

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063215.D
 Acq On : 30 Jul 2019 00:23
 Operator : VA/AP
 Sample : VD0729SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS02

Quant Time: Jul 30 04:02:54 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	7.04	168	971487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1449216	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1188463	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	621216	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	603115	55.95	ug/l	0.00
Spiked Amount			Recovery	=	111.90%	
35) Dibromofluoromethane	6.92	113	648739	52.43	ug/l	0.00
Spiked Amount			Recovery	=	104.86%	
50) Toluene-d8	10.40	98	1468657	53.04	ug/l	0.00
Spiked Amount			Recovery	=	106.08%	
62) 4-Bromofluorobenzene	13.55	95	621976	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	263899	22.223	ug/l	94
3) Chloromethane	1.74	50	209714	22.730	ug/l	95
4) Vinyl Chloride	1.84	62	197567	20.685	ug/l	93
5) Bromomethane	2.14	94	92118	19.123	ug/l	95
6) Chloroethane	2.25	64	91407	20.728	ug/l	96
7) Trichlorofluoromethane	2.52	101	374893	20.232	ug/l	97
8) Diethyl Ether	2.86	74	58075	22.395	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.14	101	230393	22.446	ug/l	98
10) Methyl Iodide	3.30	142	294128	19.836	ug/l	98
11) Tert butyl alcohol	4.07	59	48573	102.678	ug/l	94
12) 1,1-Dichloroethene	3.12	96	170899	22.680	ug/l #	76
13) Acrolein	3.03	56	48216	105.905	ug/l	98
14) Allyl chloride	3.61	41	250348	20.856	ug/l	97
15) Acrylonitrile	4.19	53	128448	104.732	ug/l	90
16) Acetone	3.22	43	182388	86.840	ug/l	99
17) Carbon Disulfide	3.35	76	523391	20.752	ug/l	97
18) Methyl Acetate	3.63	43	93625	23.207	ug/l	95
19) Methyl tert-butyl Ether	4.23	73	362750	21.312	ug/l	96
20) Methylene Chloride	3.81	84	178909	21.074	ug/l #	92
21) trans-1,2-Dichloroethene	4.20	96	185171	21.901	ug/l	97
22) Diisopropyl ether	5.11	45	517730	21.588	ug/l #	97
23) Vinyl Acetate	5.05	43	1526800	103.568	ug/l	99
24) 1,1-Dichloroethane	4.97	63	321052	20.958	ug/l #	95
25) 2-Butanone	6.06	43	214967	101.986	ug/l	93
26) 2,2-Dichloropropane	6.01	77	305780	19.369	ug/l	98
27) cis-1,2-Dichloroethene	6.02	96	198537	21.902	ug/l	91
28) Bromochloromethane	6.43	49	129157	21.161	ug/l	100
29) Tetrahydrofuran	6.45	42	98142	98.344	ug/l	98
30) Chloroform	6.65	83	413223	21.736	ug/l	95
31) Cyclohexane	6.95	56	208415	21.705	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	403762	21.957	ug/l	99
36) 1,1-Dichloropropene	7.13	75	266259	20.132	ug/l	99
37) Ethyl Acetate	6.18	43	107273	18.054	ug/l #	92
38) Carbon Tetrachloride	7.10	117	389407	19.557	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	215757	19.580	ug/l	90
40) Benzene	7.44	78	569033	20.529	ug/l	96
41) Methacrylonitrile	6.45	41	134933	18.984	ug/l #	93
42) 1,2-Dichloroethane	7.57	62	291385	19.835	ug/l	96
43) Isopropyl Acetate	9.24	43	146478	19.299	ug/l #	100
44) Trichloroethene	8.53	130	216817	19.303	ug/l	92
45) 1,2-Dichloropropane	8.94	63	144195	20.466	ug/l	95
46) Dibromomethane	9.05	93	109397	18.674	ug/l	96
47) Bromodichloromethane	9.37	83	306515	20.526	ug/l	90
48) Methyl methacrylate	9.11	41	102022	20.725	ug/l	87
49) 1,4-Dioxane	9.07	88	16723	398.550	ug/l #	71
51) 4-Methyl-2-Pentanone	10.29	43	528355	102.356	ug/l	100
52) Toluene	10.50	92	360510	19.555	ug/l	92
53) t-1,3-Dichloropropene	10.90	75	241947	18.793	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	264706	19.563	ug/l	94
55) 1,1,2-Trichloroethane	11.18	97	128841	20.693	ug/l	95
56) Ethyl methacrylate	11.04	69	133384	19.563	ug/l	90
57) 1,3-Dichloropropane	11.41	76	189476	19.314	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.85	63	342414	96.516	ug/l	96
59) 2-Hexanone	11.52	43	351830	94.581	ug/l	95
60) Dibromochloromethane	11.68	129	226003	19.227	ug/l	97
61) 1,2-Dibromoethane	11.80	107	155615	20.254	ug/l	87
64) Tetrachloroethene	11.25	164	205858	21.742	ug/l	97
65) Chlorobenzene	12.39	112	493573	21.592	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	214757	21.328	ug/l	97
67) Ethyl Benzene	12.52	91	824115	21.222	ug/l	97
68) m/p-Xylenes	12.67	106	570528	40.062	ug/l	96
69) o-Xylene	13.04	106	281167	21.499	ug/l	96
70) Styrene	13.07	104	484943	20.909	ug/l	98
71) Bromoform	13.23	173	140976	19.252	ug/l	99
73) Isopropylbenzene	13.40	105	846588	21.713	ug/l	99
74) N-amyl acetate	13.26	43	213099	20.675	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	134817	20.356	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	148894	19.955	ug/l	99
77) Bromobenzene	13.66	156	229311	20.646	ug/l	94
78) n-propylbenzene	13.77	91	1012142	21.814	ug/l	99
79) 2-Chlorotoluene	13.84	91	555940	20.679	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	730794	21.732	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	35277	17.026	ug/l	90
82) 4-Chlorotoluene	13.95	91	698420	22.074	ug/l	99
83) tert-Butylbenzene	14.18	119	796803	20.752	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	710605	20.430	ug/l	99
85) sec-Butylbenzene	14.36	105	795585	19.666	ug/l	99
86) p-Isopropyltoluene	14.49	119	786377	20.366	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	435619	22.147	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	385728	19.393	ug/l	96
89) n-Butylbenzene	14.79	91	724095	21.713	ug/l	98
90) Hexachloroethane	15.00	117	206966	20.574	ug/l	99
91) 1,2-Dichlorobenzene	14.80	146	370388	21.613	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	25045	18.565	ug/l	93

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration

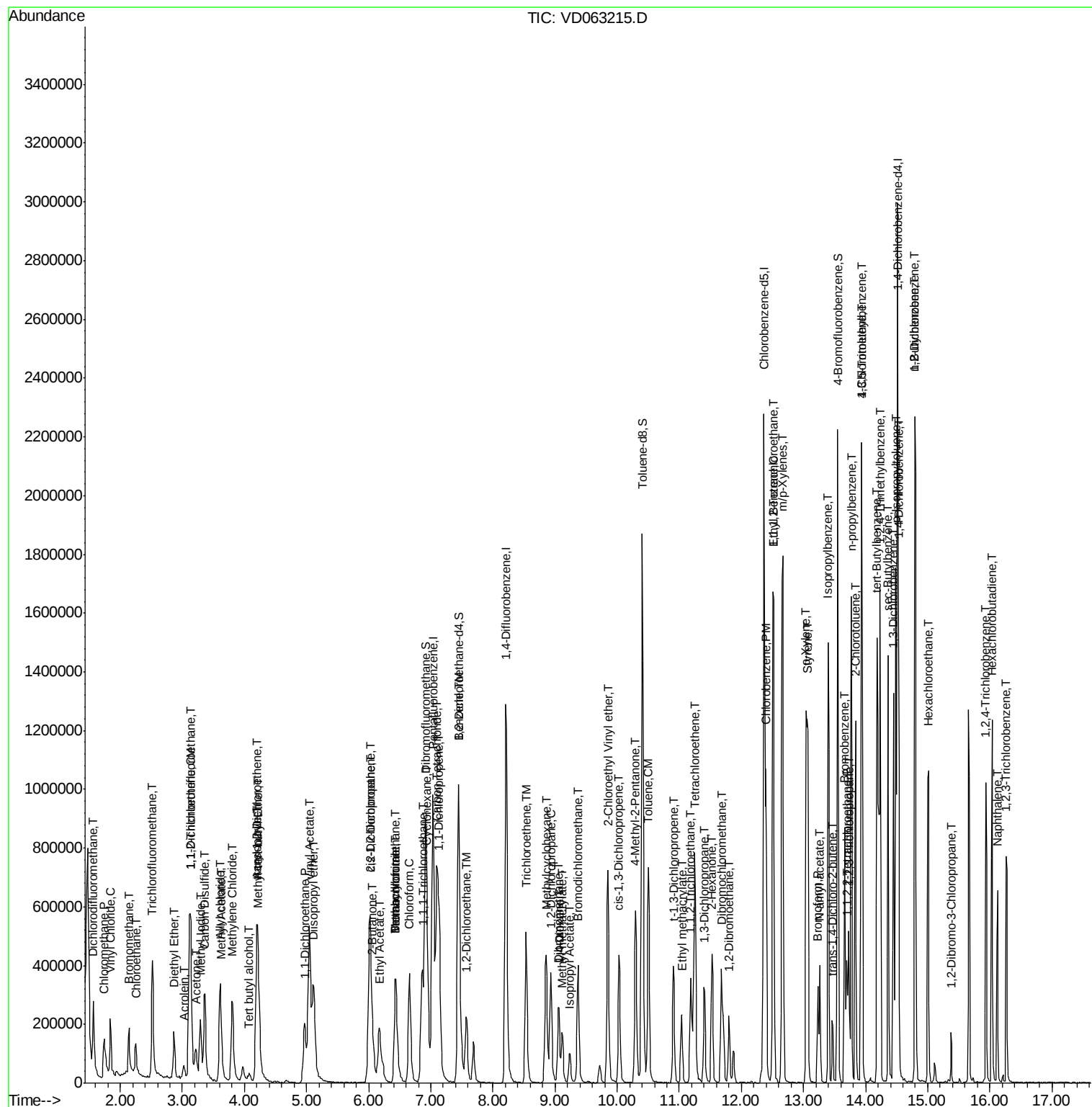
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	270162	19.872	ug/l	98
94) Hexachlorobutadiene	16.03	225	205189	20.827	ug/l	96
95) Naphthalene	16.12	128	410299	21.352	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	220272	20.509	ug/l	98

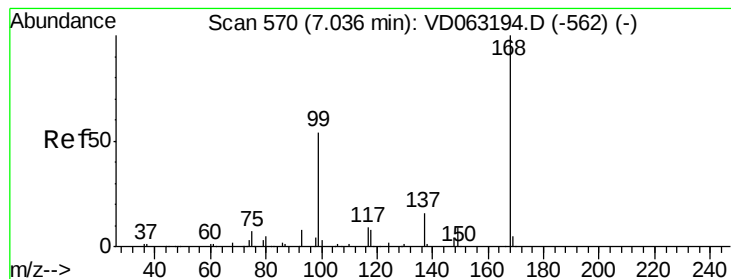
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

Instrument :

MSVOA_D

ClientSampleId :

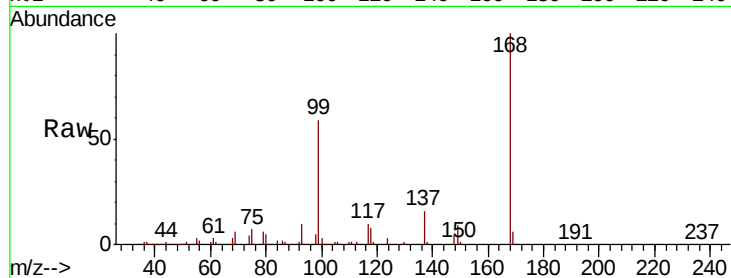
VD0729SBSD02

Tot Ion:168 Resp: 971487

Ion Ratio Lower Upper

168 100

99 59.0 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

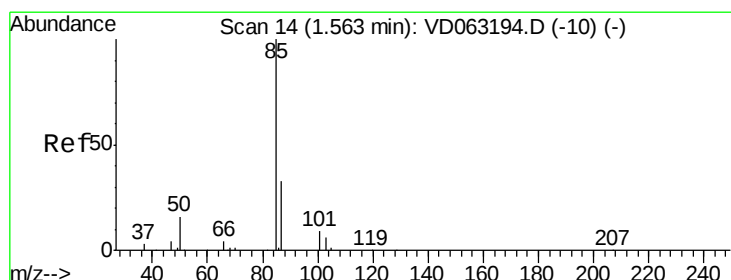
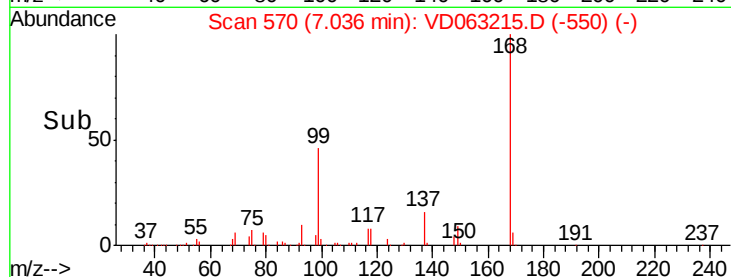
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: 22.223 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD063215.D

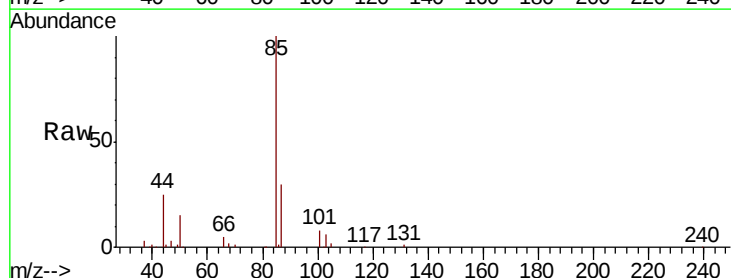
Acq: 30 Jul 2019 00:23

Tgt Ion: 85 Resp: 263899

Ion Ratio Lower Upper

85 100

87 29.5 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

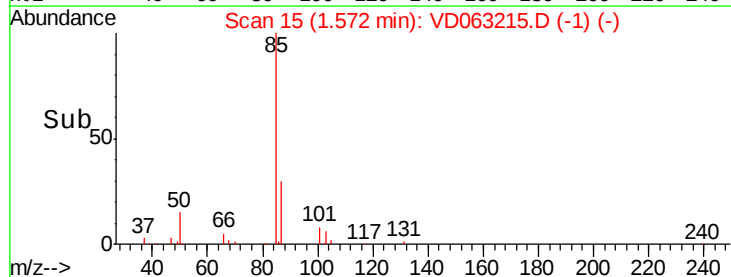
100000

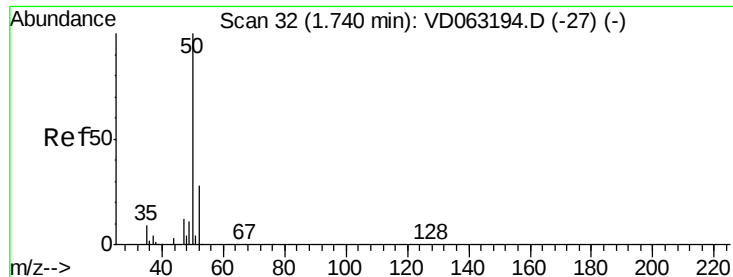
50000

0

Time-->

1.50 1.60 1.70





#3

Chloromethane

Concen: 22.730 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

Instrument :

MSVOA_D

ClientSampleId :

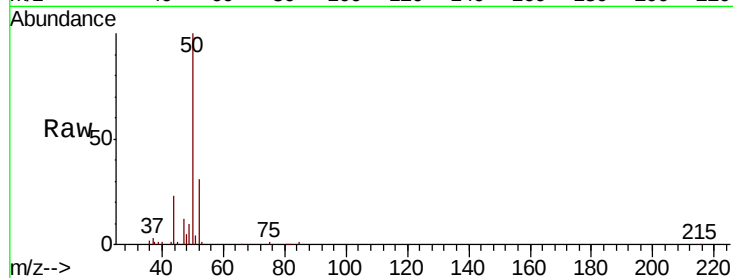
VD0729SBSD02

Tot Ion: 50 Resp: 209714

Ion Ratio Lower Upper

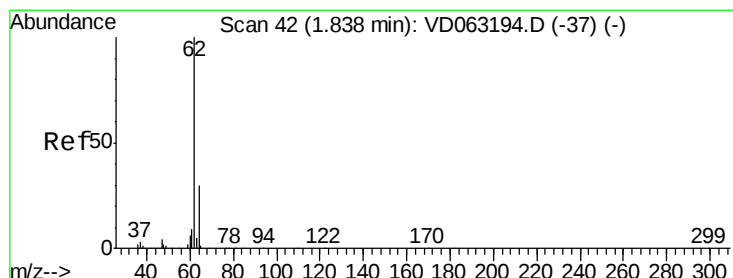
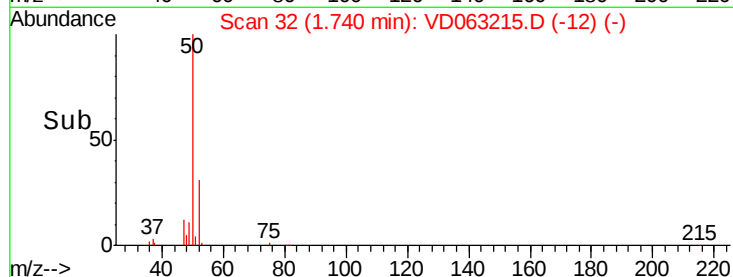
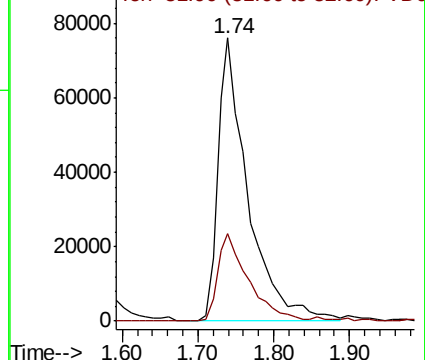
50 100

52 31.1 22.6 34.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.685 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD063215.D

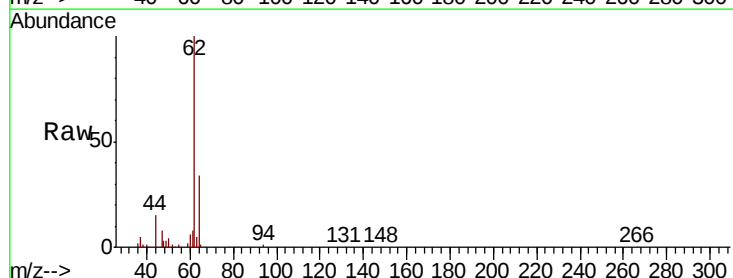
Acq: 30 Jul 2019 00:23

Tgt Ion: 62 Resp: 197567

Ion Ratio Lower Upper

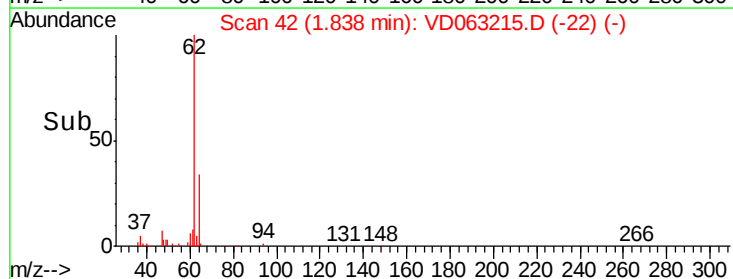
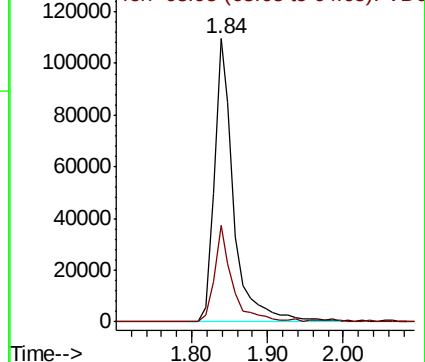
62 100

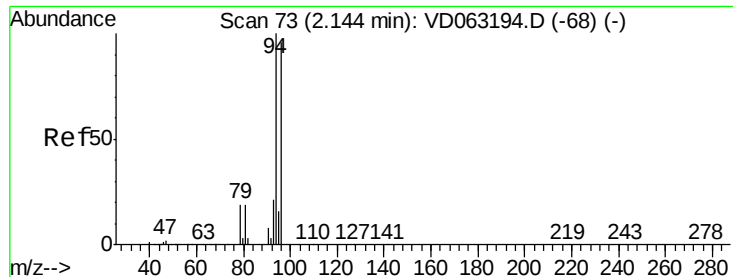
64 34.2 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.123 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS02

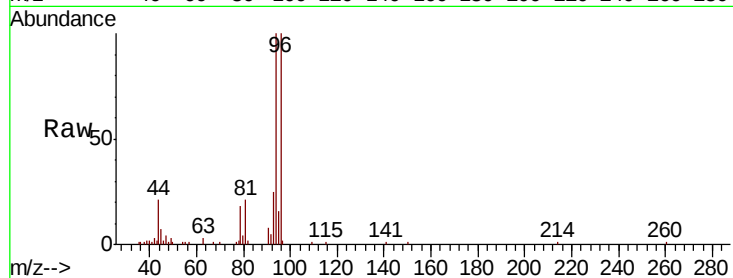
Tot Ion: 94 Resp: 92118

Ion Ratio Lower Upper

94 100

96 100.1 76.4 114.6

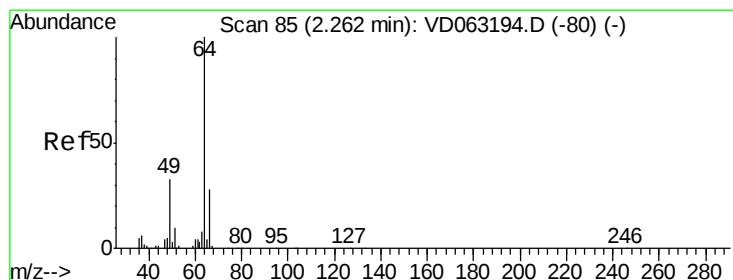
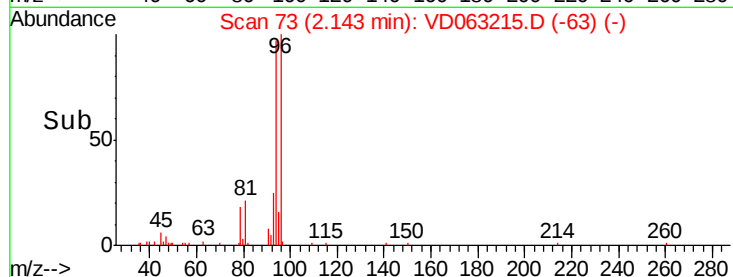
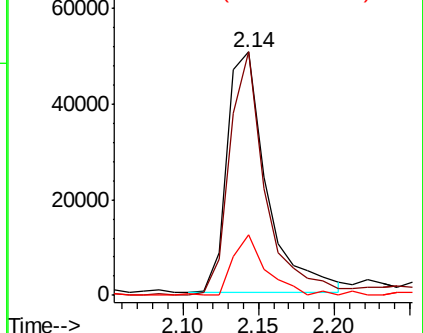
93 24.7 17.3 25.9



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: 20.728 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063215.D

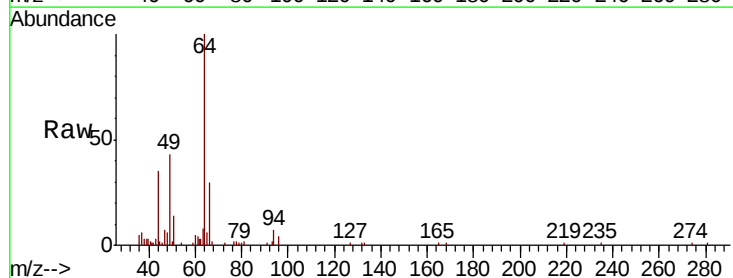
Acq: 30 Jul 2019 00:23

Tgt Ion: 64 Resp: 91407

Ion Ratio Lower Upper

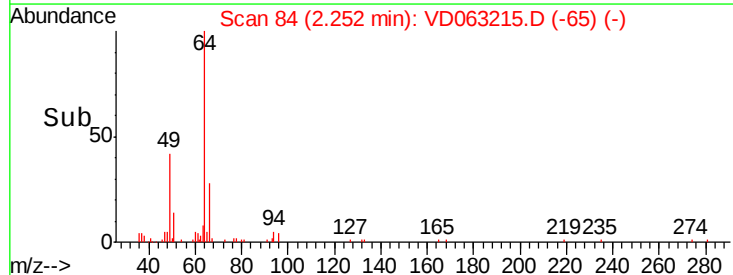
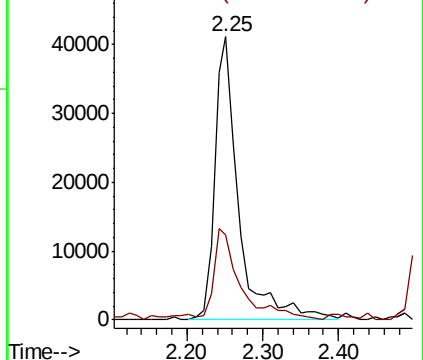
64 100

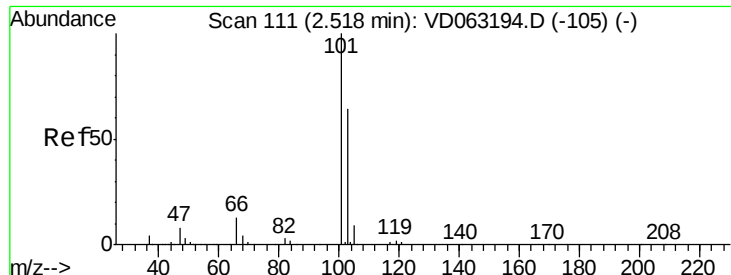
66 30.0 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



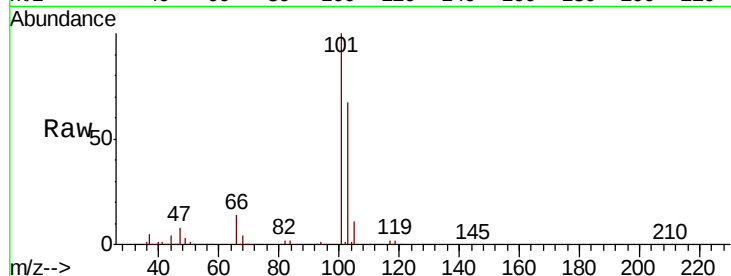


#7

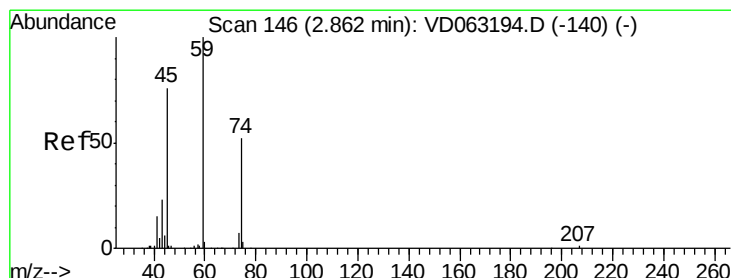
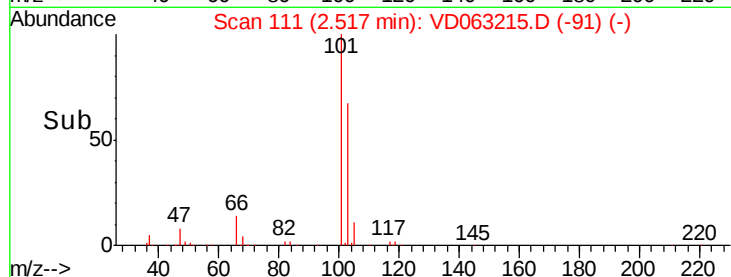
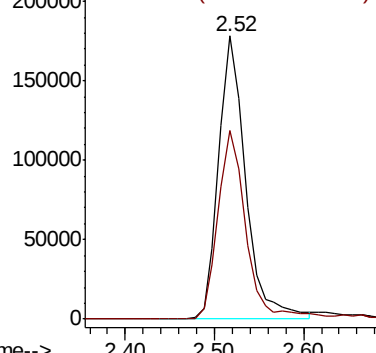
Trichlorofluoromethane
 Concen: 20.232 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.00 min
 Lab File: VD063215.D
 Acq: 30 Jul 2019 00:23

Instrument :
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Tot Ion:101 Resp: 374893
 Ion Ratio Lower Upper
 101 100
 103 66.6 51.5 77.3



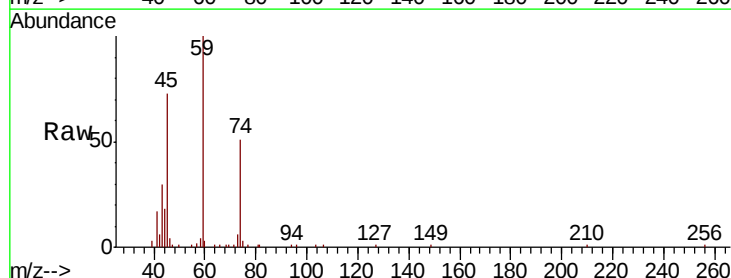
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



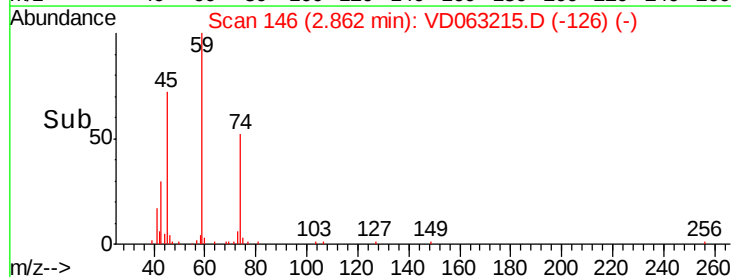
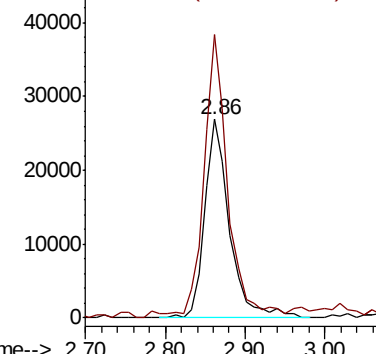
#8

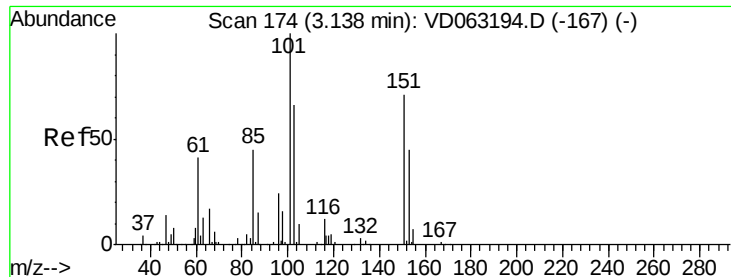
Diethyl Ether
 Concen: 22.395 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.00 min
 Lab File: VD063215.D
 Acq: 30 Jul 2019 00:23

Tgt Ion: 74 Resp: 58075
 Ion Ratio Lower Upper
 74 100
 45 142.4 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: 22.446 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.00 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBSD02

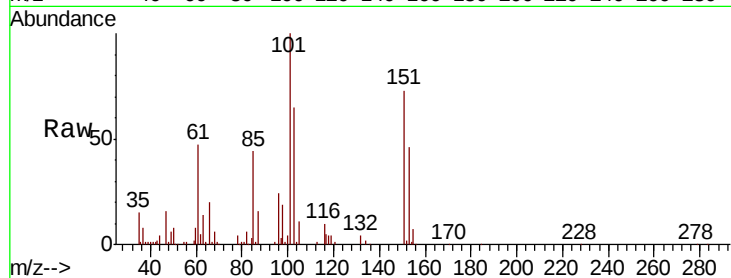
Tot Ion:101 Resp: 230393

Ion Ratio Lower Upper

101 100

85 43.7 36.1 54.1

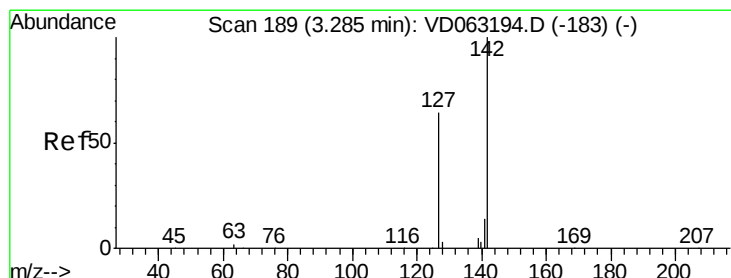
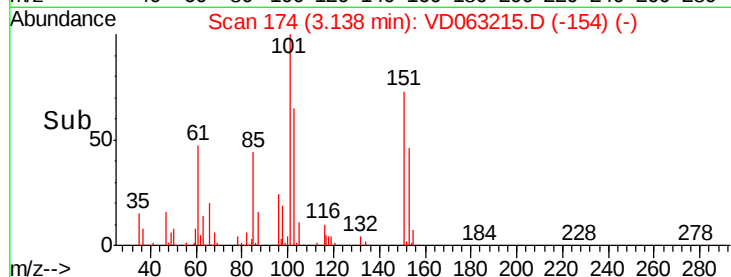
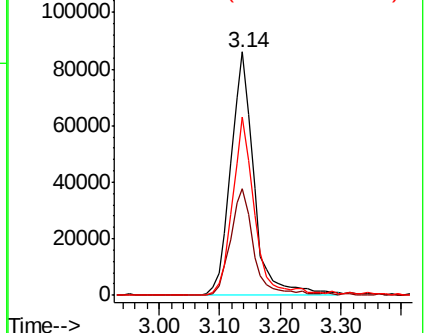
151 73.2 57.1 85.7



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: 19.836 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

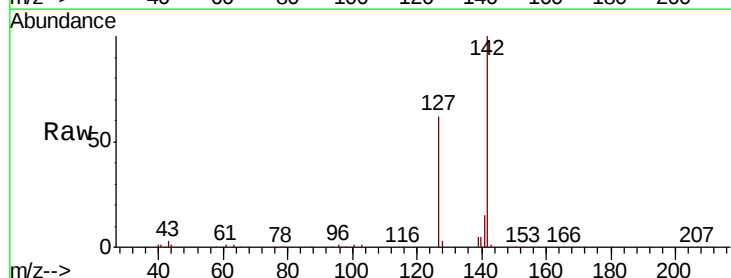
Tgt Ion:142 Resp: 294128

Ion Ratio Lower Upper

142 100

127 62.3 50.8 76.2

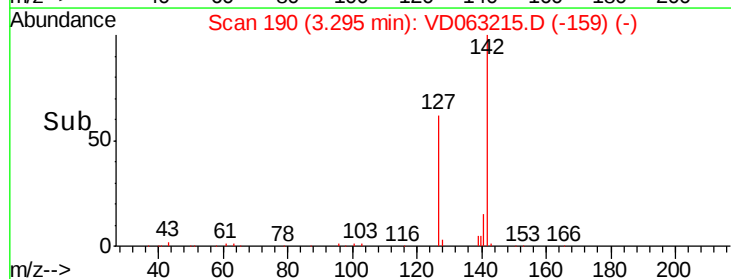
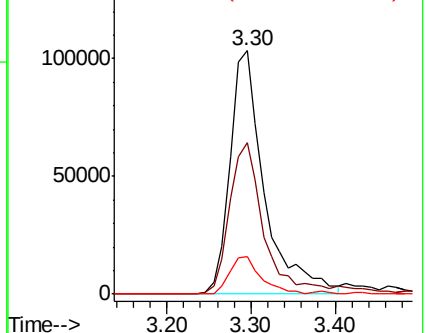
141 15.3 11.4 17.2

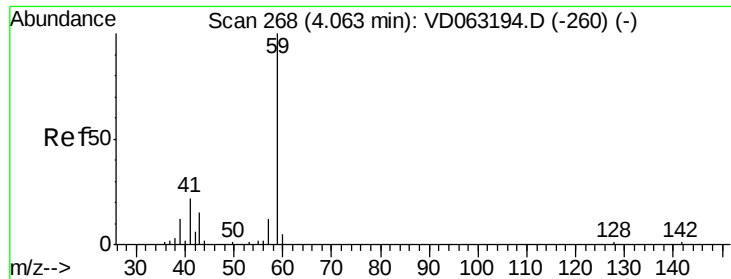


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



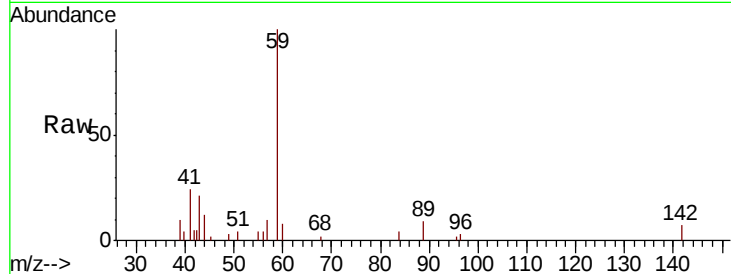


#11

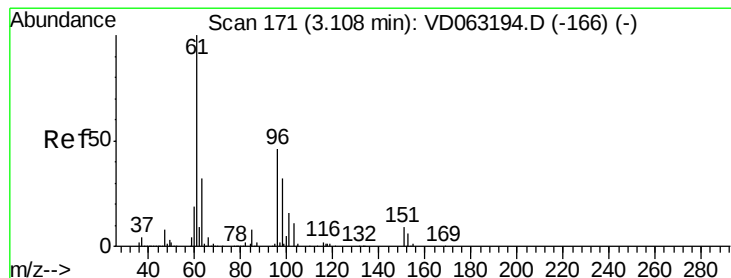
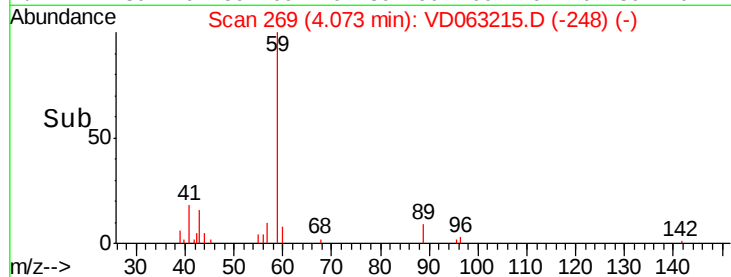
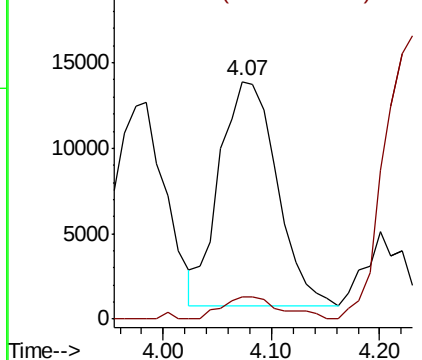
Tert butyl alcohol
Concen: 102.678 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.01 min
Lab File: VD063215.D
Acq: 30 Jul 2019 00:23

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS02

Tot Ion: 59 Resp: 48573
Ion Ratio Lower Upper
59 100
57 9.6 9.6 14.4



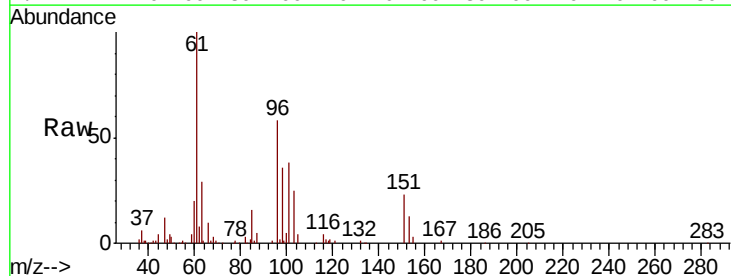
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



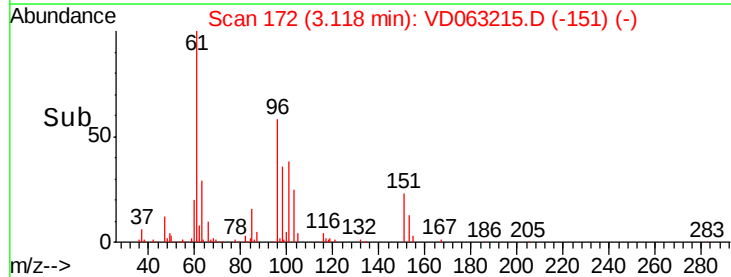
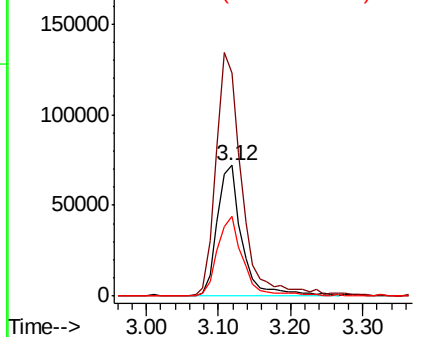
#12

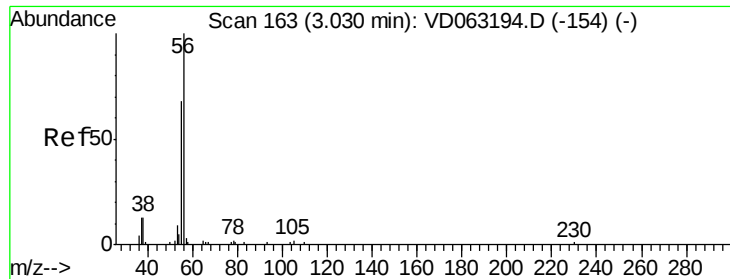
1,1-Dichloroethene
Concen: 22.680 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.01 min
Lab File: VD063215.D
Acq: 30 Jul 2019 00:23

Tgt Ion: 96 Resp: 170899
Ion Ratio Lower Upper
96 100
61 171.3 173.7 260.5#
98 61.6 55.8 83.8



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

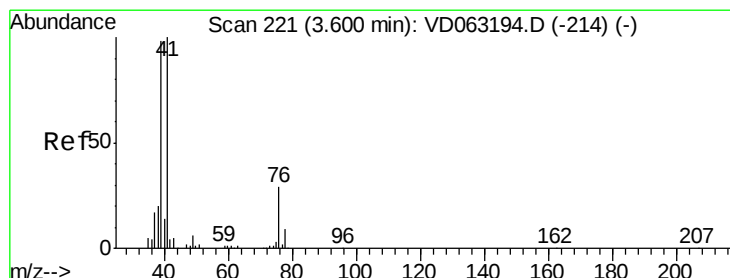
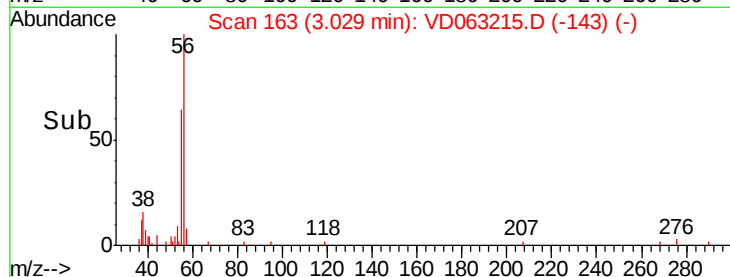
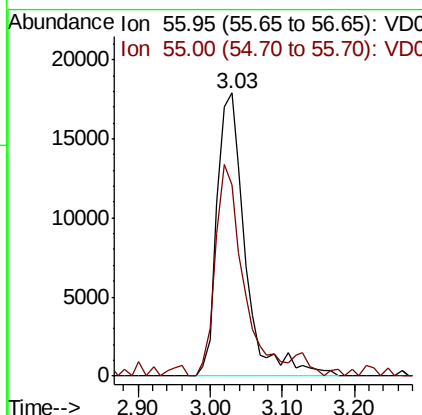
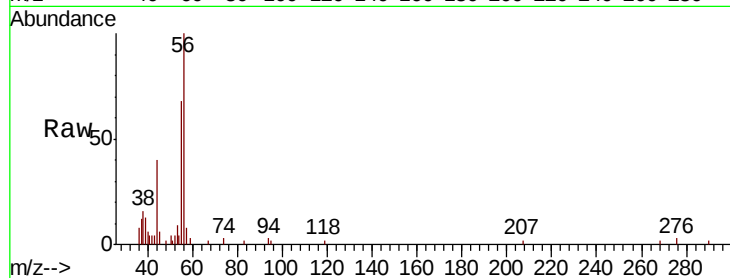




#13
Acrolein
Concen: 105.905 ug/l
RT: 3.03 min Scan# 163
Delta R.T. -0.00 min
Lab File: VD063215.D
Acq: 30 Jul 2019 00:23

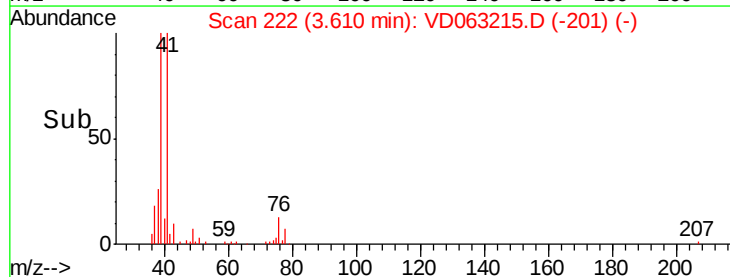
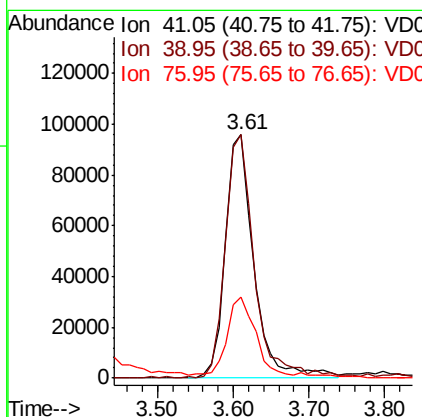
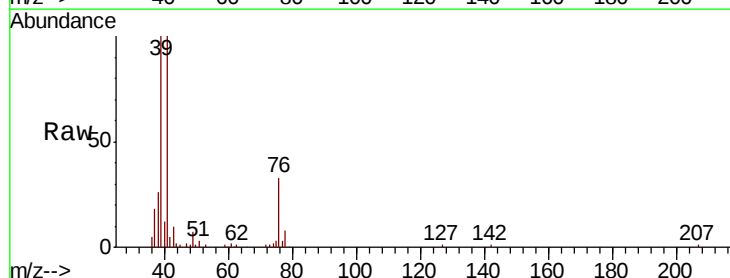
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBSD02

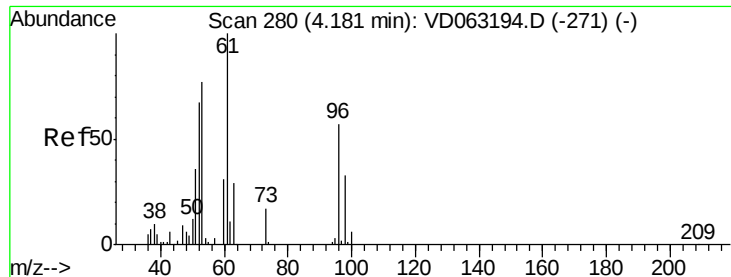
Tot Ion: 56 Resp: 48216
Ion Ratio Lower Upper
56 100
55 67.7 55.3 82.9



#14
Allyl chloride
Concen: 20.856 ug/l
RT: 3.61 min Scan# 222
Delta R.T. 0.01 min
Lab File: VD063215.D
Acq: 30 Jul 2019 00:23

Tgt Ion: 41 Resp: 250348
Ion Ratio Lower Upper
41 100
39 100.1 78.6 117.8
76 33.1 24.5 36.7





#15

Acrylonitrile

Concen: 104.732 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

Instrument :

MSVOA_D

ClientSampleID :

VD0729SBS02

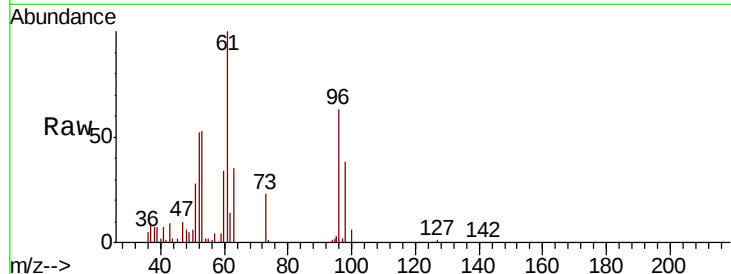
Tot Ion: 53 Resp: 128448

Ion Ratio Lower Upper

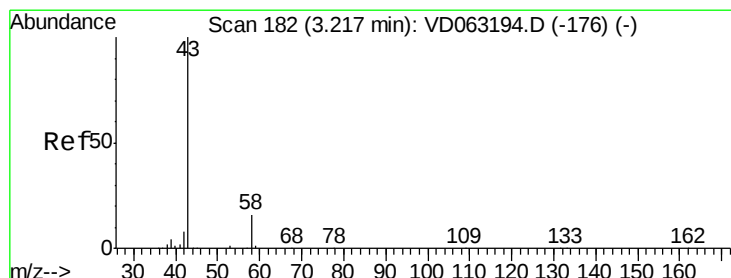
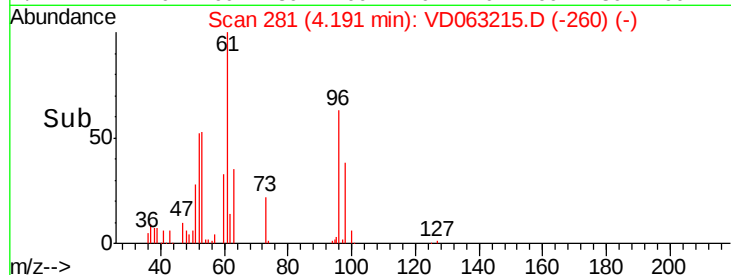
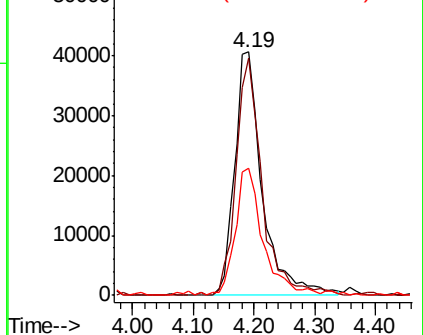
53 100

52 97.3 69.7 104.5

51 52.4 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: 86.840 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD063215.D

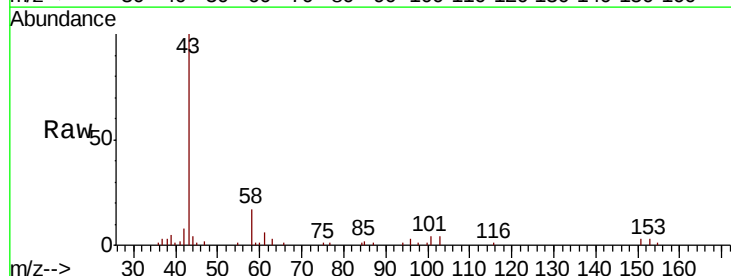
Acq: 30 Jul 2019 00:23

Tgt Ion: 43 Resp: 182388

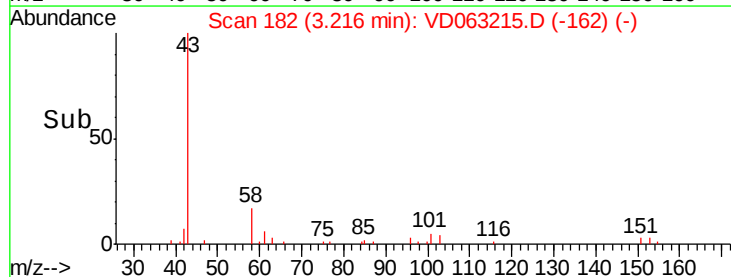
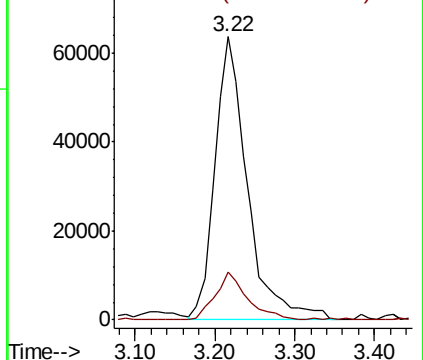
Ion Ratio Lower Upper

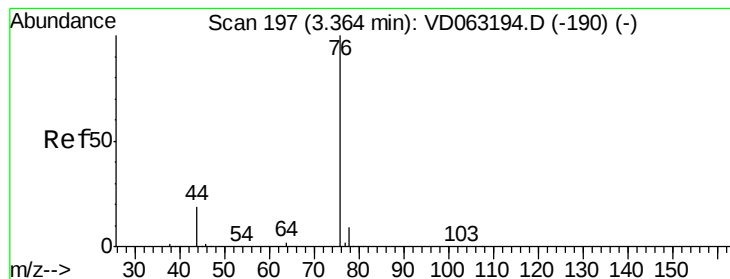
43 100

58 16.8 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: 20.752 ug/l

RT: 3.35 min Scan# 196

Delta R.T. -0.01 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

Instrument :

MSVOA_D

ClientSampleId :

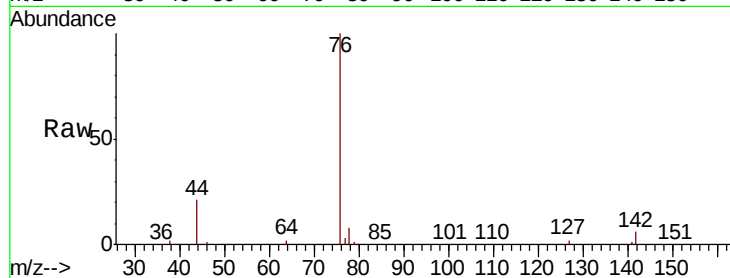
VD0729SBSD02

Tot Ion: 76 Resp: 523391

Ion Ratio Lower Upper

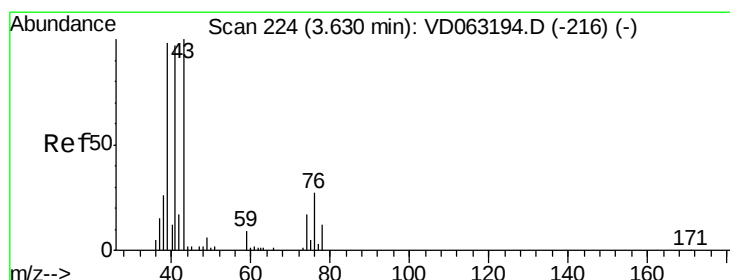
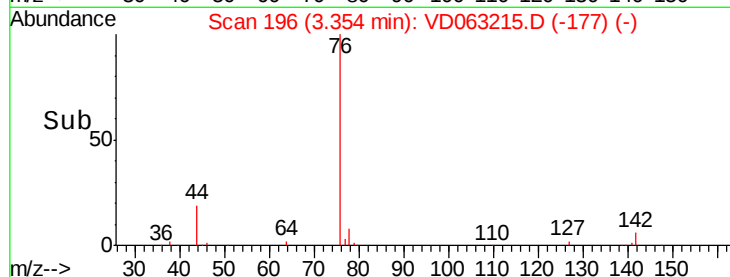
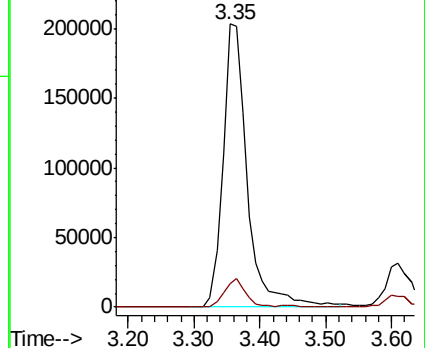
76 100

78 8.4 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 23.207 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD063215.D

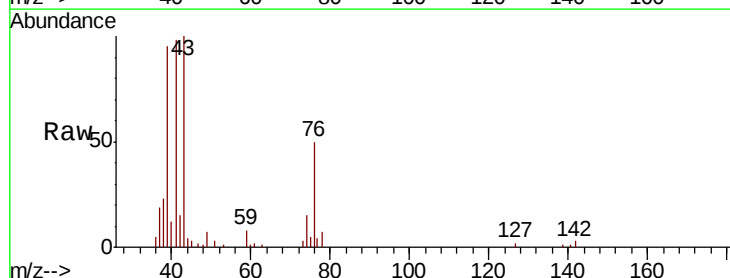
Acq: 30 Jul 2019 00:23

Tgt Ion: 43 Resp: 93625

Ion Ratio Lower Upper

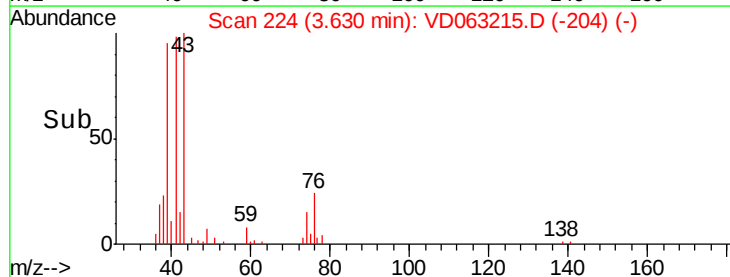
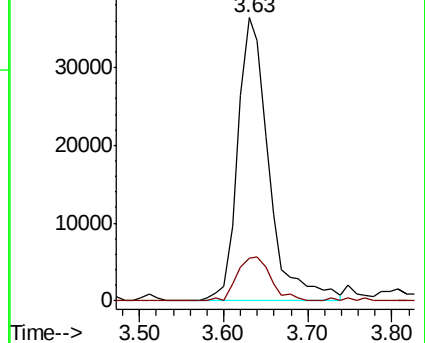
43 100

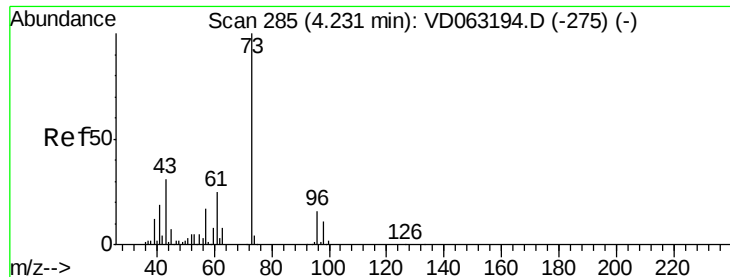
74 15.0 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



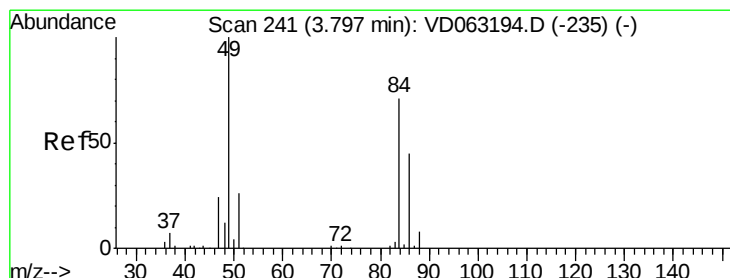
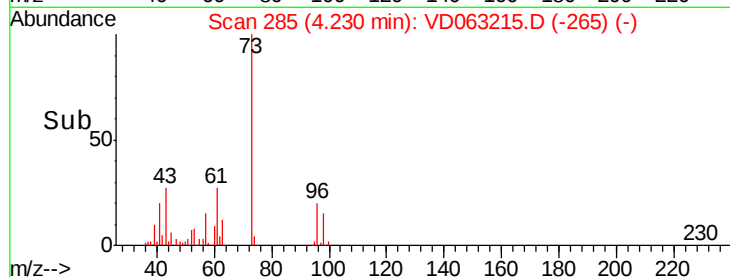
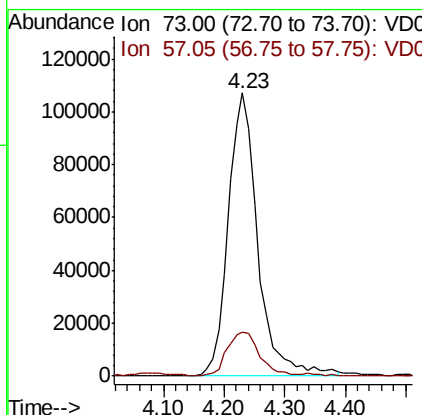
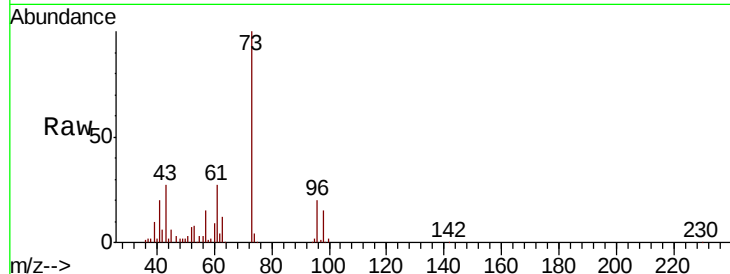


#19

Methyl tert-butyl Ether
 Concen: 21.312 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. -0.00 min
 Lab File: VD063215.D
 Acq: 30 Jul 2019 00:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS02

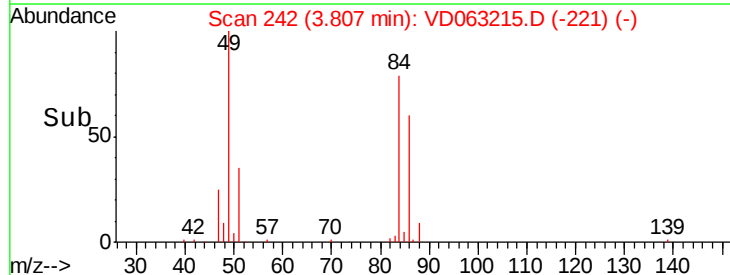
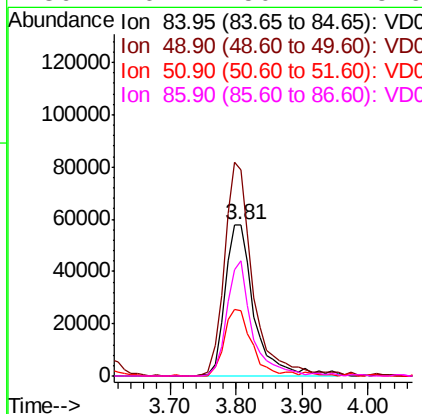
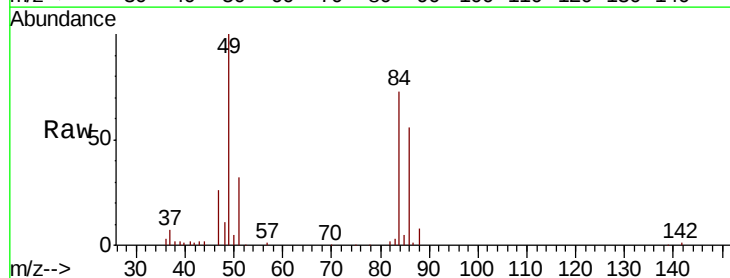
Tot Ion: 73 Resp: 362750
 Ion Ratio Lower Upper
 73 100
 57 15.5 13.8 20.6

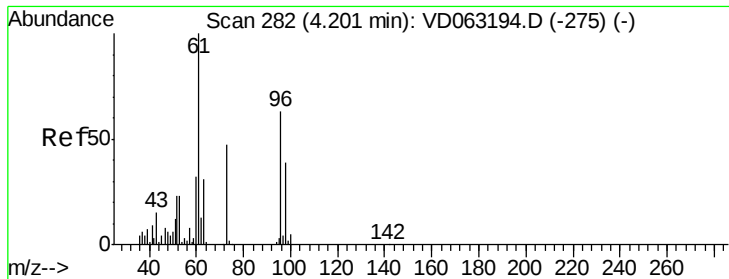


#20

Methylene Chloride
 Concen: 21.074 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. 0.01 min
 Lab File: VD063215.D
 Acq: 30 Jul 2019 00:23

Tgt Ion: 84 Resp: 178909
 Ion Ratio Lower Upper
 84 100
 49 136.2 112.5 168.7
 51 43.5 29.6 44.4
 86 76.1 50.4 75.6#





#21

trans-1,2-Dichloroethene

Concen: 21.901 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS02

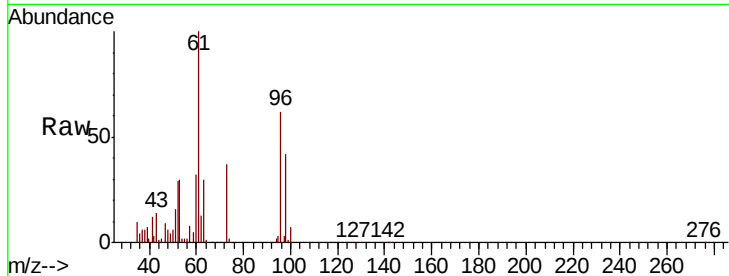
Tot Ion: 96 Resp: 185171

Ion Ratio Lower Upper

96 100

61 160.7 127.4 191.2

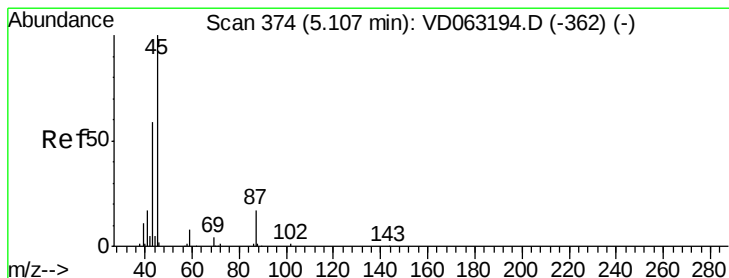
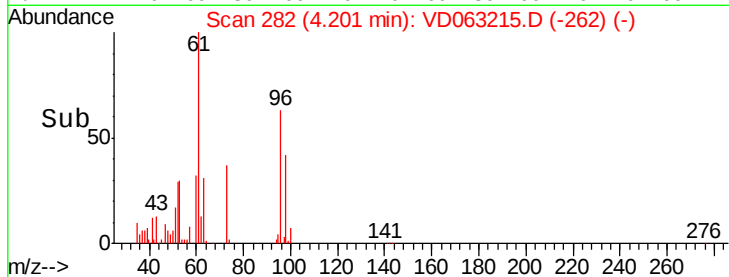
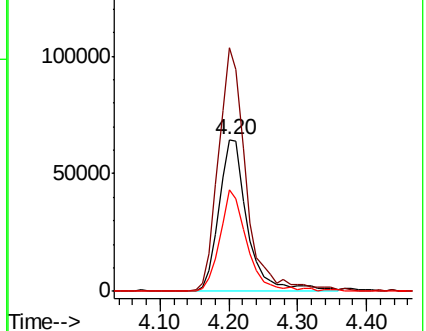
98 67.3 49.3 73.9



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: 21.588 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.00 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

Tgt Ion: 45 Resp: 517730

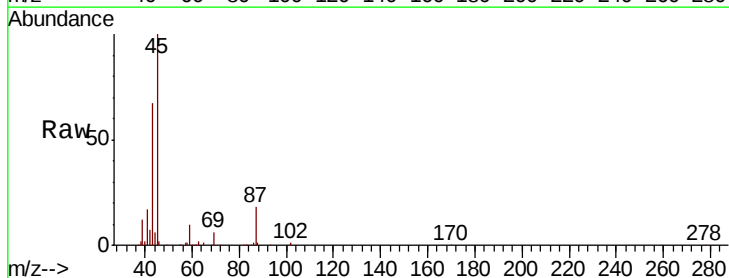
Ion Ratio Lower Upper

45 100

43 67.4 51.7 77.5

87 18.1 14.6 21.8

59 10.5 6.6 10.0#

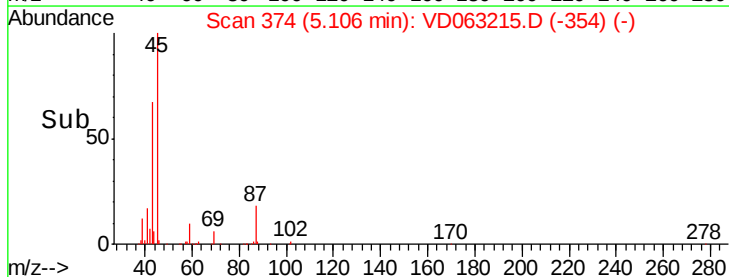
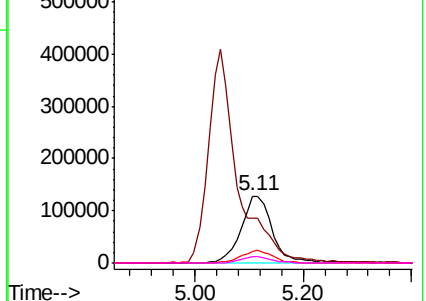


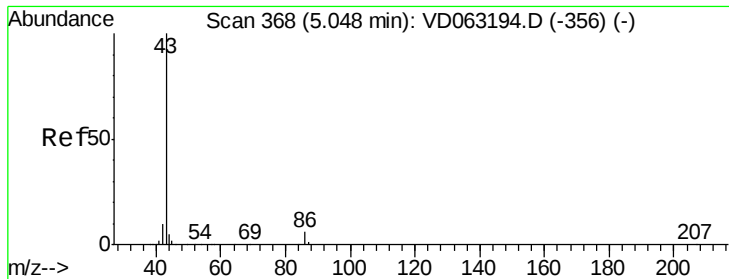
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 103.568 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

Instrument :

MSVOA_D

ClientSampleId :

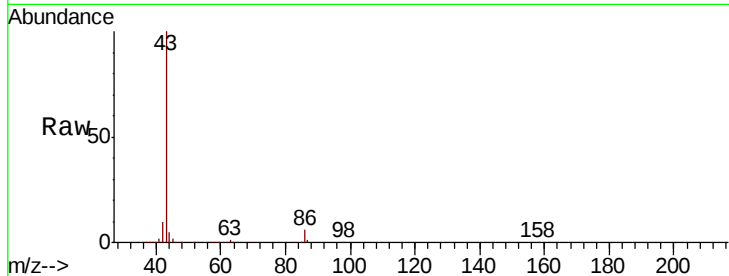
VD0729SBS02

Tot Ion: 43 Resp: 1526800

Ion Ratio Lower Upper

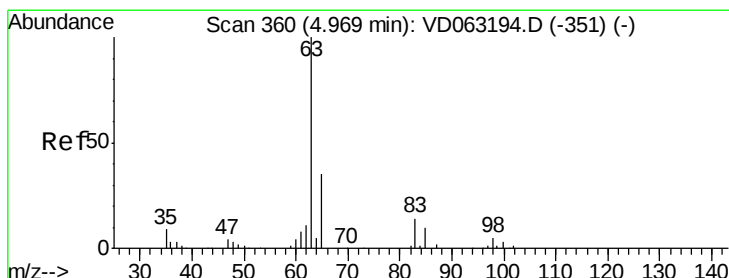
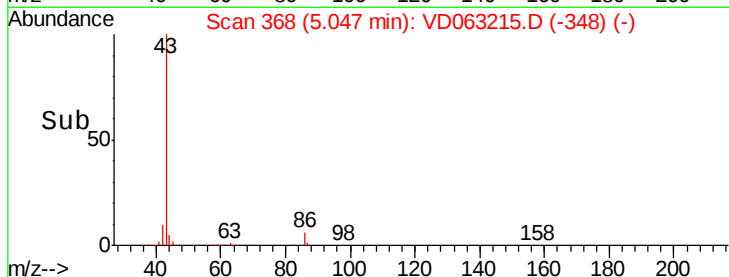
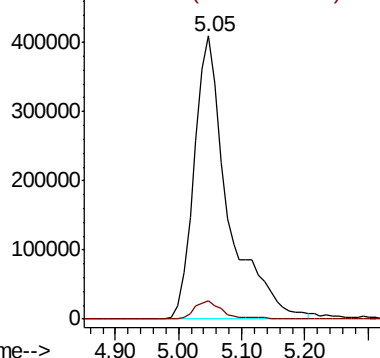
43 100

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



#24

1,1-Dichloroethane

Concen: 20.958 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.00 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

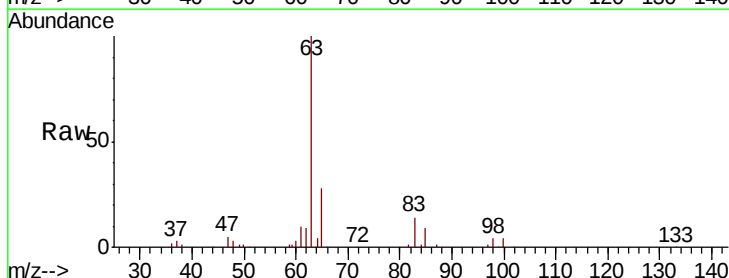
Tgt Ion: 63 Resp: 321052

Ion Ratio Lower Upper

63 100

98 4.1 2.8 8.4

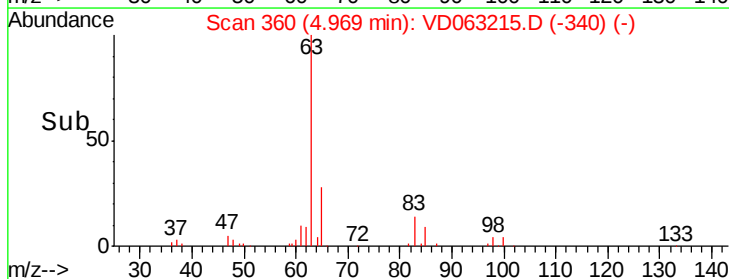
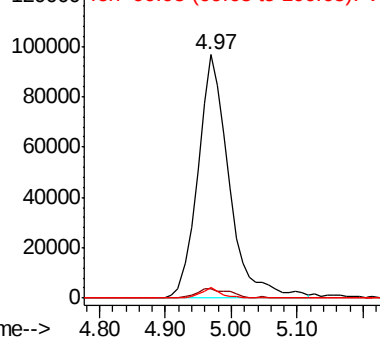
100 4.3 1.3 3.9#

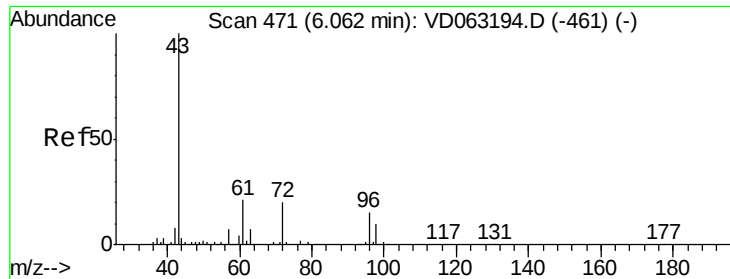


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 101.986 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.00 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

Instrument :

MSVOA_D

ClientSampleId :

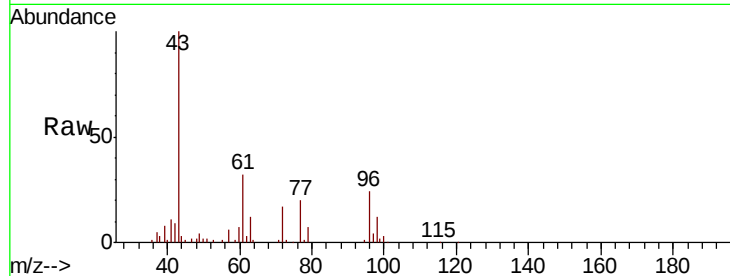
VD0729SBS02

Tot Ion: 43 Resp: 214967

Ion Ratio Lower Upper

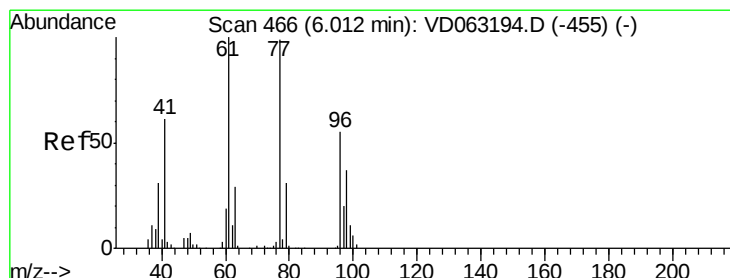
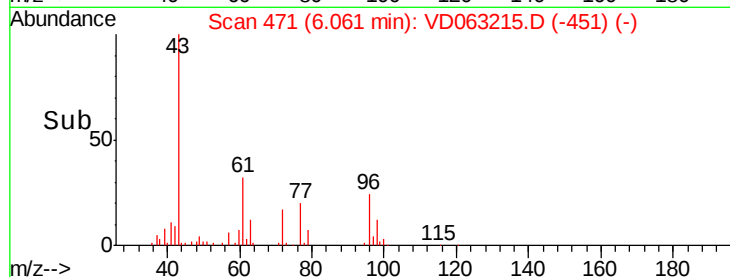
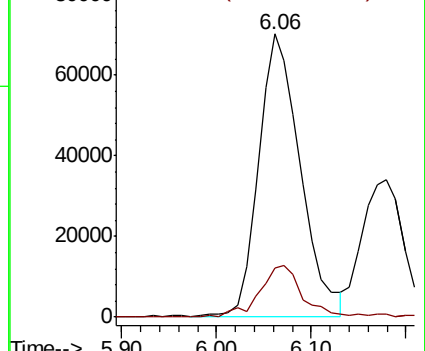
43 100

72 17.4 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: 19.369 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.00 min

Lab File: VD063215.D

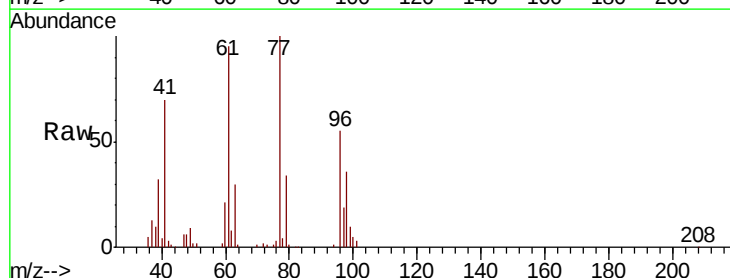
Acq: 30 Jul 2019 00:23

Tgt Ion: 77 Resp: 305780

Ion Ratio Lower Upper

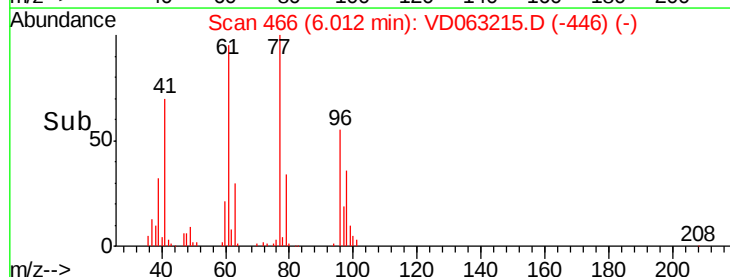
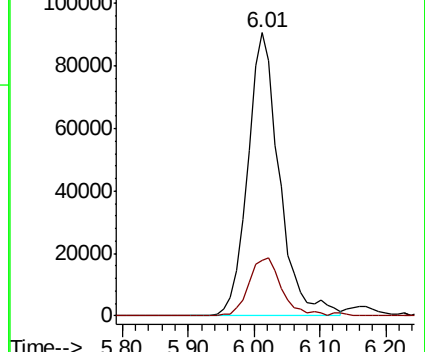
77 100

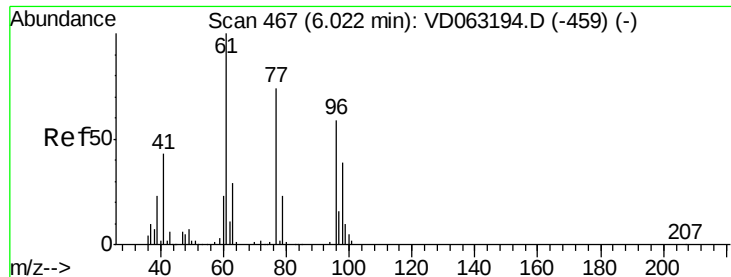
97 19.4 10.2 30.6



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: 21.902 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS02

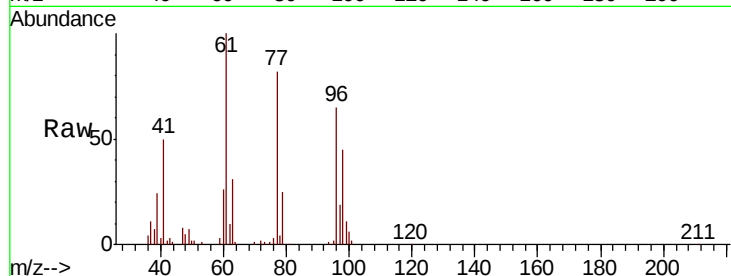
Tot Ion: 96 Resp: 198537

Ion Ratio Lower Upper

96 100

61 154.5 0.0 337.2

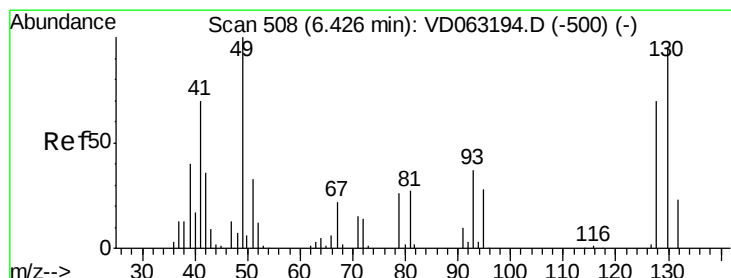
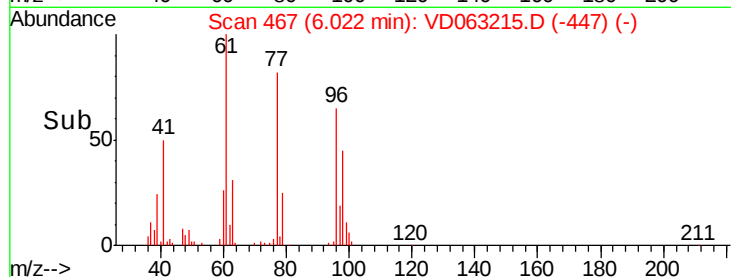
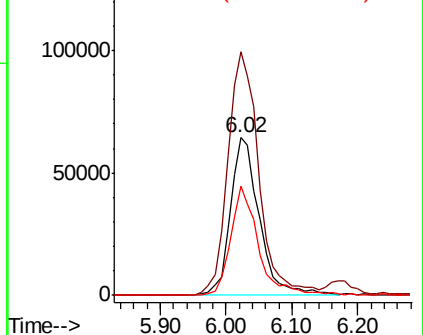
98 69.2 0.0 130.6



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: 21.161 ug/l

RT: 6.43 min Scan# 508

Delta R.T. -0.00 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

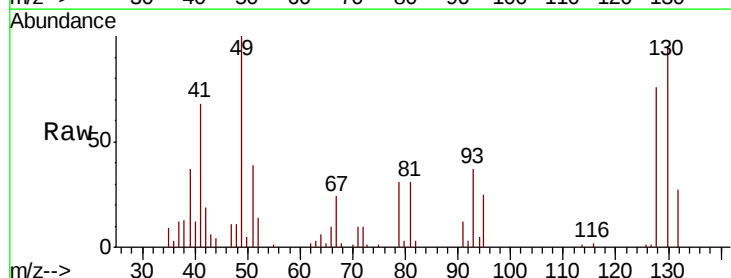
Tgt Ion: 49 Resp: 129157

Ion Ratio Lower Upper

49 100

129 0.0 0.0 0.0

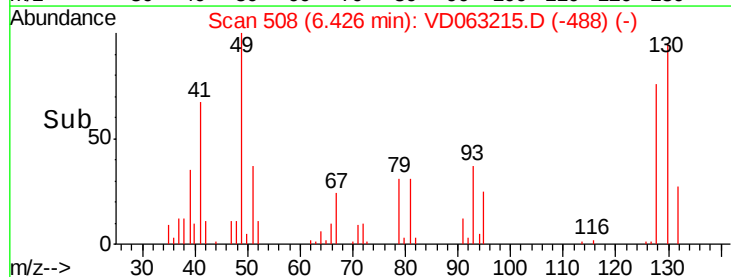
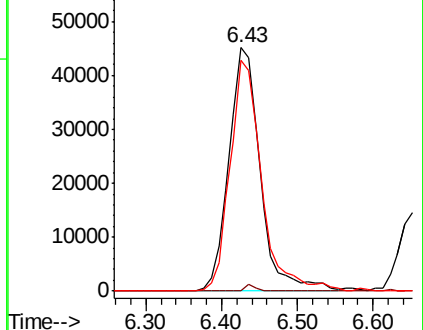
130 94.8 75.7 113.5

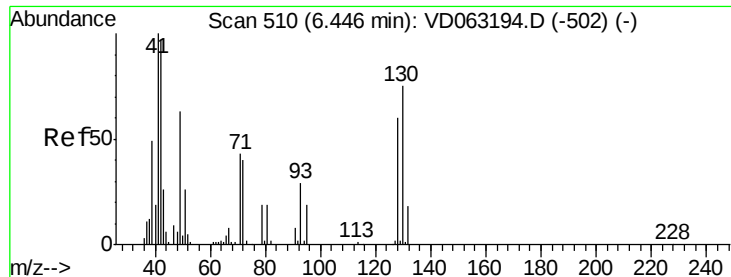


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 98.344 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS02

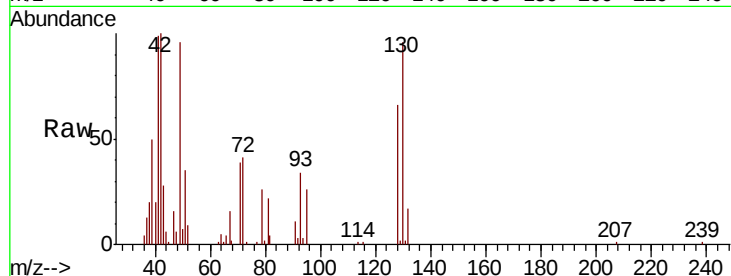
Tot Ion: 42 Resp: 98142

Ion Ratio Lower Upper

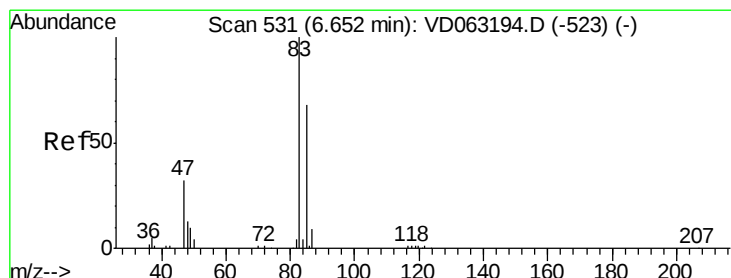
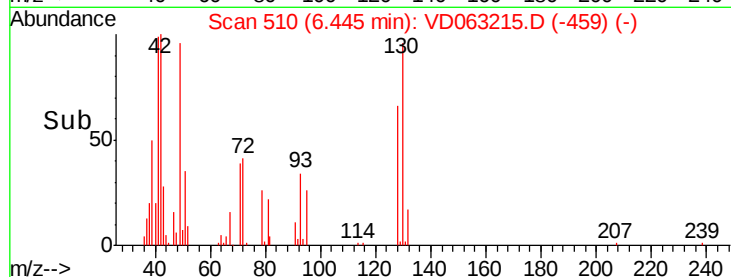
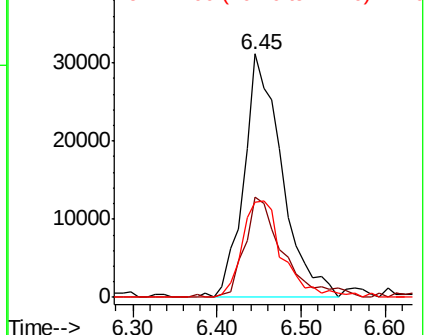
42 100

72 41.5 33.4 50.2

71 42.7 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: 21.736 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.00 min

Lab File: VD063215.D

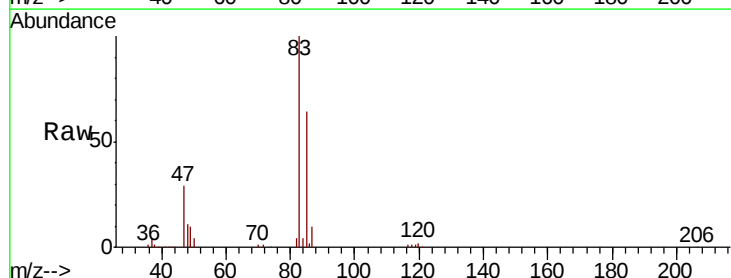
Acq: 30 Jul 2019 00:23

Tgt Ion: 83 Resp: 413223

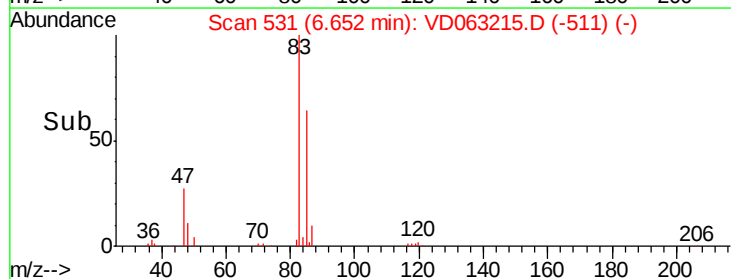
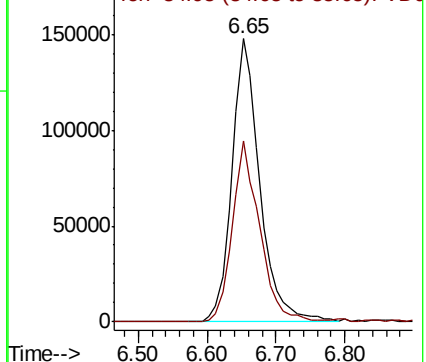
Ion Ratio Lower Upper

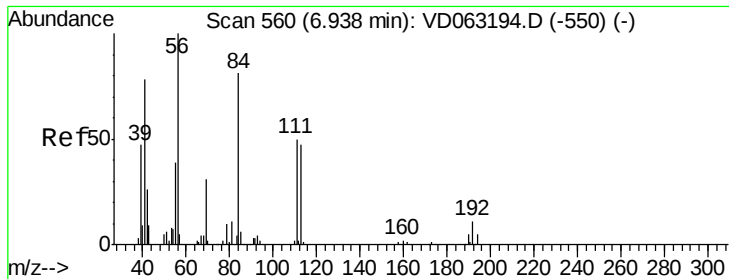
83 100

85 63.7 54.2 81.4



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

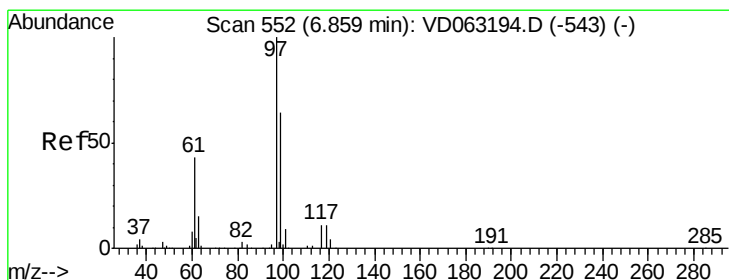
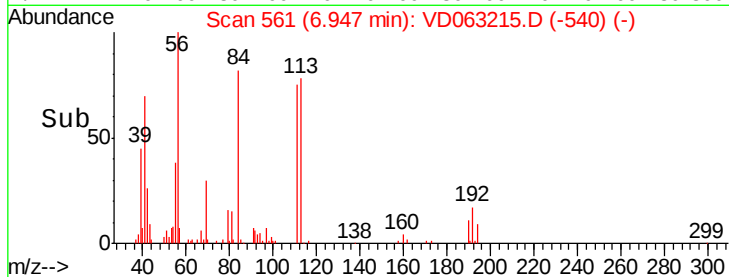
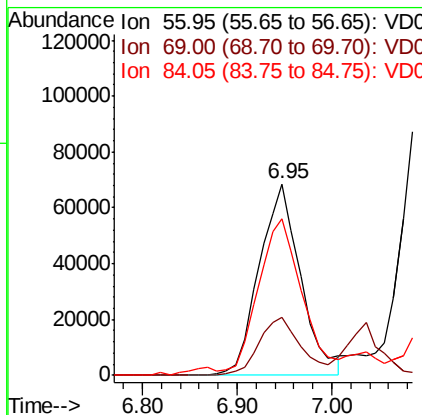
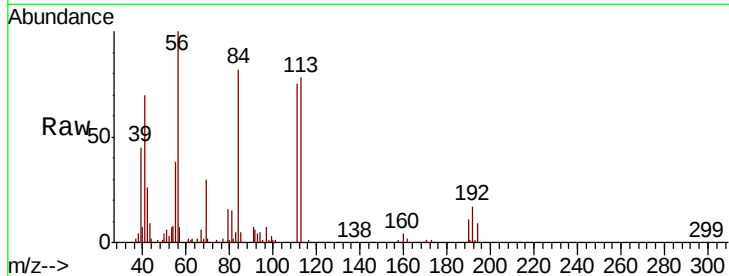




#31
Cyclohexane
Concen: 21.705 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD063215.D
Acq: 30 Jul 2019 00:23

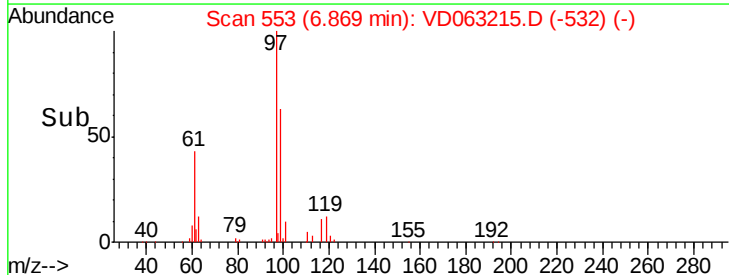
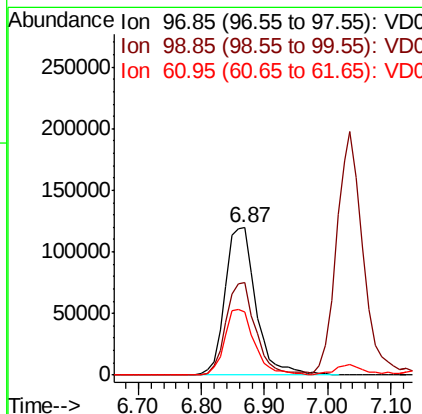
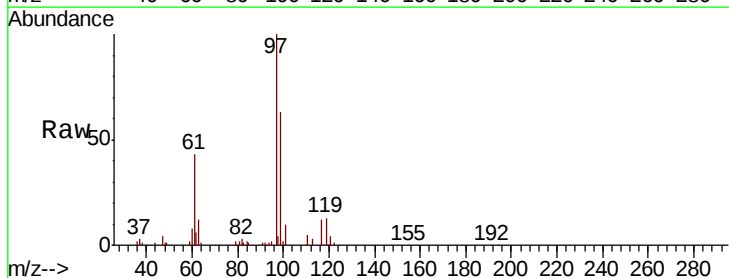
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBSD02

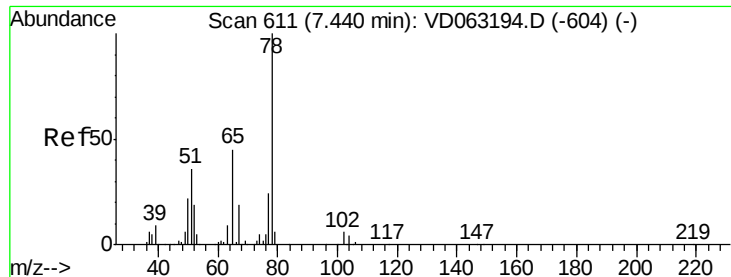
Tot Ion: 56 Resp: 208415
Ion Ratio Lower Upper
56 100
69 30.2 24.5 36.7
84 81.8 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 21.957 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.01 min
Lab File: VD063215.D
Acq: 30 Jul 2019 00:23

Tgt Ion: 97 Resp: 403762
Ion Ratio Lower Upper
97 100
99 63.2 51.2 76.8
61 43.2 34.2 51.2

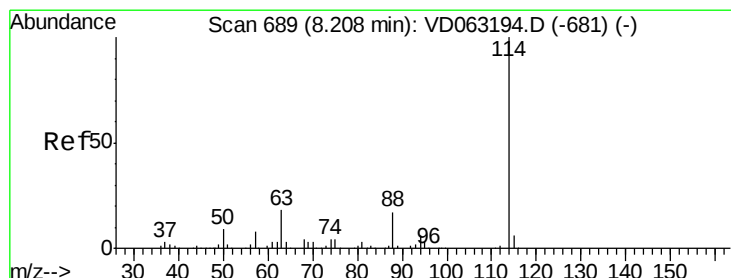
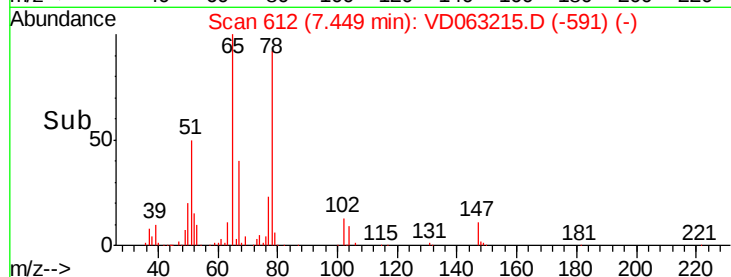
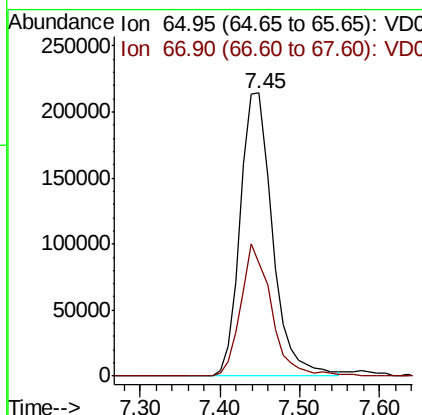
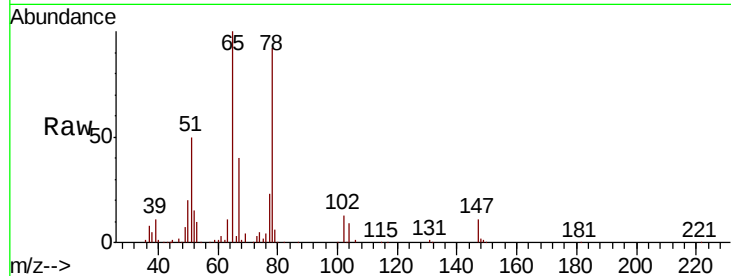




#33
 1,2-Dichloroethane-d4
 Concen: 55.950 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD063215.D
 Acq: 30 Jul 2019 00:23

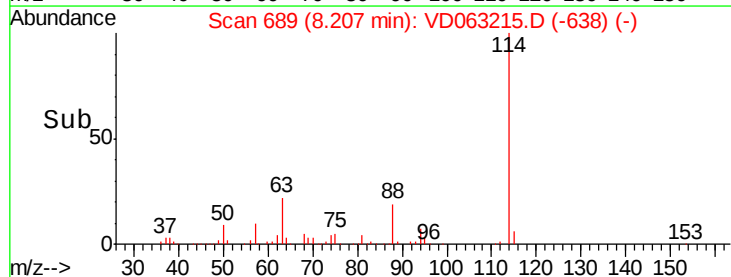
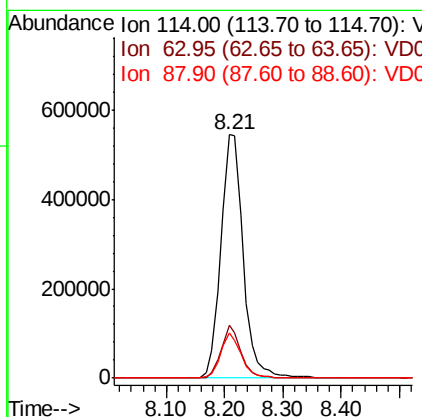
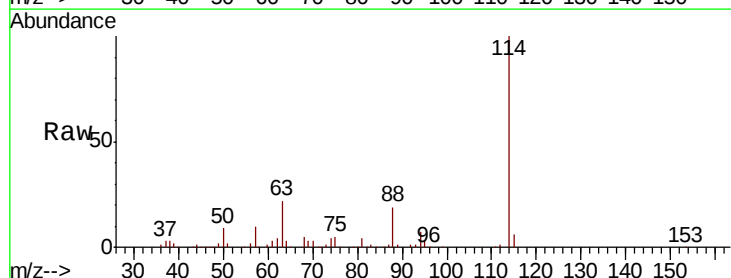
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBSD02

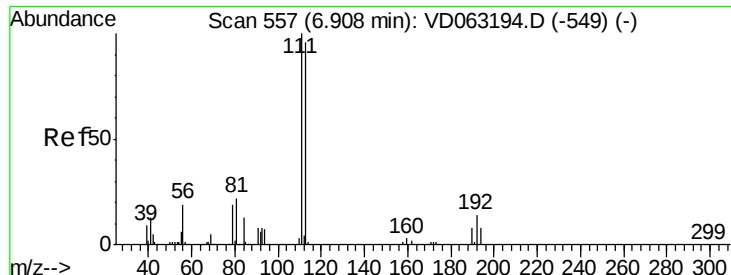
Tot Ion: 65 Resp: 603115
 Ion Ratio Lower Upper
 65 100
 67 40.0 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VD063215.D
 Acq: 30 Jul 2019 00:23

Tgt Ion: 114 Resp: 1449216
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 35.2
 88 18.7 0.0 34.6

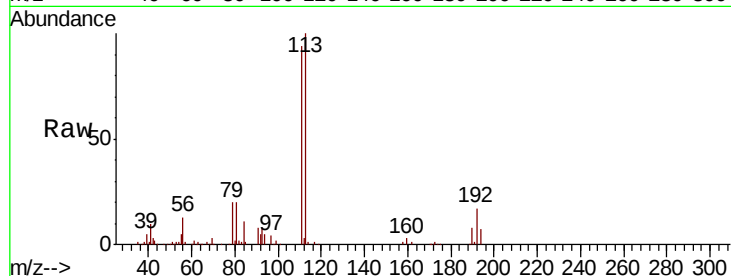




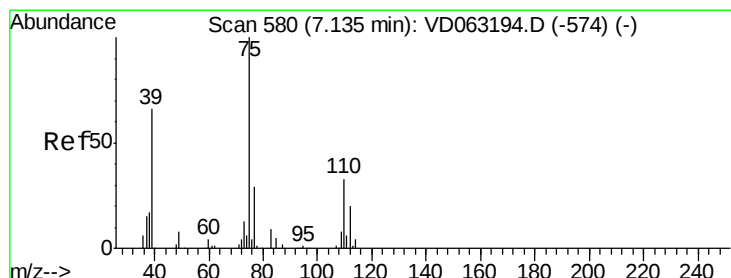
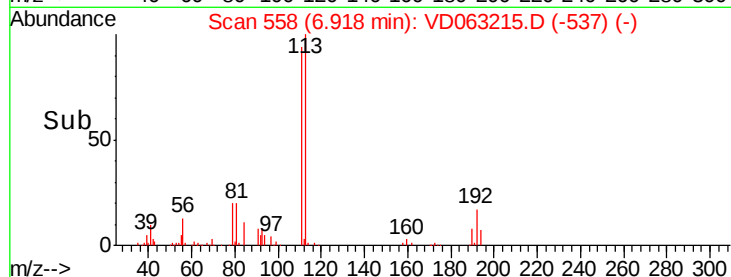
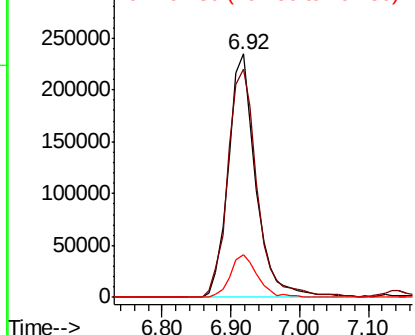
#35
 Dibromofluoromethane
 Concen: 52.431 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063215.D
 Acq: 30 Jul 2019 00:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBSD02

Tot Ion	Ratio	Lower	Upper
113	100		
111	93.9	83.2	124.8
192	17.4	11.8	17.8

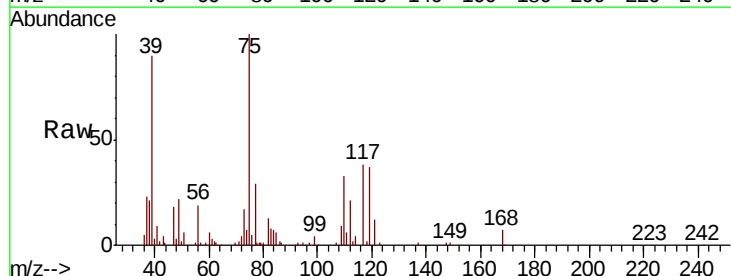


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

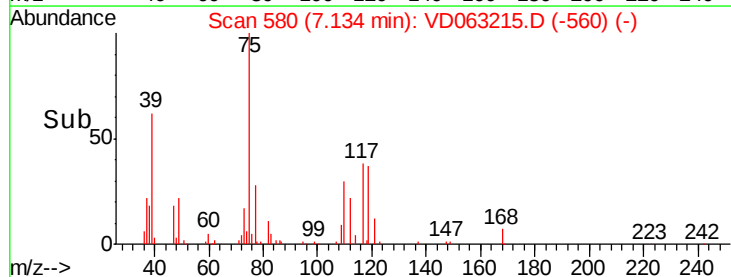
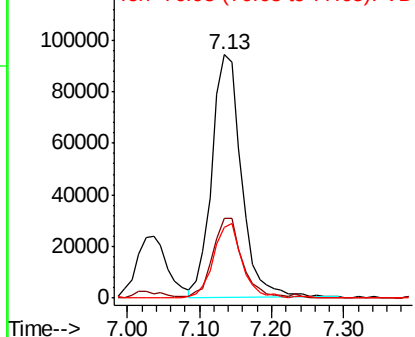


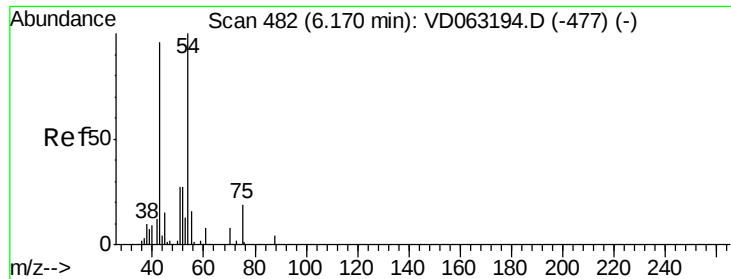
#36
 1,1-Dichloropropene
 Concen: 20.132 ug/l
 RT: 7.13 min Scan# 580
 Delta R.T. -0.00 min
 Lab File: VD063215.D
 Acq: 30 Jul 2019 00:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.1	48.2
77	29.1	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

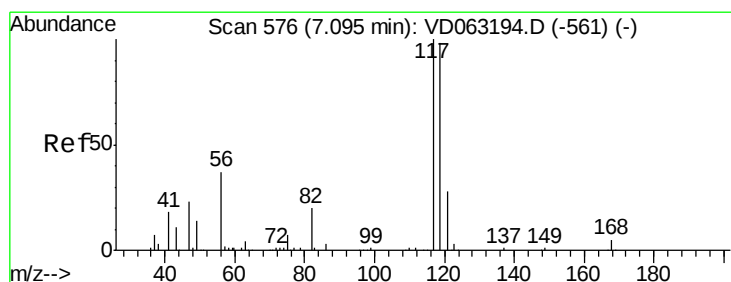
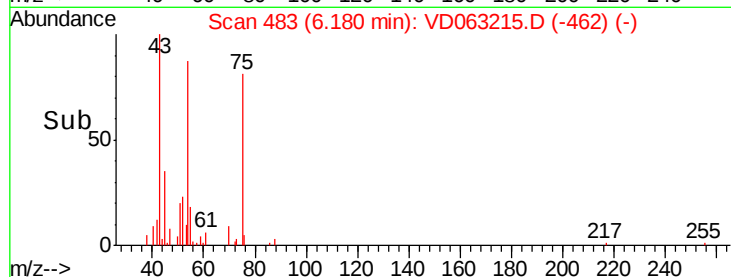
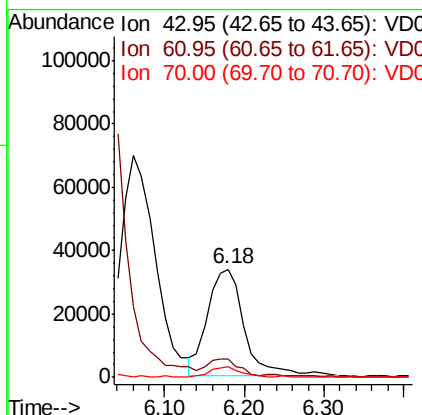
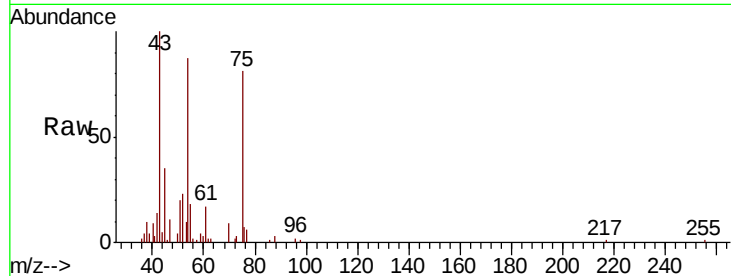




#37
Ethyl Acetate
Concen: 18.054 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD063215.D
Acq: 30 Jul 2019 00:23

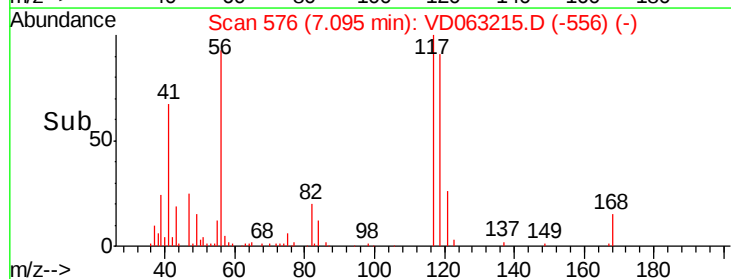
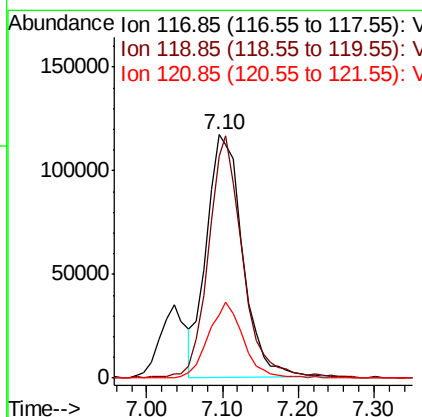
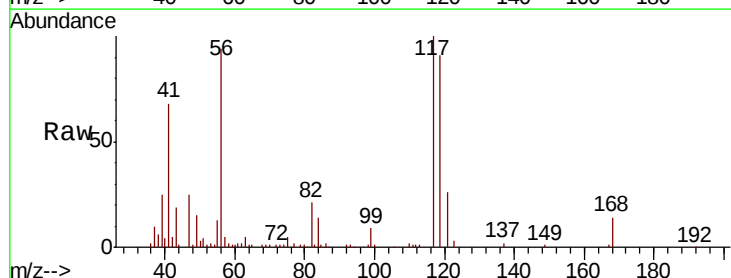
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBSD02

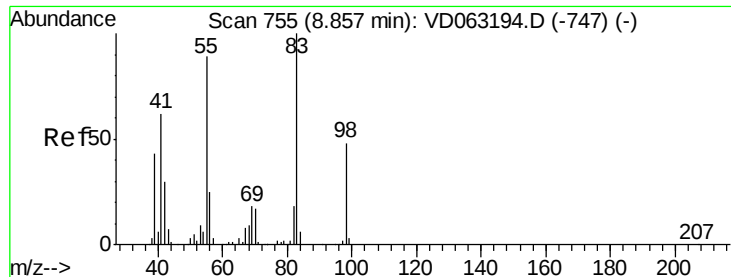
Tot Ion: 43 Resp: 107273
Ion Ratio Lower Upper
43 100
61 17.2 11.3 16.9#
70 9.4 5.1 7.7#



#38
Carbon Tetrachloride
Concen: 19.557 ug/l
RT: 7.10 min Scan# 576
Delta R.T. -0.00 min
Lab File: VD063215.D
Acq: 30 Jul 2019 00:23

Tgt Ion: 117 Resp: 389407
Ion Ratio Lower Upper
117 100
119 91.3 78.2 117.2
121 25.9 22.1 33.1

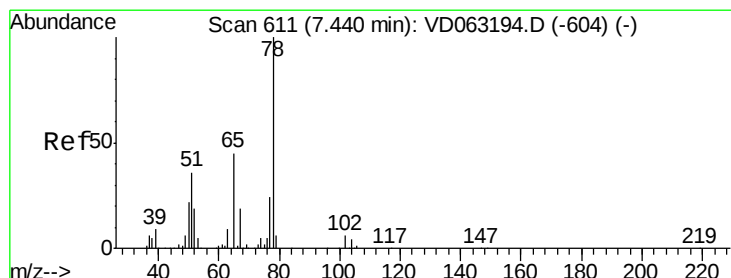
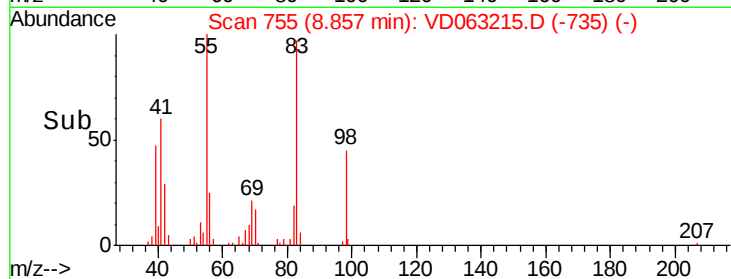
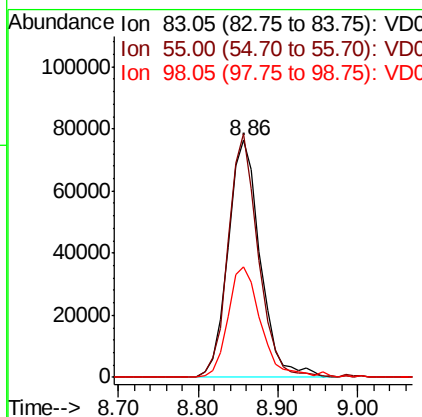
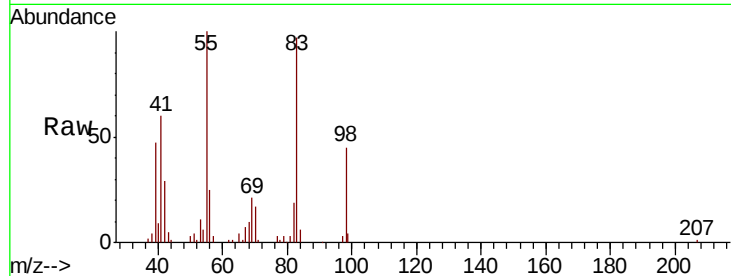




#39
Methvlcvclohexane
Concen: 19.580 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.00 min
Lab File: VD063215.D
Acq: 30 Jul 2019 00:23

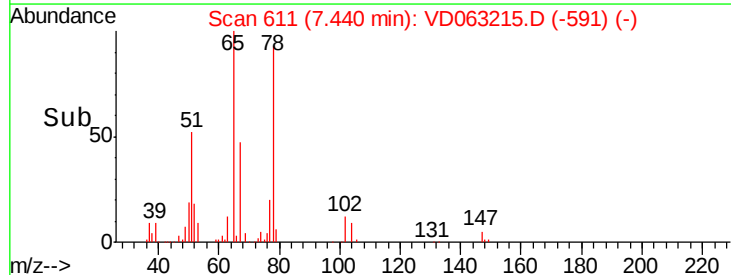
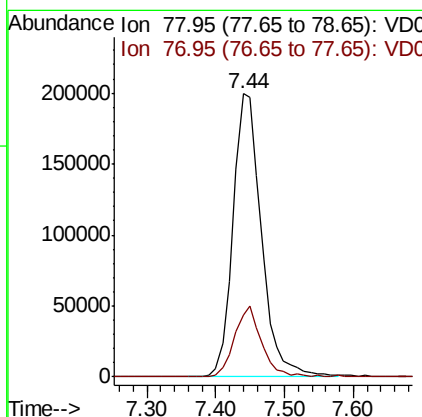
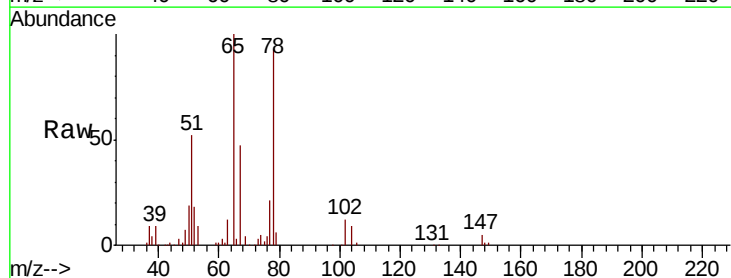
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBSD02

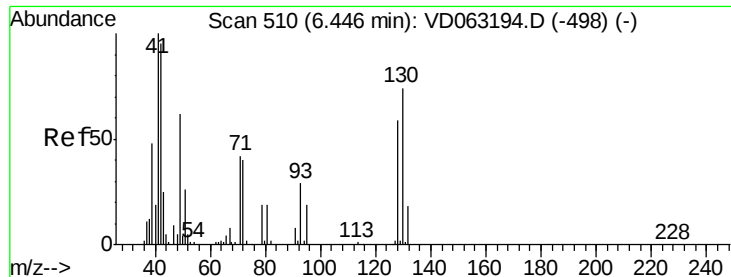
Tot Ion: 83 Resp: 215757
Ion Ratio Lower Upper
83 100
55 102.7 71.1 106.7
98 46.6 38.5 57.7



#40
Benzene
Concen: 20.529 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.00 min
Lab File: VD063215.D
Acq: 30 Jul 2019 00:23

Tgt Ion: 78 Resp: 569033
Ion Ratio Lower Upper
78 100
77 22.1 19.4 29.2

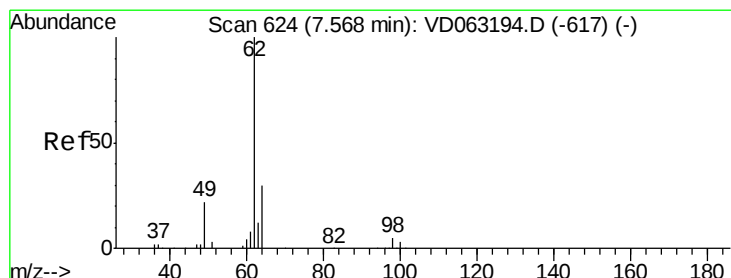
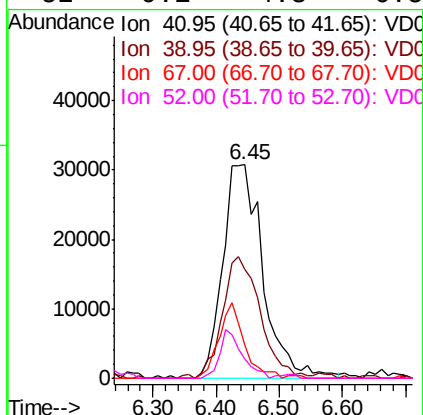
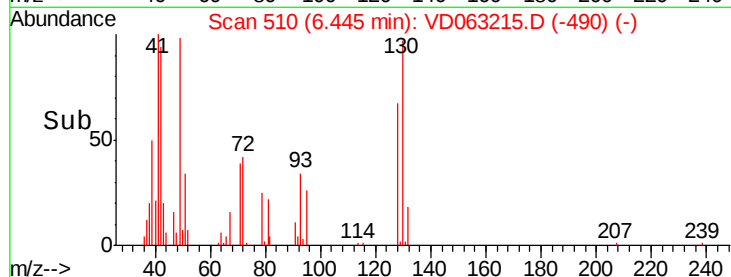
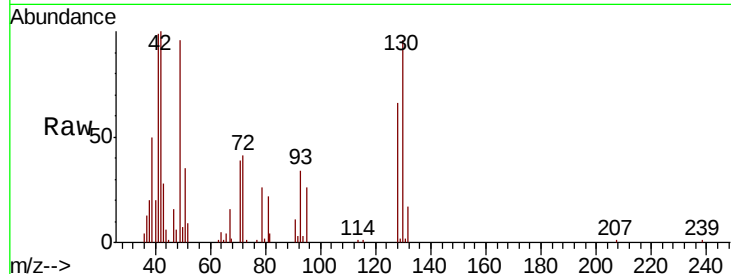




#41
Methacrylonitrile
Concen: 18.984 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD063215.D
Acq: 30 Jul 2019 00:23

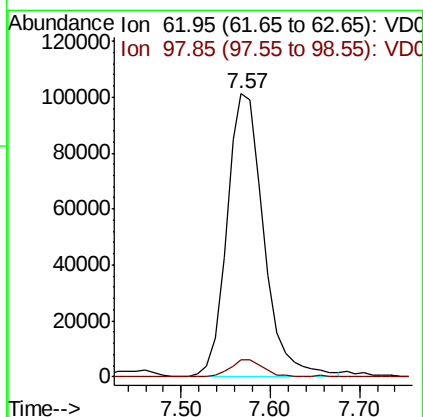
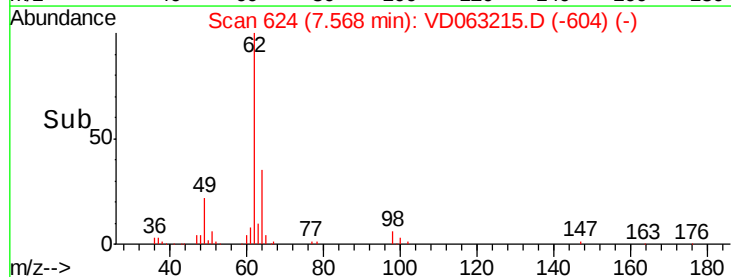
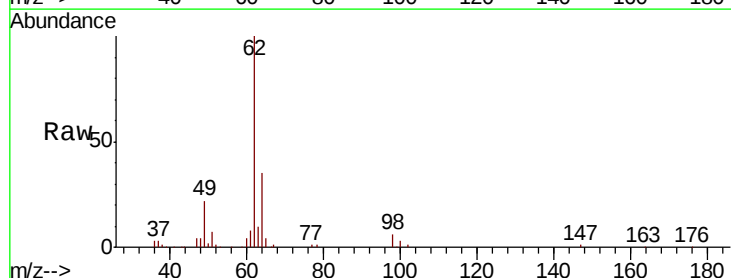
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS02

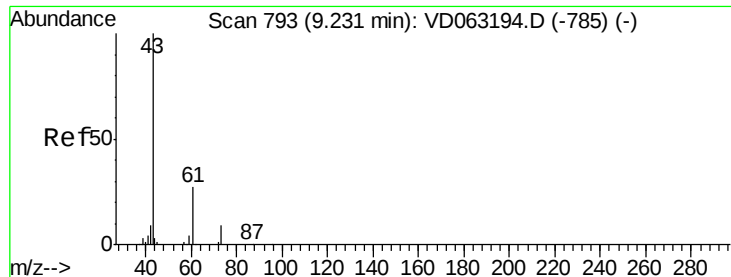
Tot Ion: 41 Resp: 134933
Ion Ratio Lower Upper
41 100
39 51.1 38.4 57.6
67 15.8 6.7 10.1#
52 9.1 4.3 6.5#



#42
1,2-Dichloroethane
Concen: 19.835 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.00 min
Lab File: VD063215.D
Acq: 30 Jul 2019 00:23

Tgt Ion: 62 Resp: 291385
Ion Ratio Lower Upper
62 100
98 6.1 0.0 9.8





#43

Isopropyl Acetate

Concen: 19.299 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS02

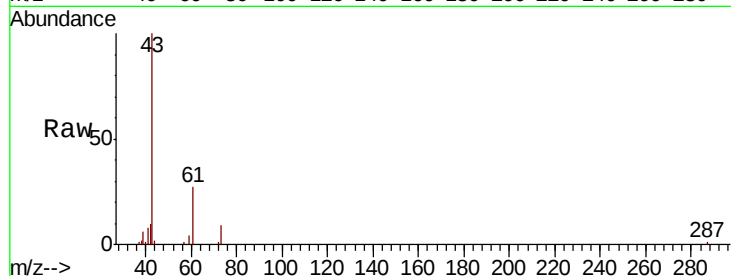
Tot Ion: 43 Resp: 146478

Ion Ratio Lower Upper

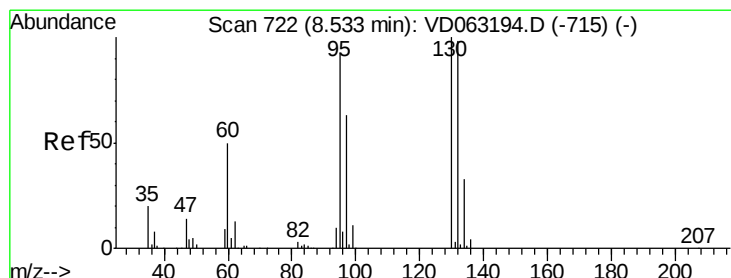
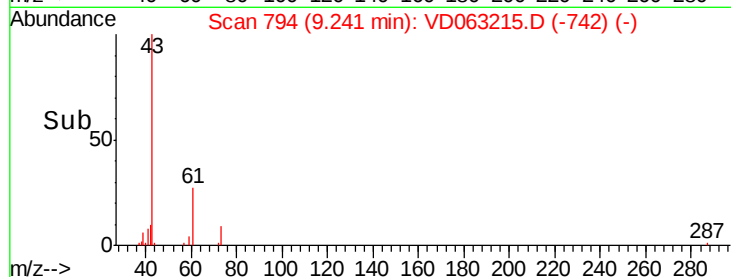
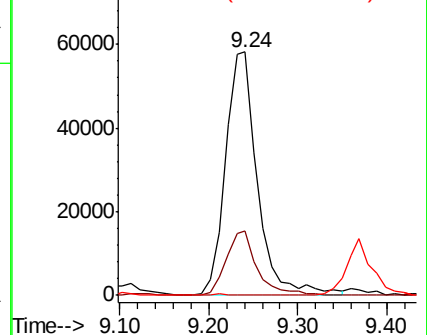
43 100

61 26.6 21.4 32.0

87 0.0 0.2 0.4#



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



#44

Trichloroethene

Concen: 19.303 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.00 min

Lab File: VD063215.D

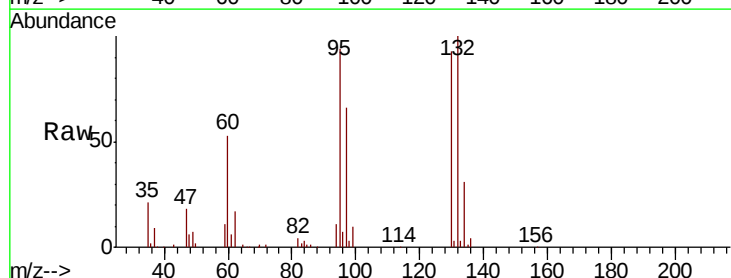
Acq: 30 Jul 2019 00:23

Tgt Ion:130 Resp: 216817

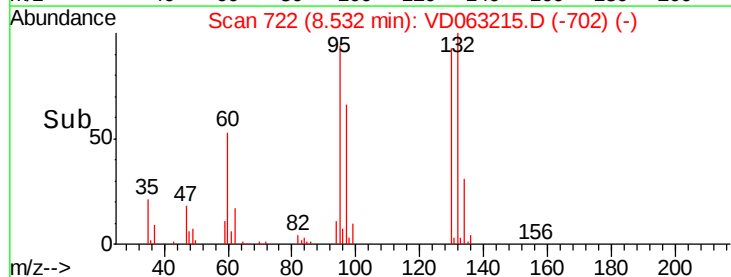
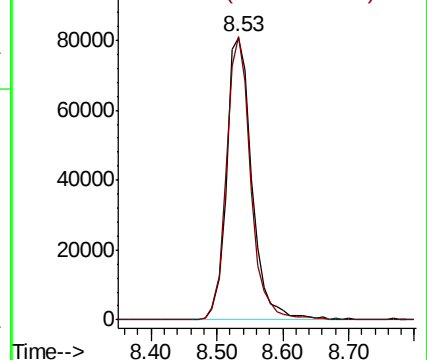
Ion Ratio Lower Upper

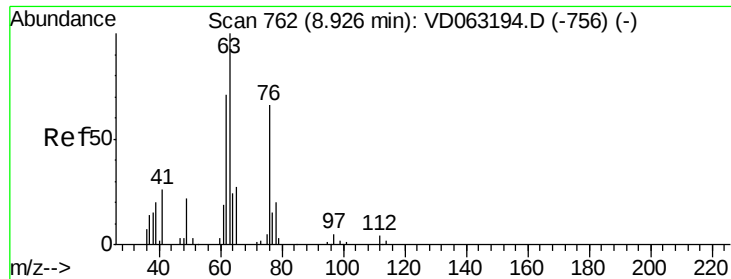
130 100

95 100.2 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: 20.466 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

Instrument :

MSVOA_D

ClientSampleId :

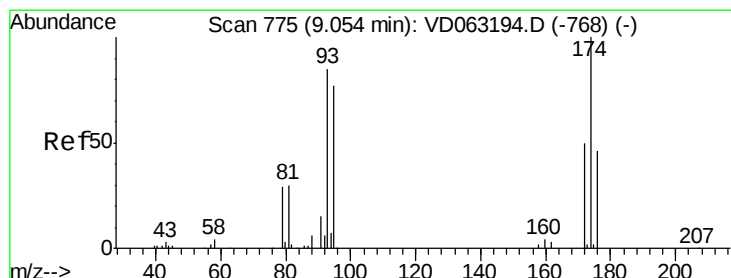
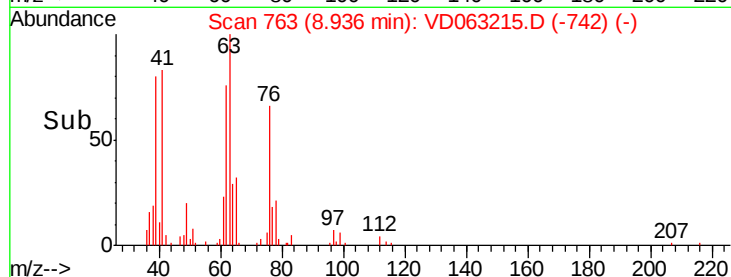
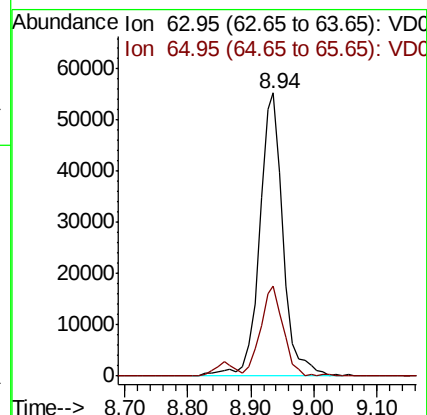
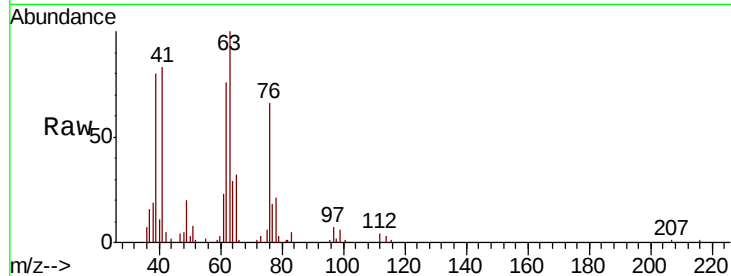
VD0729SBSD02

Tot Ion: 63 Resp: 144195

Ion Ratio Lower Upper

63 100

65 32.0 23.6 35.4



#46

Dibromomethane

Concen: 18.674 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.00 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

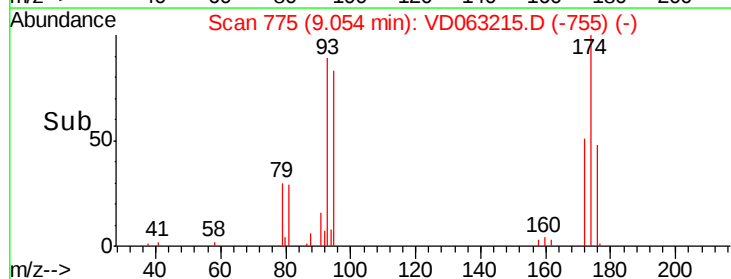
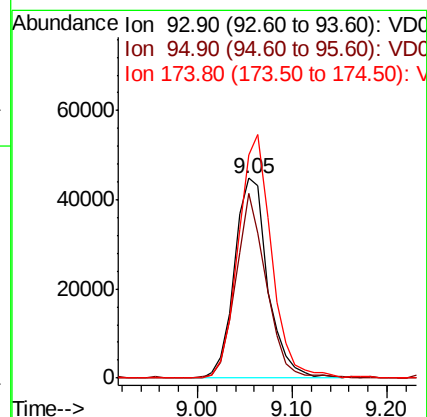
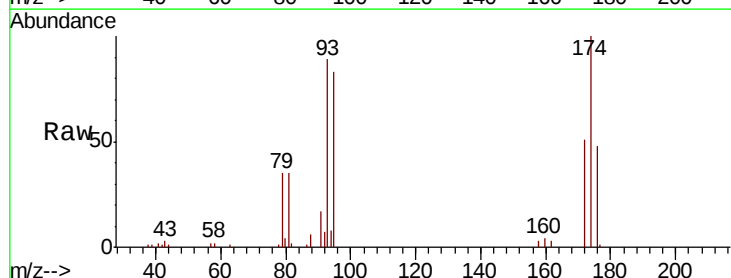
Tgt Ion: 93 Resp: 109397

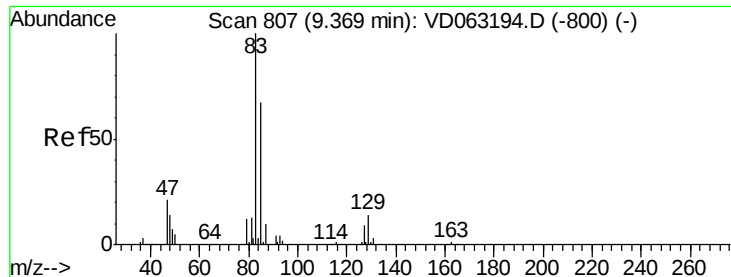
Ion Ratio Lower Upper

93 100

95 92.7 72.8 109.2

174 112.0 94.4 141.6





#47

Bromodichloromethane

Concen: 20.526 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS02

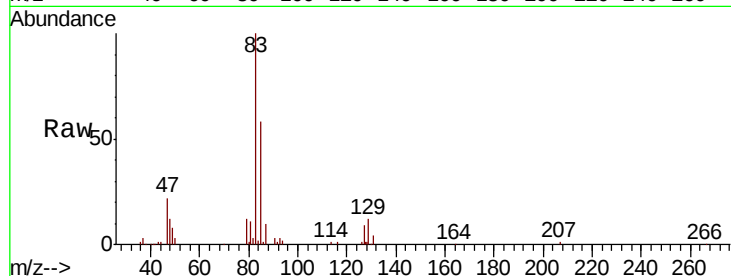
Tot Ion: 83 Resp: 306515

Ion Ratio Lower Upper

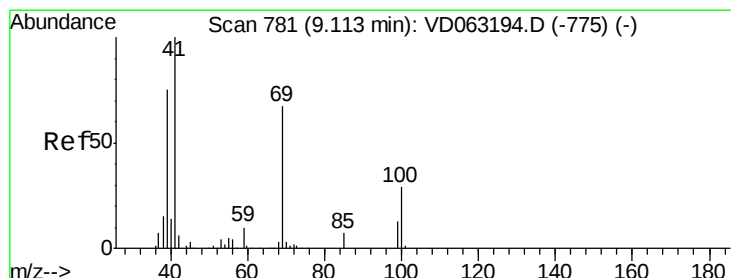
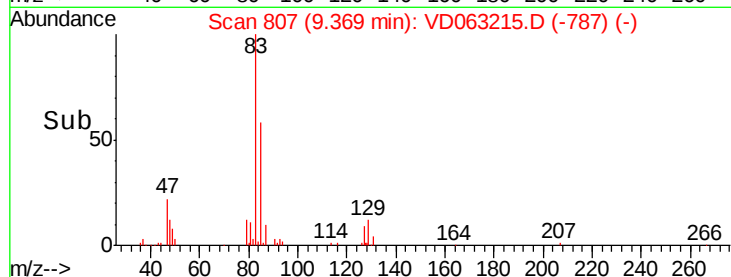
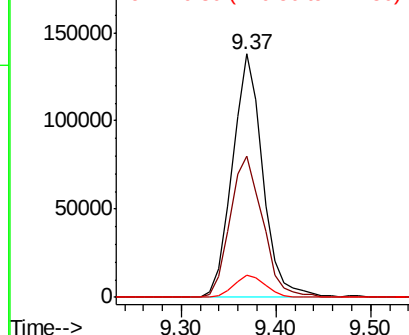
83 100

85 57.8 53.6 80.4

127 9.3 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: 20.725 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

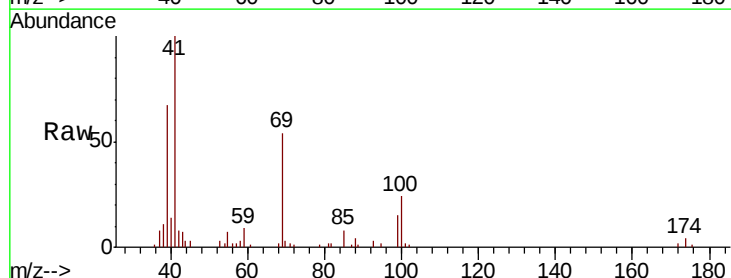
Tgt Ion: 41 Resp: 102022

Ion Ratio Lower Upper

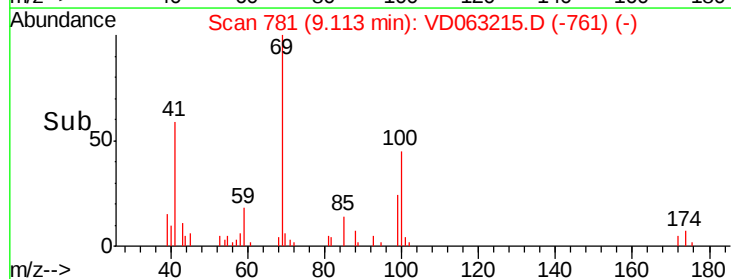
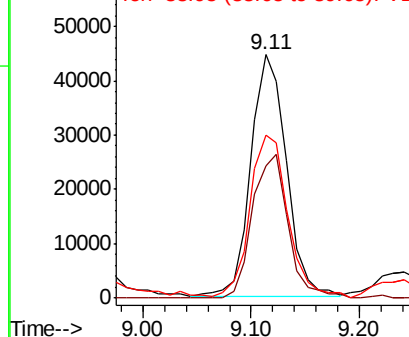
41 100

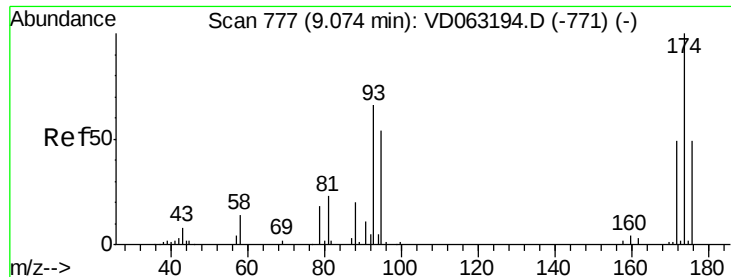
69 54.3 53.4 80.0

39 66.8 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

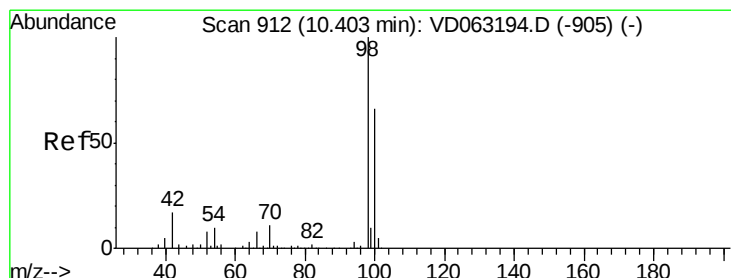
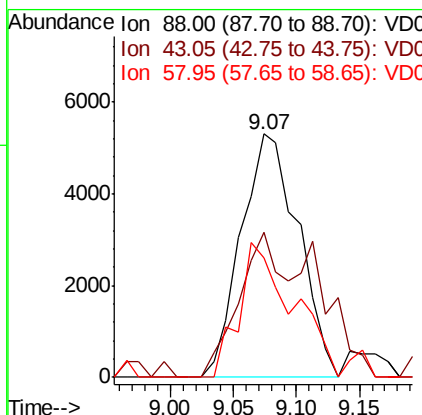
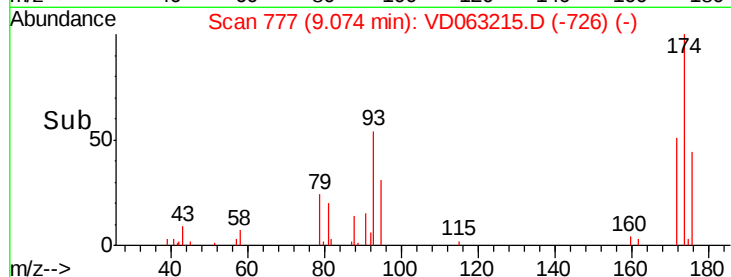
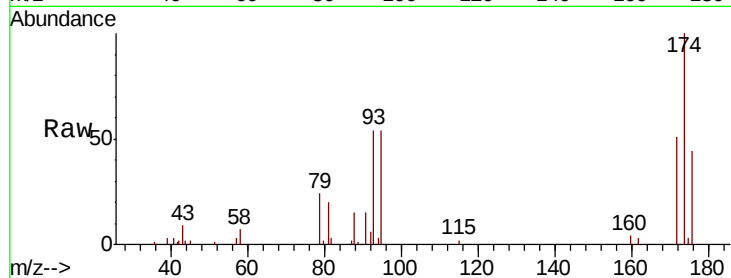




#49
1,4-Dioxane
Concen: 398.550 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD063215.D
Acq: 30 Jul 2019 00:23

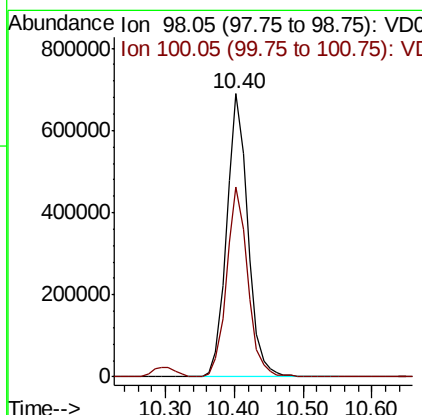
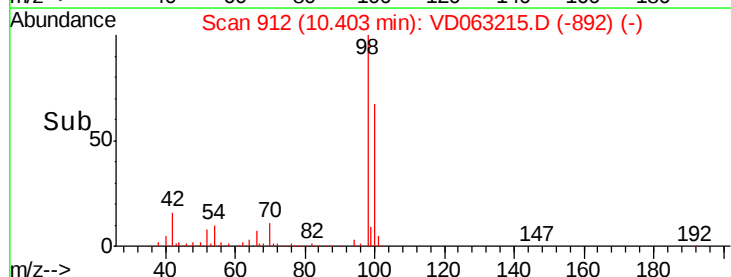
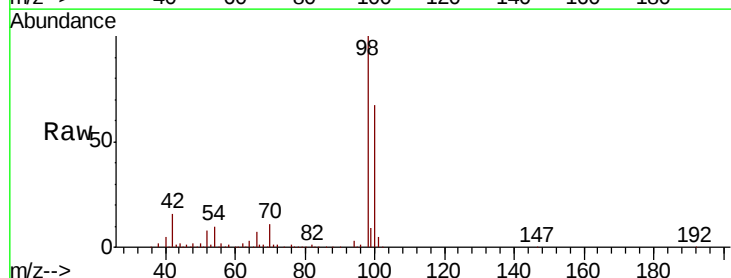
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS02

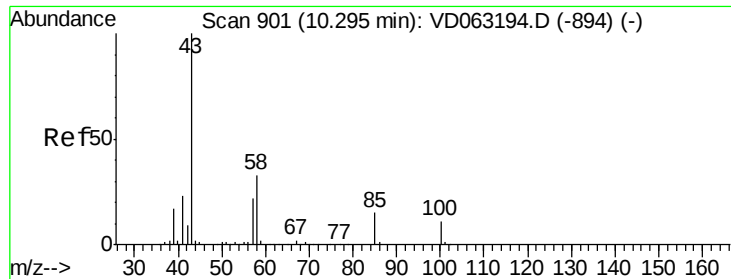
Tot Ion: 88 Resp: 16723
Ion Ratio Lower Upper
88 100
43 59.4 30.7 46.1#
58 49.2 56.5 84.7#



#50
Toluene-d8
Concen: 53.037 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD063215.D
Acq: 30 Jul 2019 00:23

Tgt Ion: 98 Resp: 1468657
Ion Ratio Lower Upper
98 100
100 67.3 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 102.356 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

Instrument :

MSVOA_D

ClientSampleId :

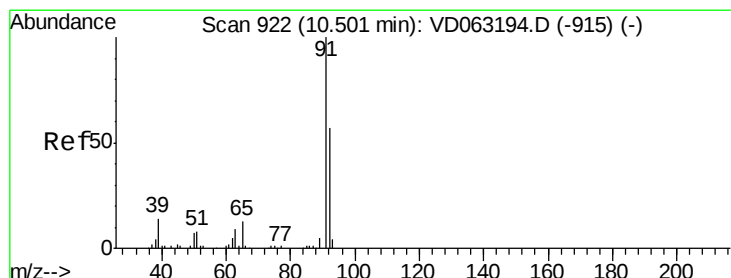
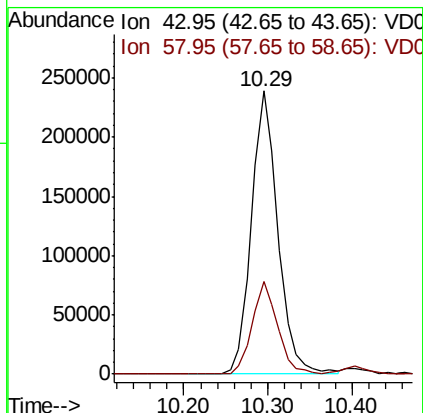
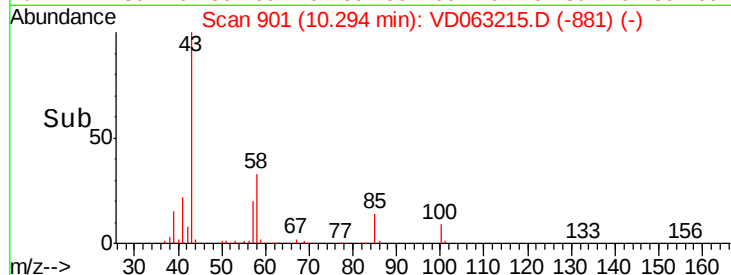
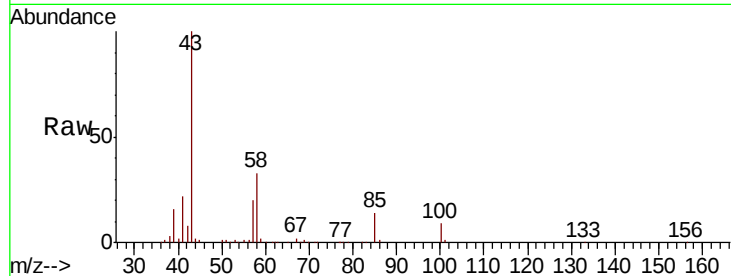
VD0729SBS02

Tot Ion: 43 Resp: 528355

Ion Ratio Lower Upper

43 100

58 32.7 26.2 39.2



#52

Toluene

Concen: 19.555 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD063215.D

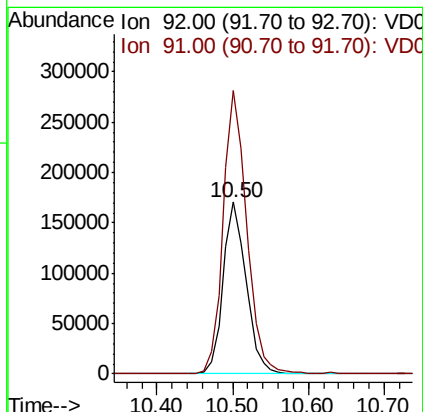
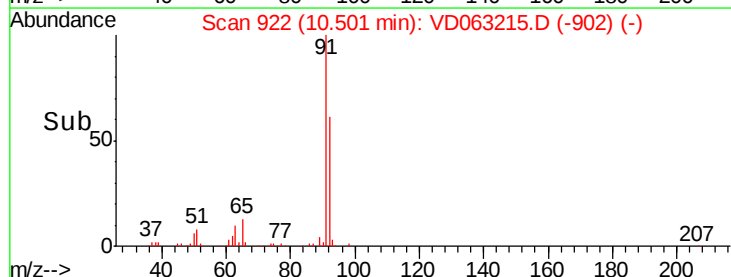
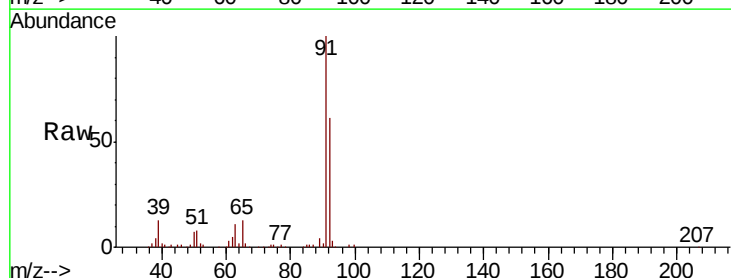
Acq: 30 Jul 2019 00:23

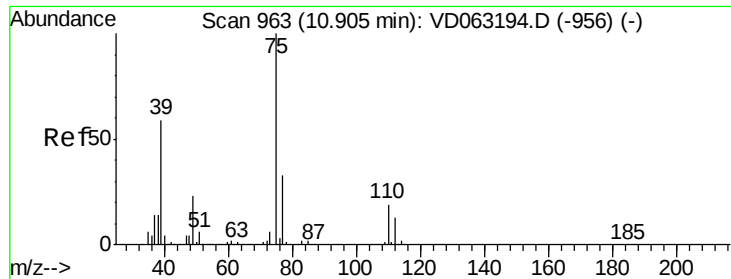
Tgt Ion: 92 Resp: 360510

Ion Ratio Lower Upper

92 100

91 164.8 140.8 211.2

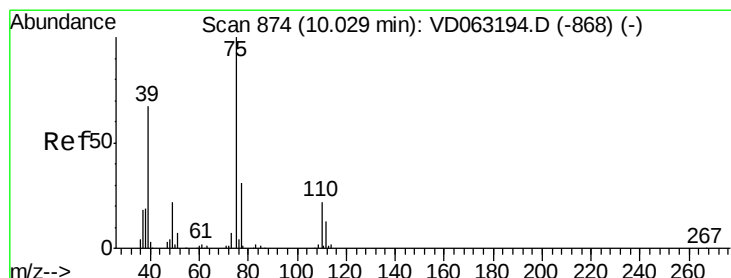
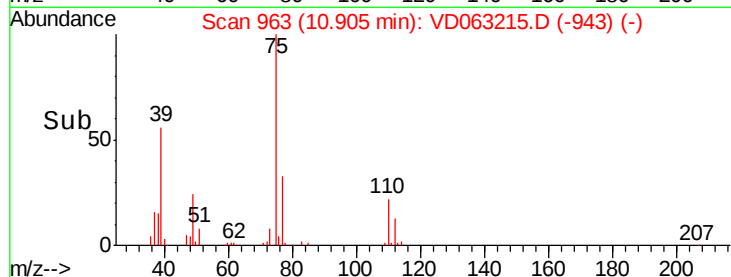
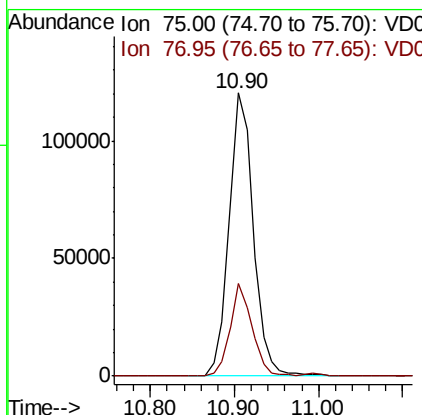
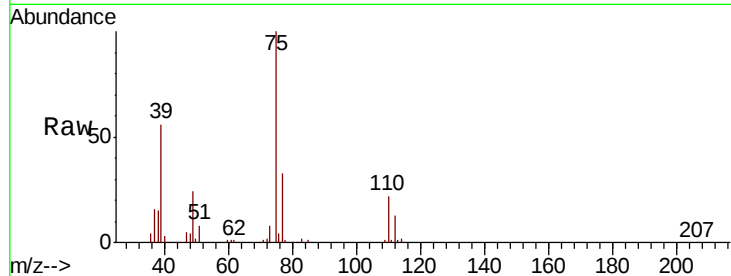




#53
 t-1,3-Dichloropropene
 Concen: 18.793 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: VD063215.D
 Acq: 30 Jul 2019 00:23

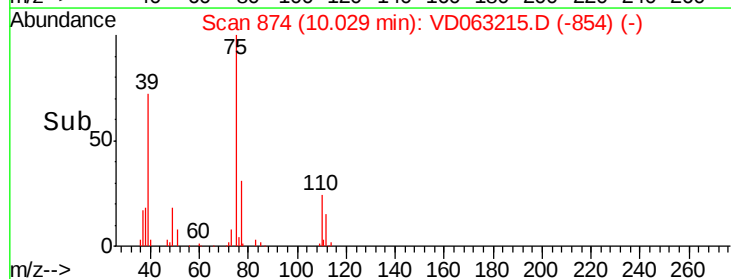
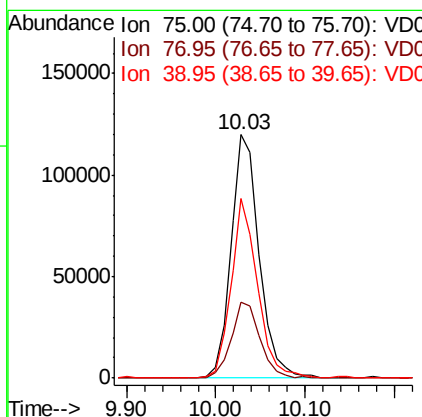
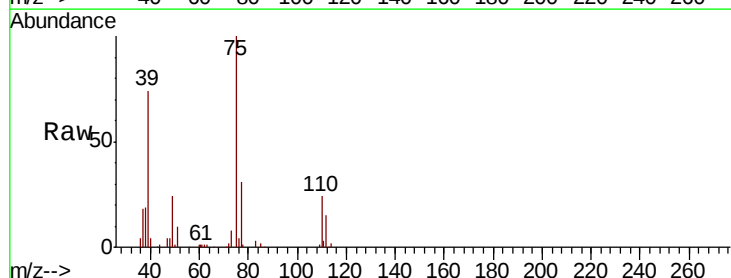
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBSD02

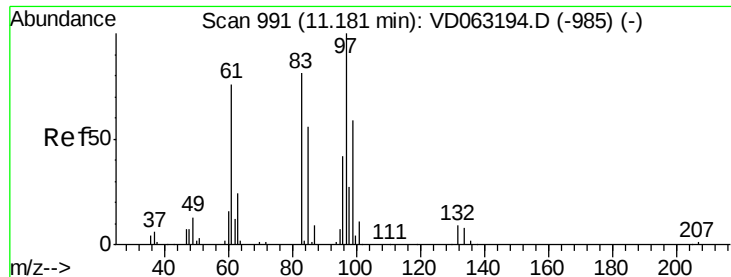
Tot Ion: 75 Resp: 241947
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.6 40.0



#54
 cis-1,3-Dichloropropene
 Concen: 19.563 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VD063215.D
 Acq: 30 Jul 2019 00:23

Tgt Ion: 75 Resp: 264706
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.9 37.3
 39 73.9 53.9 80.9

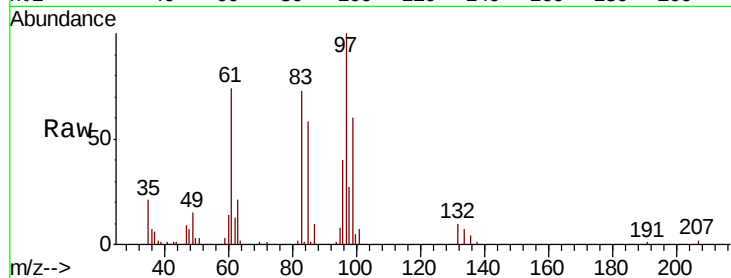




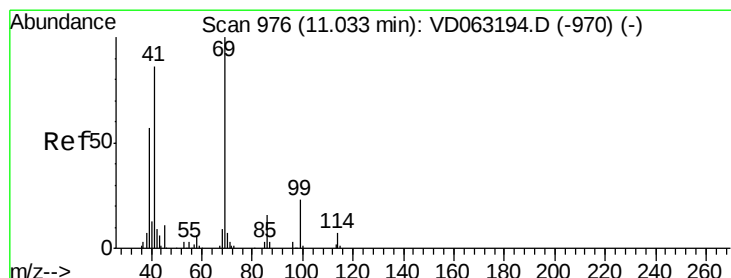
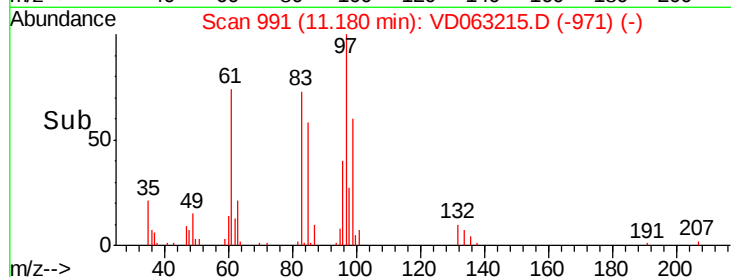
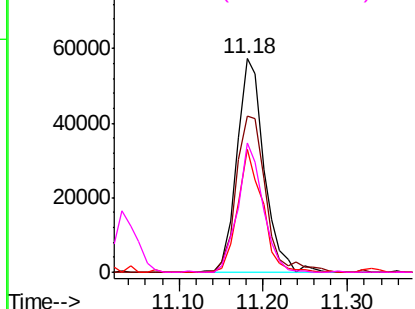
#55
 1,1,2-Trichloroethane
 Concen: 20.693 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VD063215.D
 Acq: 30 Jul 2019 00:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBSD02

Tot Ion: 97 Resp: 128841
 Ion Ratio Lower Upper
 97 100
 83 73.1 64.8 97.2
 85 57.8 44.9 67.3
 99 60.3 47.2 70.8

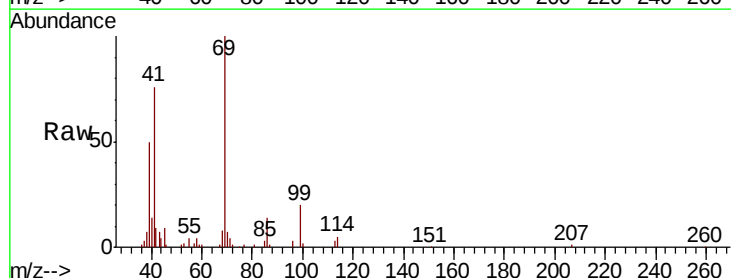


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

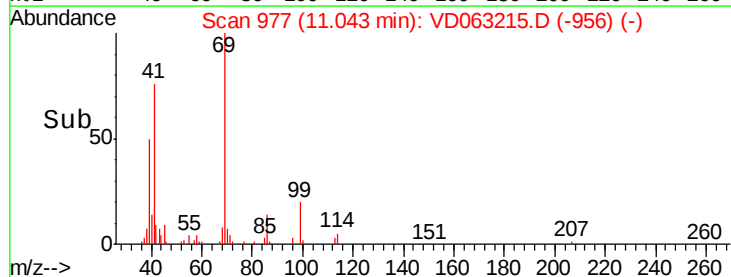
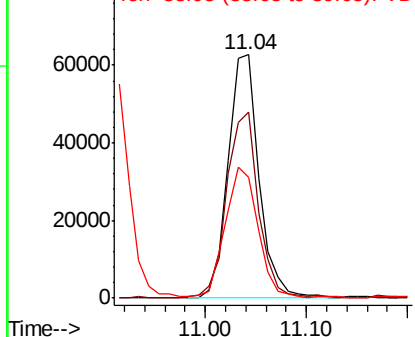


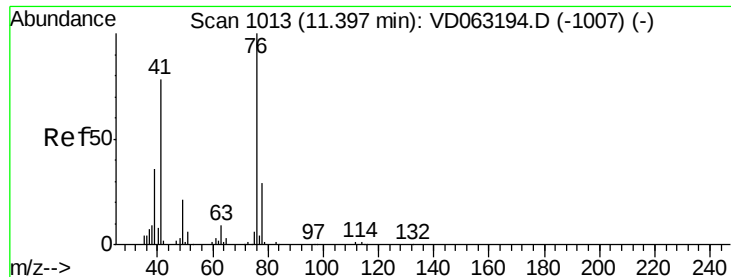
#56
 Ethyl methacrylate
 Concen: 19.563 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VD063215.D
 Acq: 30 Jul 2019 00:23

Tgt Ion: 69 Resp: 133384
 Ion Ratio Lower Upper
 69 100
 41 76.4 68.8 103.2
 39 49.6 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: 19.314 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

Instrument :

MSVOA_D

ClientSampleId :

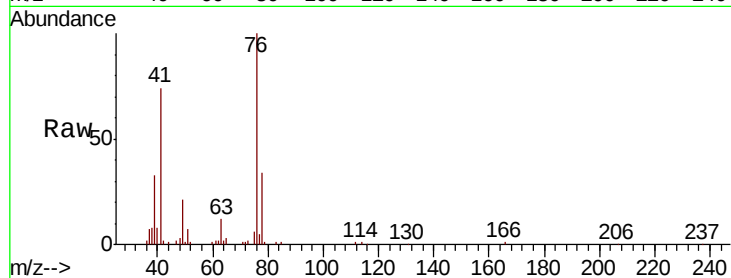
VD0729SBS02

Tot Ion: 76 Resp: 189476

Ion Ratio Lower Upper

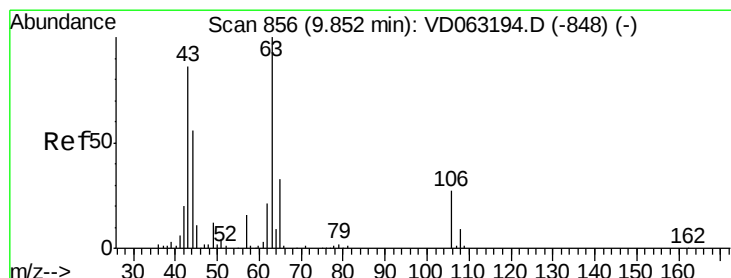
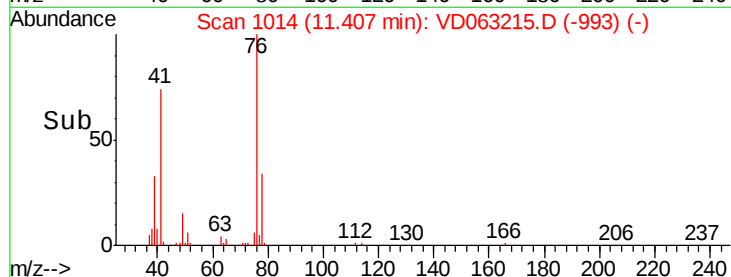
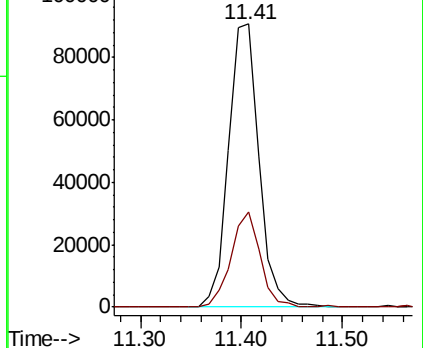
76 100

78 33.6 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 96.516 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.00 min

Lab File: VD063215.D

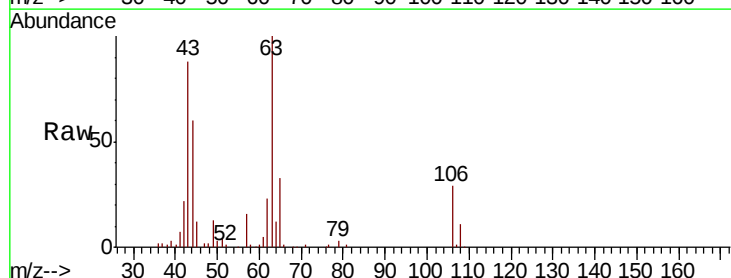
Acq: 30 Jul 2019 00:23

Tgt Ion: 63 Resp: 342414

Ion Ratio Lower Upper

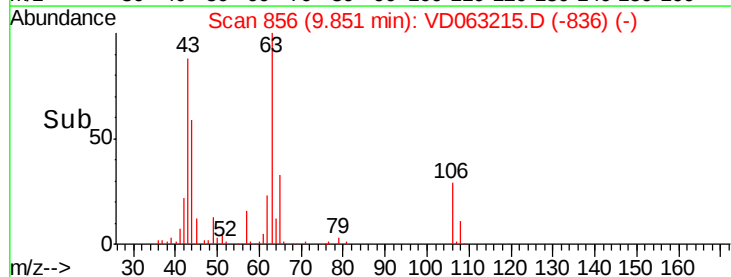
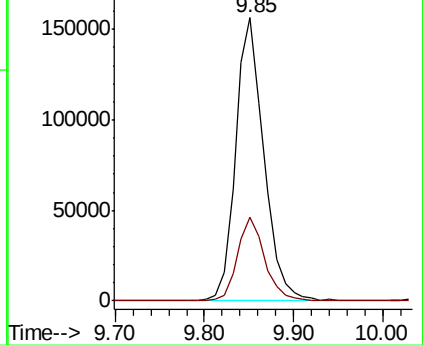
63 100

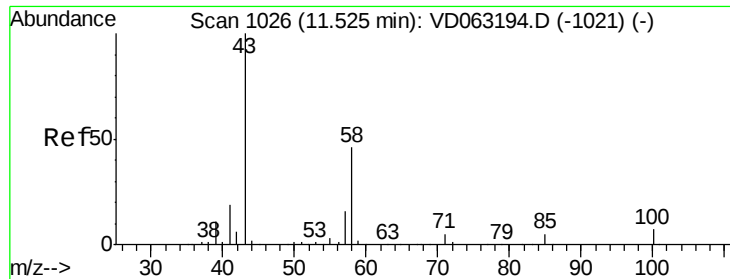
106 29.4 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

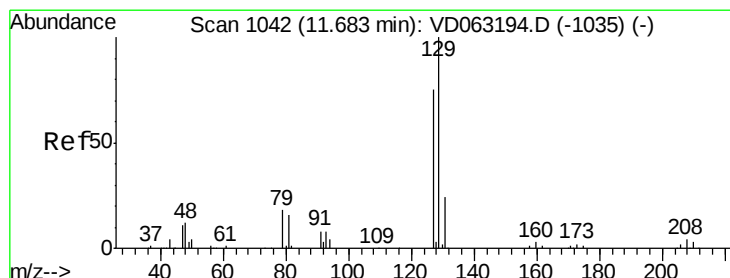
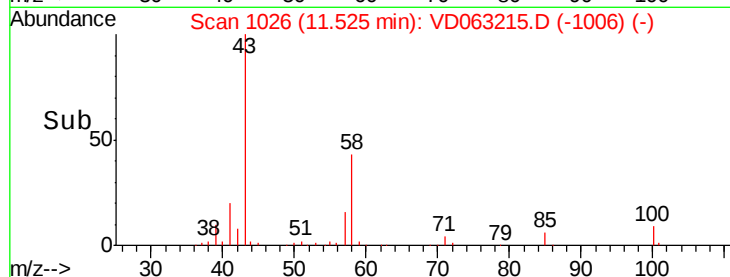
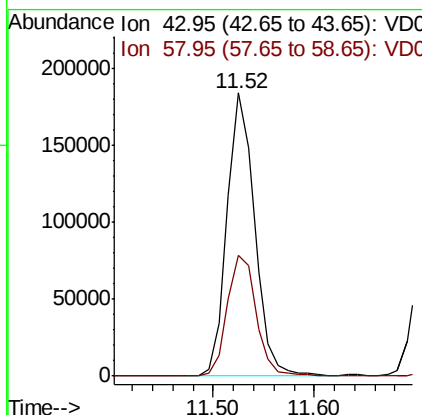
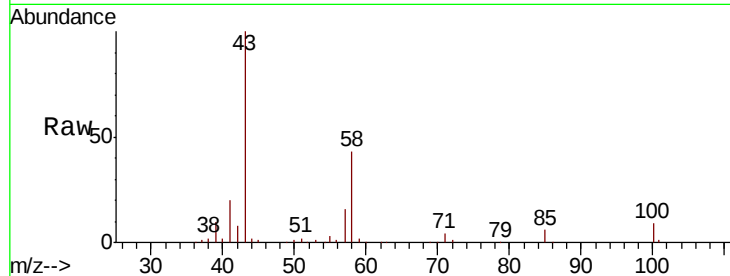




#59
2-Hexanone
Concen: 94.581 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD063215.D
Acq: 30 Jul 2019 00:23

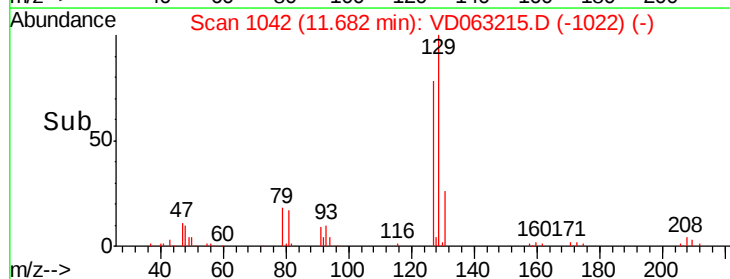
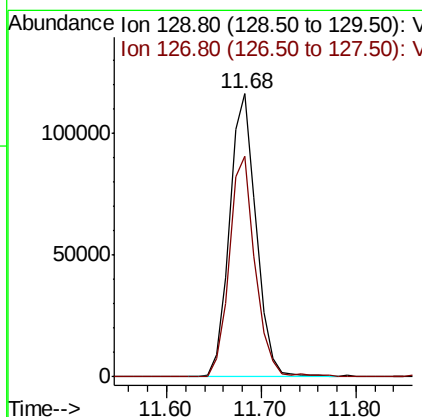
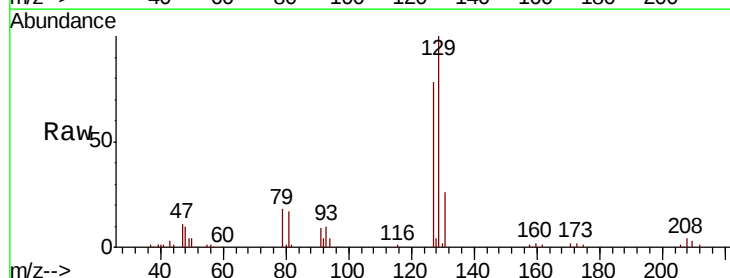
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS02

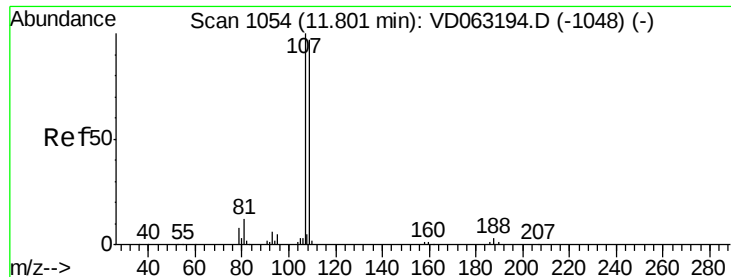
Tot Ion: 43 Resp: 351830
Ion Ratio Lower Upper
43 100
58 42.6 22.9 68.5



#60
Dibromochloromethane
Concen: 19.227 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD063215.D
Acq: 30 Jul 2019 00:23

Tgt Ion:129 Resp: 226003
Ion Ratio Lower Upper
129 100
127 77.9 37.6 112.8





#61

1,2-Dibromoethane

Concen: 20.254 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

Instrument :

MSVOA_D

ClientSampleId :

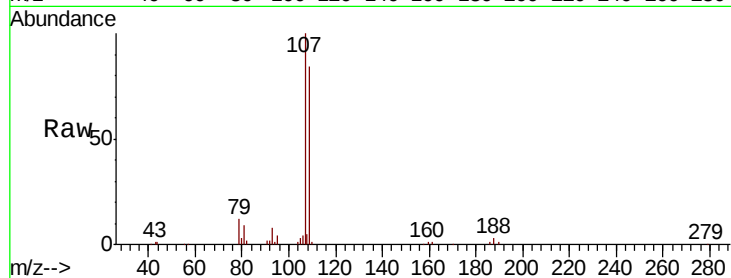
VD0729SBSD02

Tot Ion:107 Resp: 155615

Ion Ratio Lower Upper

107 100

109 83.7 77.5 116.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.80

80000

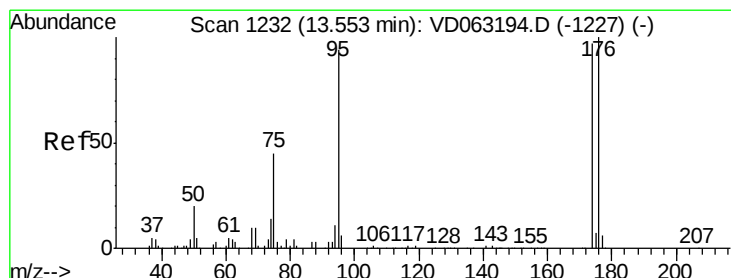
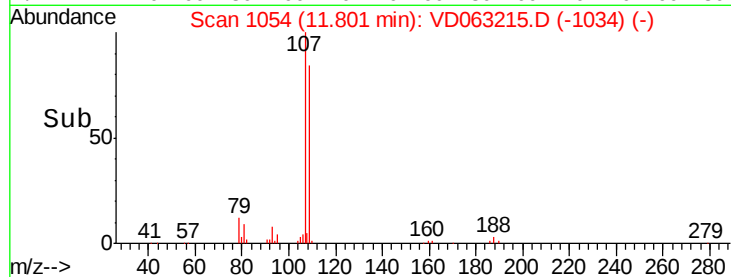
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.290 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

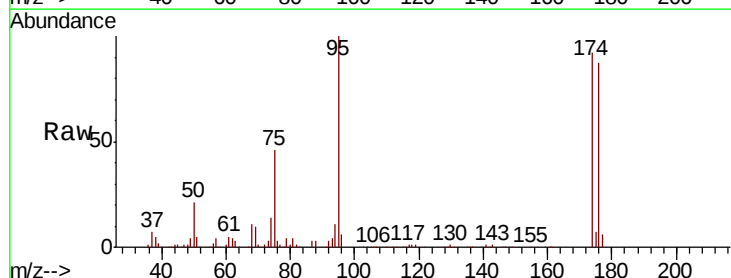
Tgt Ion: 95 Resp: 621976

Ion Ratio Lower Upper

95 100

174 91.7 0.0 205.4

176 87.4 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

600000

500000

400000

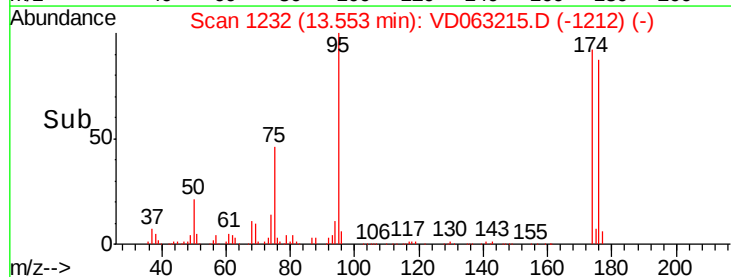
300000

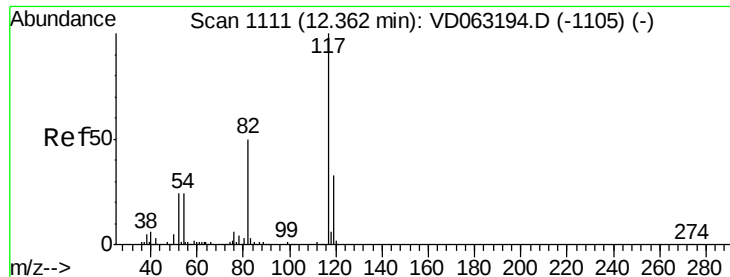
200000

100000

0

Time-->

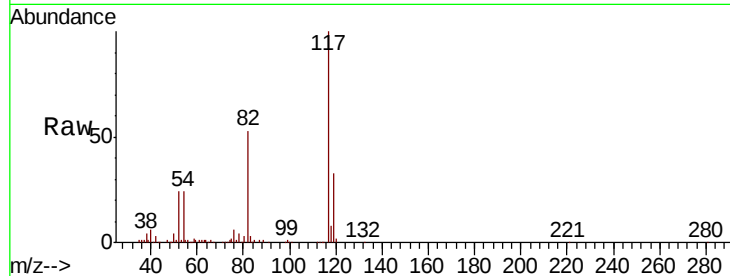




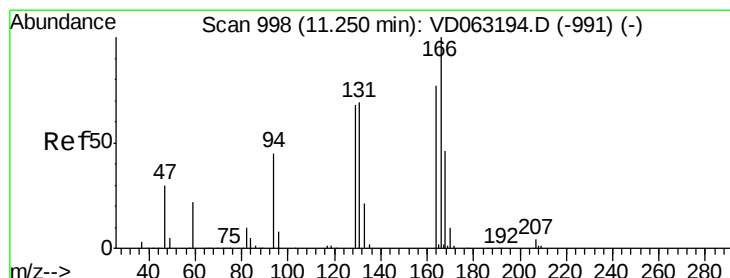
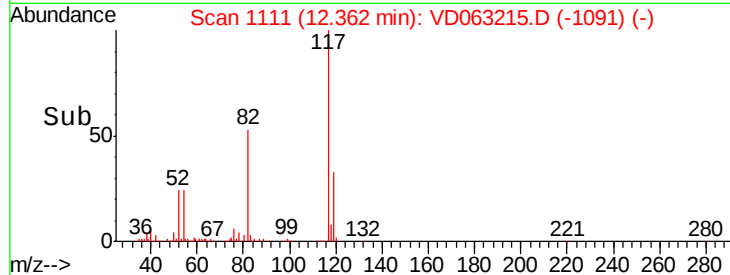
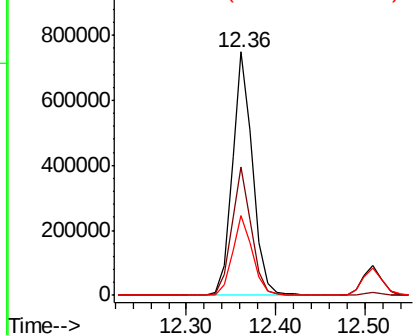
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD063215.D
Acq: 30 Jul 2019 00:23

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBSD02

Tot Ion:117 Resp: 1188463
Ion Ratio Lower Upper
117 100
82 52.8 40.1 60.1
119 32.6 26.5 39.7

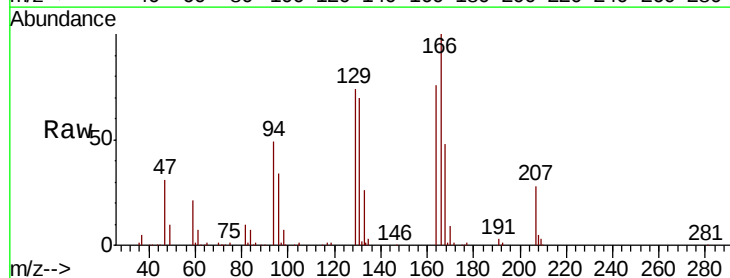


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

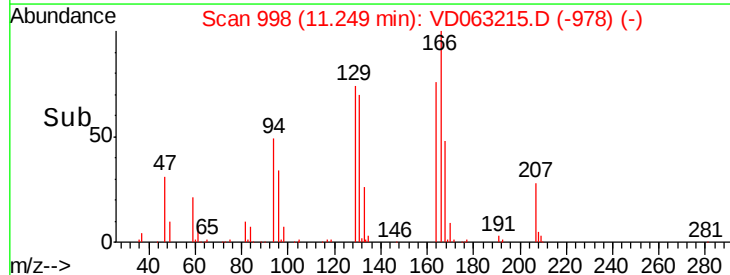
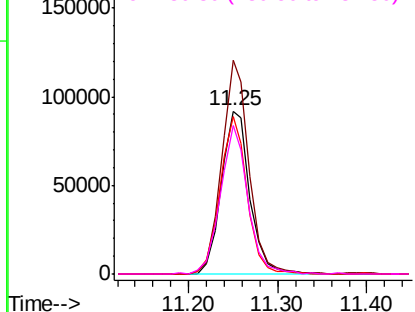


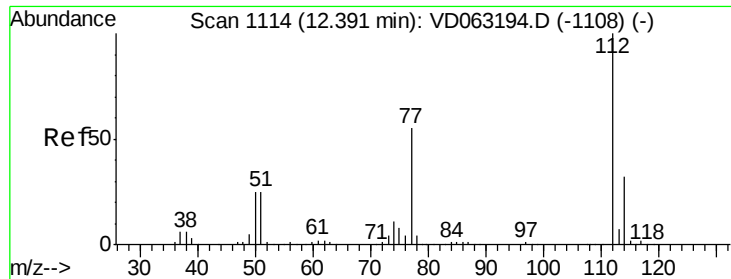
#64
Tetrachloroethene
Concen: 21.742 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD063215.D
Acq: 30 Jul 2019 00:23

Tgt Ion:164 Resp: 205858
Ion Ratio Lower Upper
164 100
166 131.0 104.3 156.5
129 96.4 70.9 106.3
131 91.4 71.6 107.4



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

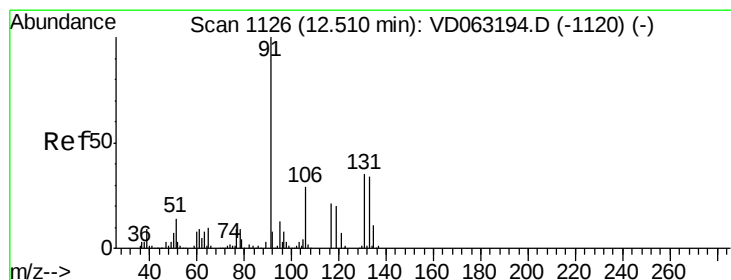
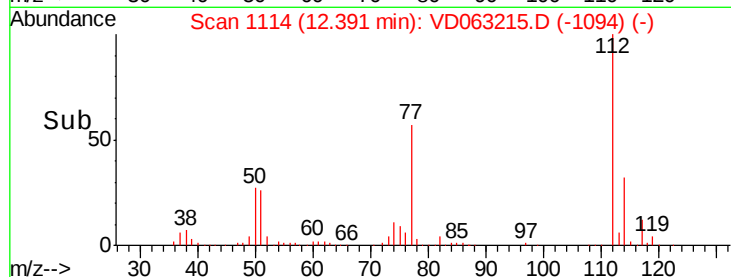
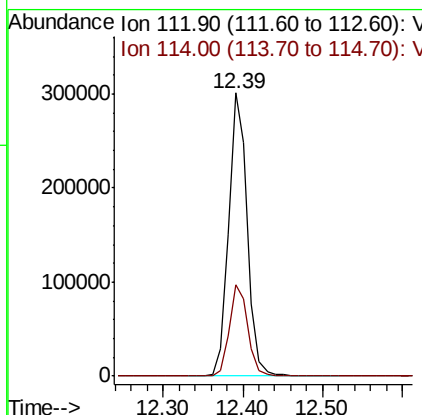
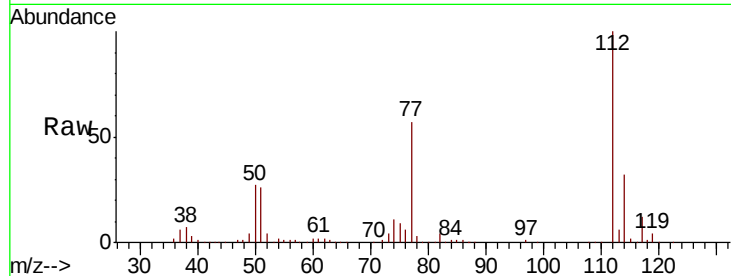




#65
Chlorobenzene
Concen: 21.592 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD063215.D
Acq: 30 Jul 2019 00:23

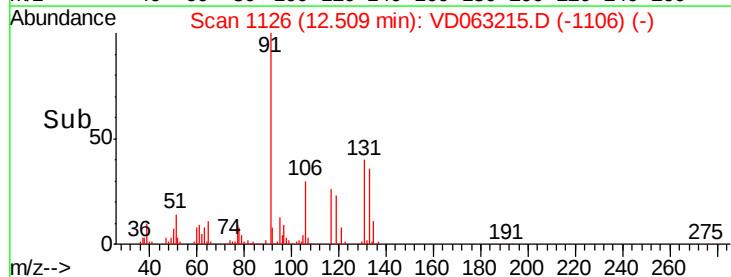
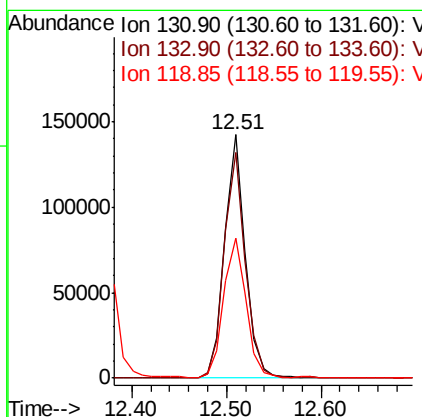
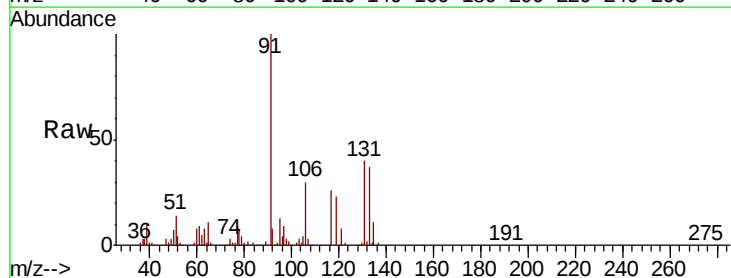
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBSD02

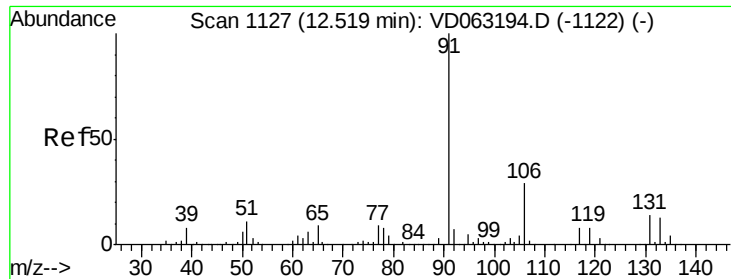
Tot Ion:112 Resp: 493573
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.328 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD063215.D
Acq: 30 Jul 2019 00:23

Tgt Ion:131 Resp: 214757
Ion Ratio Lower Upper
131 100
133 92.5 48.4 145.2
119 57.7 29.1 87.3

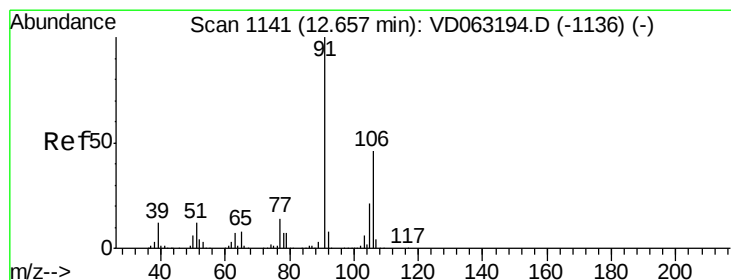
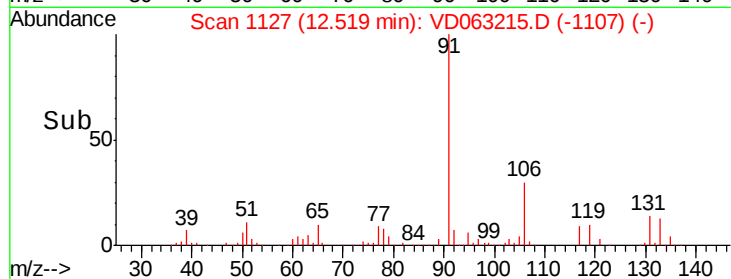
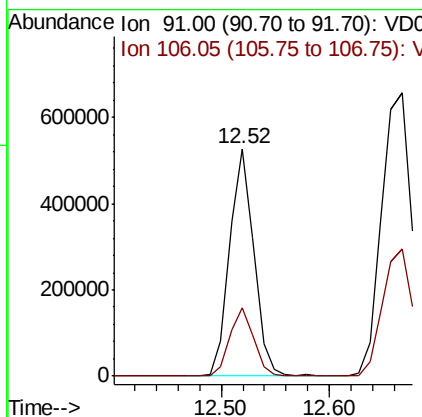
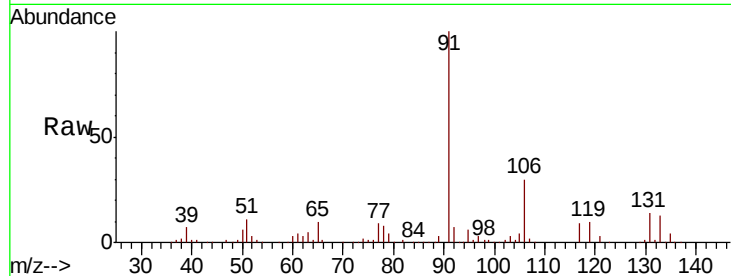




#67
Ethyl Benzene
Concen: 21.222 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD063215.D
Acq: 30 Jul 2019 00:23

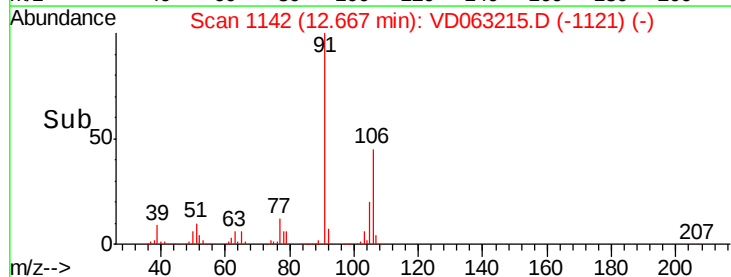
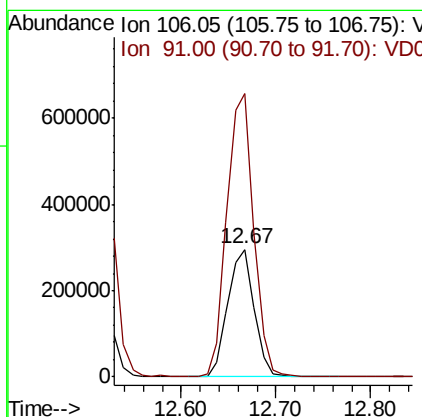
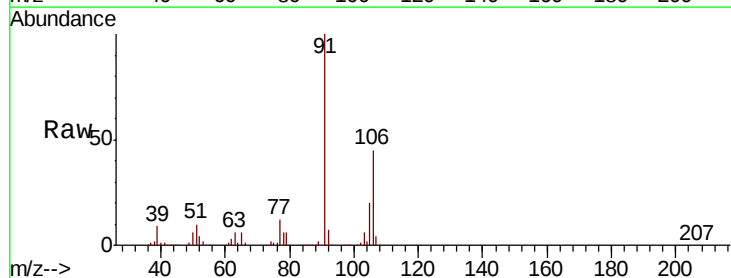
Instrument :
MSVOA_D
ClientSampleID :
VD0729SBS02

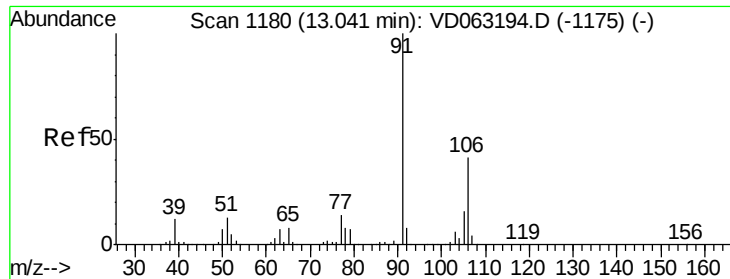
Tot Ion: 91 Resp: 824115
Ion Ratio Lower Upper
91 100
106 30.0 22.9 34.3



#68
m/p-Xylenes
Concen: 40.062 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD063215.D
Acq: 30 Jul 2019 00:23

Tgt Ion: 106 Resp: 570528
Ion Ratio Lower Upper
106 100
91 221.4 172.6 259.0

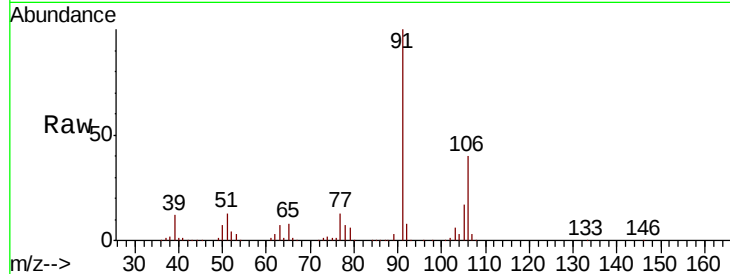




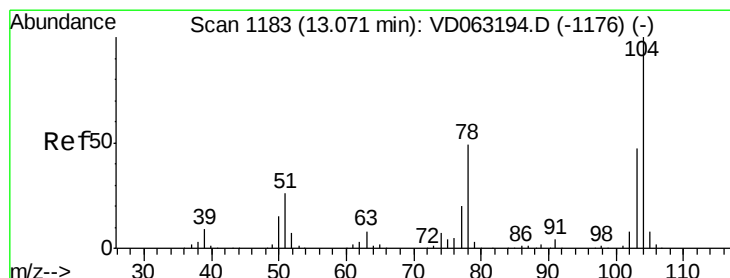
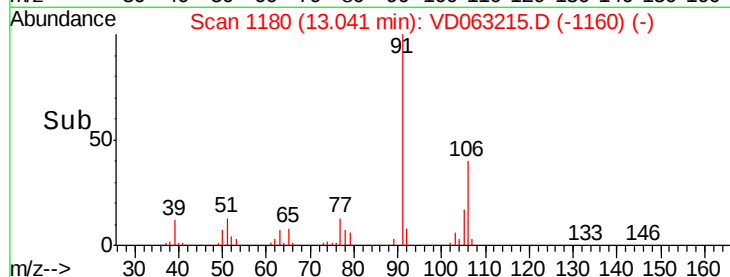
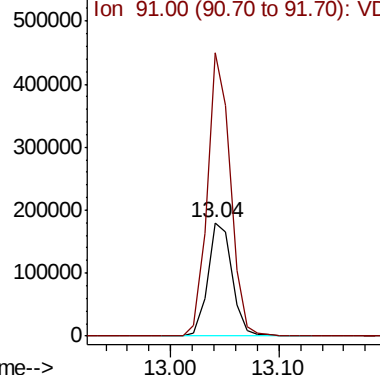
#69
o-Xylene
Concen: 21.499 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD063215.D
Acq: 30 Jul 2019 00:23

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBSD02

Tot Ion:106 Resp: 281167
Ion Ratio Lower Upper
106 100
91 249.1 121.3 363.9

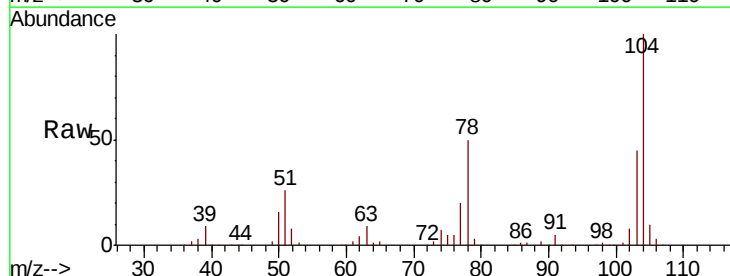


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

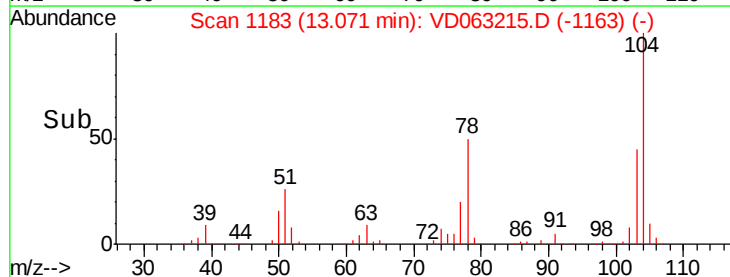
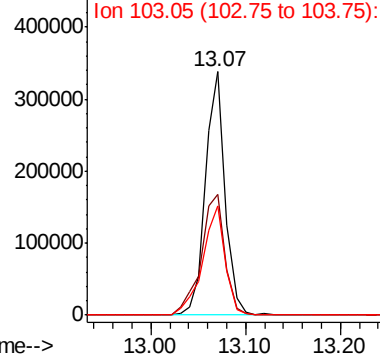


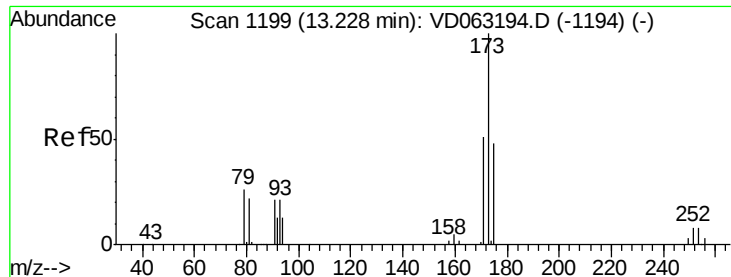
#70
Styrene
Concen: 20.909 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063215.D
Acq: 30 Jul 2019 00:23

Tgt Ion:104 Resp: 484943
Ion Ratio Lower Upper
104 100
78 49.7 39.4 59.0
103 44.9 37.4 56.2



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 19.252 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS02

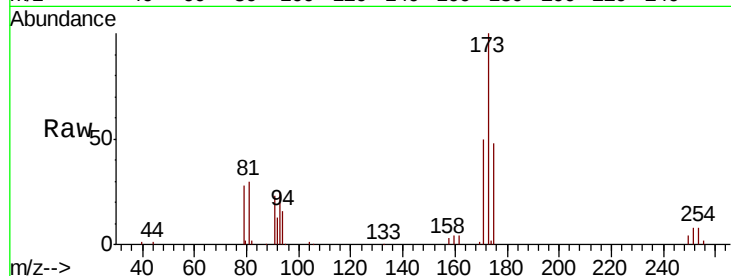
Tot Ion:173 Resp: 140976

Ion Ratio Lower Upper

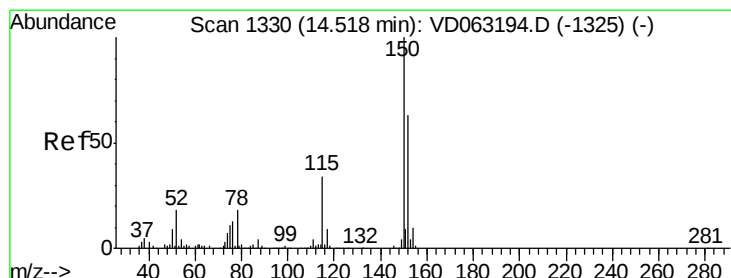
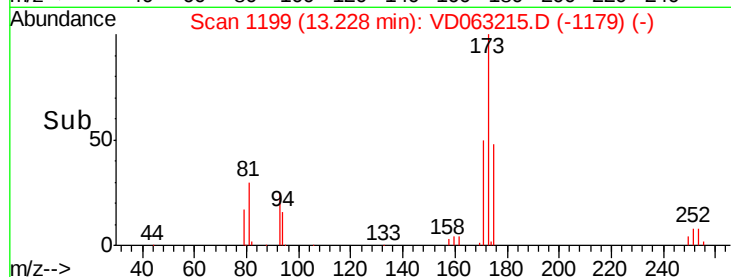
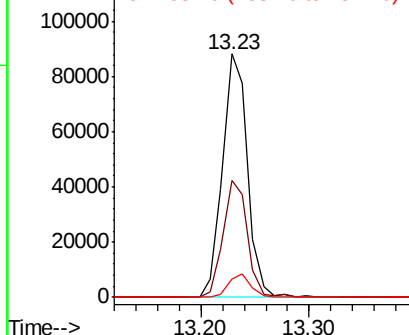
173 100

175 48.0 23.8 71.5

254 7.6 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: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

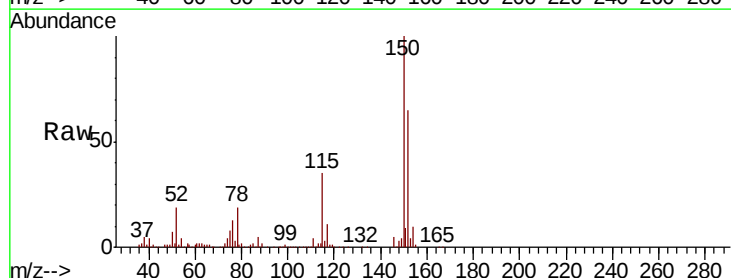
Tgt Ion:152 Resp: 621216

Ion Ratio Lower Upper

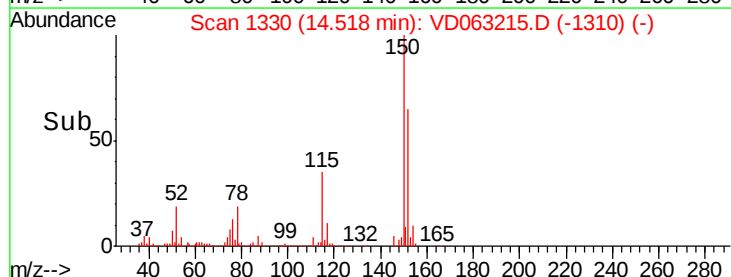
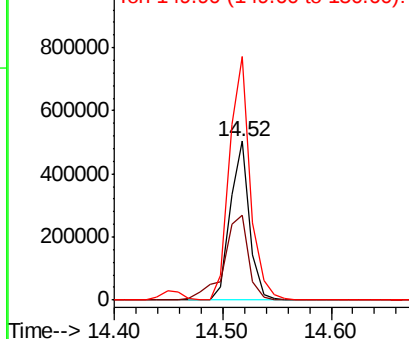
152 100

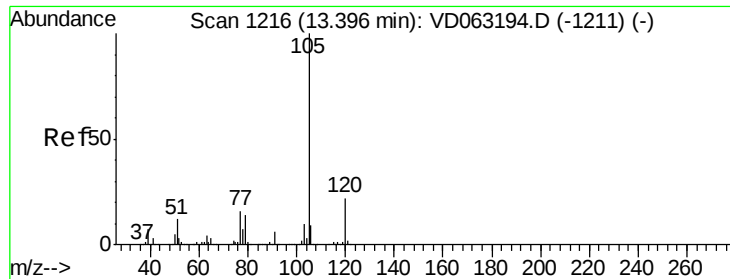
115 53.8 27.5 82.4

150 153.6 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: 21.713 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

Instrument :

MSVOA_D

ClientSampleId :

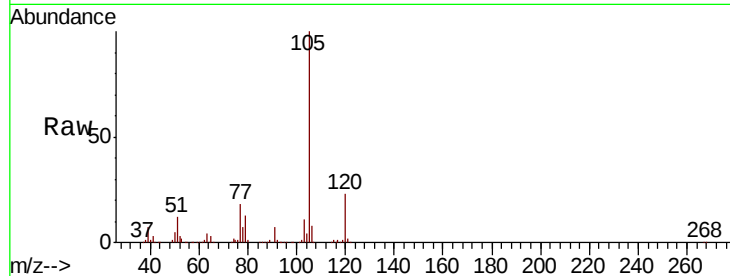
VD0729SBS02

Tot Ion:105 Resp: 846588

Ion Ratio Lower Upper

105 100

120 22.5 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

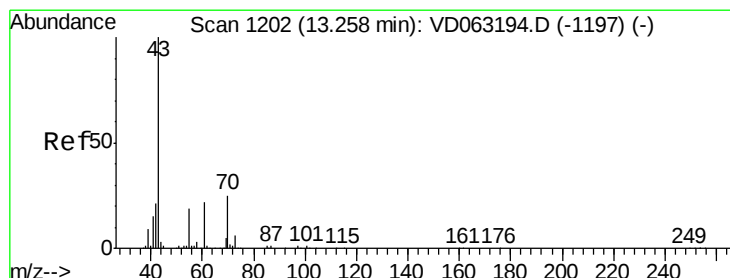
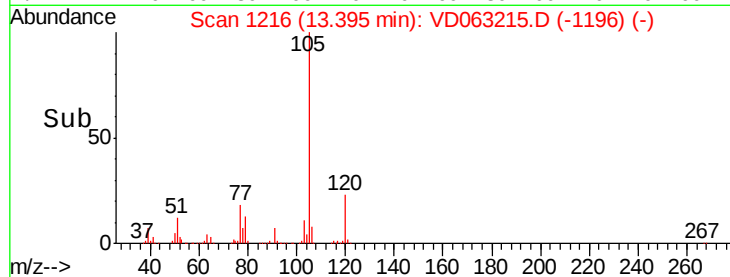
600000

400000

200000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 20.675 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

Tgt Ion: 43 Resp: 213099

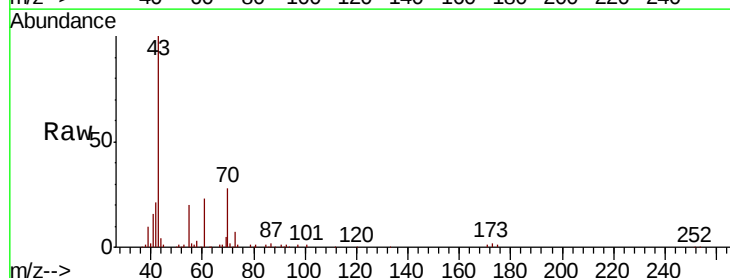
Ion Ratio Lower Upper

43 100

70 28.4 20.2 30.4

55 19.7 14.9 22.3

61 23.2 17.9 26.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

200000

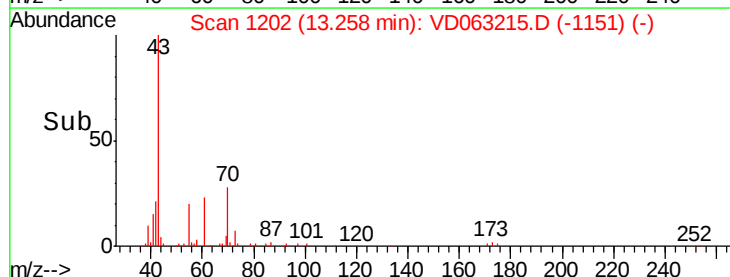
150000

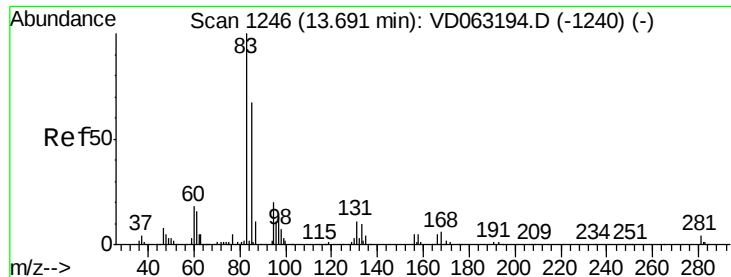
100000

50000

0

Time--> 13.20 13.25 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 20.356 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBSD02

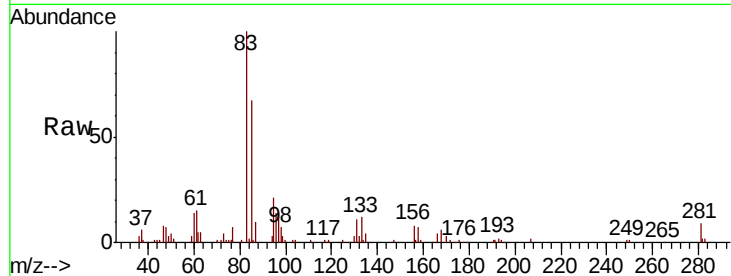
Tot Ion: 83 Resp: 134817

Ion Ratio Lower Upper

83 100

131 11.0 5.5 16.7

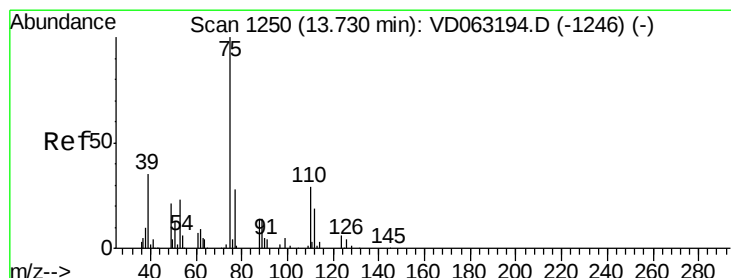
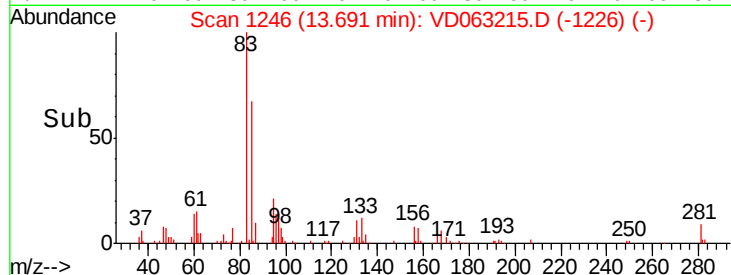
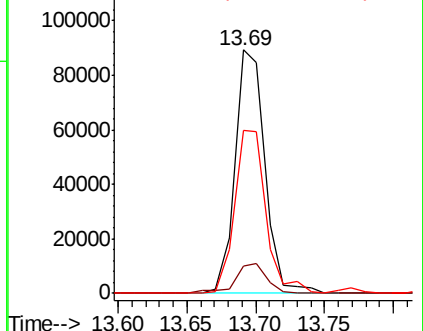
85 67.0 33.7 101.1



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: 19.955 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063215.D

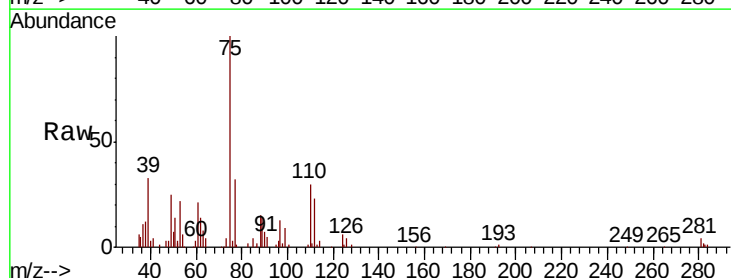
Acq: 30 Jul 2019 00:23

Tgt Ion: 75 Resp: 148894

Ion Ratio Lower Upper

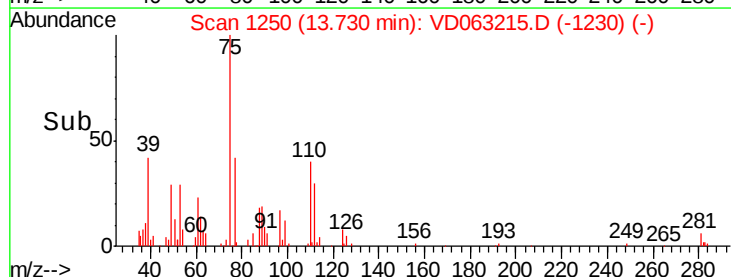
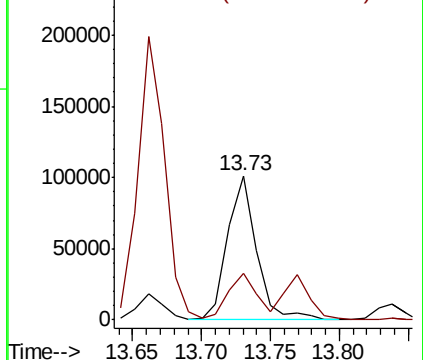
75 100

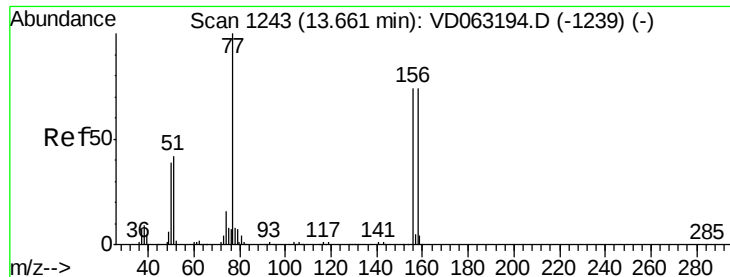
77 32.4 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.646 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBSD02

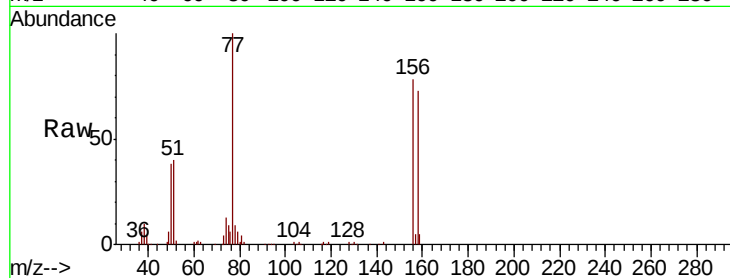
Tot Ion:156 Resp: 229311

Ion Ratio Lower Upper

156 100

77 127.9 67.6 202.8

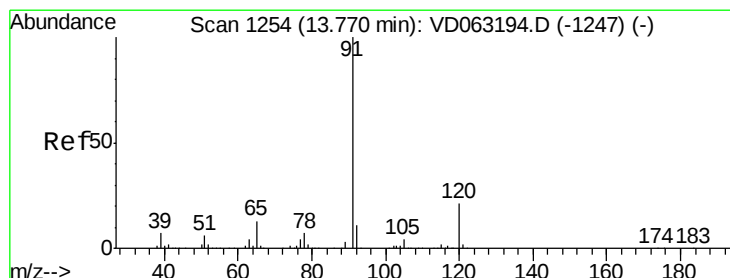
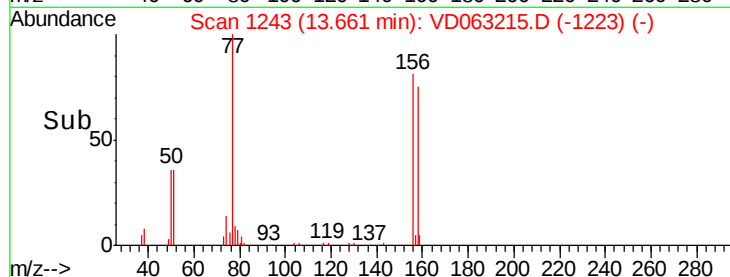
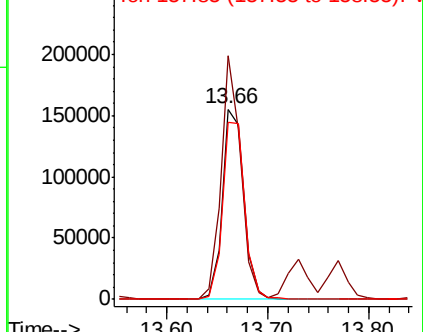
158 93.0 49.8 149.4



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: 21.814 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD063215.D

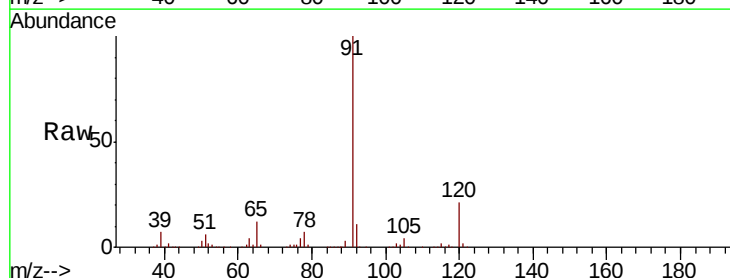
Acq: 30 Jul 2019 00:23

Tgt Ion: 91 Resp: 1012142

Ion Ratio Lower Upper

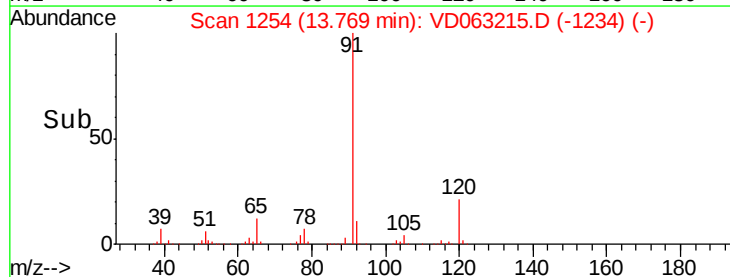
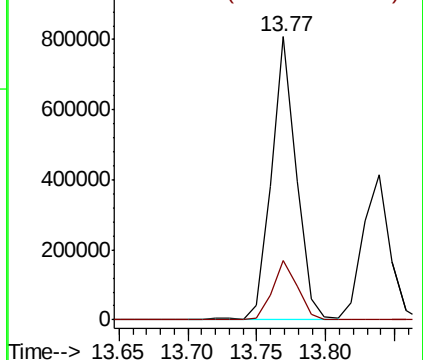
91 100

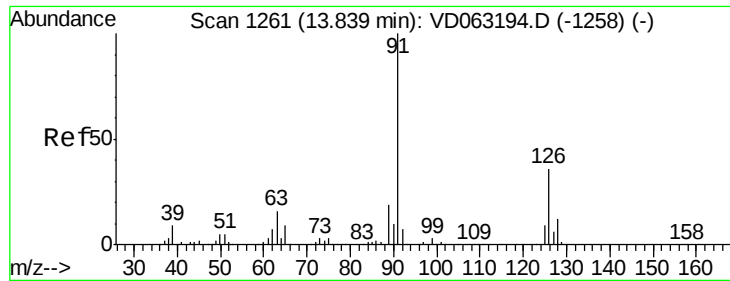
120 20.8 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.679 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

Instrument :

MSVOA_D

ClientSampleId :

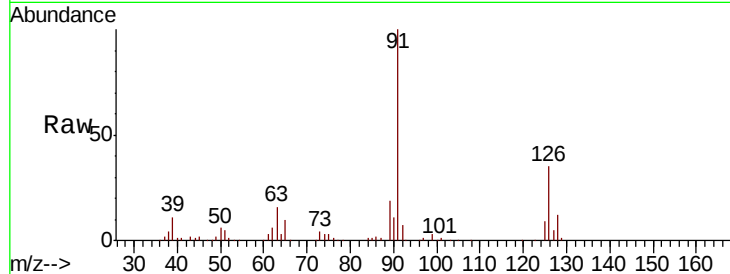
VD0729SBSD02

Tot Ion: 91 Resp: 555940

Ion Ratio Lower Upper

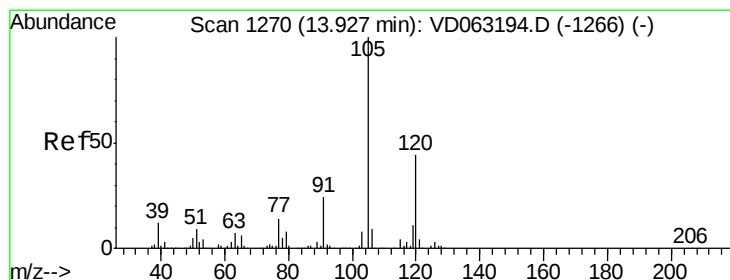
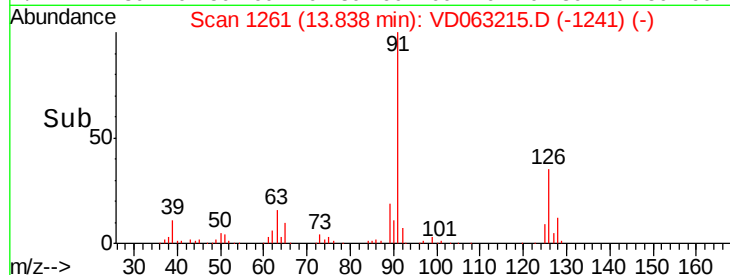
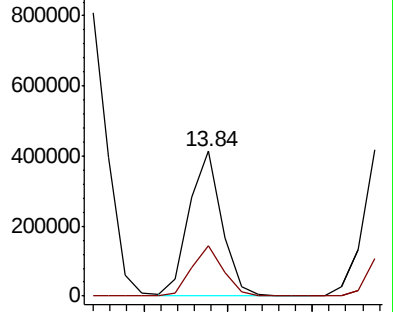
91 100

126 35.1 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 21.732 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD063215.D

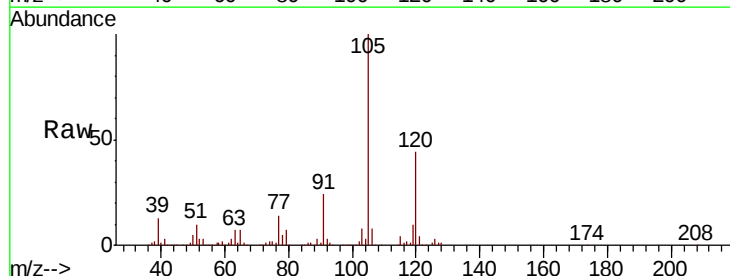
Acq: 30 Jul 2019 00:23

Tgt Ion:105 Resp: 730794

Ion Ratio Lower Upper

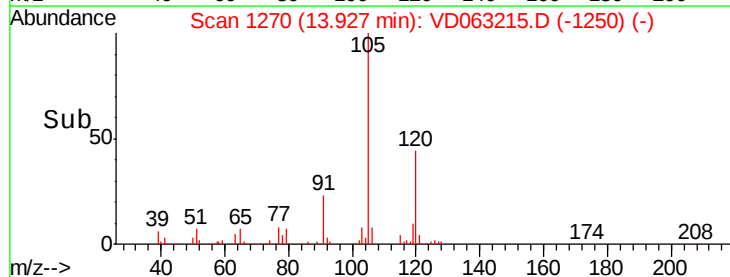
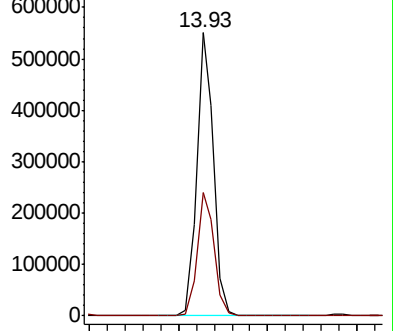
105 100

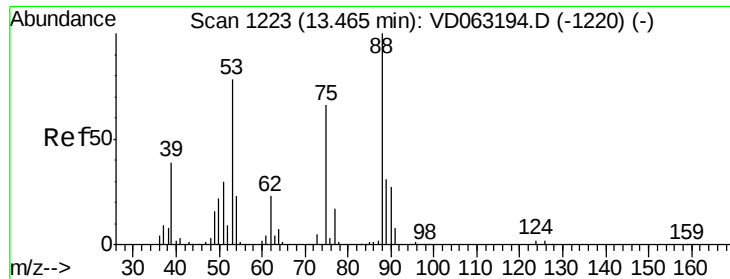
120 43.6 22.1 66.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.026 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBSD02

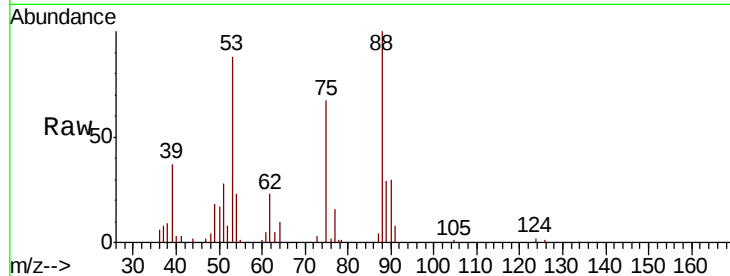
Tot Ion: 75 Resp: 35277

Ion Ratio Lower Upper

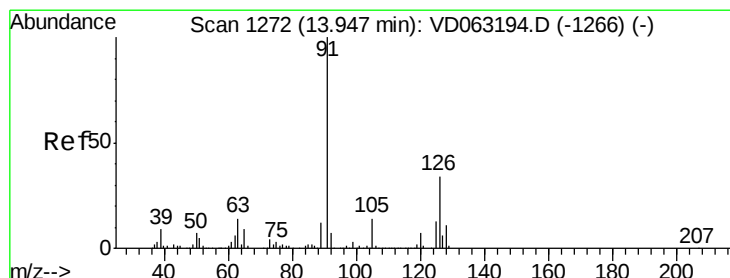
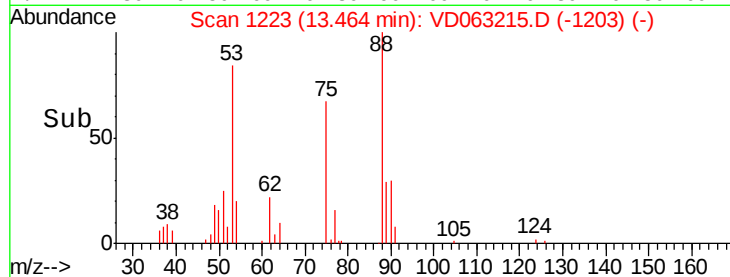
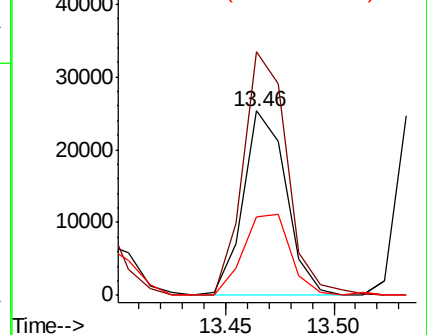
75 100

53 132.2 94.9 142.3

89 42.8 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: 22.074 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD063215.D

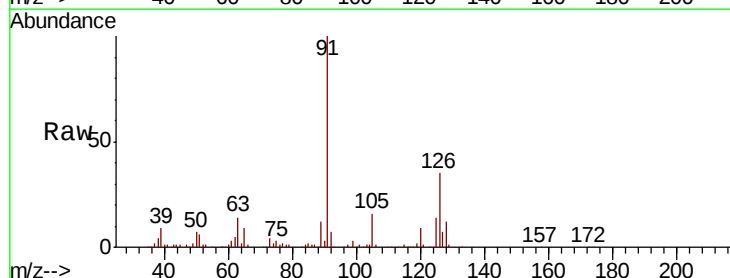
Acq: 30 Jul 2019 00:23

Tgt Ion: 91 Resp: 698420

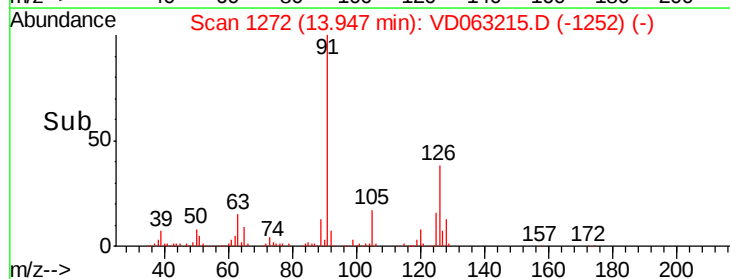
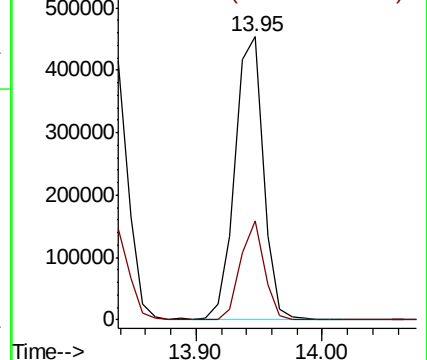
Ion Ratio Lower Upper

91 100

126 34.9 17.1 51.2



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

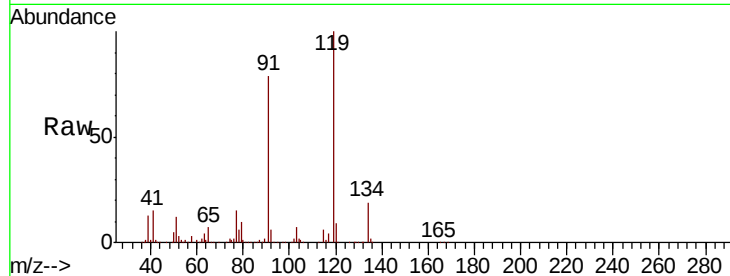




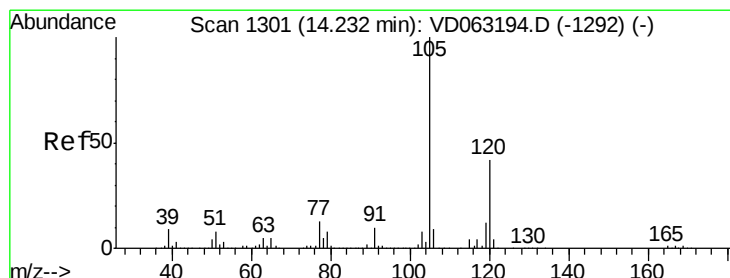
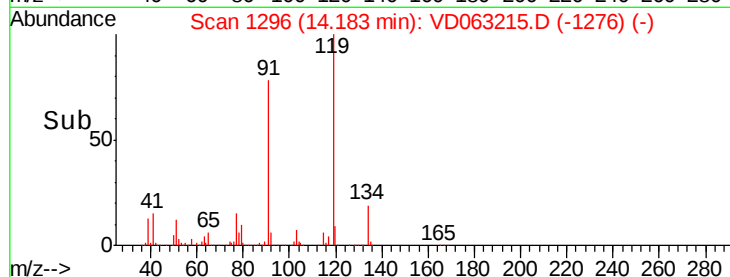
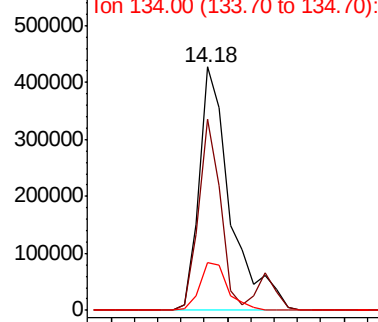
#83
 tert-Butylbenzene
 Concen: 20.752 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.00 min
 Lab File: VD063215.D
 Acq: 30 Jul 2019 00:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS02

Tot Ion:119 Resp: 796803
 Ion Ratio Lower Upper
 119 100
 91 78.6 39.1 117.5
 134 19.4 10.9 32.6

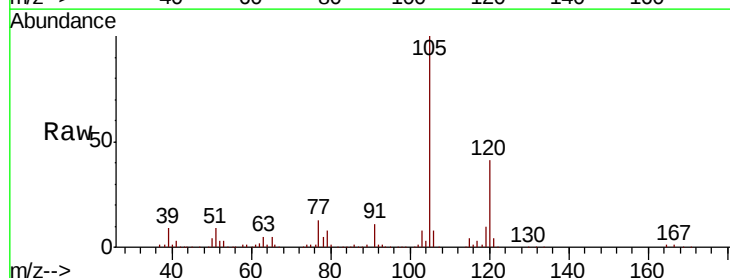


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

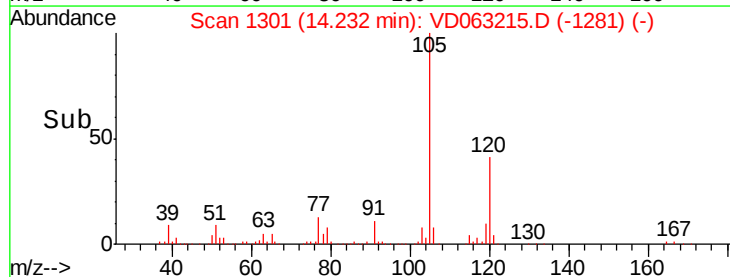
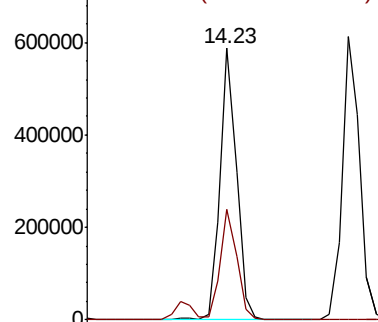


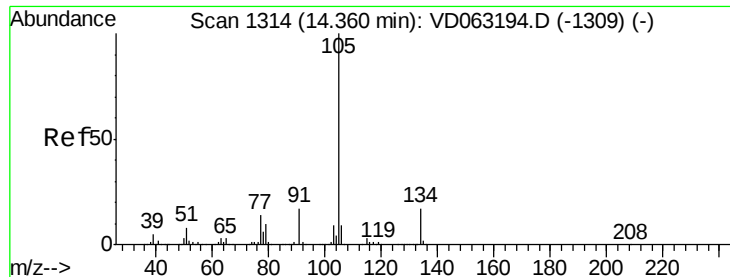
#84
 1,2,4-Trimethylbenzene
 Concen: 20.430 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: VD063215.D
 Acq: 30 Jul 2019 00:23

Tgt Ion:105 Resp: 710605
 Ion Ratio Lower Upper
 105 100
 120 40.9 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: 19.666 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

Instrument :

MSVOA_D

ClientSampleId :

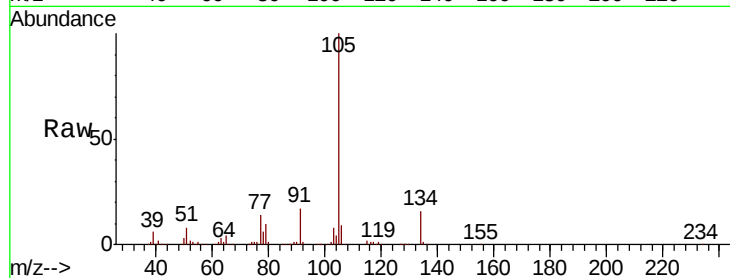
VD0729SBS02

Tot Ion:105 Resp: 795585

Ion Ratio Lower Upper

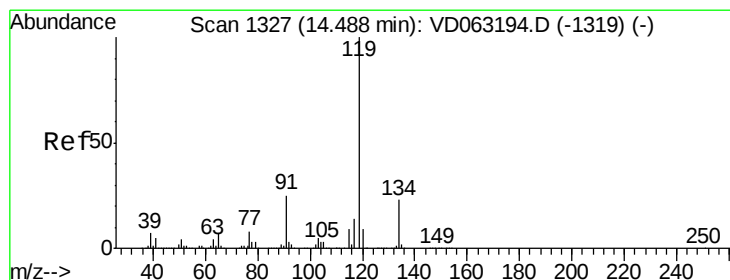
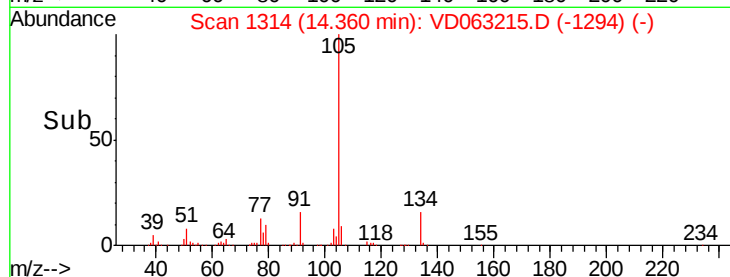
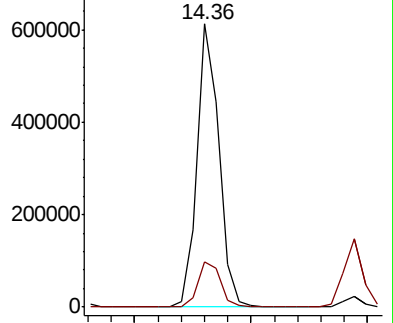
105 100

134 16.1 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.366 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD063215.D

Acq: 30 Jul 2019 00:23

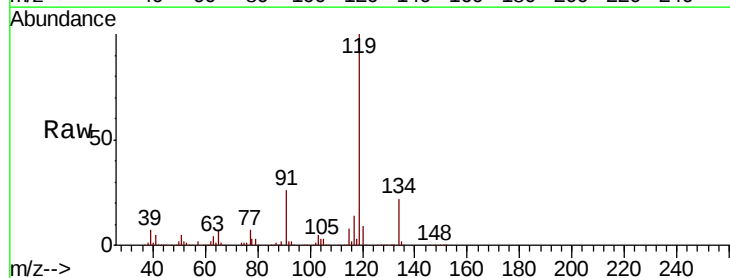
Tgt Ion:119 Resp: 786377

Ion Ratio Lower Upper

119 100

134 22.4 11.5 34.5

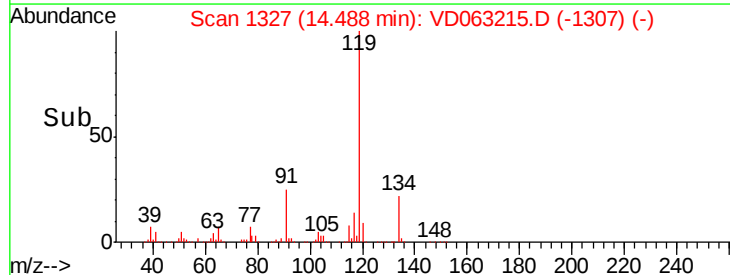
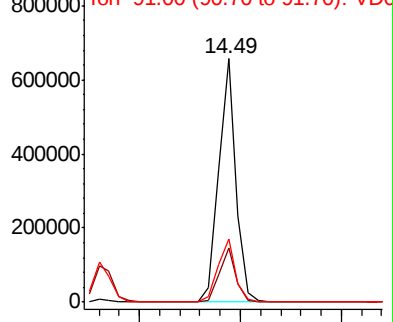
91 25.7 12.6 37.6

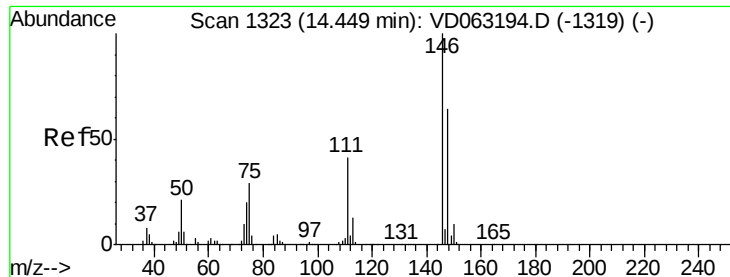


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

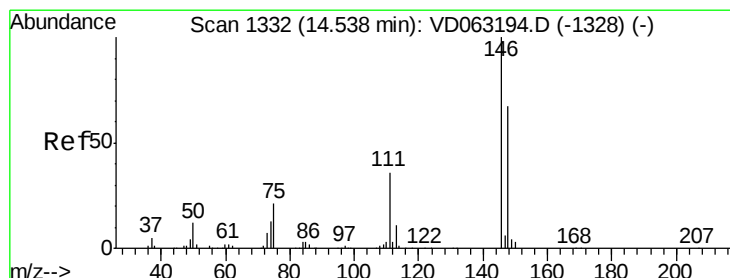
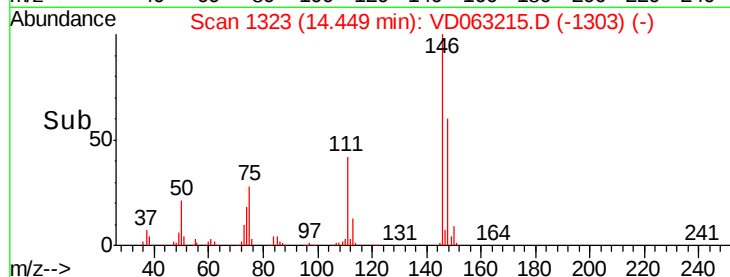
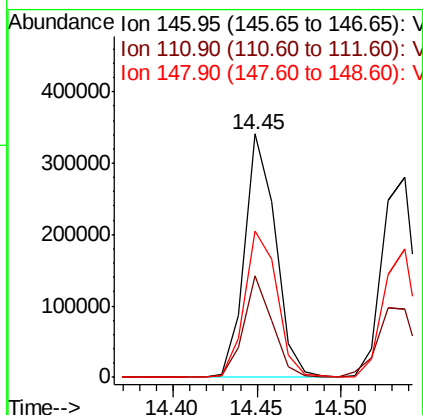
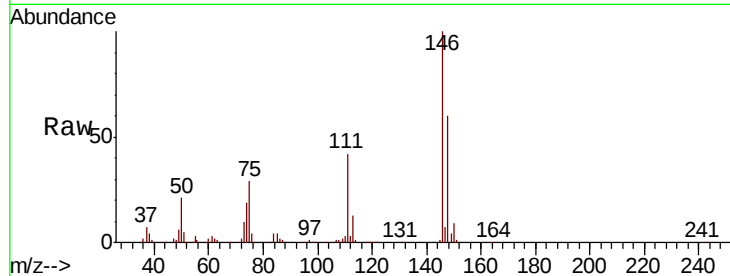




#87
 1,3-Dichlorobenzene
 Concen: 22.147 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD063215.D
 Acq: 30 Jul 2019 00:23

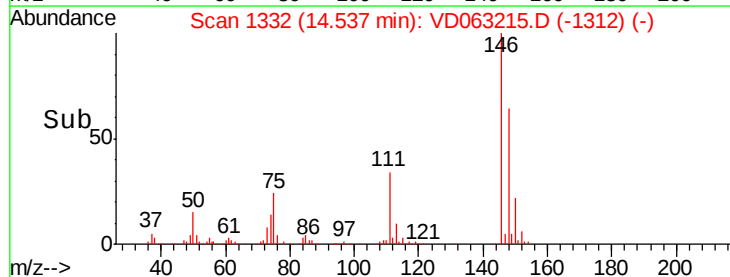
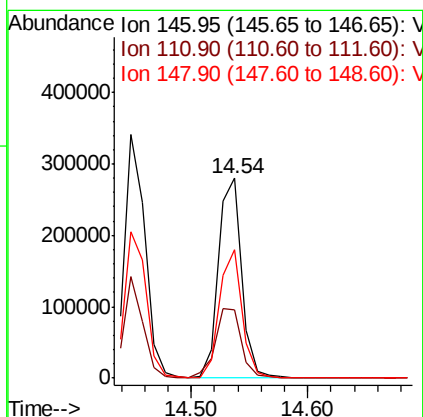
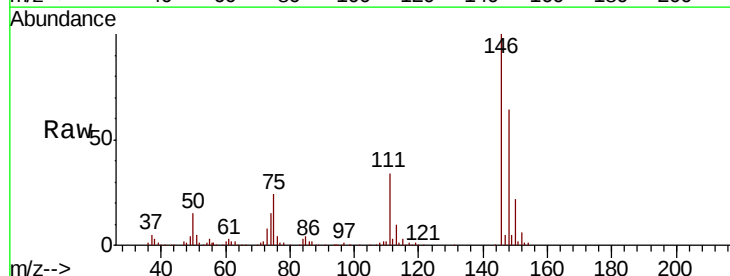
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS02

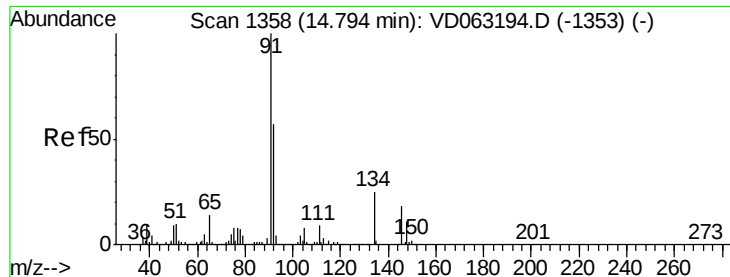
Tot Ion:146 Resp: 435619
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.4 61.3
 148 60.3 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.393 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063215.D
 Acq: 30 Jul 2019 00:23

Tgt Ion:146 Resp: 385728
 Ion Ratio Lower Upper
 146 100
 111 34.0 18.1 54.3
 148 64.0 33.4 100.1

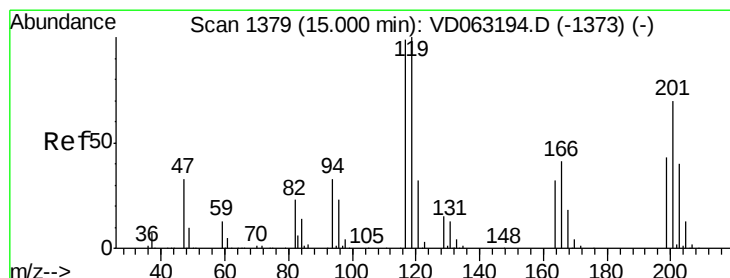
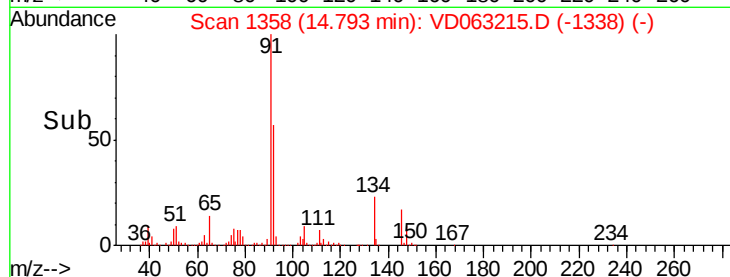
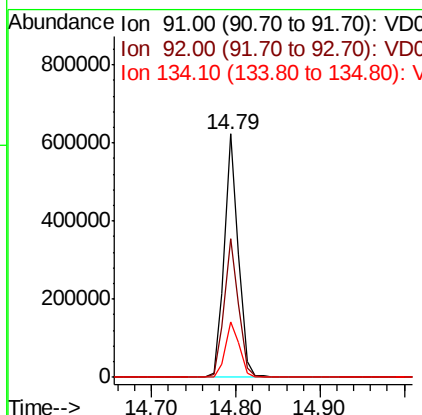
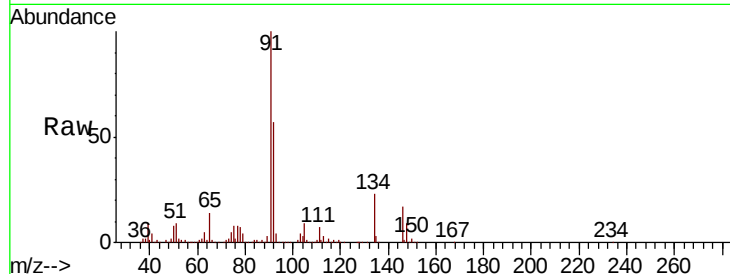




#89
n-Butylbenzene
Concen: 21.713 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD063215.D
Acq: 30 Jul 2019 00:23

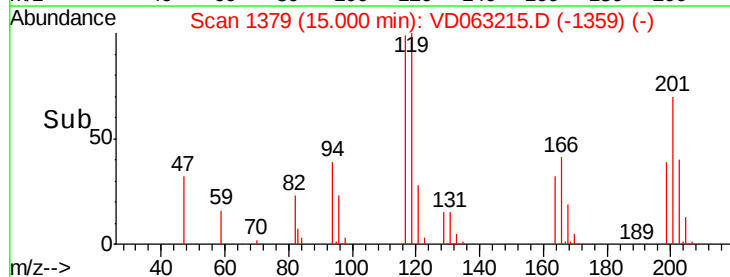
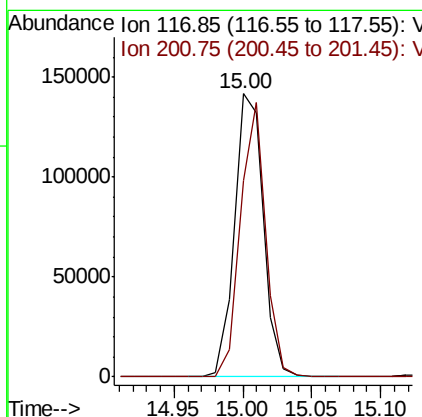
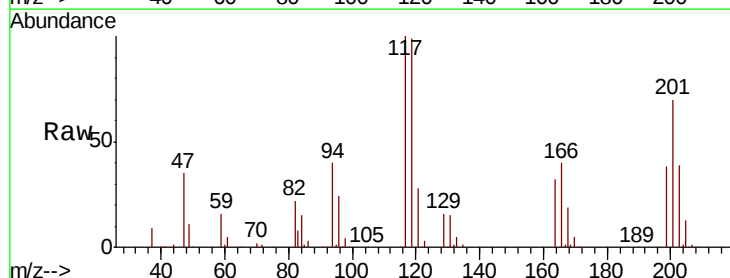
Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS02

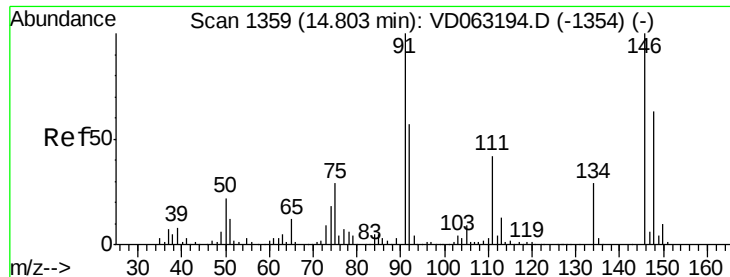
Tot Ion: 91 Resp: 724095
Ion Ratio Lower Upper
91 100
92 57.1 28.3 85.0
134 22.6 12.3 36.8



#90
Hexachloroethane
Concen: 20.574 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VD063215.D
Acq: 30 Jul 2019 00:23

Tgt Ion: 117 Resp: 206966
Ion Ratio Lower Upper
117 100
201 69.5 35.2 105.6

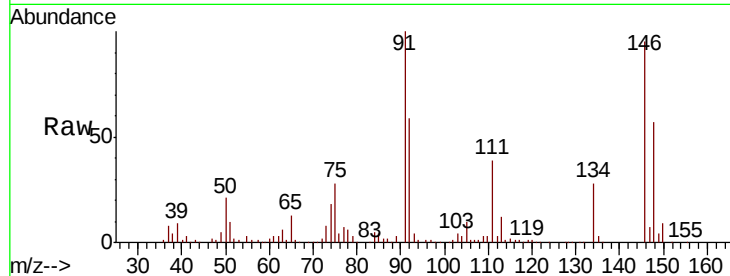




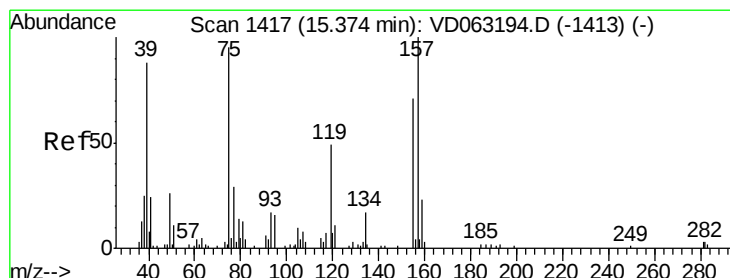
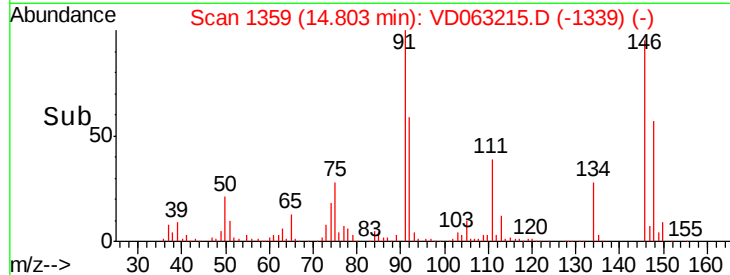
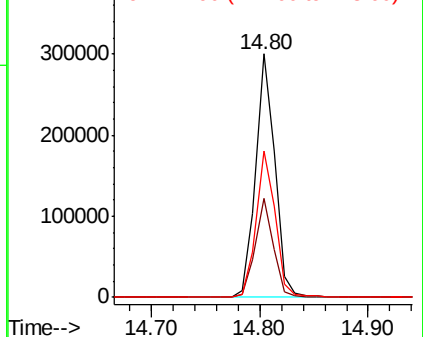
#91
 1,2-Dichlorobenzene
 Concen: 21.613 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD063215.D
 Acq: 30 Jul 2019 00:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBSD02

Tot Ion:146 Resp: 370388
 Ion Ratio Lower Upper
 146 100
 111 40.9 21.1 63.3
 148 60.3 31.6 94.8

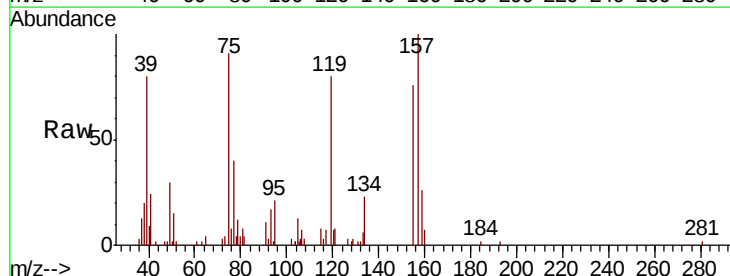


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

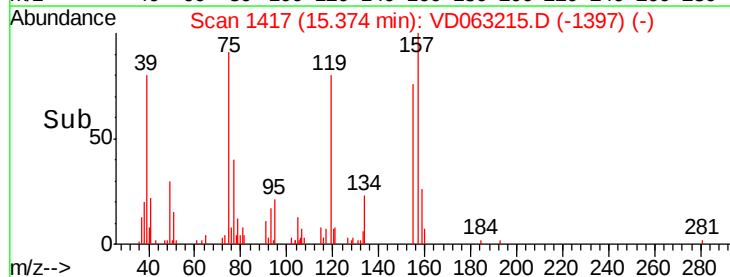
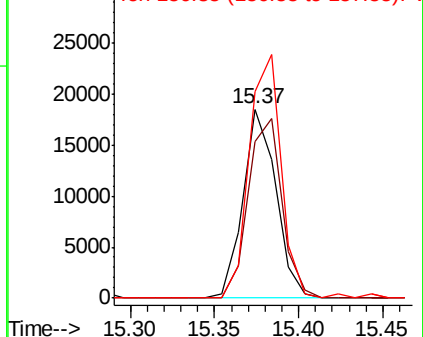


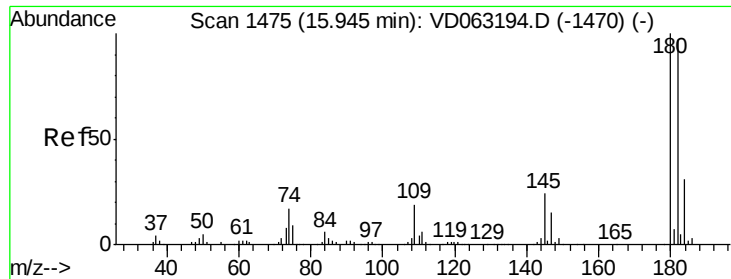
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.565 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD063215.D
 Acq: 30 Jul 2019 00:23

Tgt Ion: 75 Resp: 25045
 Ion Ratio Lower Upper
 75 100
 155 82.9 37.0 111.0
 157 109.8 52.4 157.2



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

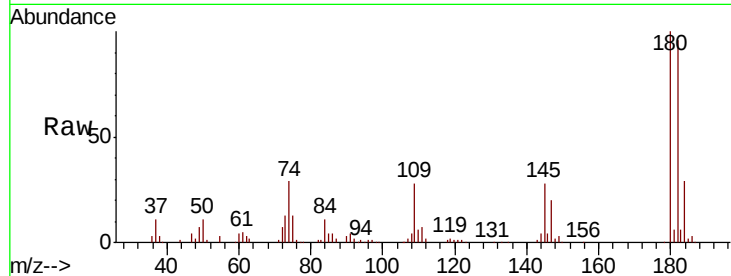




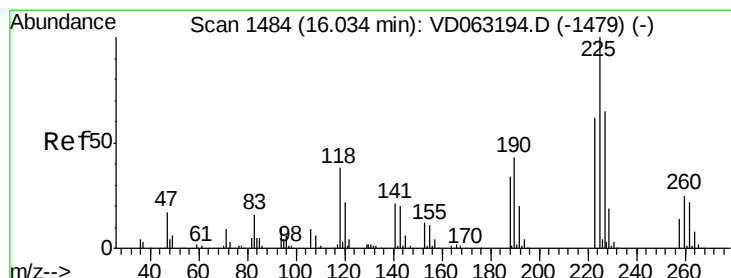
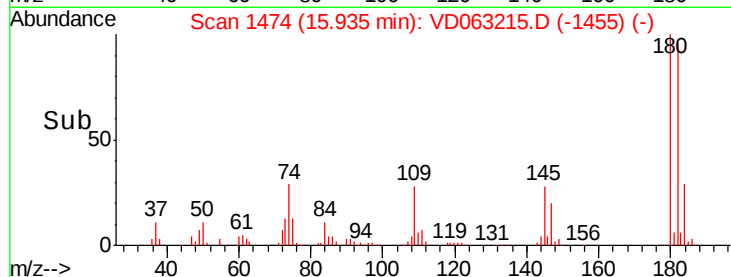
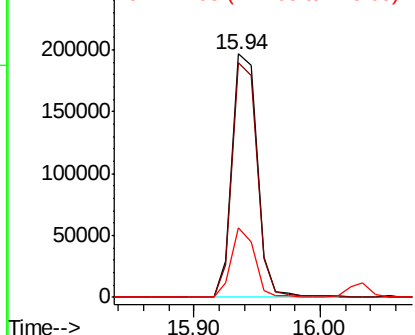
#93
 1,2,4-Trichlorobenzene
 Concen: 19.872 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063215.D
 Acq: 30 Jul 2019 00:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBSD02

Tot Ion:180 Resp: 270162
 Ion Ratio Lower Upper
 180 100
 182 96.5 48.6 145.8
 145 28.4 12.2 36.6

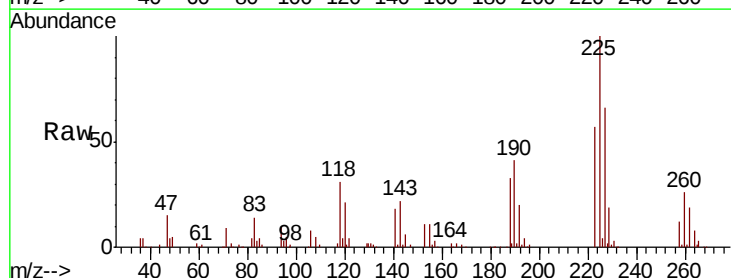


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

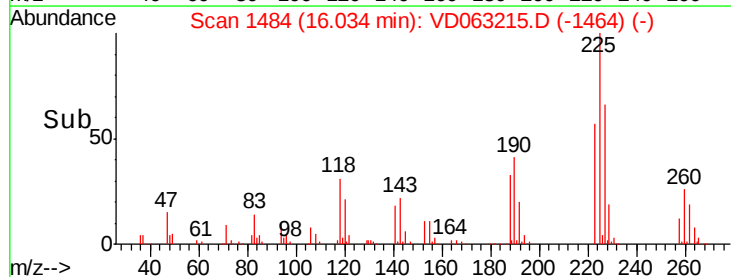
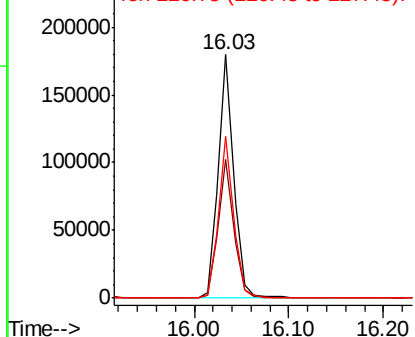


#94
 Hexachlorobutadiene
 Concen: 20.827 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063215.D
 Acq: 30 Jul 2019 00:23

Tgt Ion:225 Resp: 205189
 Ion Ratio Lower Upper
 225 100
 223 57.0 30.9 92.5
 227 66.5 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

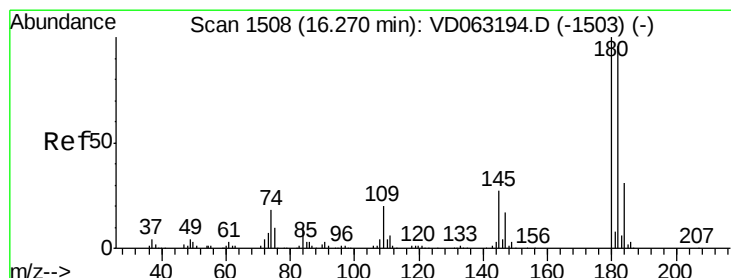
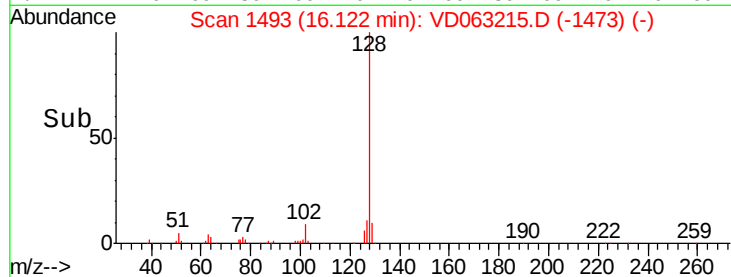
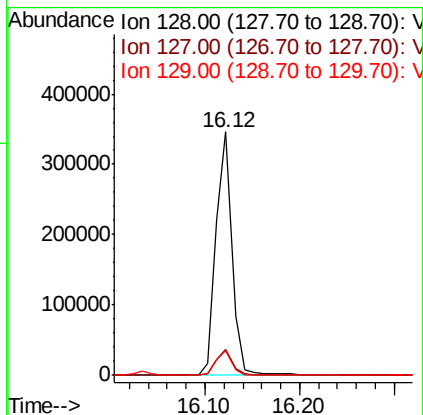
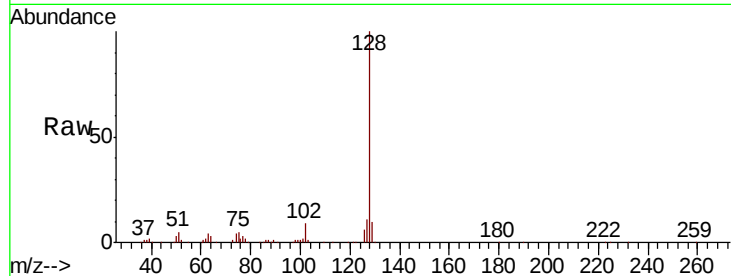




#95
Naphthalene
Concen: 21.352 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063215.D
Acq: 30 Jul 2019 00:23

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBSD02

Tot Ion:128 Resp: 410299
Ion Ratio Lower Upper
128 100
127 10.8 10.2 15.4
129 10.1 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 20.509 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063215.D
Acq: 30 Jul 2019 00:23

Tgt Ion:180 Resp: 220272
Ion Ratio Lower Upper
180 100
182 96.2 48.3 144.9
145 24.3 13.6 40.7

