

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063200.D
 Acq On : 29 Jul 2019 15:45
 Operator : VA/AP
 Sample : VD0729SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

Quant Time: Jul 30 03:16:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	1121267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1523624	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1141535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	678412	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	618866	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
35) Dibromofluoromethane	6.91	113	659859	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
50) Toluene-d8	10.41	98	1517585	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	
62) 4-Bromofluorobenzene	13.55	95	662904	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	260008	18.970	ug/l	99
3) Chloromethane	1.74	50	194846	18.297	ug/l	91
4) Vinyl Chloride	1.84	62	191945	17.412	ug/l	95
5) Bromomethane	2.14	94	84692	15.233	ug/l	100
6) Chloroethane	2.25	64	88464	17.381	ug/l	96
7) Trichlorofluoromethane	2.51	101	394810	18.461	ug/l	96
8) Diethyl Ether	2.87	74	49259	16.458	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.13	101	195782	16.526	ug/l	94
10) Methyl Iodide	3.29	142	303876	17.756	ug/l	94
11) Tert butyl alcohol	4.08	59	49895	91.384	ug/l	100
12) 1,1-Dichloroethene	3.11	96	149321	17.169	ug/l #	81
13) Acrolein	3.02	56	51285	97.599	ug/l	92
14) Allyl chloride	3.60	41	251186	18.130	ug/l	94
15) Acrylonitrile	4.19	53	123809	87.464	ug/l	89
16) Acetone	3.22	43	223559	92.224	ug/l	96
17) Carbon Disulfide	3.36	76	533621	18.331	ug/l	96
18) Methyl Acetate	3.63	43	77703	16.688	ug/l	99
19) Methyl tert-butyl Ether	4.23	73	361755	18.414	ug/l	96
20) Methylene Chloride	3.80	84	167868	17.132	ug/l	91
21) trans-1,2-Dichloroethene	4.20	96	182552	18.707	ug/l	89
22) Diisopropyl ether	5.11	45	502897	18.168	ug/l	99
23) Vinyl Acetate	5.05	43	1549437	91.063	ug/l	99
24) 1,1-Dichloroethane	4.97	63	330272	18.680	ug/l	96
25) 2-Butanone	6.07	43	225095	92.526	ug/l	96
26) 2,2-Dichloropropane	6.01	77	350084	19.214	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	195351	18.672	ug/l	94
28) Bromochloromethane	6.43	49	127958	18.164	ug/l	92
29) Tetrahydrofuran	6.45	42	100793	87.509	ug/l	99
30) Chloroform	6.66	83	387894	17.678	ug/l	99
31) Cyclohexane	6.94	56	195363	17.628	ug/l	89
32) 1,1,1-Trichloroethane	6.86	97	367172	17.300	ug/l	95
36) 1,1-Dichloropropene	7.14	75	235608	16.944	ug/l	97
37) Ethyl Acetate	6.17	43	116523	18.653	ug/l	98
38) Carbon Tetrachloride	7.10	117	382943	18.293	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	211694	18.273	ug/l	91
40) Benzene	7.44	78	540177	18.536	ug/l	99
41) Methacrylonitrile	6.45	41	128906	17.251	ug/l #	98
42) 1,2-Dichloroethane	7.57	62	280430	18.157	ug/l	96
43) Isopropyl Acetate	9.24	43	143747	18.014	ug/l #	94
44) Trichloroethene	8.54	130	207864	17.602	ug/l	88
45) 1,2-Dichloropropane	8.93	63	127458	17.207	ug/l	95
46) Dibromomethane	9.06	93	110277	17.905	ug/l	95
47) Bromodichloromethane	9.37	83	278010	17.708	ug/l #	96
48) Methyl methacrylate	9.12	41	98722	19.075	ug/l	96
49) 1,4-Dioxane	9.08	88	19696	446.978	ug/l	91
51) 4-Methyl-2-Pentanone	10.30	43	499072	91.962	ug/l	100
52) Toluene	10.51	92	354700	18.300	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	239548	17.698	ug/l	94
54) cis-1,3-Dichloropropene	10.03	75	262286	18.438	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	119440	18.246	ug/l	95
56) Ethyl methacrylate	11.04	69	137309	19.155	ug/l	91
57) 1,3-Dichloropropane	11.40	76	190130	18.434	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.86	63	366643	98.298	ug/l	98
59) 2-Hexanone	11.53	43	375166	95.929	ug/l	98
60) Dibromochloromethane	11.68	129	221527	17.926	ug/l	98
61) 1,2-Dibromoethane	11.80	107	151243	18.724	ug/l	99
64) Tetrachloroethene	11.25	164	202911	22.312	ug/l	96
65) Chlorobenzene	12.40	112	447443	20.378	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	204674	21.162	ug/l	92
67) Ethyl Benzene	12.52	91	802925	21.526	ug/l	99
68) m/p-Xylenes	12.66	106	558712	40.845	ug/l	100
69) o-Xylene	13.05	106	272088	21.661	ug/l	93
70) Styrene	13.06	104	474794	21.313	ug/l	97
71) Bromoform	13.23	173	138275	19.660	ug/l #	91
73) Isopropylbenzene	13.40	105	805021	18.906	ug/l	100
74) N-amyl acetate	13.26	43	201322	17.885	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.69	83	140803	19.468	ug/l	89
76) 1,2,3-Trichloropropane	13.72	75	147970	18.159	ug/l	97
77) Bromobenzene	13.67	156	224350	18.496	ug/l	94
78) n-propylbenzene	13.77	91	945754	18.665	ug/l	95
79) 2-Chlorotoluene	13.83	91	537350	18.302	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	655660	17.854	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	38746	17.124	ug/l	98
82) 4-Chlorotoluene	13.94	91	630747	18.255	ug/l	93
83) tert-Butylbenzene	14.19	119	753218	17.963	ug/l	91
84) 1,2,4-Trimethylbenzene	14.24	105	704240	18.540	ug/l	95
85) sec-Butylbenzene	14.36	105	787444	17.824	ug/l	96
86) p-Isopropyltoluene	14.48	119	804869	19.088	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	420931	19.596	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	405512	18.669	ug/l	97
89) n-Butylbenzene	14.80	91	691447	18.986	ug/l	98
90) Hexachloroethane	15.00	117	200476	18.248	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	332329	17.757	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	23494	15.947	ug/l	62

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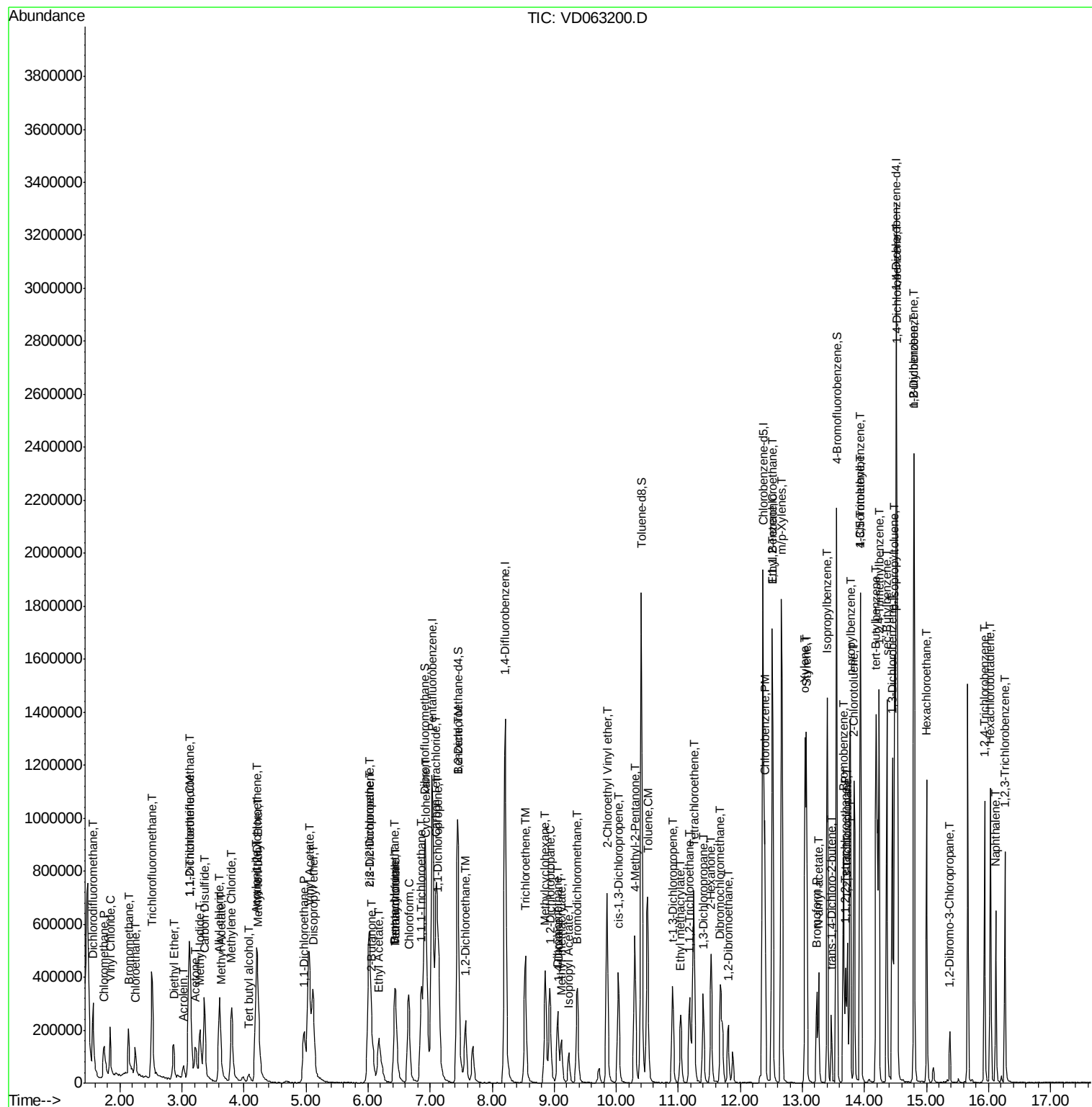
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	245557	16.539	µg/l	95
94) Hexachlorobutadiene	16.04	225	203185	18.884	µg/l	95
95) Naphthalene	16.12	128	394224	18.786	µg/l	97
96) 1,2,3-Trichlorobenzene	16.26	180	200916	17.130	µg/l	97

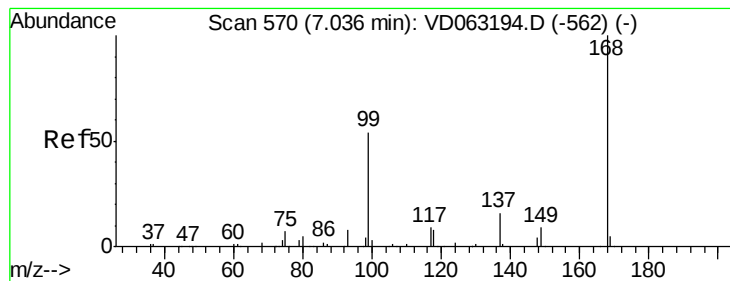
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072919\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

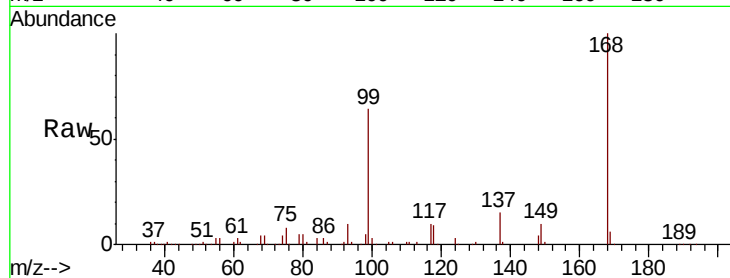
VD0729SBSD01

Tot Ion:168 Resp: 1121267

Ion Ratio Lower Upper

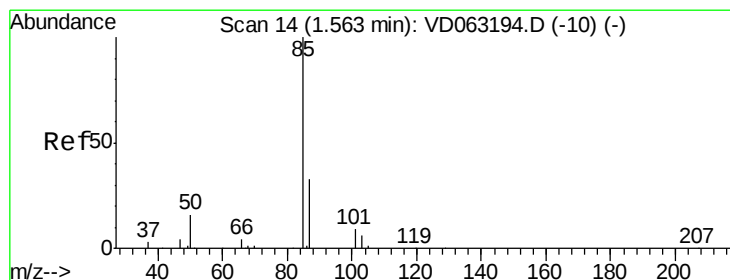
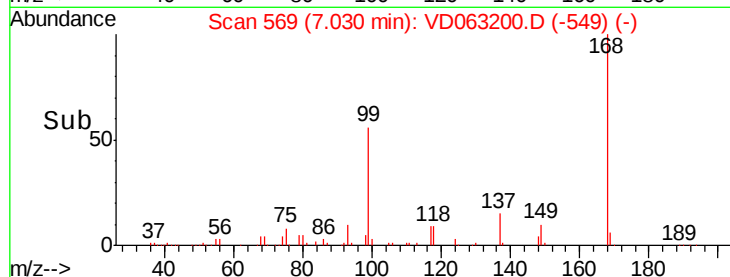
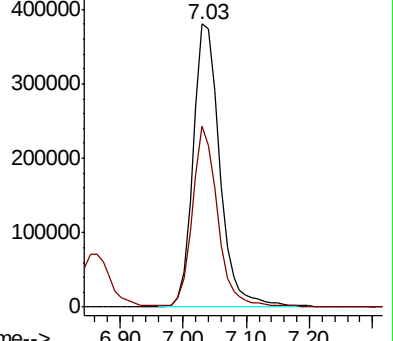
168 100

99 64.0 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.970 ug/l

RT: 1.57 min Scan# 14

Delta R.T. 0.00 min

Lab File: VD063200.D

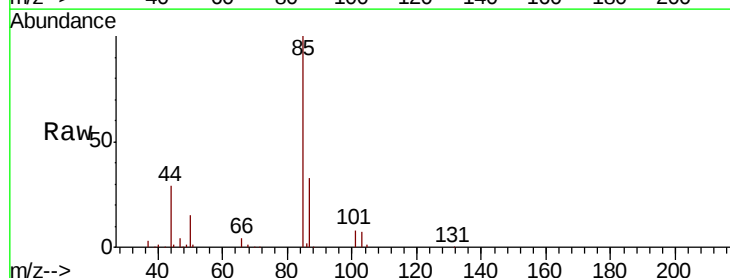
Acq: 29 Jul 2019 15:45

Tgt Ion: 85 Resp: 260008

Ion Ratio Lower Upper

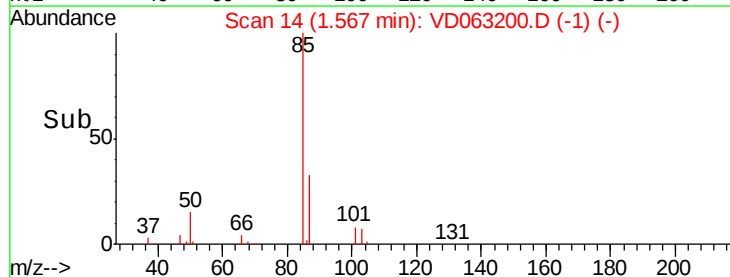
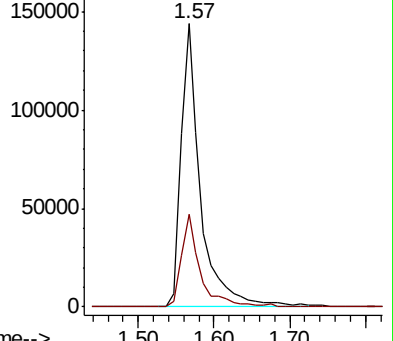
85 100

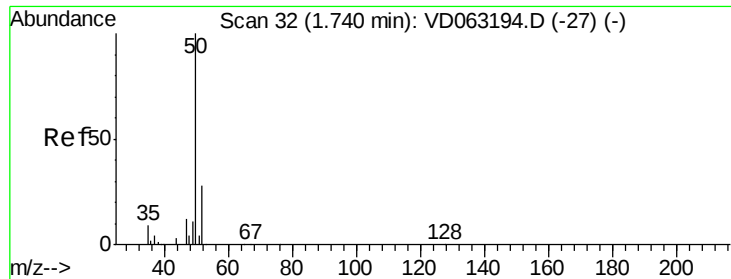
87 32.7 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.297 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

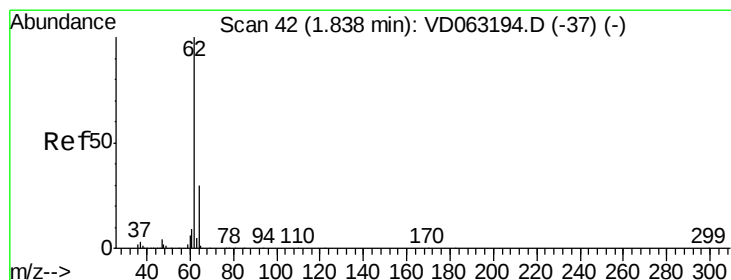
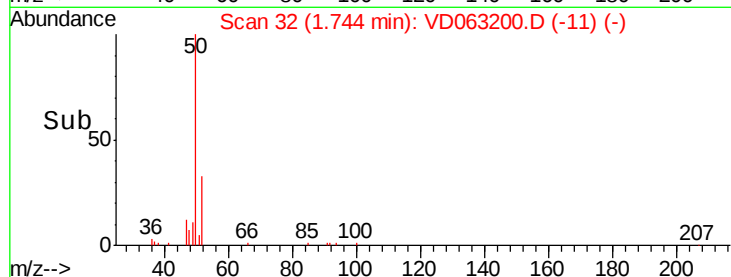
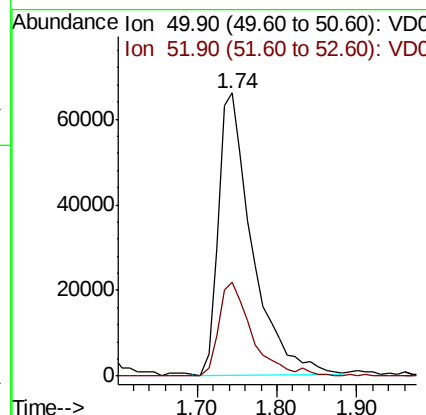
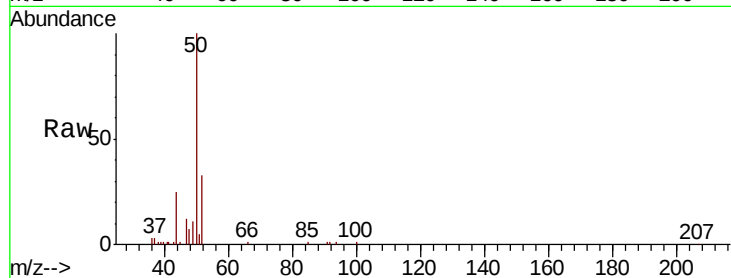
VD0729SBS01

Tot Ion: 50 Resp: 194846

Ion Ratio Lower Upper

50 100

52 33.1 22.6 34.0



#4

Vinyl Chloride

Concen: 17.412 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063200.D

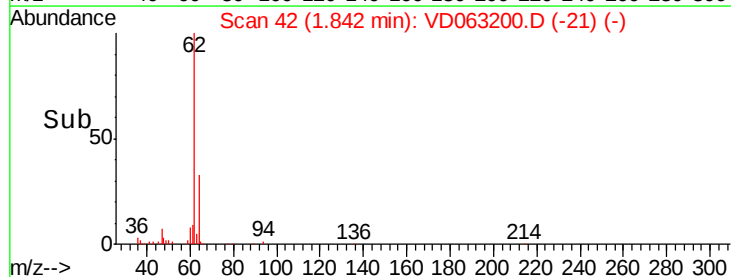
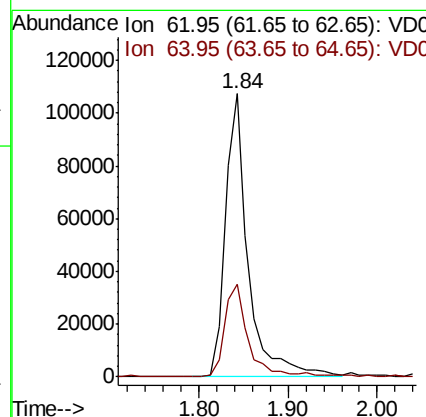
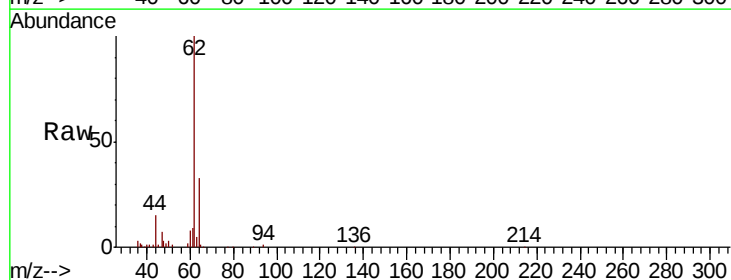
Acq: 29 Jul 2019 15:45

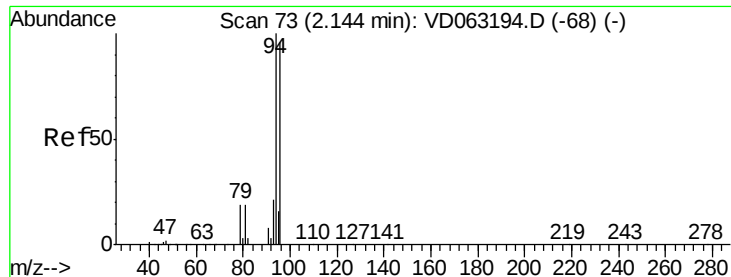
Tgt Ion: 62 Resp: 191945

Ion Ratio Lower Upper

62 100

64 32.6 24.1 36.1





#5

Bromomethane

Concen: 15.233 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

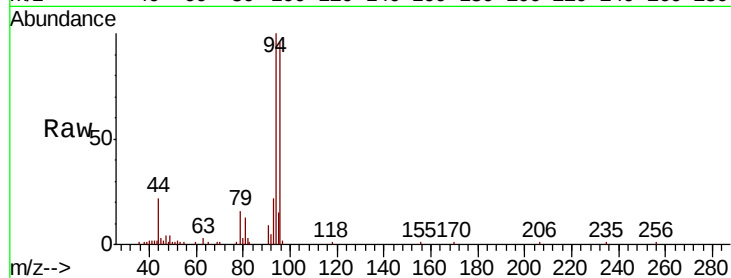
Tot Ion: 94 Resp: 84692

Ion Ratio Lower Upper

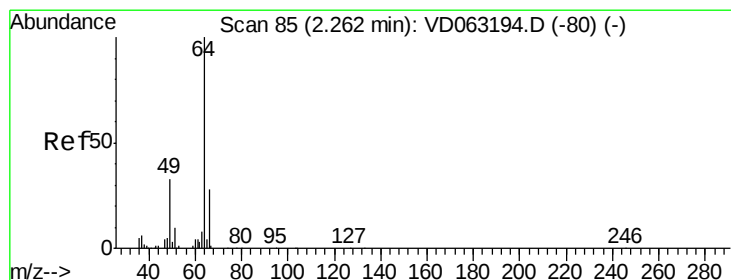
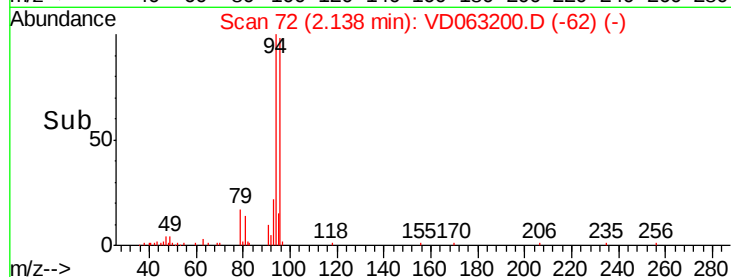
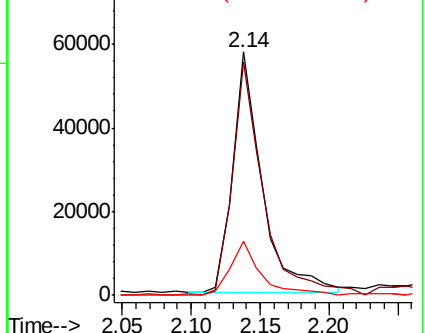
94 100

96 95.8 76.4 114.6

93 22.1 17.3 25.9



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



#6

Chloroethane

Concen: 17.381 ug/l

RT: 2.25 min Scan# 83

Delta R.T. -0.02 min

Lab File: VD063200.D

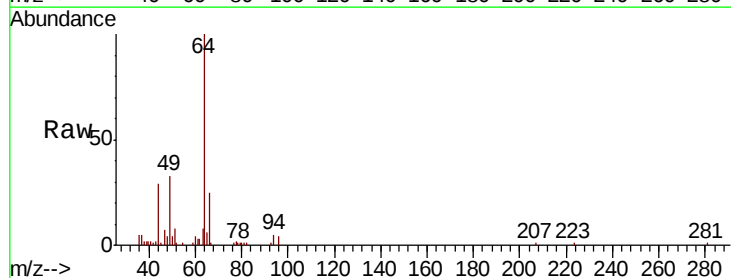
Acq: 29 Jul 2019 15:45

Tgt Ion: 64 Resp: 88464

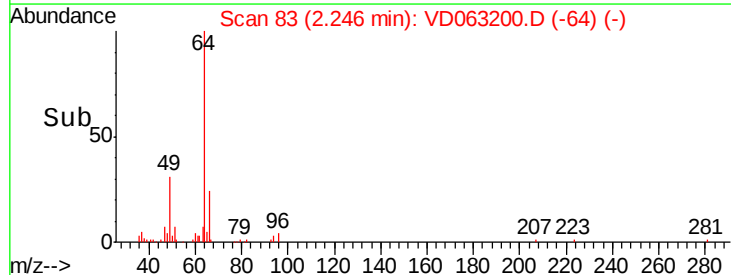
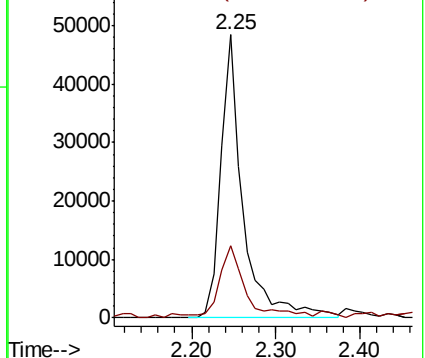
Ion Ratio Lower Upper

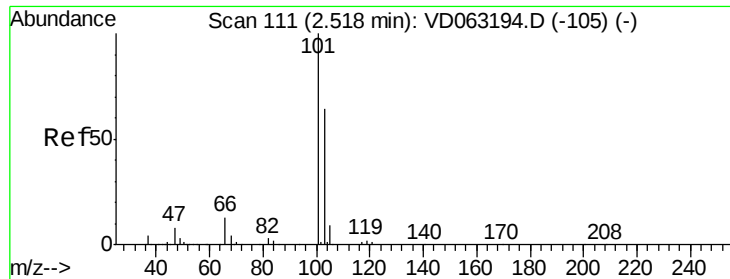
64 100

66 25.4 22.2 33.2



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



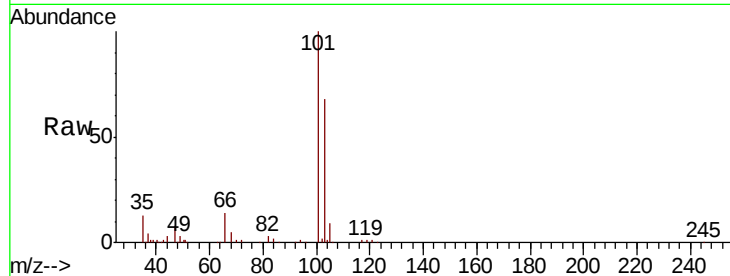


#7

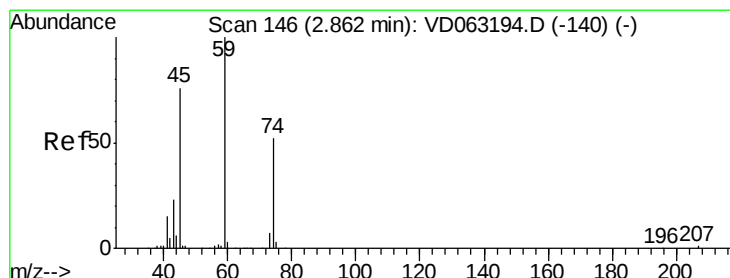
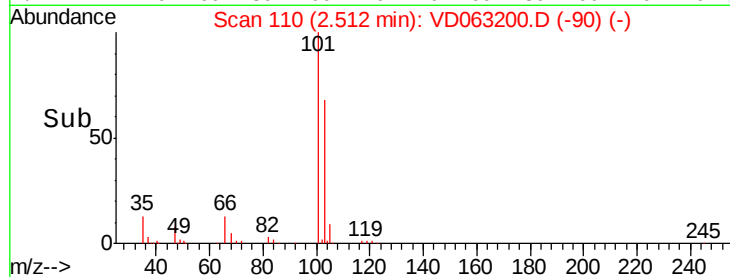
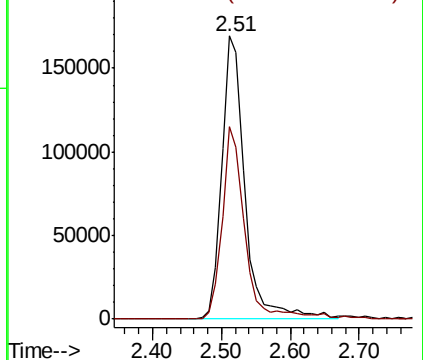
Trichlorofluoromethane
 Concen: 18.461 ug/l
 RT: 2.51 min Scan# 110
 Delta R.T. -0.01 min
 Lab File: VD063200.D
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Tot Ion:101 Resp: 394810
 Ion Ratio Lower Upper
 101 100
 103 67.9 51.5 77.3



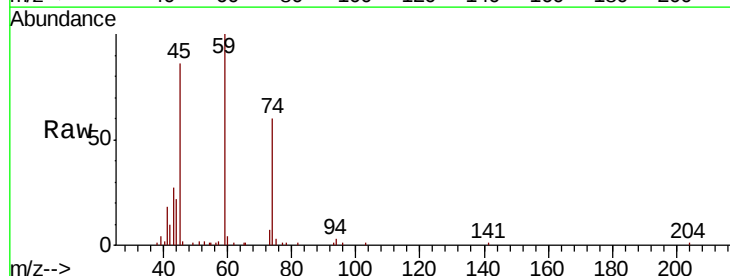
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



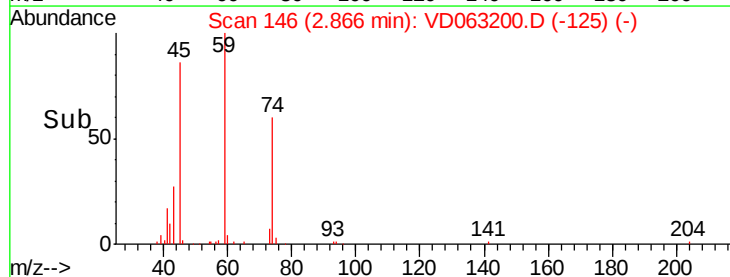
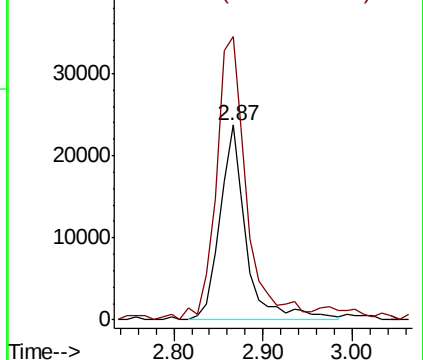
#8

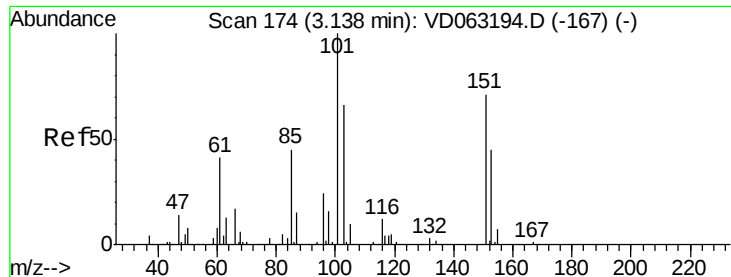
Diethyl Ether
 Concen: 16.458 ug/l
 RT: 2.87 min Scan# 146
 Delta R.T. 0.00 min
 Lab File: VD063200.D
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Tgt Ion: 74 Resp: 49259
 Ion Ratio Lower Upper
 74 100
 45 145.2 73.6 220.8



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: 16.526 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBSD01

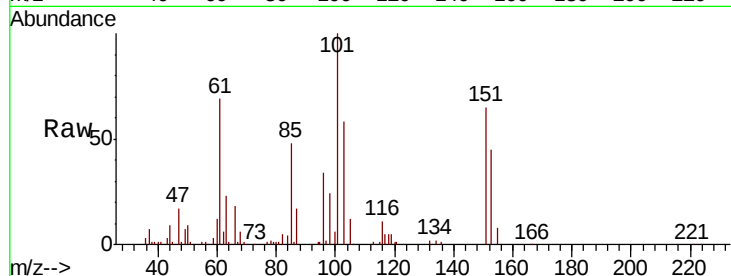
Tot Ion:101 Resp: 195782

Ion Ratio Lower Upper

101 100

85 47.5 36.1 54.1

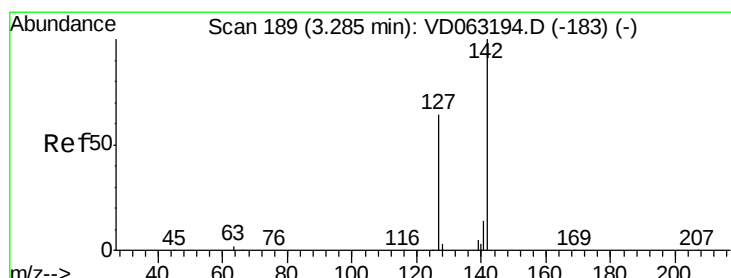
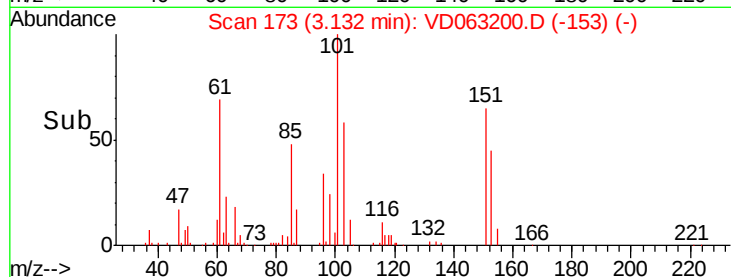
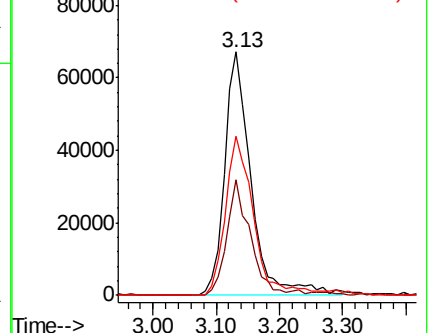
151 65.3 57.1 85.7



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: 17.756 ug/l

RT: 3.29 min Scan# 189

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

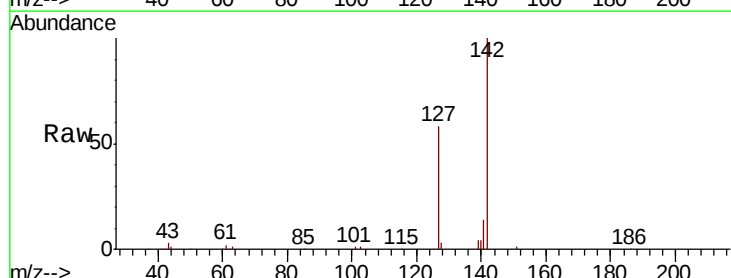
Tgt Ion:142 Resp: 303876

Ion Ratio Lower Upper

142 100

127 57.6 50.8 76.2

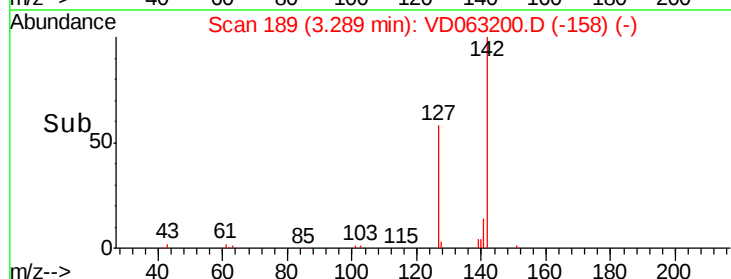
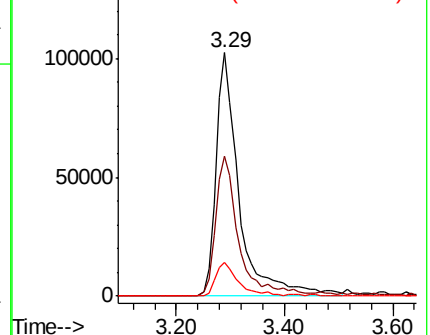
141 13.6 11.4 17.2

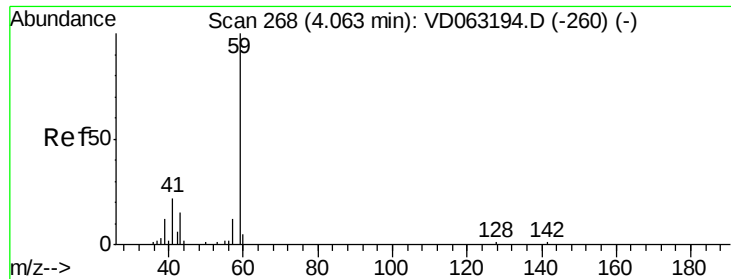


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



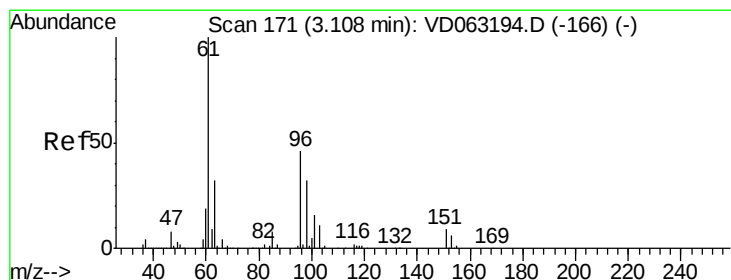
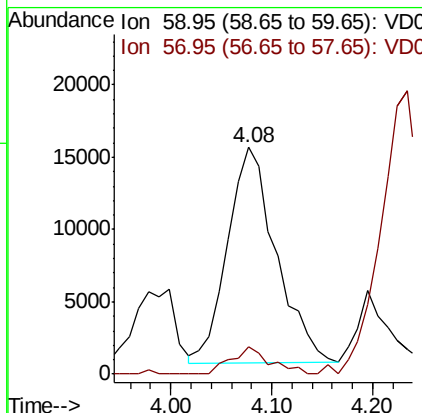
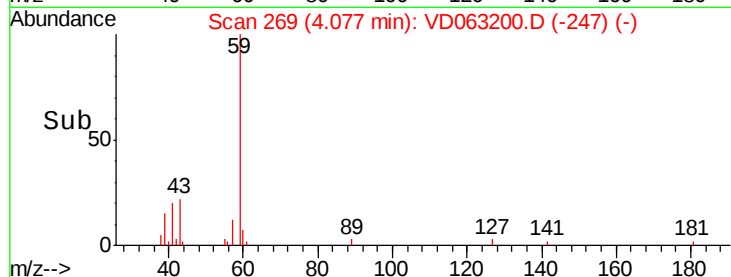
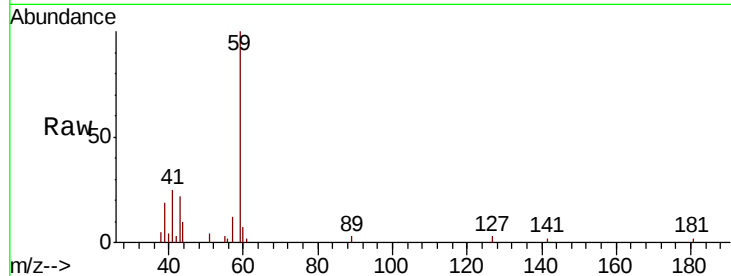


#11

Tert butyl alcohol
 Concen: 91.384 ug/l
 RT: 4.08 min Scan# 269
 Delta R.T. 0.01 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

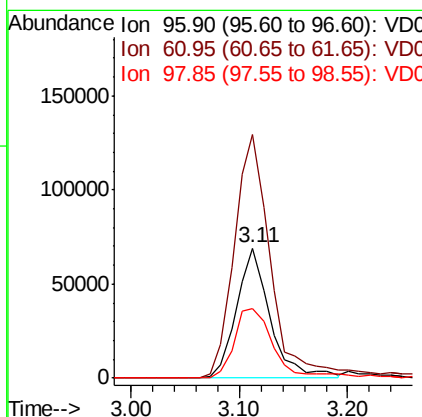
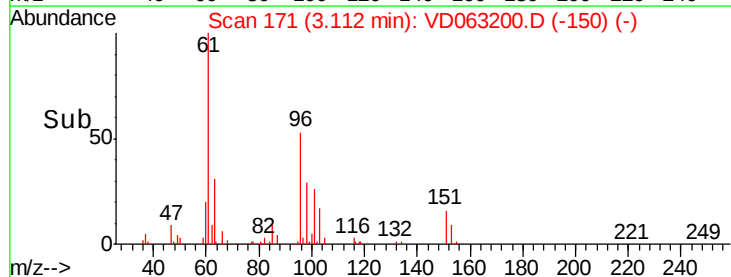
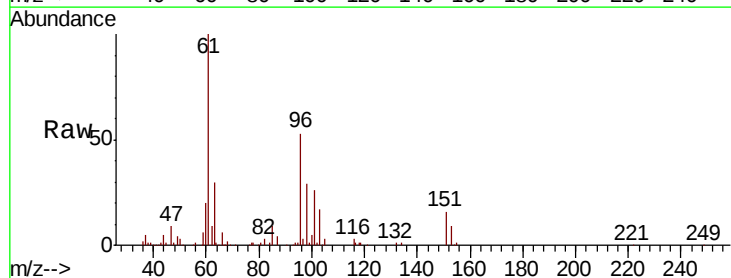
Tot Ion: 59 Resp: 49895
 Ion Ratio Lower Upper
 59 100
 57 12.0 9.6 14.4

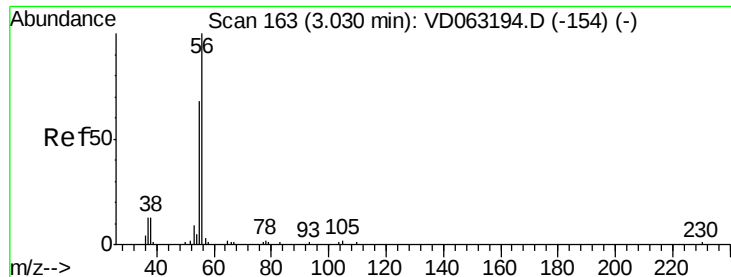


#12

1,1-Dichloroethene
 Concen: 17.169 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. 0.00 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

Tgt Ion: 96 Resp: 149321
 Ion Ratio Lower Upper
 96 100
 61 187.5 173.7 260.5
 98 53.9 55.8 83.8#





#13

Acrolein

Concen: 97.599 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

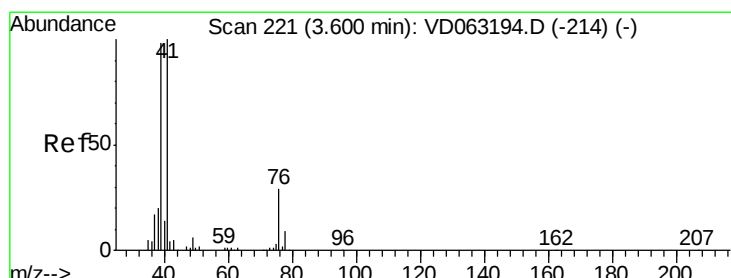
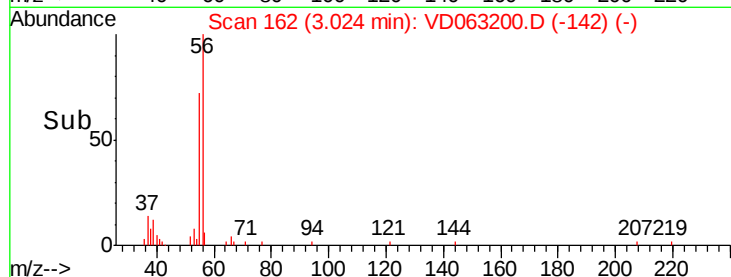
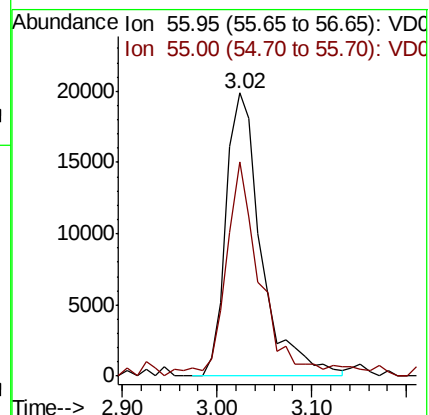
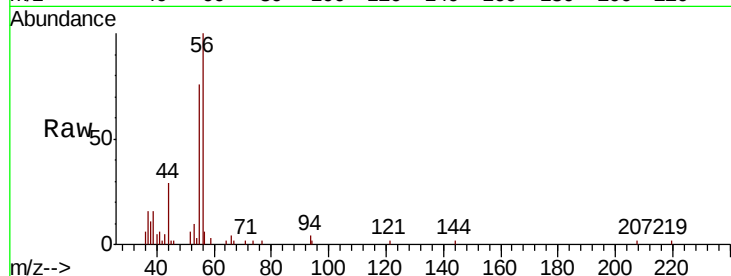
VD0729SBS01

Tot Ion: 56 Resp: 51285

Ion Ratio Lower Upper

56 100

55 75.8 55.3 82.9



#14

Allyl chloride

Concen: 18.130 ug/l

RT: 3.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

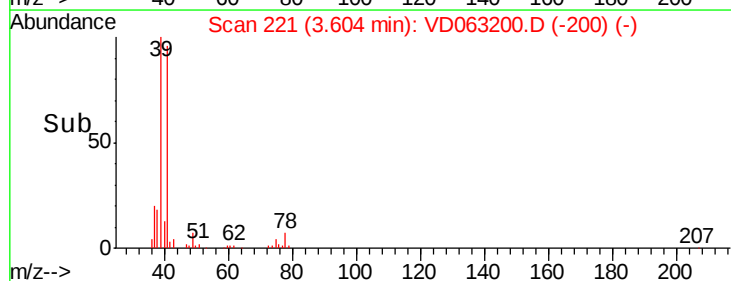
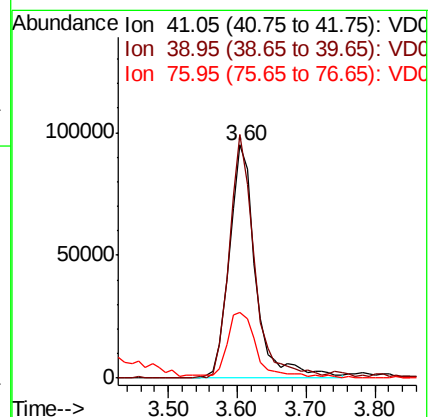
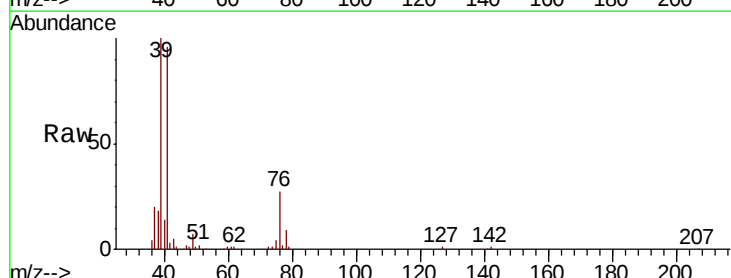
Tgt Ion: 41 Resp: 251186

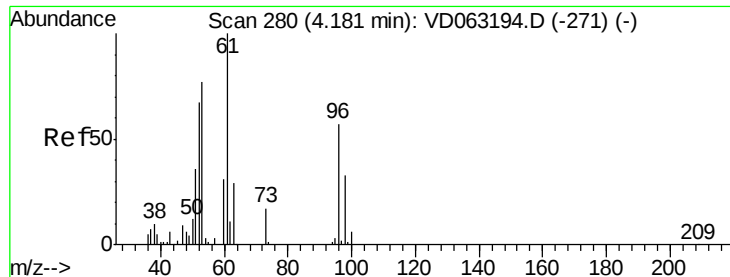
Ion Ratio Lower Upper

41 100

39 104.6 78.6 117.8

76 28.0 24.5 36.7





#15

Acrylonitrile

Concen: 87.464 ug/l

RT: 4.19 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

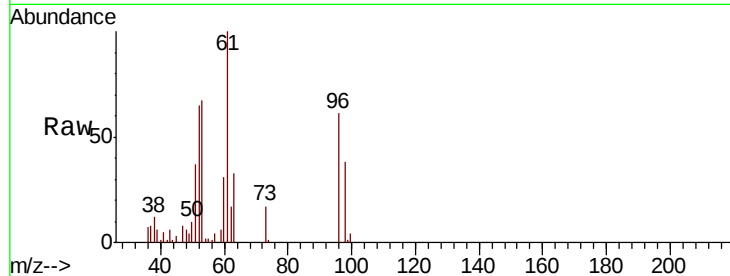
Tot Ion: 53 Resp: 123809

Ion Ratio Lower Upper

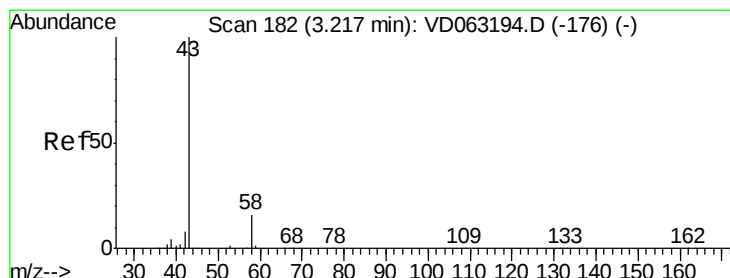
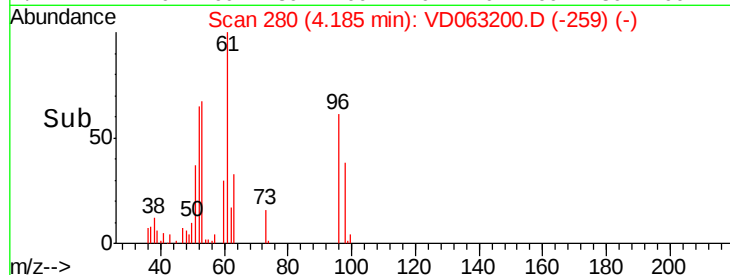
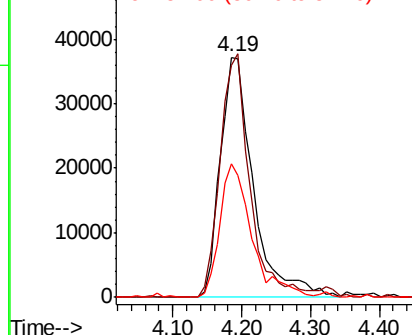
53 100

52 96.7 69.7 104.5

51 55.5 37.4 56.0



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: 92.224 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063200.D

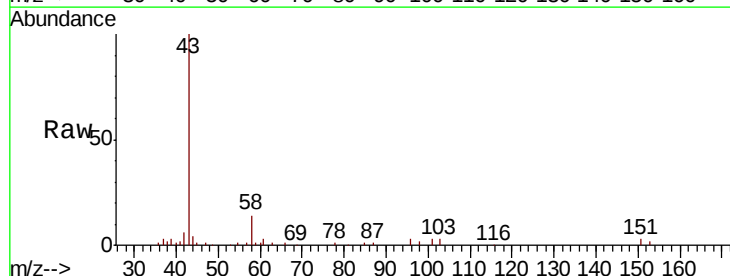
Acq: 29 Jul 2019 15:45

Tgt Ion: 43 Resp: 223559

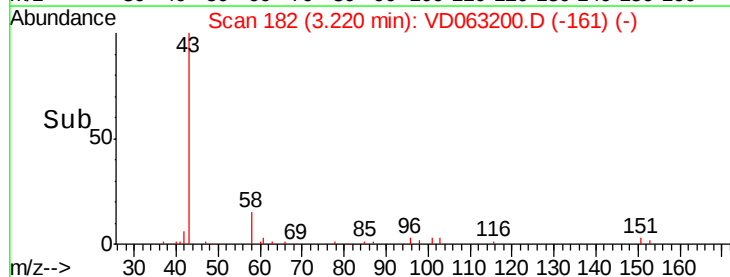
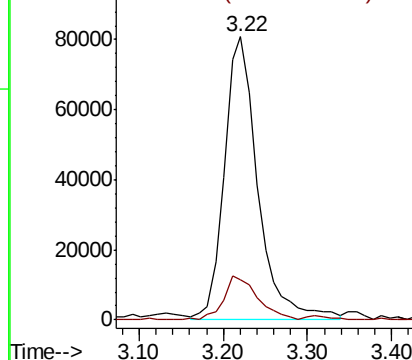
Ion Ratio Lower Upper

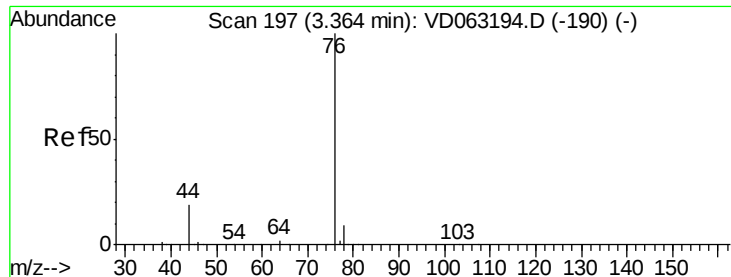
43 100

58 14.3 13.0 19.4



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

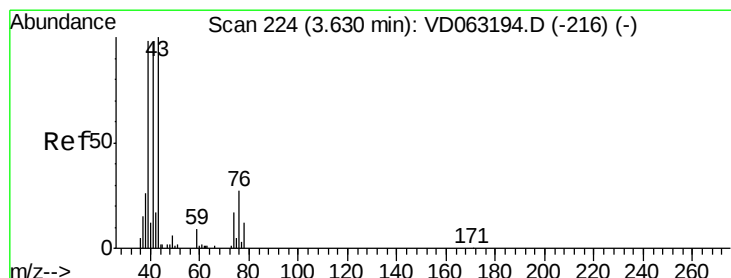
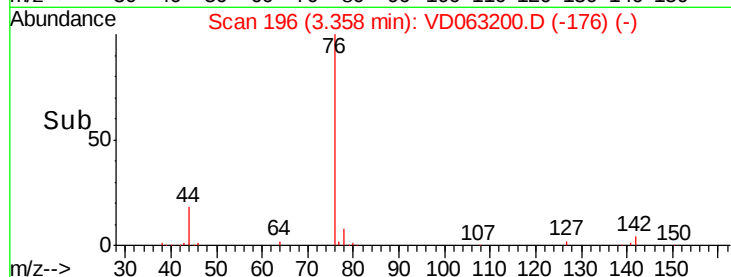
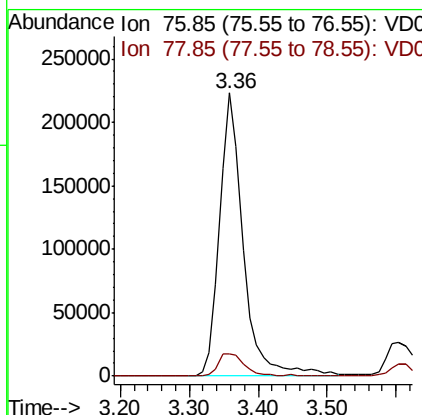
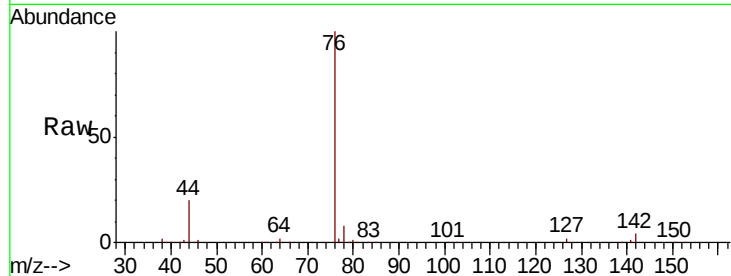




#17
Carbon Disulfide
Concen: 18.331 ug/l
RT: 3.36 min Scan# 196
Delta R.T. -0.01 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

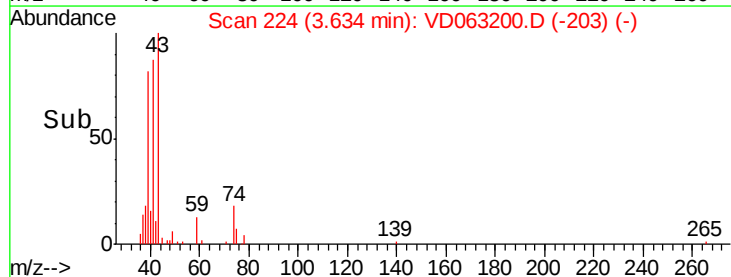
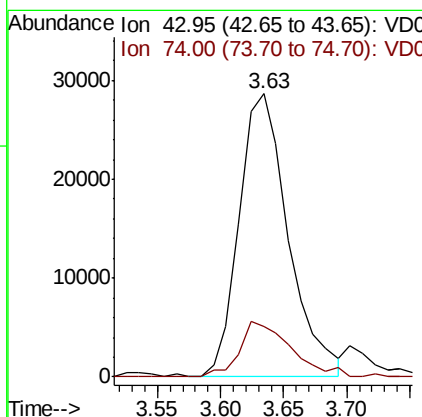
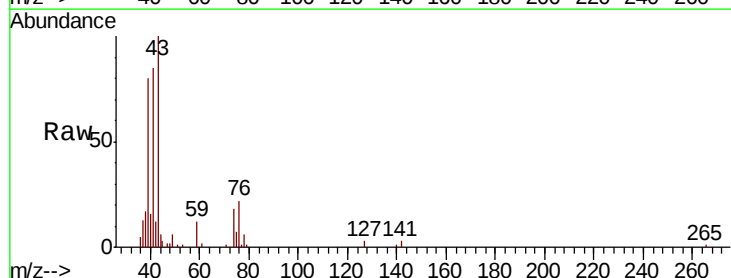
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBSD01

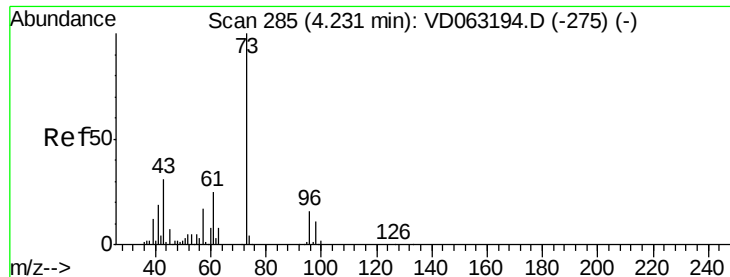
Tot Ion: 76 Resp: 533621
Ion Ratio Lower Upper
76 100
78 8.0 7.4 11.2



#18
Methyl Acetate
Concen: 16.688 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Tgt Ion: 43 Resp: 77703
Ion Ratio Lower Upper
43 100
74 17.9 13.8 20.8

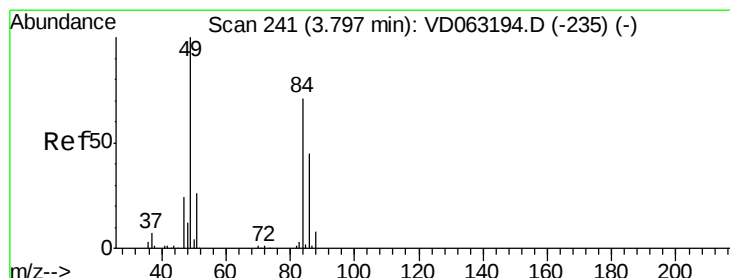
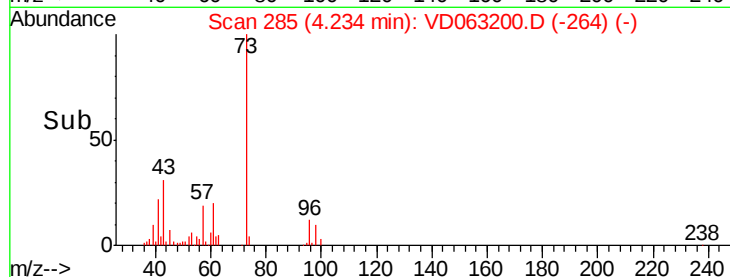
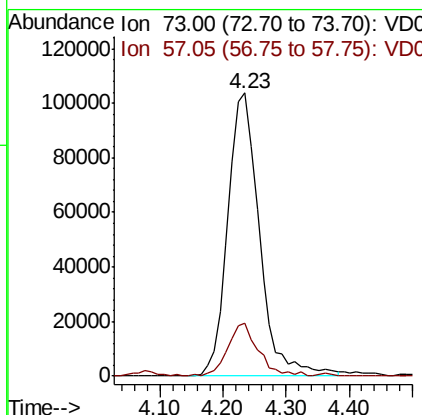
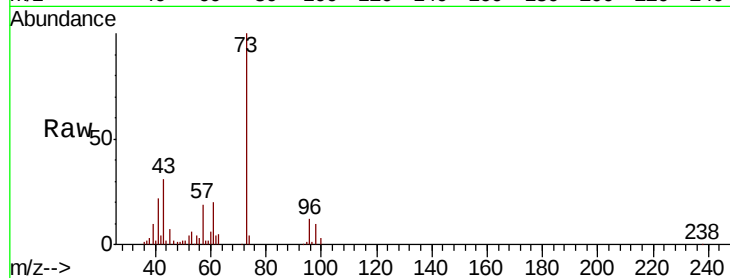




#19
Methyl tert-butyl Ether
Concen: 18.414 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

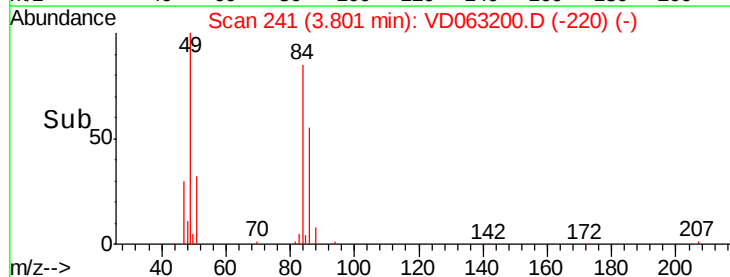
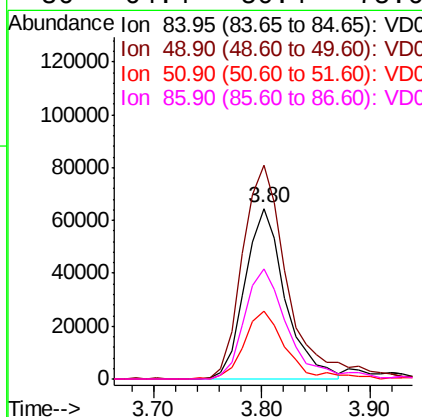
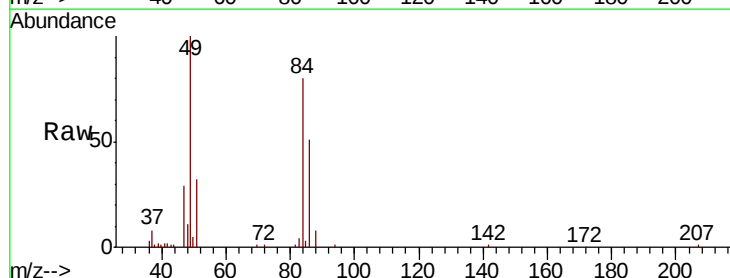
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

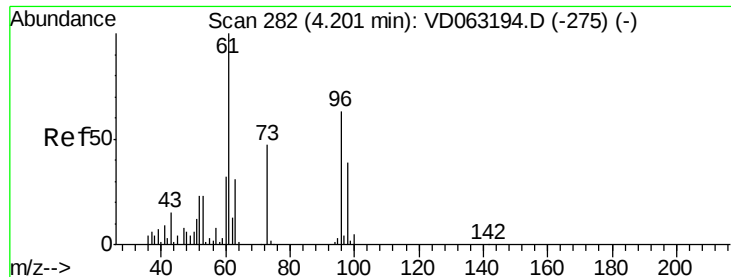
Tot Ion: 73 Resp: 361755
Ion Ratio Lower Upper
73 100
57 18.9 13.8 20.6



#20
Methylene Chloride
Concen: 17.132 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Tgt Ion: 84 Resp: 167868
Ion Ratio Lower Upper
84 100
49 125.1 112.5 168.7
51 39.9 29.6 44.4
86 64.4 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 18.707 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBSD01

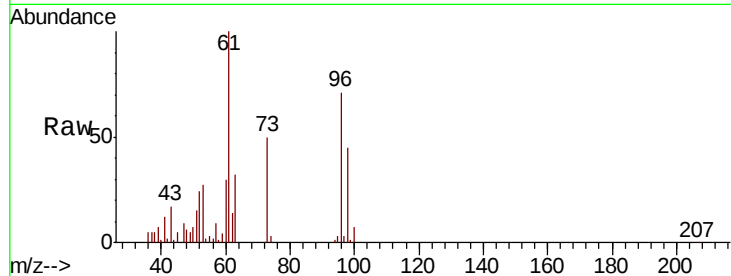
Tot Ion: 96 Resp: 182552

Ion Ratio Lower Upper

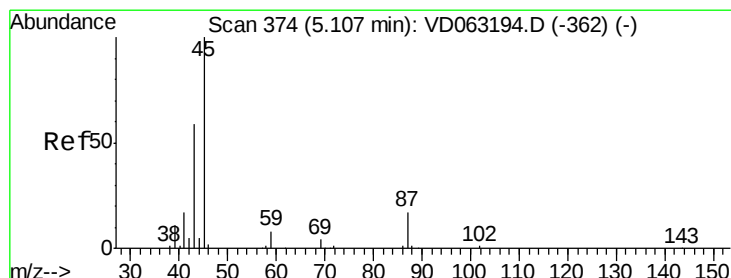
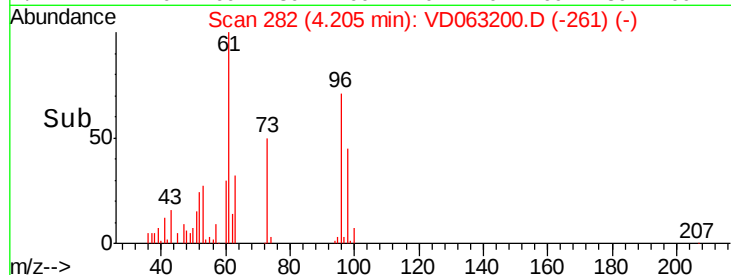
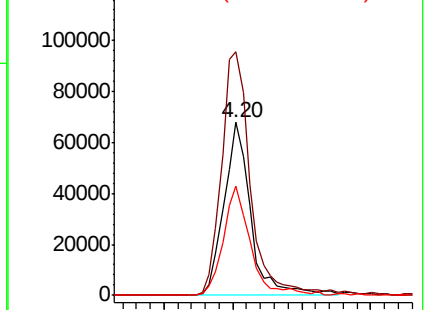
96 100

61 140.9 127.4 191.2

98 63.3 49.3 73.9



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: 18.168 ug/l

RT: 5.11 min Scan# 374

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Tgt Ion: 45 Resp: 502897

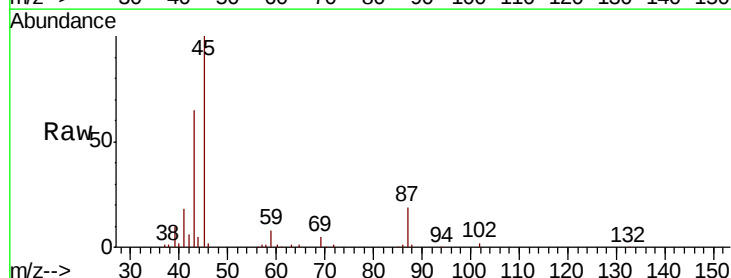
Ion Ratio Lower Upper

45 100

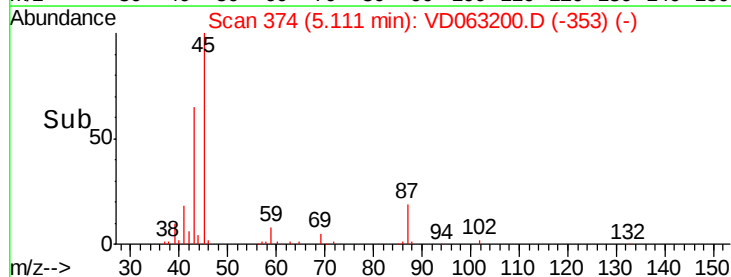
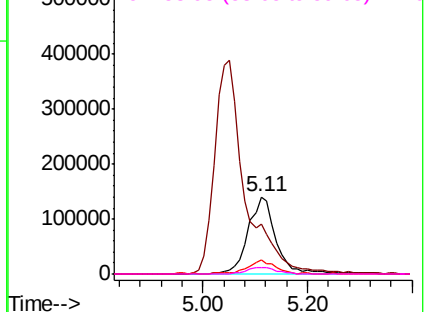
43 65.4 51.7 77.5

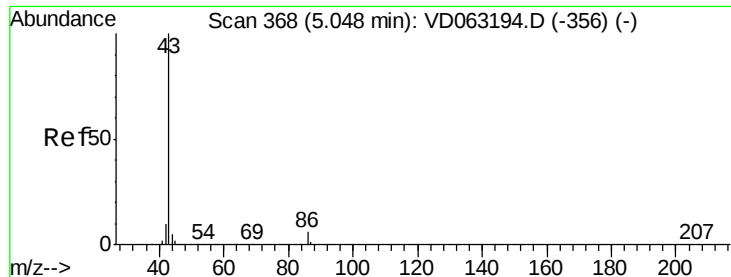
87 19.0 14.6 21.8

59 8.4 6.6 10.0



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: 91.063 ug/l

RT: 5.05 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

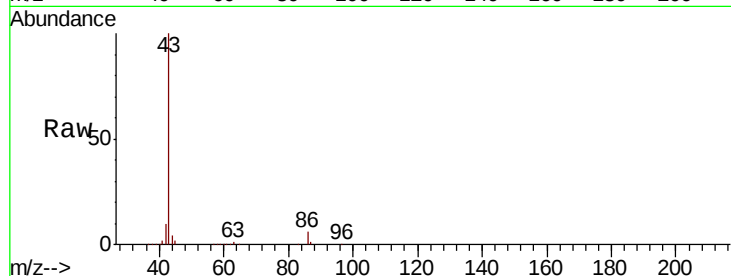
VD0729SBS01

Tot Ion: 43 Resp: 1549437

Ion Ratio Lower Upper

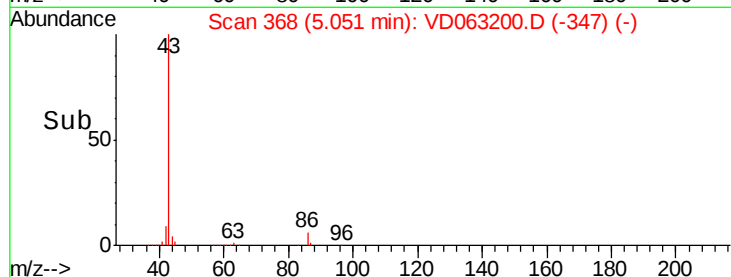
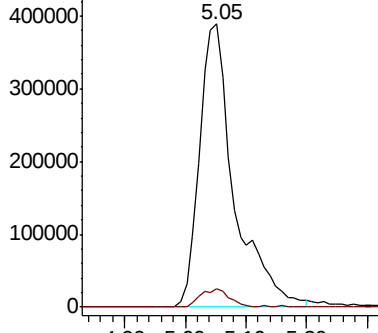
43 100

86 6.4 4.9 7.3

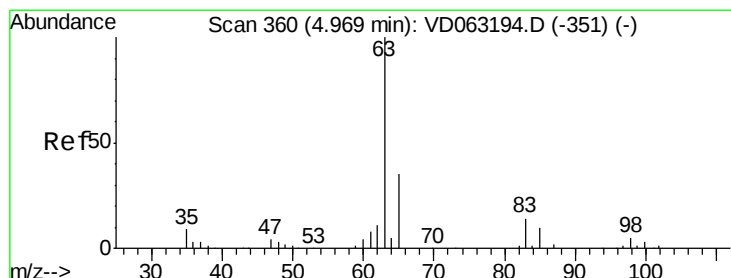


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 18.680 ug/l

RT: 4.97 min Scan# 360

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

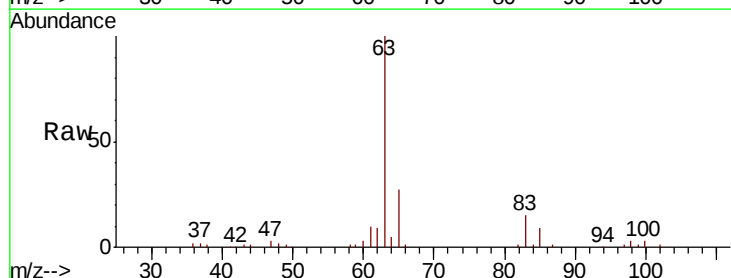
Tgt Ion: 63 Resp: 330272

Ion Ratio Lower Upper

63 100

98 3.5 2.8 8.4

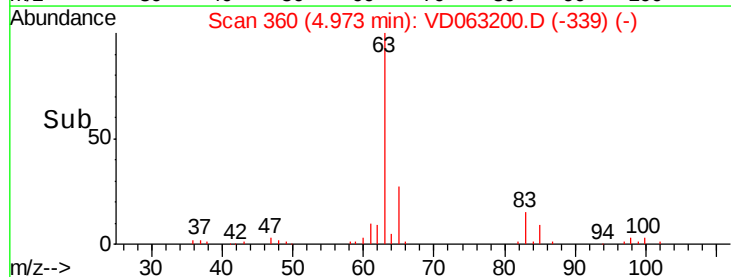
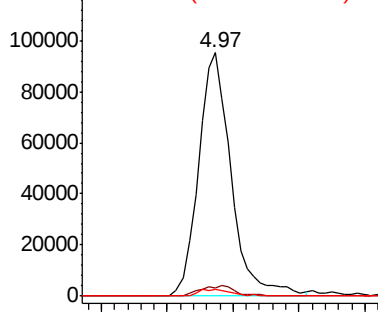
100 2.7 1.3 3.9



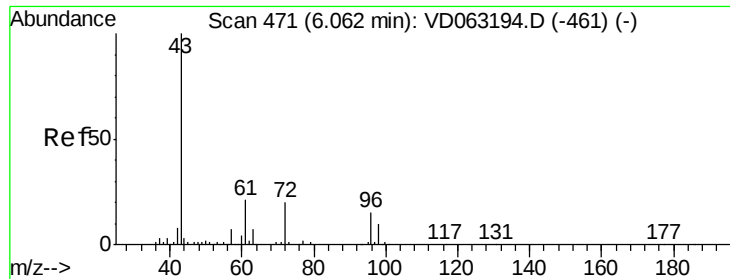
Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC



Time-->



#25

2-Butanone

Concen: 92.526 ug/l

RT: 6.07 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

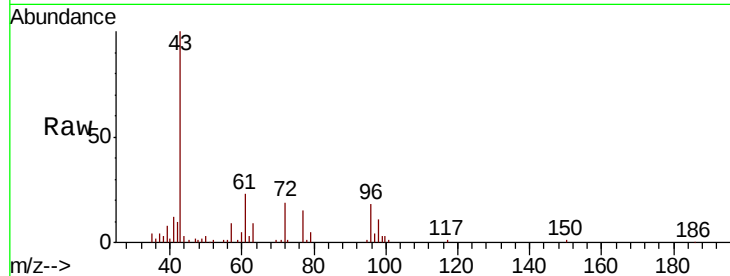
VD0729SBS01

Tot Ion: 43 Resp: 225095

Ion Ratio Lower Upper

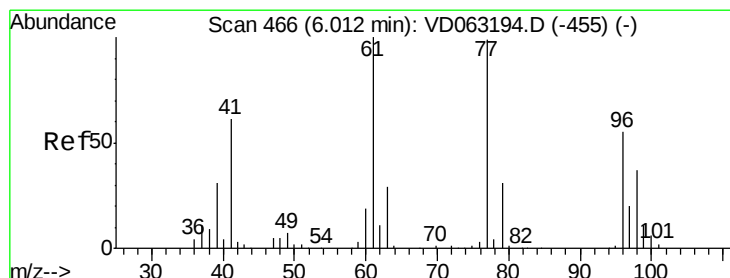
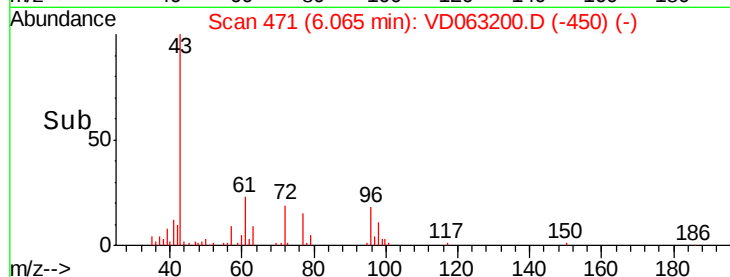
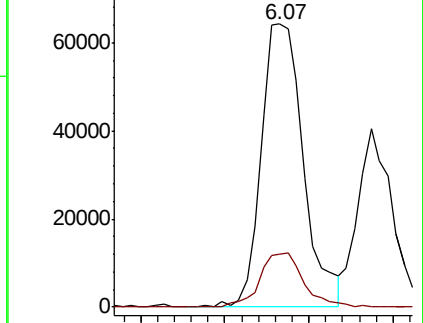
43 100

72 18.5 16.3 24.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.214 ug/l

RT: 6.01 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD063200.D

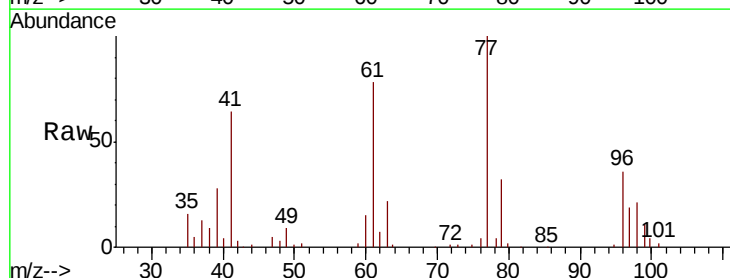
Acq: 29 Jul 2019 15:45

Tgt Ion: 77 Resp: 350084

Ion Ratio Lower Upper

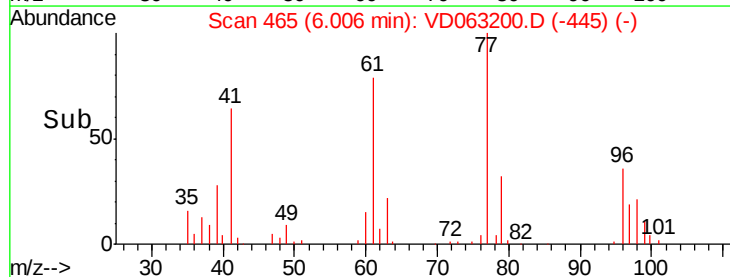
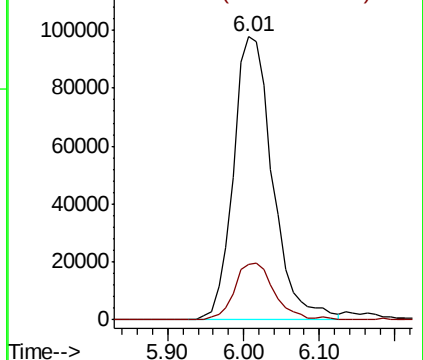
77 100

97 19.4 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



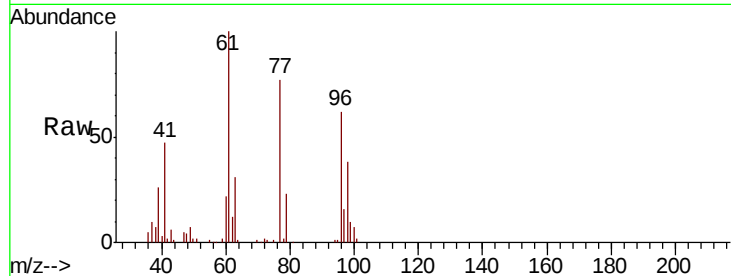


#27

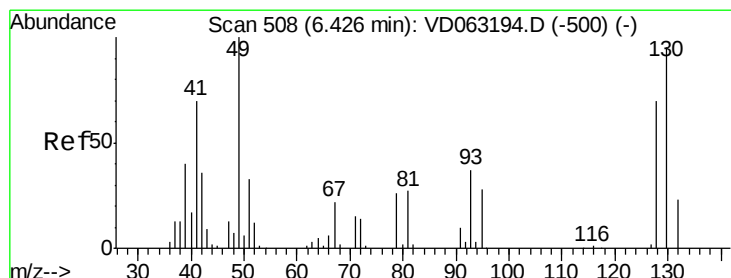
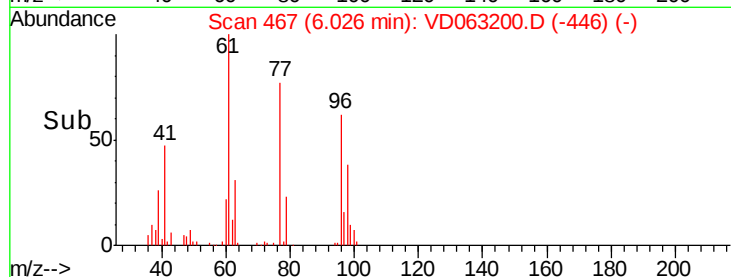
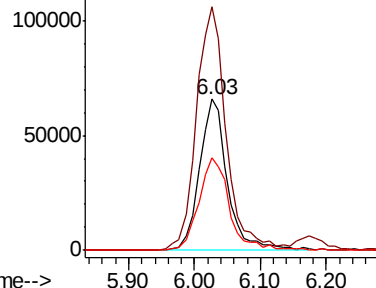
cis-1,2-Dichloroethene
 Concen: 18.672 ug/l
 RT: 6.03 min Scan# 467
 Delta R.T. 0.00 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.8	0.0	337.2
98	61.0	0.0	130.6



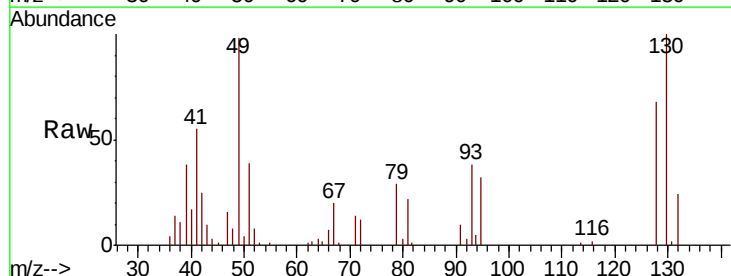
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



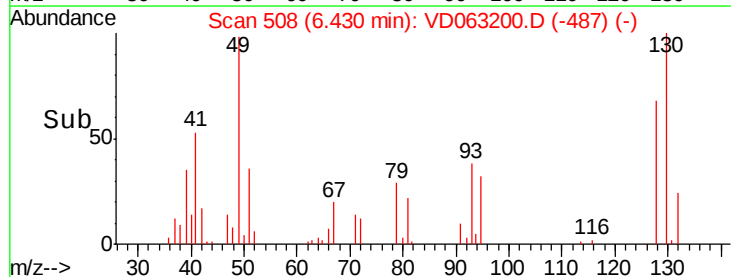
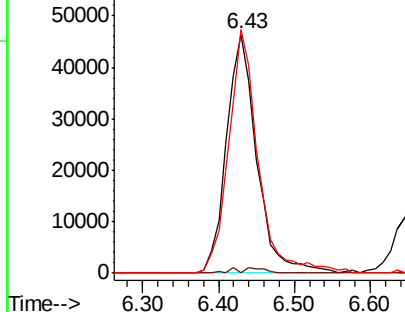
#28

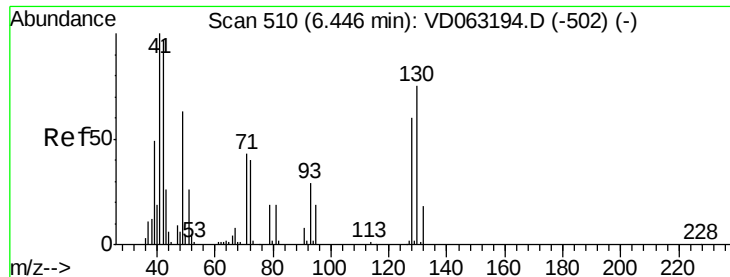
Bromochloromethane
 Concen: 18.164 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	102.0	75.7	113.5



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





#29

Tetrahydrofuran

Concen: 87.509 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

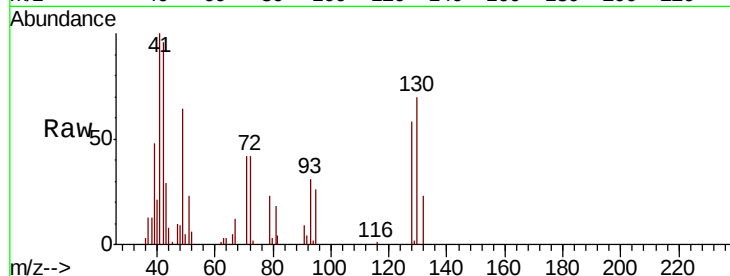
Tot Ion: 42 Resp: 100793

Ion Ratio Lower Upper

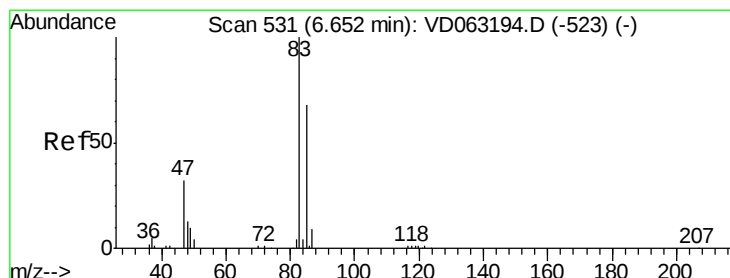
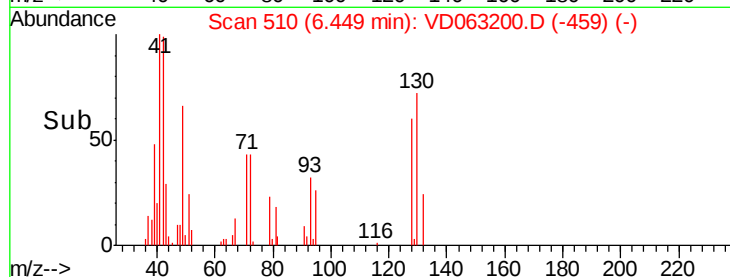
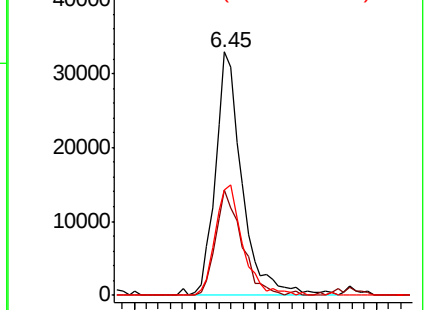
42 100

72 42.0 33.4 50.2

71 46.3 35.7 53.5



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 17.678 ug/l

RT: 6.66 min Scan# 531

Delta R.T. 0.00 min

Lab File: VD063200.D

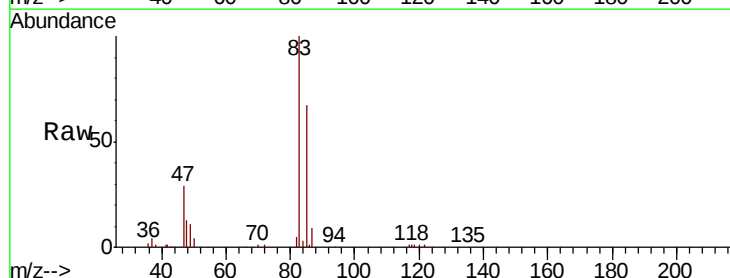
Acq: 29 Jul 2019 15:45

Tgt Ion: 83 Resp: 387894

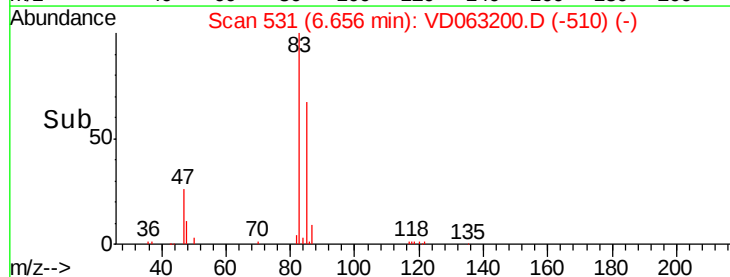
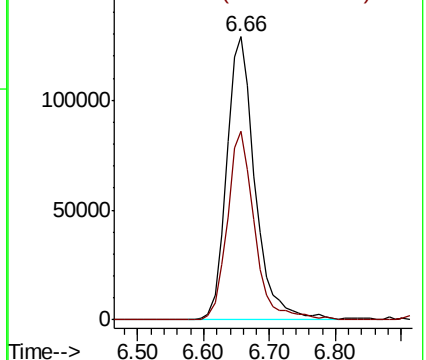
Ion Ratio Lower Upper

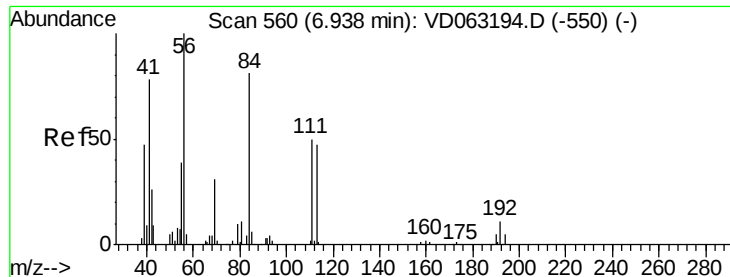
83 100

85 66.7 54.2 81.4



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

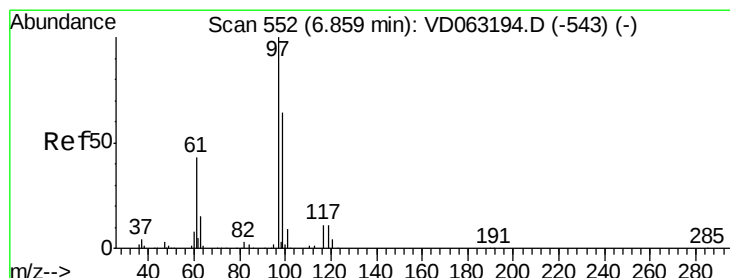
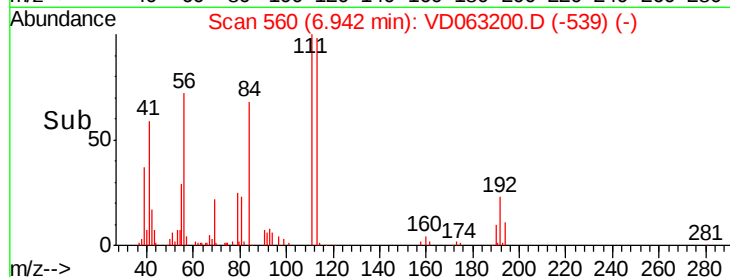
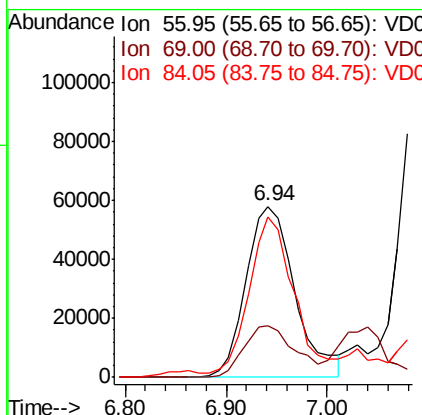
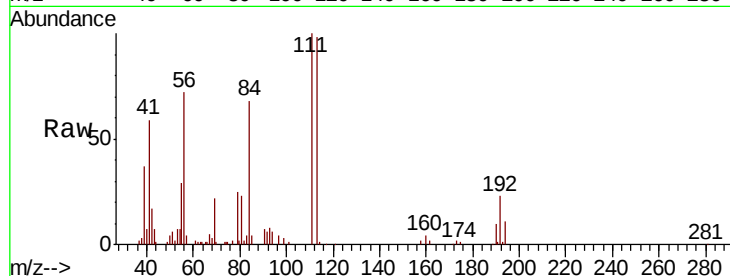




#31
Cyclohexane
Concen: 17.628 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

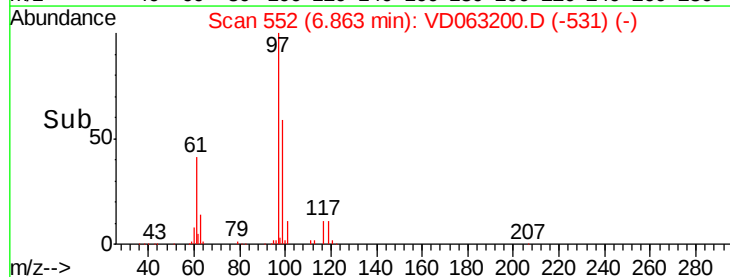
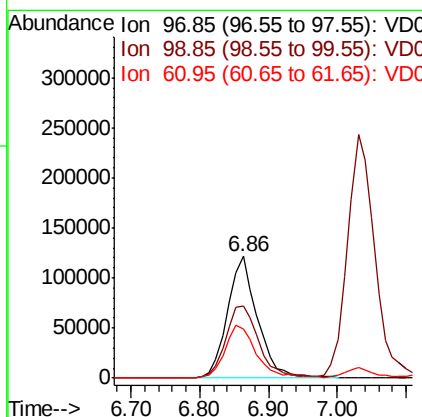
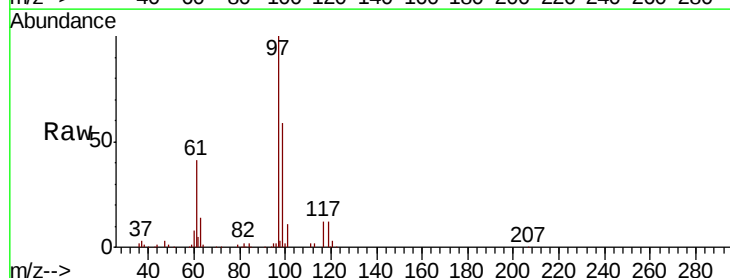
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

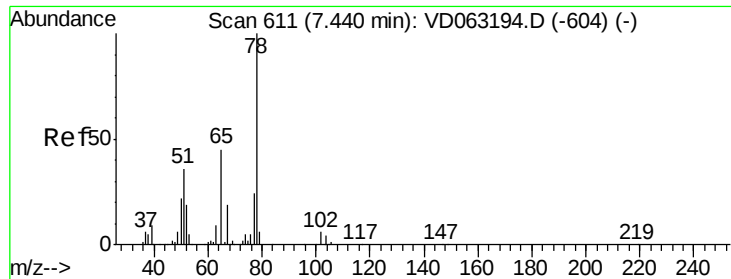
Tot Ion: 56 Resp: 195363
Ion Ratio Lower Upper
56 100
69 30.3 24.5 36.7
84 93.9 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 17.300 ug/l
RT: 6.86 min Scan# 552
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Tgt Ion: 97 Resp: 367172
Ion Ratio Lower Upper
97 100
99 59.2 51.2 76.8
61 40.7 34.2 51.2

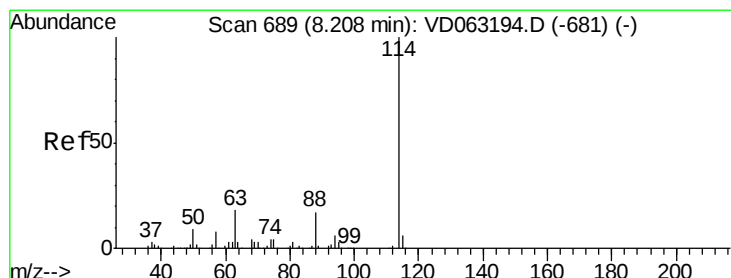
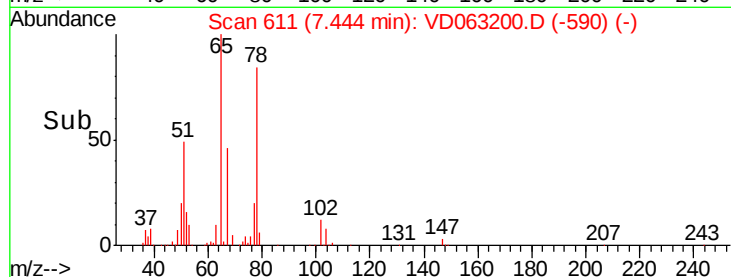
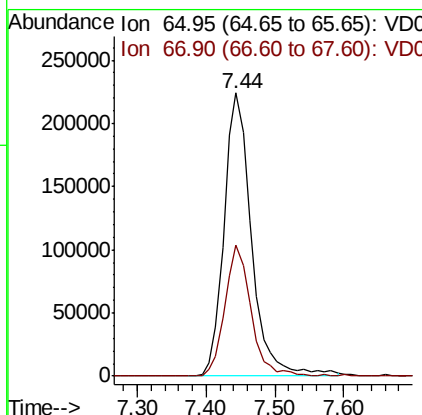
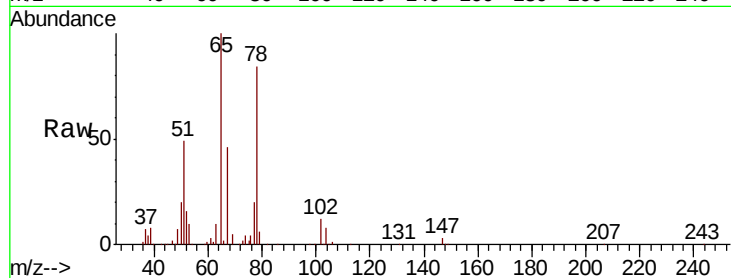




#33
 1,2-Dichloroethane-d4
 Concen: 49.742 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

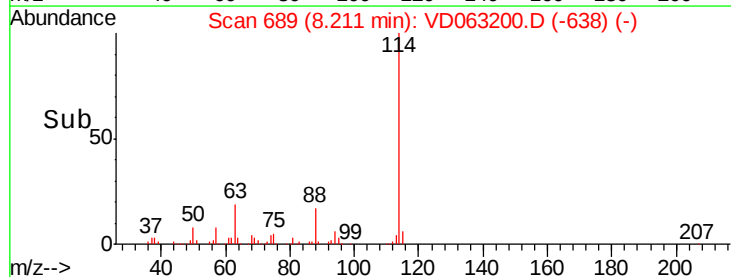
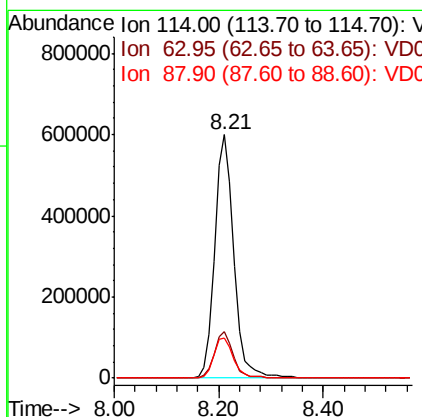
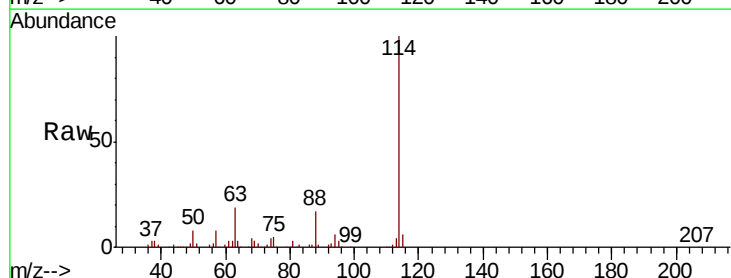
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBSD01

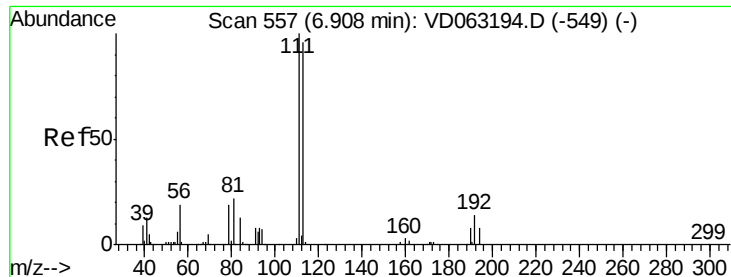
Tot Ion: 65 Resp: 618866
 Ion Ratio Lower Upper
 65 100
 67 46.1 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

Tgt Ion: 114 Resp: 1523624
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 35.2
 88 16.6 0.0 34.6





#35

Dibromofluoromethane

Concen: 50.725 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBSD01

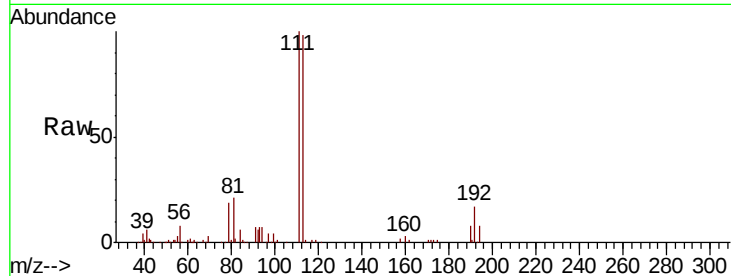
Tot Ion:113 Resp: 659859

Ion Ratio Lower Upper

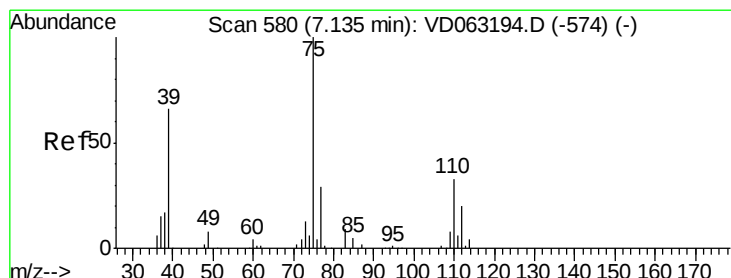
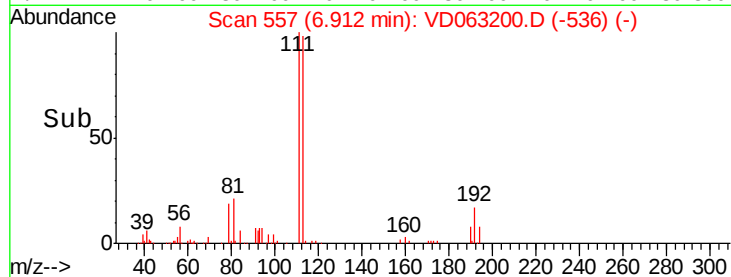
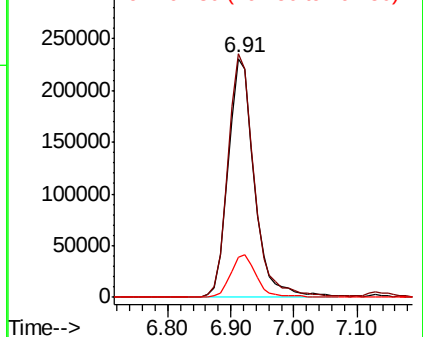
113 100

111 101.9 83.2 124.8

192 16.9 11.8 17.8



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



#36

1,1-Dichloropropene

Concen: 16.944 ug/l

RT: 7.14 min Scan# 580

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

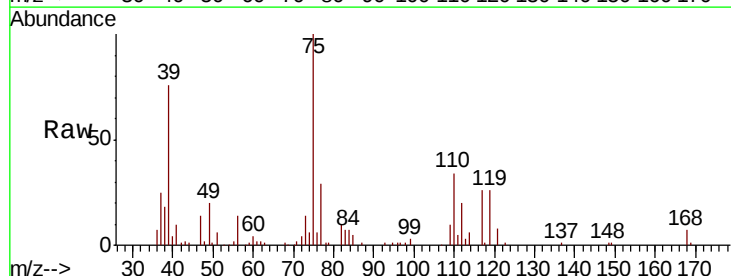
Tgt Ion: 75 Resp: 235608

Ion Ratio Lower Upper

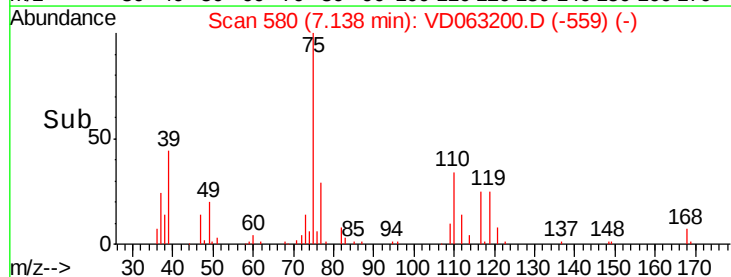
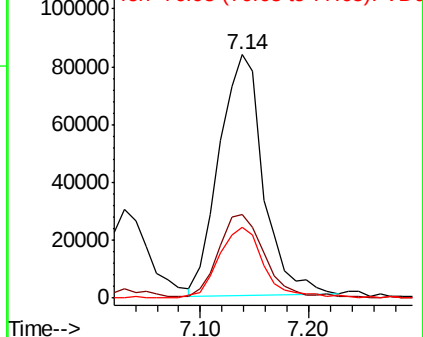
75 100

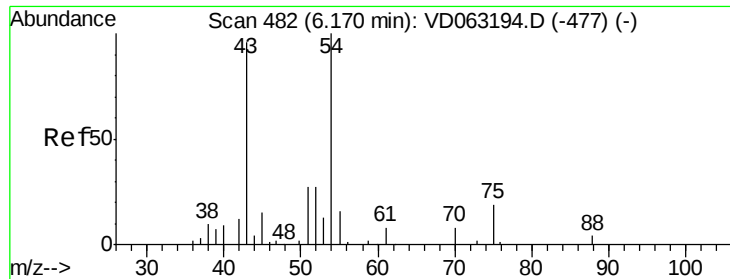
110 34.3 16.1 48.2

77 29.3 22.7 34.1



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

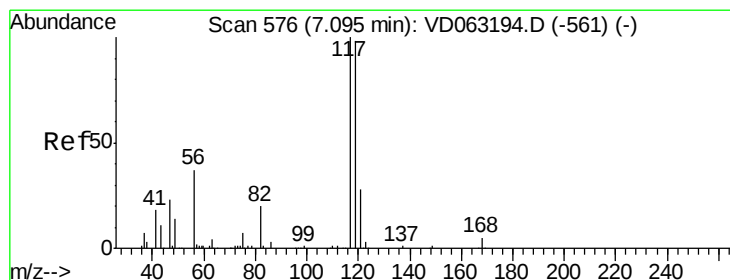
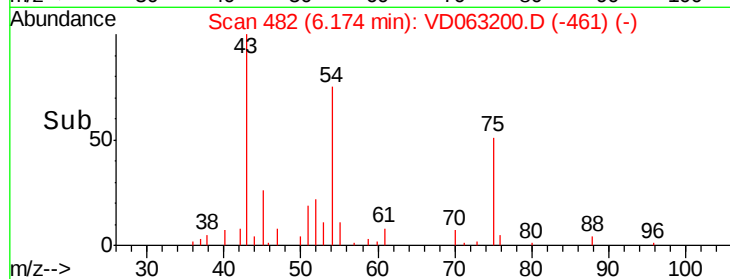
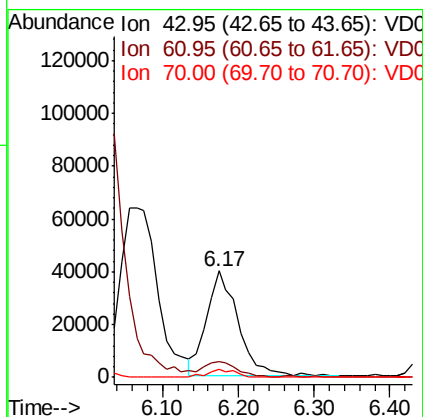
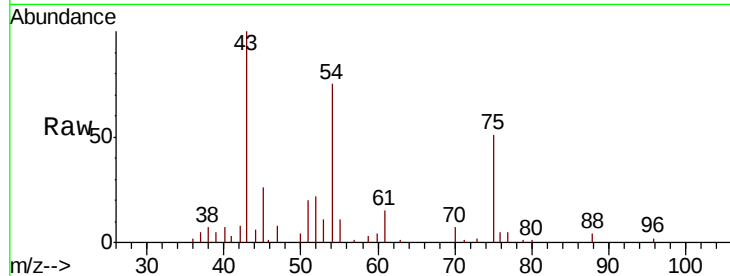




#37
Ethyl Acetate
Concen: 18.653 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

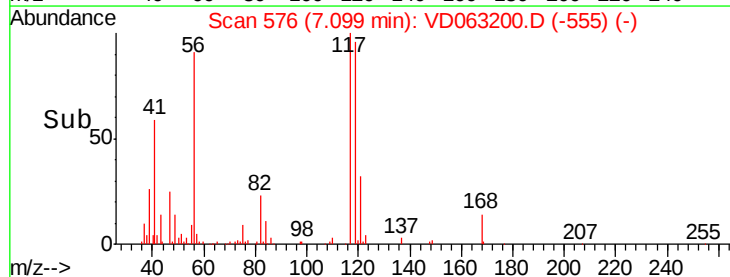
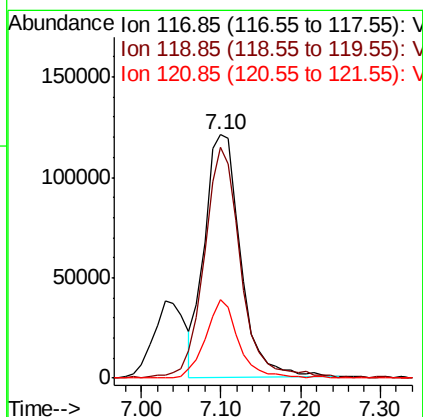
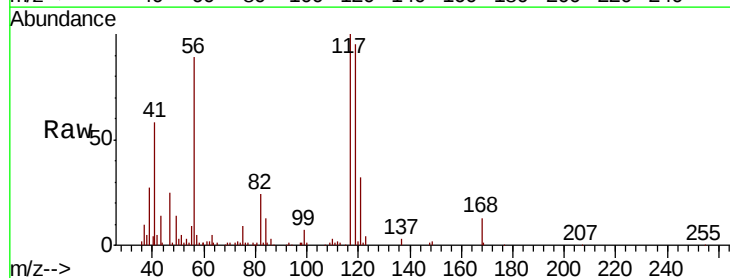
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBSD01

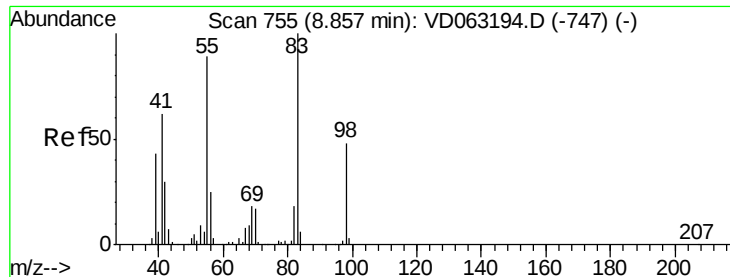
Tot Ion: 43 Resp: 116523
Ion Ratio Lower Upper
43 100
61 15.0 11.3 16.9
70 7.4 5.1 7.7



#38
Carbon Tetrachloride
Concen: 18.293 ug/l
RT: 7.10 min Scan# 576
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Tgt Ion: 117 Resp: 382943
Ion Ratio Lower Upper
117 100
119 95.0 78.2 117.2
121 32.1 22.1 33.1

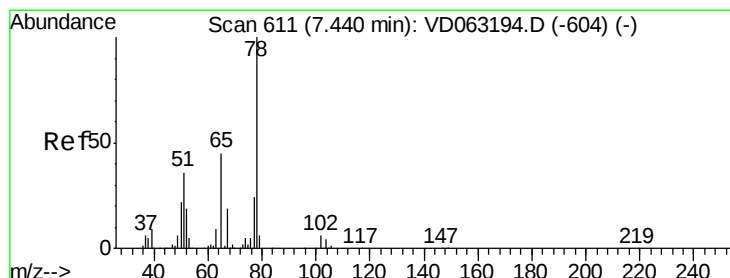
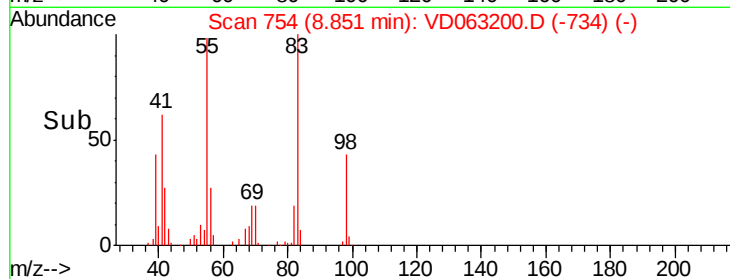
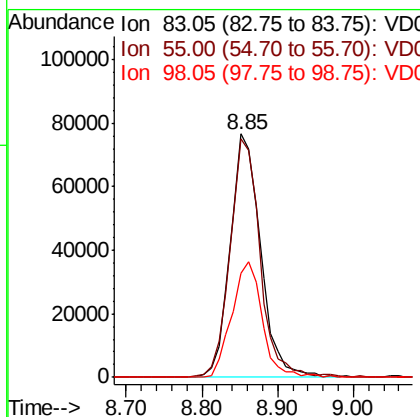
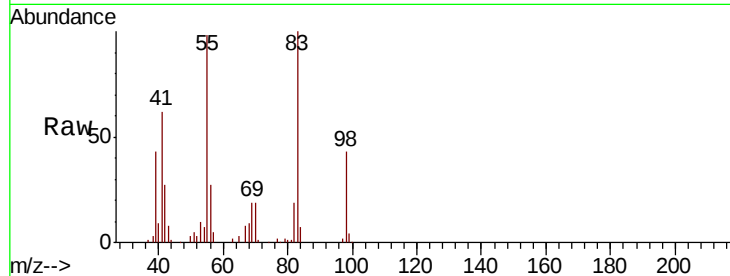




#39
Methvlcvclohexane
Concen: 18.273 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

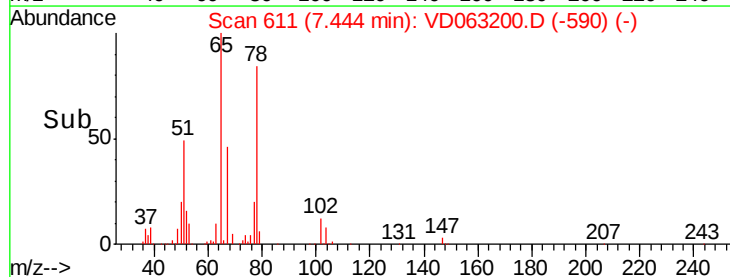
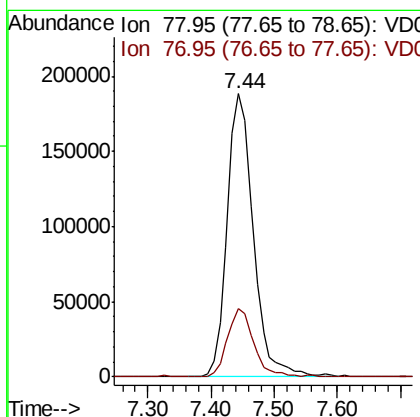
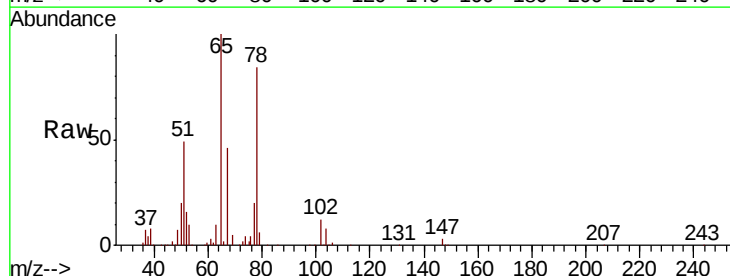
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBSD01

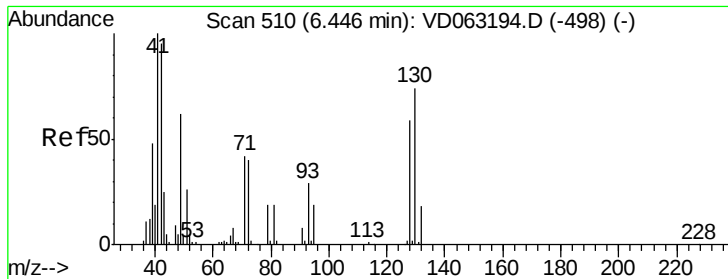
Tot Ion: 83 Resp: 211694
Ion Ratio Lower Upper
83 100
55 98.0 71.1 106.7
98 42.9 38.5 57.7



#40
Benzene
Concen: 18.536 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Tgt Ion: 78 Resp: 540177
Ion Ratio Lower Upper
78 100
77 24.0 19.4 29.2





#41

Methacrylonitrile

Concen: 17.251 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

Tot Ion: 41 Resp: 128906

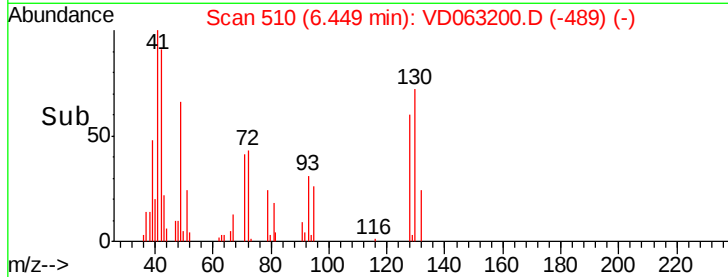
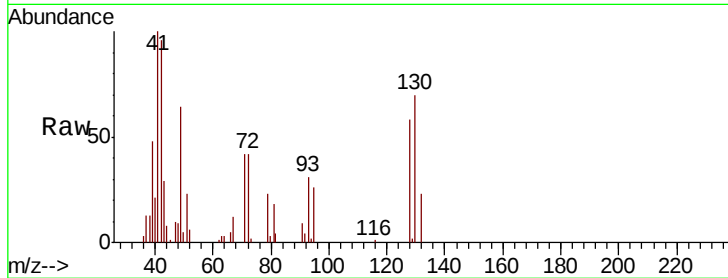
Ion Ratio Lower Upper

41 100

39 48.3 38.4 57.6

67 12.4 6.7 10.1#

52 6.5 4.3 6.5#

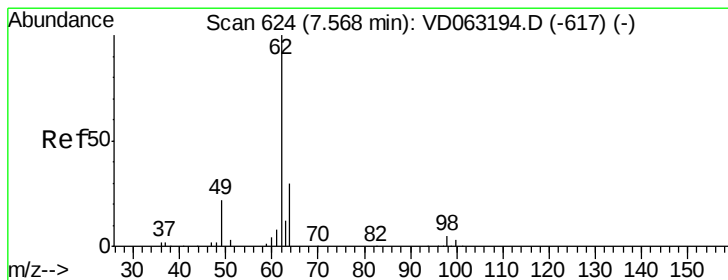
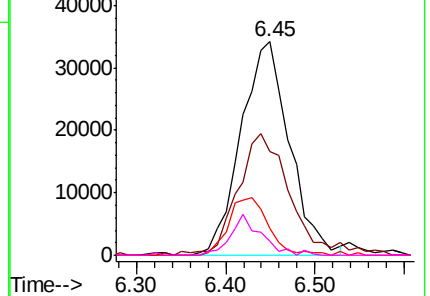


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 18.157 ug/l

RT: 7.57 min Scan# 624

Delta R.T. 0.00 min

Lab File: VD063200.D

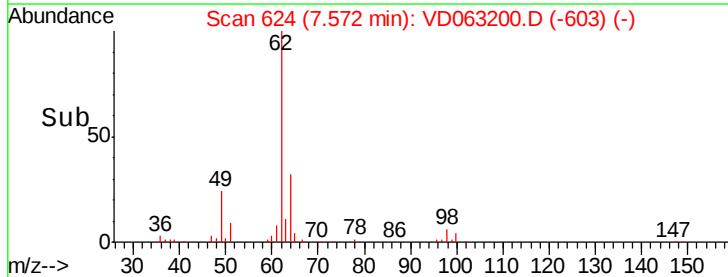
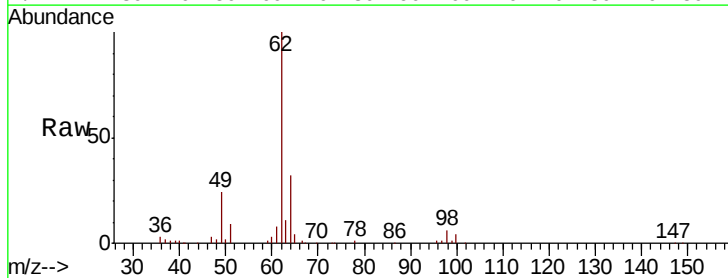
Acq: 29 Jul 2019 15:45

Tgt Ion: 62 Resp: 280430

Ion Ratio Lower Upper

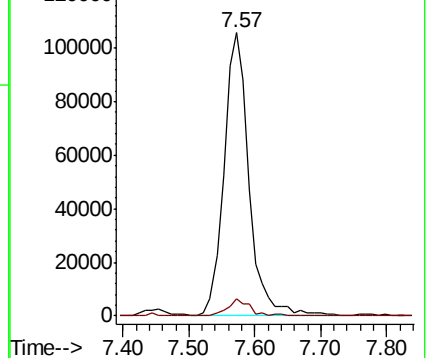
62 100

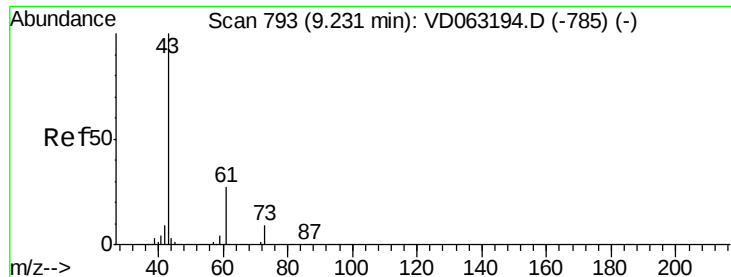
98 6.1 0.0 9.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 18.014 ug/l

RT: 9.24 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

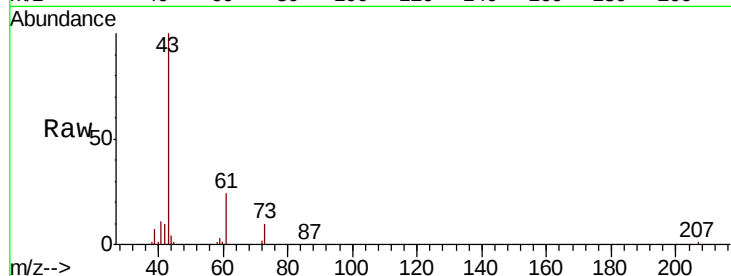
Tot Ion: 43 Resp: 143747

Ion Ratio Lower Upper

43 100

61 23.8 21.4 32.0

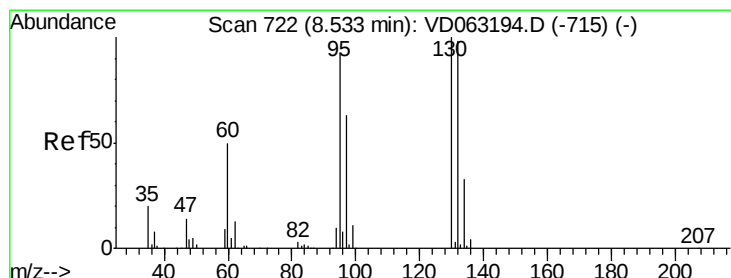
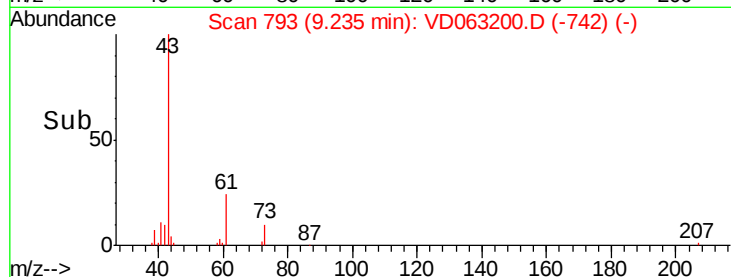
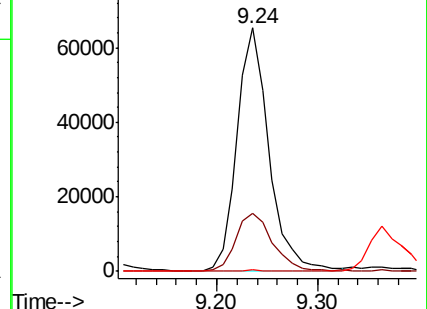
87 0.5 0.2 0.4#



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: 17.602 ug/l

RT: 8.54 min Scan# 722

Delta R.T. 0.00 min

Lab File: VD063200.D

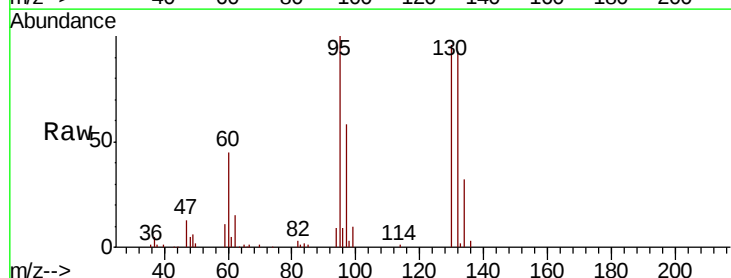
Acq: 29 Jul 2019 15:45

Tgt Ion:130 Resp: 207864

Ion Ratio Lower Upper

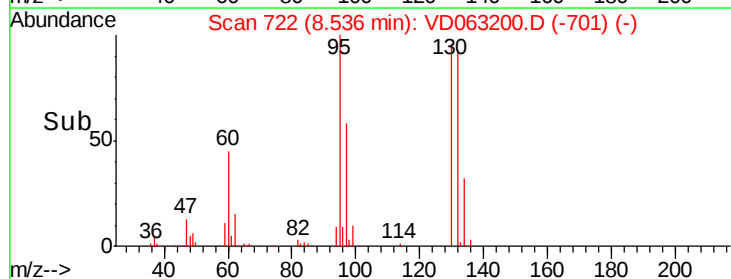
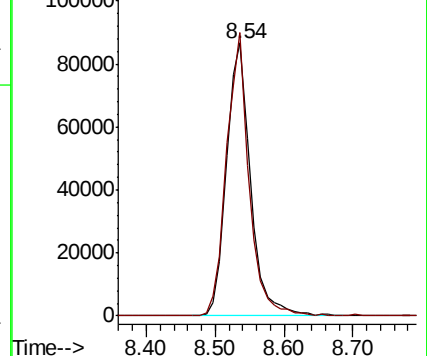
130 100

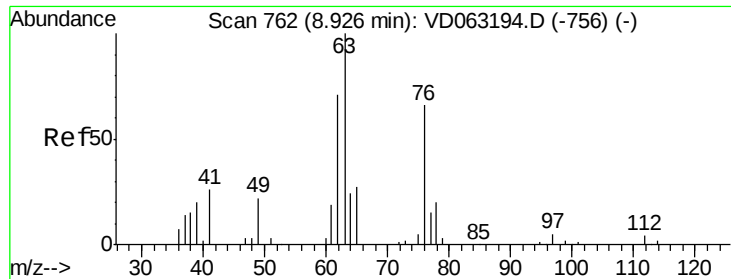
95 103.8 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 17.207 ug/l

RT: 8.93 min Scan# 762

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

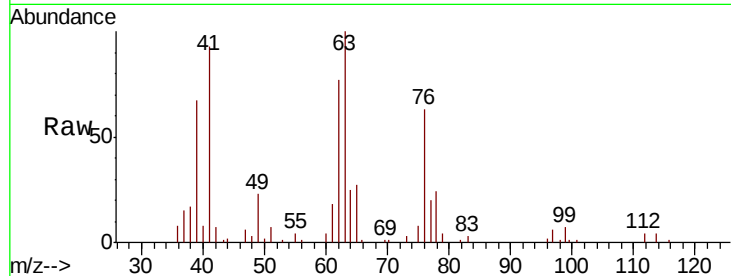
VD0729SBS01

Tot Ion: 63 Resp: 127458

Ion Ratio Lower Upper

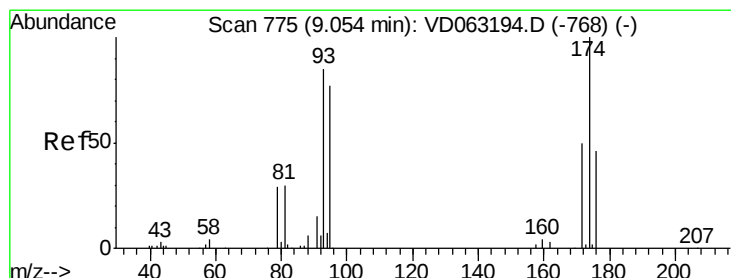
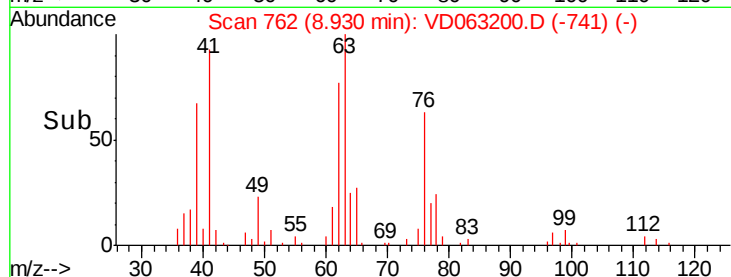
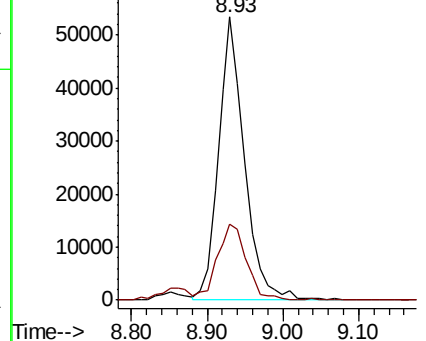
63 100

65 26.7 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 17.905 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

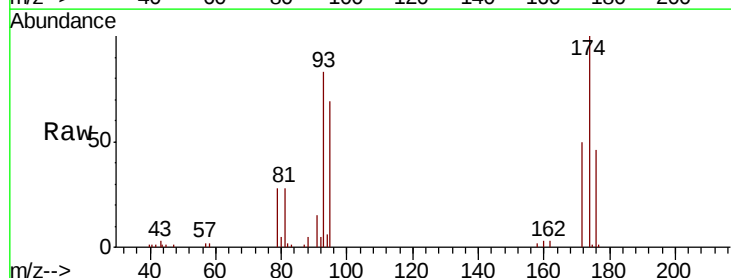
Tgt Ion: 93 Resp: 110277

Ion Ratio Lower Upper

93 100

95 83.1 72.8 109.2

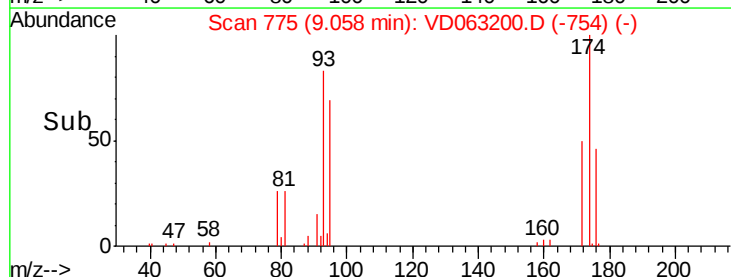
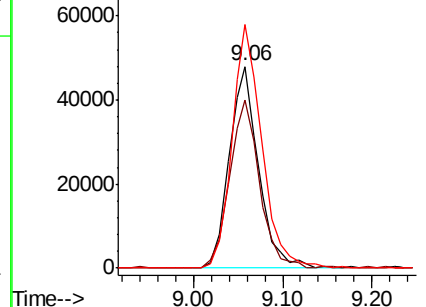
174 120.8 94.4 141.6

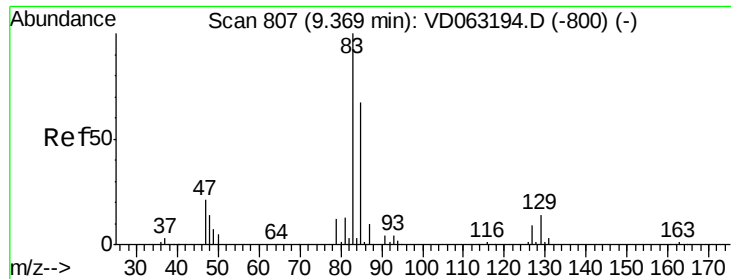


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 17.708 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBSD01

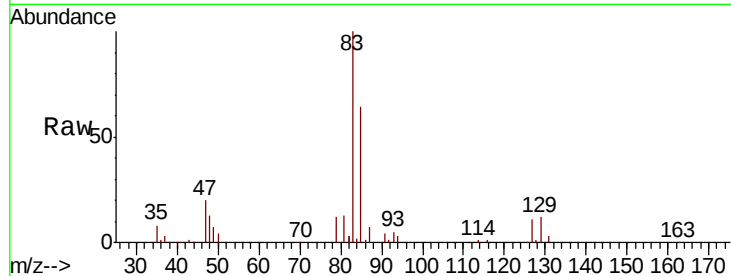
Tot Ion: 83 Resp: 278010

Ion Ratio Lower Upper

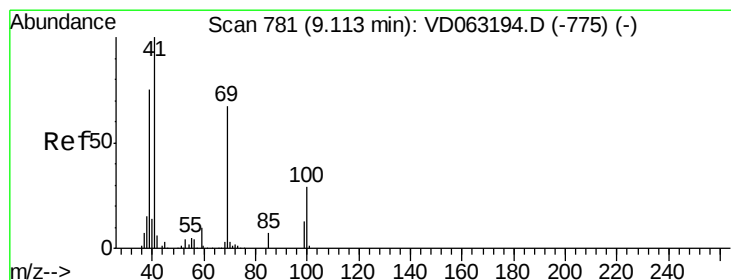
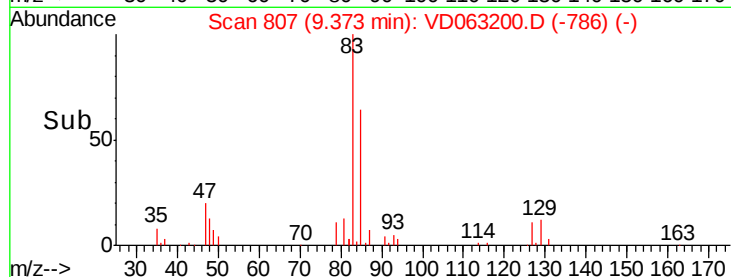
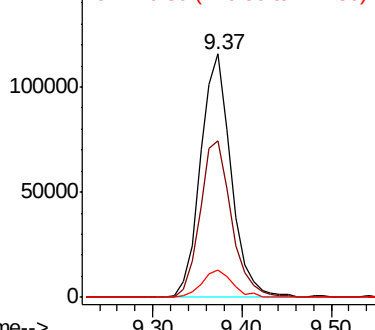
83 100

85 64.4 53.6 80.4

127 11.0 7.2 10.8#



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



#48

Methyl methacrylate

Concen: 19.075 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

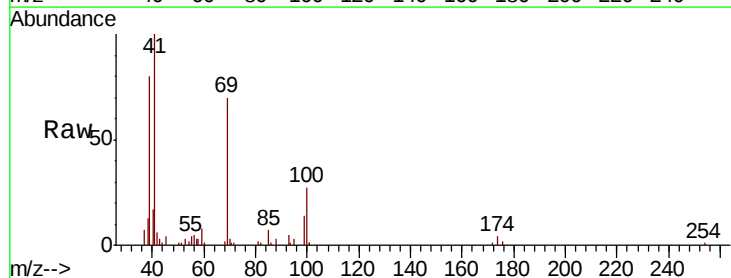
Tgt Ion: 41 Resp: 98722

Ion Ratio Lower Upper

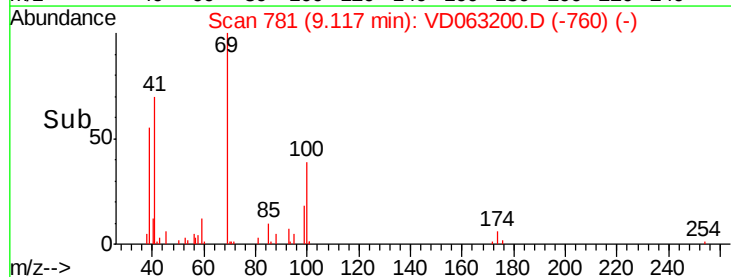
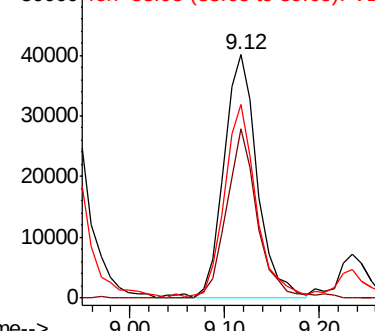
41 100

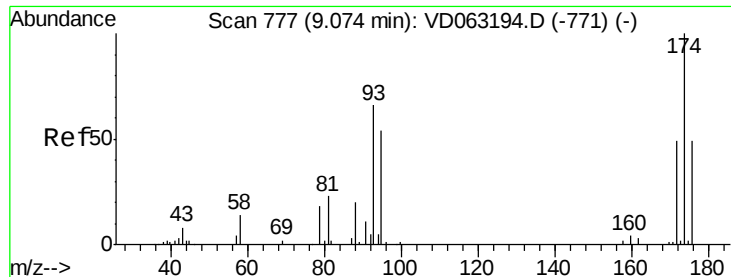
69 69.7 53.4 80.0

39 79.7 60.3 90.5



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

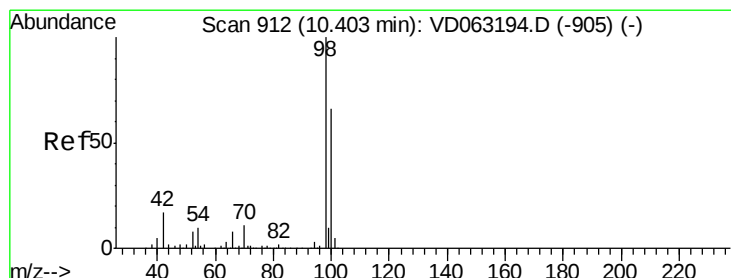
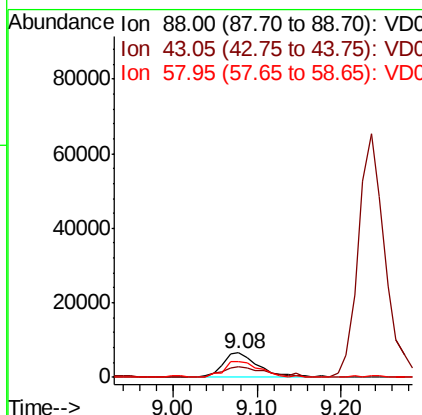
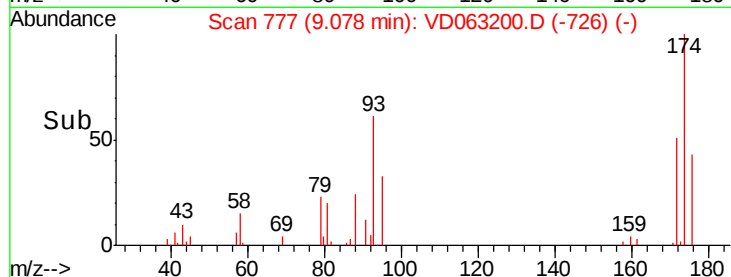
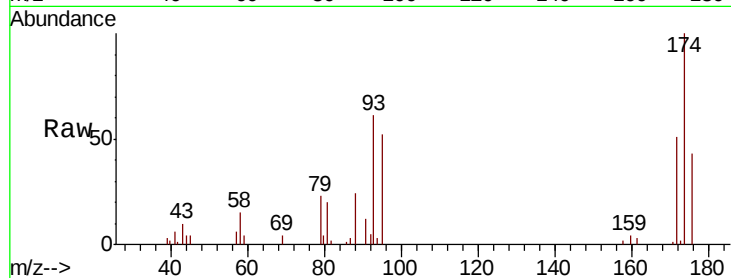




#49
1,4-Dioxane
Concen: 446.978 ug/l
RT: 9.08 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

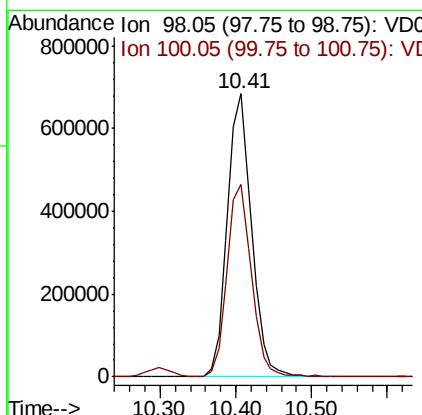
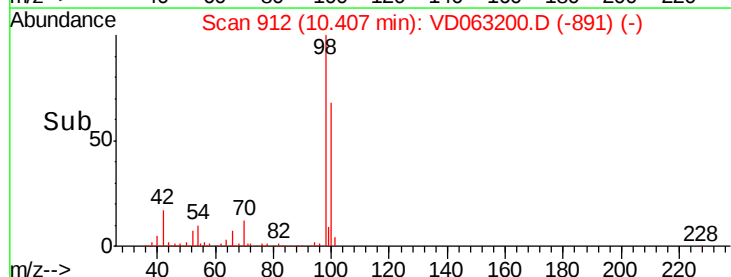
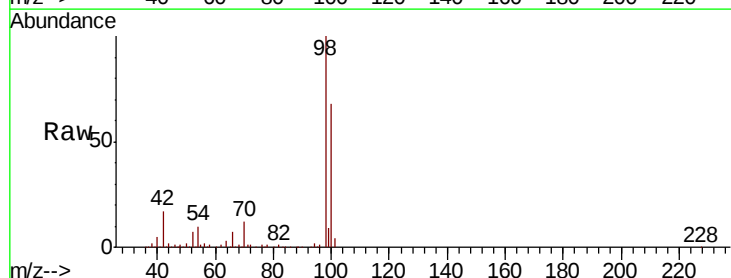
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBSD01

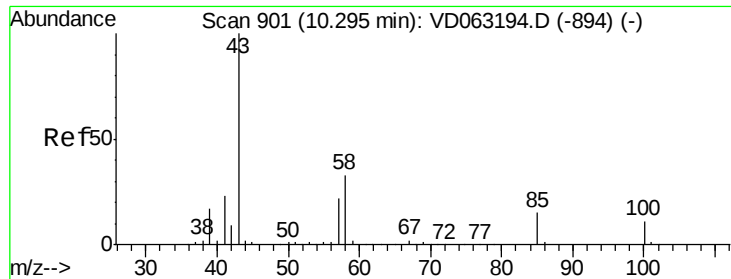
Tot Ion: 88 Resp: 19696
Ion Ratio Lower Upper
88 100
43 43.0 30.7 46.1
58 62.2 56.5 84.7



#50
Toluene-d8
Concen: 52.127 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Tgt Ion: 98 Resp: 1517585
Ion Ratio Lower Upper
98 100
100 67.9 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 91.962 ug/l

RT: 10.30 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

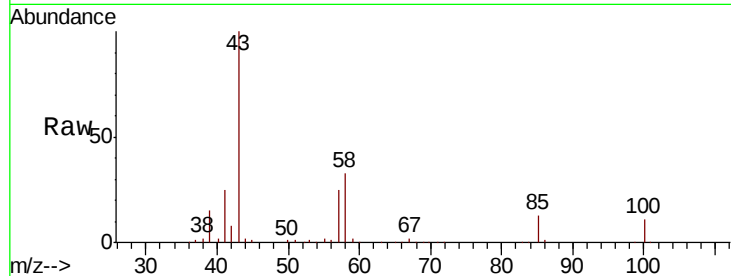
VD0729SBS01

Tot Ion: 43 Resp: 499072

Ion Ratio Lower Upper

43 100

58 32.6 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

250000

200000

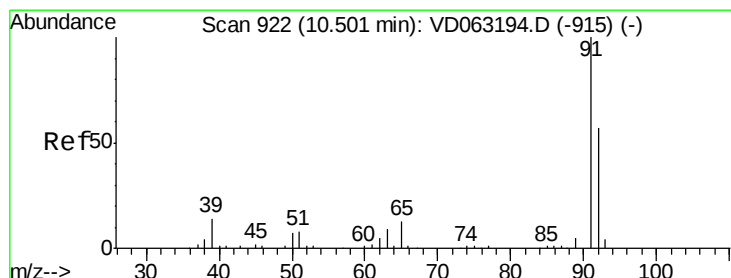
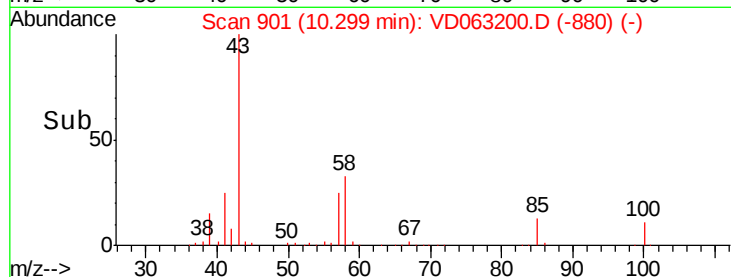
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.300 ug/l

RT: 10.51 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD063200.D

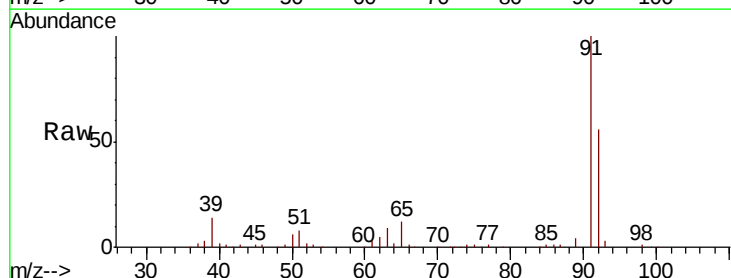
Acq: 29 Jul 2019 15:45

Tgt Ion: 92 Resp: 354700

Ion Ratio Lower Upper

92 100

91 179.1 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

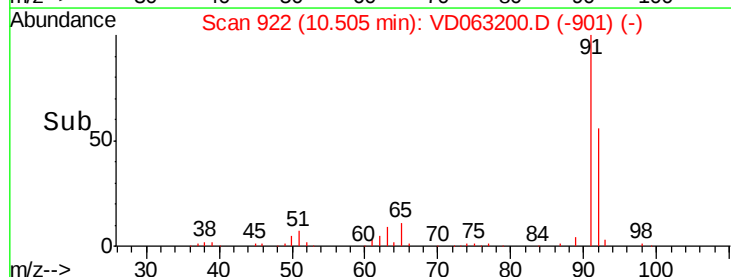
300000

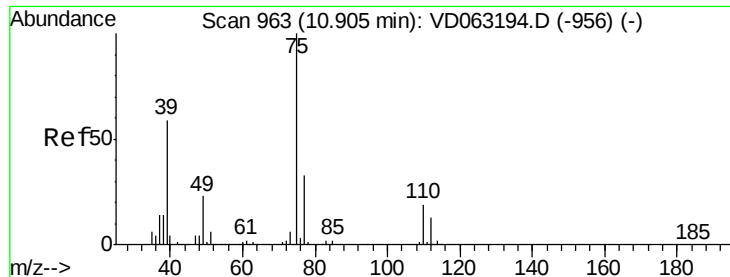
200000

100000

0

Time-->

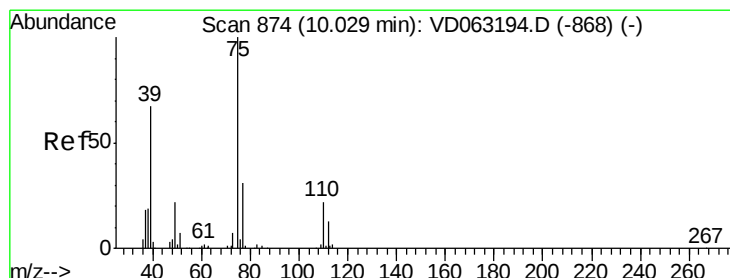
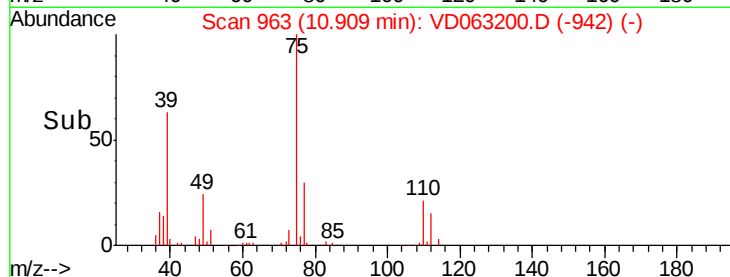
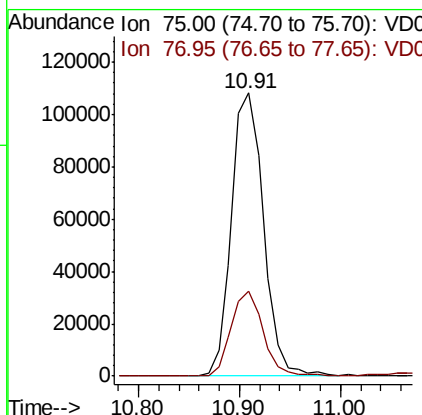
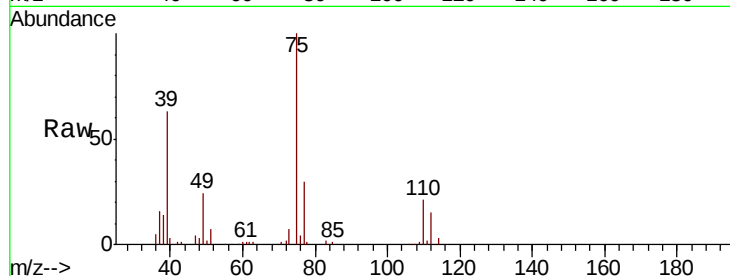




#53
t-1,3-Dichloropropene
Concen: 17.698 ug/l
RT: 10.91 min Scan# 963
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

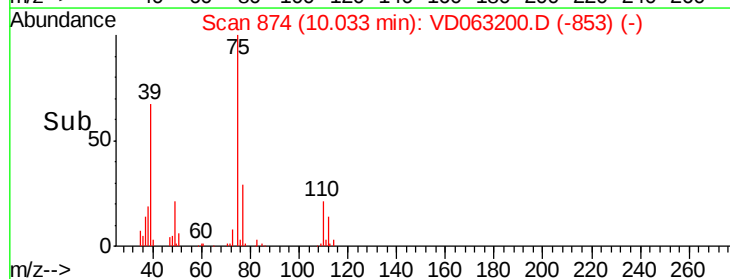
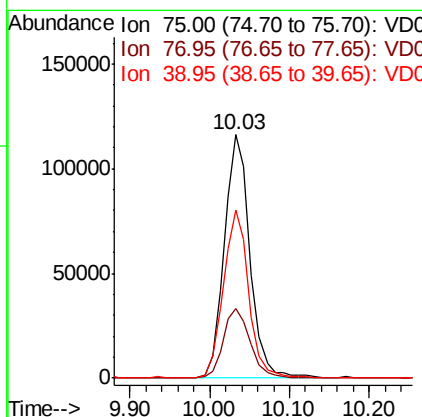
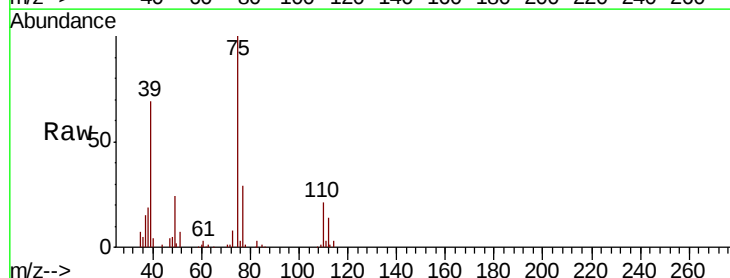
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

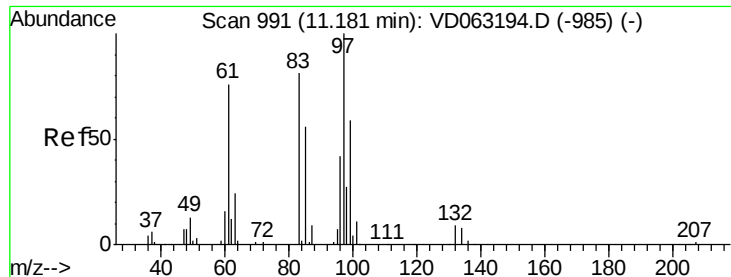
Tot Ion: 75 Resp: 239548
Ion Ratio Lower Upper
75 100
77 29.9 26.6 40.0



#54
cis-1,3-Dichloropropene
Concen: 18.438 ug/l
RT: 10.03 min Scan# 874
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Tgt Ion: 75 Resp: 262286
Ion Ratio Lower Upper
75 100
77 28.5 24.9 37.3
39 68.8 53.9 80.9



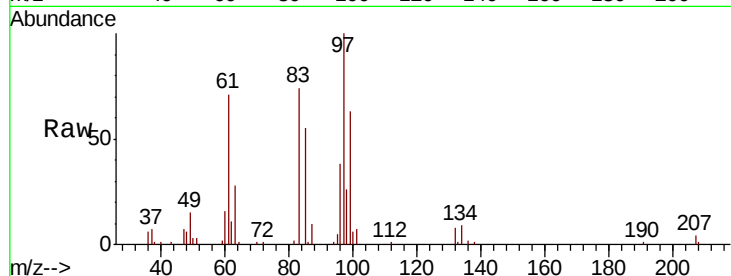


#55
 1,1,2-Trichloroethane
 Concen: 18.246 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBSD01

Tot Ion: 97 Resp: 119440

Ion	Ratio	Lower	Upper
97	100		
83	74.2	64.8	97.2
85	54.9	44.9	67.3
99	63.2	47.2	70.8



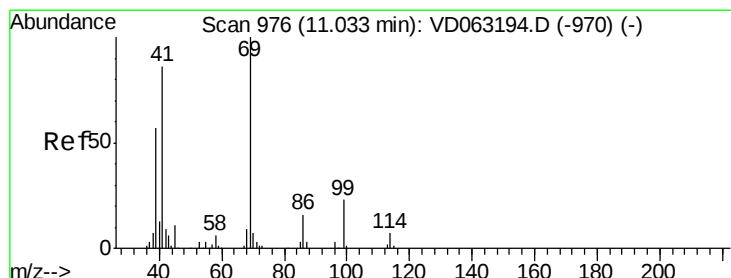
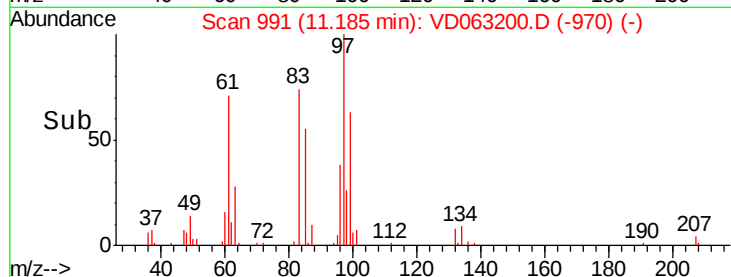
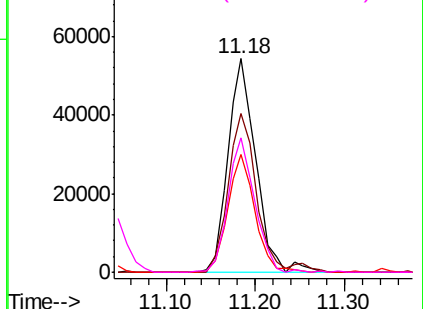
Abundance

Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

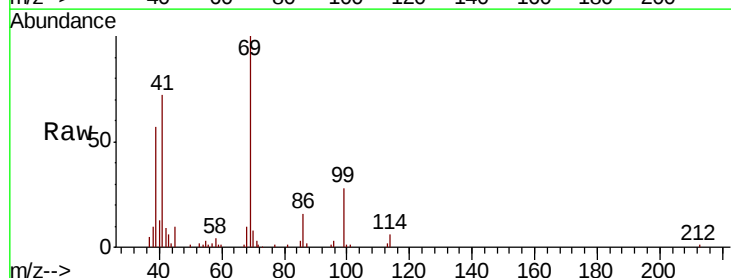
Ion 98.85 (98.55 to 99.55): VDC



#56
 Ethyl methacrylate
 Concen: 19.155 ug/l
 RT: 11.04 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

Tgt Ion: 69 Resp: 137309

Ion	Ratio	Lower	Upper
69	100		
41	72.4	68.8	103.2
39	56.7	45.8	68.8

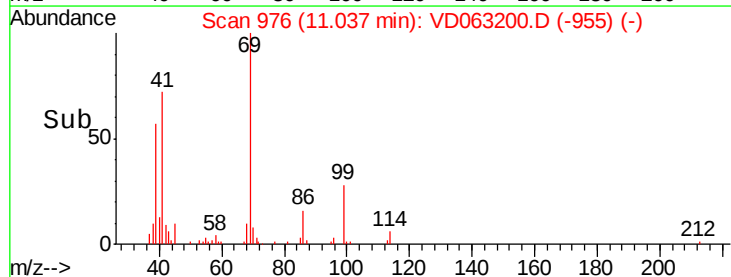
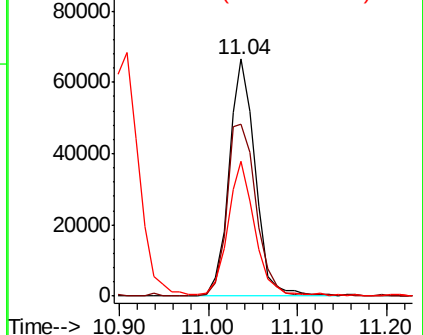


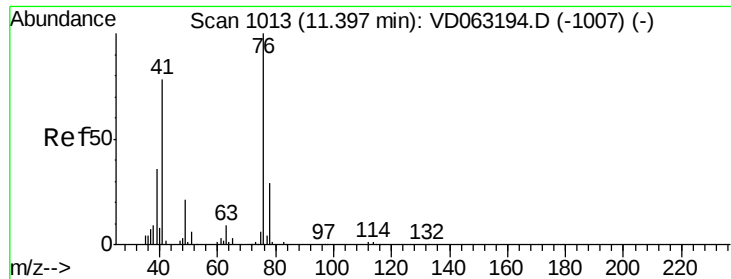
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

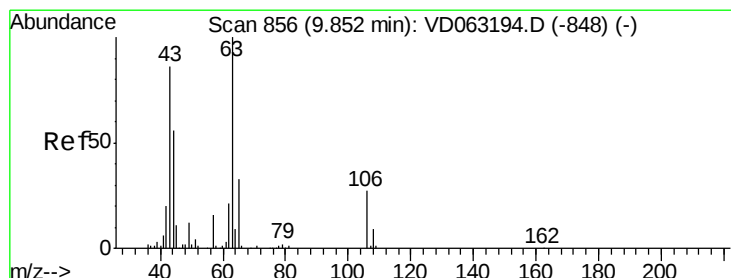
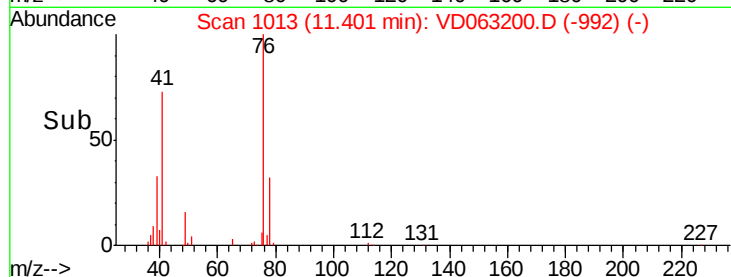
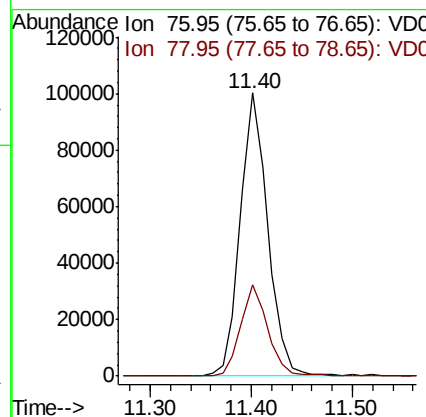
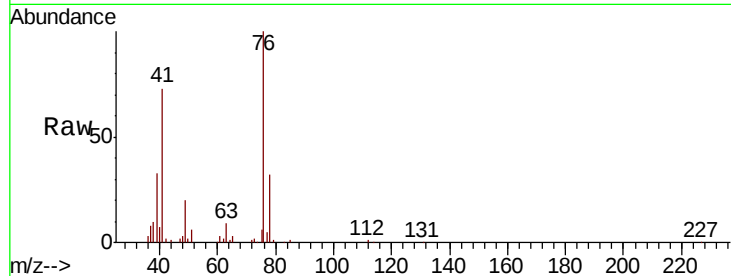




#57
 1,3-Dichloropropane
 Concen: 18.434 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

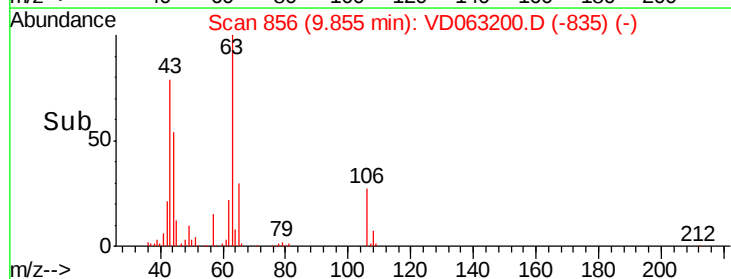
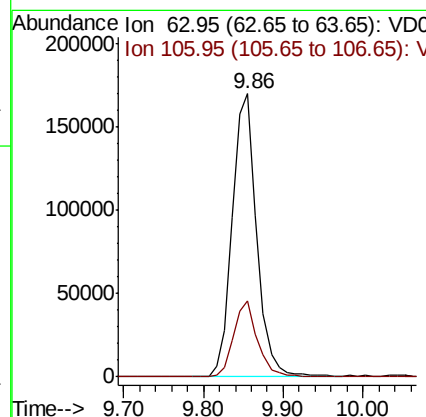
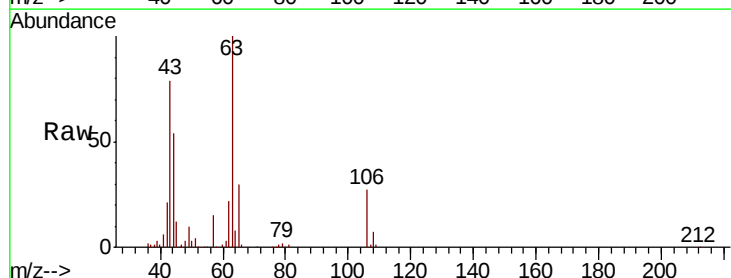
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

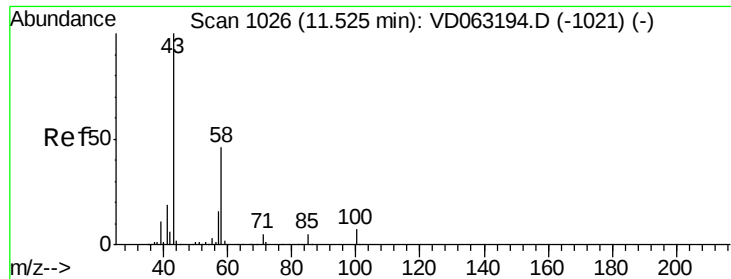
Tot Ion: 76 Resp: 190130
 Ion Ratio Lower Upper
 76 100
 78 32.3 23.4 35.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.298 ug/l
 RT: 9.86 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

Tgt Ion: 63 Resp: 366643
 Ion Ratio Lower Upper
 63 100
 106 26.7 22.0 33.0

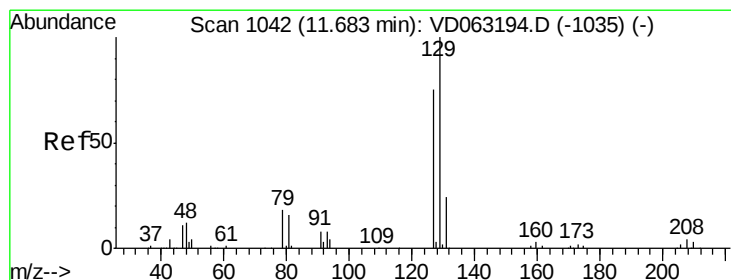
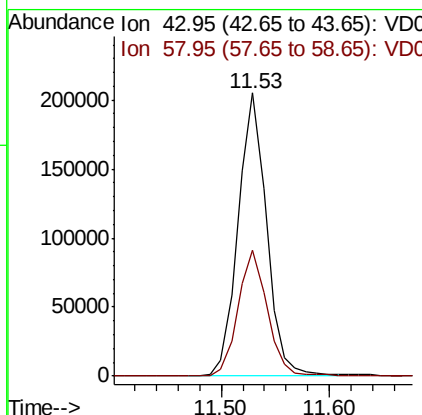
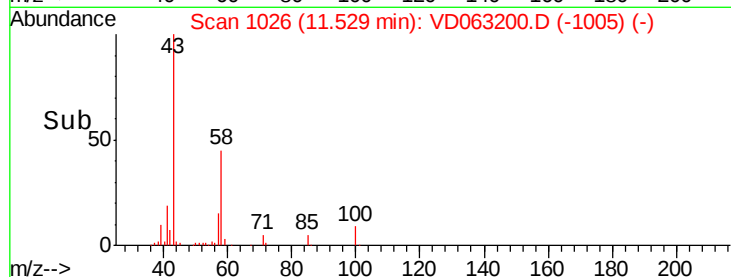
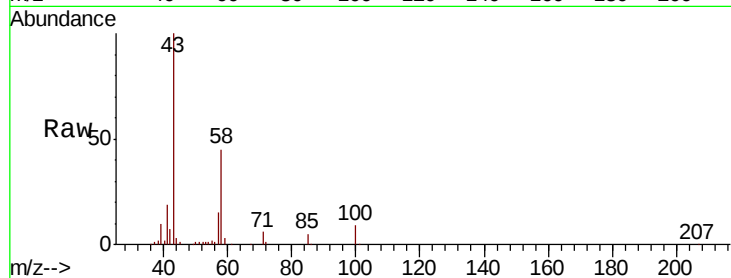




#59
2-Hexanone
Concen: 95.929 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

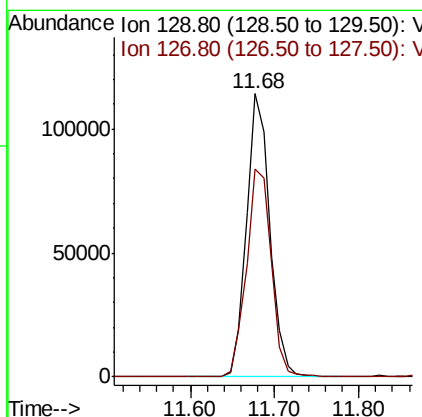
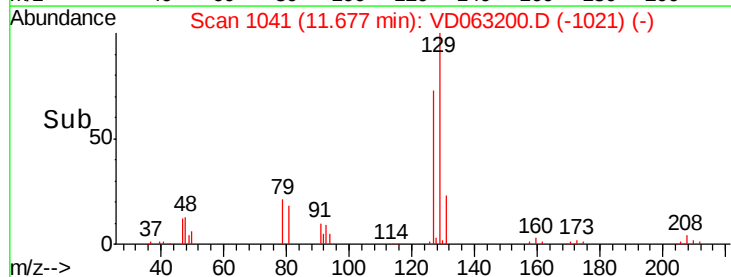
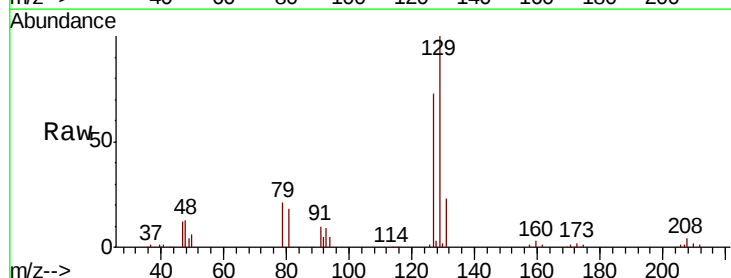
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

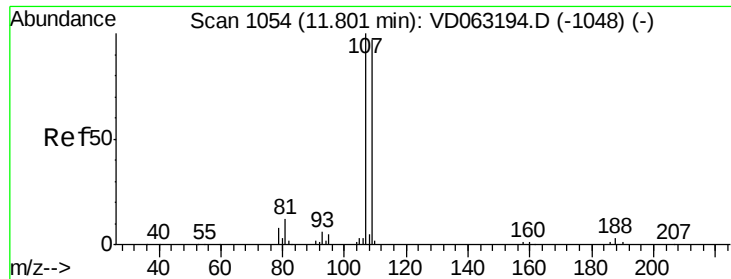
Tot Ion: 43 Resp: 375166
Ion Ratio Lower Upper
43 100
58 44.6 22.9 68.5



#60
Dibromochloromethane
Concen: 17.926 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Tgt Ion: 129 Resp: 221527
Ion Ratio Lower Upper
129 100
127 73.4 37.6 112.8

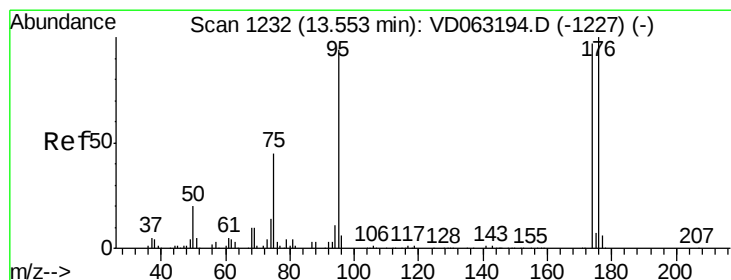
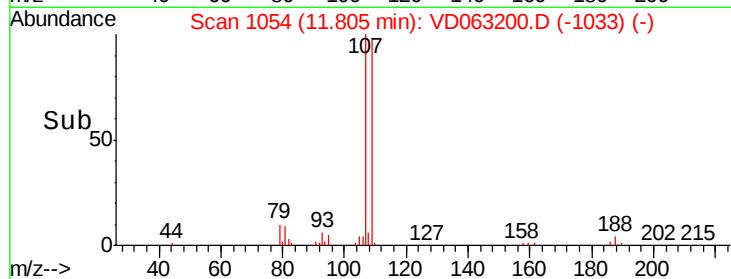
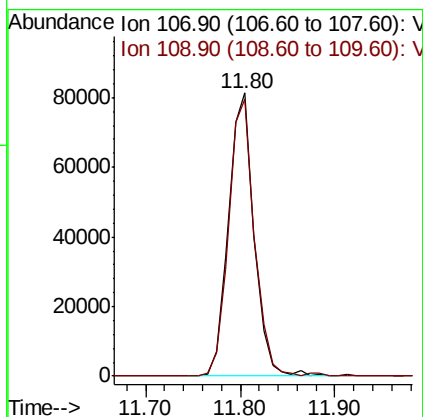
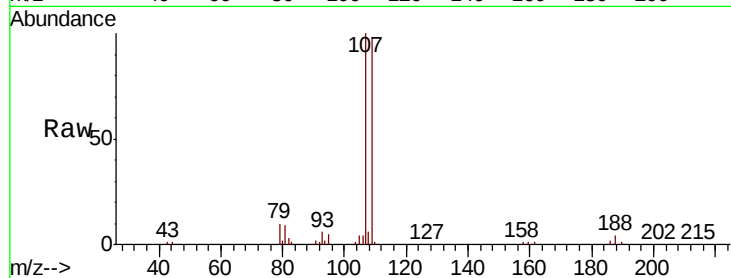




#61
 1,2-Dibromoethane
 Concen: 18.724 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

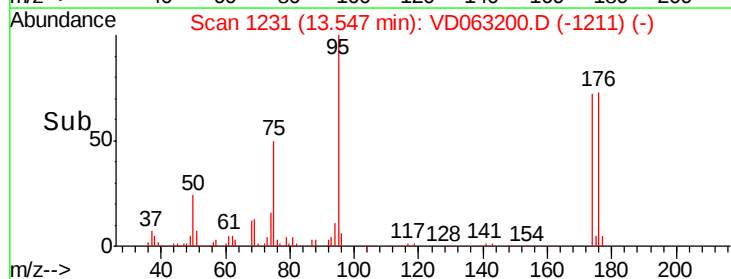
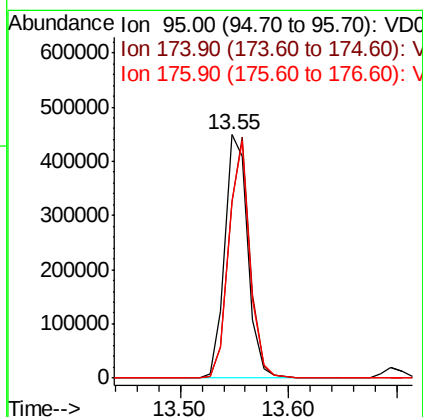
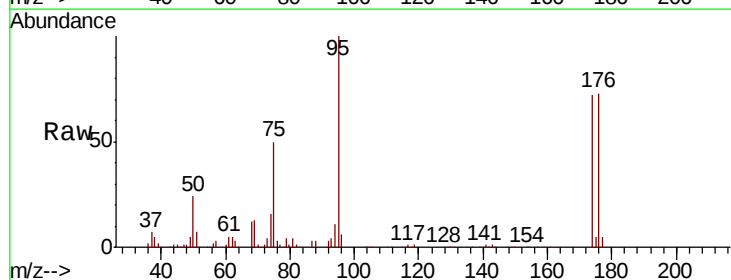
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBSD01

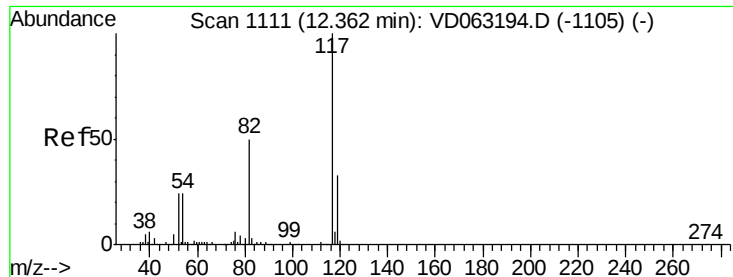
Tot Ion:107 Resp: 151243
 Ion Ratio Lower Upper
 107 100
 109 97.7 77.5 116.3



#62
 4-Bromofluorobenzene
 Concen: 49.968 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

Tgt Ion: 95 Resp: 662904
 Ion Ratio Lower Upper
 95 100
 174 72.4 0.0 205.4
 176 72.6 0.0 211.8

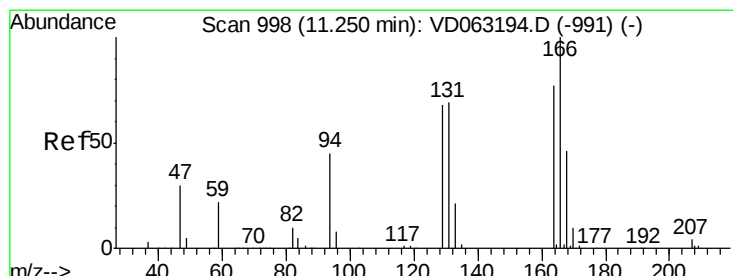
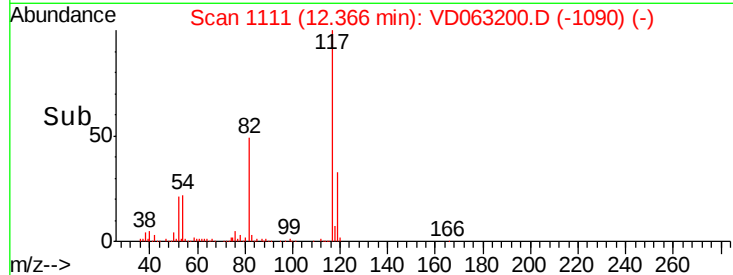
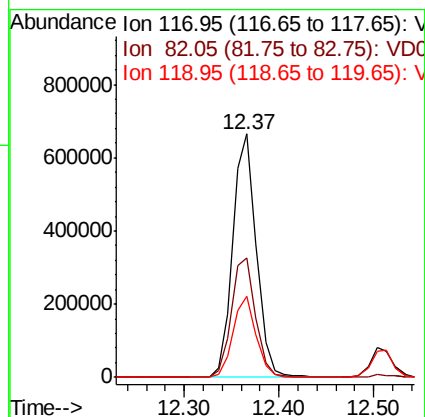
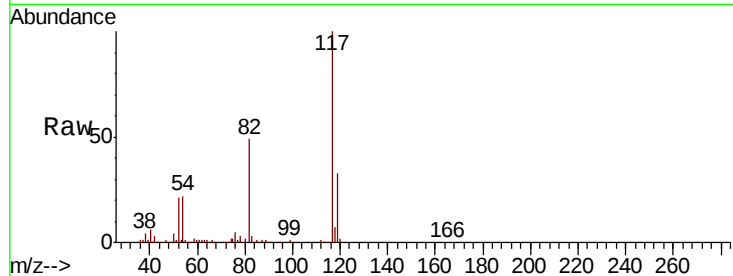




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

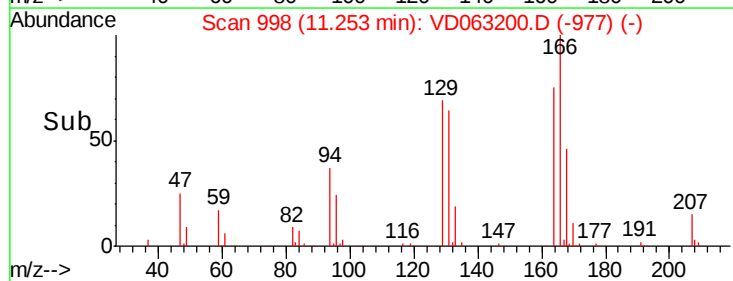
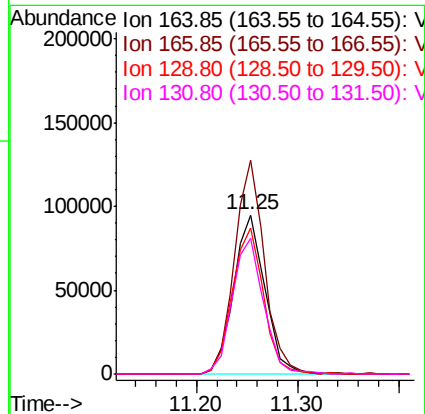
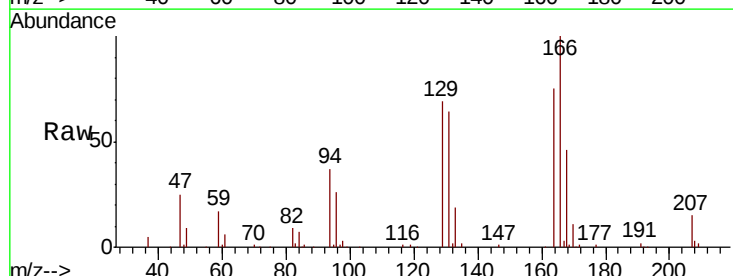
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBSD01

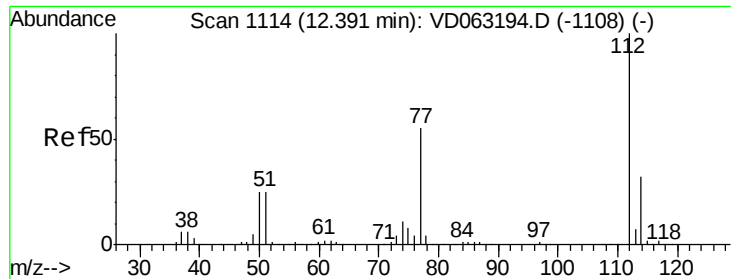
Tot Ion:117 Resp: 1141535
Ion Ratio Lower Upper
117 100
82 49.2 40.1 60.1
119 33.2 26.5 39.7



#64
Tetrachloroethene
Concen: 22.312 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Tgt Ion:164 Resp: 202911
Ion Ratio Lower Upper
164 100
166 134.1 104.3 156.5
129 92.0 70.9 106.3
131 85.6 71.6 107.4

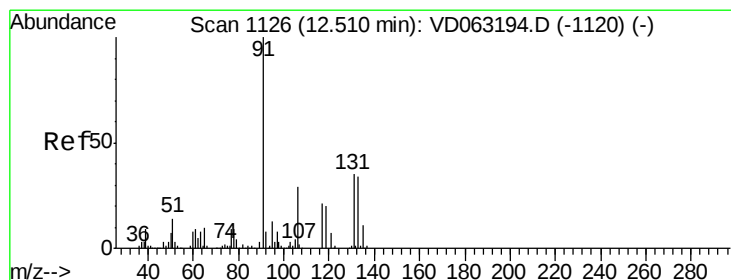
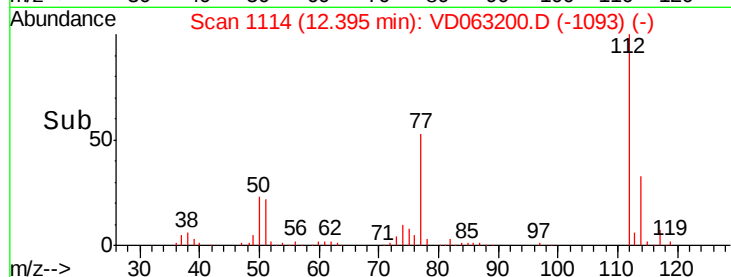
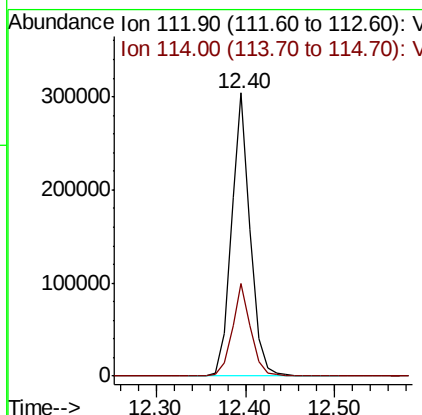
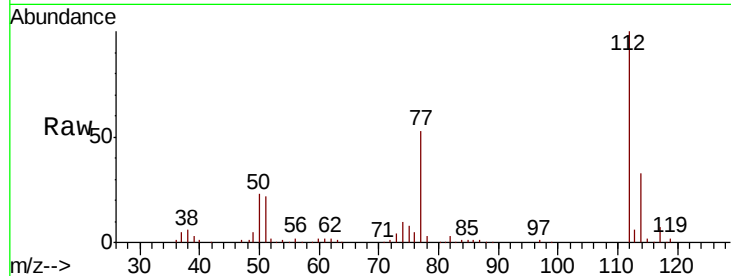




#65
Chlorobenzene
Concen: 20.378 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

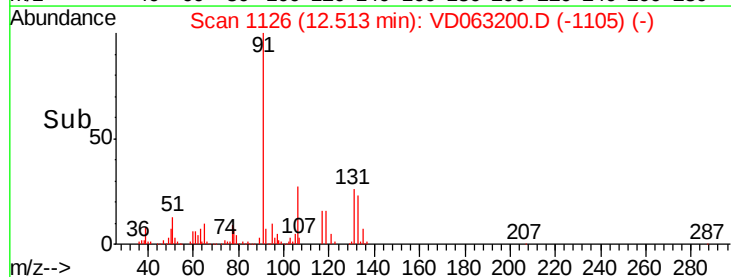
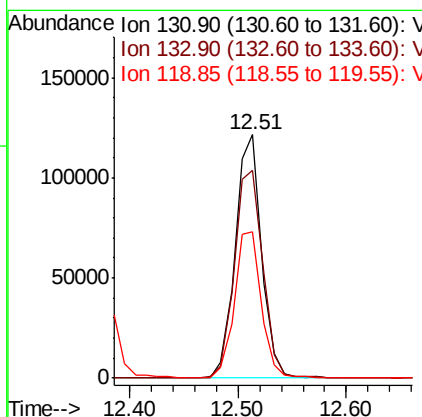
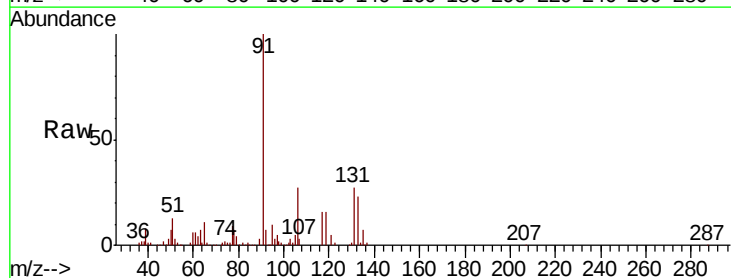
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBSD01

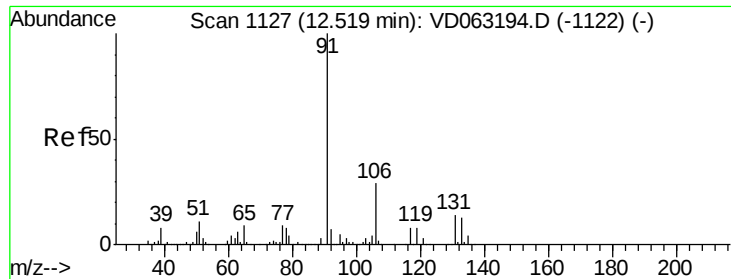
Tot Ion:112 Resp: 447443
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.162 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Tgt Ion:131 Resp: 204674
Ion Ratio Lower Upper
131 100
133 85.6 48.4 145.2
119 60.1 29.1 87.3

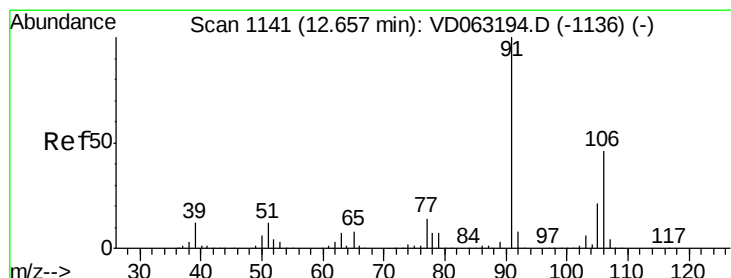
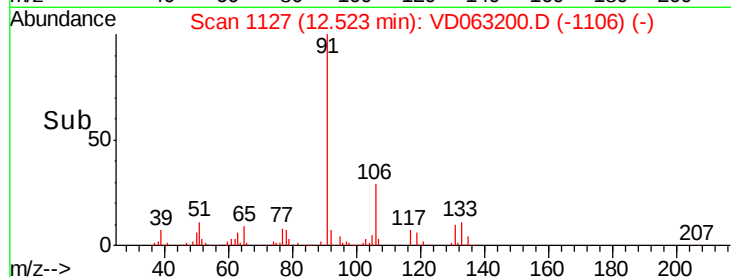
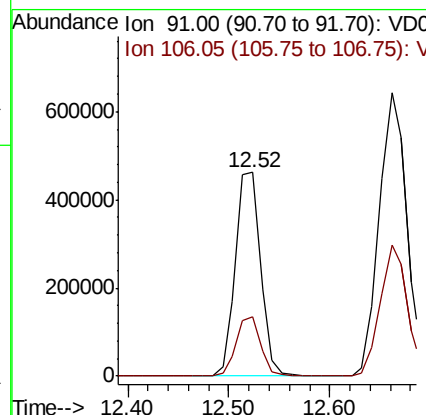
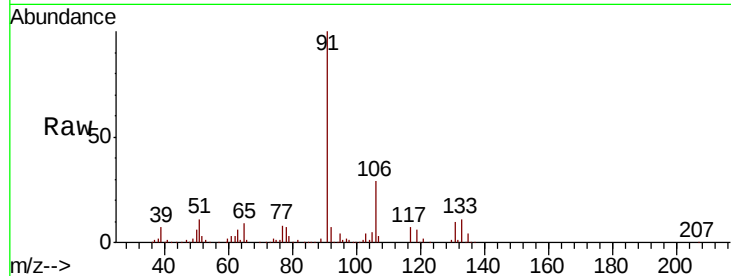




#67
Ethyl Benzene
Concen: 21.526 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

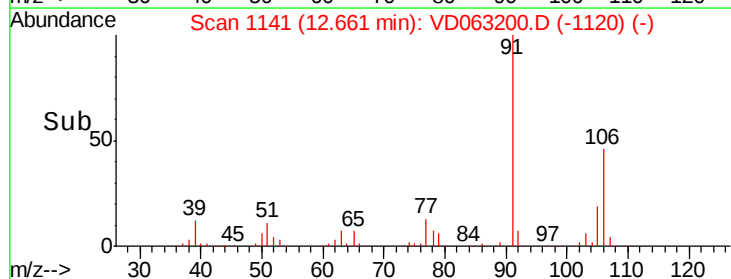
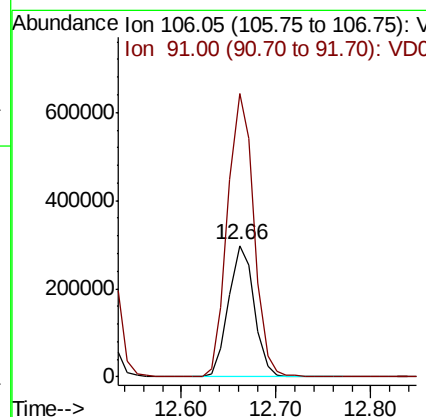
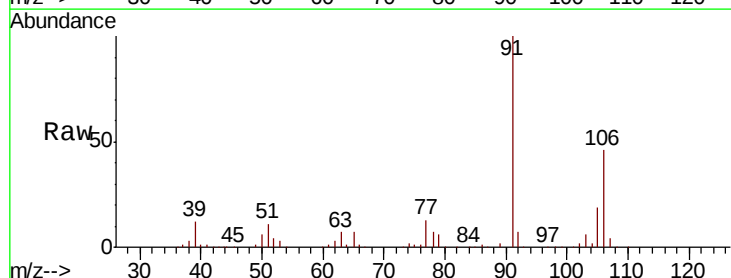
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

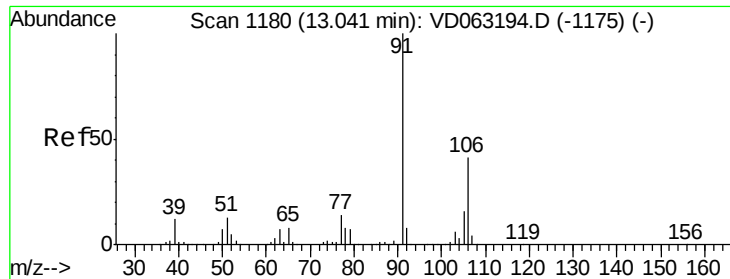
Tot Ion: 91 Resp: 802925
Ion Ratio Lower Upper
91 100
106 29.1 22.9 34.3



#68
m/p-Xylenes
Concen: 40.845 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Tgt Ion: 106 Resp: 558712
Ion Ratio Lower Upper
106 100
91 216.0 172.6 259.0

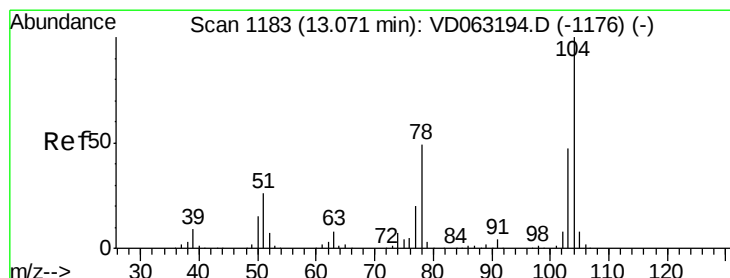
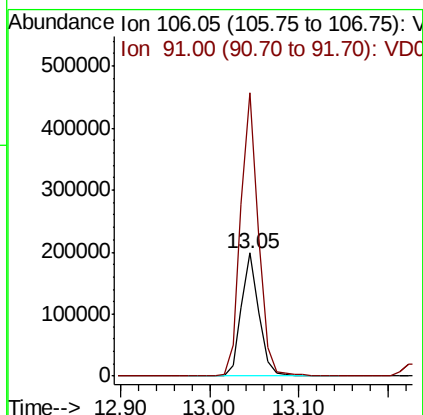
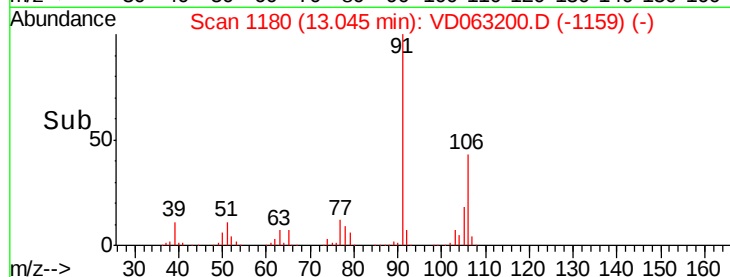
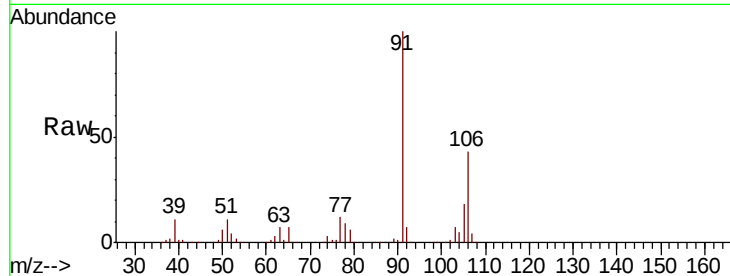




#69
o-Xylene
Concen: 21.661 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

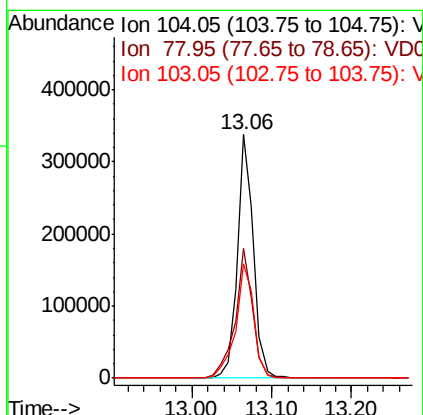
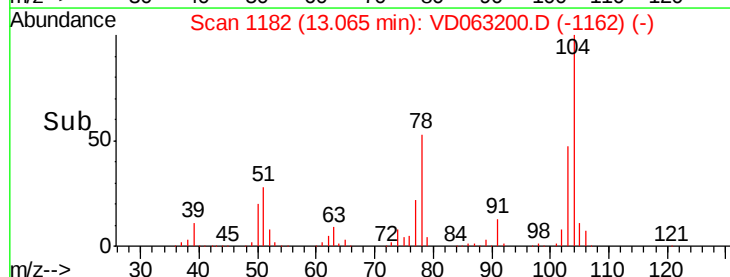
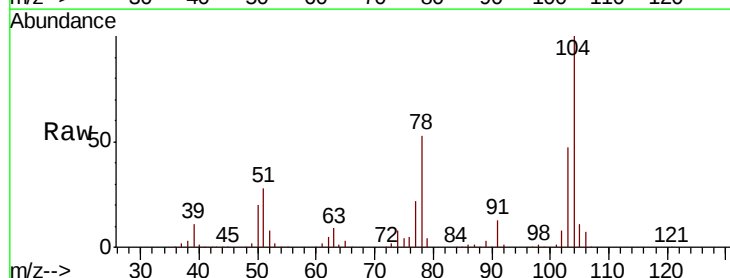
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBSD01

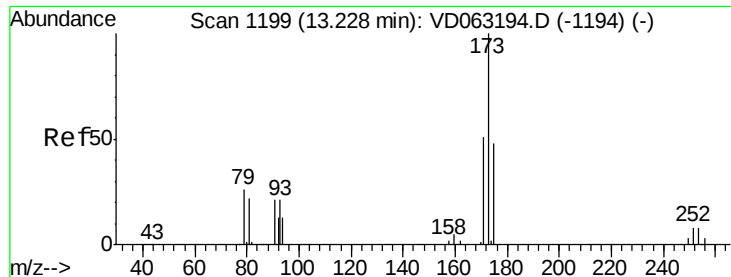
Tot Ion:106 Resp: 272088
Ion Ratio Lower Upper
106 100
91 230.6 121.3 363.9



#70
Styrene
Concen: 21.313 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Tgt Ion:104 Resp: 474794
Ion Ratio Lower Upper
104 100
78 53.2 39.4 59.0
103 46.8 37.4 56.2





#71

Bromoform

Concen: 19.660 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

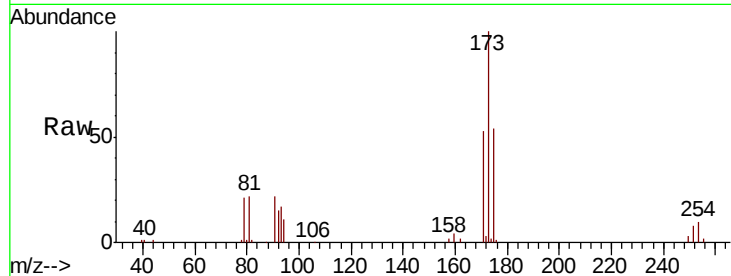
Tot Ion:173 Resp: 138275

Ion Ratio Lower Upper

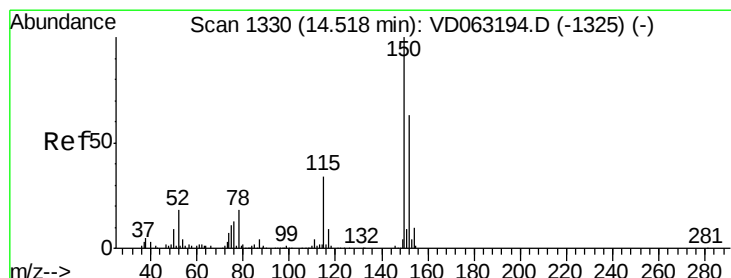
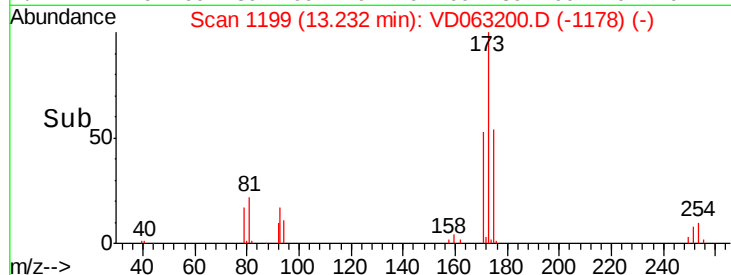
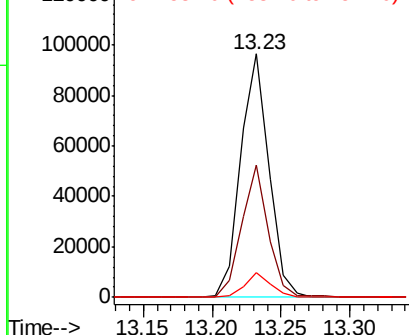
173 100

175 54.2 23.8 71.5

254 10.0 6.6 10.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

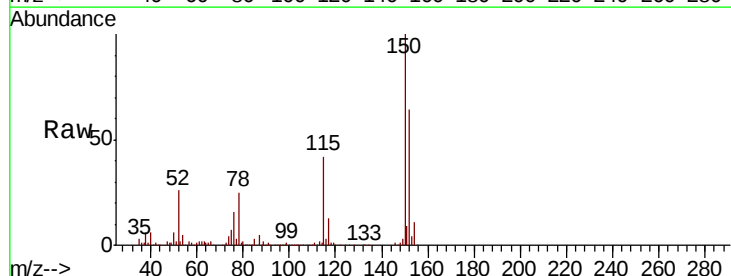
Tgt Ion:152 Resp: 678412

Ion Ratio Lower Upper

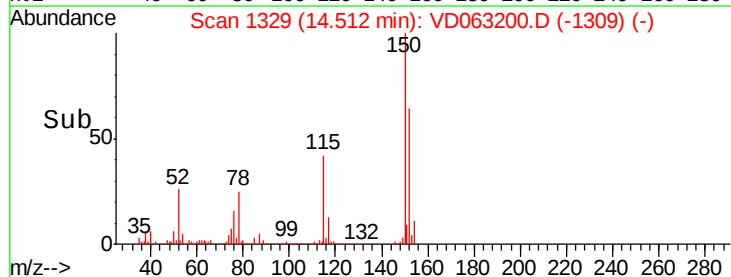
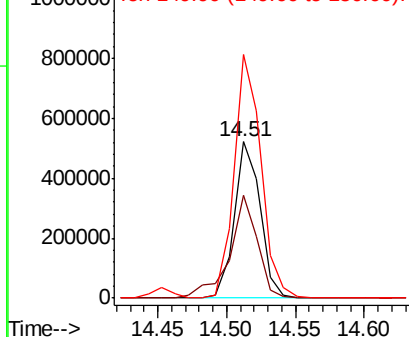
152 100

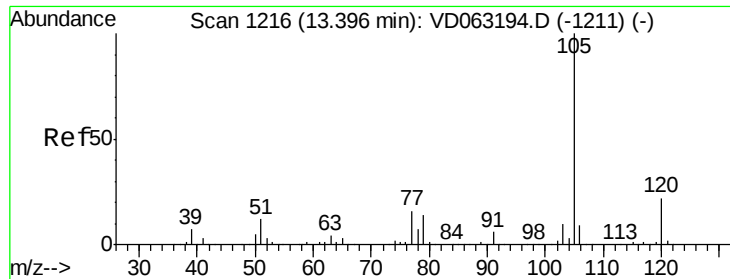
115 65.8 27.5 82.4

150 156.0 0.0 320.6



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: 18.906 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

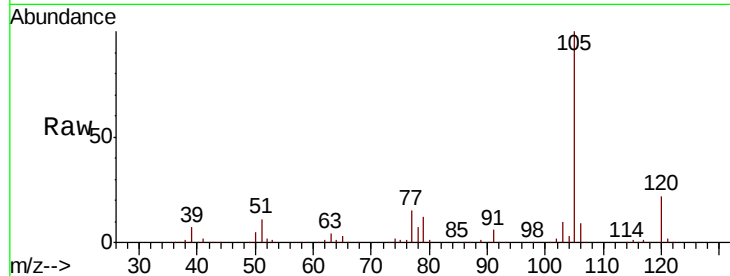
VD0729SBS01

Tot Ion:105 Resp: 805021

Ion Ratio Lower Upper

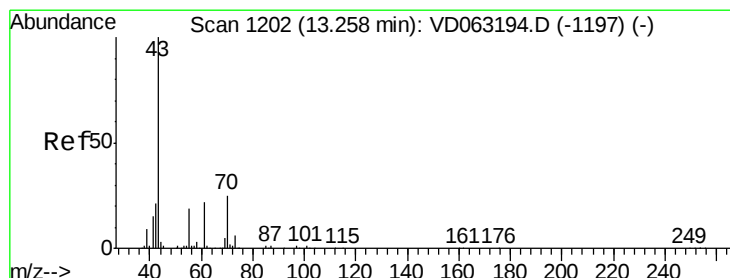
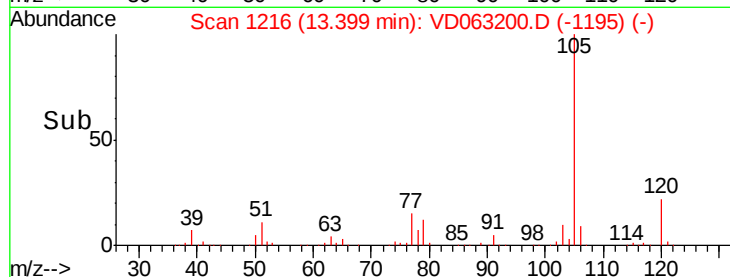
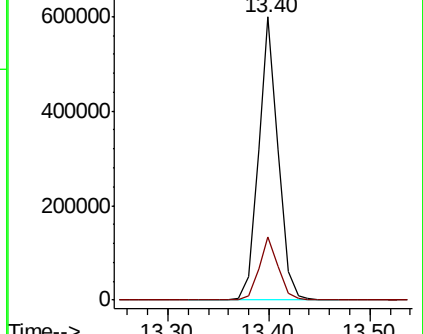
105 100

120 22.4 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 17.885 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Tgt Ion: 43 Resp: 201322

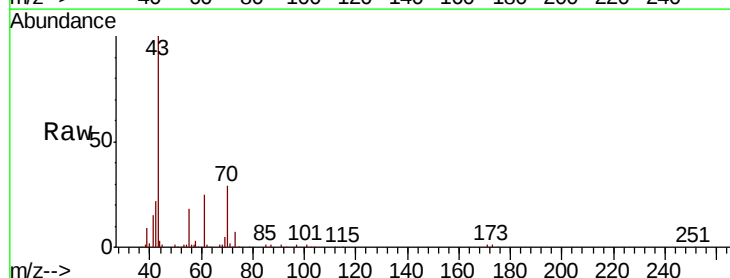
Ion Ratio Lower Upper

43 100

70 28.8 20.2 30.4

55 18.0 14.9 22.3

61 24.6 17.9 26.9

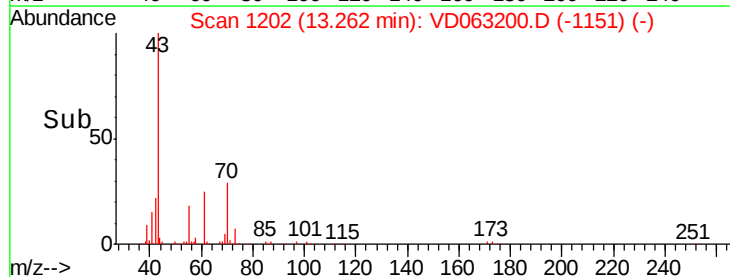
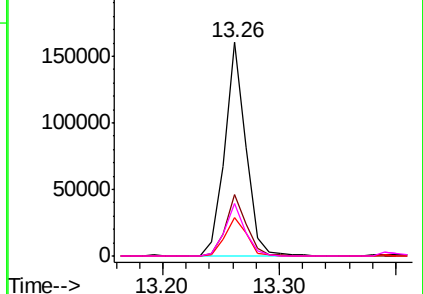


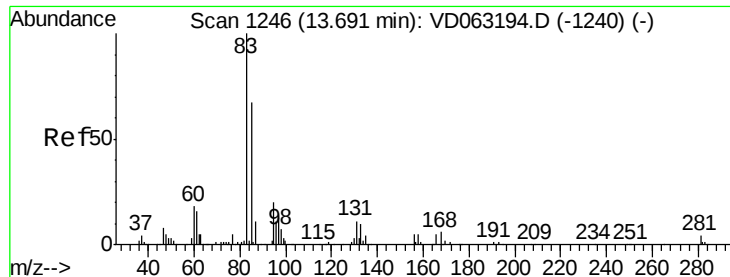
Abundance Ion 42.95 (42.65 to 43.65): V

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: 19.468 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

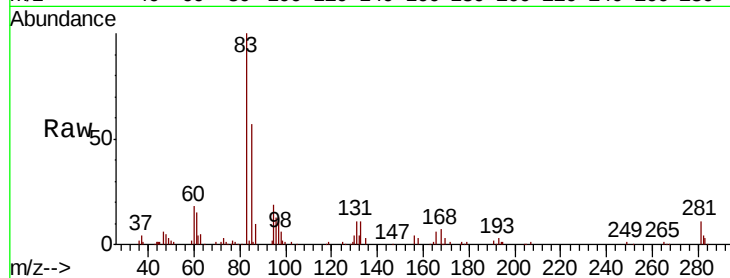
Tot Ion: 83 Resp: 140803

Ion Ratio Lower Upper

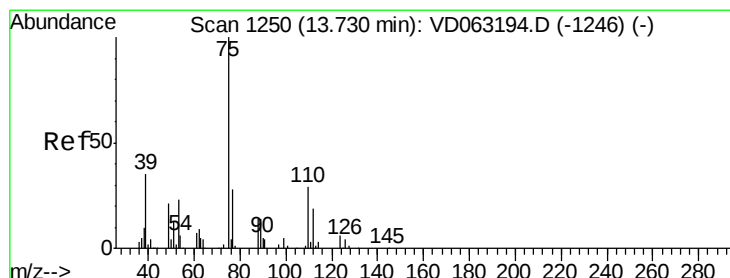
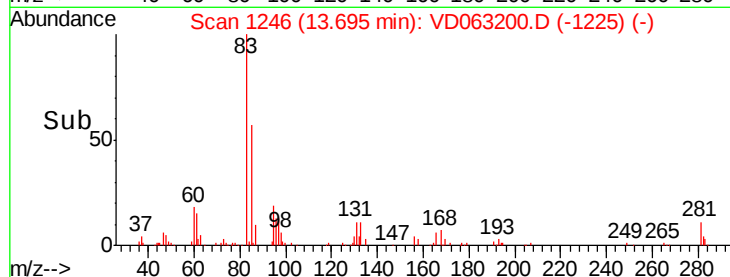
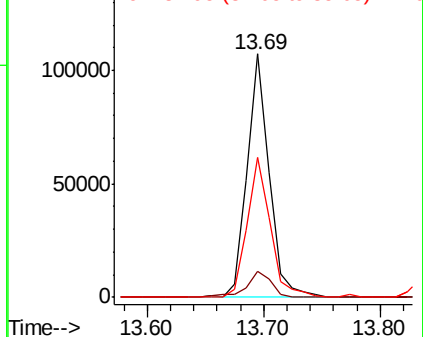
83 100

131 10.8 5.5 16.7

85 57.3 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 18.159 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD063200.D

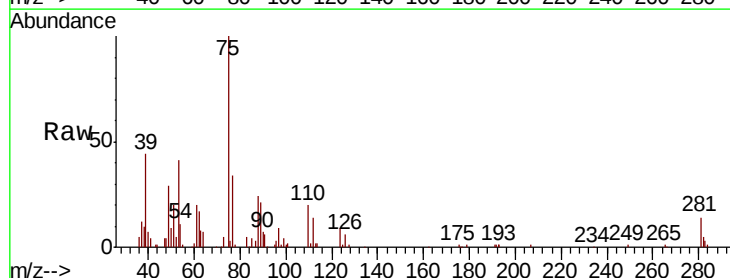
Acq: 29 Jul 2019 15:45

Tgt Ion: 75 Resp: 147970

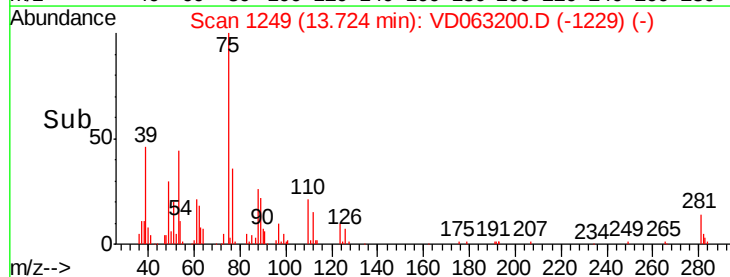
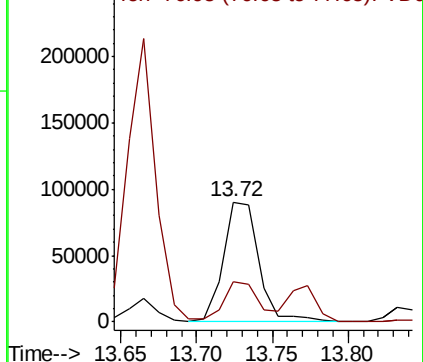
Ion Ratio Lower Upper

75 100

77 33.7 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 18.496 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBSD01

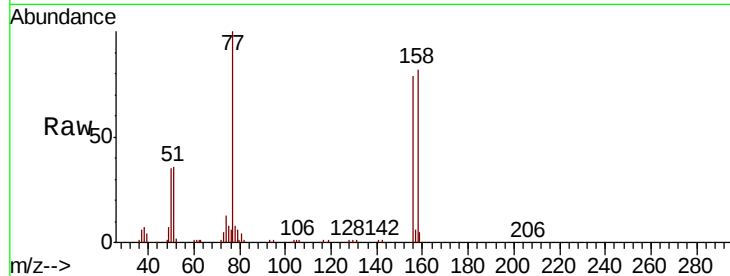
Tot Ion:156 Resp: 224350

Ion Ratio Lower Upper

156 100

77 126.0 67.6 202.8

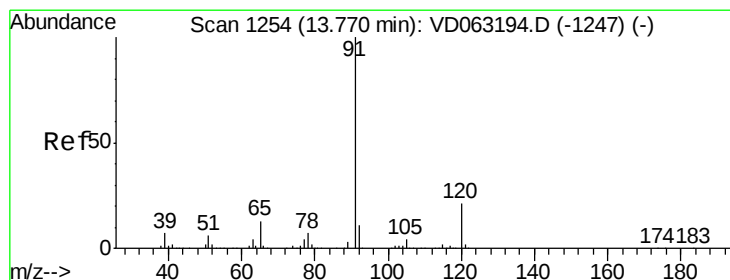
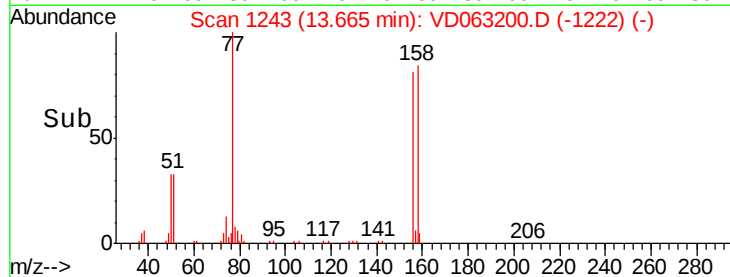
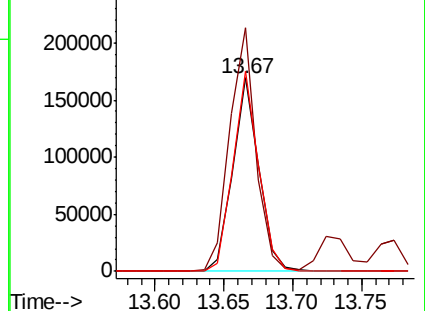
158 103.8 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 18.665 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063200.D

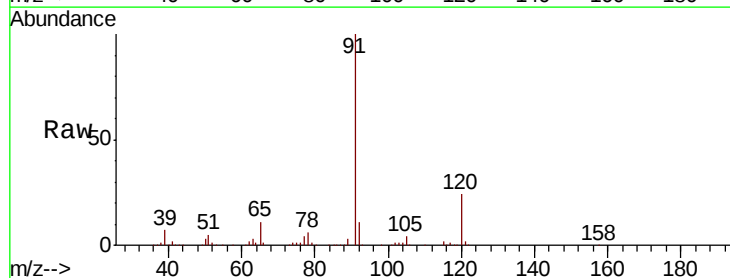
Acq: 29 Jul 2019 15:45

Tgt Ion: 91 Resp: 945754

Ion Ratio Lower Upper

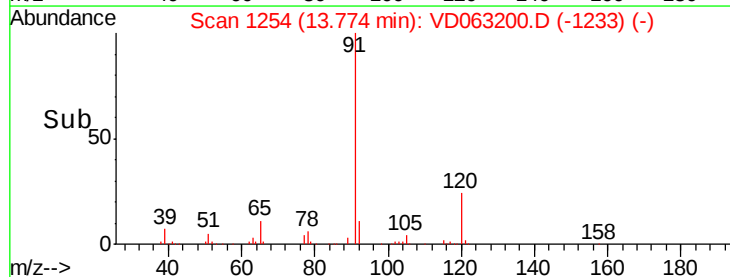
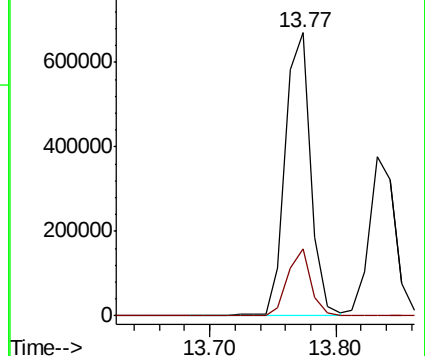
91 100

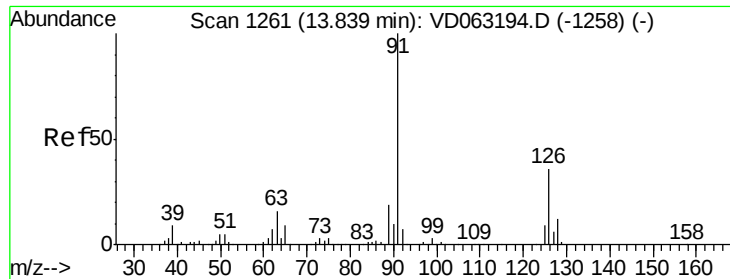
120 23.9 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

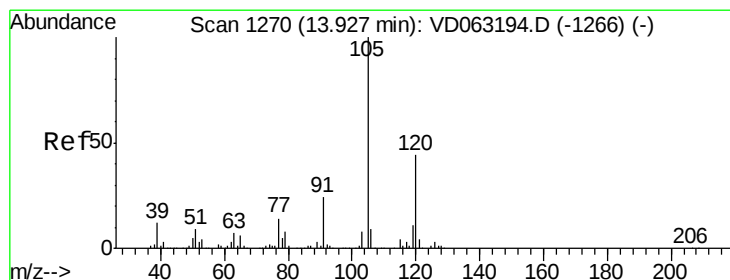
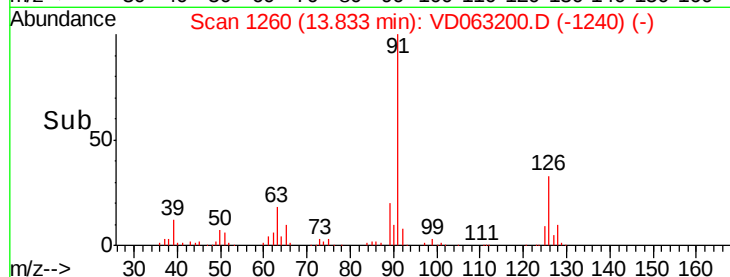
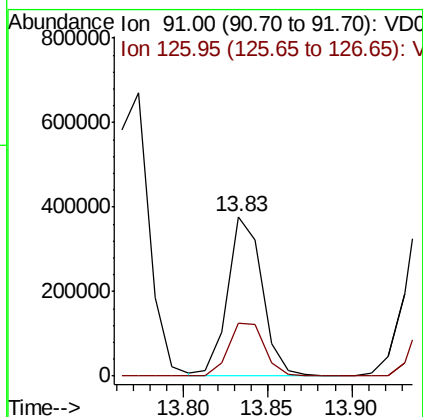
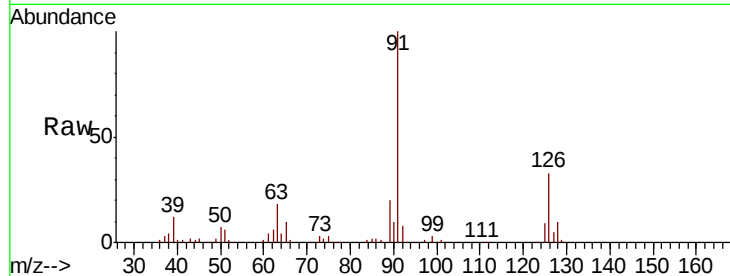




#79
2-Chlorotoluene
Concen: 18.302 ug/l
RT: 13.83 min Scan# 1260
Delta R.T. -0.01 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

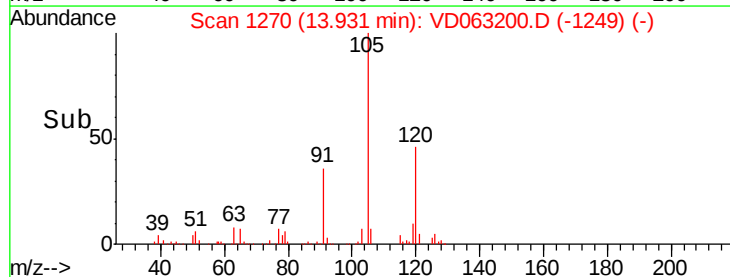
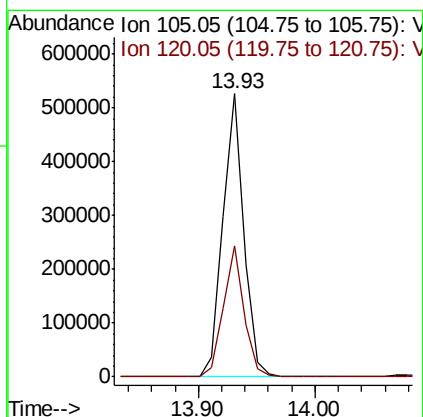
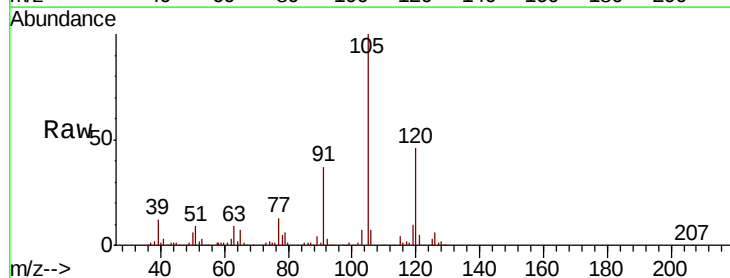
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBSD01

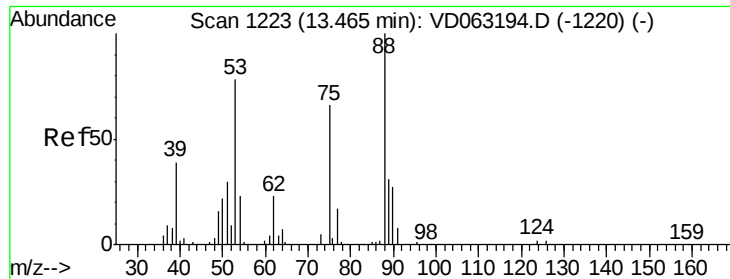
Tot Ion: 91 Resp: 537350
Ion Ratio Lower Upper
91 100
126 33.1 17.8 53.5



#80
1,3,5-Trimethylbenzene
Concen: 17.854 ug/l
RT: 13.93 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Tgt Ion:105 Resp: 655660
Ion Ratio Lower Upper
105 100
120 46.3 22.1 66.1





#81

trans-1,4-Dichloro-2-butene

Concen: 17.124 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBSD01

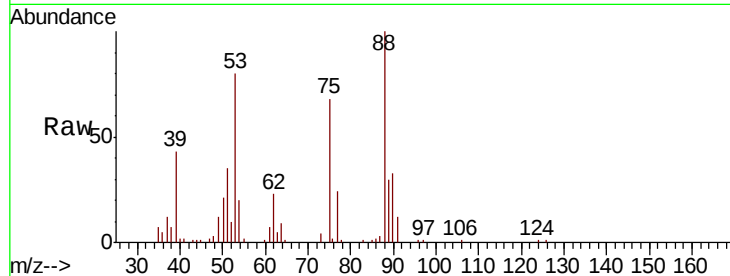
Tot Ion: 75 Resp: 38746

Ion Ratio Lower Upper

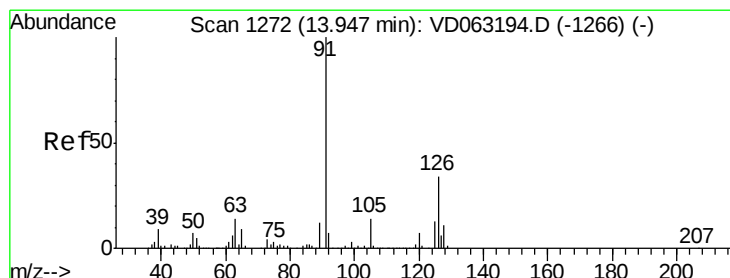
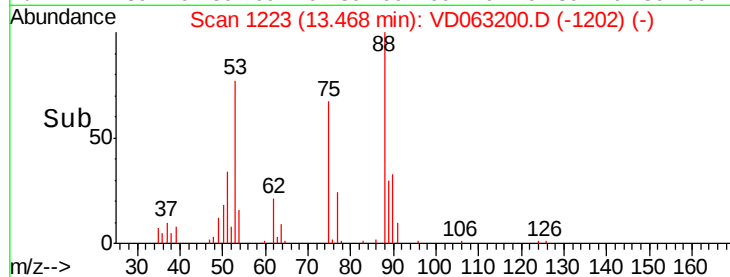
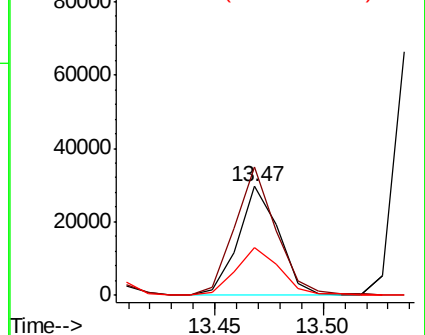
75 100

53 117.6 94.9 142.3

89 44.4 37.4 56.0



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 18.255 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD063200.D

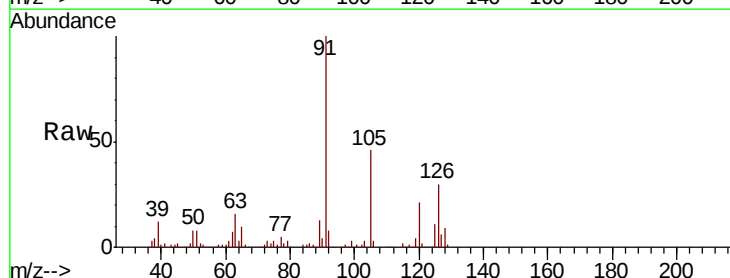
Acq: 29 Jul 2019 15:45

Tgt Ion: 91 Resp: 630747

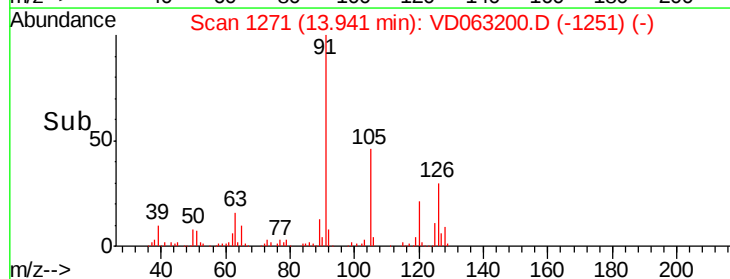
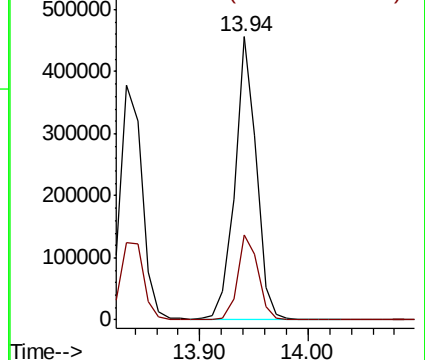
Ion Ratio Lower Upper

91 100

126 30.1 17.1 51.2



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





#83

tert-Butylbenzene

Concen: 17.963 ug/l

RT: 14.19 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

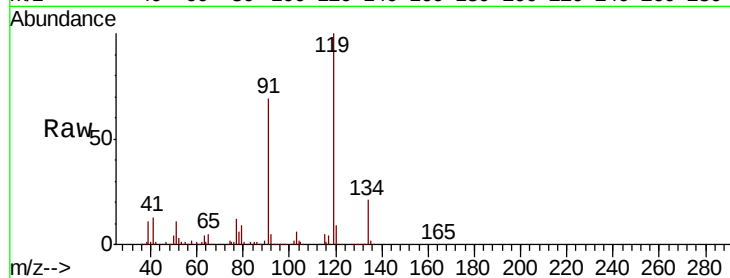
Tot Ion:119 Resp: 753218

Ion Ratio Lower Upper

119 100

91 69.3 39.1 117.5

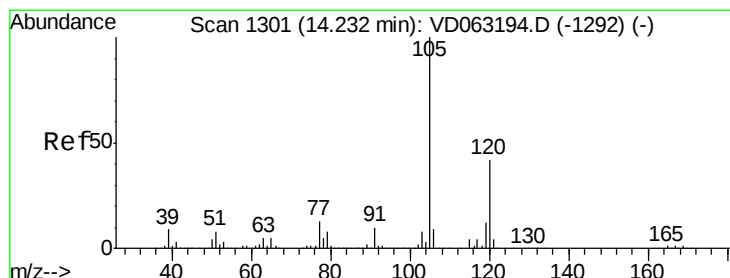
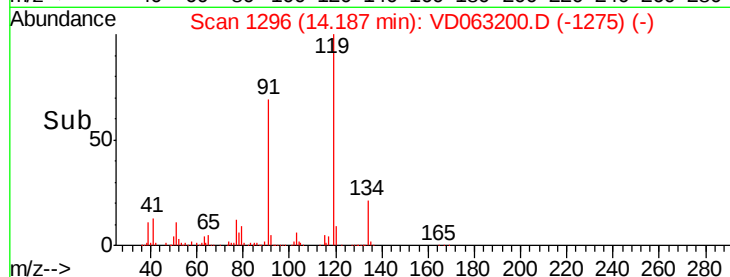
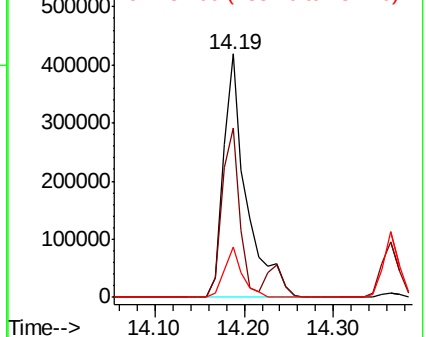
134 20.5 10.9 32.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.540 ug/l

RT: 14.24 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD063200.D

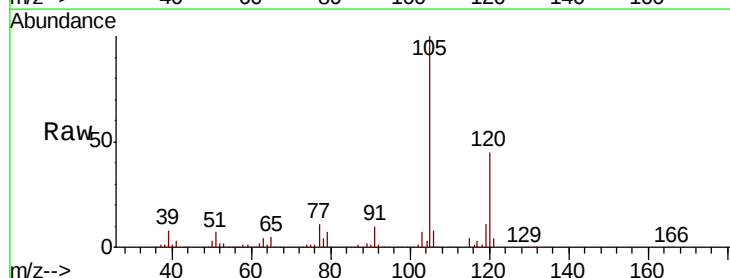
Acq: 29 Jul 2019 15:45

Tgt Ion:105 Resp: 704240

Ion Ratio Lower Upper

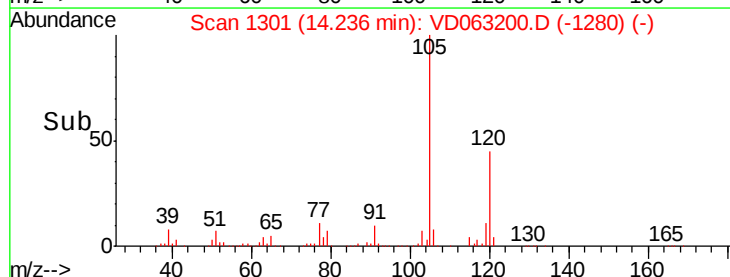
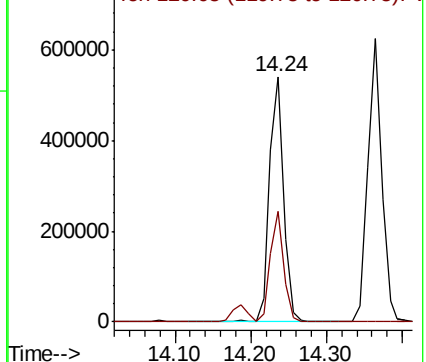
105 100

120 44.9 20.9 62.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 17.824 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

Instrument :

MSVOA_D

ClientSampleId :

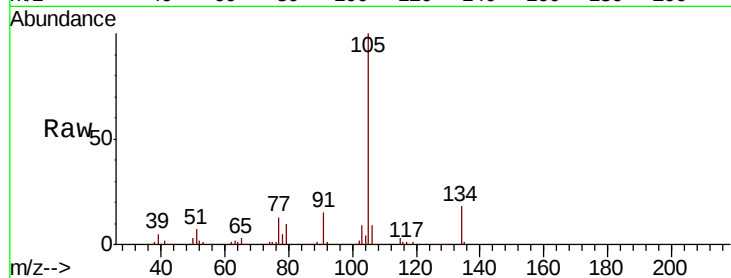
VD0729SBSD01

Tot Ion:105 Resp: 787444

Ion Ratio Lower Upper

105 100

134 18.2 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

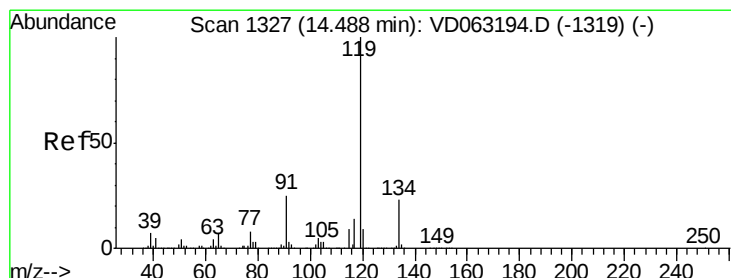
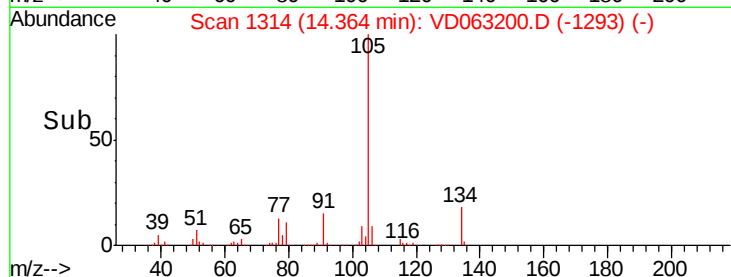
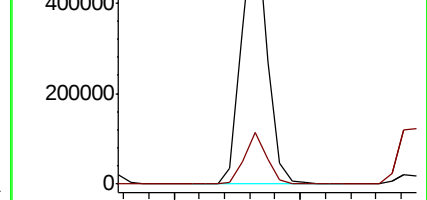
14.36

600000

400000

200000

0



#86

p-Isopropyltoluene

Concen: 19.088 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VD063200.D

Acq: 29 Jul 2019 15:45

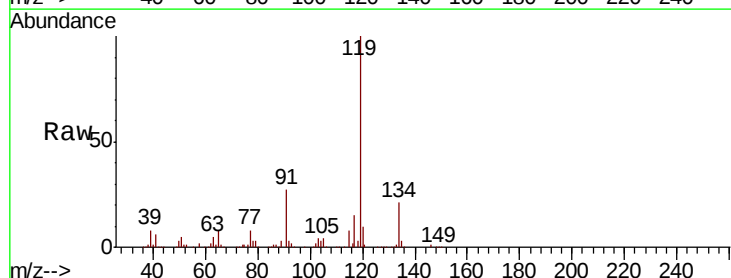
Tgt Ion:119 Resp: 804869

Ion Ratio Lower Upper

119 100

134 20.8 11.5 34.5

91 26.8 12.6 37.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

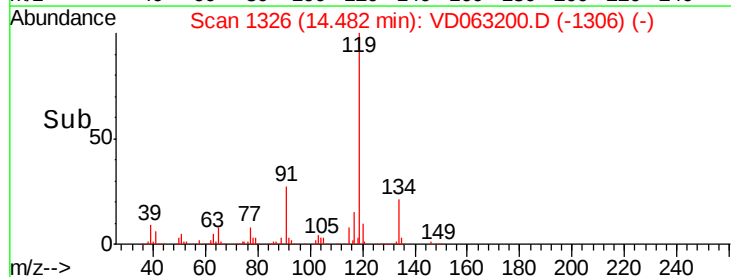
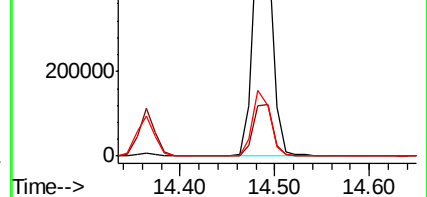
800000

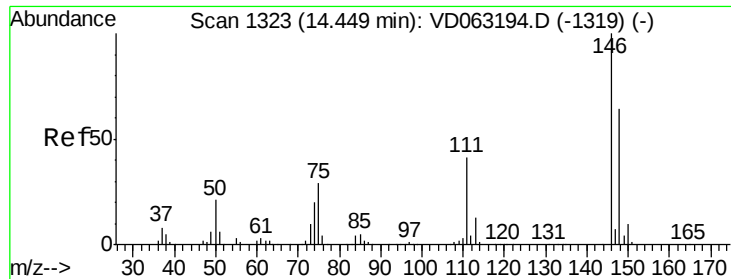
600000

400000

200000

0

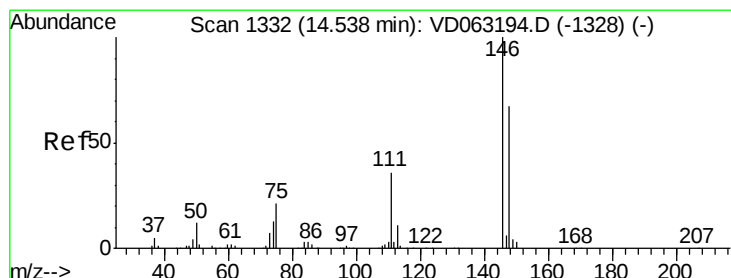
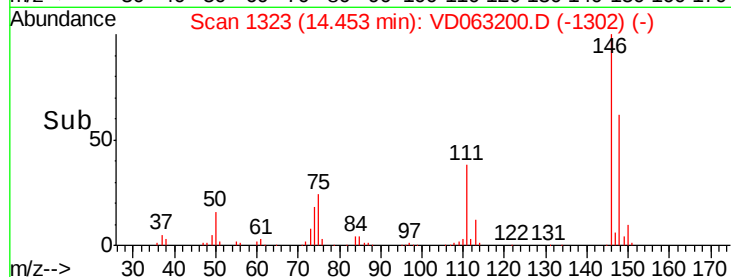
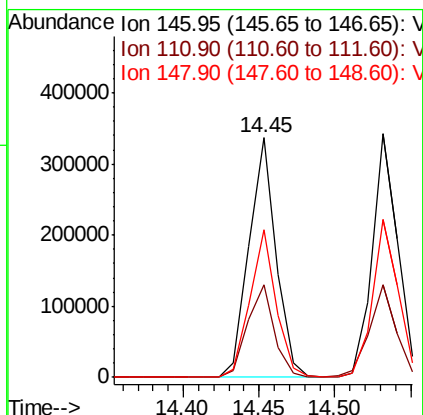
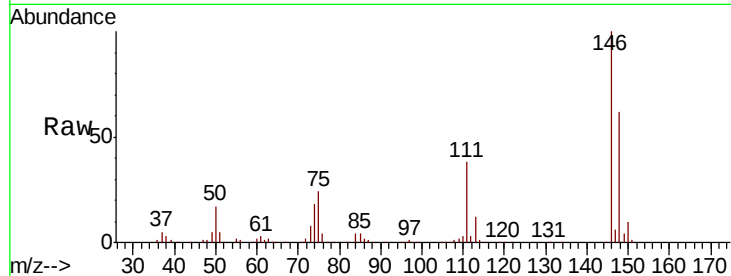




#87
 1,3-Dichlorobenzene
 Concen: 19.596 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

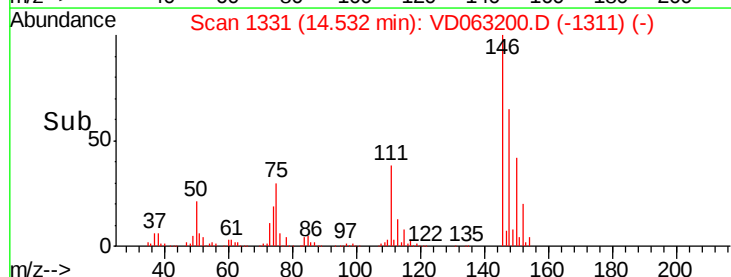
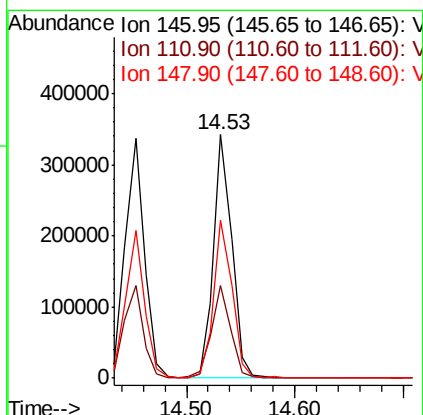
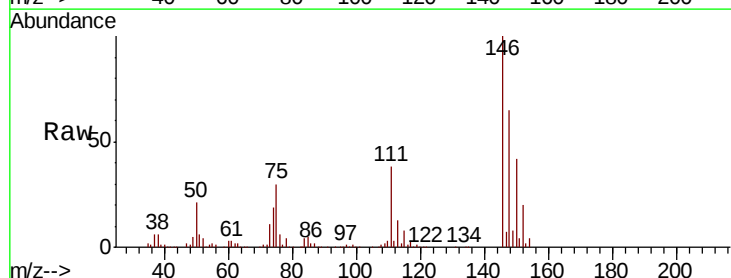
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBSD01

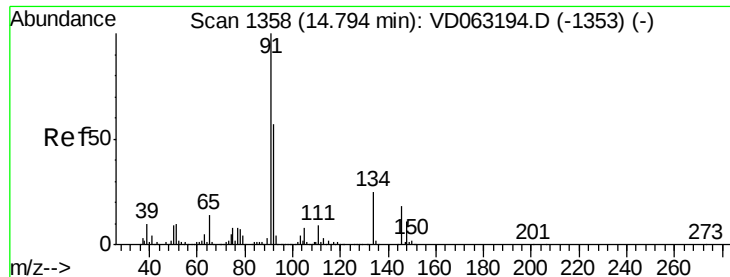
Tot Ion:146 Resp: 420931
 Ion Ratio Lower Upper
 146 100
 111 38.4 20.4 61.3
 148 61.6 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 18.669 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

Tgt Ion:146 Resp: 405512
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.1 54.3
 148 64.9 33.4 100.1

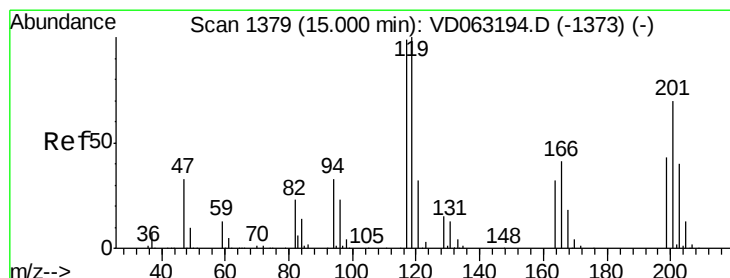
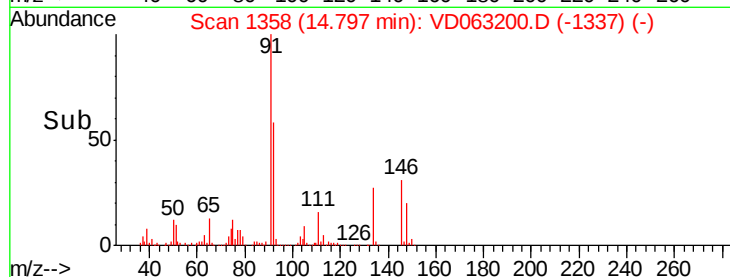
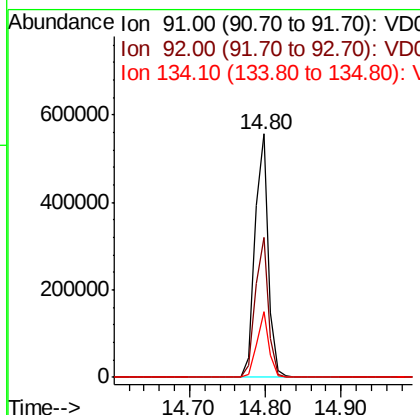
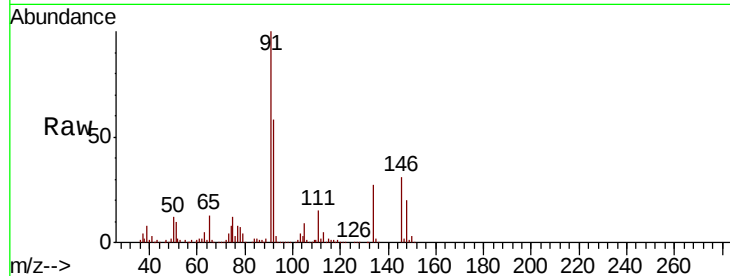




#89
n-Butylbenzene
Concen: 18.986 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

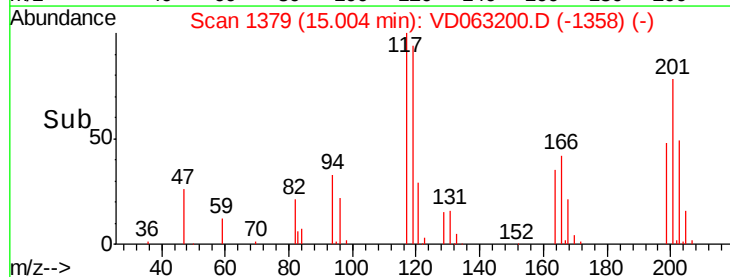
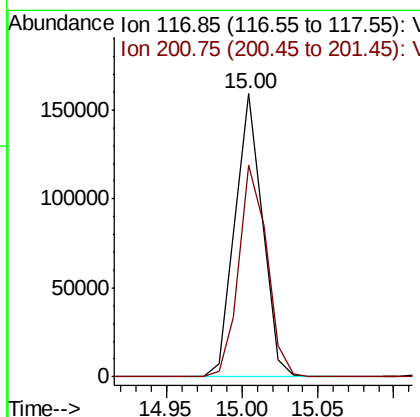
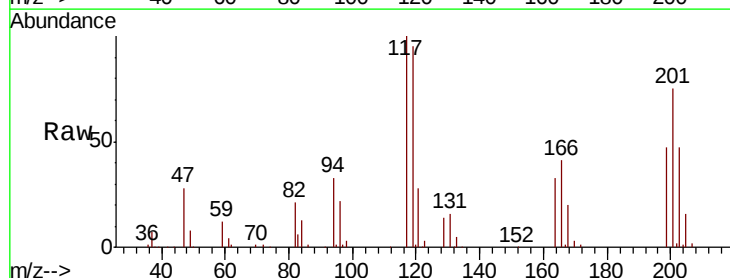
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

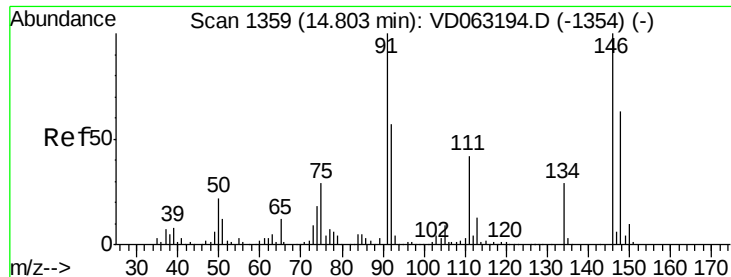
Tot Ion: 91 Resp: 691447
Ion Ratio Lower Upper
91 100
92 57.5 28.3 85.0
134 26.9 12.3 36.8



#90
Hexachloroethane
Concen: 18.248 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Tgt Ion: 117 Resp: 200476
Ion Ratio Lower Upper
117 100
201 75.0 35.2 105.6

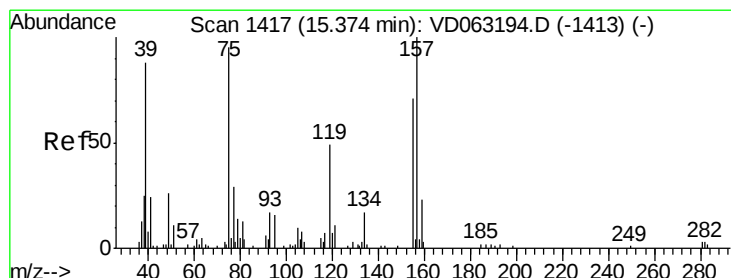
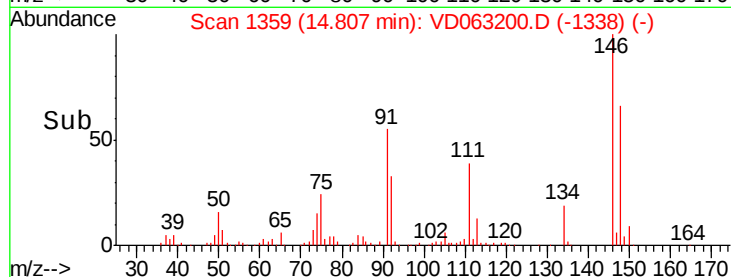
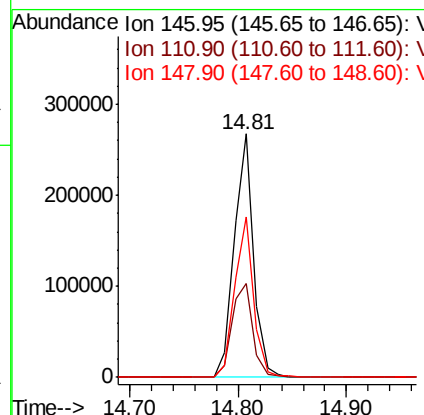
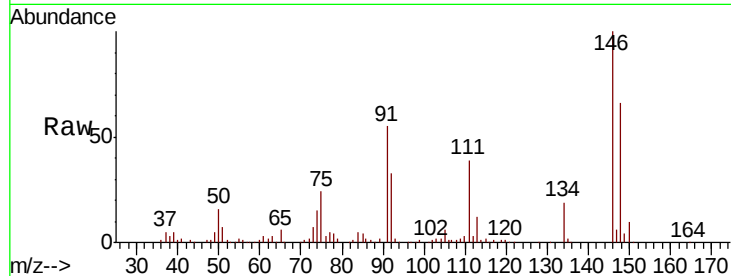




#91
 1,2-Dichlorobenzene
 Concen: 17.757 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

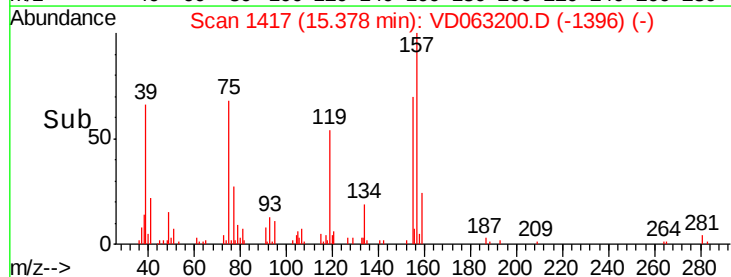
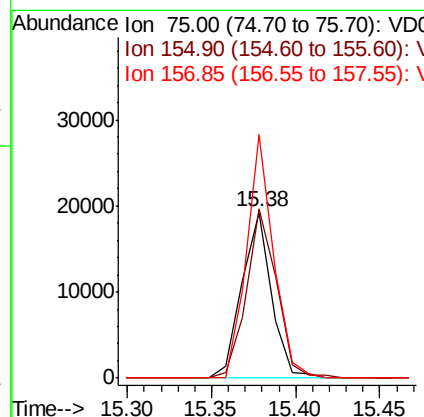
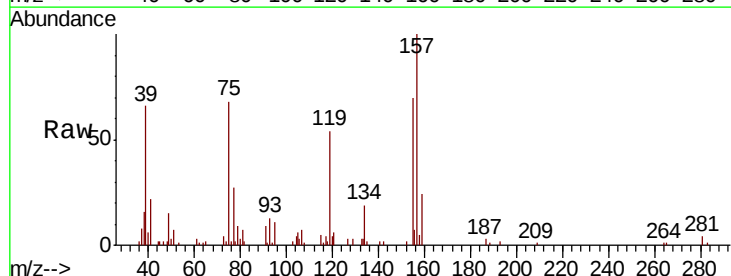
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBSD01

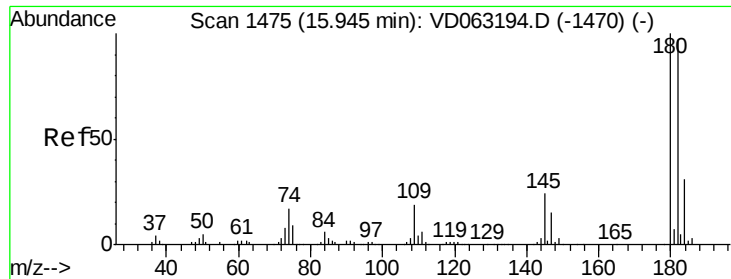
Tot Ion:146 Resp: 332329
 Ion Ratio Lower Upper
 146 100
 111 38.7 21.1 63.3
 148 66.0 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.947 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

Tgt Ion: 75 Resp: 23494
 Ion Ratio Lower Upper
 75 100
 155 102.2 37.0 111.0
 157 146.7 52.4 157.2

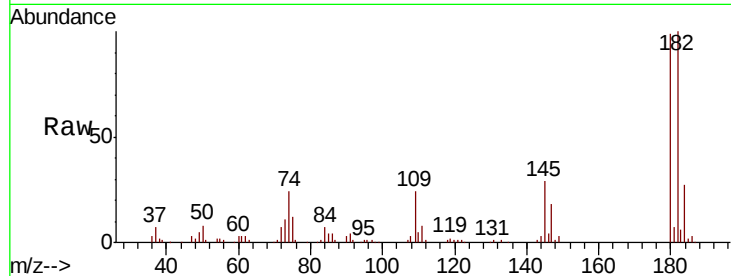




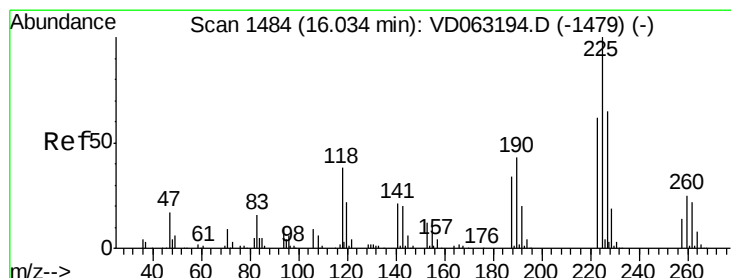
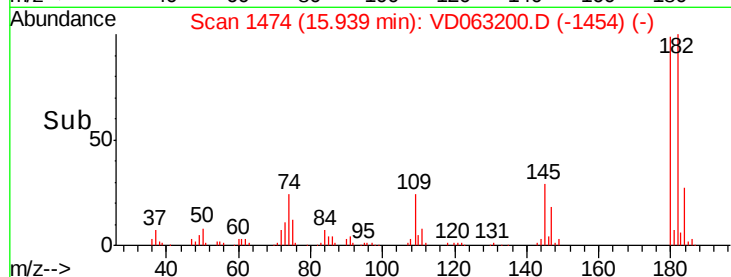
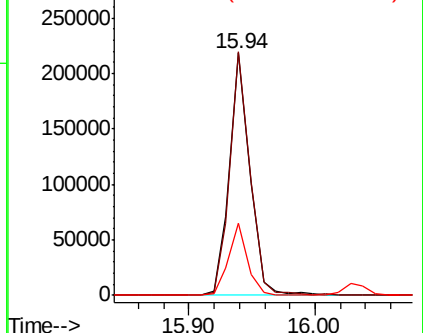
#93
 1,2,4-Trichlorobenzene
 Concen: 16.539 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.7	48.6	145.8
145	29.7	12.2	36.6

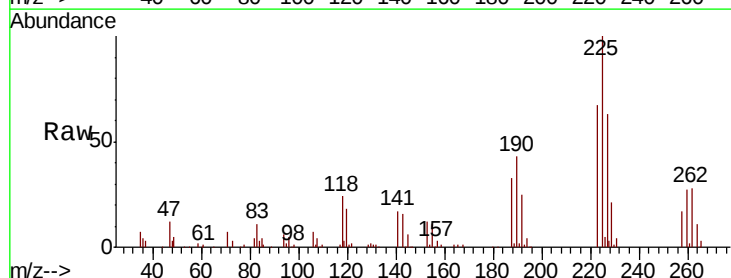


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

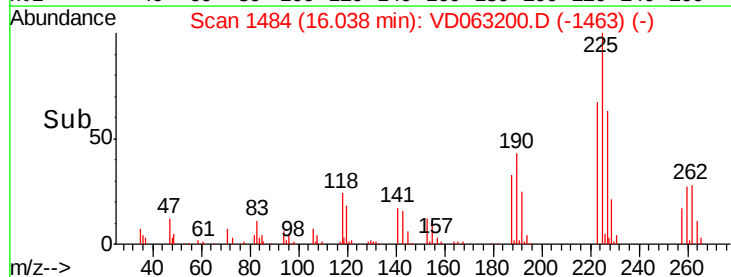
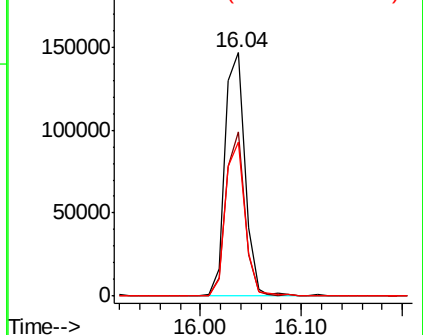


#94
 Hexachlorobutadiene
 Concen: 18.884 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063200.D
 Acq: 29 Jul 2019 15:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.3	30.9	92.5
227	63.1	32.6	97.7



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

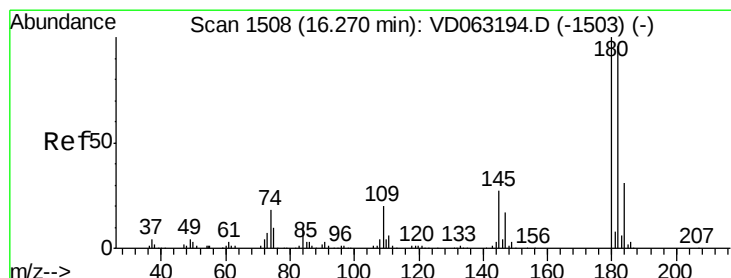
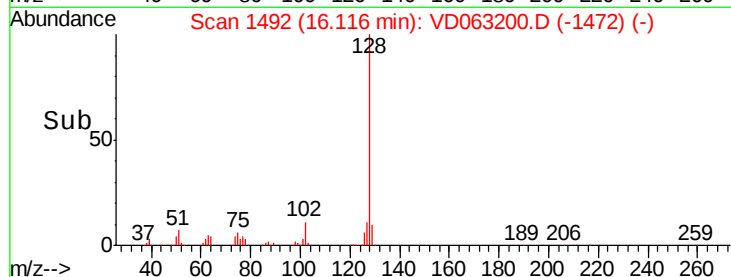
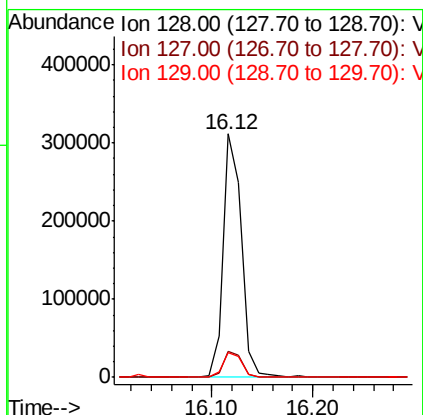
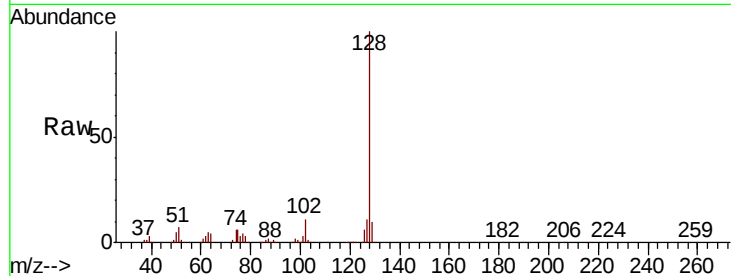




#95
Naphthalene
Concen: 18.786 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBSD01

Tot Ion:128 Resp: 394224
Ion Ratio Lower Upper
128 100
127 10.7 10.2 15.4
129 10.0 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 17.130 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD063200.D
Acq: 29 Jul 2019 15:45

Tgt Ion:180 Resp: 200916
Ion Ratio Lower Upper
180 100
182 99.4 48.3 144.9
145 28.9 13.6 40.7

