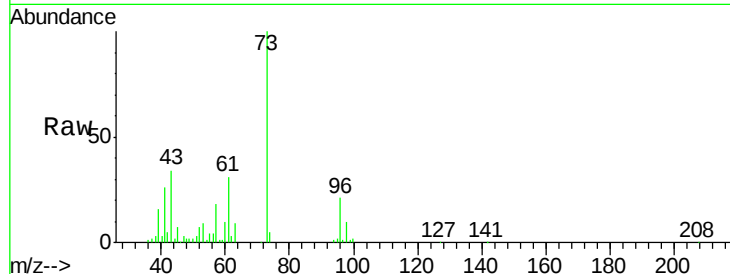


#19

Methyl tert-butyl Ether
 Concen: 22.350 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. -0.00 min
 Lab File: VD063733.D
 Acq: 22 Aug 2019 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBS01

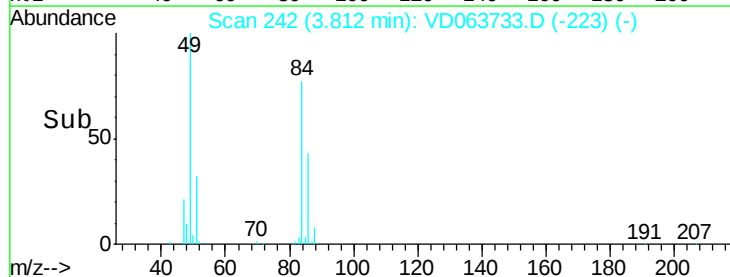
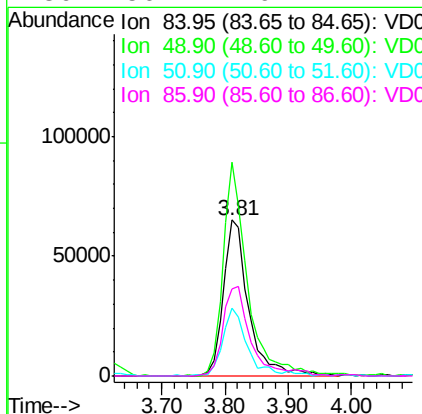
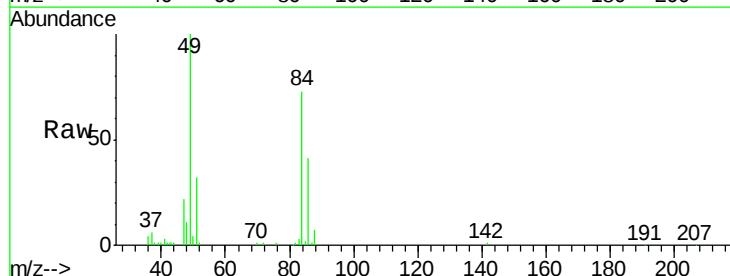
Tot Ion: 73 Resp: 362224
 Ion Ratio Lower Upper
 73 100
 57 18.3 14.0 21.0

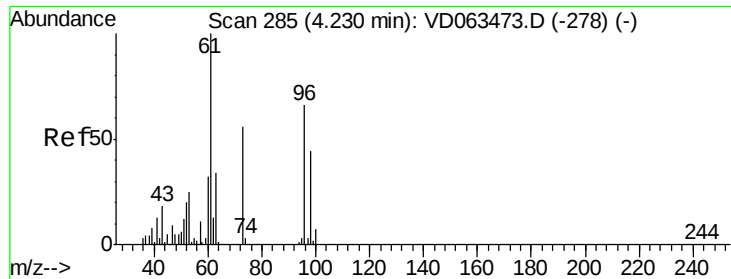


#20

Methylene Chloride
 Concen: 19.205 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. -0.01 min
 Lab File: VD063733.D
 Acq: 22 Aug 2019 15:05

Tgt Ion: 84 Resp: 180970
 Ion Ratio Lower Upper
 84 100
 49 137.0 103.4 155.2
 51 43.5 28.5 42.7#
 86 56.1 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 20.459 ug/l

RT: 4.22 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBS01

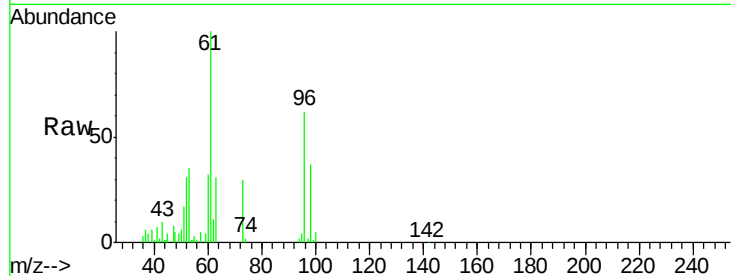
Tot Ion: 96 Resp: 174472

Ion Ratio Lower Upper

96 100

61 161.1 121.7 182.5

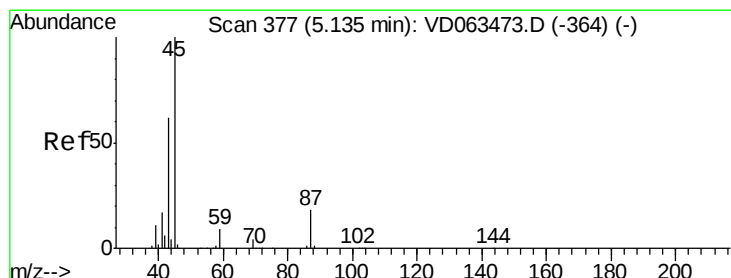
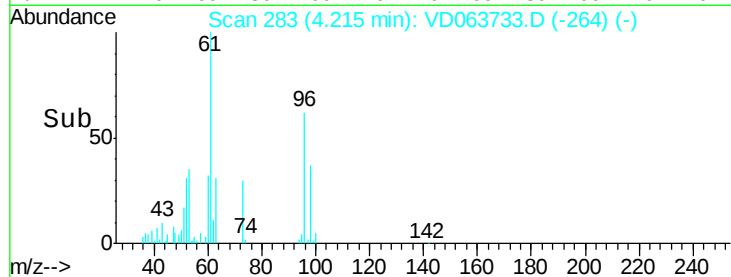
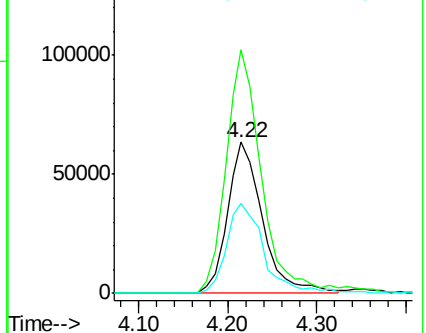
98 59.5 54.2 81.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.456 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.01 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

Tgt Ion: 45 Resp: 514254

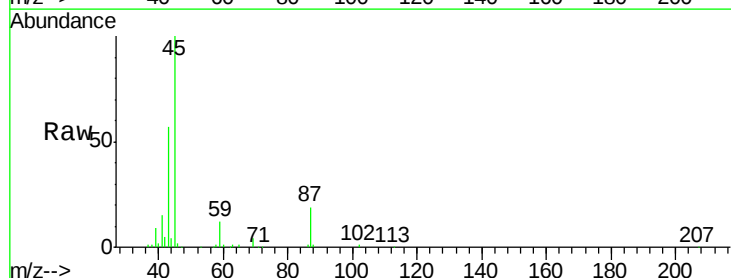
Ion Ratio Lower Upper

45 100

43 56.9 50.3 75.5

87 19.2 14.3 21.5

59 11.6 7.7 11.5#

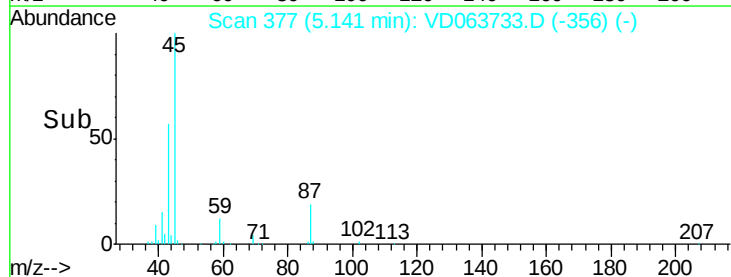
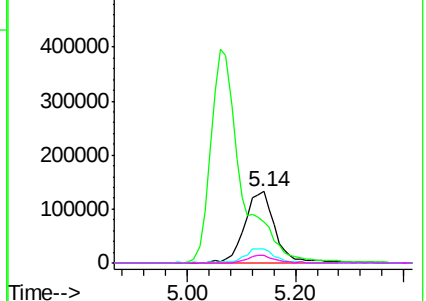


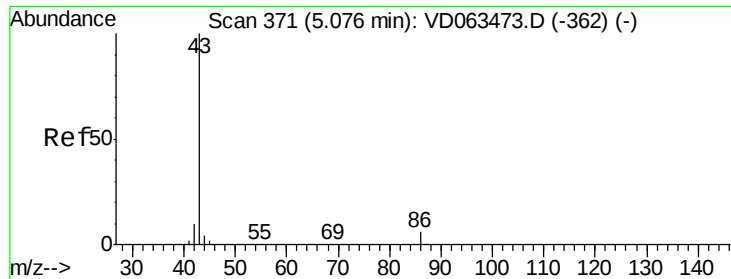
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 105.174 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

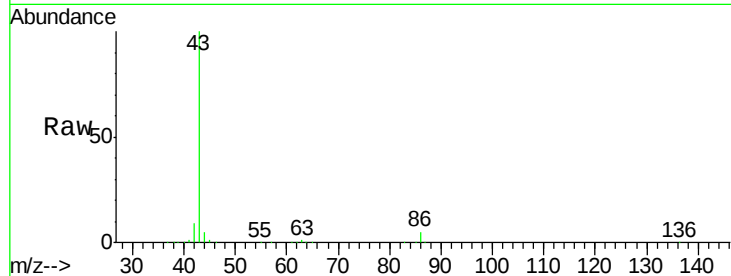
VD0822SBS01

Tot Ion: 43 Resp: 1537078

Ion Ratio Lower Upper

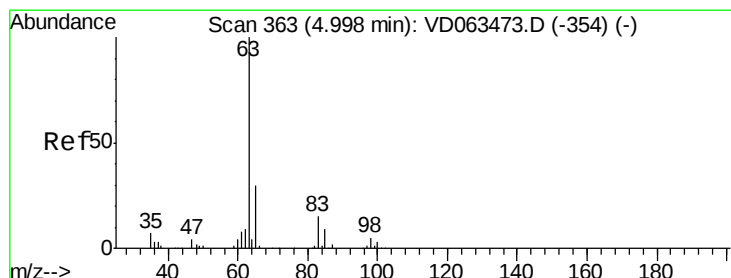
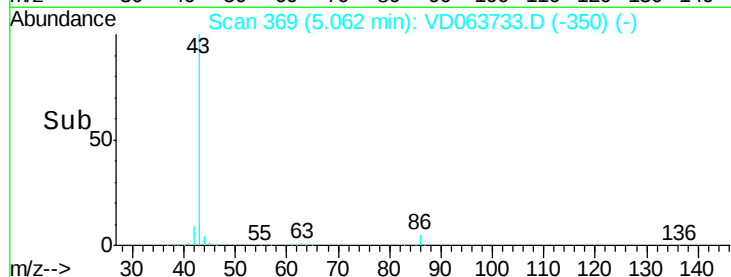
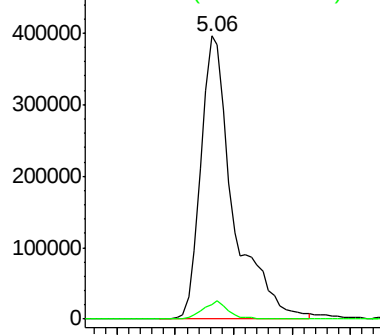
43 100

86 5.2 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.467 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

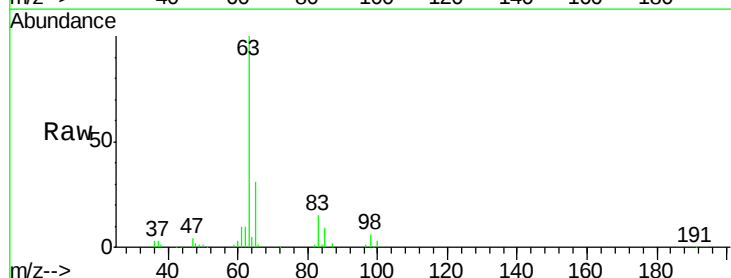
Tgt Ion: 63 Resp: 319125

Ion Ratio Lower Upper

63 100

98 6.3 2.4 7.2

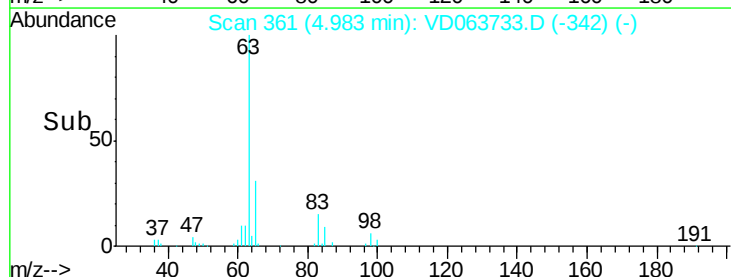
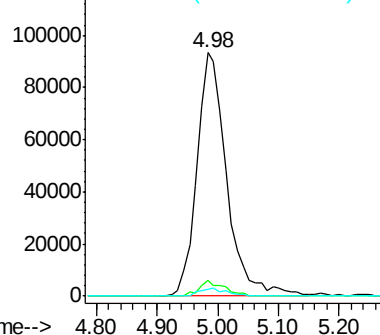
100 2.7 1.3 3.8

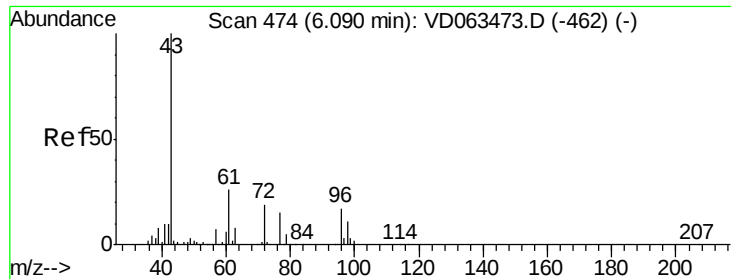


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 109.430 ug/l

RT: 6.09 min Scan# 473

Delta R.T. -0.00 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

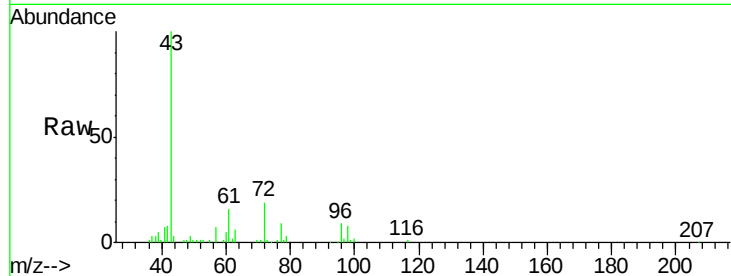
VD0822SBS01

Tot Ion: 43 Resp: 235524

Ion Ratio Lower Upper

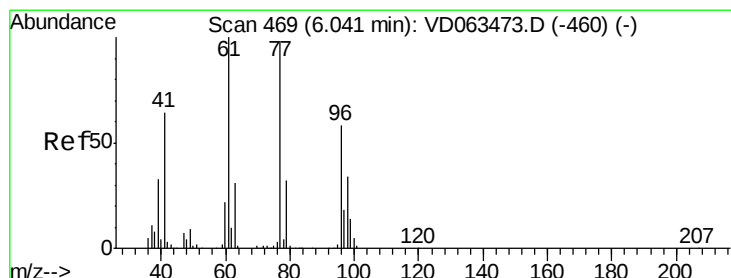
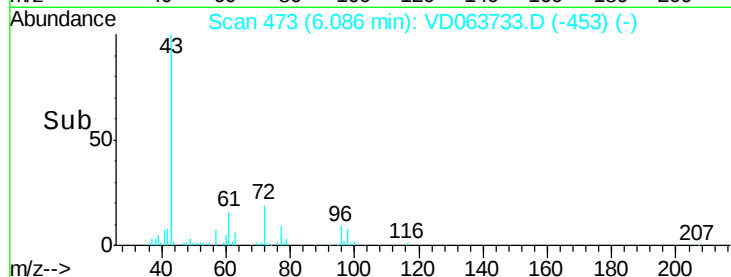
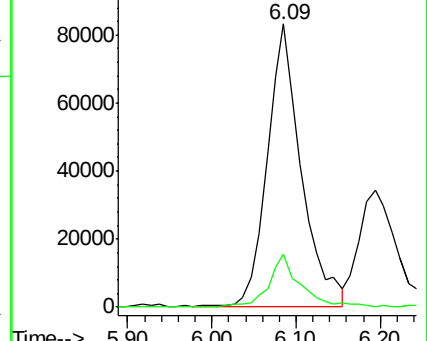
43 100

72 18.9 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.901 ug/l

RT: 6.03 min Scan# 467

Delta R.T. -0.01 min

Lab File: VD063733.D

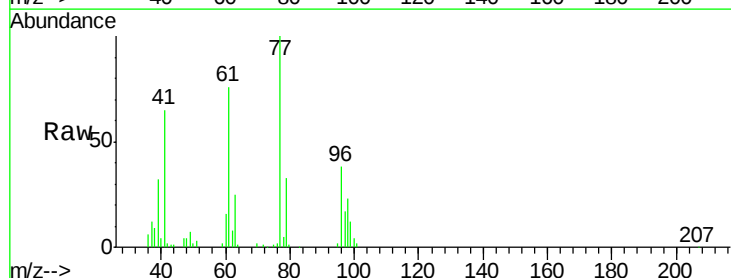
Acq: 22 Aug 2019 15:05

Tgt Ion: 77 Resp: 324599

Ion Ratio Lower Upper

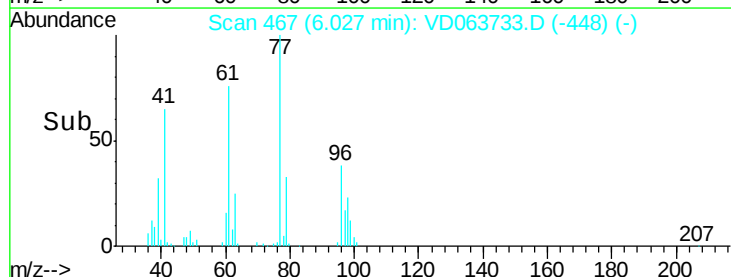
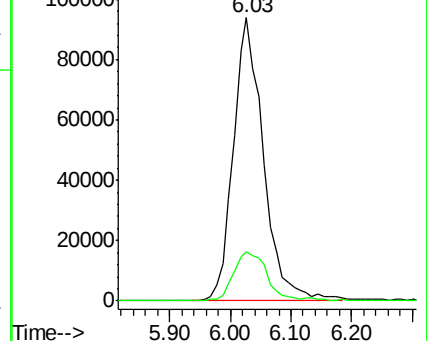
77 100

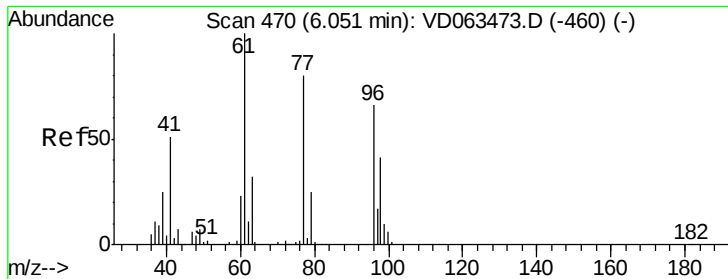
97 17.4 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



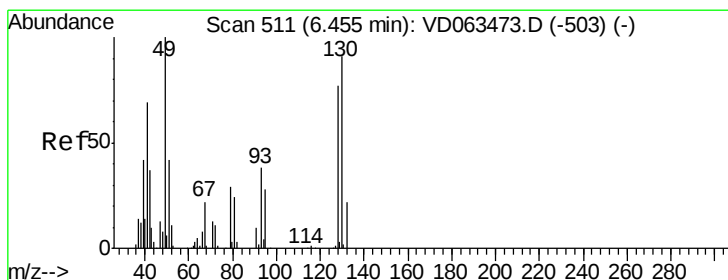
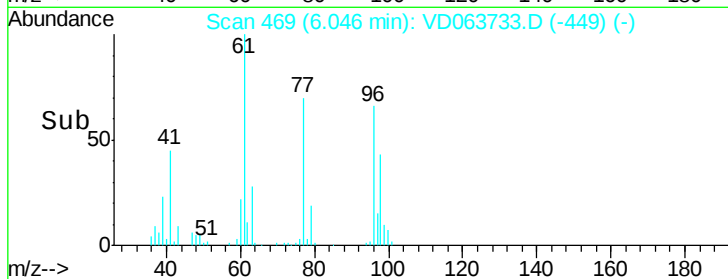
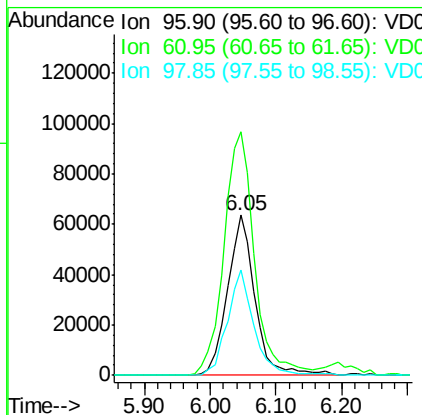
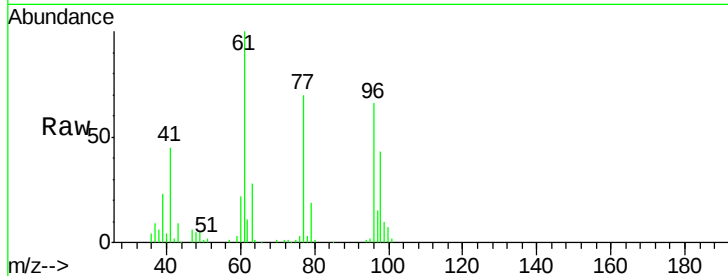


#27

cis-1,2-Dichloroethene
 Concen: 19.967 ug/l
 RT: 6.05 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VD063733.D
 Acq: 22 Aug 2019 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBS01

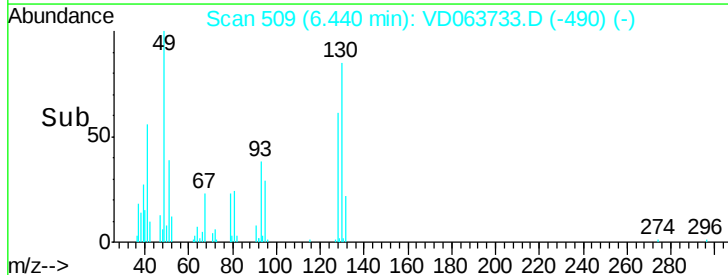
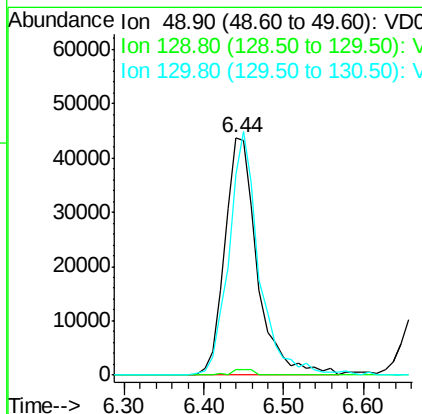
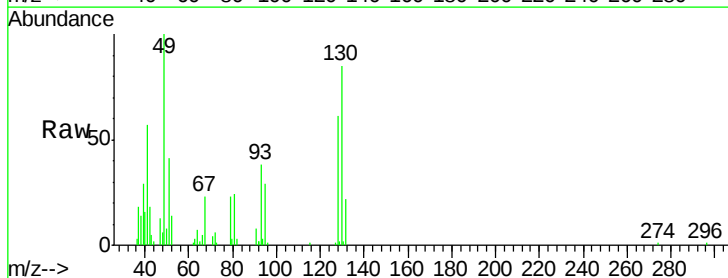
Tot Ion	96	Resp	186298
Ion	Ratio	Lower	Upper
96	100		
61	152.2	0.0	304.0
98	65.6	0.0	124.8



#28

Bromochloromethane
 Concen: 19.777 ug/l
 RT: 6.44 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD063733.D
 Acq: 22 Aug 2019 15:05

Tgt Ion	49	Resp	124975
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	6.4
130	84.6	72.4	108.6





#29

Tetrahydrofuran

Concen: 102.139 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBS01

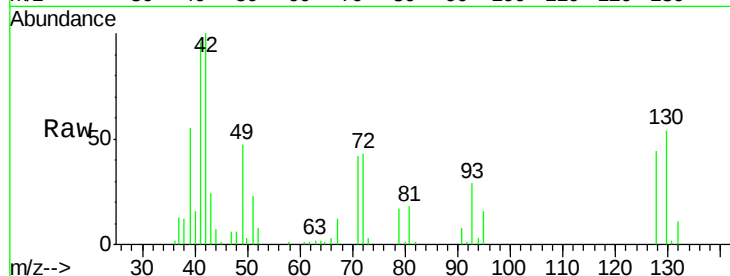
Tot Ion: 42 Resp: 102436

Ion Ratio Lower Upper

42 100

72 42.4 31.5 47.3

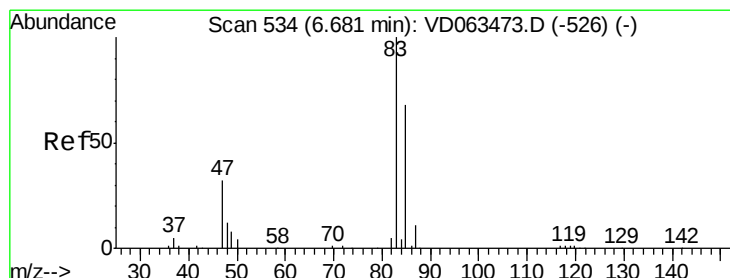
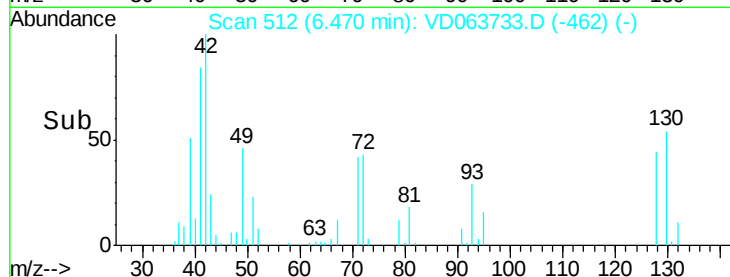
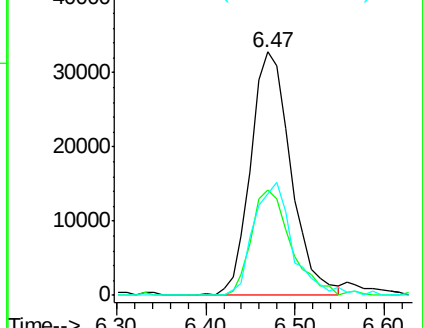
71 44.7 33.8 50.8



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.573 ug/l

RT: 6.68 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD063733.D

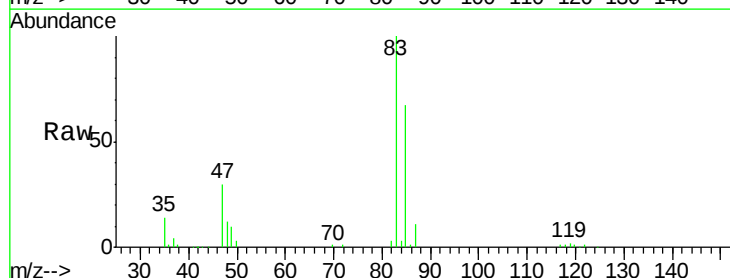
Acq: 22 Aug 2019 15:05

Tgt Ion: 83 Resp: 398711

Ion Ratio Lower Upper

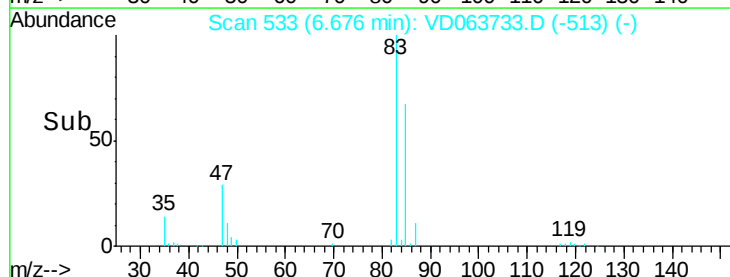
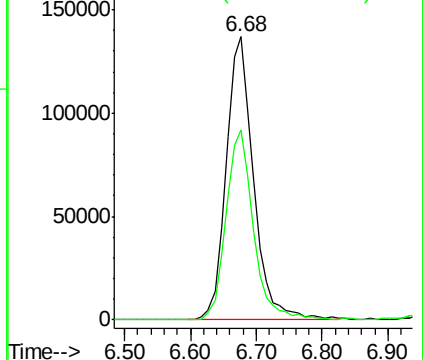
83 100

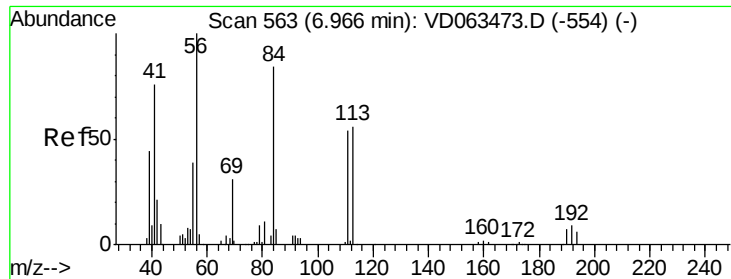
85 67.3 54.8 82.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 21.019 ug/l

RT: 6.96 min Scan# 562

Delta R.T. -0.00 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

Instrument :
MSVOA_D
ClientSampleId :
VD0822SBS01

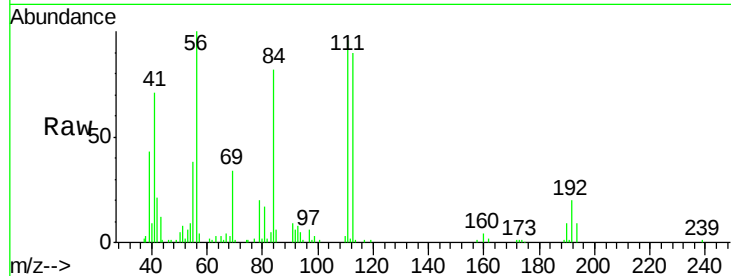
Tot Ion: 56 Resp: 203458

Ion Ratio Lower Upper

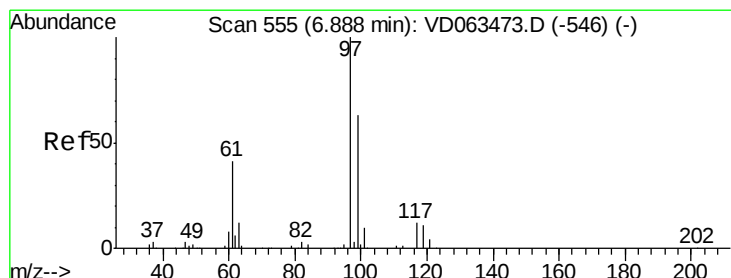
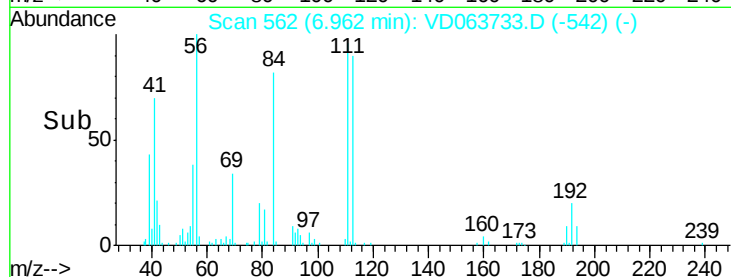
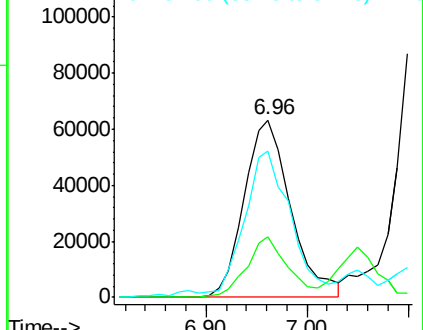
56 100

69 34.2 25.0 37.6

84 82.3 69.7 104.5



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: 20.137 ug/l

RT: 6.88 min Scan# 554

Delta R.T. -0.00 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

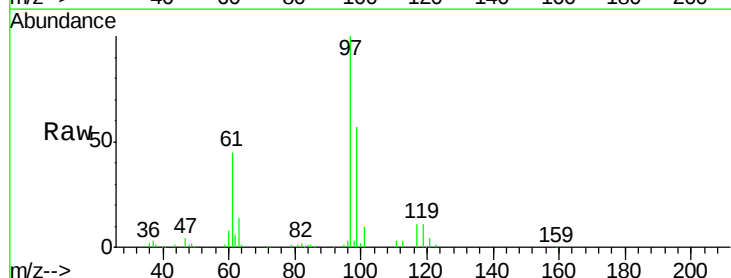
Tgt Ion: 97 Resp: 373329

Ion Ratio Lower Upper

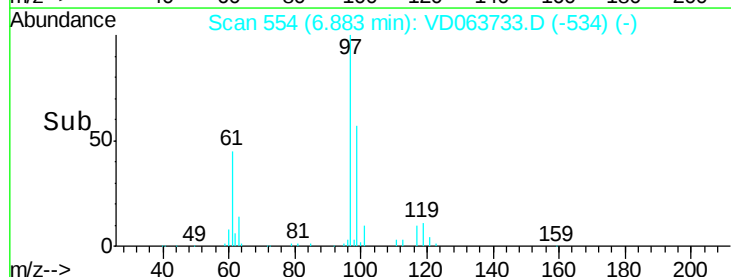
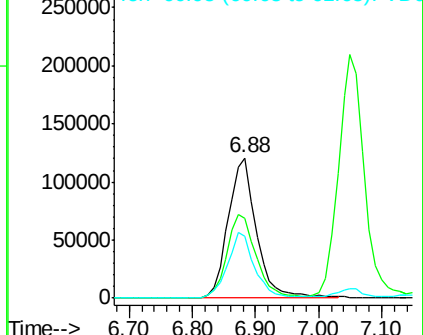
97 100

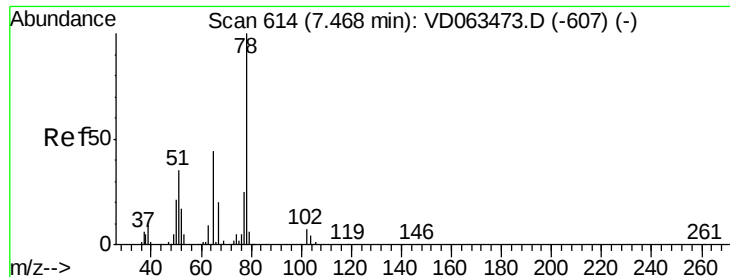
99 57.3 50.2 75.4

61 44.5 33.1 49.7



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: 47.010 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

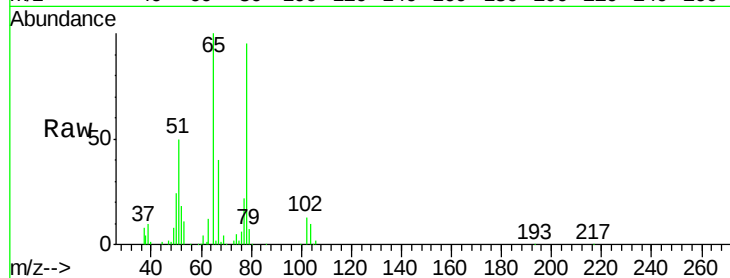
VD0822SBSD01

Tot Ion: 65 Resp: 503961

Ion Ratio Lower Upper

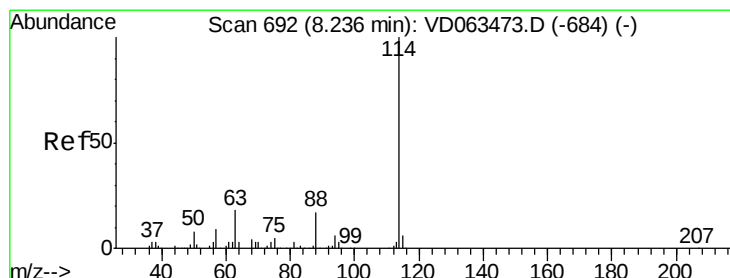
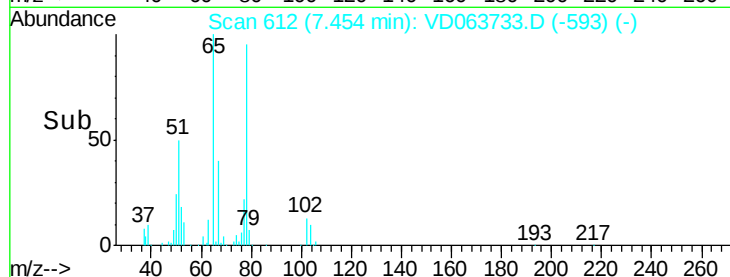
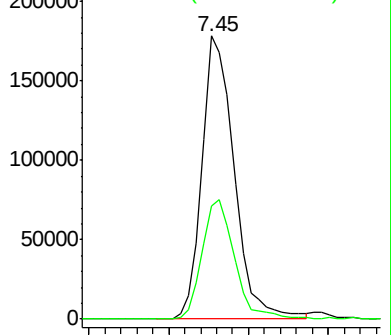
65 100

67 40.1 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

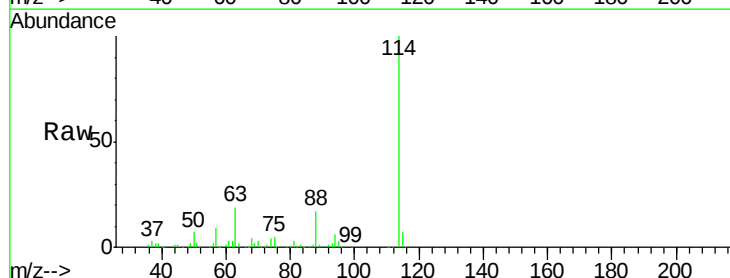
Tgt Ion: 114 Resp: 1355290

Ion Ratio Lower Upper

114 100

63 18.9 0.0 36.2

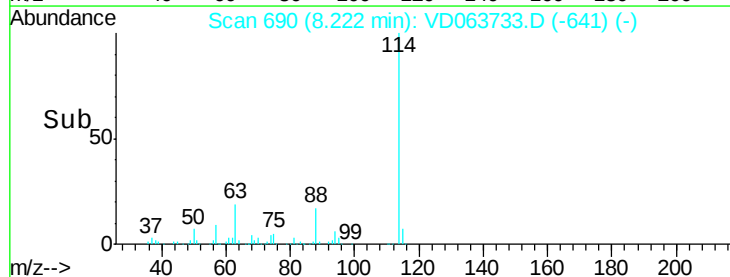
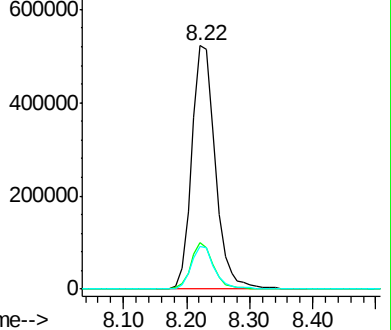
88 17.4 0.0 35.0

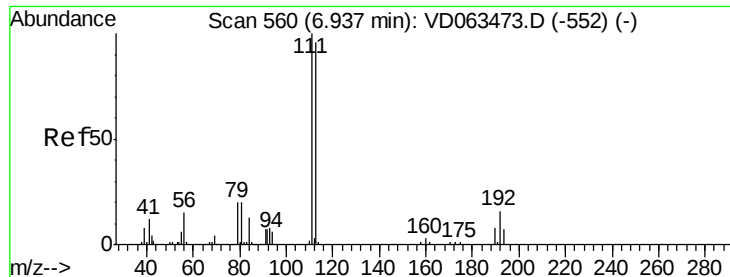


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 51.383 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBSD01

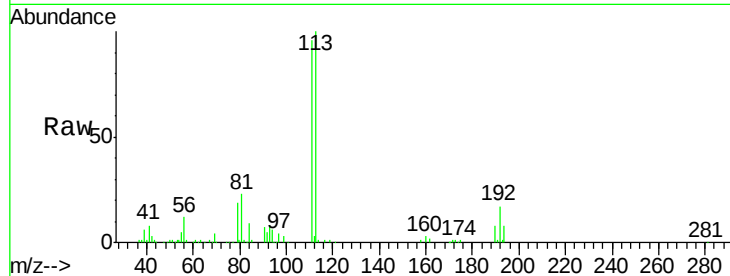
Tot Ion:113 Resp: 586500

Ion Ratio Lower Upper

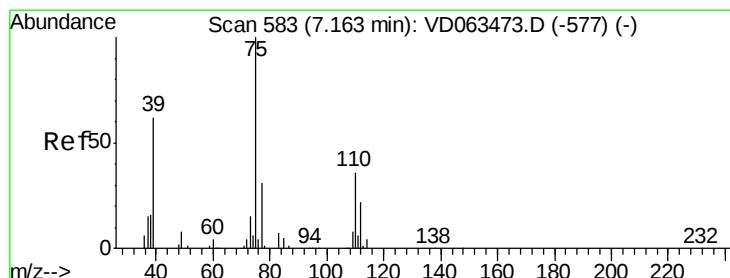
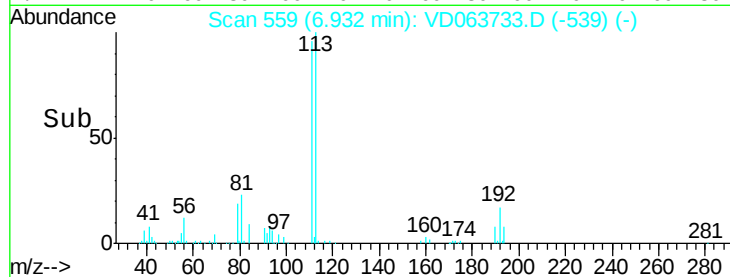
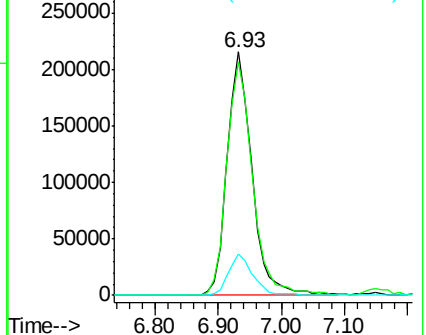
113 100

111 96.0 83.1 124.7

192 16.9 13.1 19.7



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: 22.671 ug/l

RT: 7.15 min Scan# 581

Delta R.T. -0.01 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

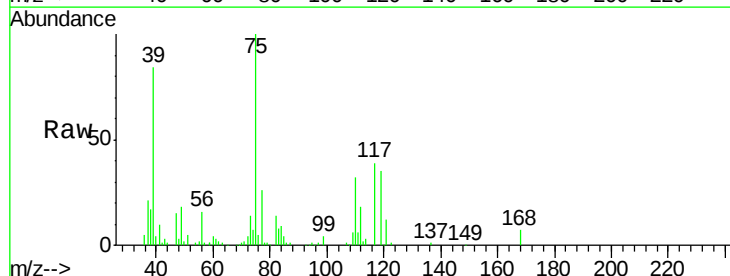
Tgt Ion: 75 Resp: 271625

Ion Ratio Lower Upper

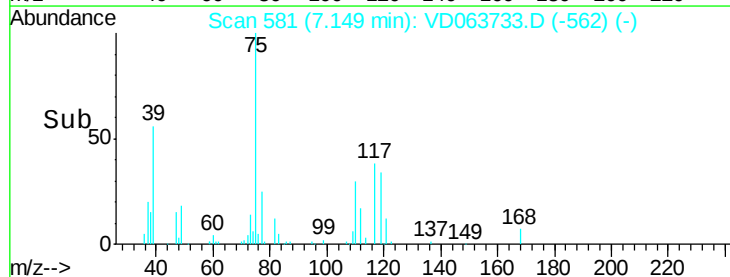
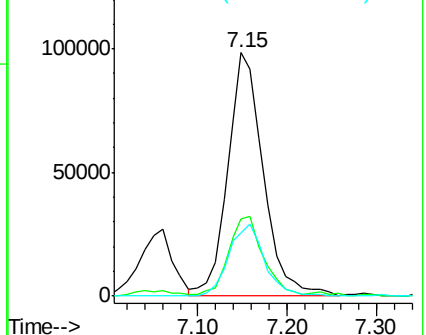
75 100

110 31.8 17.6 52.8

77 26.1 24.3 36.5



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

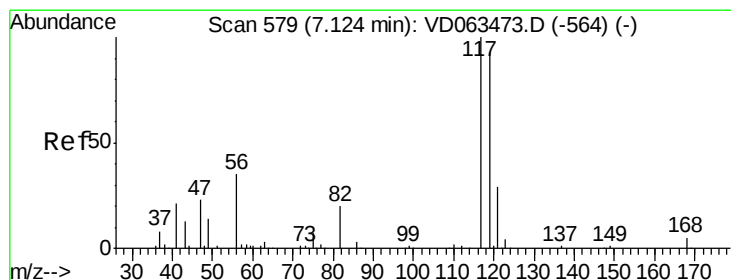
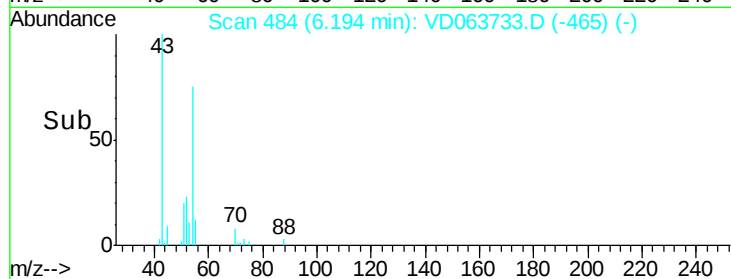
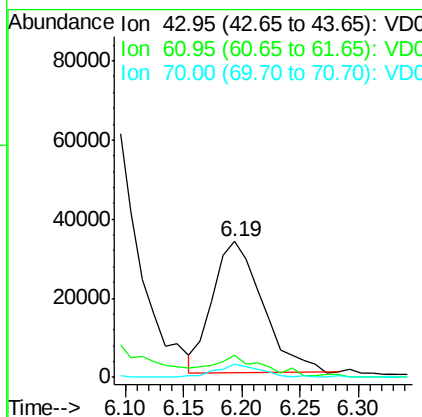
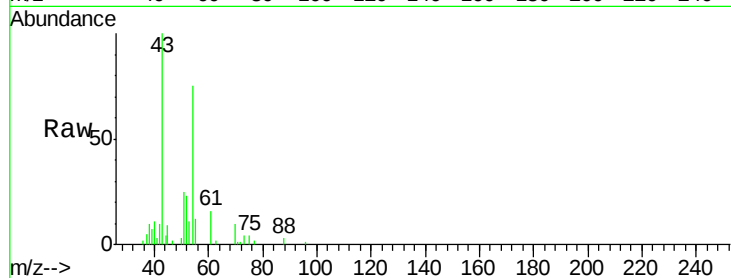




#37
Ethyl Acetate
Concen: 19.572 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.01 min
Lab File: VD063733.D
Acq: 22 Aug 2019 15:05

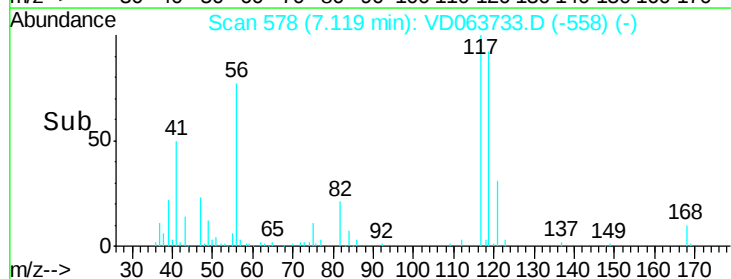
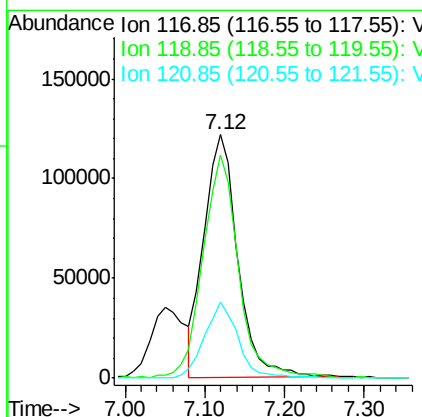
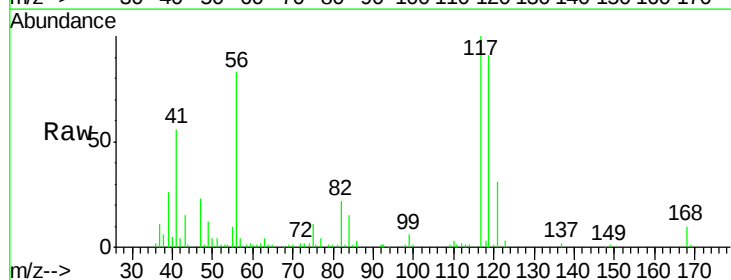
Instrument :
MSVOA_D
ClientSampleId :
VD0822SBSD01

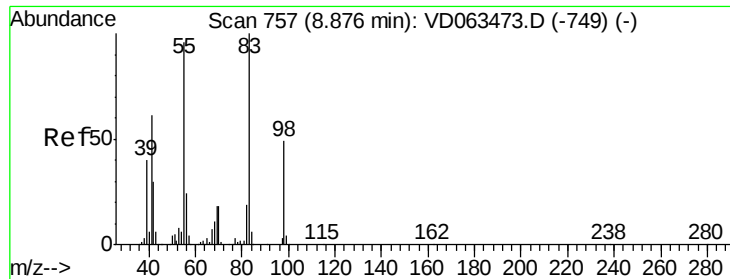
Tot Ion: 43 Resp: 98259
Ion Ratio Lower Upper
43 100
61 15.9 9.0 13.6#
70 9.5 6.9 10.3



#38
Carbon Tetrachloride
Concen: 19.789 ug/l
RT: 7.12 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD063733.D
Acq: 22 Aug 2019 15:05

Tgt Ion: 117 Resp: 357319
Ion Ratio Lower Upper
117 100
119 91.5 74.2 111.2
121 31.2 23.1 34.7

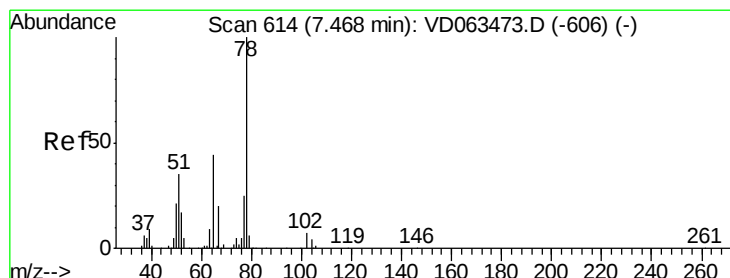
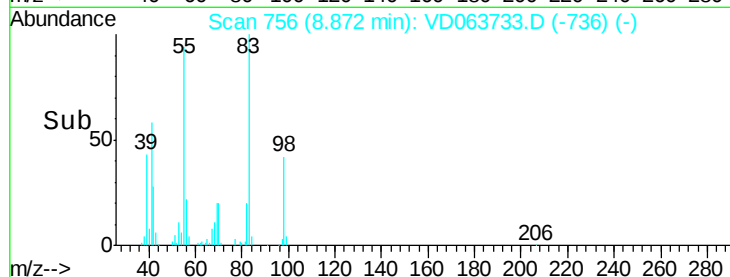
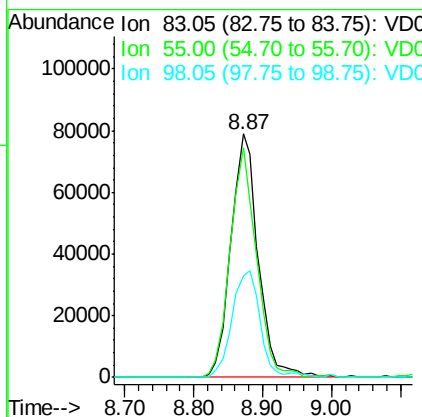
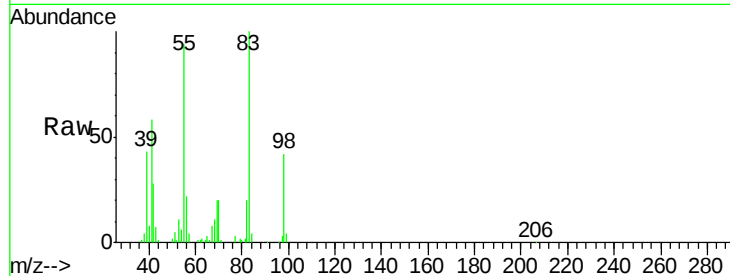




#39
Methylvlcvclohexane
Concen: 21.223 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.00 min
Lab File: VD063733.D
Acq: 22 Aug 2019 15:05

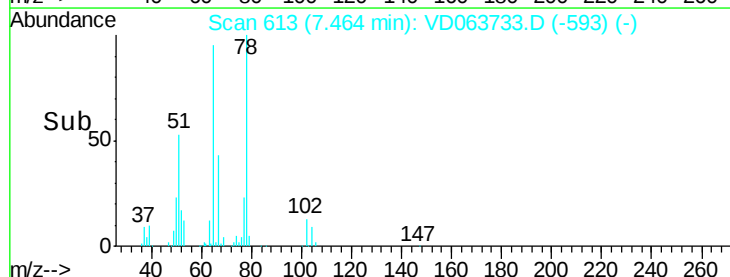
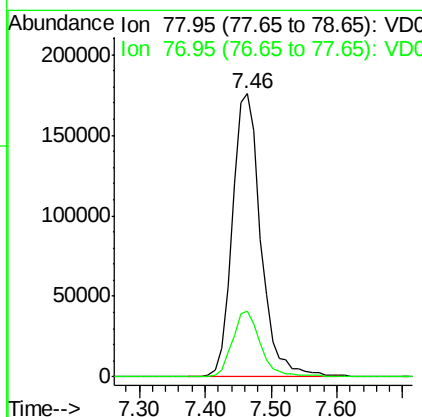
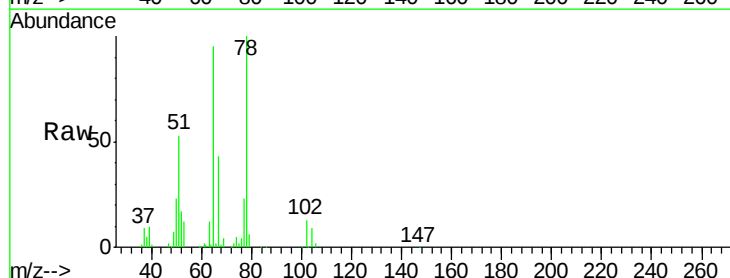
Instrument :
MSVOA_D
ClientSampleId :
VD0822SBSD01

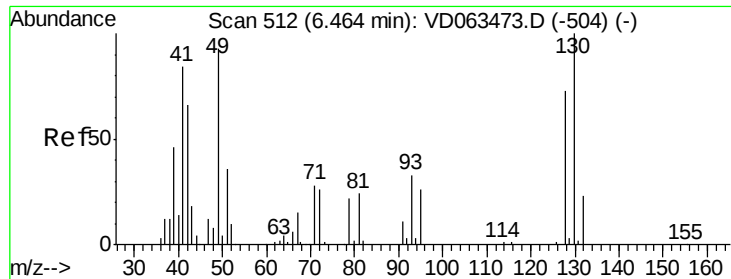
Tot Ion: 83 Resp: 216216
Ion Ratio Lower Upper
83 100
55 94.5 76.6 114.8
98 41.9 39.4 59.0



#40
Benzene
Concen: 20.168 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD063733.D
Acq: 22 Aug 2019 15:05

Tgt Ion: 78 Resp: 531763
Ion Ratio Lower Upper
78 100
77 23.4 20.1 30.1





#41

Methacrylonitrile

Concen: 22.873 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.00 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBSD01

Tot Ion: 41 Resp: 144588

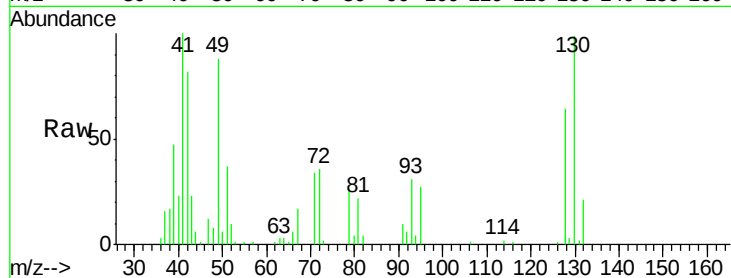
Ion Ratio Lower Upper

41 100

39 47.0 44.6 66.8

67 17.3 14.4 21.6

52 10.5 9.3 13.9

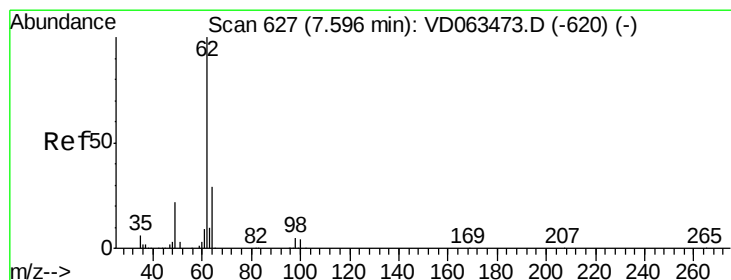
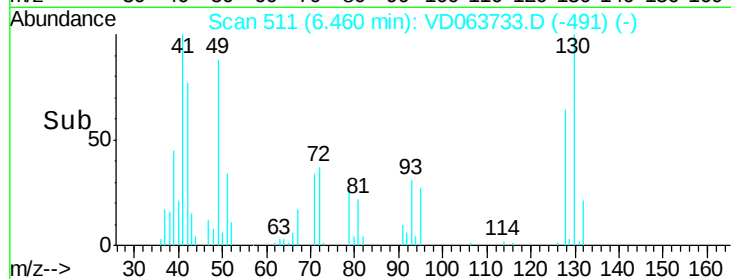
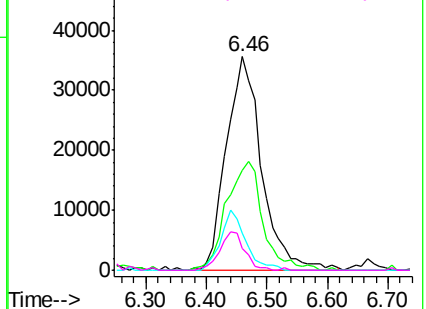


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 20.895 ug/l

RT: 7.59 min Scan# 626

Delta R.T. -0.00 min

Lab File: VD063733.D

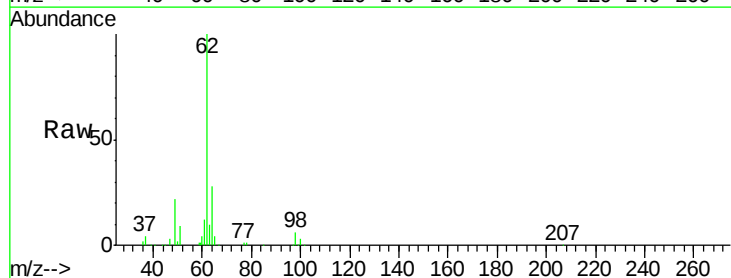
Acq: 22 Aug 2019 15:05

Tgt Ion: 62 Resp: 277010

Ion Ratio Lower Upper

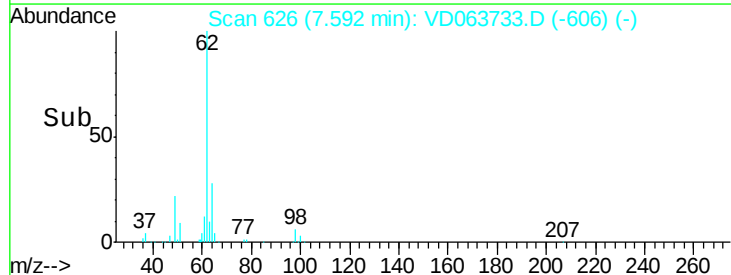
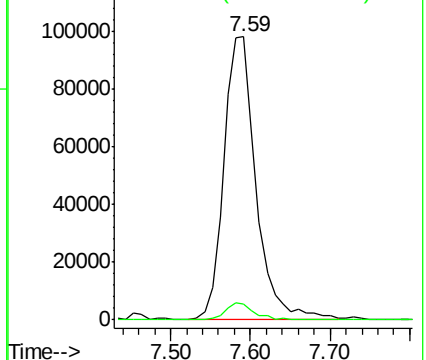
62 100

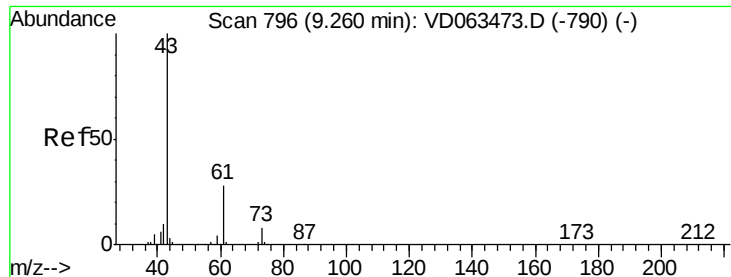
98 5.7 0.0 10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



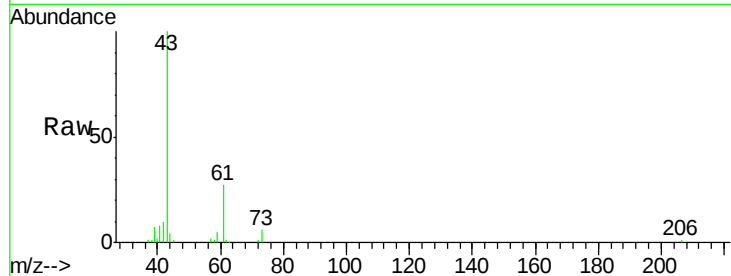


#43

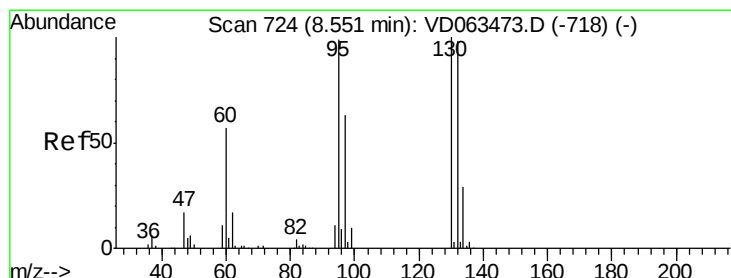
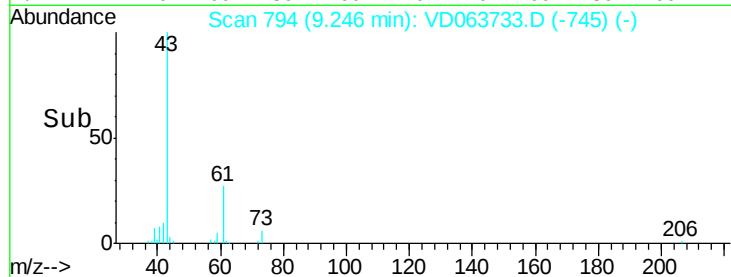
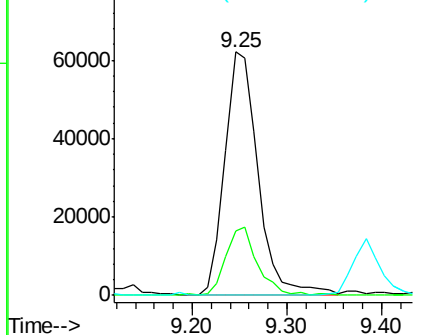
Isopropyl Acetate
 Concen: 22.532 ug/l
 RT: 9.25 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: VD063733.D
 Acq: 22 Aug 2019 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBS01

Tot Ion: 43 Resp: 151507
 Ion Ratio Lower Upper
 43 100
 61 26.7 22.2 33.2
 87 0.0 0.2 0.4#



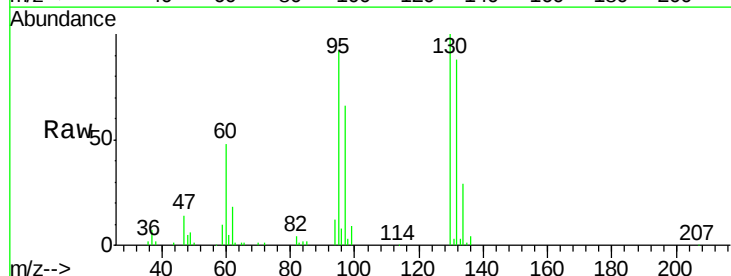
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



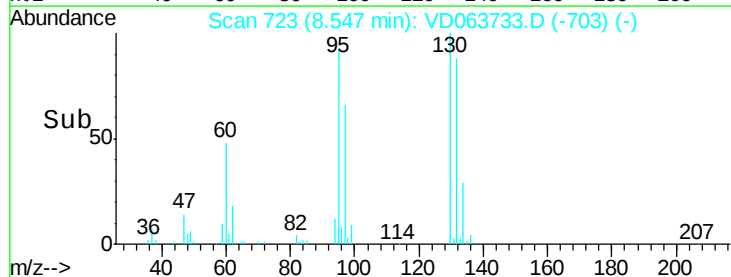
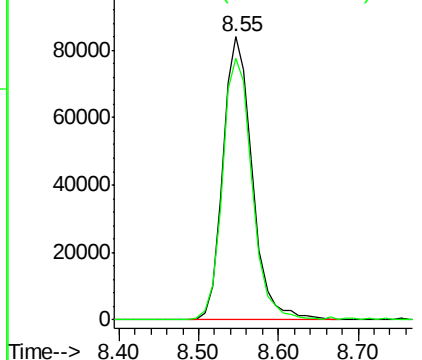
#44

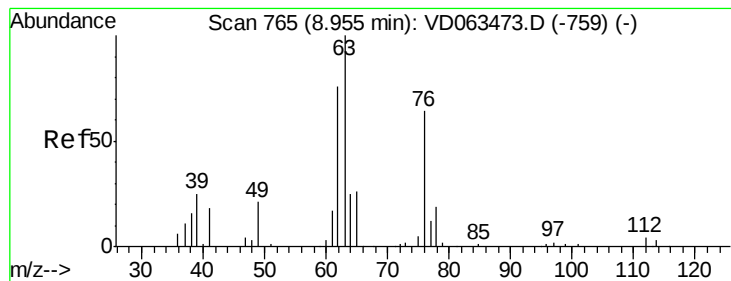
Trichloroethene
 Concen: 21.533 ug/l
 RT: 8.55 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: VD063733.D
 Acq: 22 Aug 2019 15:05

Tgt Ion: 130 Resp: 217006
 Ion Ratio Lower Upper
 130 100
 95 92.4 0.0 198.0



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





#45

1,2-Dichloropropane

Concen: 20.389 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

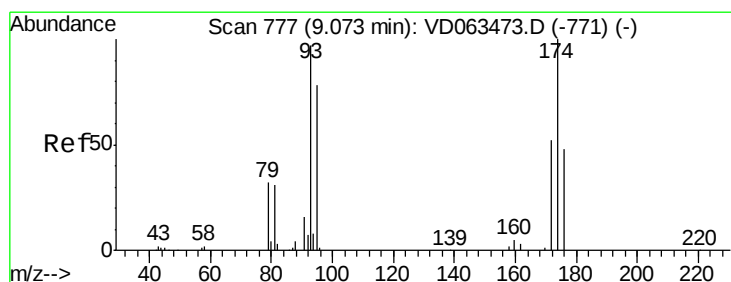
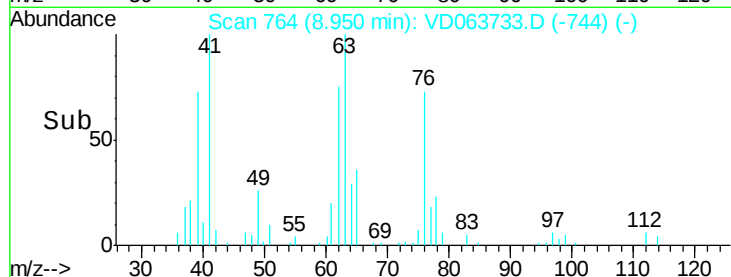
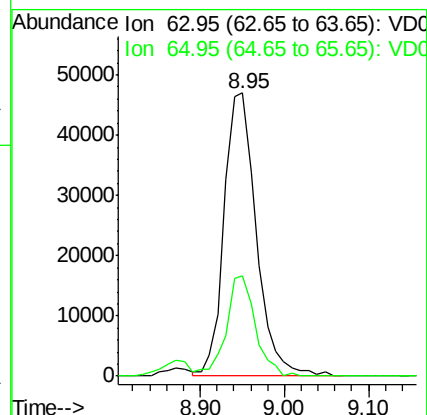
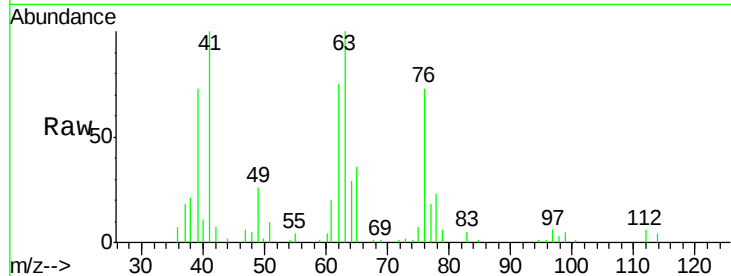
VD0822SBSD01

Tot Ion: 63 Resp: 125192

Ion Ratio Lower Upper

63 100

65 35.6 22.5 33.7#



#46

Dibromomethane

Concen: 21.842 ug/l

RT: 9.07 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

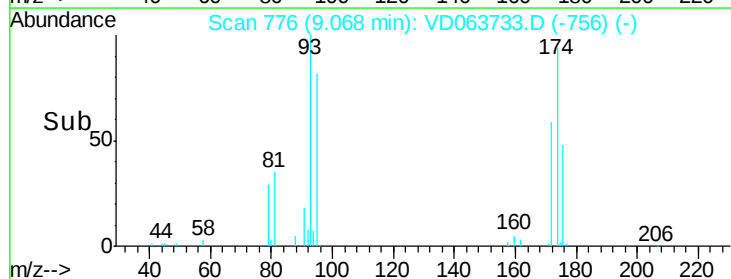
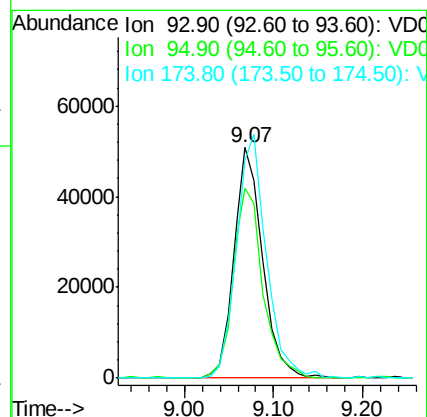
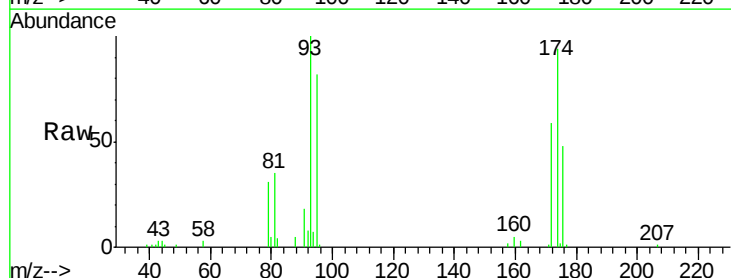
Tgt Ion: 93 Resp: 114526

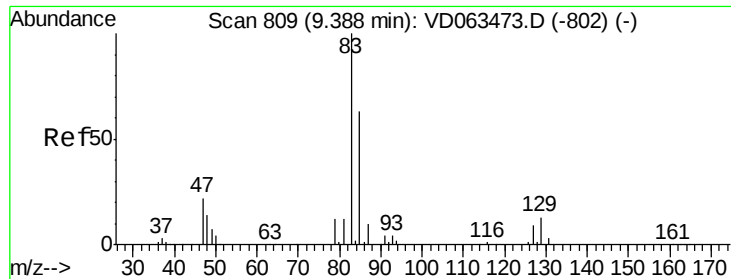
Ion Ratio Lower Upper

93 100

95 82.2 64.2 96.2

174 94.4 82.1 123.1





#47

Bromodichloromethane

Concen: 22.090 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBSD01

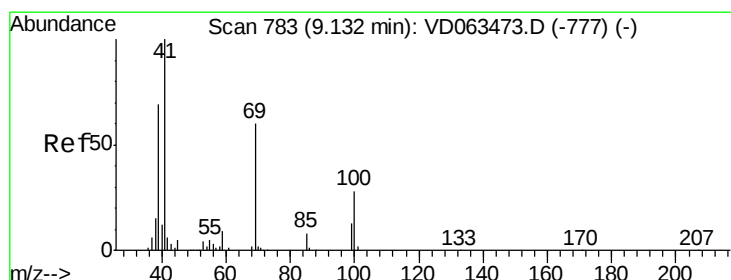
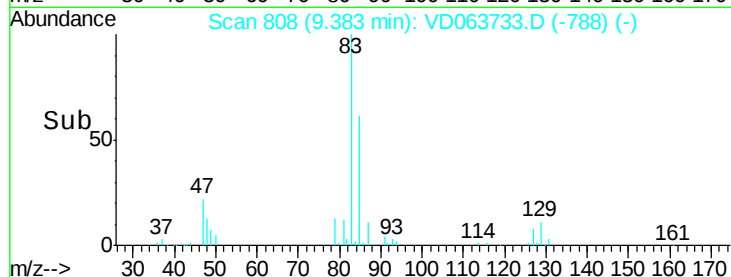
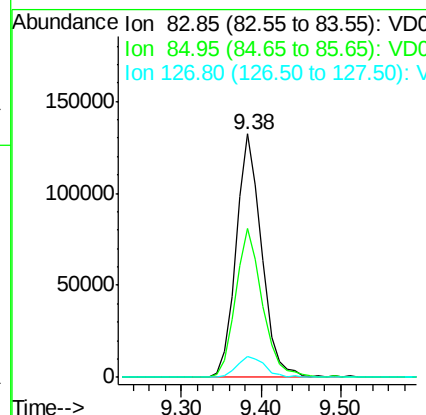
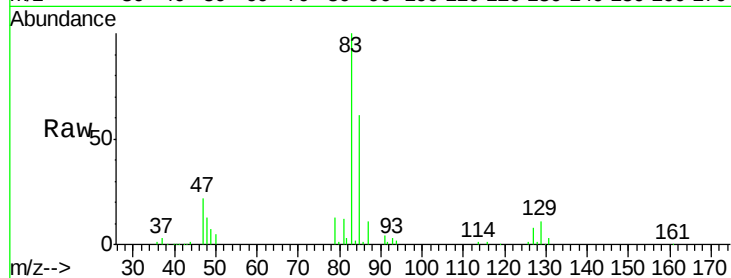
Tot Ion: 83 Resp: 297107

Ion Ratio Lower Upper

83 100

85 61.3 50.1 75.1

127 8.4 7.6 11.4



#48

Methyl methacrylate

Concen: 20.854 ug/l

RT: 9.14 min Scan# 783

Delta R.T. 0.01 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

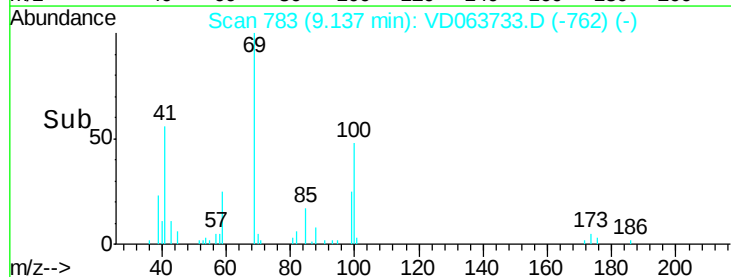
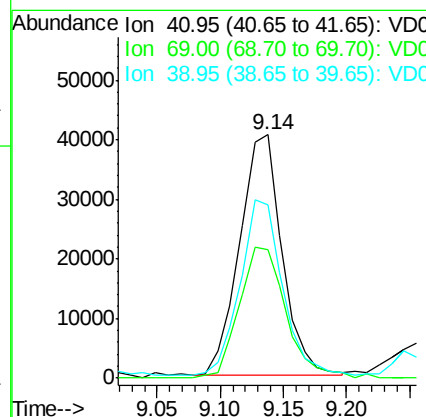
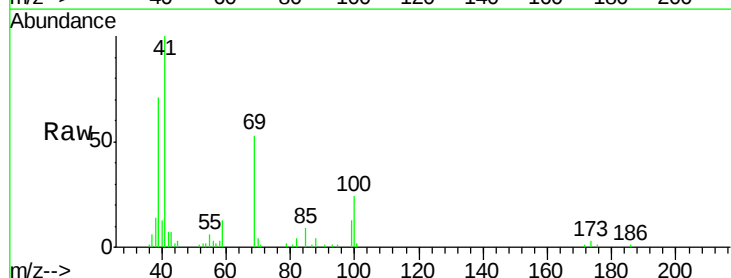
Tgt Ion: 41 Resp: 95093

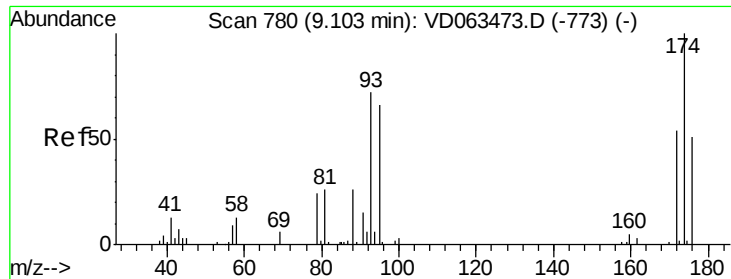
Ion Ratio Lower Upper

41 100

69 52.8 47.6 71.4

39 71.4 55.7 83.5

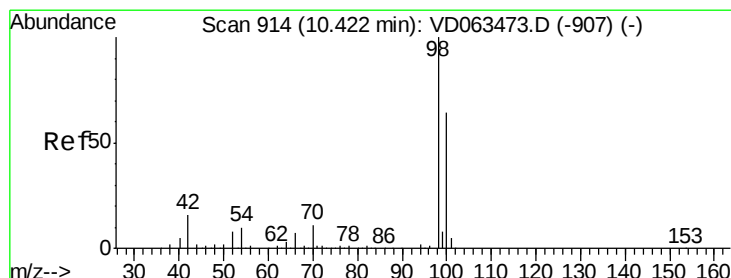
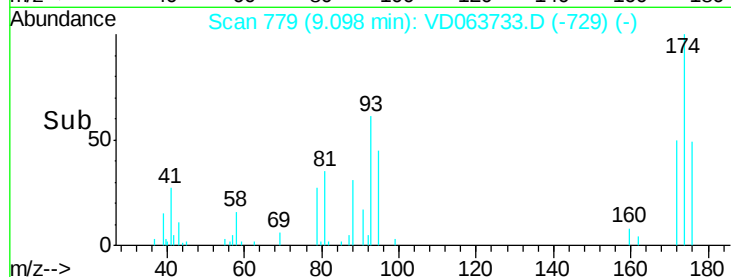
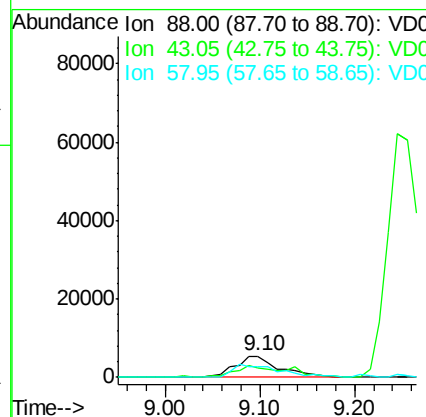
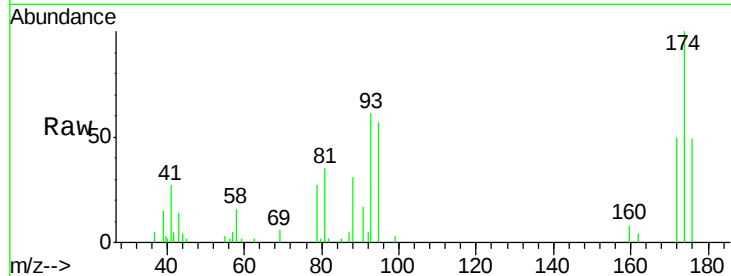




#49
1,4-Dioxane
Concen: 440.657 ug/l
RT: 9.10 min Scan# 779
Delta R.T. -0.00 min
Lab File: VD063733.D
Acq: 22 Aug 2019 15:05

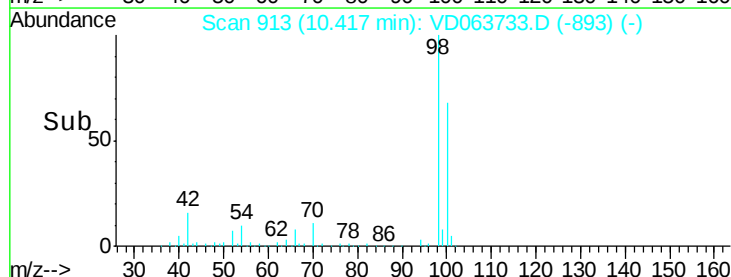
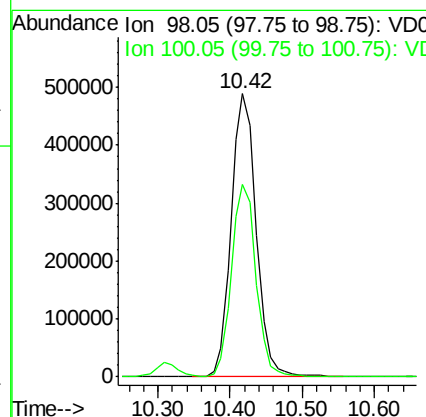
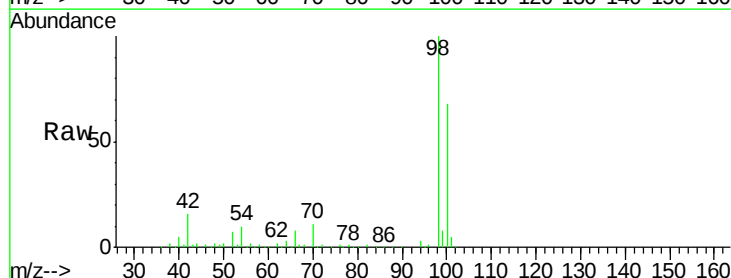
Instrument :
MSVOA_D
ClientSampleId :
VD0822SBSD01

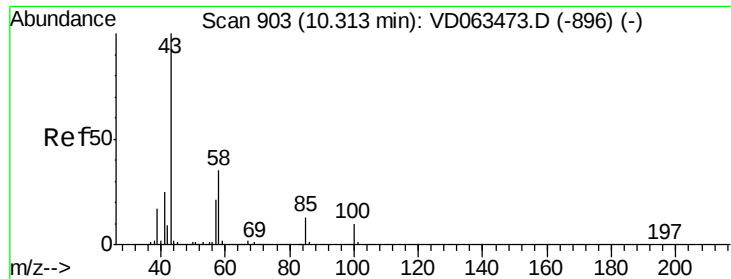
Tot Ion: 88 Resp: 17366
Ion Ratio Lower Upper
88 100
43 43.4 22.9 34.3#
58 50.5 40.1 60.1



#50
Toluene-d8
Concen: 46.987 ug/l
RT: 10.42 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD063733.D
Acq: 22 Aug 2019 15:05

Tgt Ion: 98 Resp: 1179131
Ion Ratio Lower Upper
98 100
100 67.8 51.7 77.5

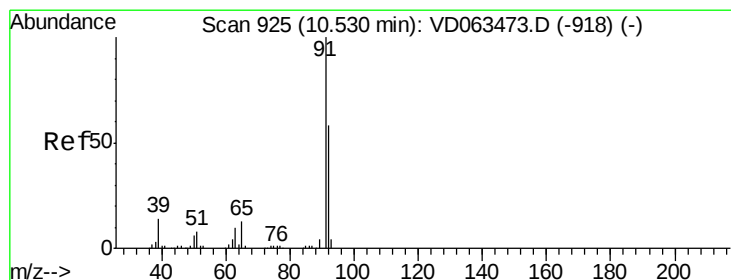
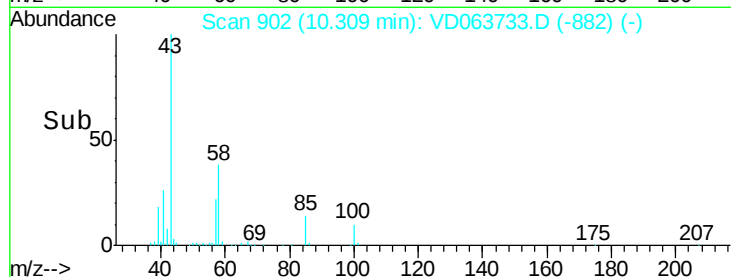
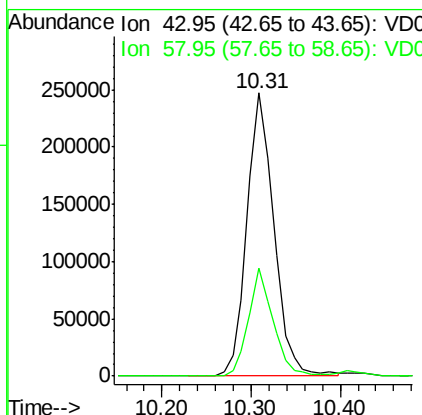
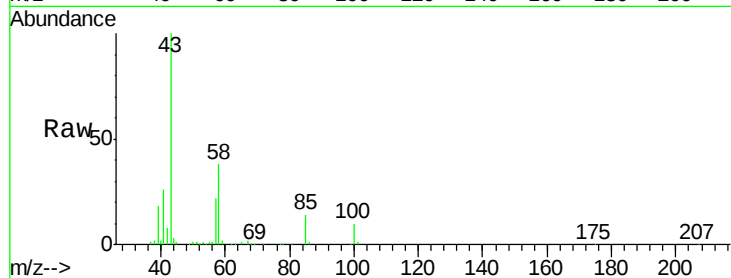




#51
 4-Methyl-2-Pentanone
 Concen: 112.701 ug/l
 RT: 10.31 min Scan# 902
 Delta R.T. -0.00 min
 Lab File: VD063733.D
 Acq: 22 Aug 2019 15:05

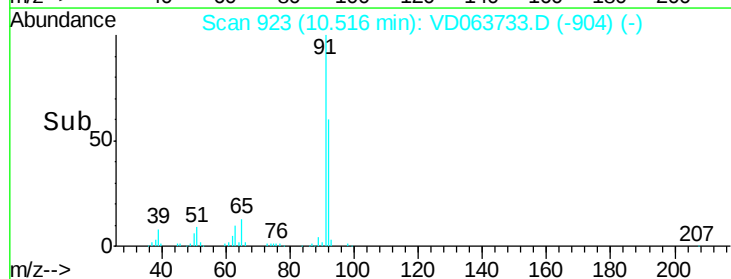
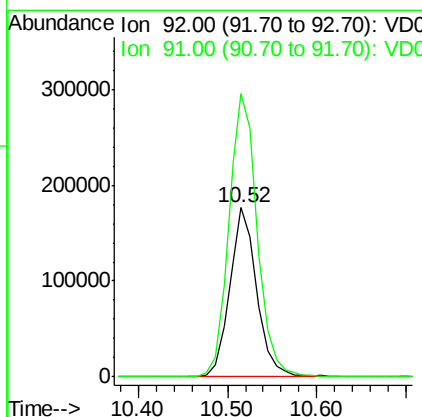
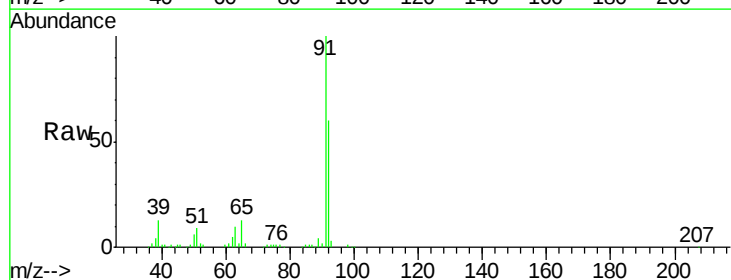
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0822SBS01

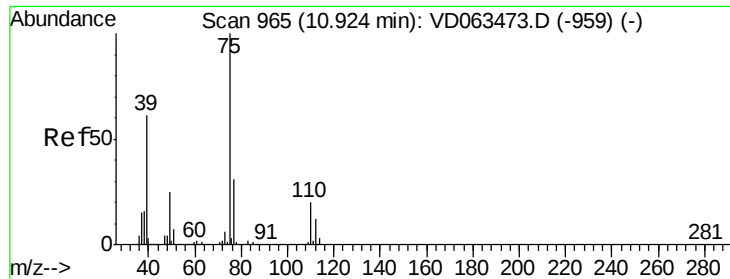
Tot Ion: 43 Resp: 518540
 Ion Ratio Lower Upper
 43 100
 58 38.1 28.0 42.0



#52
 Toluene
 Concen: 21.942 ug/l
 RT: 10.52 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: VD063733.D
 Acq: 22 Aug 2019 15:05

Tgt Ion: 92 Resp: 372627
 Ion Ratio Lower Upper
 92 100
 91 167.1 137.9 206.9

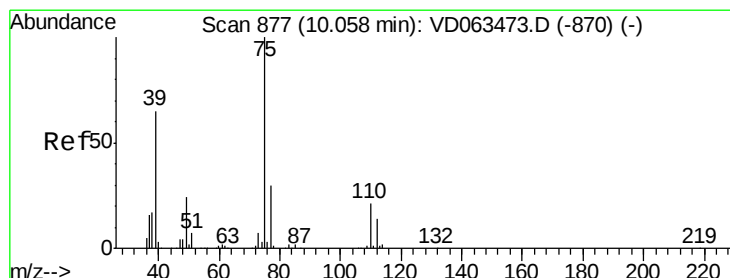
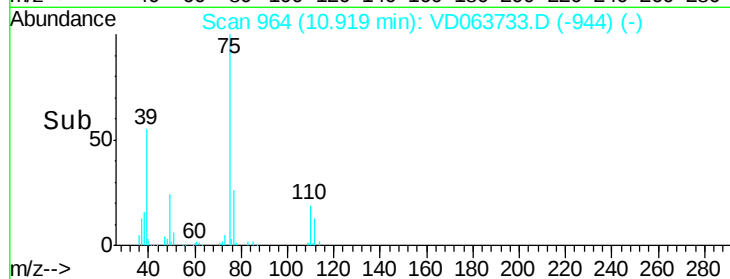
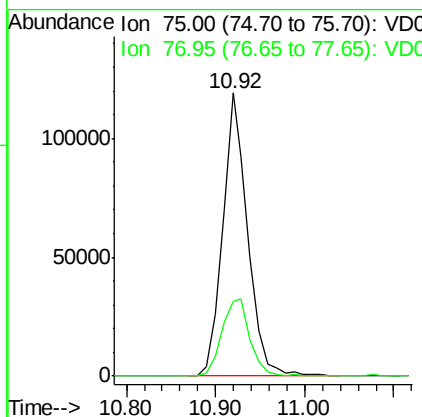
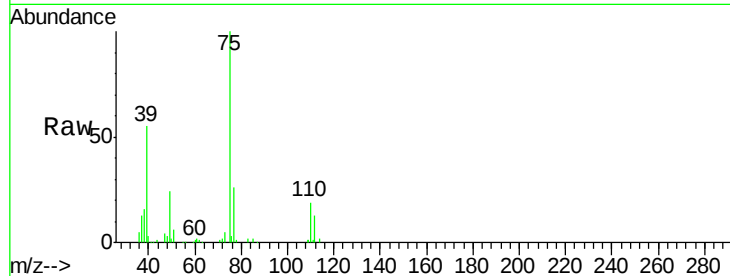




#53
 t-1,3-Dichloropropene
 Concen: 21.197 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VD063733.D
 Acq: 22 Aug 2019 15:05

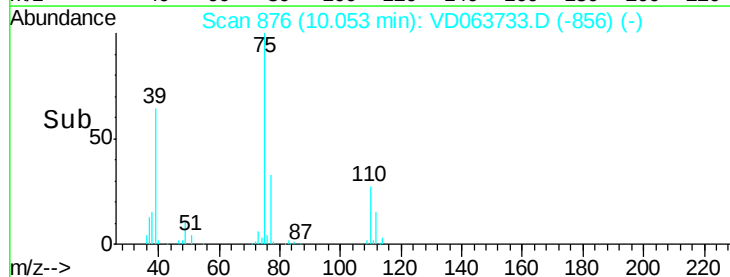
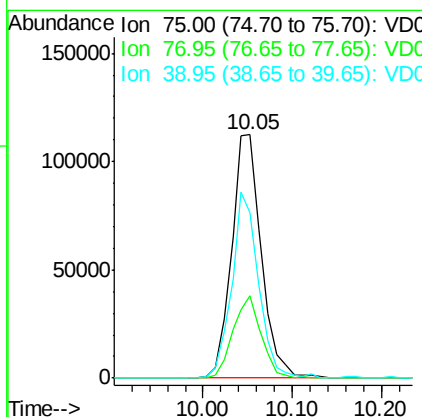
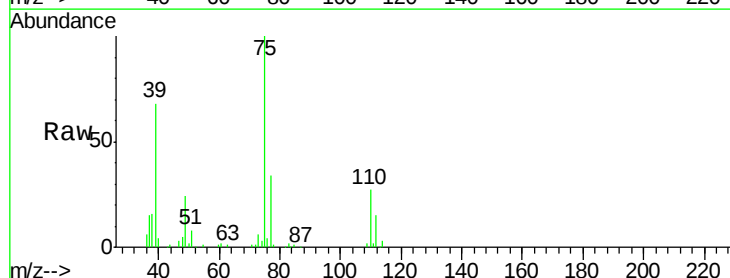
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBS01

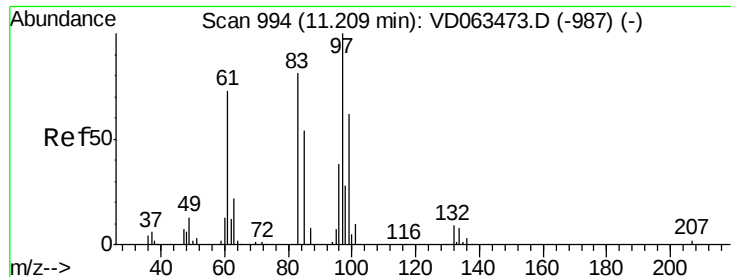
Tot Ion: 75 Resp: 232671
 Ion Ratio Lower Upper
 75 100
 77 26.2 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 21.158 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. -0.00 min
 Lab File: VD063733.D
 Acq: 22 Aug 2019 15:05

Tgt Ion: 75 Resp: 261866
 Ion Ratio Lower Upper
 75 100
 77 33.6 23.7 35.5
 39 67.8 52.2 78.4

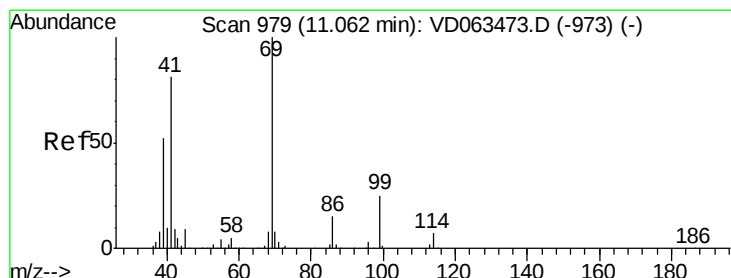
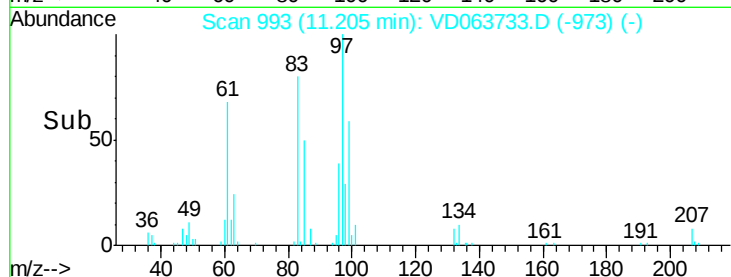
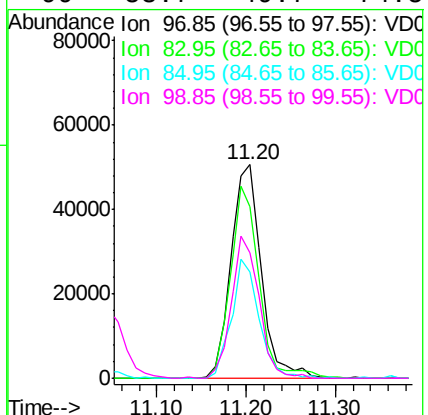
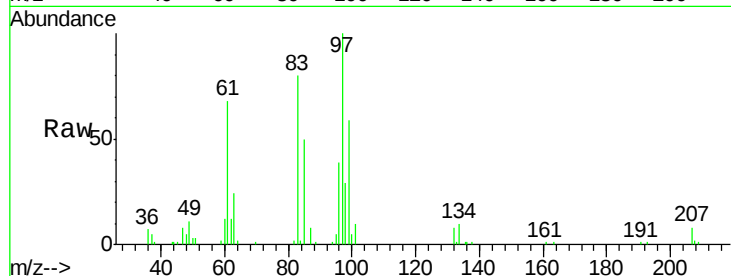




#55
 1,1,2-Trichloroethane
 Concen: 21.012 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VD063733.D
 Acq: 22 Aug 2019 15:05

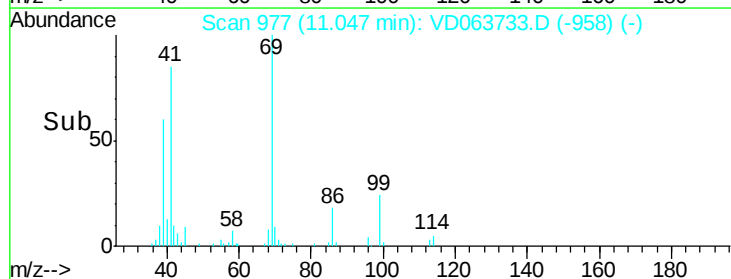
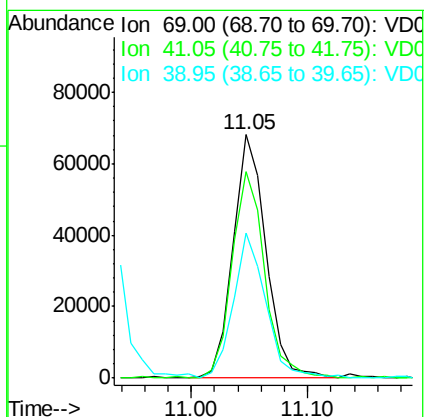
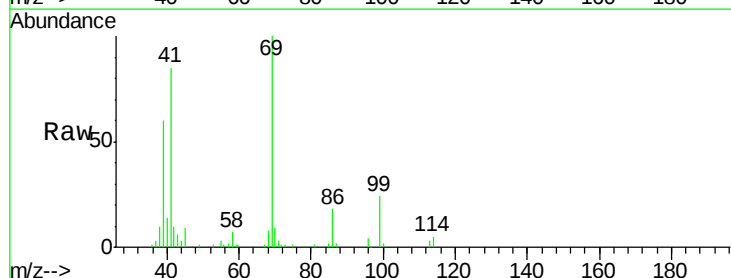
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBSD01

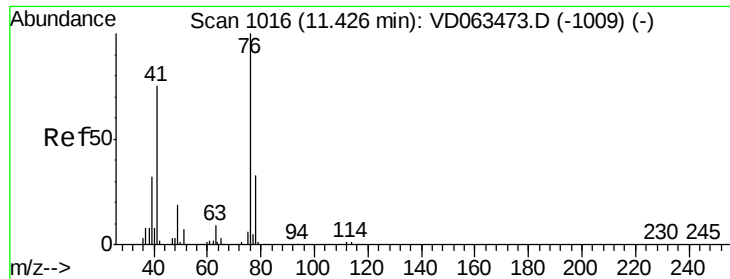
Tot Ion:	97	Resp:	120535
Ion	Ratio	Lower	Upper
97	100		
83	80.4	64.7	97.1
85	49.8	42.9	64.3
99	58.7	49.7	74.5



#56
 Ethyl methacrylate
 Concen: 21.408 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VD063733.D
 Acq: 22 Aug 2019 15:05

Tgt Ion:	69	Resp:	133296
Ion	Ratio	Lower	Upper
69	100		
41	84.8	64.8	97.2
39	59.6	42.4	63.6





#57

1,3-Dichloropropane

Concen: 22.019 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

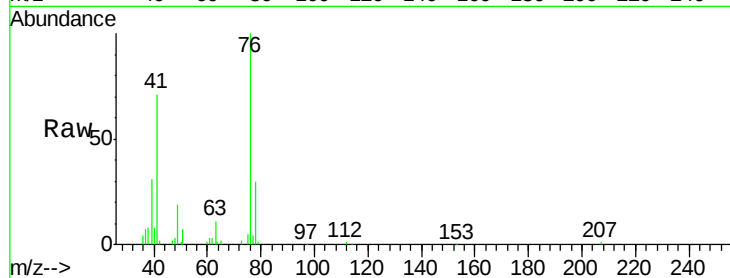
VD0822SBS01

Tot Ion: 76 Resp: 190934

Ion Ratio Lower Upper

76 100

78 30.5 26.3 39.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.42

100000

80000

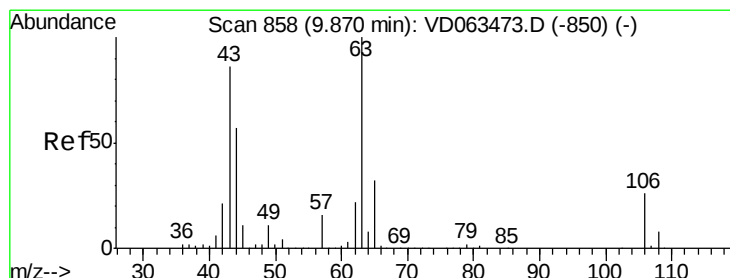
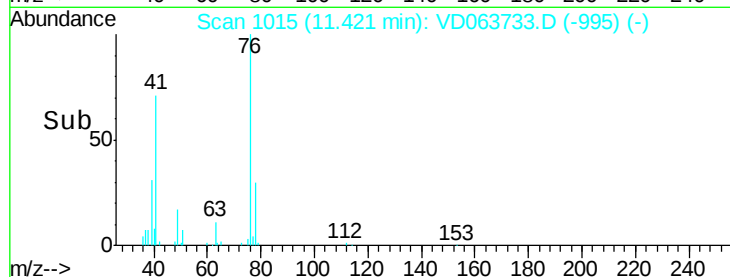
60000

40000

20000

0

Time--> 11.30 11.40 11.50



#58

2-Chloroethyl Vinyl ether

Concen: 109.527 ug/l

RT: 9.87 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD063733.D

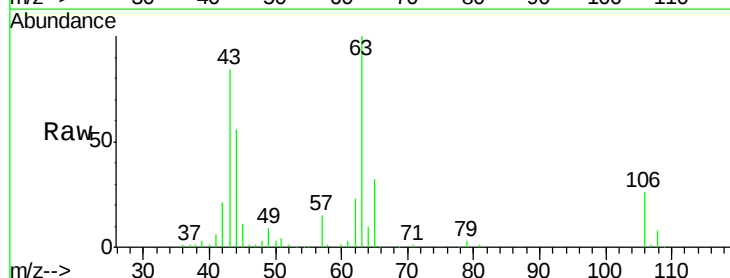
Acq: 22 Aug 2019 15:05

Tgt Ion: 63 Resp: 360030

Ion Ratio Lower Upper

63 100

106 26.4 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.87

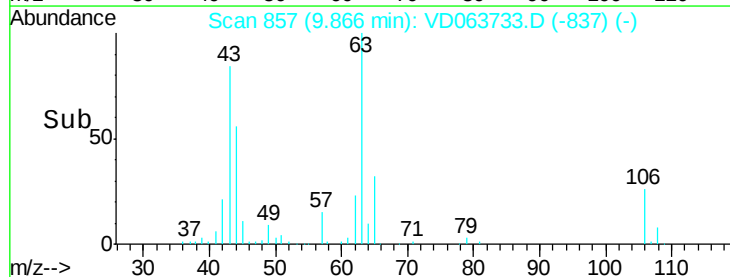
150000

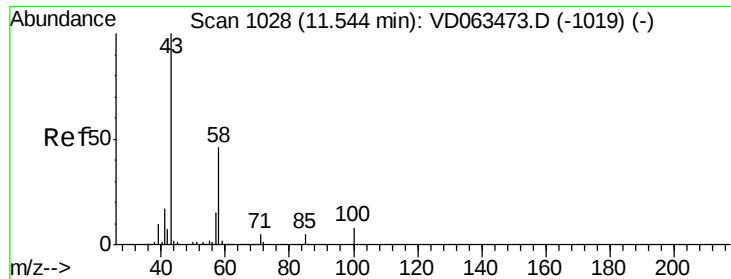
100000

50000

0

Time--> 9.70 9.80 9.90 10.00

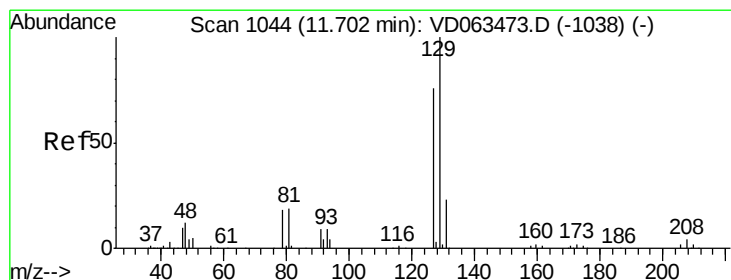
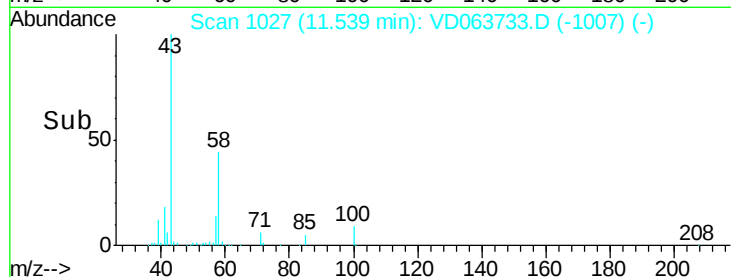
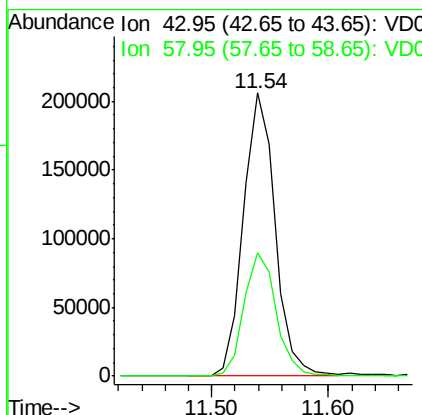
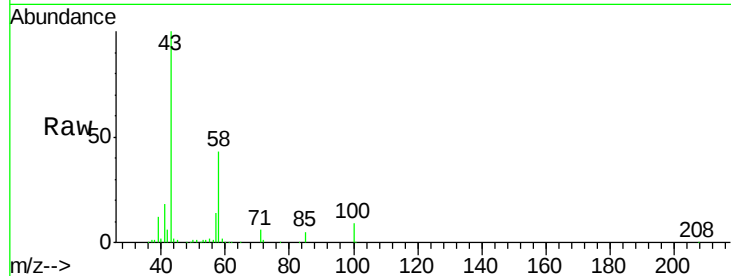




#59
2-Hexanone
Concen: 116.258 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD063733.D
Acq: 22 Aug 2019 15:05

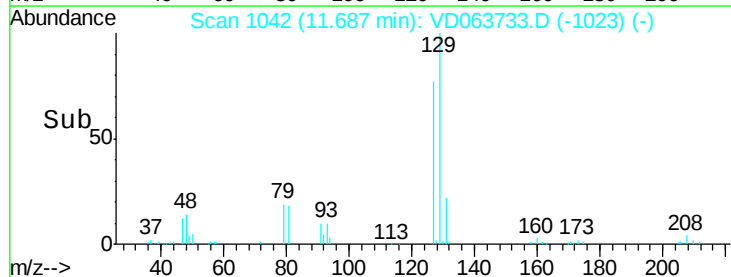
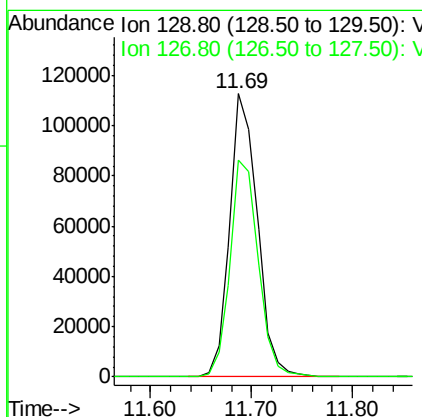
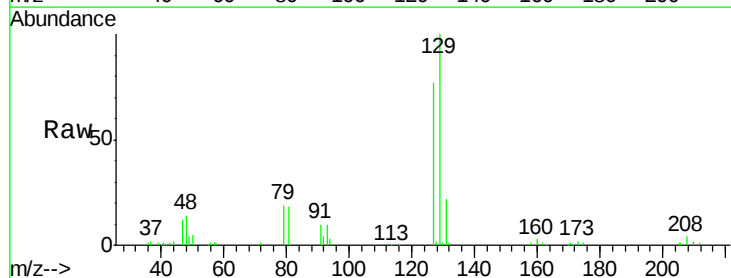
Instrument :
MSVOA_D
ClientSampleId :
VD0822SBS01

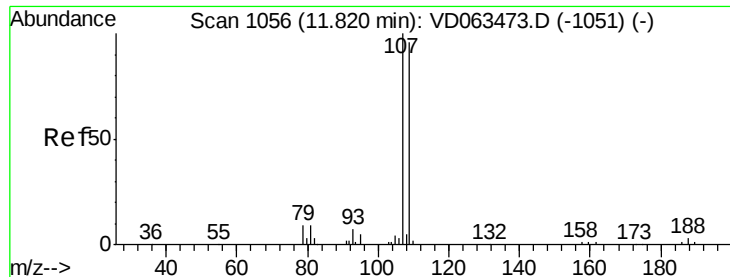
Tot Ion: 43 Resp: 389212
Ion Ratio Lower Upper
43 100
58 43.4 23.1 69.2



#60
Dibromochloromethane
Concen: 20.622 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD063733.D
Acq: 22 Aug 2019 15:05

Tgt Ion: 129 Resp: 215268
Ion Ratio Lower Upper
129 100
127 76.5 37.8 113.4





#61

1,2-Dibromoethane

Concen: 21.625 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

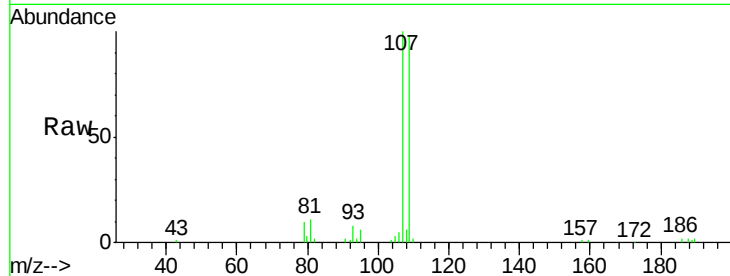
VD0822SBSD01

Tot Ion:107 Resp: 150174

Ion Ratio Lower Upper

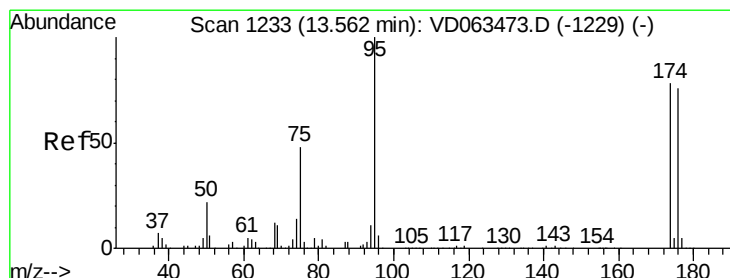
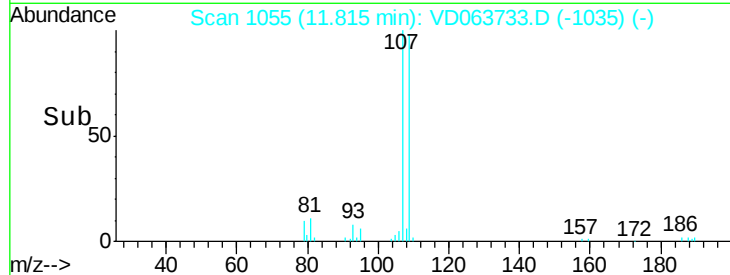
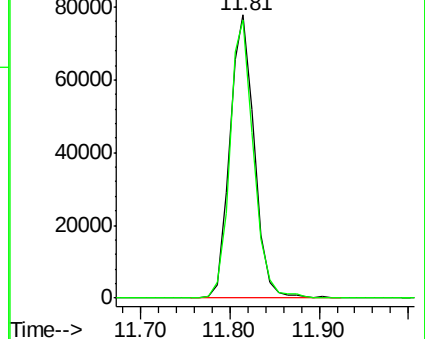
107 100

109 98.3 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 49.249 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

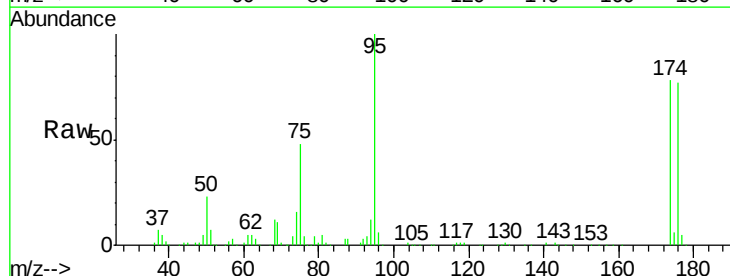
Tgt Ion: 95 Resp: 560163

Ion Ratio Lower Upper

95 100

174 77.8 0.0 155.4

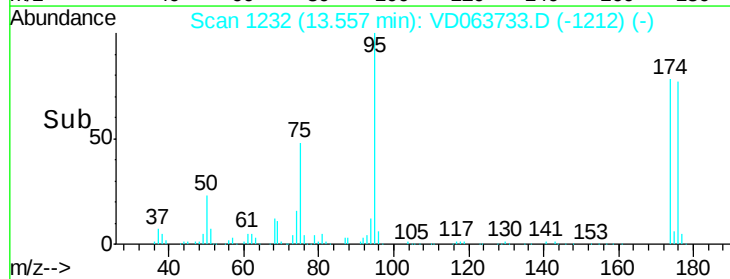
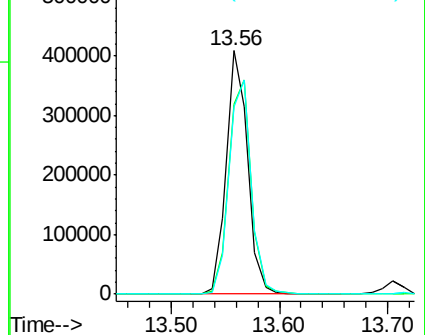
176 77.0 0.0 152.4

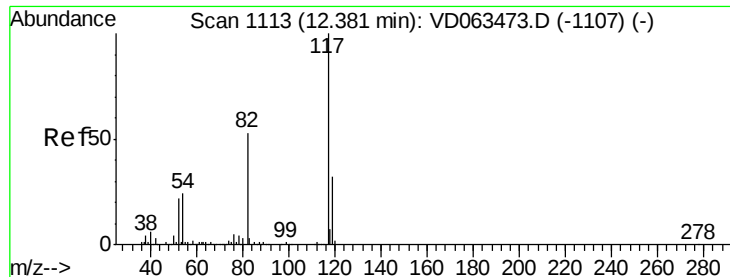


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

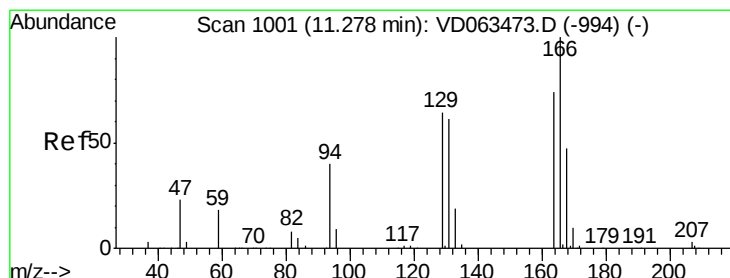
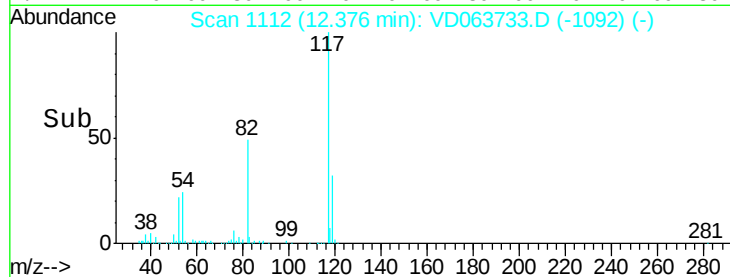
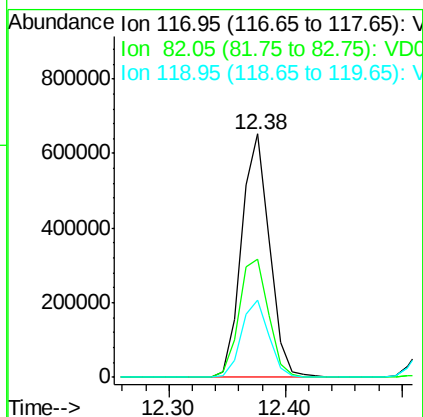
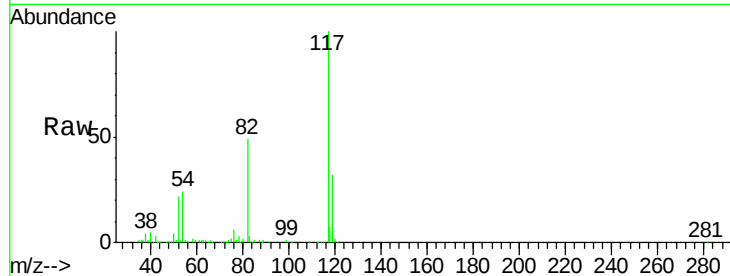




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063733.D
Acq: 22 Aug 2019 15:05

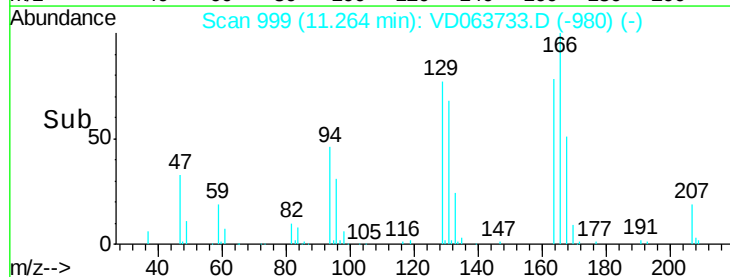
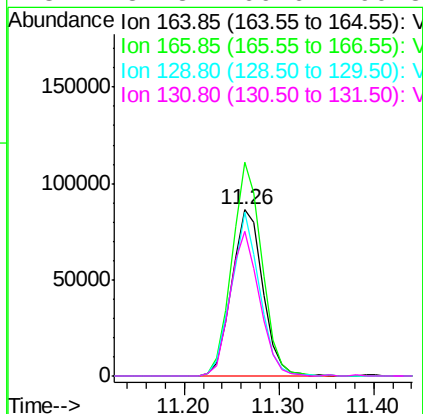
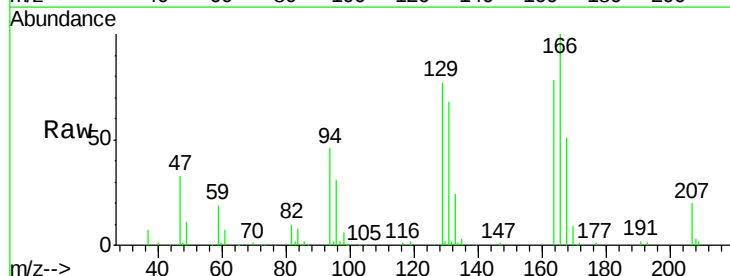
Instrument :
MSVOA_D
ClientSampleId :
VD0822SBSD01

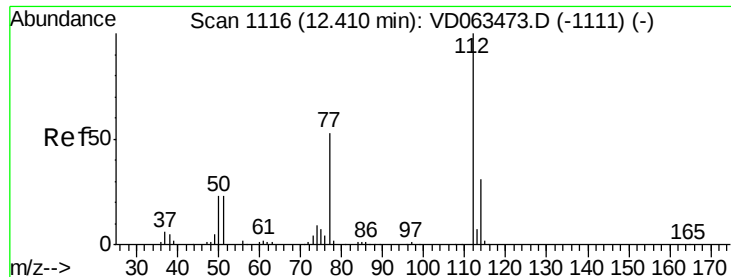
Tot Ion:117 Resp: 1082260
Ion Ratio Lower Upper
117 100
82 48.7 42.0 63.0
119 32.0 25.4 38.0



#64
Tetrachloroethene
Concen: 23.462 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD063733.D
Acq: 22 Aug 2019 15:05

Tgt Ion:164 Resp: 196019
Ion Ratio Lower Upper
164 100
166 128.6 108.6 163.0
129 98.7 69.0 103.6
131 87.3 66.6 99.8

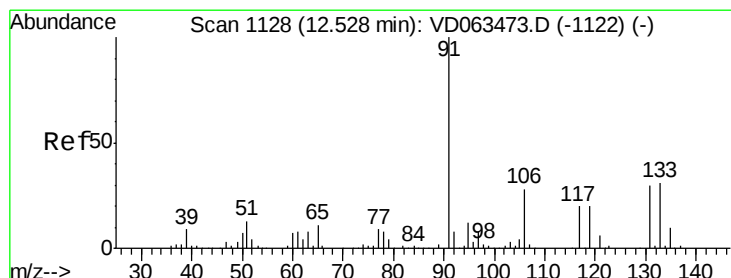
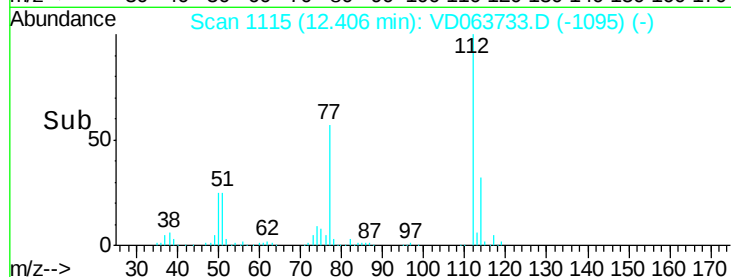
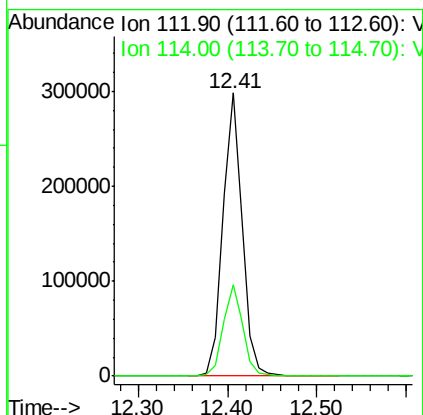
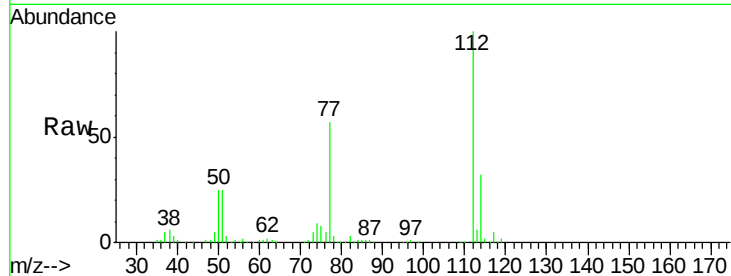




#65
Chlorobenzene
Concen: 22.586 ug/l
RT: 12.41 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD063733.D
Acq: 22 Aug 2019 15:05

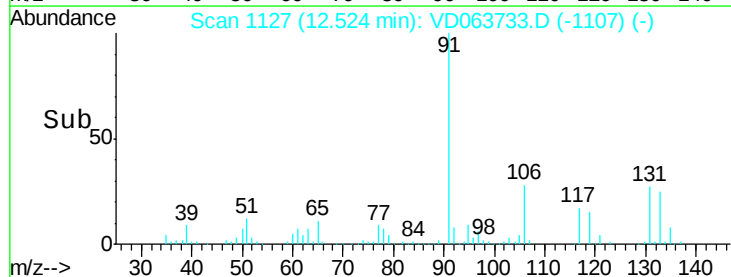
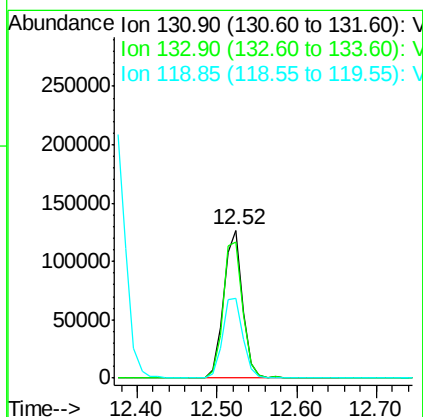
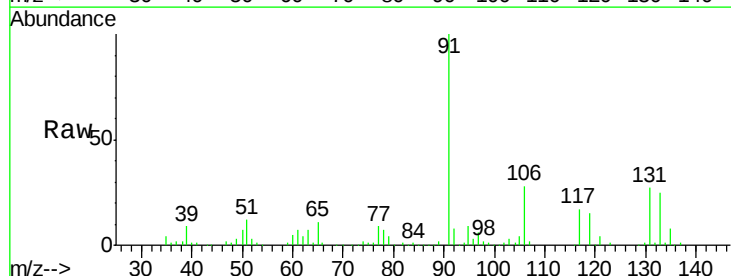
Instrument :
MSVOA_D
ClientSampleId :
VD0822SBSD01

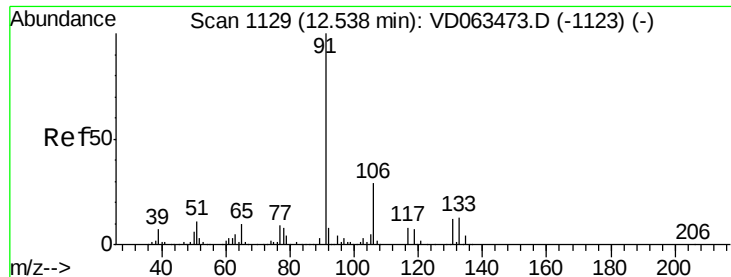
Tot Ion:112 Resp: 458135
Ion Ratio Lower Upper
112 100
114 32.3 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 23.847 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD063733.D
Acq: 22 Aug 2019 15:05

Tgt Ion:131 Resp: 212881
Ion Ratio Lower Upper
131 100
133 92.4 51.1 153.3
119 54.0 33.1 99.3

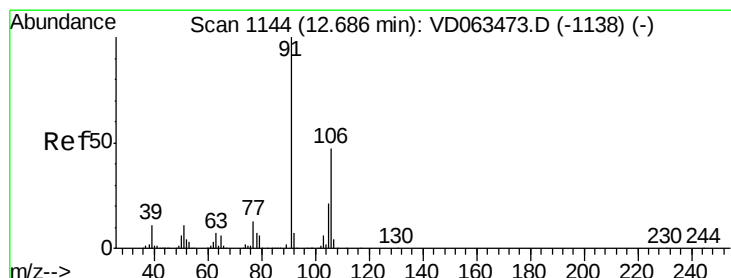
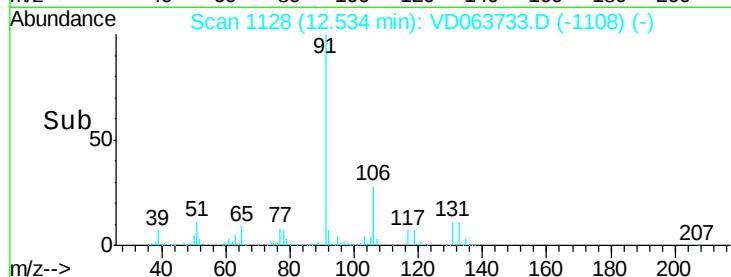
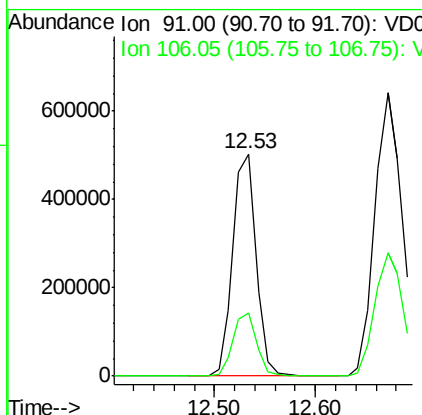
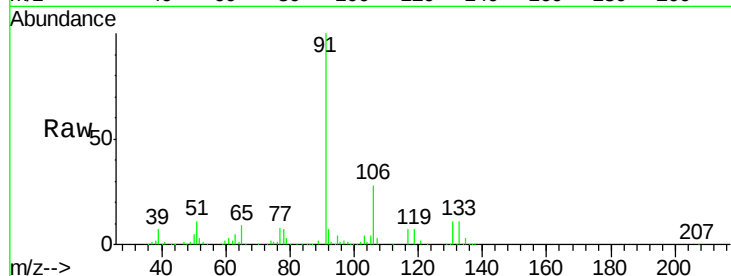




#67
Ethyl Benzene
Concen: 22.903 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD063733.D
Acq: 22 Aug 2019 15:05

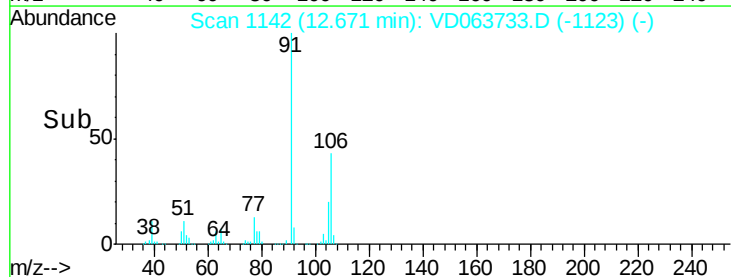
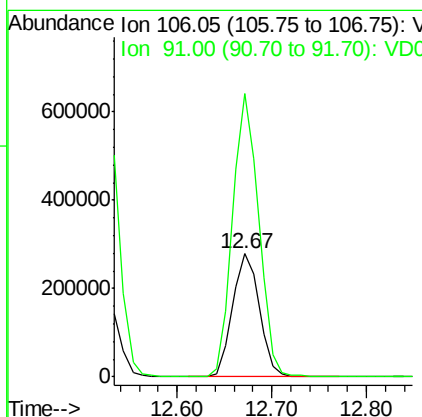
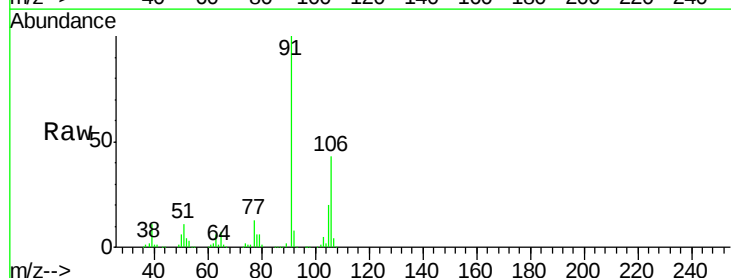
Instrument :
MSVOA_D
ClientSampleId :
VD0822SBSD01

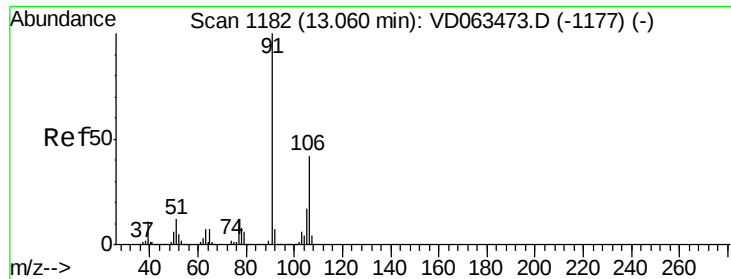
Tot Ion: 91 Resp: 807762
Ion Ratio Lower Upper
91 100
106 28.5 23.1 34.7



#68
m/p-Xylenes
Concen: 44.231 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD063733.D
Acq: 22 Aug 2019 15:05

Tgt Ion: 106 Resp: 548077
Ion Ratio Lower Upper
106 100
91 230.3 171.8 257.8

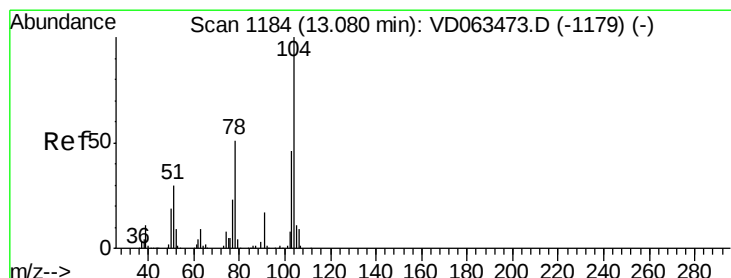
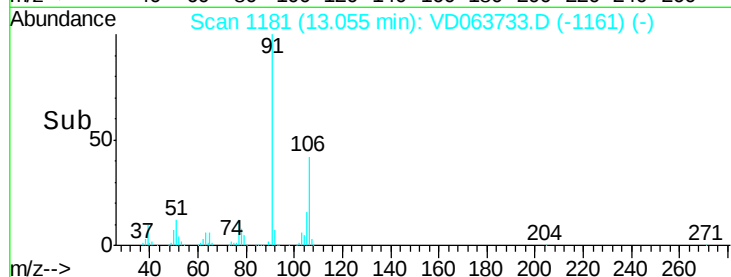
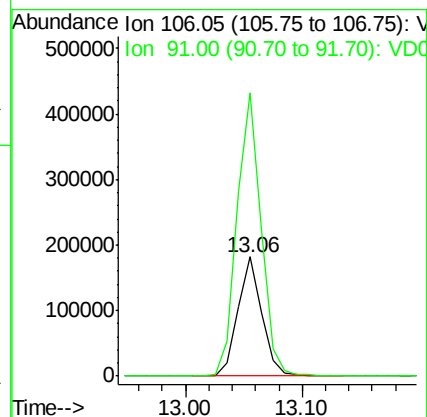
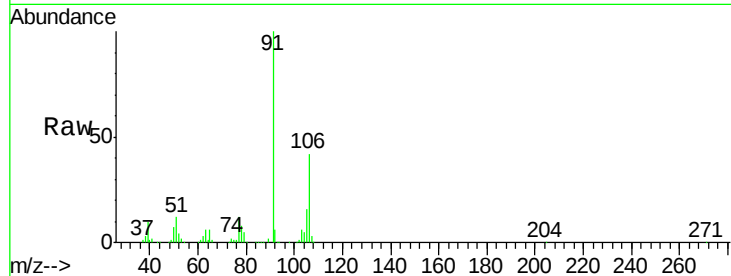




#69
o-Xylene
Concen: 21.817 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063733.D
Acq: 22 Aug 2019 15:05

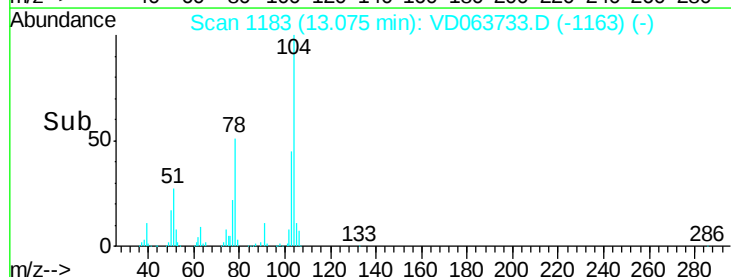
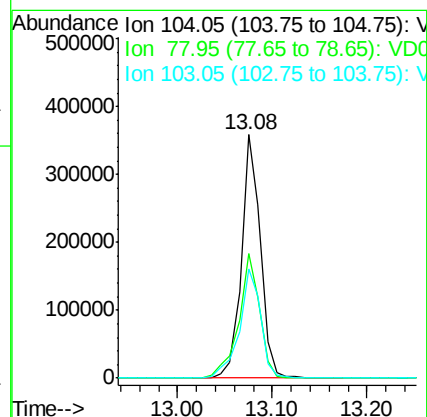
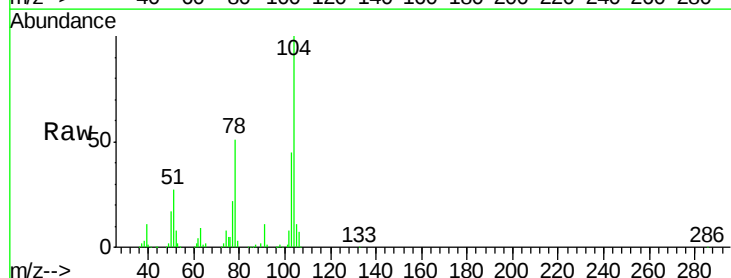
Instrument :
MSVOA_D
ClientSampleId :
VD0822SBSD01

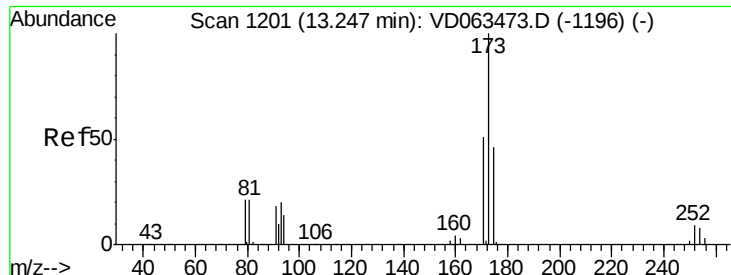
Tot Ion:106 Resp: 260190
Ion Ratio Lower Upper
106 100
91 237.0 118.1 354.2



#70
Styrene
Concen: 23.351 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063733.D
Acq: 22 Aug 2019 15:05

Tgt Ion:104 Resp: 495365
Ion Ratio Lower Upper
104 100
78 51.1 40.8 61.2
103 45.1 36.4 54.6





#71

Bromoform

Concen: 22.892 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBSD01

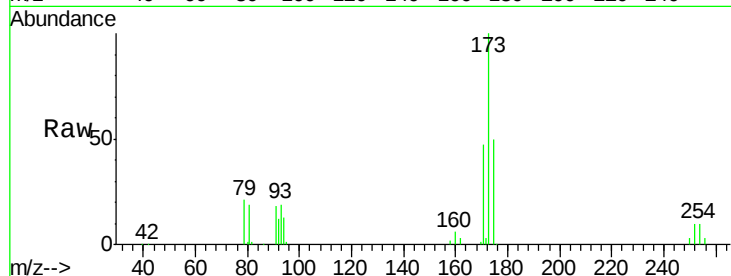
Tot Ion:173 Resp: 140126

Ion Ratio Lower Upper

173 100

175 50.1 22.8 68.3

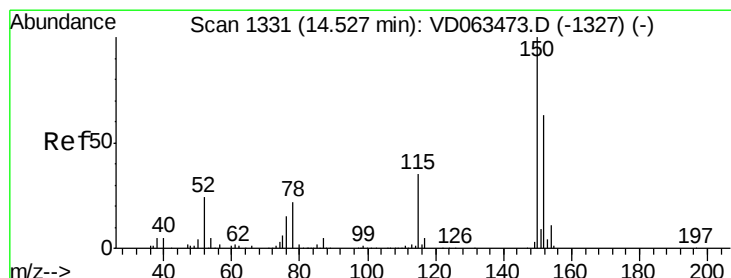
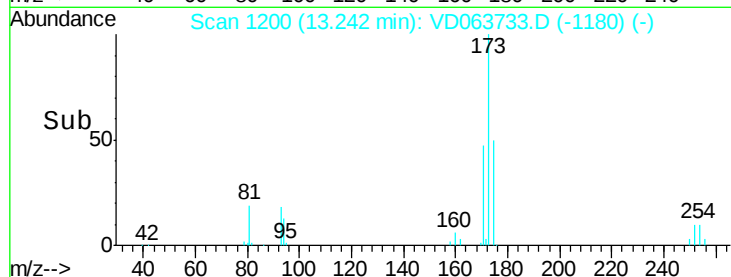
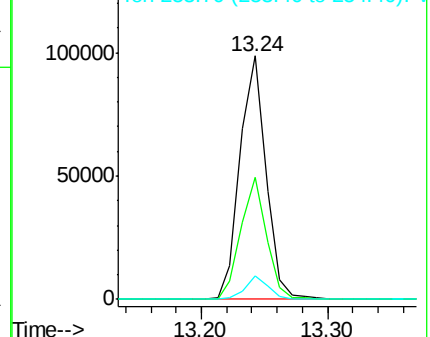
254 9.8 6.6 9.8



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

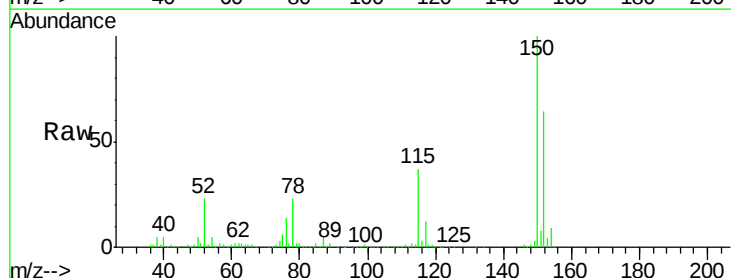
Tgt Ion:152 Resp: 612567

Ion Ratio Lower Upper

152 100

115 57.2 30.9 92.7

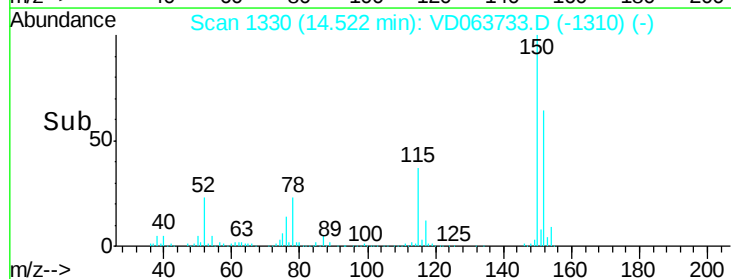
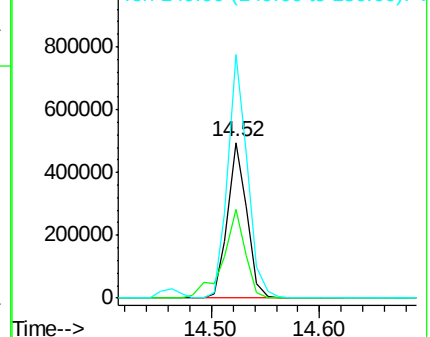
150 156.6 0.0 318.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.652 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

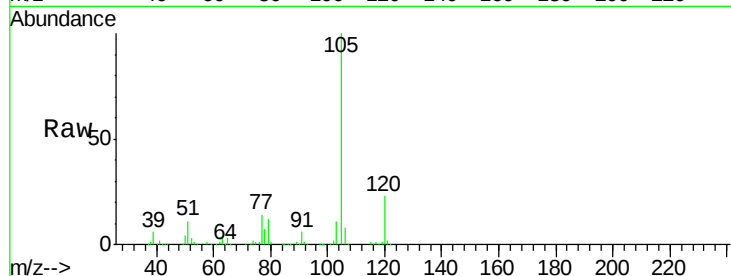
VD0822SBSD01

Tot Ion: 105 Resp: 804671

Ion Ratio Lower Upper

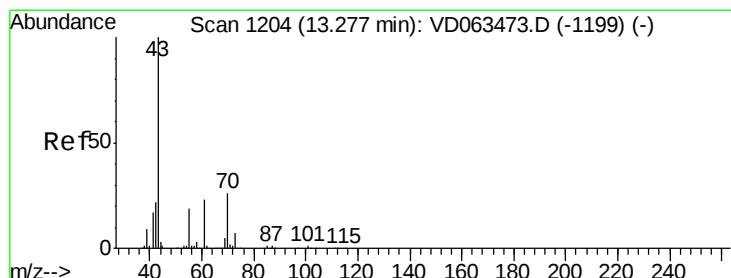
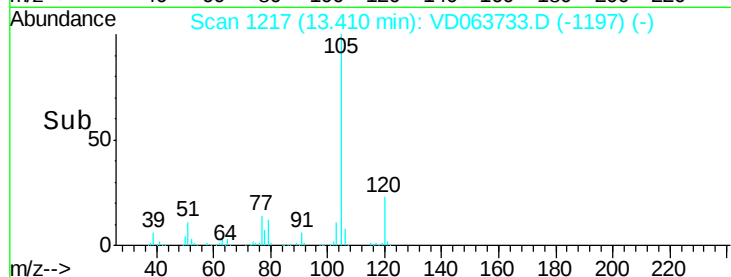
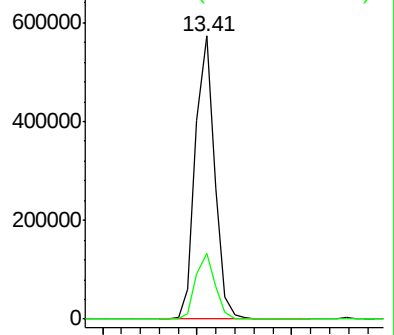
105 100

120 23.4 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.674 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

Tgt Ion: 43 Resp: 202211

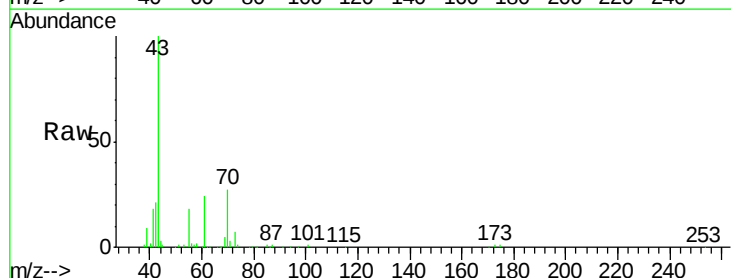
Ion Ratio Lower Upper

43 100

70 26.6 21.1 31.7

55 17.9 15.4 23.0

61 24.0 18.2 27.2

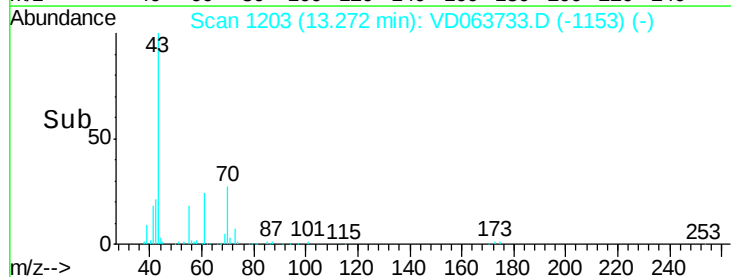
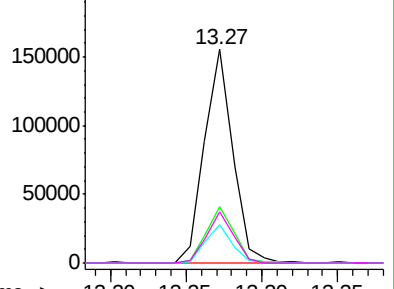


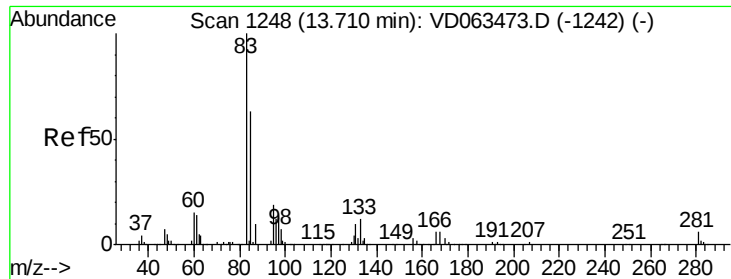
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.814 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBSD01

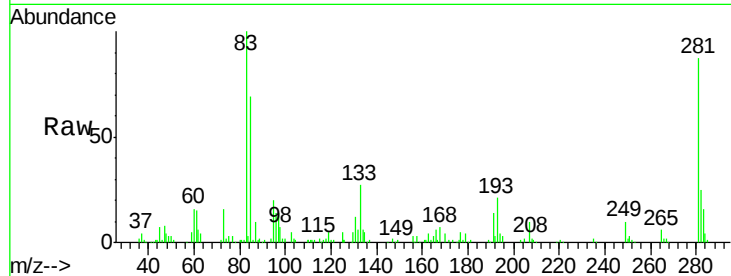
Tot Ion: 83 Resp: 141071

Ion Ratio Lower Upper

83 100

131 12.0 5.3 15.8

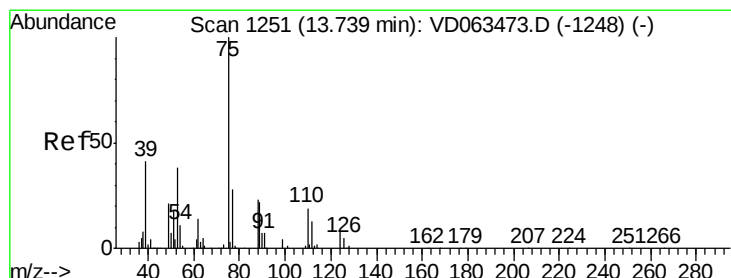
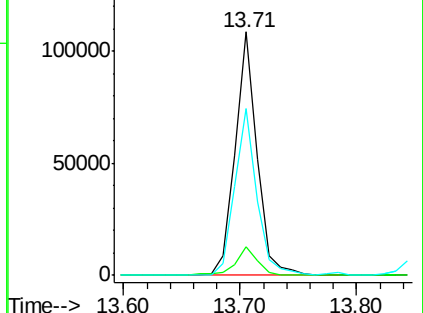
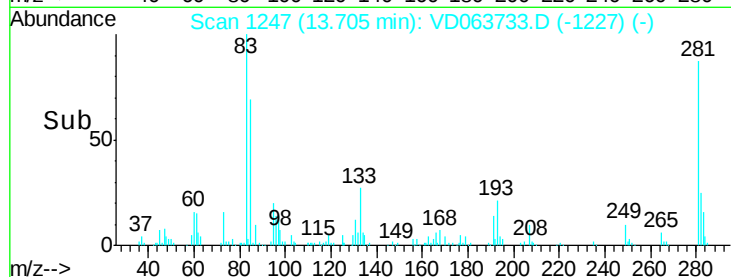
85 68.5 31.4 94.3



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: 22.597 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063733.D

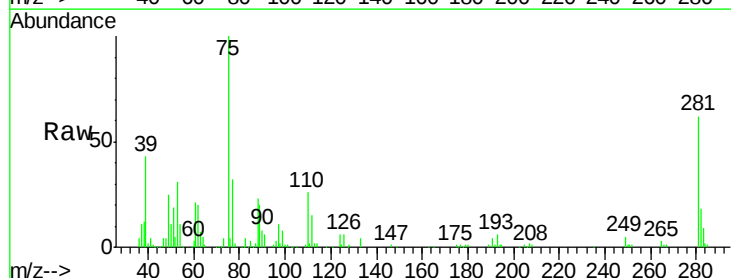
Acq: 22 Aug 2019 15:05

Tgt Ion: 75 Resp: 158859

Ion Ratio Lower Upper

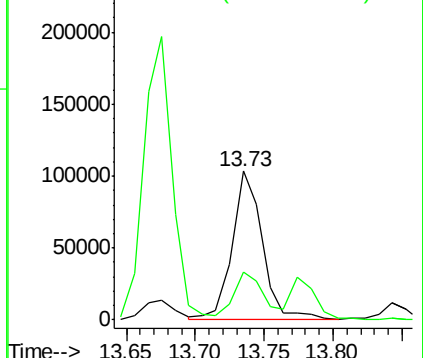
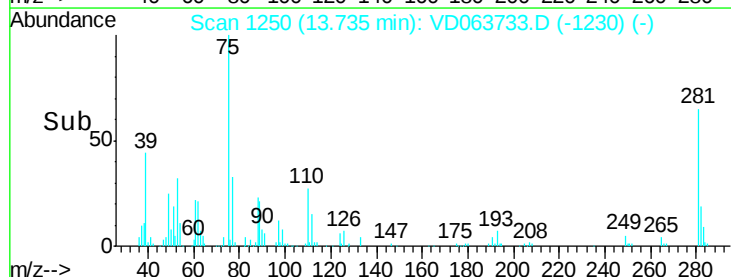
75 100

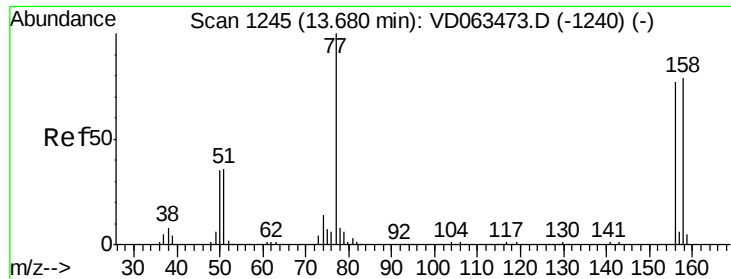
77 31.9 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.837 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBSD01

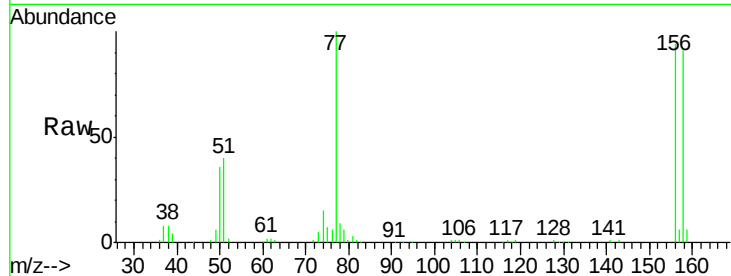
Tot Ion:156 Resp: 232530

Ion Ratio Lower Upper

156 100

77 106.7 64.6 193.8

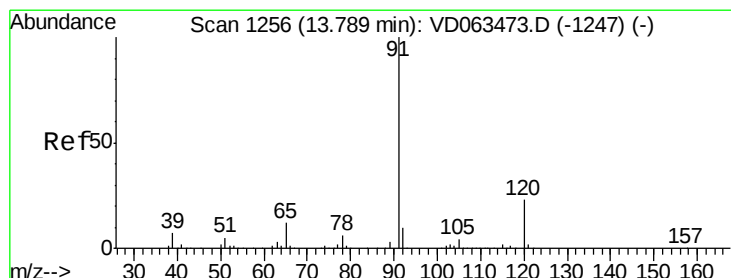
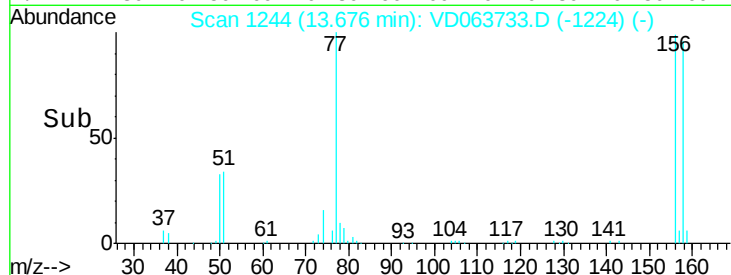
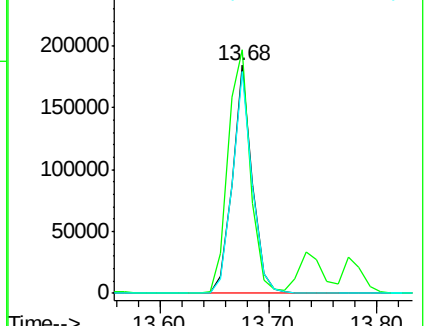
158 97.5 50.9 152.7



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.392 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD063733.D

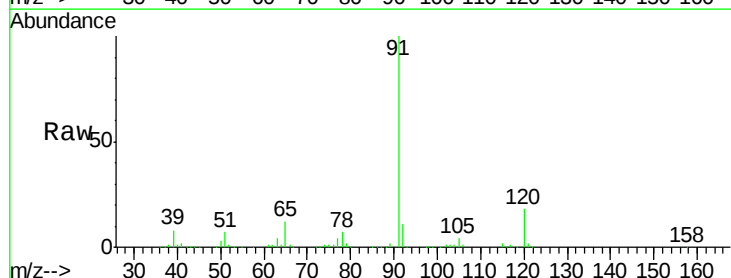
Acq: 22 Aug 2019 15:05

Tgt Ion: 91 Resp: 975192

Ion Ratio Lower Upper

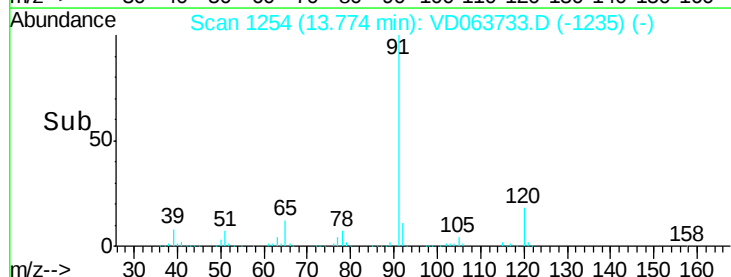
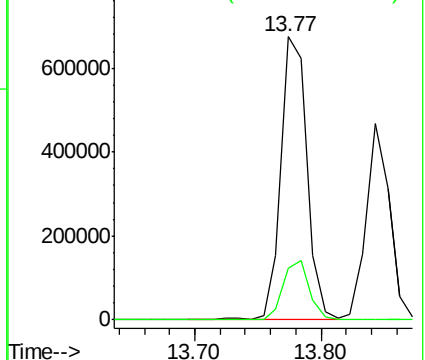
91 100

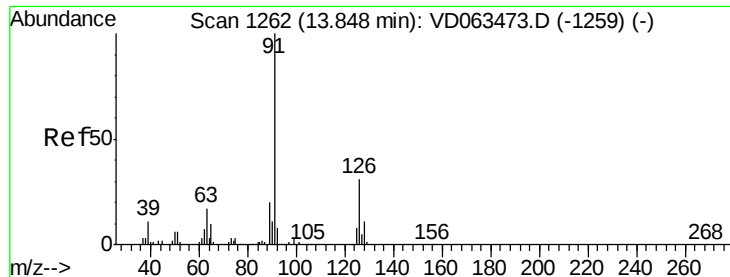
120 18.2 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

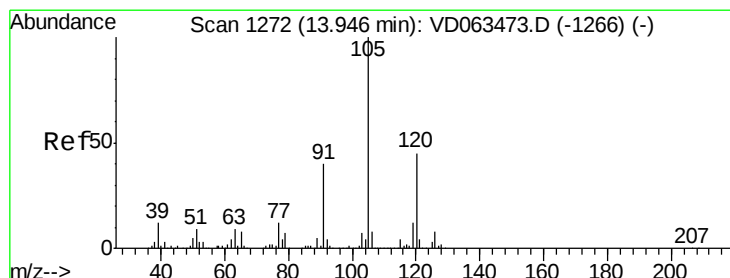
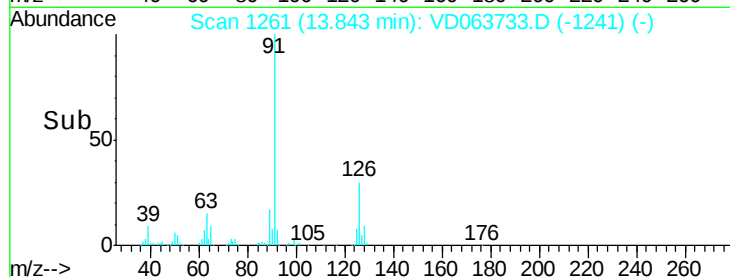
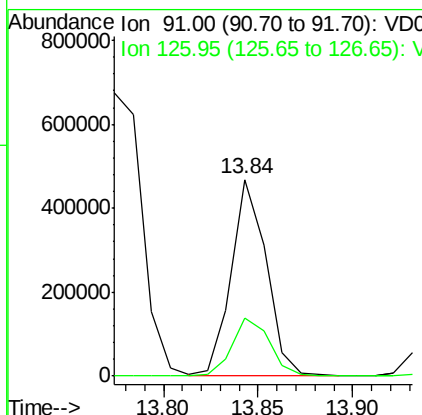
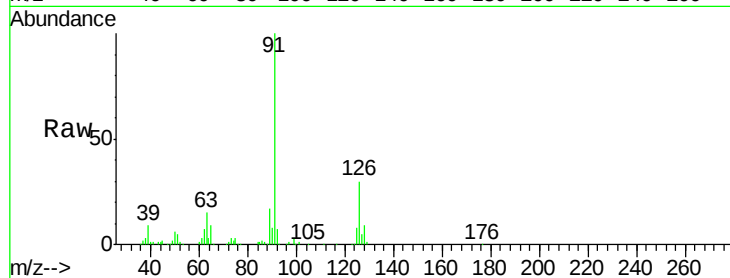




#79
 2-Chlorotoluene
 Concen: 22.805 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063733.D
 Acq: 22 Aug 2019 15:05

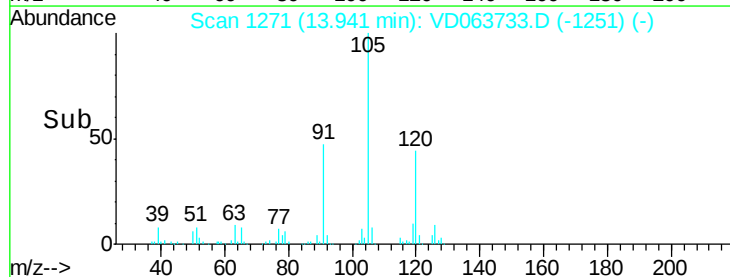
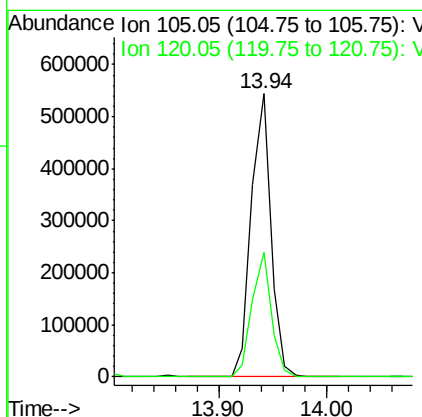
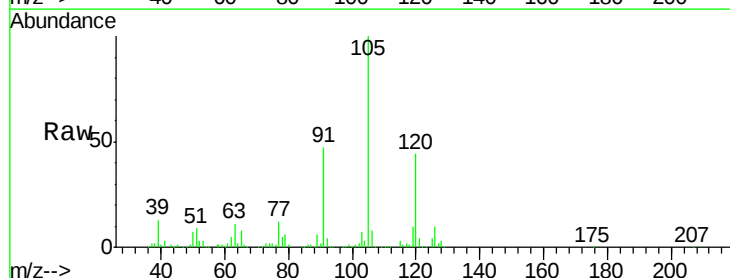
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBSD01

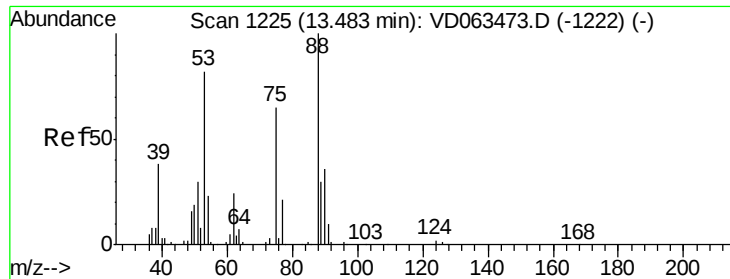
Tot Ion: 91 Resp: 599418
 Ion Ratio Lower Upper
 91 100
 126 29.5 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 20.274 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD063733.D
 Acq: 22 Aug 2019 15:05

Tgt Ion: 105 Resp: 690179
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.8 68.3

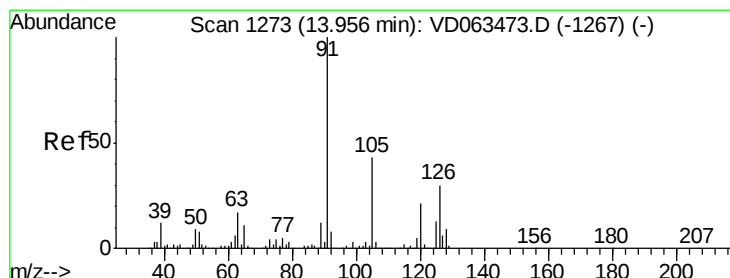
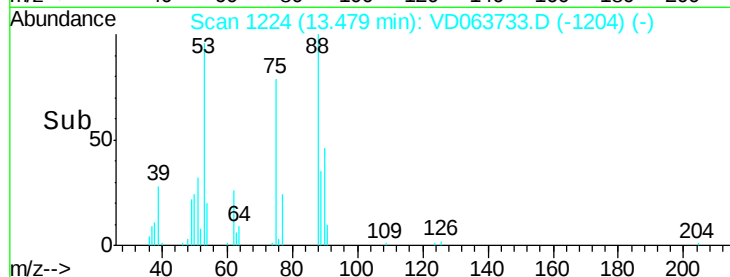
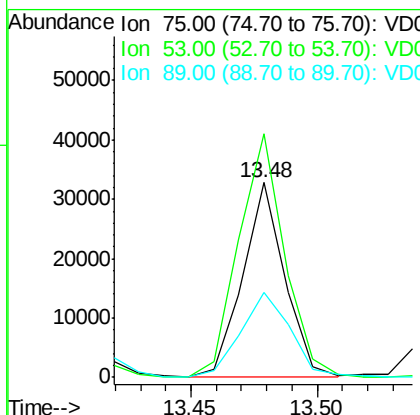
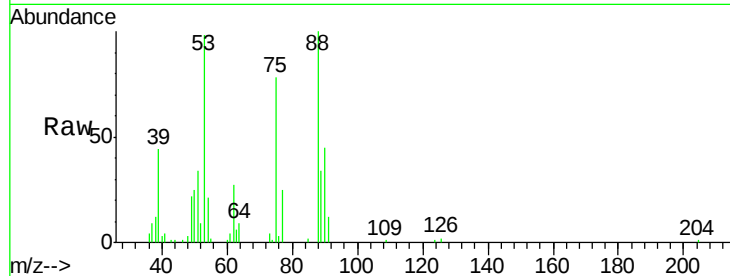




#81
trans-1,4-Dichloro-2-butene
Concen: 20.159 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD063733.D
Acq: 22 Aug 2019 15:05

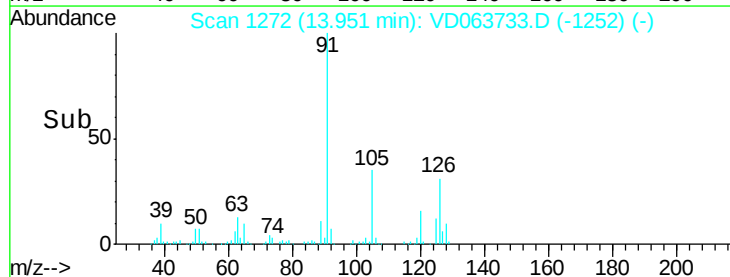
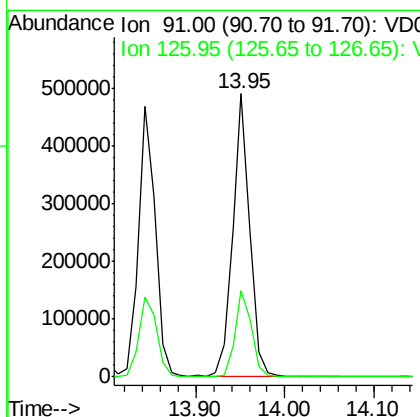
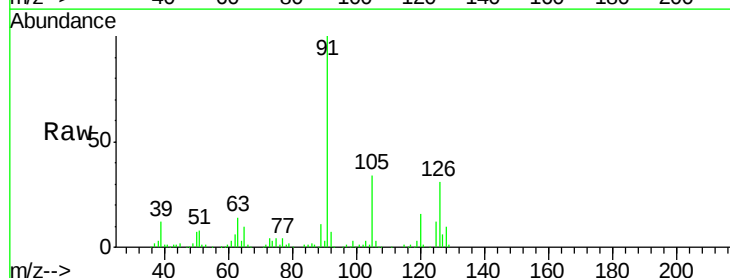
Instrument :
MSVOA_D
ClientSampleId :
VD0822SBSD01

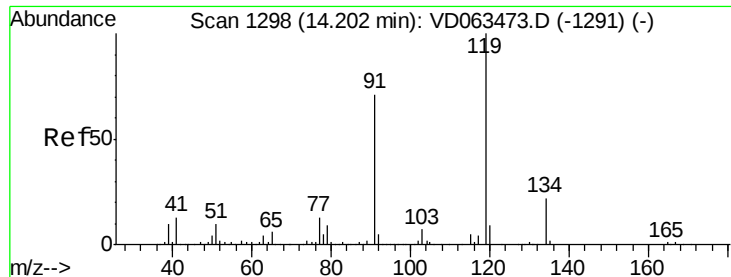
Tot Ion: 75 Resp: 38092
Ion Ratio Lower Upper
75 100
53 125.0 101.0 151.4
89 43.8 37.0 55.6



#82
4-Chlorotoluene
Concen: 21.170 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD063733.D
Acq: 22 Aug 2019 15:05

Tgt Ion: 91 Resp: 669130
Ion Ratio Lower Upper
91 100
126 30.6 15.2 45.6

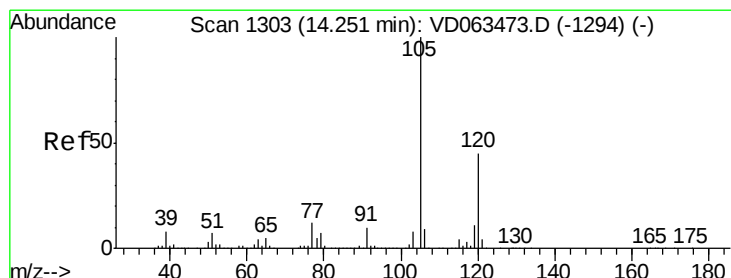
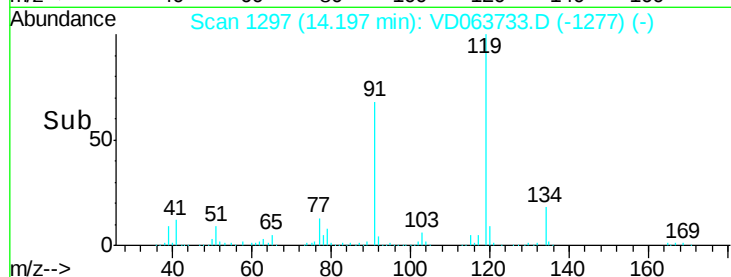
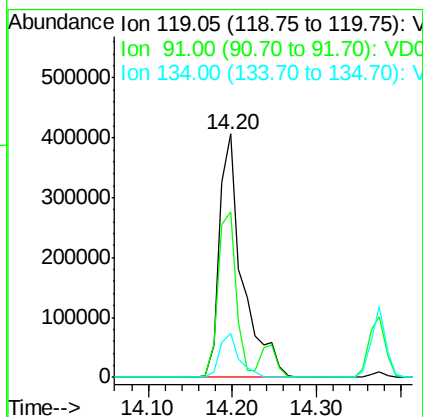
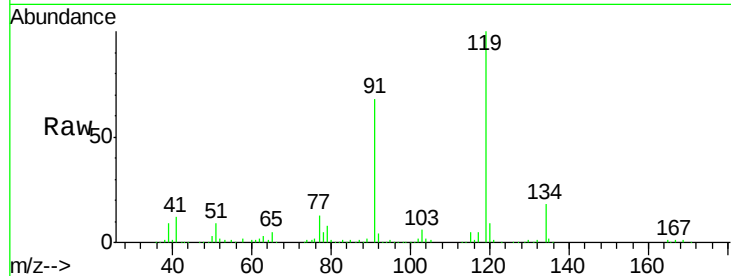




#83
 tert-Butylbenzene
 Concen: 21.509 ug/l
 RT: 14.20 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD063733.D
 Acq: 22 Aug 2019 15:05

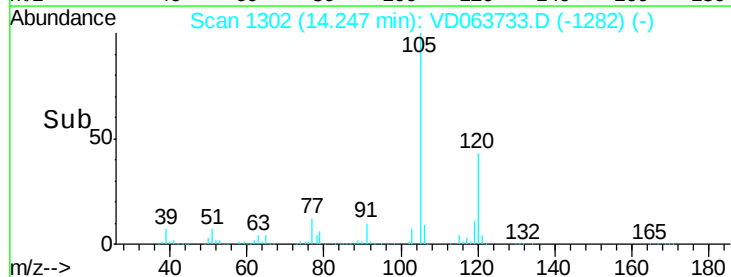
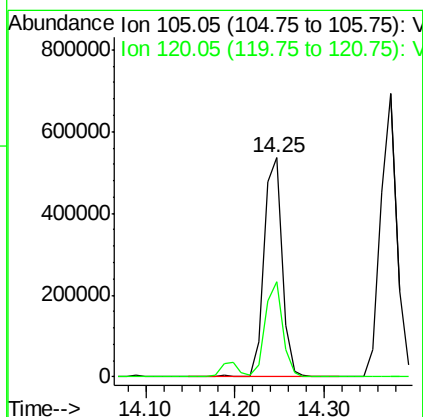
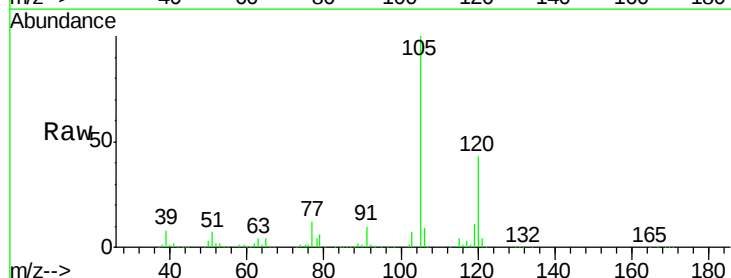
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBSD01

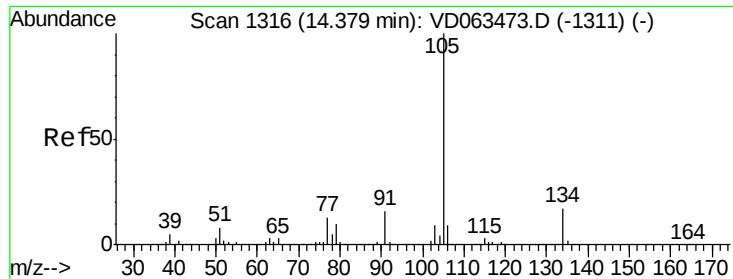
Tot Ion:119 Resp: 771074
 Ion Ratio Lower Upper
 119 100
 91 68.2 35.5 106.7
 134 18.3 11.1 33.1



#84
 1,2,4-Trimethylbenzene
 Concen: 23.604 ug/l
 RT: 14.25 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD063733.D
 Acq: 22 Aug 2019 15:05

Tgt Ion:105 Resp: 743498
 Ion Ratio Lower Upper
 105 100
 120 43.2 22.7 68.1

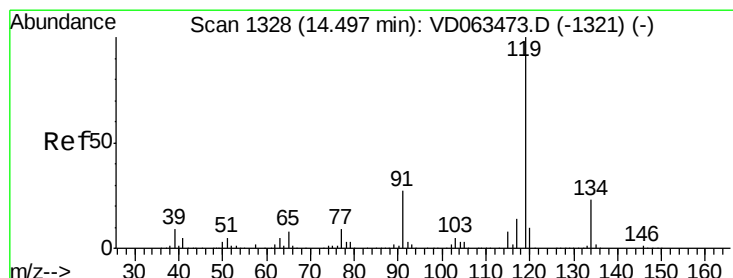
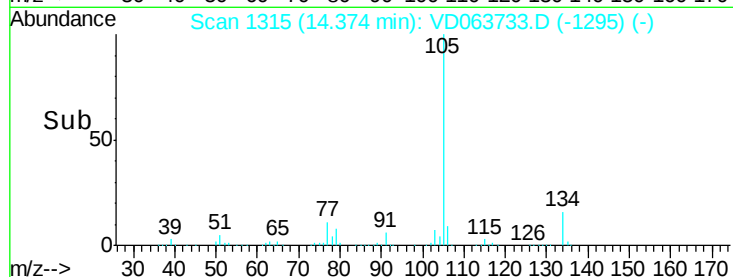
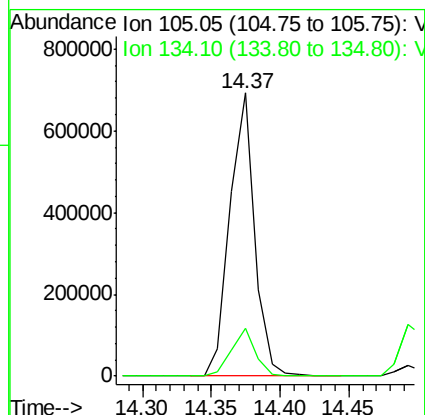
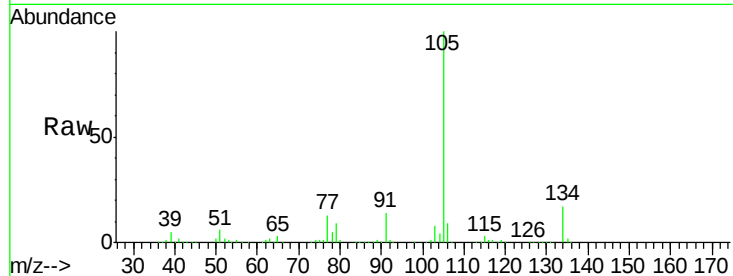




#85
 sec-Butylbenzene
 Concen: 22.758 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD063733.D
 Acq: 22 Aug 2019 15:05

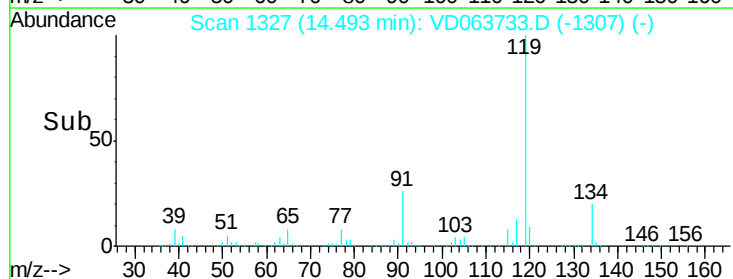
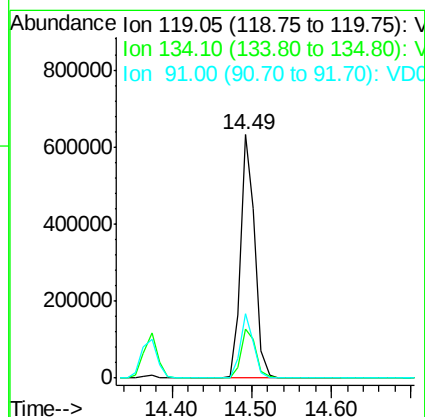
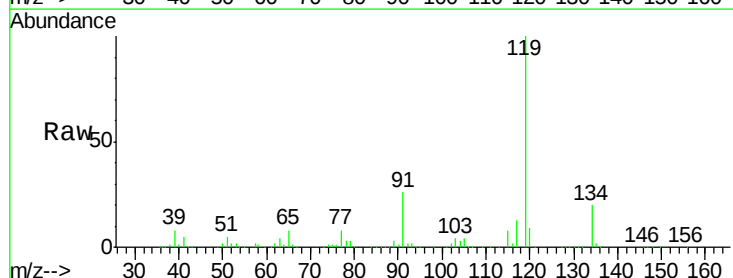
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBS01

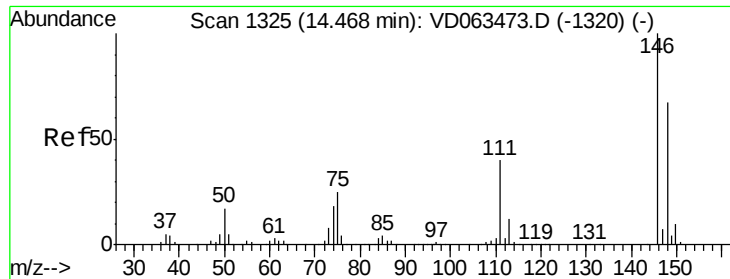
Tot Ion:105 Resp: 866411
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 21.649 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD063733.D
 Acq: 22 Aug 2019 15:05

Tgt Ion:119 Resp: 788063
 Ion Ratio Lower Upper
 119 100
 134 20.1 11.3 33.8
 91 26.4 13.5 40.4

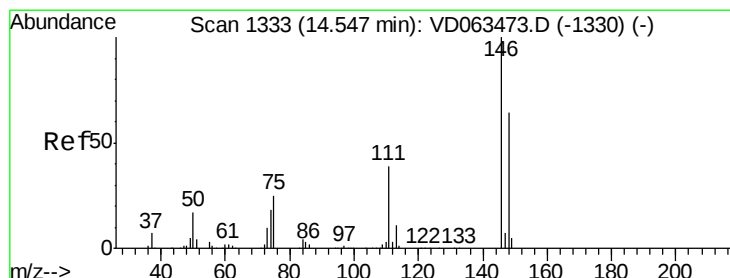
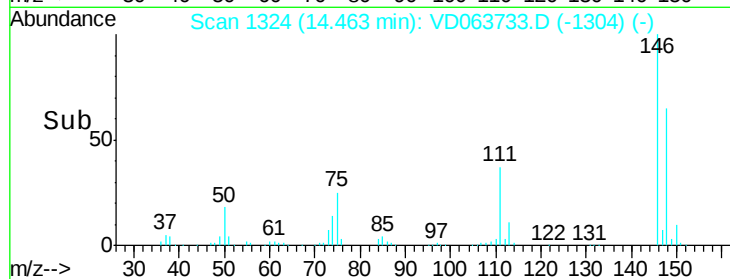
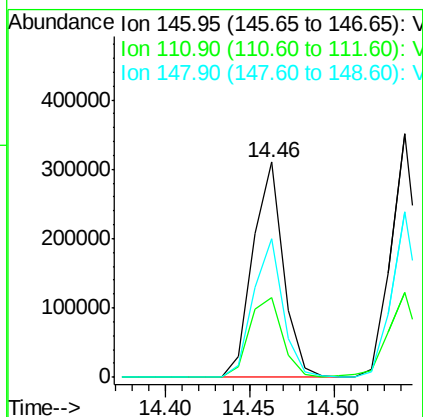
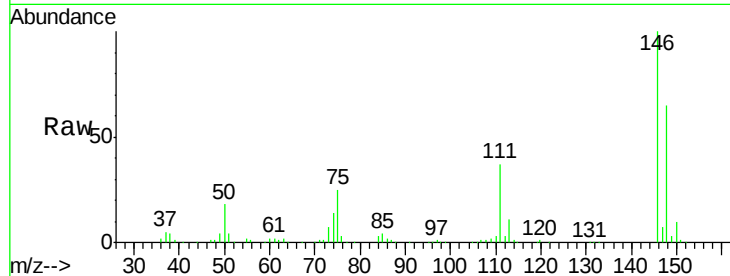




#87
 1,3-Dichlorobenzene
 Concen: 20.306 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD063733.D
 Acq: 22 Aug 2019 15:05

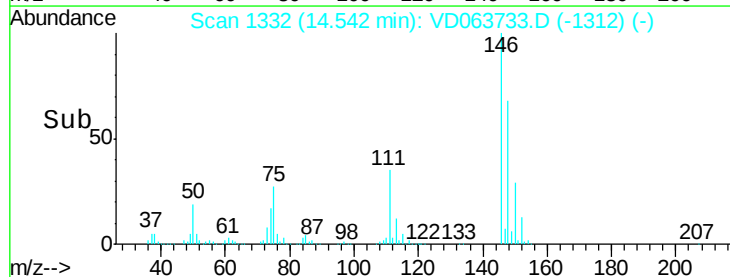
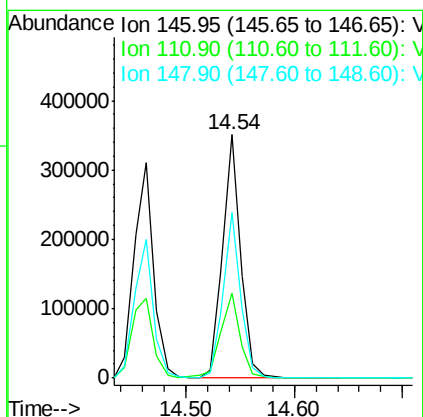
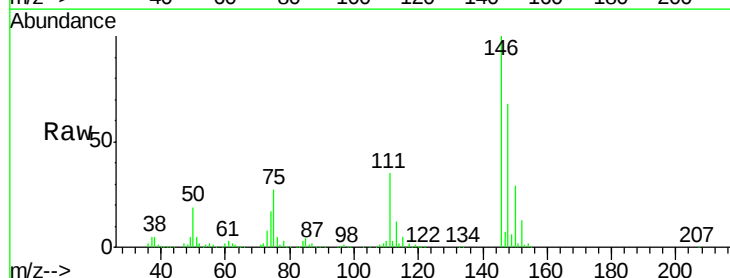
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBSD01

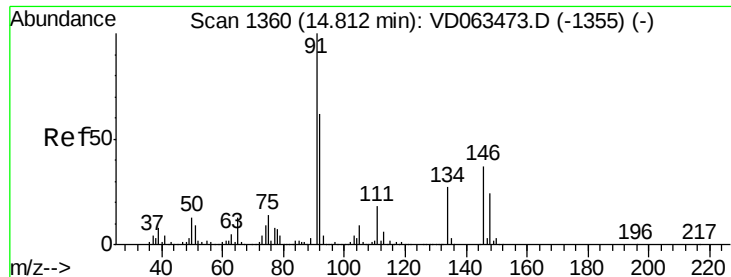
Tot Ion:146 Resp: 391124
 Ion Ratio Lower Upper
 146 100
 111 36.9 20.0 60.0
 148 64.5 33.6 100.6



#88
 1,4-Dichlorobenzene
 Concen: 22.066 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063733.D
 Acq: 22 Aug 2019 15:05

Tgt Ion:146 Resp: 407777
 Ion Ratio Lower Upper
 146 100
 111 34.7 19.7 59.0
 148 68.1 32.1 96.3





#89

n-Butylbenzene

Concen: 22.898 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBS01

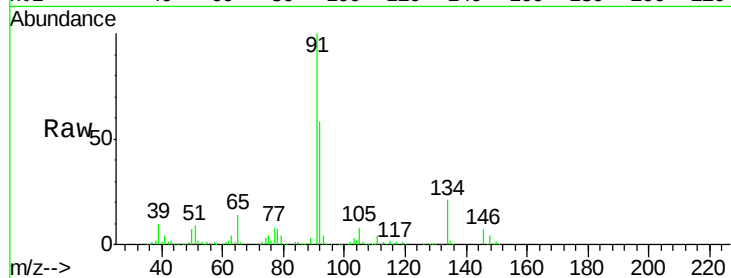
Tot Ion: 91 Resp: 760734

Ion Ratio Lower Upper

91 100

92 58.2 30.8 92.3

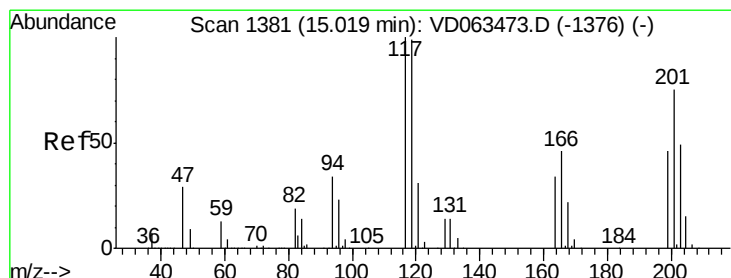
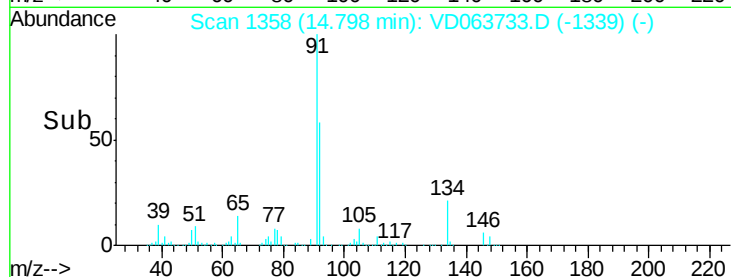
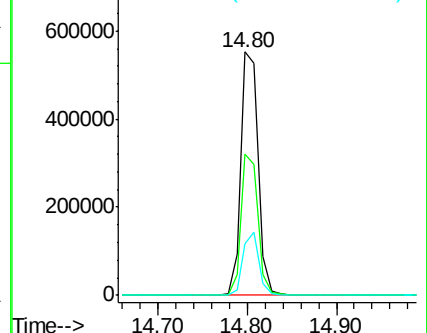
134 21.2 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 22.406 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD063733.D

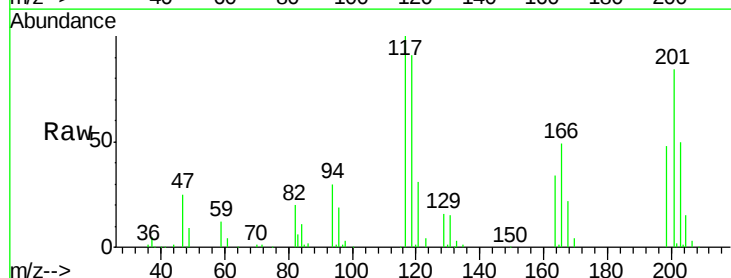
Acq: 22 Aug 2019 15:05

Tgt Ion: 117 Resp: 205001

Ion Ratio Lower Upper

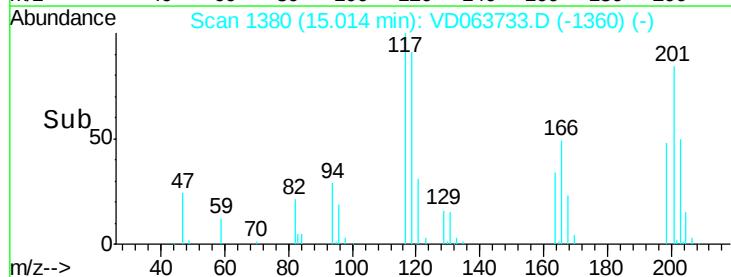
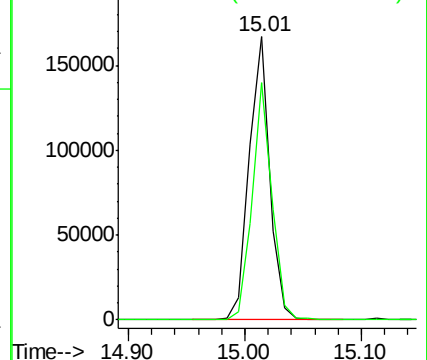
117 100

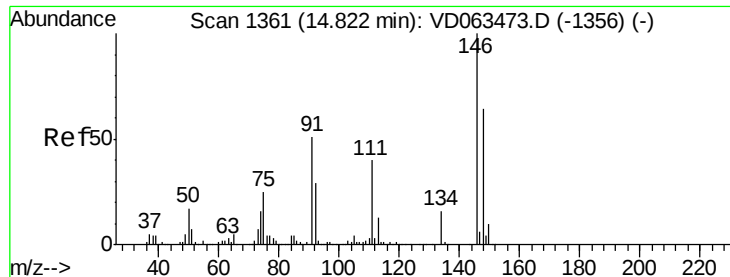
201 83.8 37.5 112.5



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

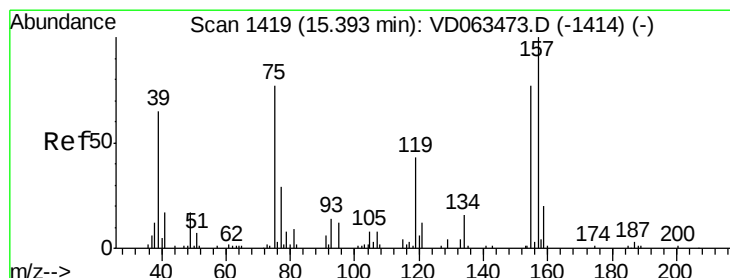
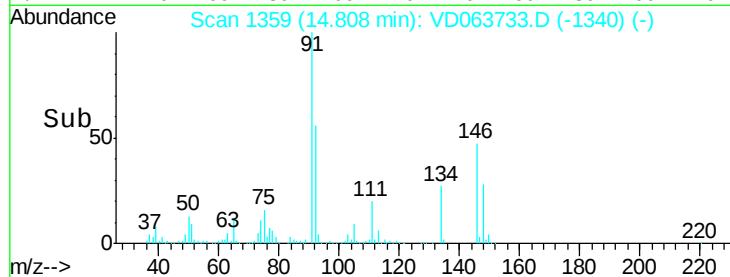
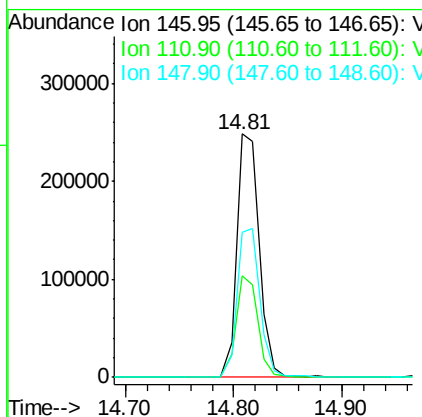
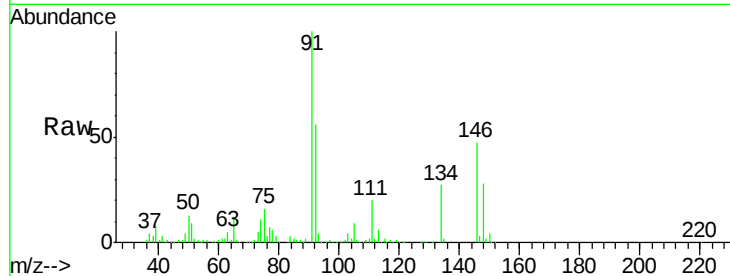




#91
 1,2-Dichlorobenzene
 Concen: 21.887 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD063733.D
 Acq: 22 Aug 2019 15:05

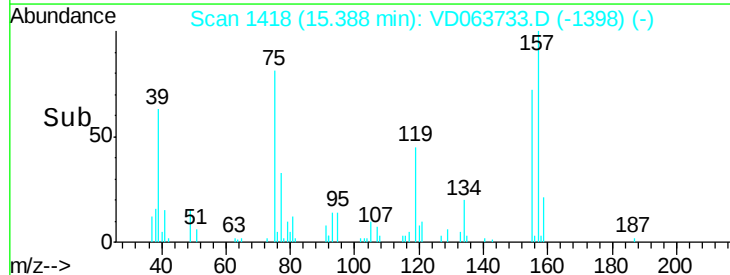
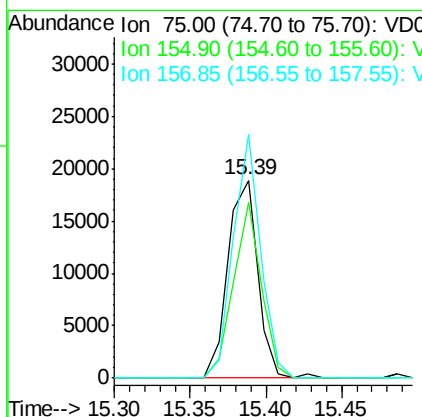
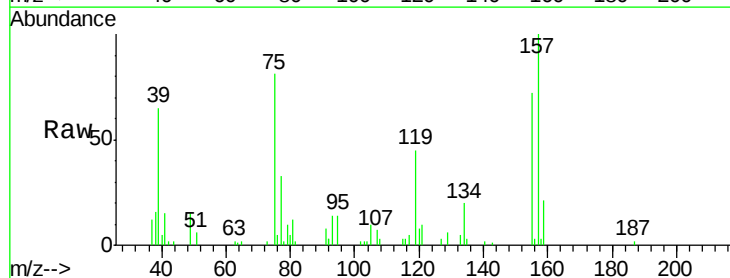
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBSD01

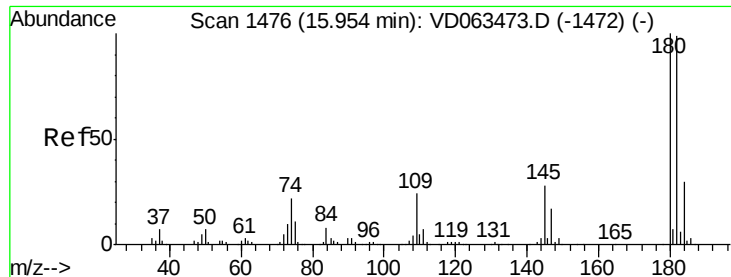
Tot Ion:146 Resp: 357668
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.2 60.6
 148 59.5 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.259 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD063733.D
 Acq: 22 Aug 2019 15:05

Tgt Ion: 75 Resp: 25887
 Ion Ratio Lower Upper
 75 100
 155 89.1 50.1 150.3
 157 123.1 65.0 195.1

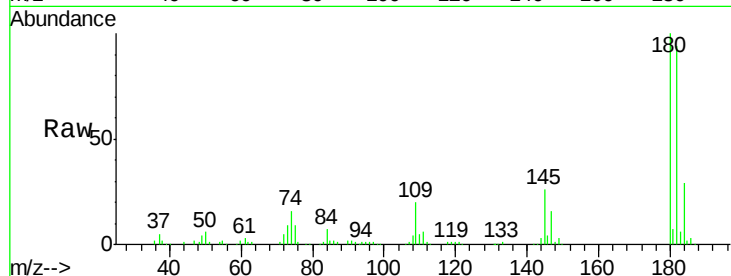




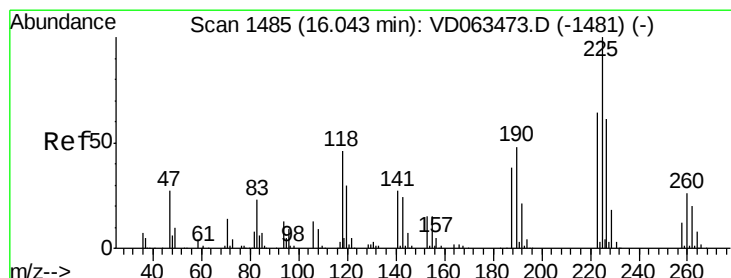
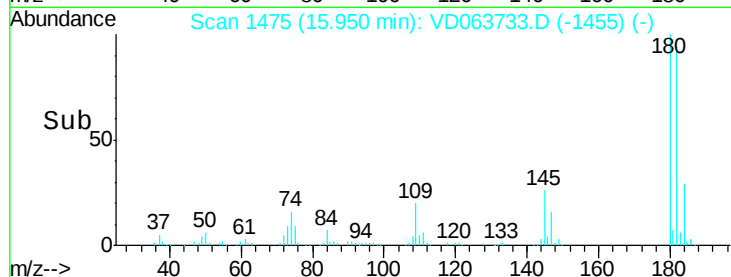
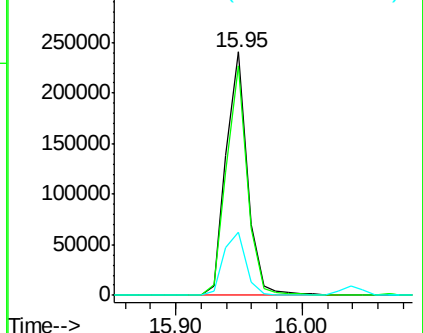
#93
 1,2,4-Trichlorobenzene
 Concen: 23.549 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063733.D
 Acq: 22 Aug 2019 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	49.7	149.1
145	25.9	14.1	42.2

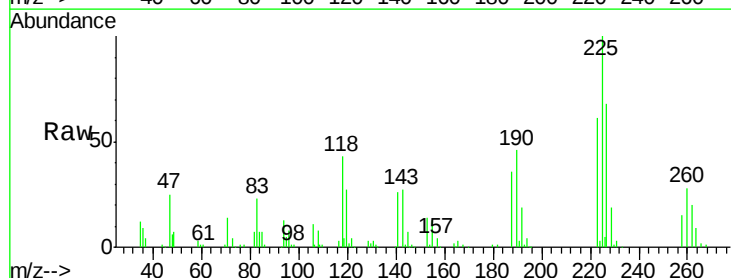


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

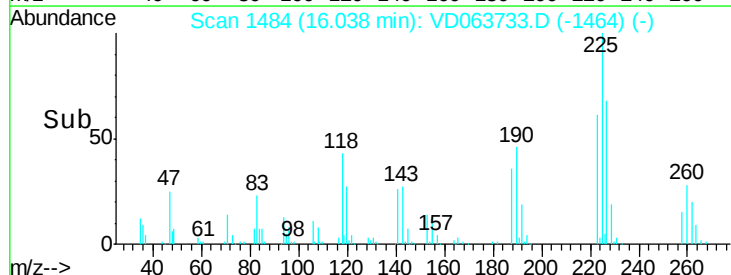
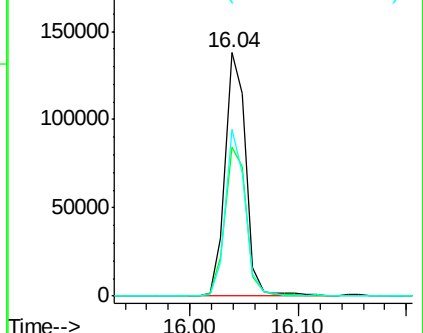


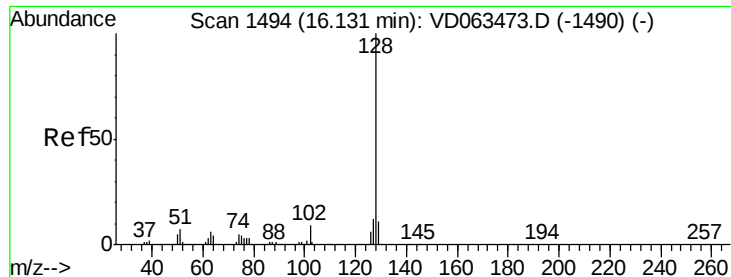
#94
 Hexachlorobutadiene
 Concen: 20.148 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063733.D
 Acq: 22 Aug 2019 15:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	31.9	95.5
227	68.4	30.7	92.1



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: 20.231 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

VD0822SBSD01

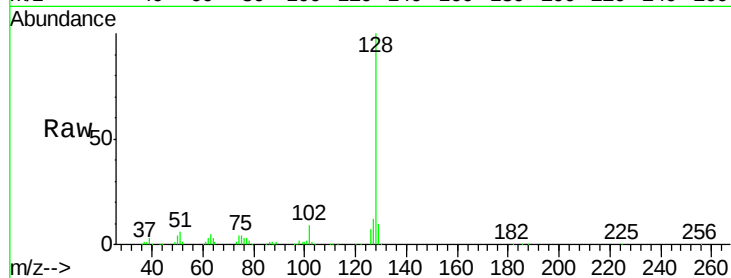
Tot Ion:128 Resp: 368679

Ion Ratio Lower Upper

128 100

127 11.6 9.4 14.0

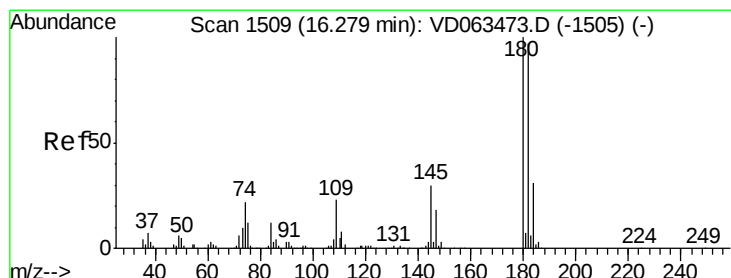
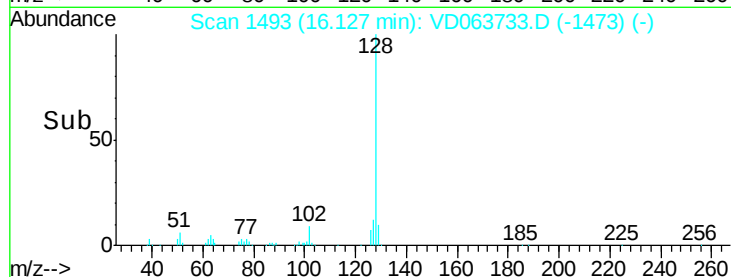
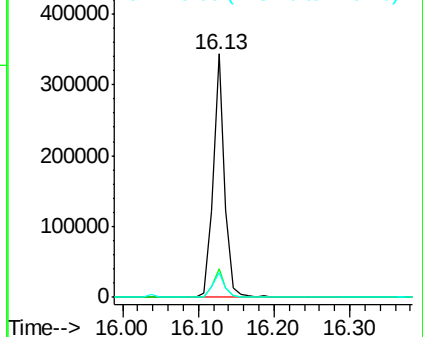
129 10.0 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.627 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD063733.D

Acq: 22 Aug 2019 15:05

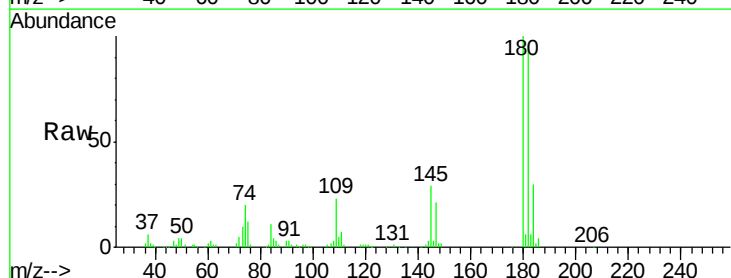
Tgt Ion:180 Resp: 219757

Ion Ratio Lower Upper

180 100

182 95.9 48.4 145.2

145 28.6 14.9 44.9



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

