

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
 Data File : VD063233.D
 Acq On : 30 Jul 2019 11:22
 Operator : VA/AP
 Sample : VD0730SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Quant Time: Jul 31 04:52:52 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	1025035	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1481014	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1254683	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	676712	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	584476	51.39	ug/l	0.00
Spiked Amount			Recovery	=	102.78%	
35) Dibromofluoromethane	6.91	113	664141	52.52	ug/l	0.00
Spiked Amount			Recovery	=	105.04%	
50) Toluene-d8	10.41	98	1474498	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	
62) 4-Bromofluorobenzene	13.55	95	676278	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	254184	20.287	ug/l	97
3) Chloromethane	1.73	50	195064	20.038	ug/l	98
4) Vinyl Chloride	1.84	62	192638	19.115	ug/l	93
5) Bromomethane	2.14	94	89145	17.539	ug/l	88
6) Chloroethane	2.25	64	89132	19.157	ug/l	92
7) Trichlorofluoromethane	2.51	101	406648	20.800	ug/l	95
8) Diethyl Ether	2.87	74	47879	17.498	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.13	101	206953	19.109	ug/l	96
10) Methyl Iodide	3.29	142	265186	16.950	ug/l	91
11) Tert butyl alcohol	4.06	59	40016	80.171	ug/l #	90
12) 1,1-Dichloroethene	3.11	96	151893	19.105	ug/l	92
13) Acrolein	3.02	56	46716	97.250	ug/l	92
14) Allyl chloride	3.61	41	242211	19.124	ug/l	91
15) Acrylonitrile	4.19	53	114588	88.550	ug/l	98
16) Acetone	3.21	43	181897	82.082	ug/l	100
17) Carbon Disulfide	3.36	76	527924	19.838	ug/l	97
18) Methyl Acetate	3.63	43	76761	18.033	ug/l #	90
19) Methyl tert-butyl Ether	4.23	73	328640	18.299	ug/l	97
20) Methylene Chloride	3.80	84	179242	20.010	ug/l	91
21) trans-1,2-Dichloroethene	4.20	96	171830	19.262	ug/l	86
22) Diisopropyl ether	5.10	45	457743	18.090	ug/l	93
23) Vinyl Acetate	5.04	43	1468233	94.392	ug/l	99
24) 1,1-Dichloroethane	4.96	63	312496	19.334	ug/l	97
25) 2-Butanone	6.07	43	198835	89.404	ug/l #	88
26) 2,2-Dichloropropane	6.01	77	315892	18.965	ug/l	94
27) cis-1,2-Dichloroethene	6.03	96	184564	19.297	ug/l	96
28) Bromochloromethane	6.43	49	126458	19.637	ug/l #	80
29) Tetrahydrofuran	6.45	42	90519	85.967	ug/l	96
30) Chloroform	6.66	83	387037	19.295	ug/l	98
31) Cyclohexane	6.94	56	188157	18.572	ug/l	97
32) 1,1,1-Trichloroethane	6.86	97	378051	19.485	ug/l	97
36) 1,1-Dichloropropene	7.14	75	244341	18.078	ug/l	98
37) Ethyl Acetate	6.17	43	100887	16.614	ug/l #	86
38) Carbon Tetrachloride	7.10	117	343843	16.898	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	209013	18.560	ug/l	92
40) Benzene	7.44	78	511351	18.052	ug/l	99
41) Methacrylonitrile	6.44	41	129111	17.775	ug/l #	90
42) 1,2-Dichloroethane	7.57	62	271818	18.106	ug/l	98
43) Isopropyl Acetate	9.24	43	133879	17.260	ug/l #	97
44) Trichloroethene	8.53	130	204109	17.782	ug/l	88
45) 1,2-Dichloropropane	8.93	63	126016	17.502	ug/l	91
46) Dibromomethane	9.05	93	102740	17.161	ug/l	83
47) Bromodichloromethane	9.36	83	279067	18.286	ug/l	96
48) Methyl methacrylate	9.11	41	89895	17.869	ug/l #	83
49) 1,4-Dioxane	9.08	88	13940	324.330	ug/l #	73
51) 4-Methyl-2-Pentanone	10.30	43	457684	86.762	ug/l	98
52) Toluene	10.51	92	341056	18.102	ug/l	92
53) t-1,3-Dichloropropene	10.91	75	234067	17.790	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	263280	19.040	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	116428	18.297	ug/l	92
56) Ethyl methacrylate	11.04	69	126336	18.132	ug/l	96
57) 1,3-Dichloropropane	11.40	76	179234	17.878	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	332010	91.574	ug/l	100
59) 2-Hexanone	11.53	43	354476	93.246	ug/l	95
60) Dibromochloromethane	11.68	129	213864	17.804	ug/l	92
61) 1,2-Dibromoethane	11.81	107	147431	18.777	ug/l	96
64) Tetrachloroethene	11.25	164	186532	18.661	ug/l	90
65) Chlorobenzene	12.40	112	441817	18.307	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	174312	16.397	ug/l	98
67) Ethyl Benzene	12.52	91	680205	16.592	ug/l	98
68) m/p-Xylenes	12.66	106	525058	34.923	ug/l	100
69) o-Xylene	13.05	106	256210	18.557	ug/l	100
70) Styrene	13.07	104	440730	18.000	ug/l	98
71) Bromoform	13.23	173	132721	17.168	ug/l	90
73) Isopropylbenzene	13.40	105	784580	18.473	ug/l	100
74) N-amyl acetate	13.26	43	198316	17.663	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	134600	18.657	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	137245	16.885	ug/l	97
77) Bromobenzene	13.67	156	215022	17.772	ug/l	92
78) n-propylbenzene	13.77	91	924158	18.284	ug/l	99
79) 2-Chlorotoluene	13.83	91	519019	17.722	ug/l	94
80) 1,3,5-Trimethylbenzene	13.93	105	669038	18.264	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	34162	15.136	ug/l	85
82) 4-Chlorotoluene	13.94	91	646357	18.753	ug/l	94
83) tert-Butylbenzene	14.19	119	754354	18.035	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	640547	16.905	ug/l	98
85) sec-Butylbenzene	14.37	105	795660	18.055	ug/l	95
86) p-Isopropyltoluene	14.48	119	804340	19.123	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	381554	17.807	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	390293	18.013	ug/l	96
89) n-Butylbenzene	14.80	91	652842	17.971	ug/l	97
90) Hexachloroethane	15.01	117	197168	17.992	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	333650	17.872	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	24456	16.642	ug/l	76

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Quant Title : SW846 8260
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Response via : Initial Calibration

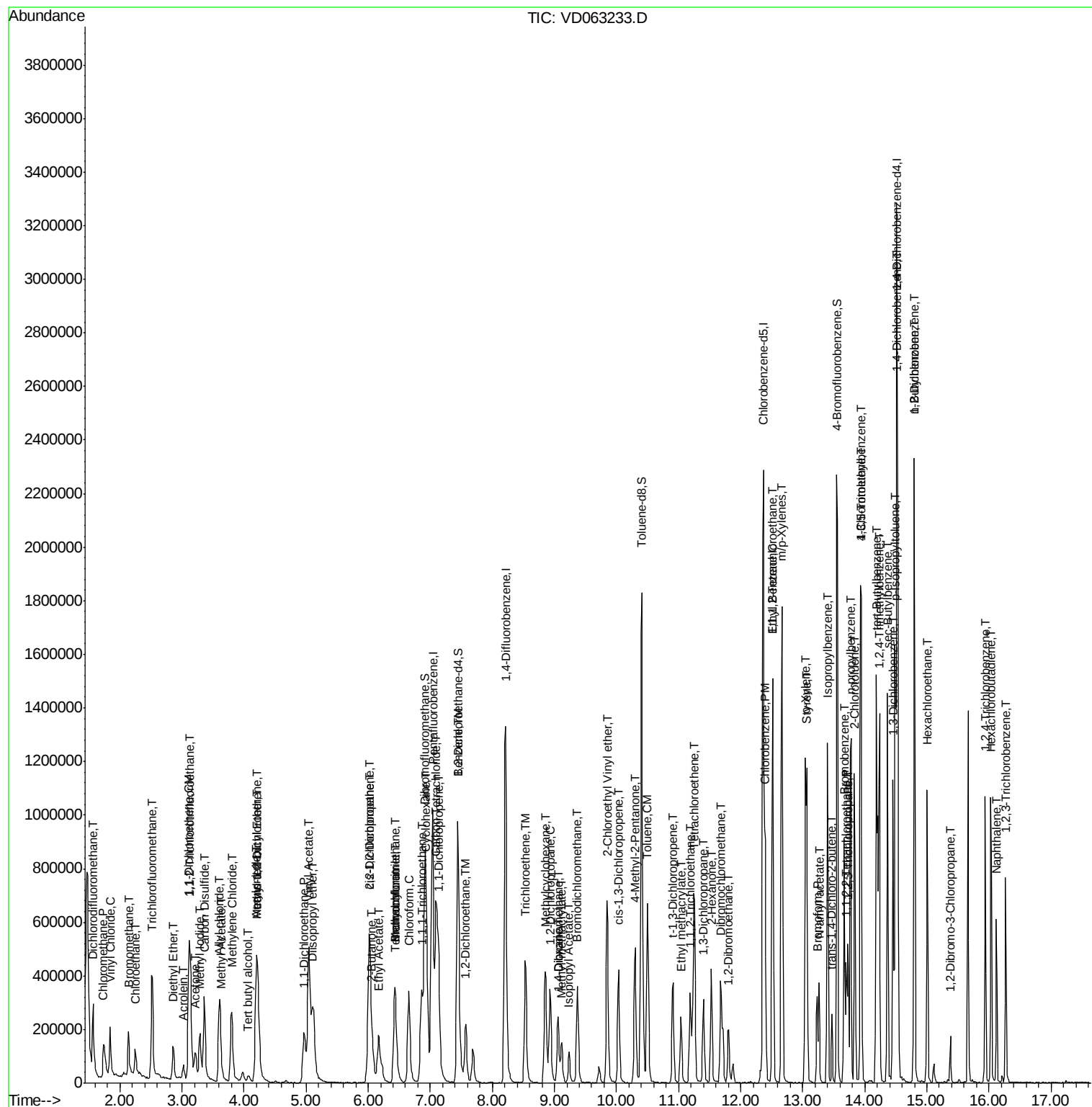
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	252526	17.051	ug/l	97
94) Hexachlorobutadiene	16.04	225	182360	16.991	ug/l	98
95) Naphthalene	16.12	128	361974	17.293	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	189221	16.173	ug/l	94

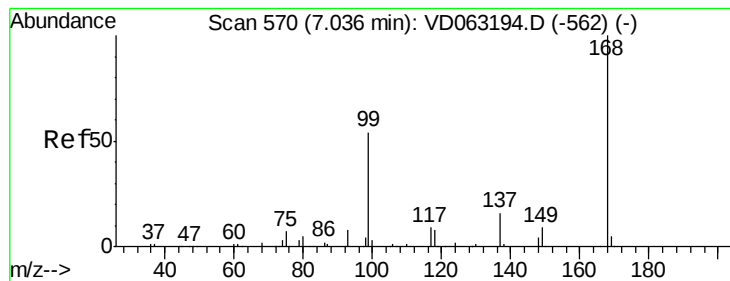
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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

Instrument :

MSVOA_D

ClientSampleId :

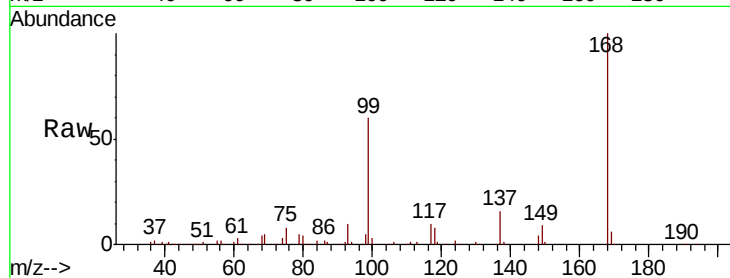
VD0730SBS01

Tot Ion:168 Resp: 1025035

Ion Ratio Lower Upper

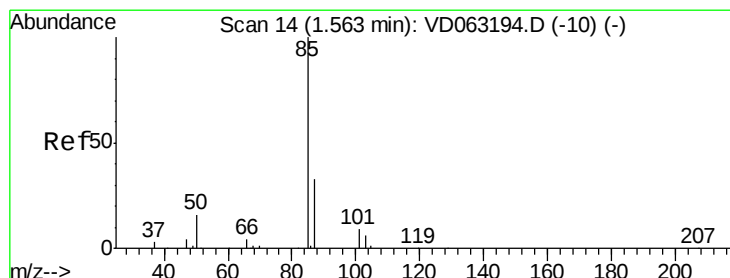
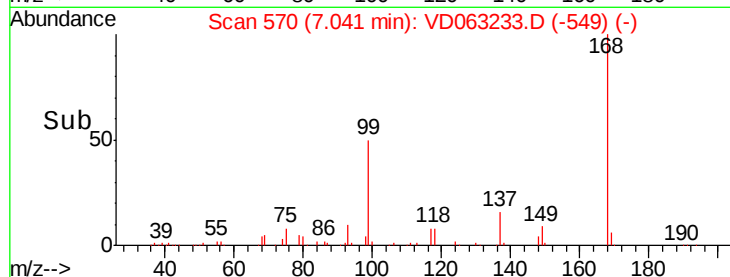
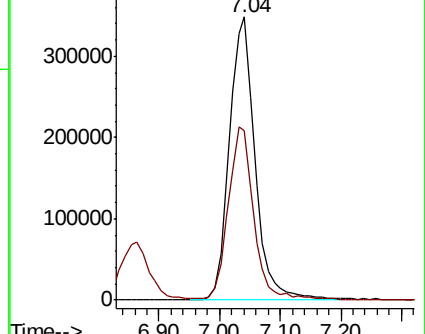
168 100

99 60.1 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 20.287 ug/l

RT: 1.57 min Scan# 14

Delta R.T. 0.00 min

Lab File: VD063233.D

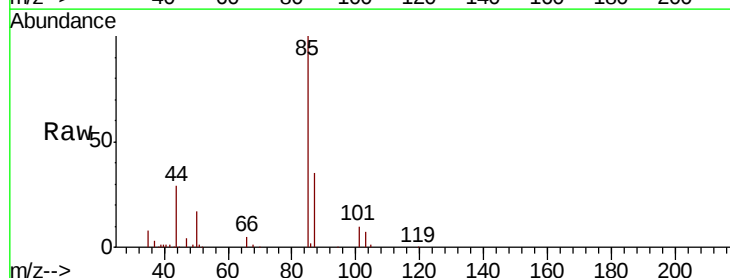
Acq: 30 Jul 2019 11:22

Tgt Ion: 85 Resp: 254184

Ion Ratio Lower Upper

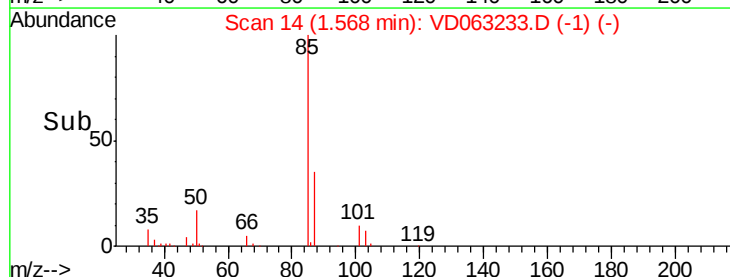
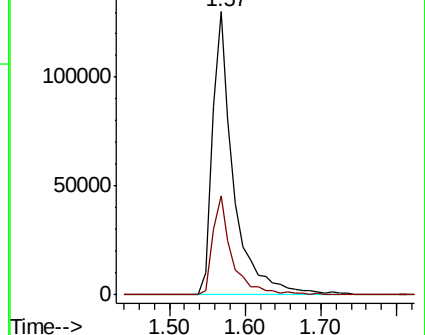
85 100

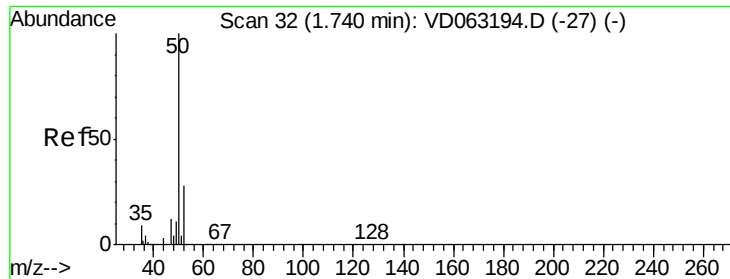
87 34.9 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.038 ug/l

RT: 1.73 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

Instrument :

MSVOA_D

ClientSampleId :

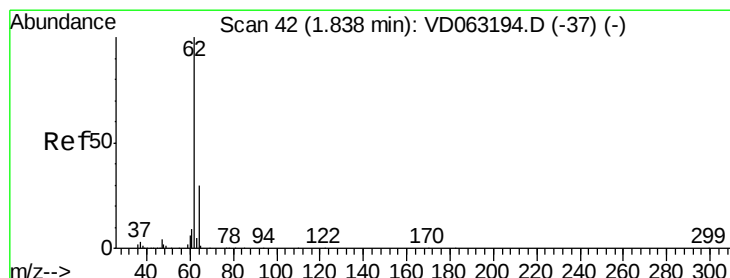
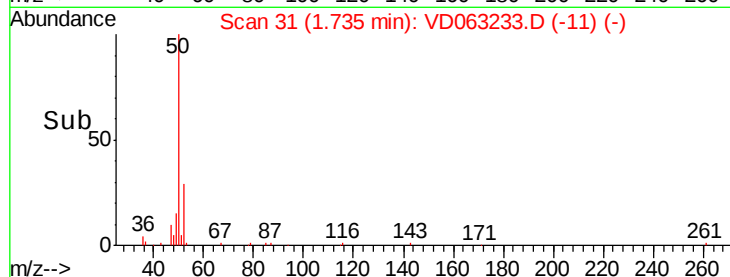
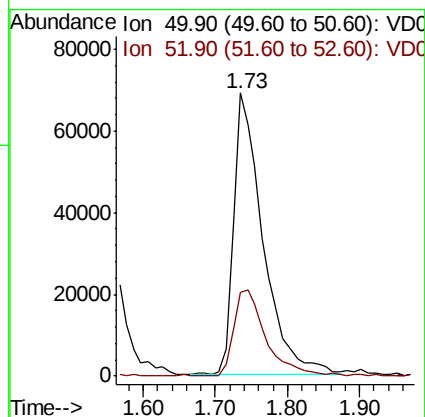
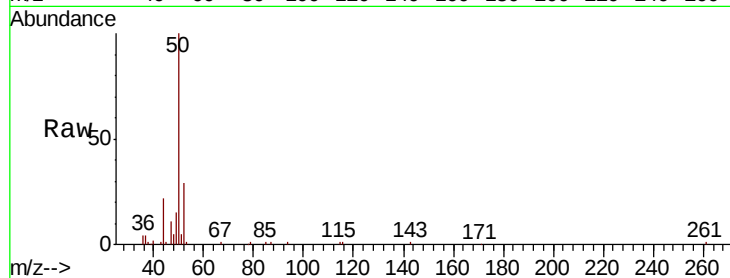
VD0730SBS01

Tot Ion: 50 Resp: 195064

Ion Ratio Lower Upper

50 100

52 29.5 22.6 34.0



#4

Vinyl Chloride

Concen: 19.115 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063233.D

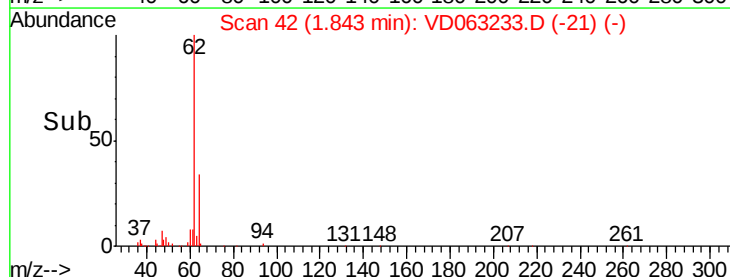
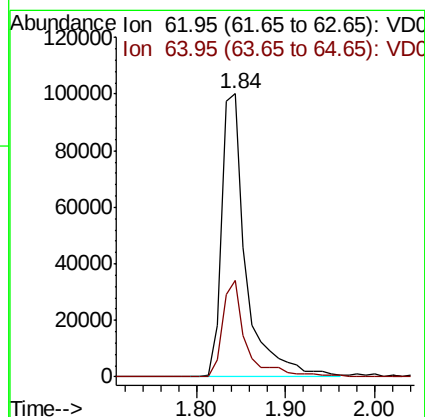
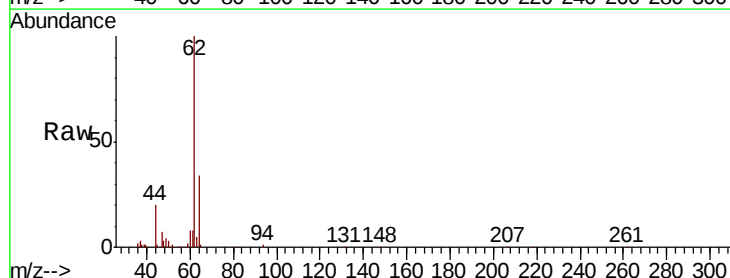
Acq: 30 Jul 2019 11:22

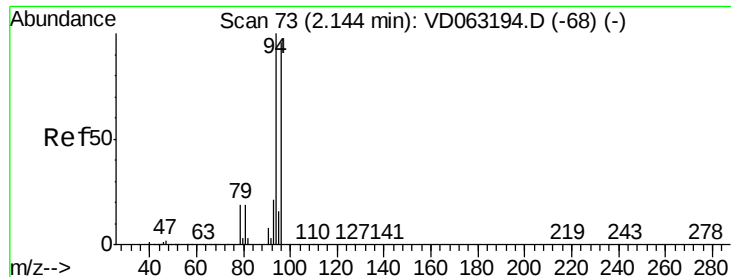
Tgt Ion: 62 Resp: 192638

Ion Ratio Lower Upper

62 100

64 34.1 24.1 36.1





#5

Bromomethane

Concen: 17.539 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

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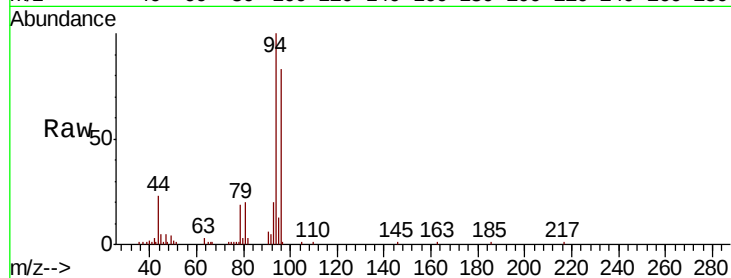
Tot Ion: 94 Resp: 89145

Ion Ratio Lower Upper

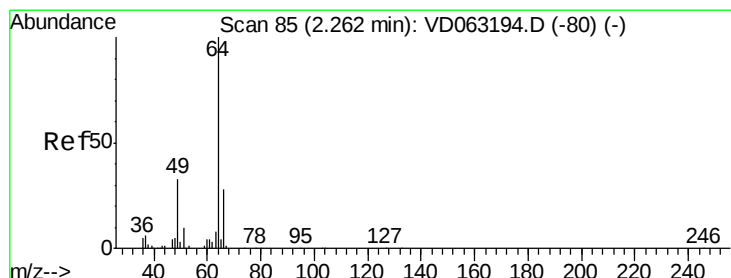
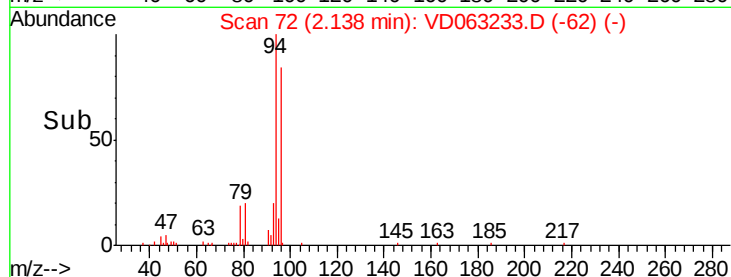
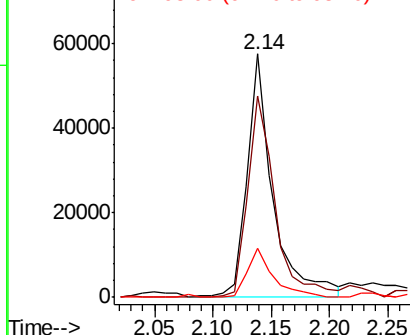
94 100

96 82.5 76.4 114.6

93 20.0 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: 19.157 ug/l

RT: 2.25 min Scan# 83

Delta R.T. -0.01 min

Lab File: VD063233.D

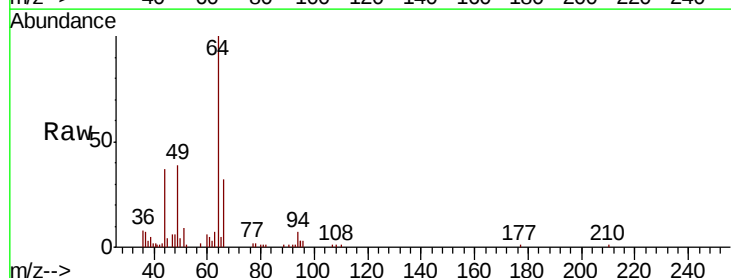
Acq: 30 Jul 2019 11:22

Tgt Ion: 64 Resp: 89132

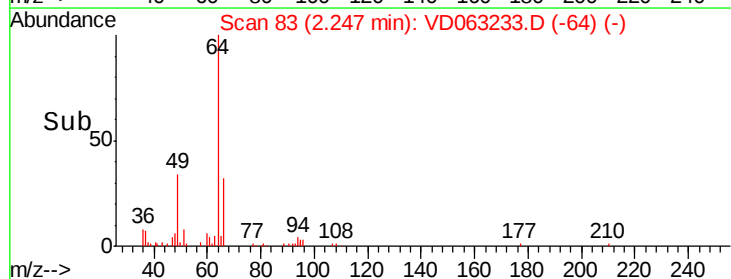
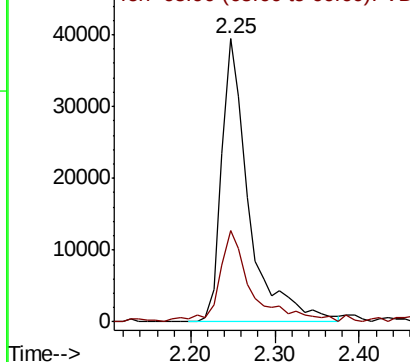
Ion Ratio Lower Upper

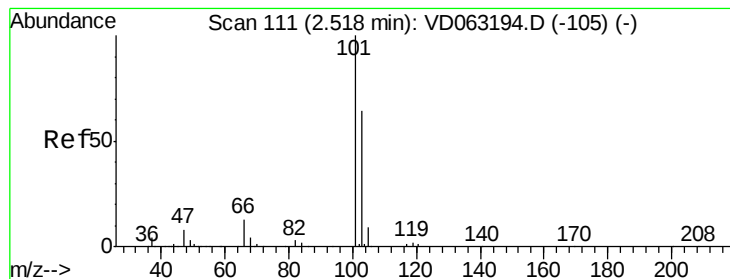
64 100

66 32.1 22.2 33.2



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



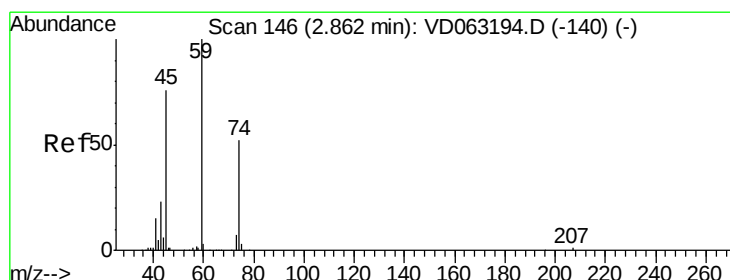
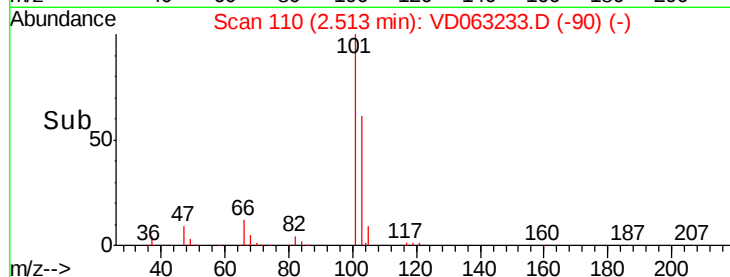
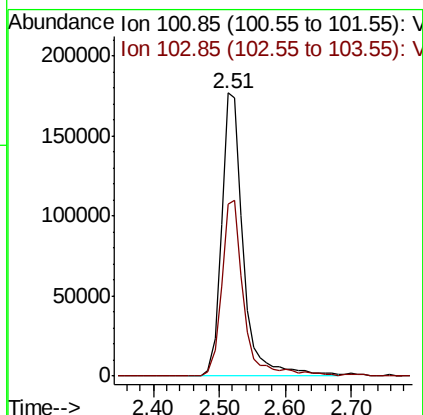
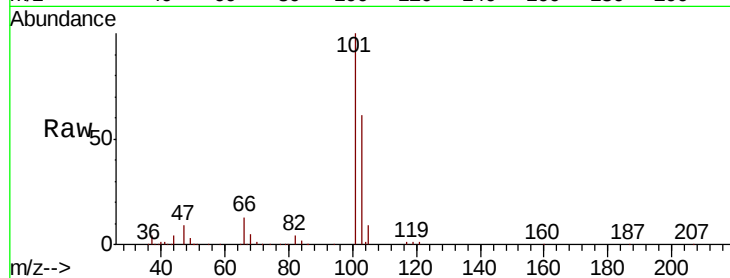


#7

Trichlorofluoromethane
 Concen: 20.800 ug/l
 RT: 2.51 min Scan# 110
 Delta R.T. -0.01 min
 Lab File: VD063233.D
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Instrument :
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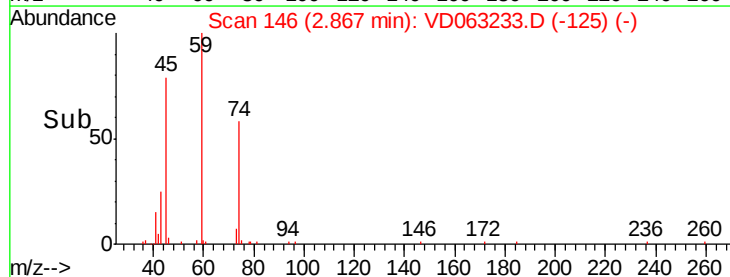
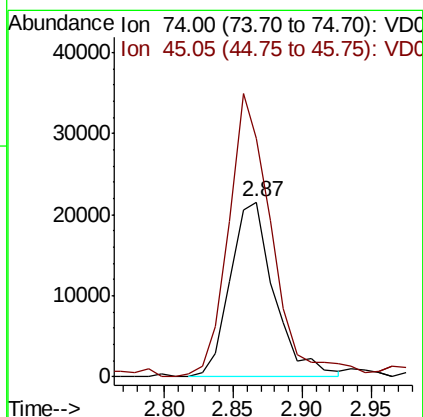
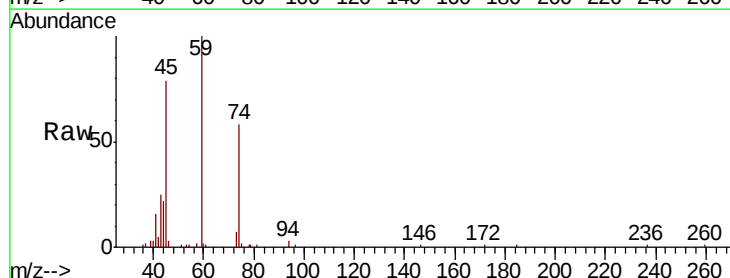
Tot Ion:101 Resp: 406648
 Ion Ratio Lower Upper
 101 100
 103 60.9 51.5 77.3

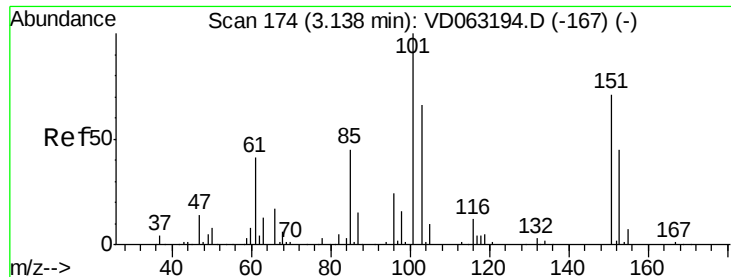


#8

Diethyl Ether
 Concen: 17.498 ug/l
 RT: 2.87 min Scan# 146
 Delta R.T. 0.00 min
 Lab File: VD063233.D
 Acq: 30 Jul 2019 11:22

Tgt Ion: 74 Resp: 47879
 Ion Ratio Lower Upper
 74 100
 45 136.4 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.109 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

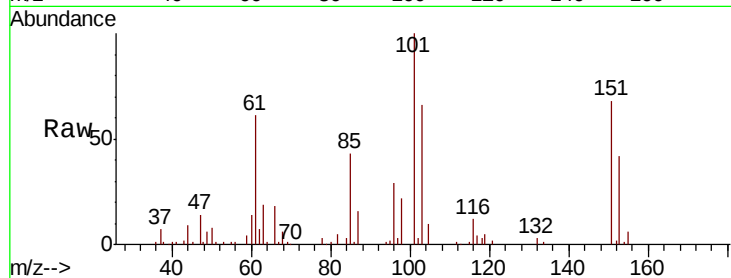
Tot Ion:101 Resp: 206953

Ion Ratio Lower Upper

101 100

85 43.2 36.1 54.1

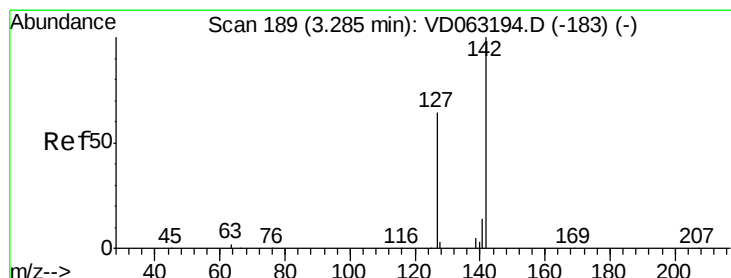
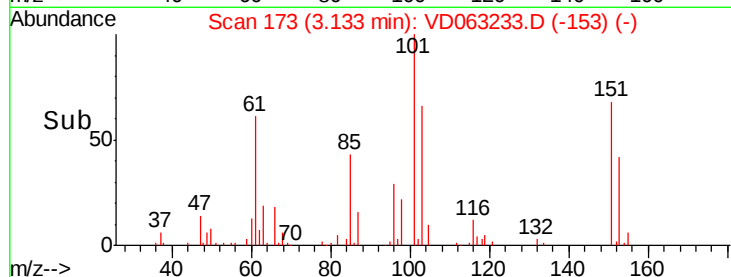
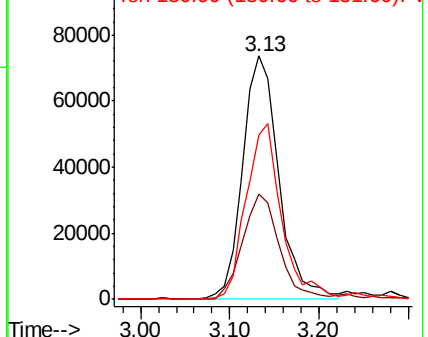
151 67.7 57.1 85.7



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: 16.950 ug/l

RT: 3.29 min Scan# 189

Delta R.T. 0.00 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

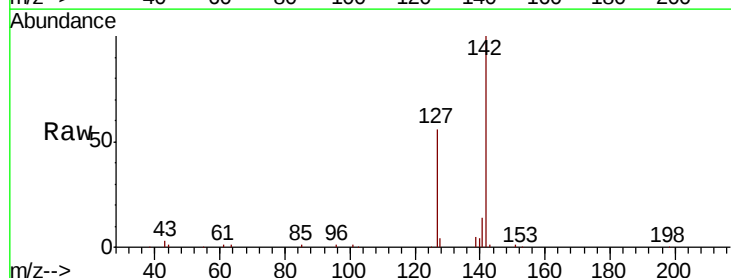
Tgt Ion:142 Resp: 265186

Ion Ratio Lower Upper

142 100

127 55.5 50.8 76.2

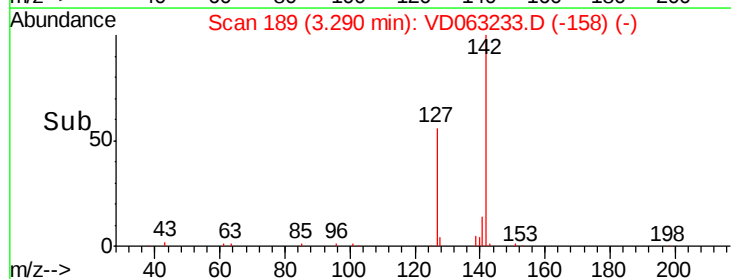
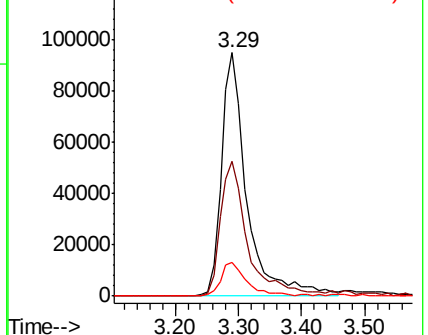
141 13.8 11.4 17.2

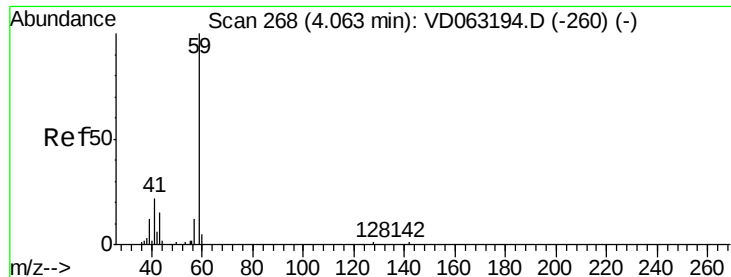


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



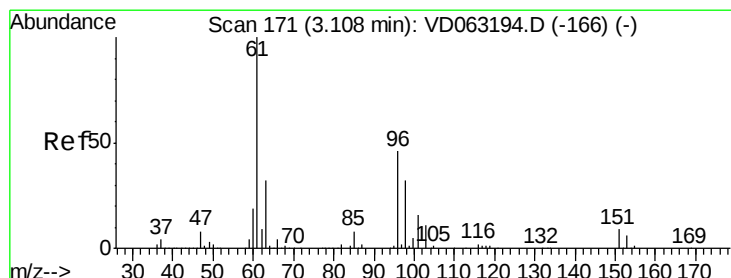
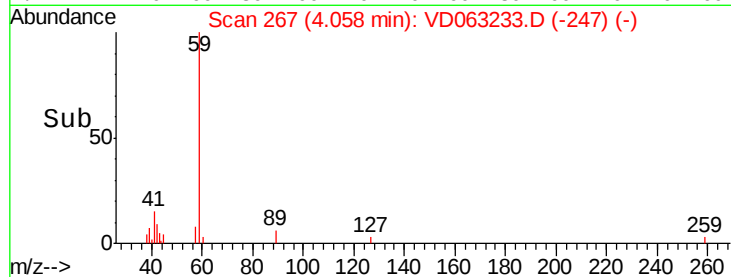
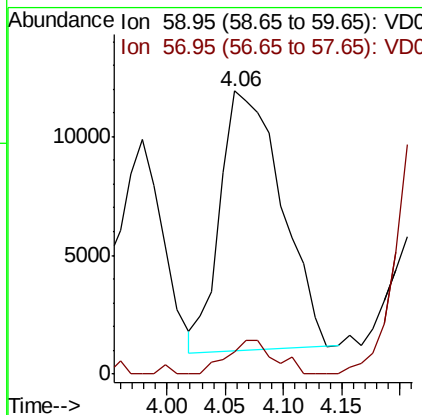
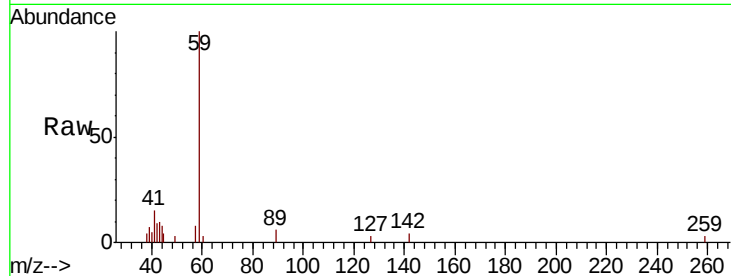


#11

Tert butyl alcohol
 Concen: 80.171 ug/l
 RT: 4.06 min Scan# 267
 Delta R.T. -0.01 min
 Lab File: VD063233.D
 Acq: 30 Jul 2019 11:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

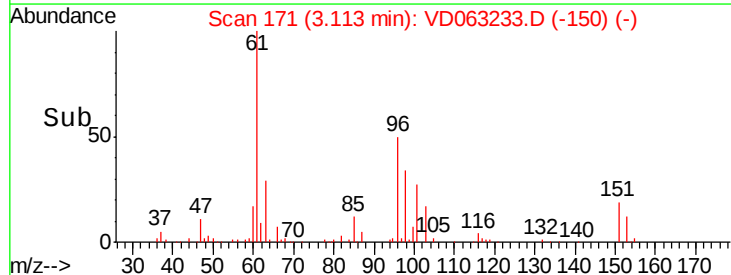
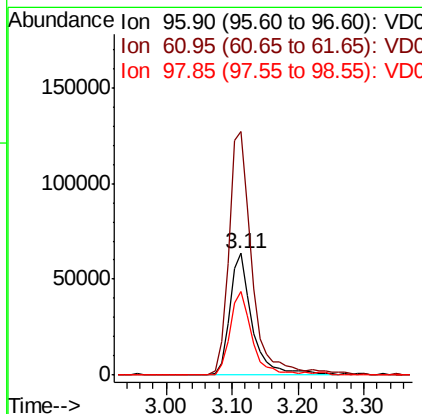
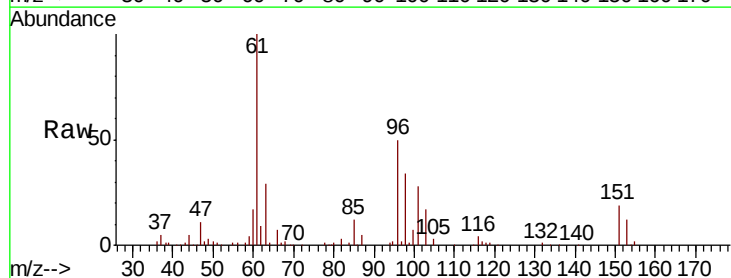
Tot Ion: 59 Resp: 40016
 Ion Ratio Lower Upper
 59 100
 57 8.0 9.6 14.4#

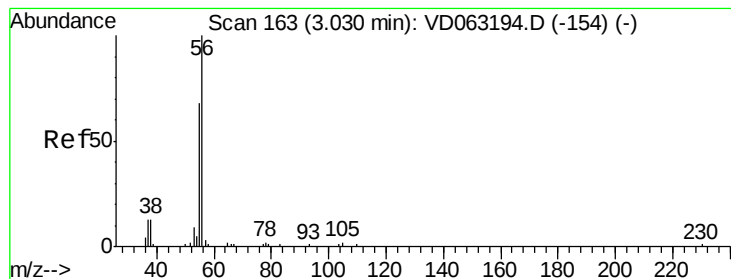


#12

1,1-Dichloroethene
 Concen: 19.105 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. 0.00 min
 Lab File: VD063233.D
 Acq: 30 Jul 2019 11:22

Tgt Ion: 96 Resp: 151893
 Ion Ratio Lower Upper
 96 100
 61 200.2 173.7 260.5
 98 68.9 55.8 83.8





#13

Acrolein

Concen: 97.250 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

Instrument :

MSVOA_D

ClientSampleId :

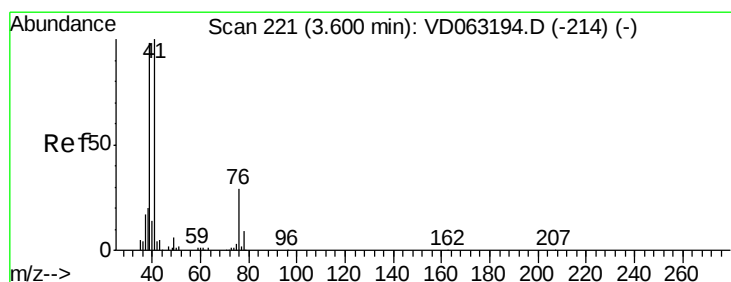
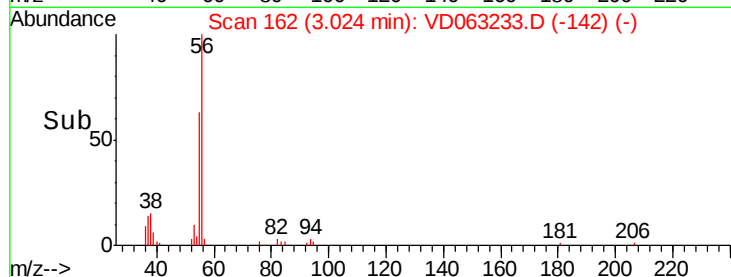
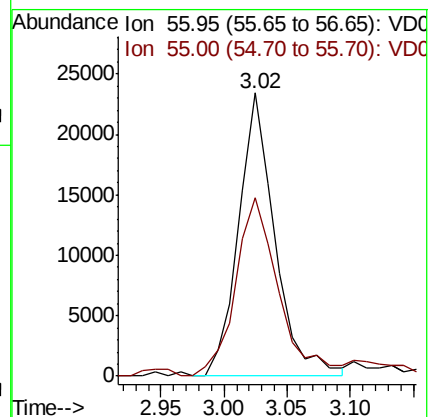
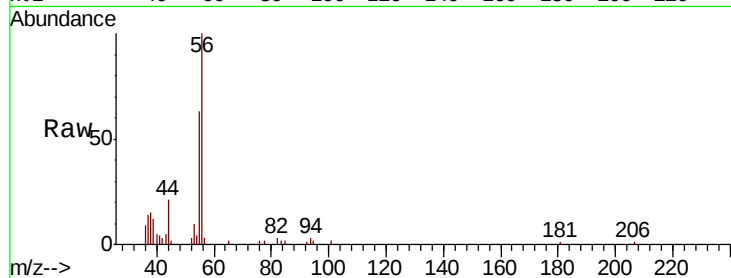
VD0730SBS01

Tot Ion: 56 Resp: 46716

Ion Ratio Lower Upper

56 100

55 62.9 55.3 82.9



#14

Allyl chloride

Concen: 19.124 ug/l

RT: 3.61 min Scan# 221

Delta R.T. 0.00 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

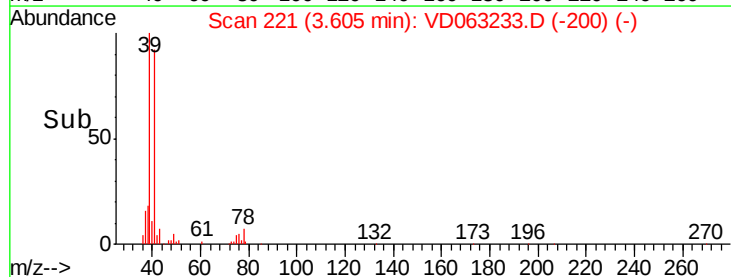
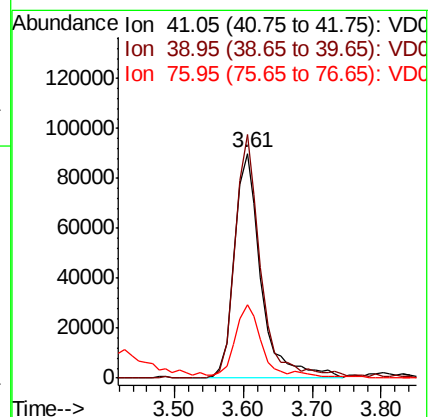
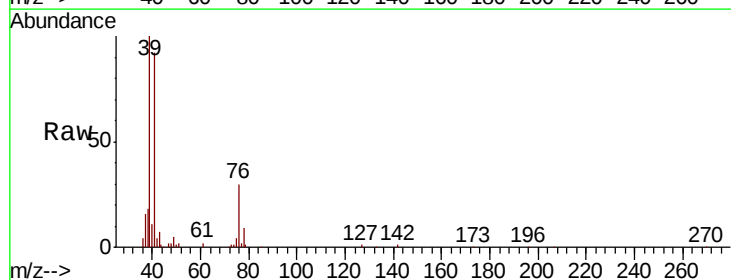
Tgt Ion: 41 Resp: 242211

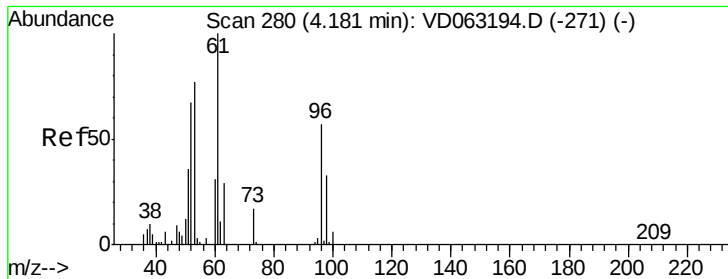
Ion Ratio Lower Upper

41 100

39 108.4 78.6 117.8

76 32.5 24.5 36.7





#15

Acrylonitrile

Concen: 88.550 ug/l

RT: 4.19 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

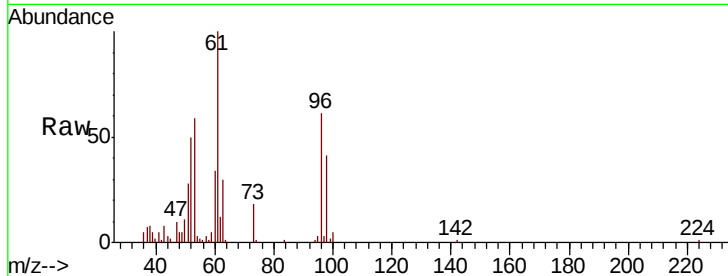
Tot Ion: 53 Resp: 114588

Ion Ratio Lower Upper

53 100

52 85.1 69.7 104.5

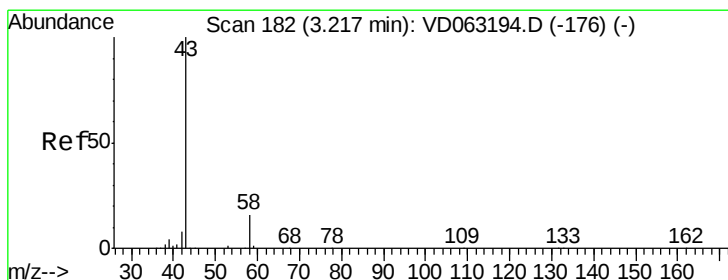
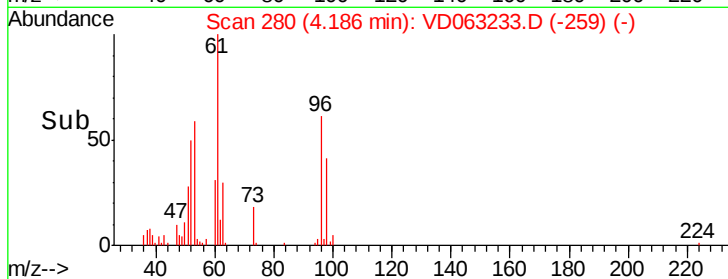
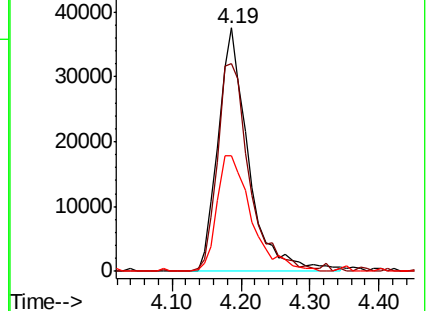
51 47.5 37.4 56.0



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 82.082 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063233.D

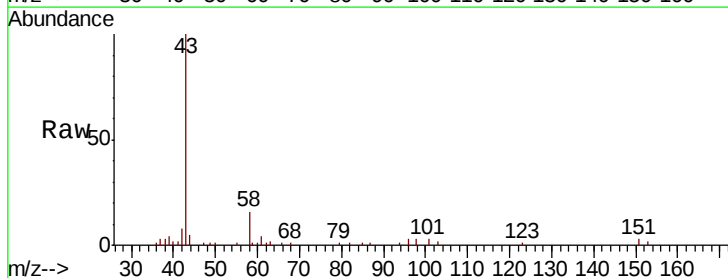
Acq: 30 Jul 2019 11:22

Tgt Ion: 43 Resp: 181897

Ion Ratio Lower Upper

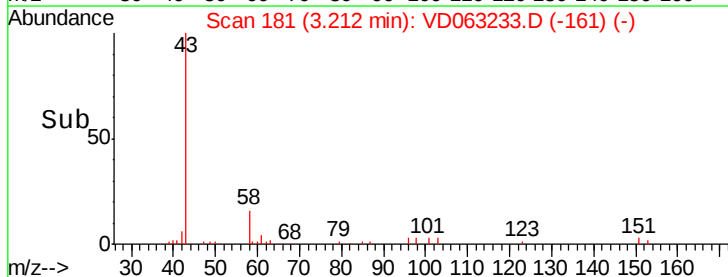
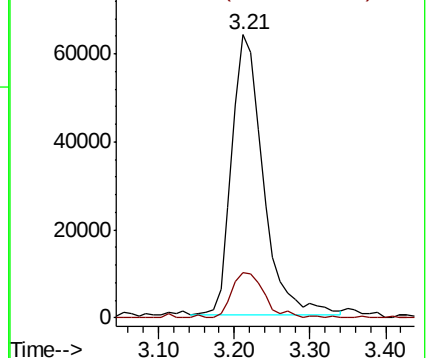
43 100

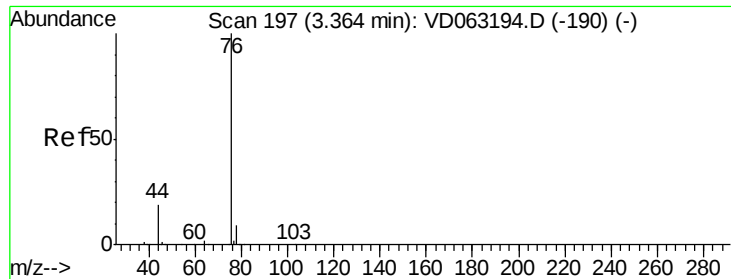
58 16.1 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

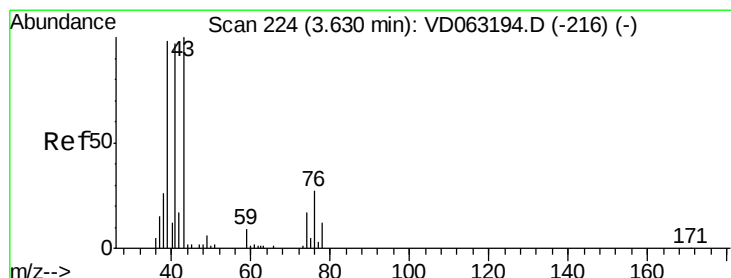
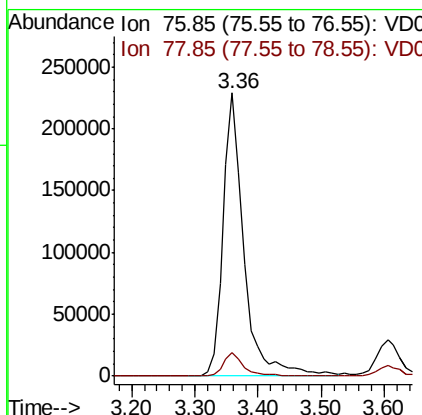
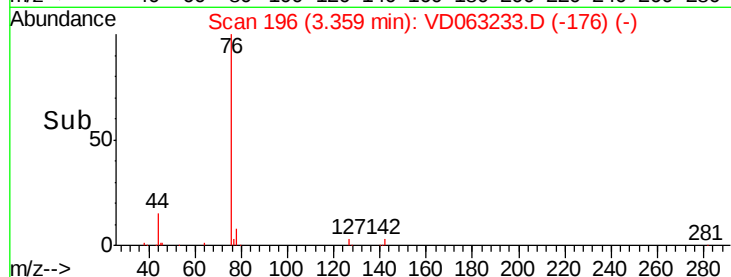
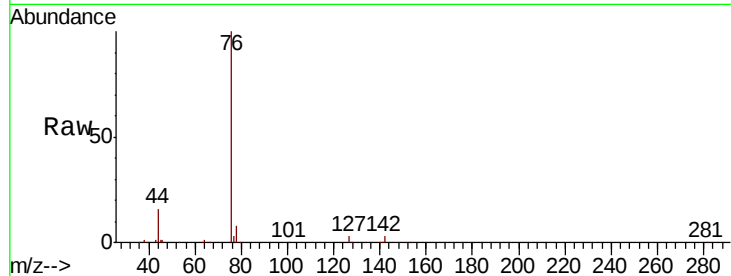




#17
Carbon Disulfide
Concen: 19.838 ug/l
RT: 3.36 min Scan# 196
Delta R.T. -0.01 min
Lab File: VD063233.D
Acq: 30 Jul 2019 11:22

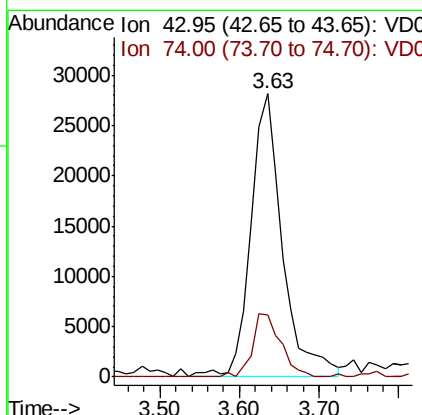
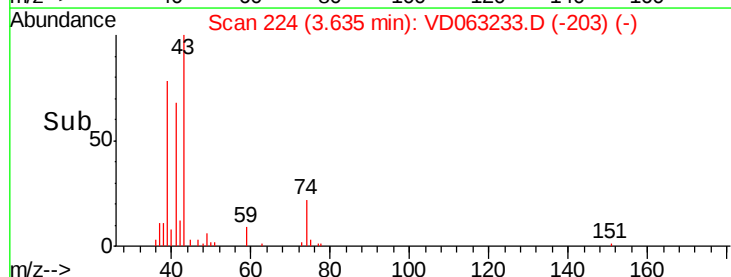
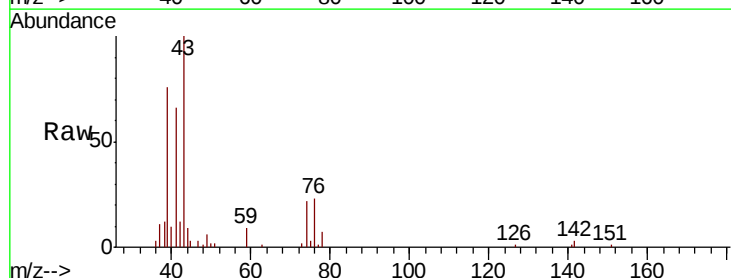
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

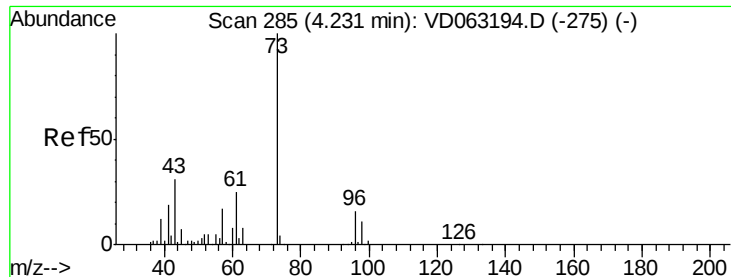
Tot Ion: 76 Resp: 527924
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.2



#18
Methyl Acetate
Concen: 18.033 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD063233.D
Acq: 30 Jul 2019 11:22

Tgt Ion: 43 Resp: 76761
Ion Ratio Lower Upper
43 100
74 21.8 13.8 20.8#

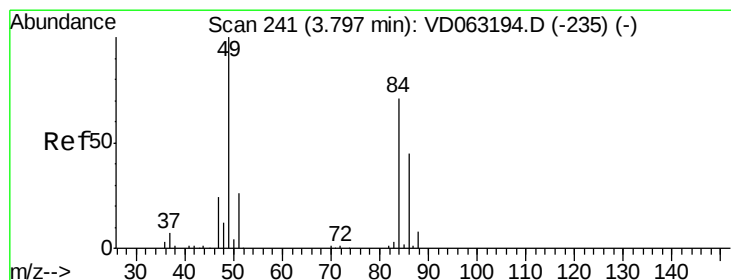
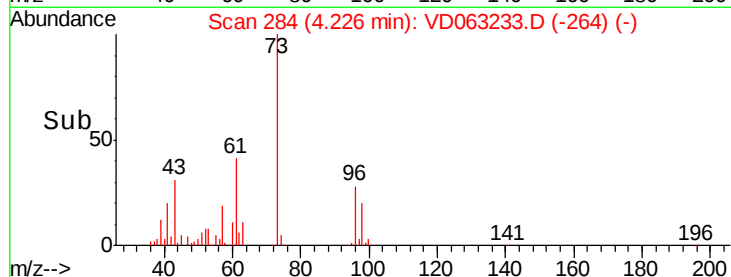
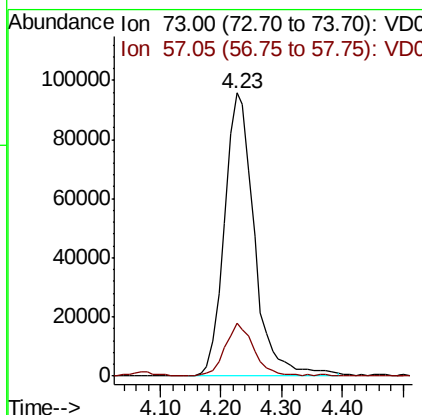
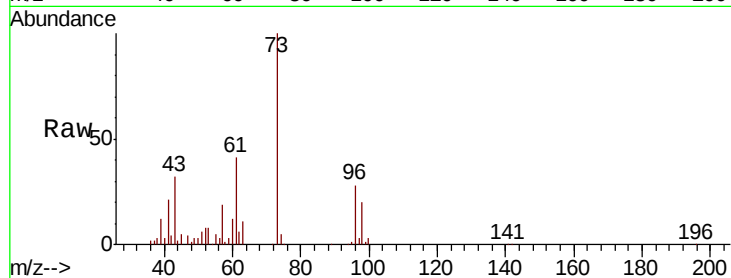




#19
Methyl tert-butyl Ether
Concen: 18.299 ug/l
RT: 4.23 min Scan# 284
Delta R.T. -0.01 min
Lab File: VD063233.D
Acq: 30 Jul 2019 11:22

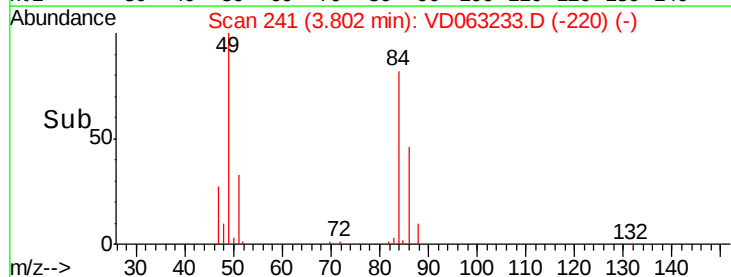
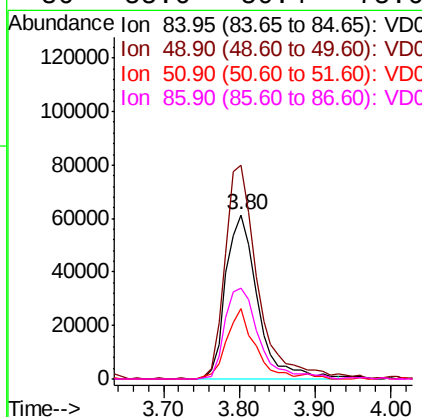
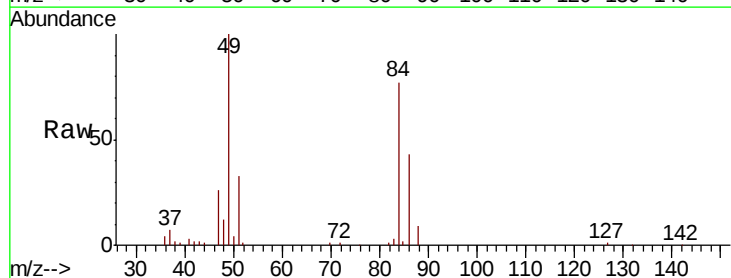
Instrument :
MSVOA_D
ClientSampleID :
VD0730SBS01

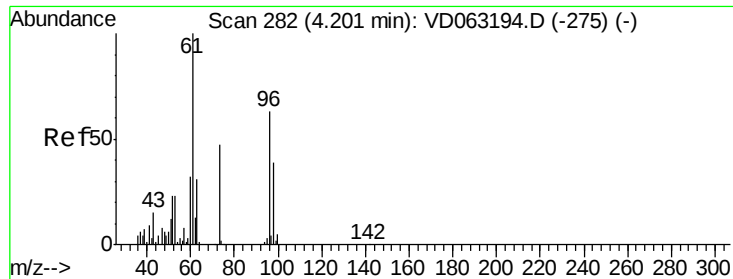
Tot Ion: 73 Resp: 328640
Ion Ratio Lower Upper
73 100
57 18.5 13.8 20.6



#20
Methylene Chloride
Concen: 20.010 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD063233.D
Acq: 30 Jul 2019 11:22

Tgt Ion: 84 Resp: 179242
Ion Ratio Lower Upper
84 100
49 130.4 112.5 168.7
51 42.7 29.6 44.4
86 55.6 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 19.262 ug/l

RT: 4.20 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

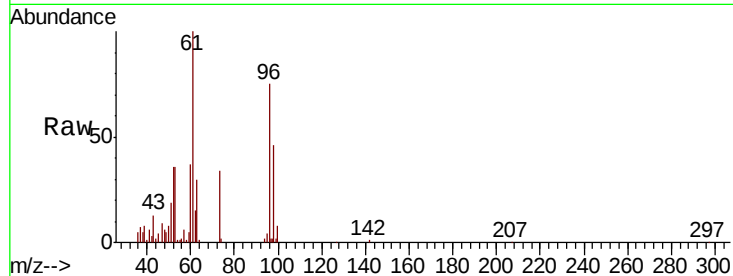
Tot Ion: 96 Resp: 171830

Ion Ratio Lower Upper

96 100

61 133.5 127.4 191.2

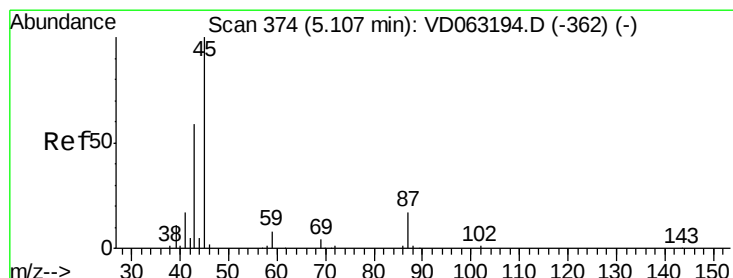
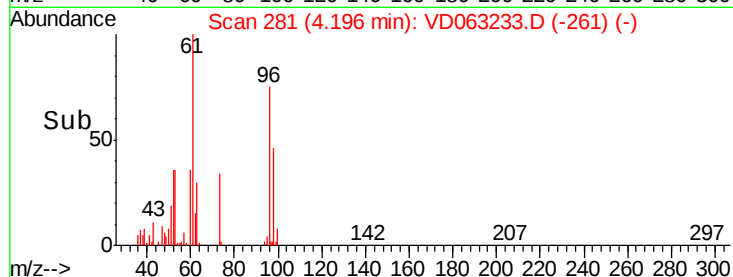
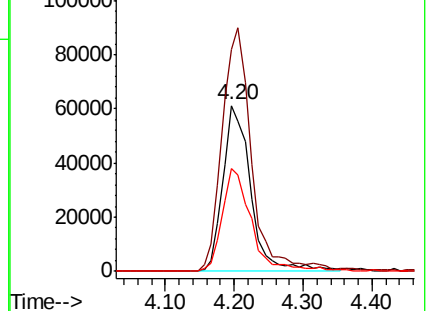
98 61.6 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 18.090 ug/l

RT: 5.10 min Scan# 373

Delta R.T. -0.01 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

Tgt Ion: 45 Resp: 457743

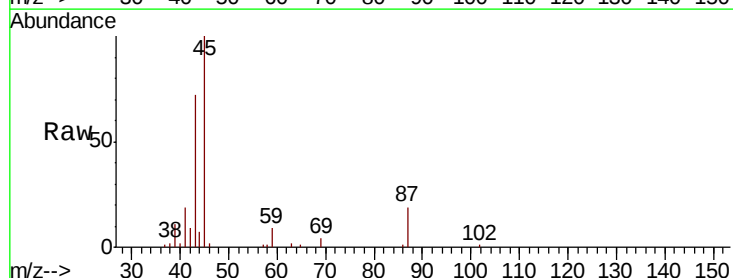
Ion Ratio Lower Upper

45 100

43 71.7 51.7 77.5

87 18.6 14.6 21.8

59 8.7 6.6 10.0

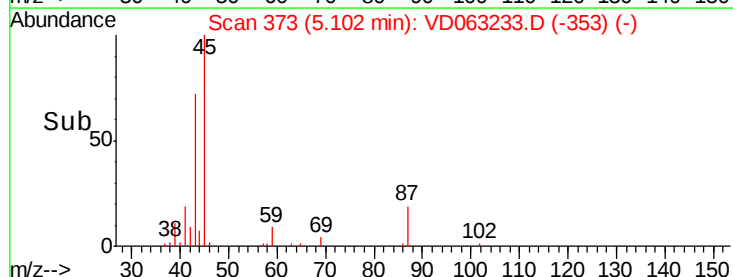
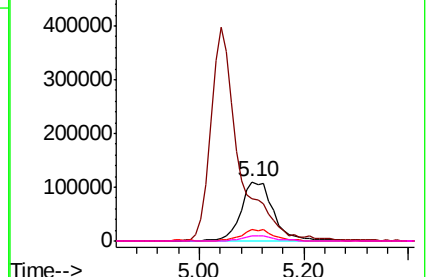


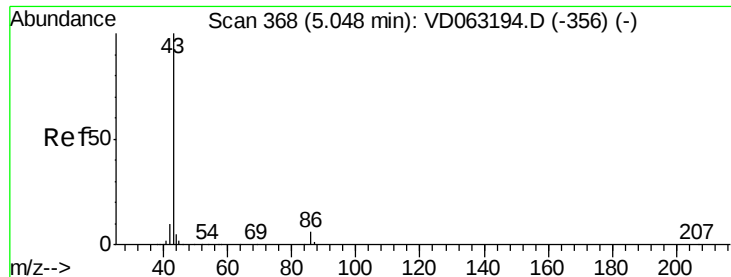
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 94.392 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

Instrument :

MSVOA_D

ClientSampleId :

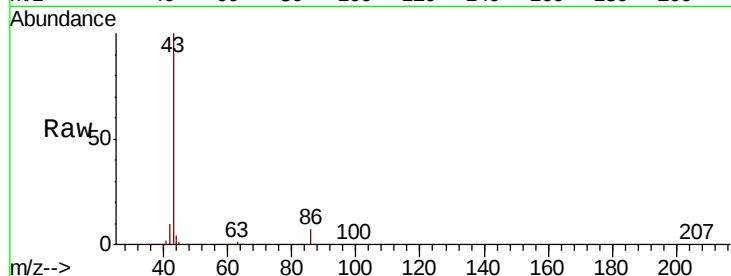
VD0730SBS01

Tot Ion: 43 Resp: 1468233

Ion Ratio Lower Upper

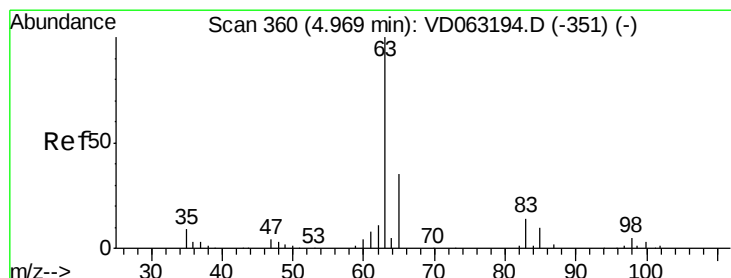
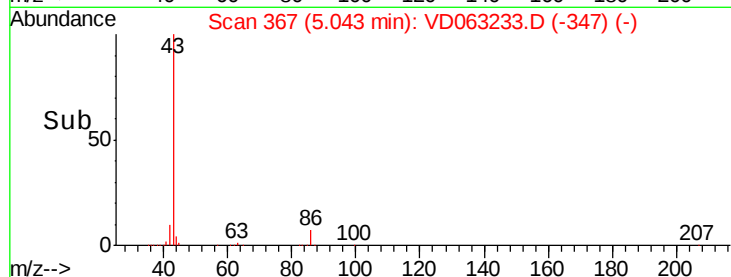
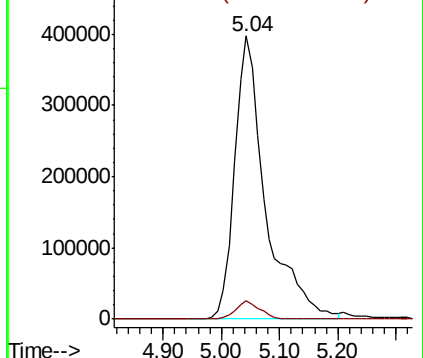
43 100

86 6.5 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: 19.334 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.01 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

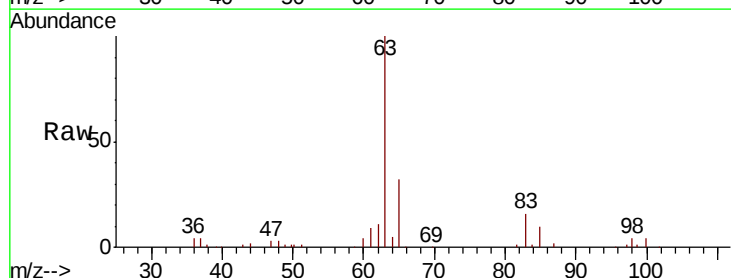
Tgt Ion: 63 Resp: 312496

Ion Ratio Lower Upper

63 100

98 4.8 2.8 8.4

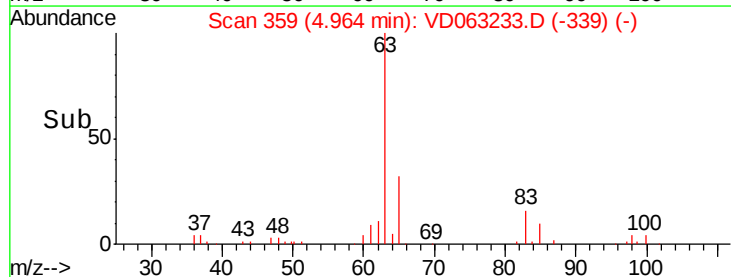
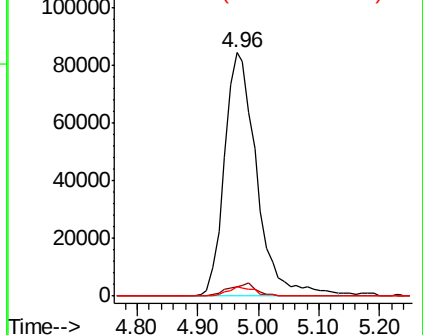
100 3.7 1.3 3.9

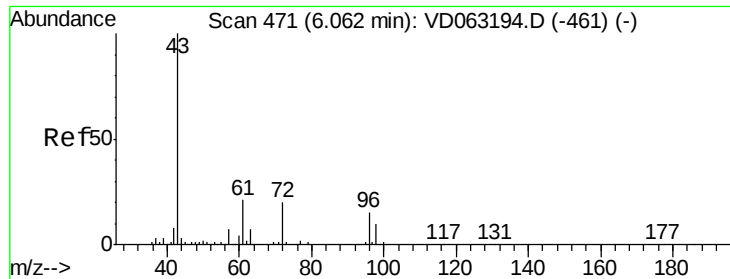


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 89.404 ug/l

RT: 6.07 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

Instrument :

MSVOA_D

ClientSampleId :

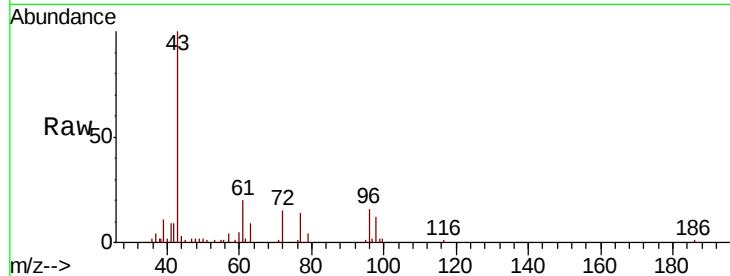
VD0730SBS01

Tot Ion: 43 Resp: 198835

Ion Ratio Lower Upper

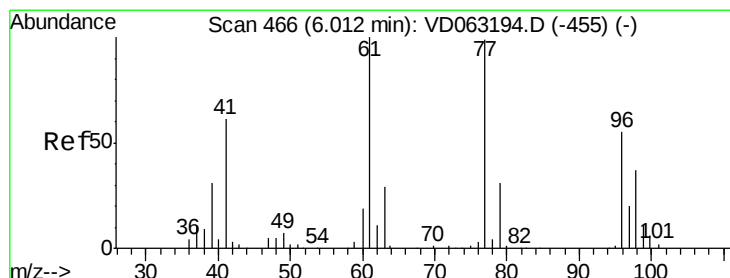
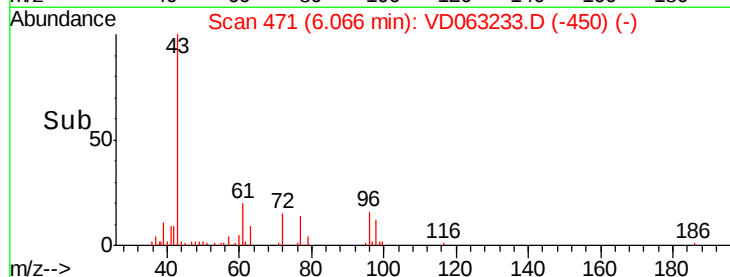
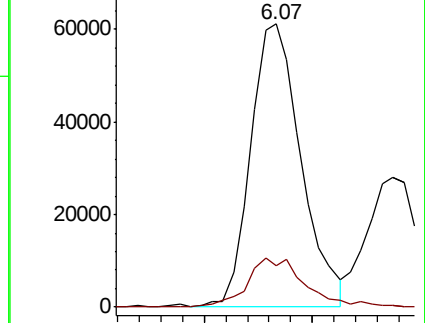
43 100

72 14.7 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: 18.965 ug/l

RT: 6.01 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD063233.D

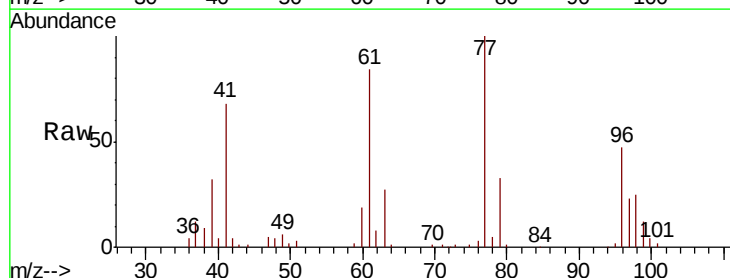
Acq: 30 Jul 2019 11:22

Tgt Ion: 77 Resp: 315892

Ion Ratio Lower Upper

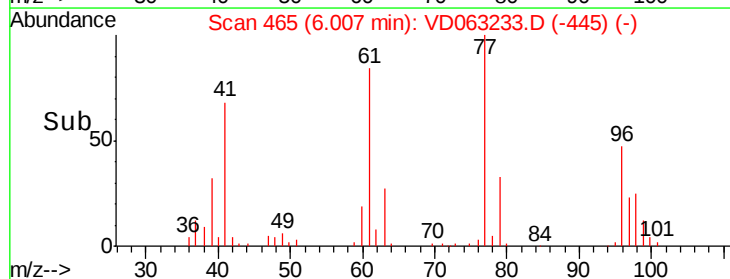
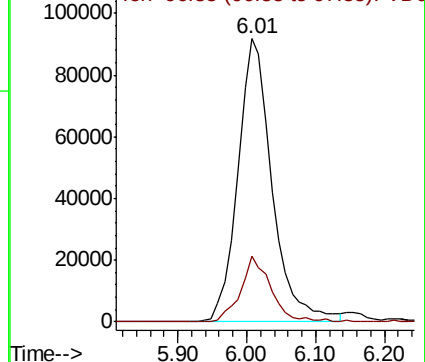
77 100

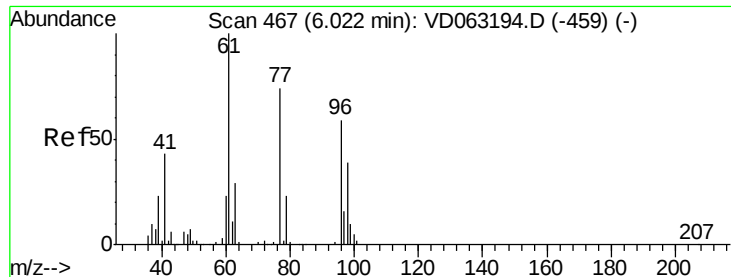
97 23.3 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



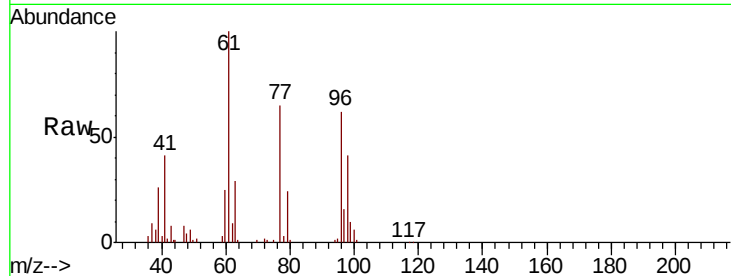


#27

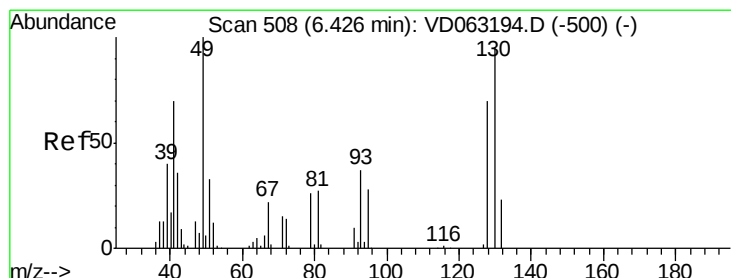
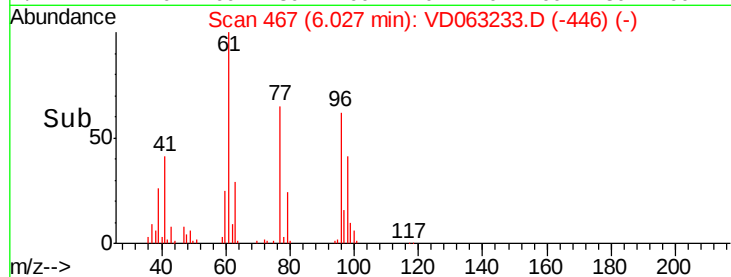
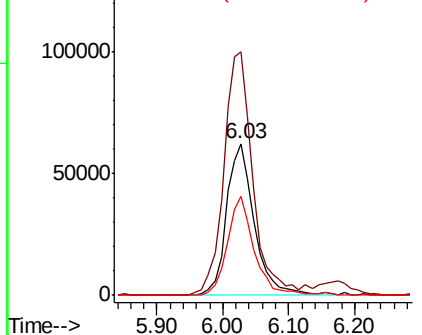
cis-1,2-Dichloroethene
 Concen: 19.297 ug/l
 RT: 6.03 min Scan# 467
 Delta R.T. 0.00 min
 Lab File: VD063233.D
 Acq: 30 Jul 2019 11:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Tot Ion	96	Resp	184564
Ion Ratio	Lower	Upper	
96	100		
61	160.7	0.0	337.2
98	65.4	0.0	130.6



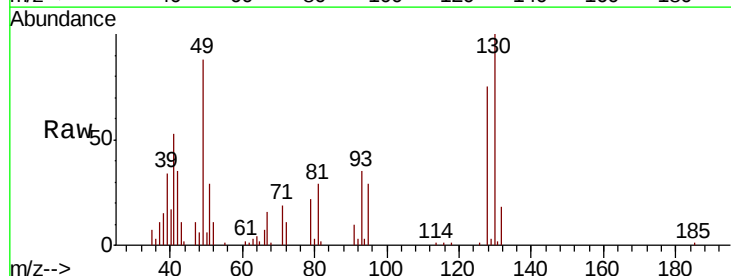
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



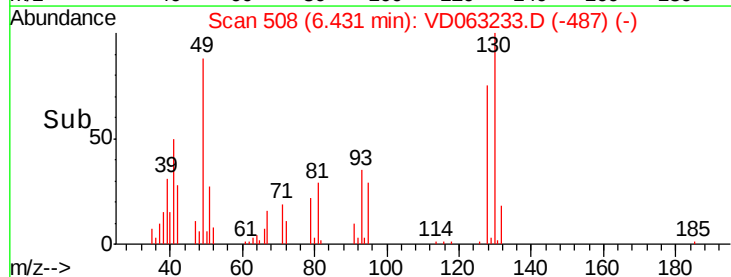
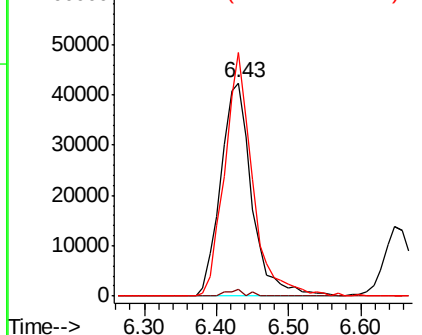
#28

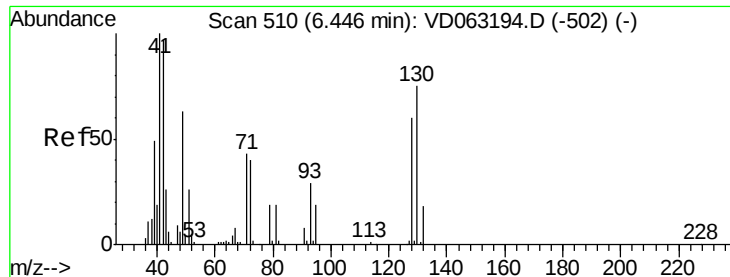
Bromochloromethane
 Concen: 19.637 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VD063233.D
 Acq: 30 Jul 2019 11:22

Tgt Ion	49	Resp	126458
Ion Ratio	Lower	Upper	
49	100		
129	3.0	0.0	0.0#
130	114.1	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: 85.967 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

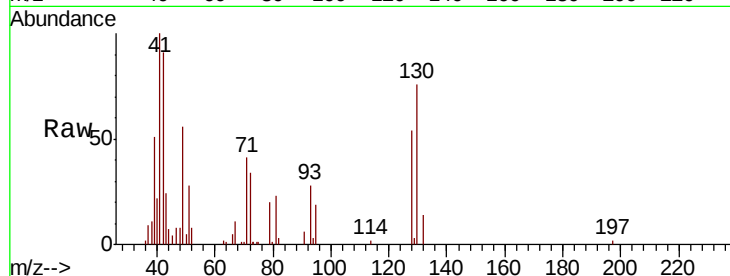
Tot Ion: 42 Resp: 90519

Ion Ratio Lower Upper

42 100

72 43.7 33.4 50.2

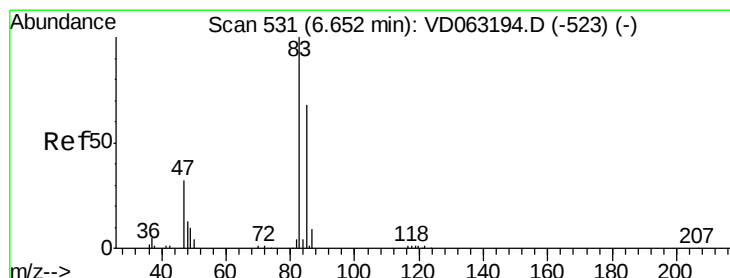
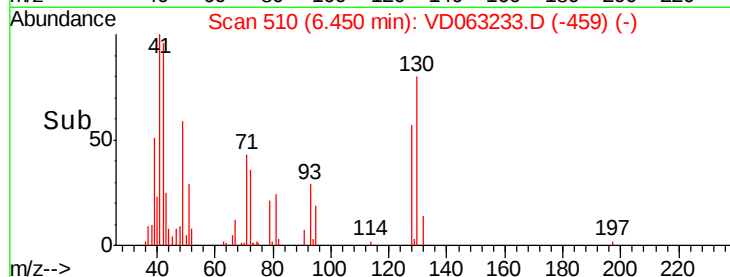
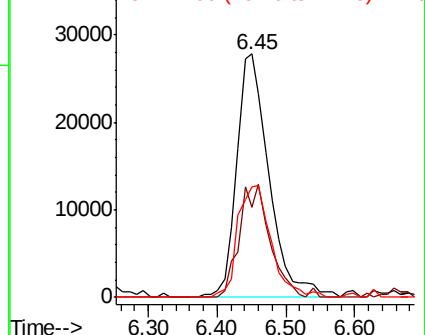
71 47.2 35.7 53.5



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: 19.295 ug/l

RT: 6.66 min Scan# 531

Delta R.T. 0.00 min

Lab File: VD063233.D

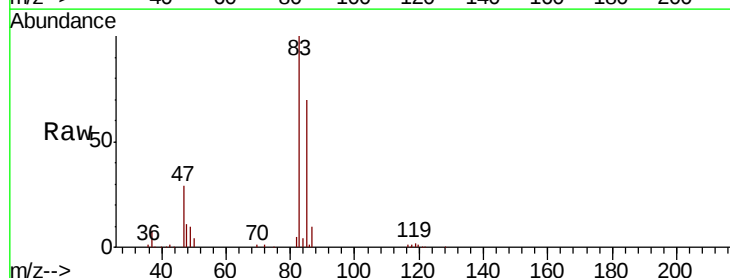
Acq: 30 Jul 2019 11:22

Tgt Ion: 83 Resp: 387037

Ion Ratio Lower Upper

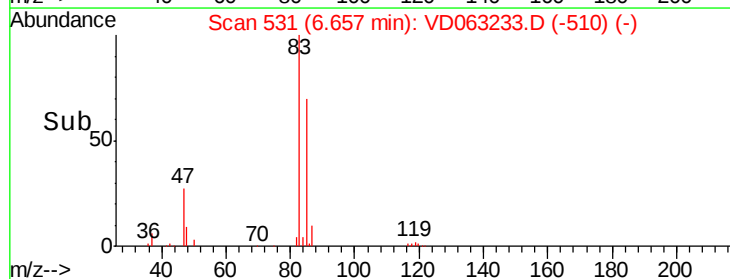
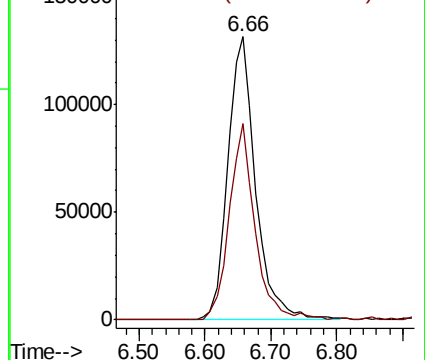
83 100

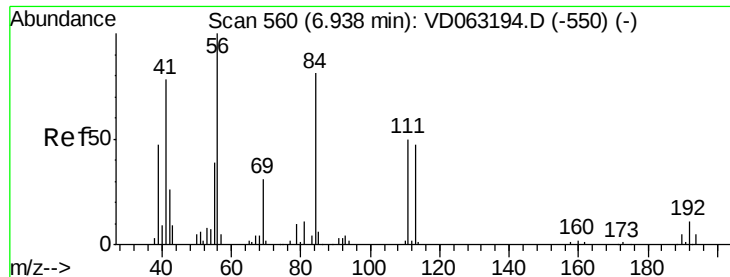
85 69.6 54.2 81.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

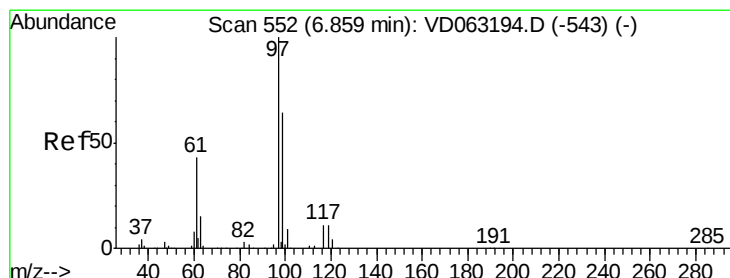
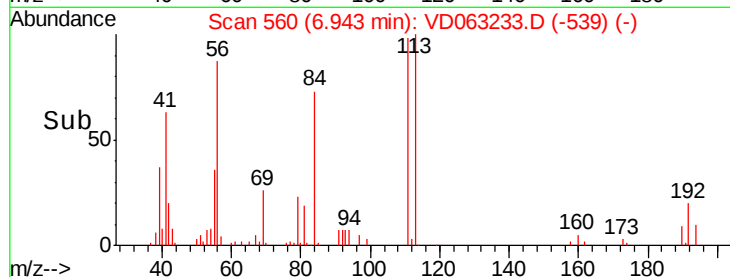
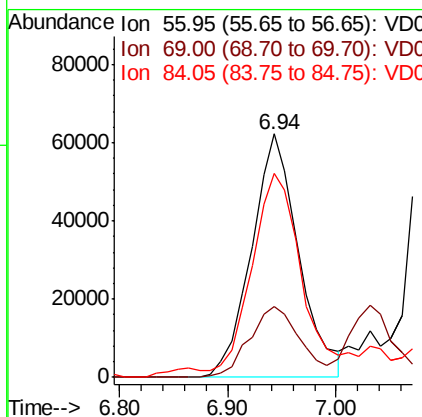
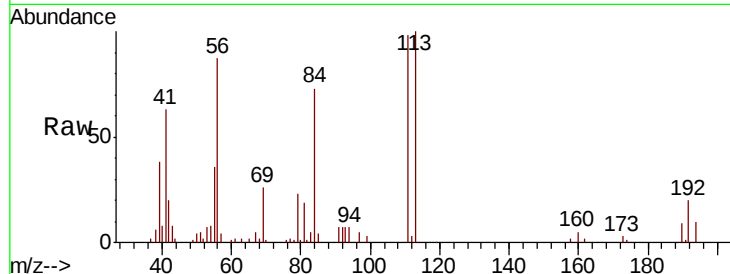




#31
Cyclohexane
Concen: 18.572 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.00 min
Lab File: VD063233.D
Acq: 30 Jul 2019 11:22

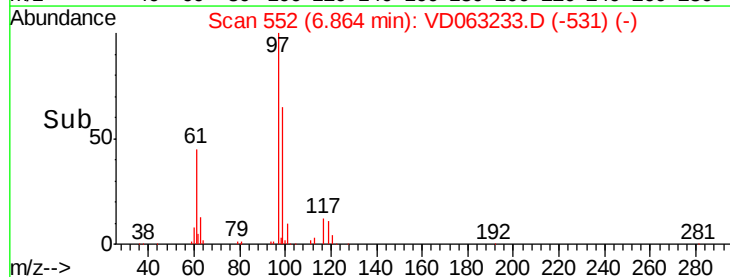
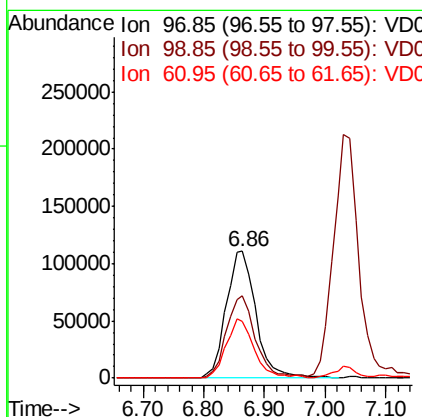
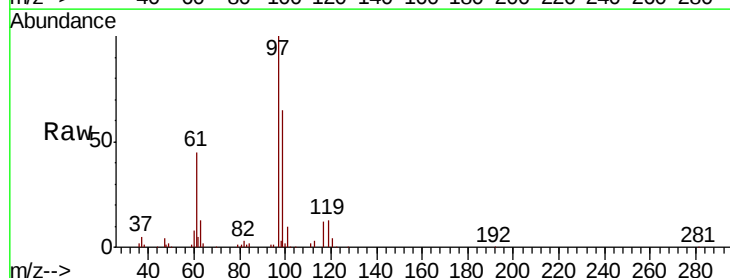
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

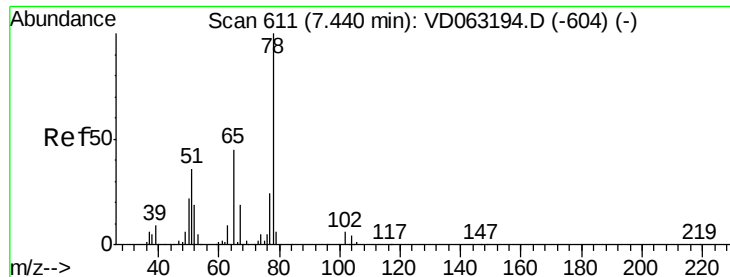
Tot Ion	56	Resp	188157
Ion Ratio	Lower	Upper	
56	100		
69	29.3	24.5	36.7
84	83.7	64.9	97.3



#32
1,1,1-Trichloroethane
Concen: 19.485 ug/l
RT: 6.86 min Scan# 552
Delta R.T. 0.00 min
Lab File: VD063233.D
Acq: 30 Jul 2019 11:22

Tgt Ion	97	Resp	378051
Ion Ratio	Lower	Upper	
97	100		
99	65.3	51.2	76.8
61	45.3	34.2	51.2

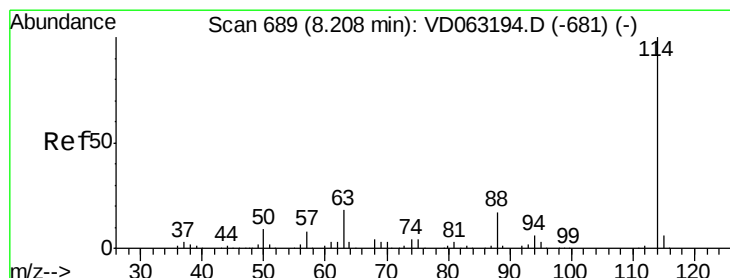
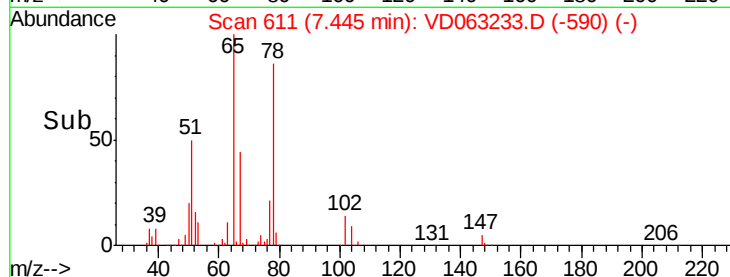
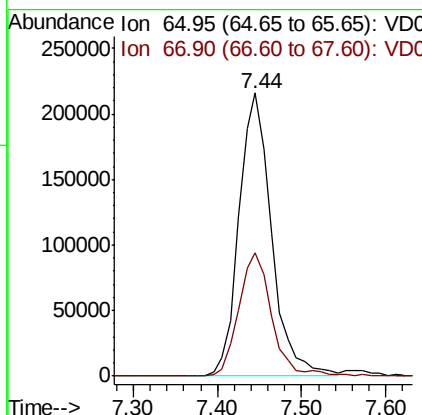
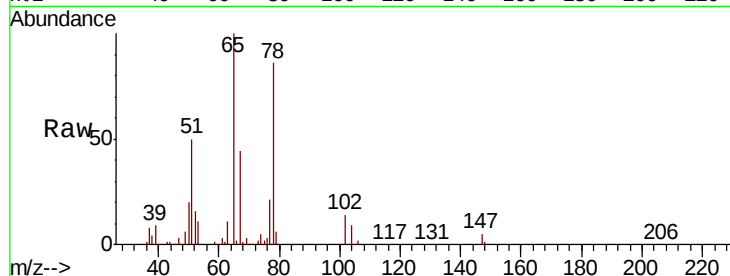




#33
 1,2-Dichloroethane-d4
 Concen: 51.388 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VD063233.D
 Acq: 30 Jul 2019 11:22

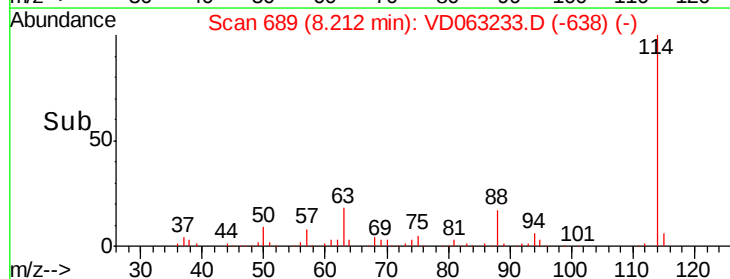
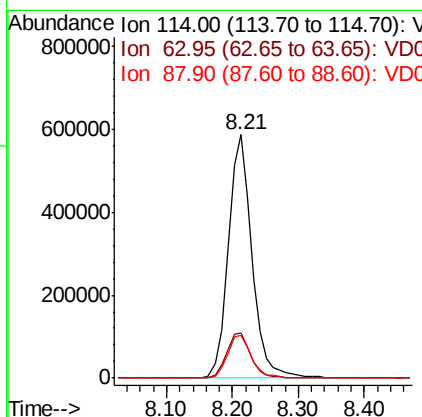
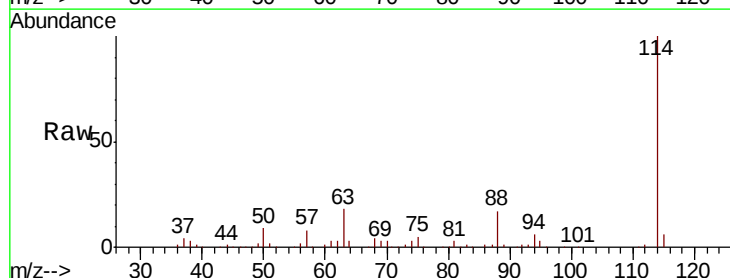
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

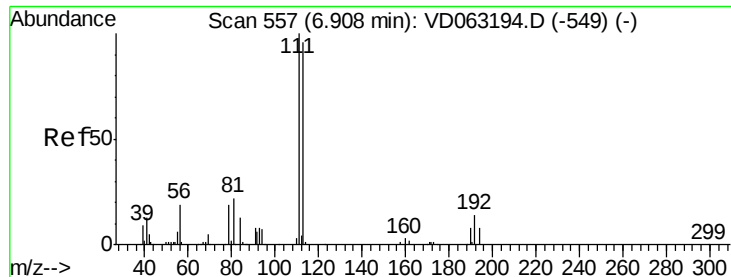
Tot Ion: 65 Resp: 584476
 Ion Ratio Lower Upper
 65 100
 67 43.5 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063233.D
 Acq: 30 Jul 2019 11:22

Tgt Ion: 114 Resp: 1481014
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 35.2
 88 17.4 0.0 34.6

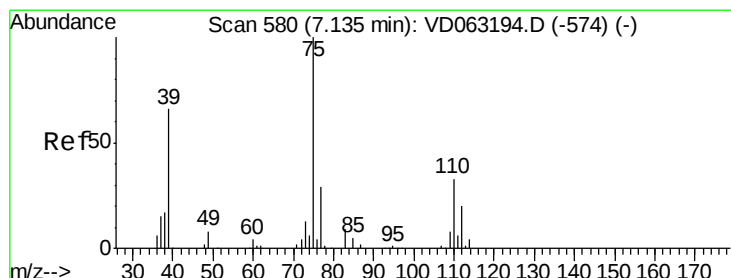
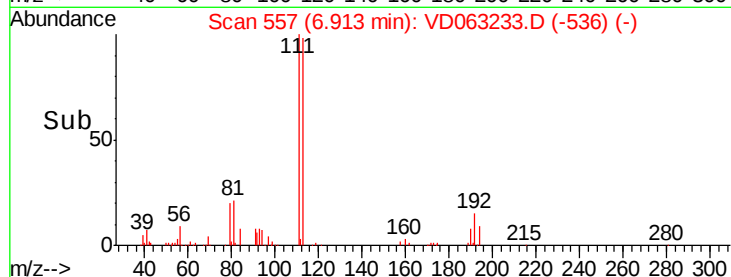
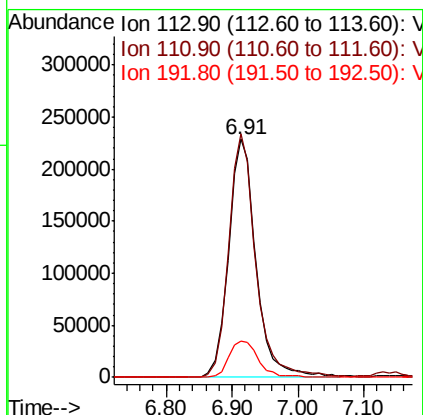
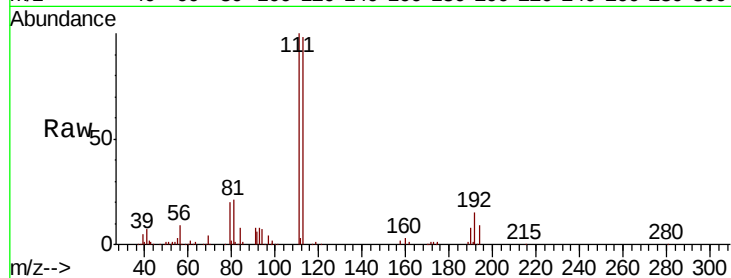




#35
Dibromofluoromethane
Concen: 52.523 ug/l
RT: 6.91 min Scan# 557
Delta R.T. 0.00 min
Lab File: VD063233.D
Acq: 30 Jul 2019 11:22

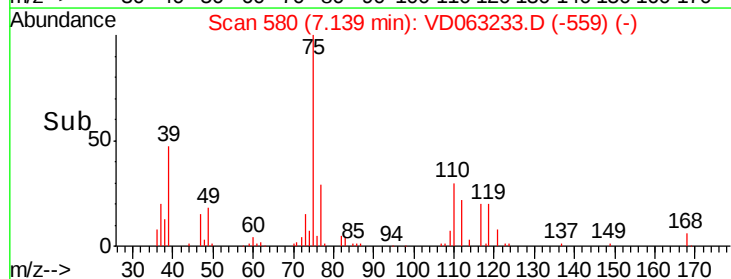
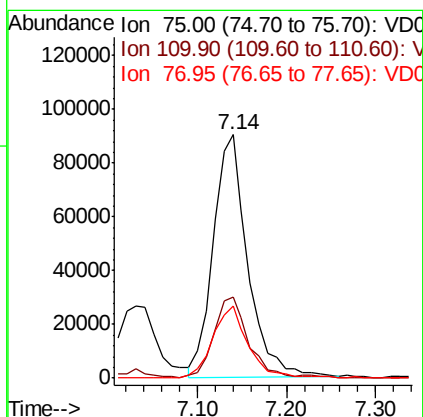
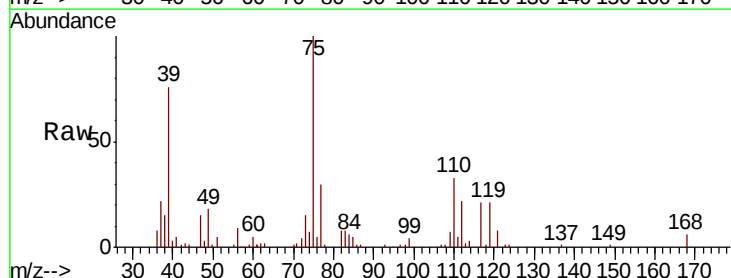
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

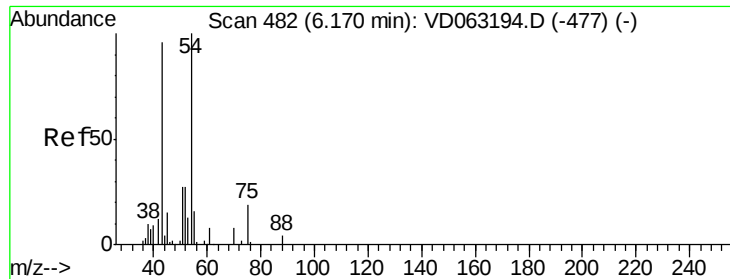
Tot Ion:113 Resp: 664141
Ion Ratio Lower Upper
113 100
111 102.2 83.2 124.8
192 15.2 11.8 17.8



#36
1,1-Dichloropropene
Concen: 18.078 ug/l
RT: 7.14 min Scan# 580
Delta R.T. 0.00 min
Lab File: VD063233.D
Acq: 30 Jul 2019 11:22

Tgt Ion: 75 Resp: 244341
Ion Ratio Lower Upper
75 100
110 33.4 16.1 48.2
77 29.8 22.7 34.1

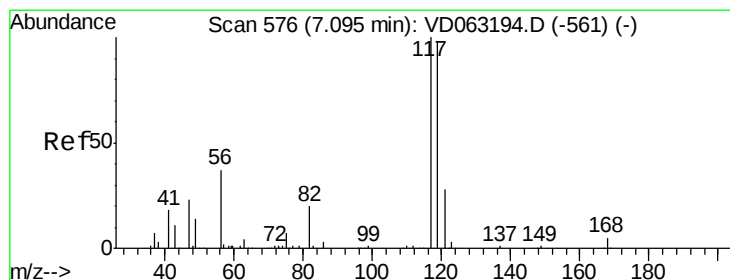
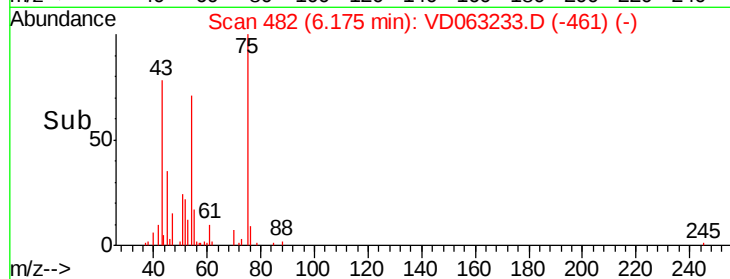
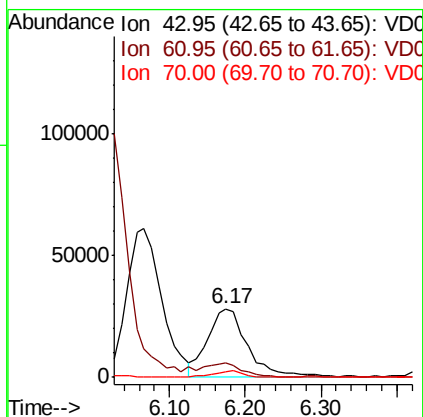
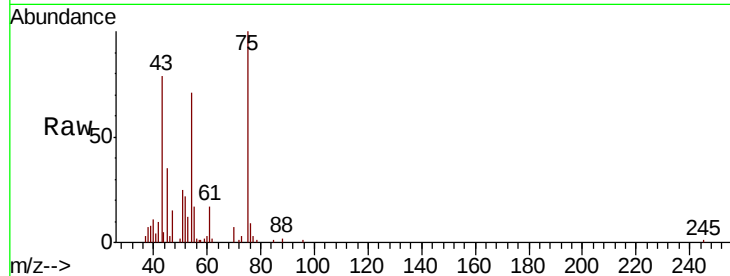




#37
Ethyl Acetate
Concen: 16.614 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.00 min
Lab File: VD063233.D
Acq: 30 Jul 2019 11:22

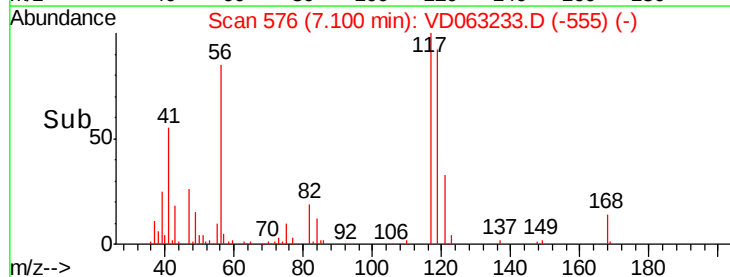
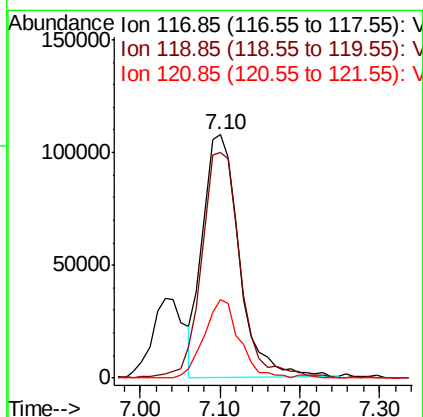
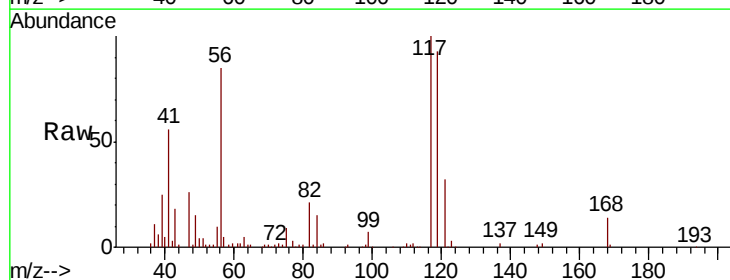
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

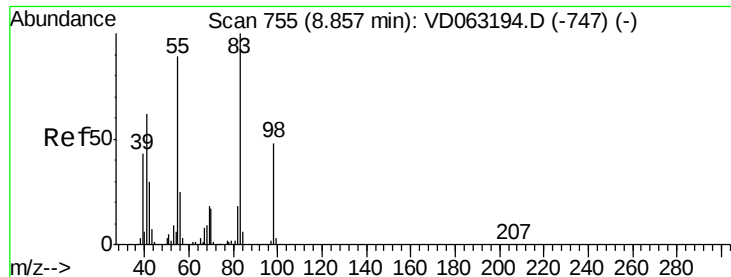
Tot Ion: 43 Resp: 100887
Ion Ratio Lower Upper
43 100
61 21.4 11.3 16.9#
70 8.7 5.1 7.7#



#38
Carbon Tetrachloride
Concen: 16.898 ug/l
RT: 7.10 min Scan# 576
Delta R.T. 0.00 min
Lab File: VD063233.D
Acq: 30 Jul 2019 11:22

Tgt Ion: 117 Resp: 343843
Ion Ratio Lower Upper
117 100
119 92.8 78.2 117.2
121 32.3 22.1 33.1





#39

Methvlcvclohexane

Concen: 18.560 ug/l

RT: 8.85 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

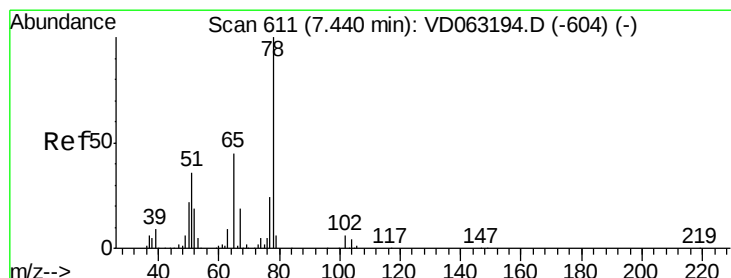
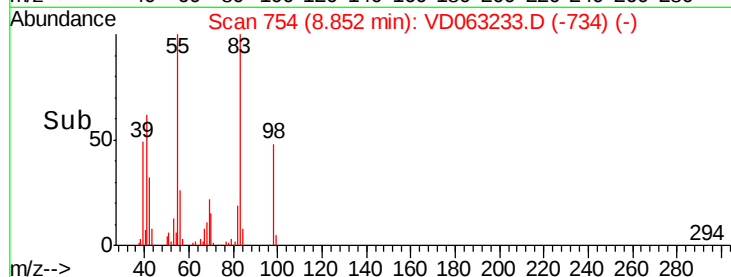
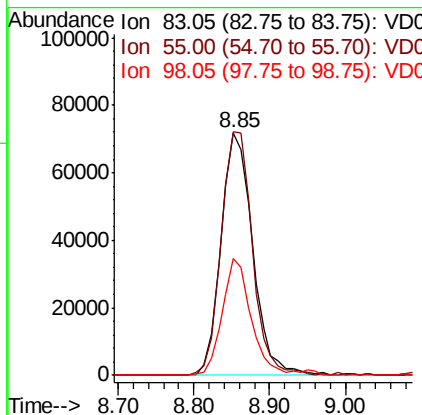
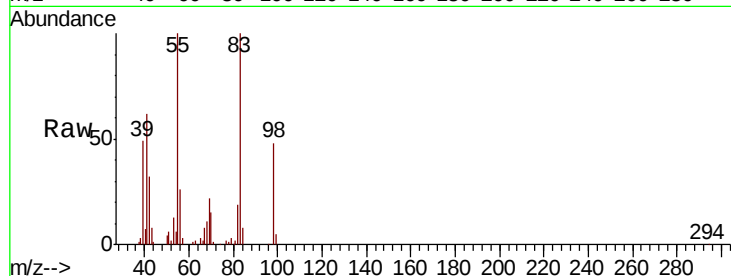
Tot Ion: 83 Resp: 209013

Ion Ratio Lower Upper

83 100

55 100.4 71.1 106.7

98 48.0 38.5 57.7



#40

Benzene

Concen: 18.052 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.00 min

Lab File: VD063233.D

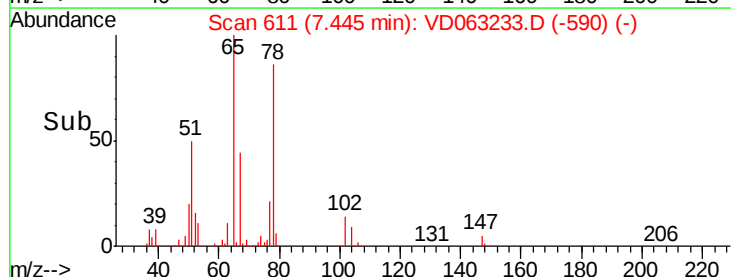
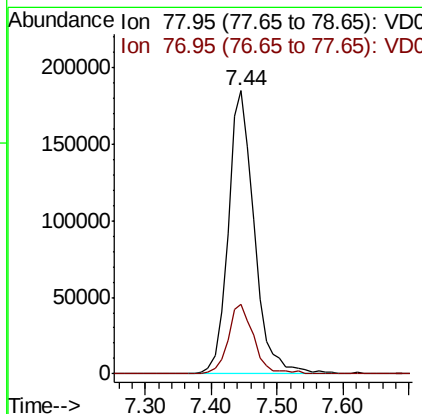
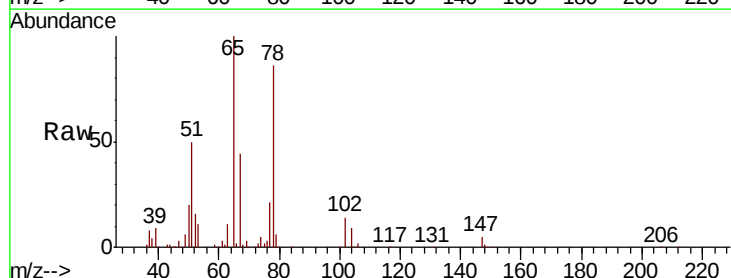
Acq: 30 Jul 2019 11:22

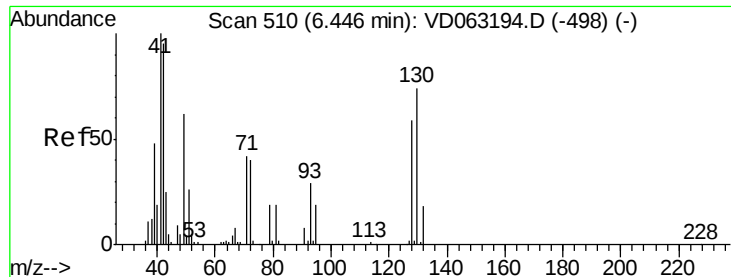
Tgt Ion: 78 Resp: 511351

Ion Ratio Lower Upper

78 100

77 24.7 19.4 29.2

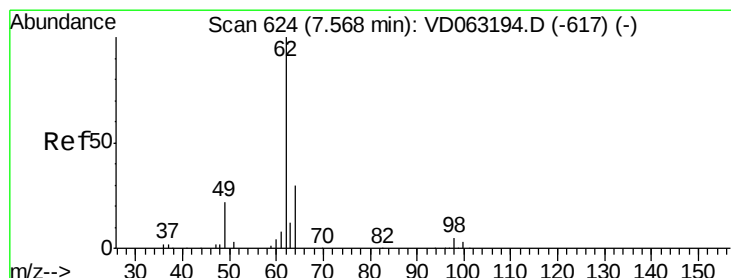
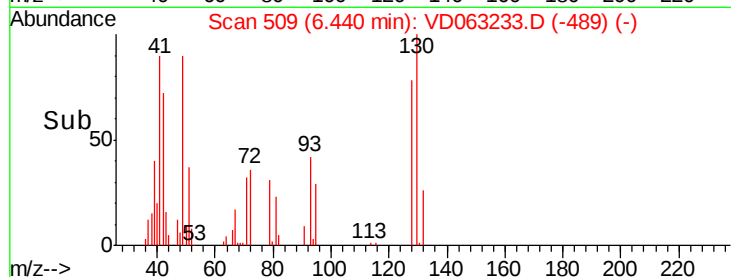
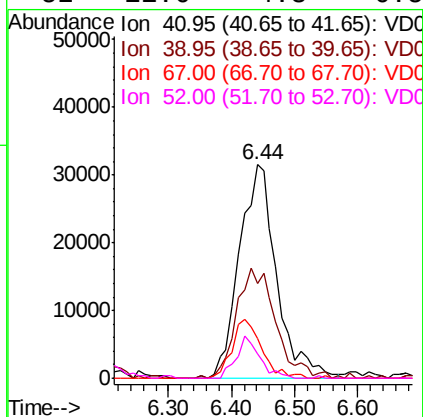
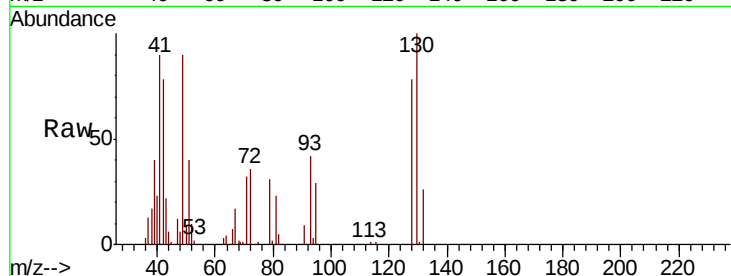




#41
Methacrylonitrile
Concen: 17.775 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD063233.D
Acq: 30 Jul 2019 11:22

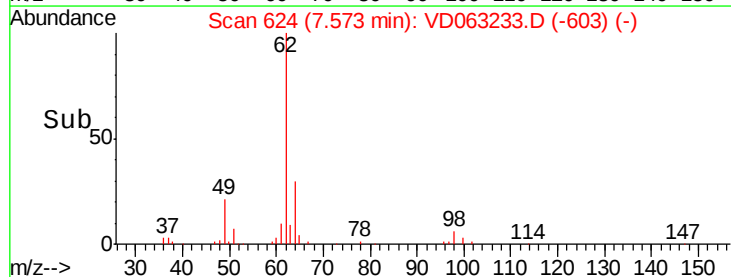
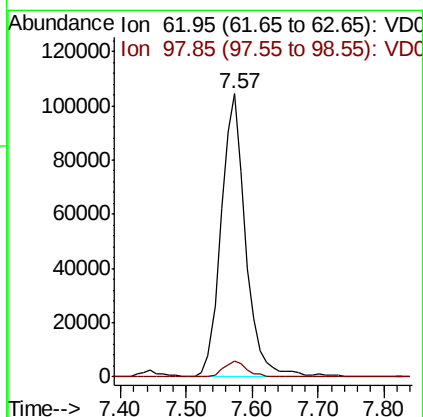
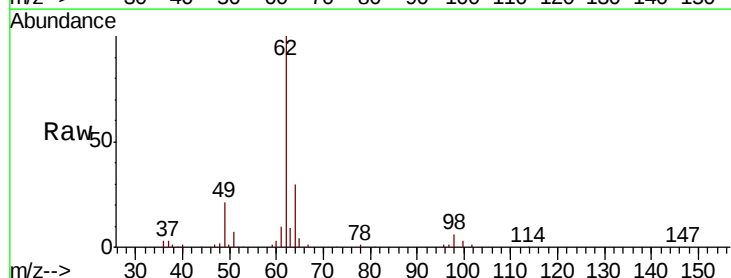
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

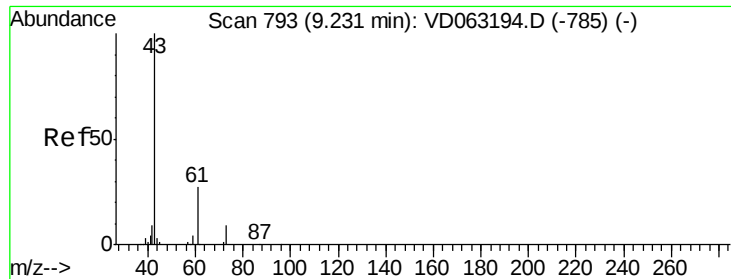
Tot Ion: 41 Resp: 129111
Ion Ratio Lower Upper
41 100
39 44.1 38.4 57.6
67 18.4 6.7 10.1#
52 11.6 4.3 6.5#



#42
1,2-Dichloroethane
Concen: 18.106 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.00 min
Lab File: VD063233.D
Acq: 30 Jul 2019 11:22

Tgt Ion: 62 Resp: 271818
Ion Ratio Lower Upper
62 100
98 5.6 0.0 9.8



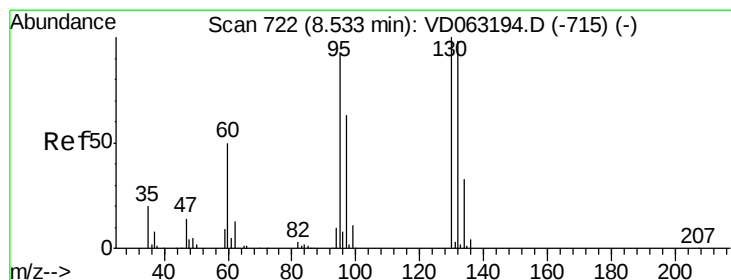
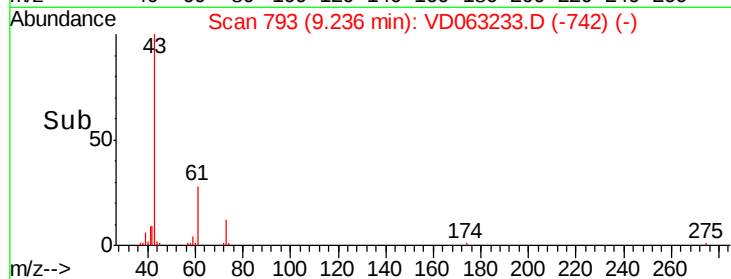
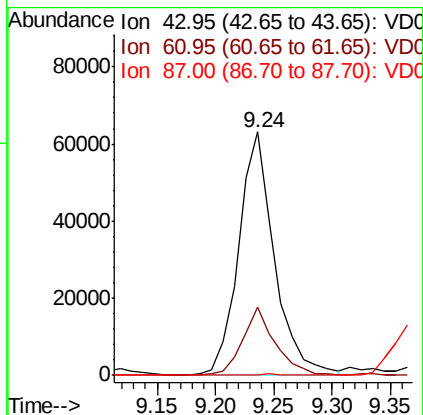
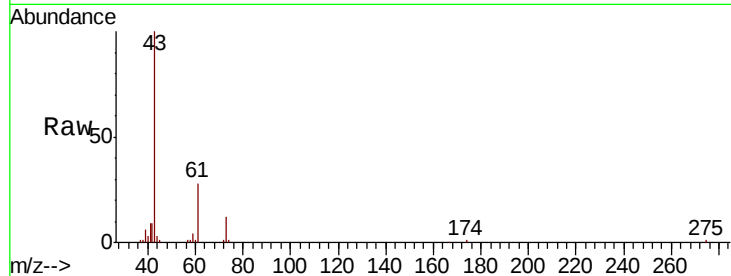


#43

Isopropyl Acetate
 Concen: 17.260 ug/l
 RT: 9.24 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VD063233.D
 Acq: 30 Jul 2019 11:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

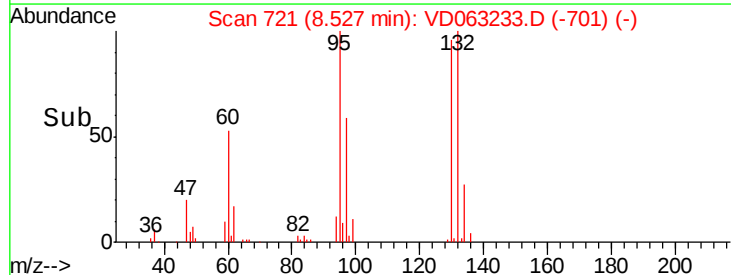
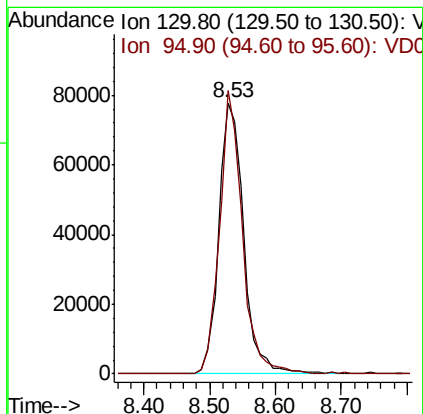
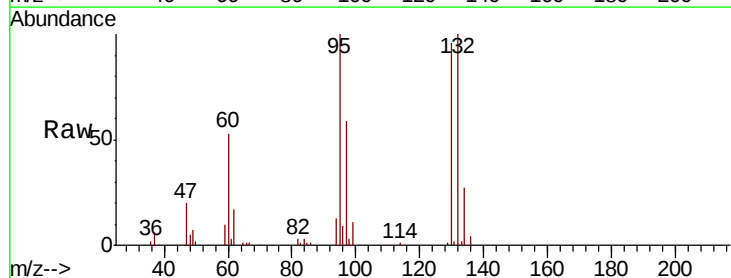
Tot Ion: 43 Resp: 133879
 Ion Ratio Lower Upper
 43 100
 61 28.3 21.4 32.0
 87 0.0 0.2 0.4#

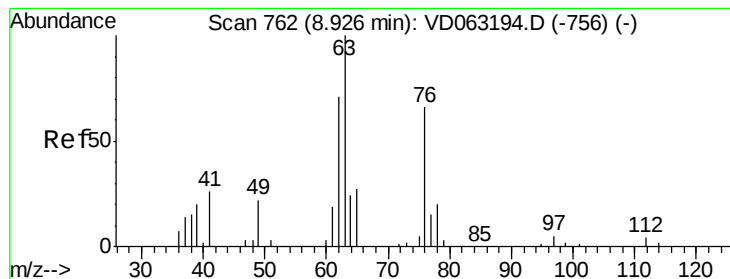


#44

Trichloroethene
 Concen: 17.782 ug/l
 RT: 8.53 min Scan# 721
 Delta R.T. -0.01 min
 Lab File: VD063233.D
 Acq: 30 Jul 2019 11:22

Tgt Ion:130 Resp: 204109
 Ion Ratio Lower Upper
 130 100
 95 104.4 0.0 185.4





#45

1,2-Dichloropropane

Concen: 17.502 ug/l

RT: 8.93 min Scan# 762

Delta R.T. 0.00 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

Instrument :

MSVOA_D

ClientSampleId :

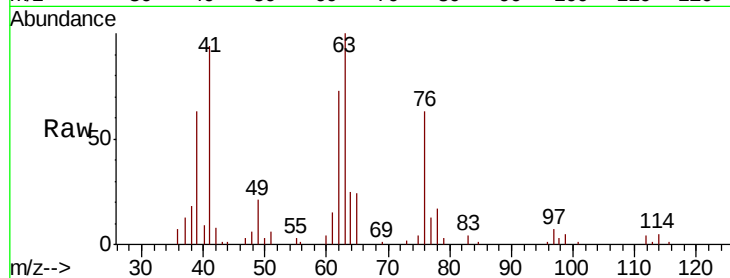
VD0730SBS01

Tot Ion: 63 Resp: 126016

Ion Ratio Lower Upper

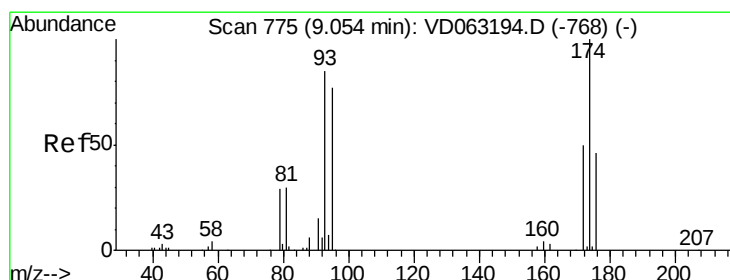
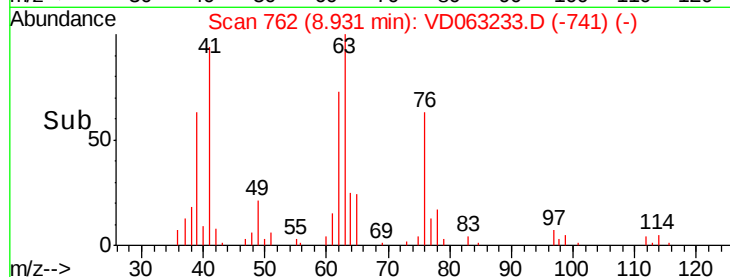
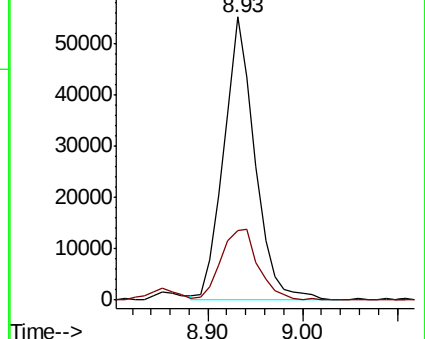
63 100

65 24.4 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 17.161 ug/l

RT: 9.05 min Scan# 774

Delta R.T. -0.01 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

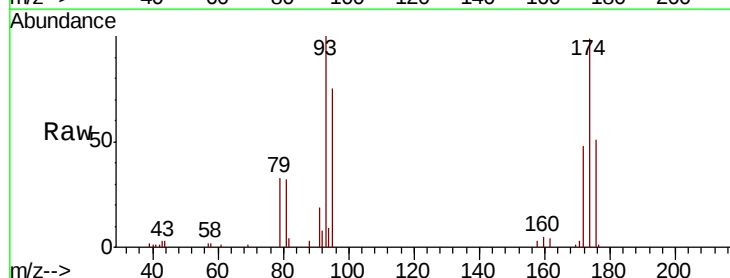
Tgt Ion: 93 Resp: 102740

Ion Ratio Lower Upper

93 100

95 74.7 72.8 109.2

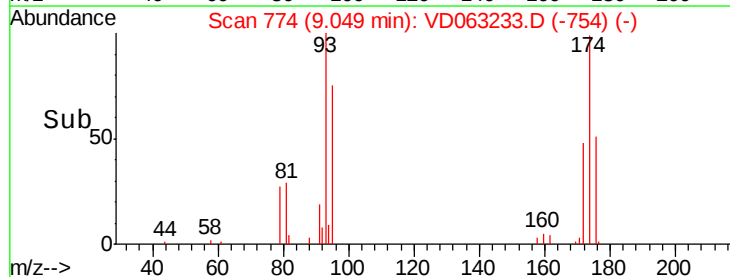
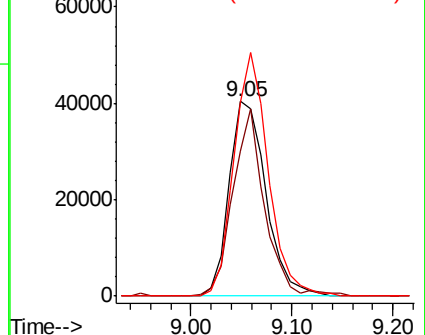
174 99.2 94.4 141.6

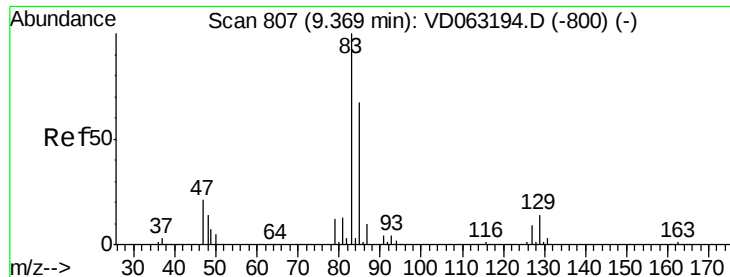


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 18.286 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

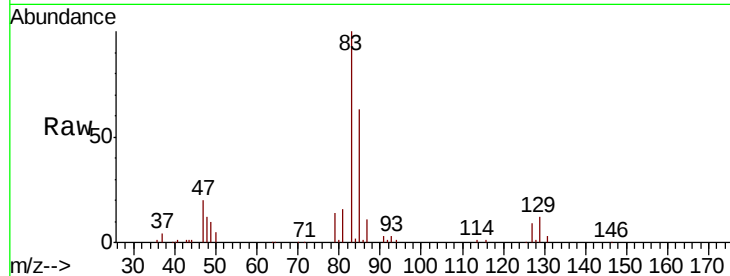
Tot Ion: 83 Resp: 279067

Ion Ratio Lower Upper

83 100

85 63.4 53.6 80.4

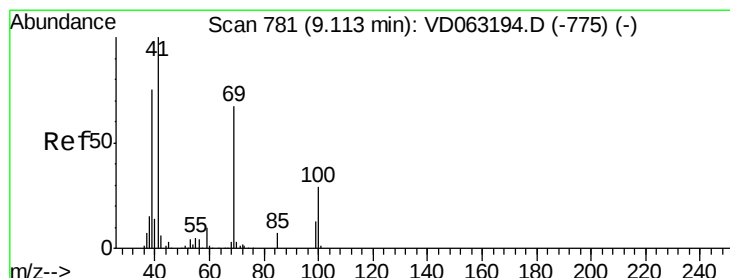
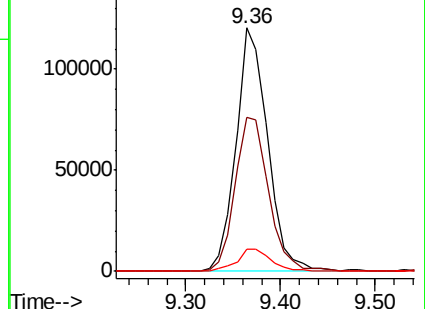
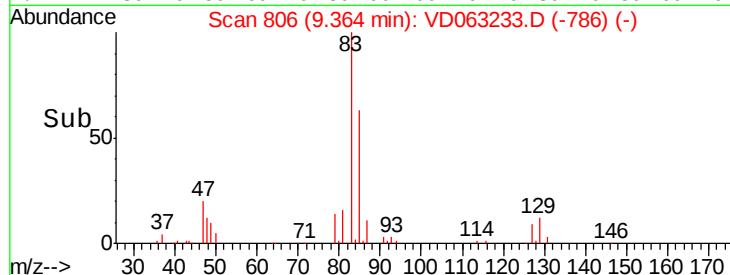
127 8.9 7.2 10.8



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: 17.869 ug/l

RT: 9.11 min Scan# 780

Delta R.T. -0.01 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

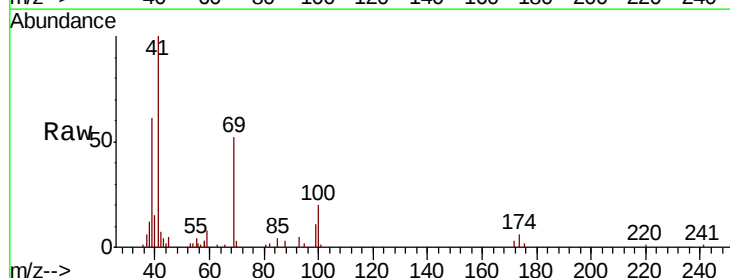
Tgt Ion: 41 Resp: 89895

Ion Ratio Lower Upper

41 100

69 52.5 53.4 80.0#

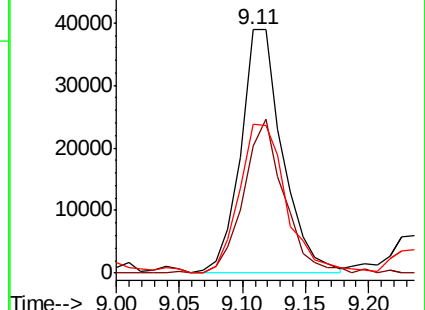
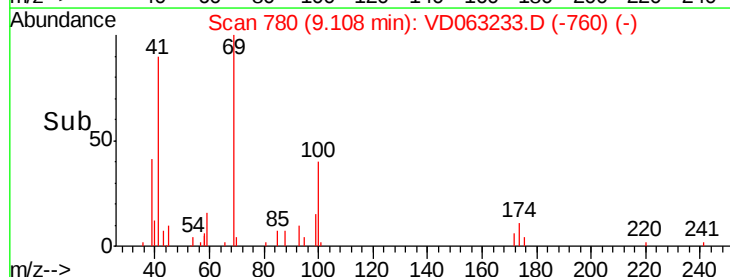
39 61.3 60.3 90.5

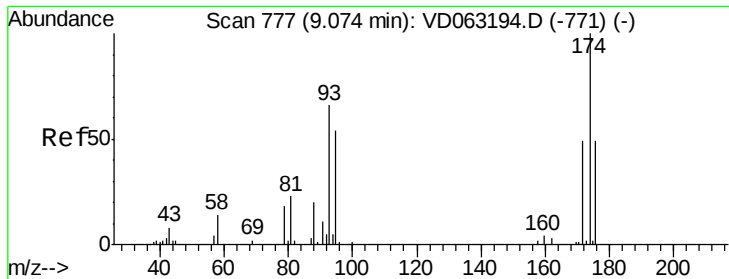


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

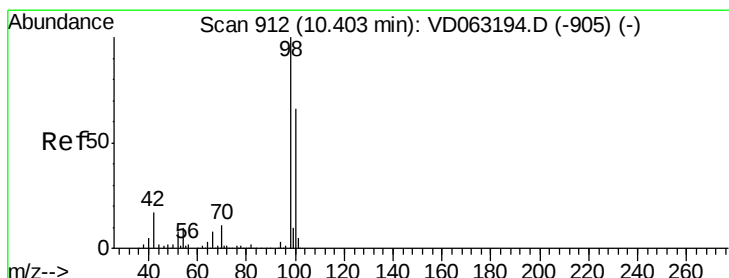
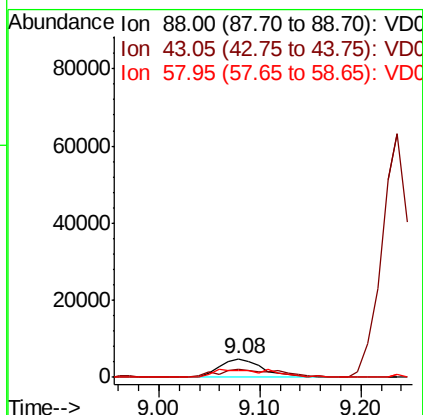
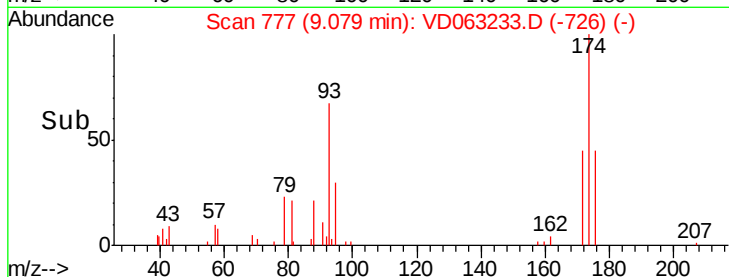
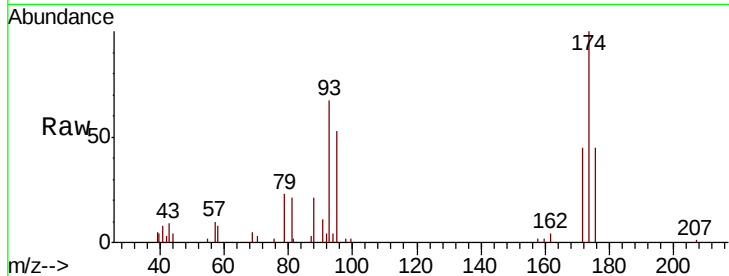




#49
1,4-Dioxane
Concen: 324.330 ug/l
RT: 9.08 min Scan# 777
Delta R.T. 0.01 min
Lab File: VD063233.D
Acq: 30 Jul 2019 11:22

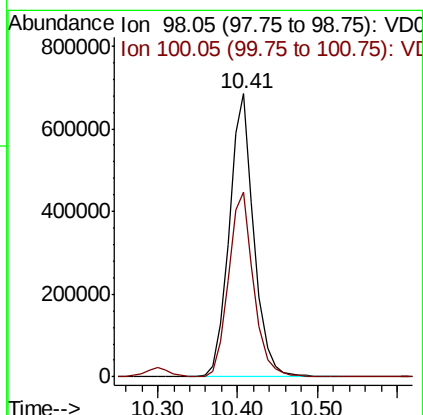
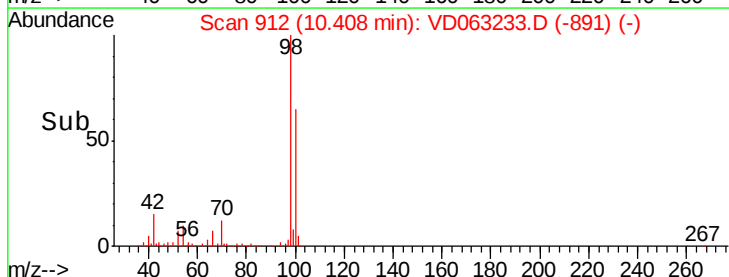
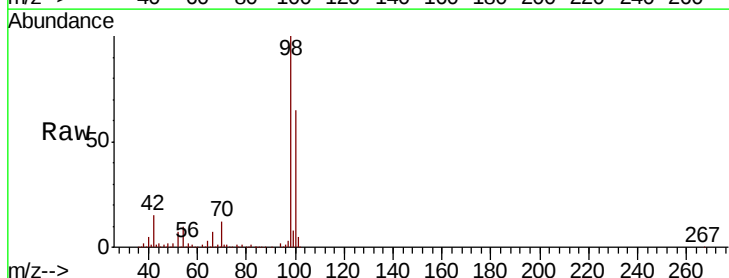
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

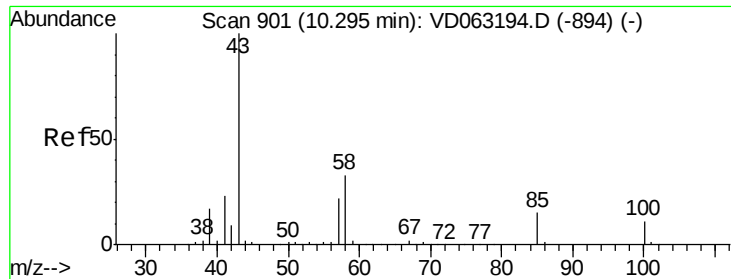
Tot Ion: 88 Resp: 13940
Ion Ratio Lower Upper
88 100
43 42.6 30.7 46.1
58 38.9 56.5 84.7#



#50
Toluene-d8
Concen: 52.105 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063233.D
Acq: 30 Jul 2019 11:22

Tgt Ion: 98 Resp: 1474498
Ion Ratio Lower Upper
98 100
100 65.2 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 86.762 ug/l

RT: 10.30 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

Instrument :

MSVOA_D

ClientSampleId :

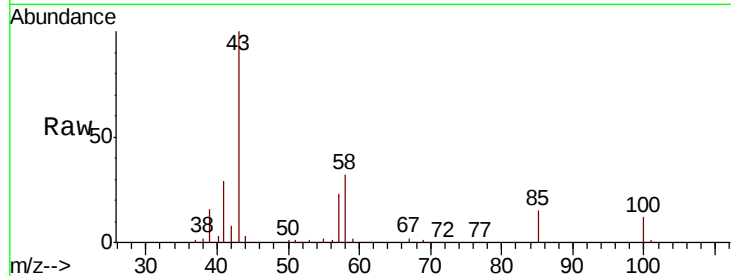
VD0730SBS01

Tot Ion: 43 Resp: 457684

Ion Ratio Lower Upper

43 100

58 31.8 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

200000

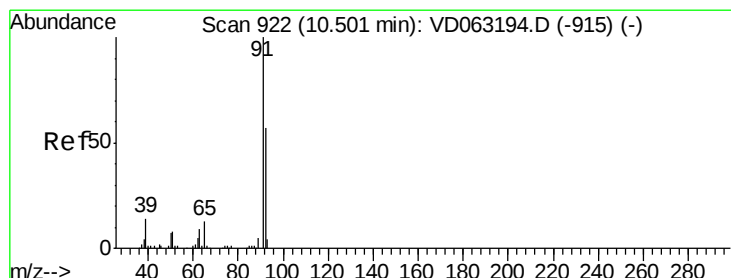
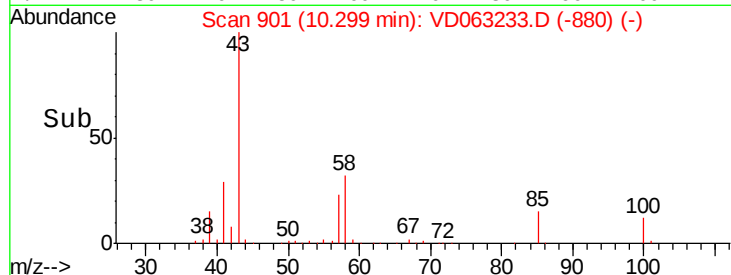
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.102 ug/l

RT: 10.51 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD063233.D

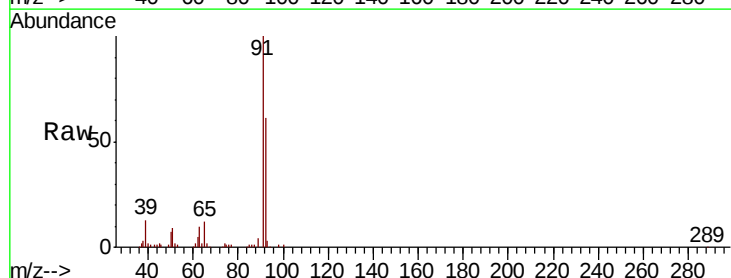
Acq: 30 Jul 2019 11:22

Tgt Ion: 92 Resp: 341056

Ion Ratio Lower Upper

92 100

91 164.6 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

250000

200000

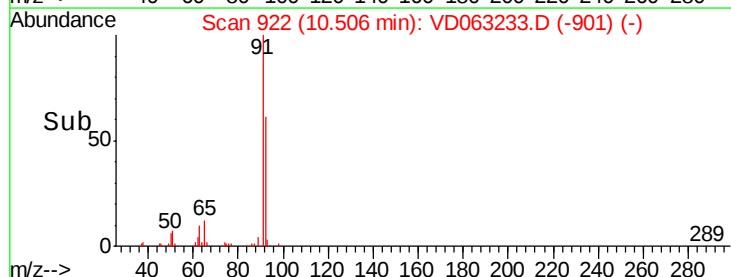
150000

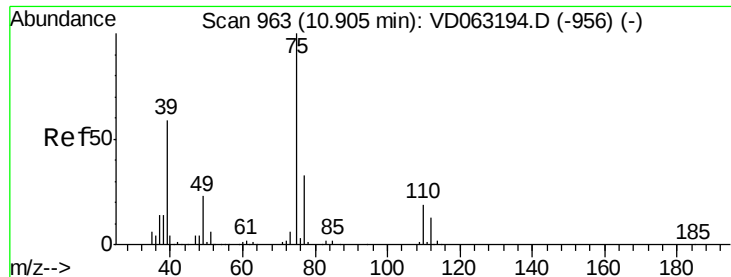
100000

50000

0

Time-->

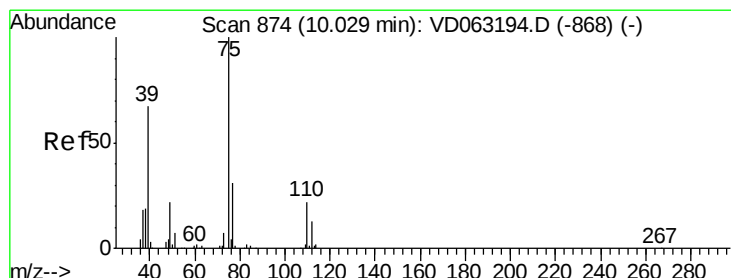
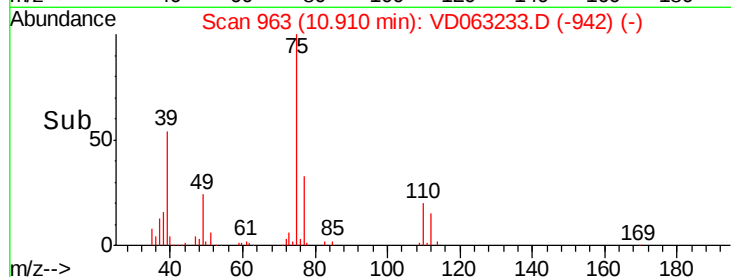
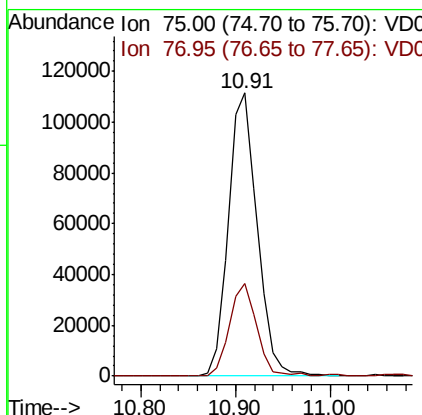
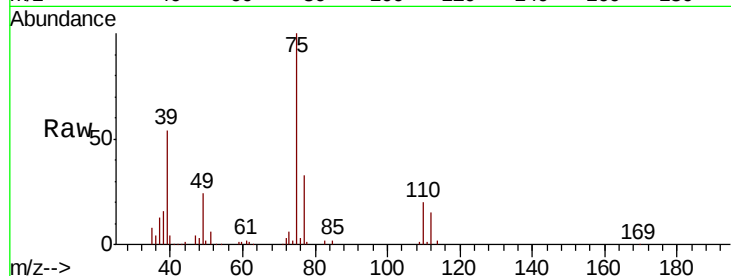




#53
t-1,3-Dichloropropene
Concen: 17.790 ug/l
RT: 10.91 min Scan# 963
Delta R.T. 0.00 min
Lab File: VD063233.D
Acq: 30 Jul 2019 11:22

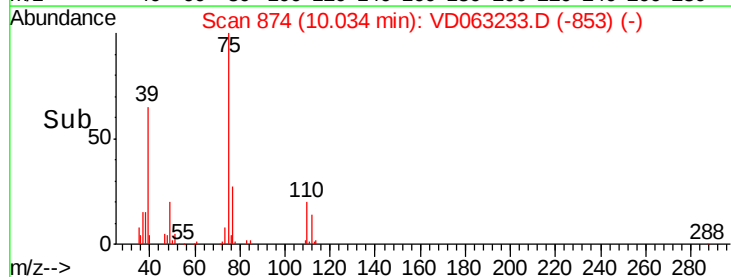
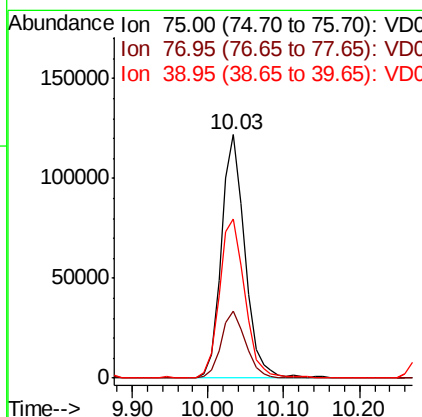
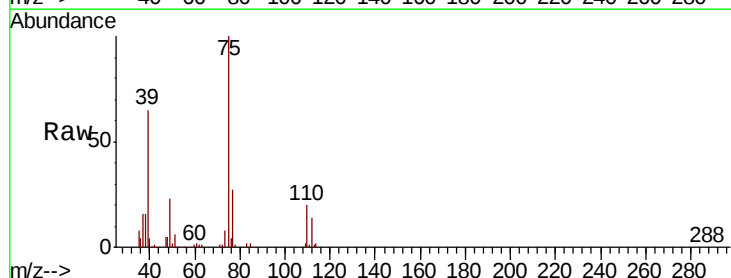
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

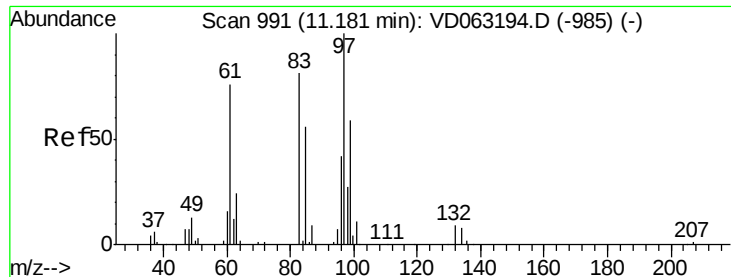
Tot Ion: 75 Resp: 234067
Ion Ratio Lower Upper
75 100
77 32.7 26.6 40.0



#54
cis-1,3-Dichloropropene
Concen: 19.040 ug/l
RT: 10.03 min Scan# 874
Delta R.T. 0.00 min
Lab File: VD063233.D
Acq: 30 Jul 2019 11:22

Tgt Ion: 75 Resp: 263280
Ion Ratio Lower Upper
75 100
77 27.4 24.9 37.3
39 65.4 53.9 80.9

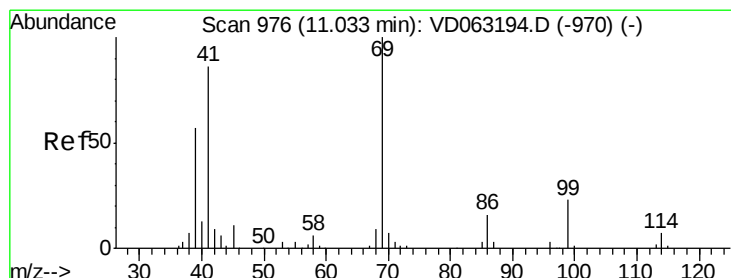
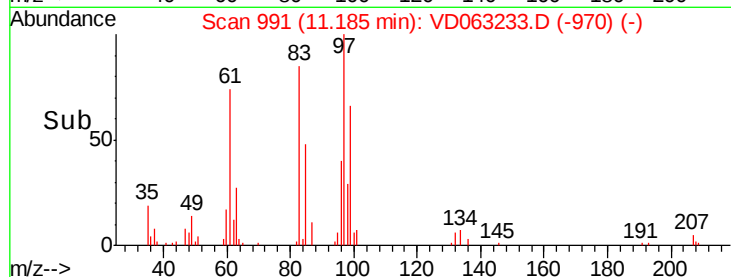
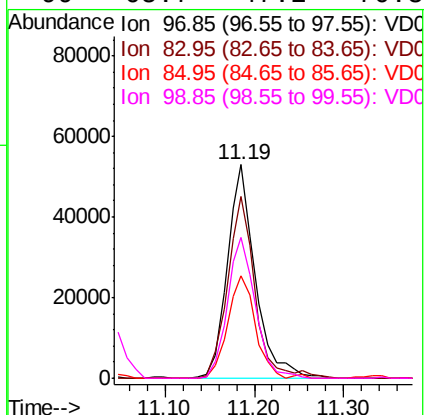
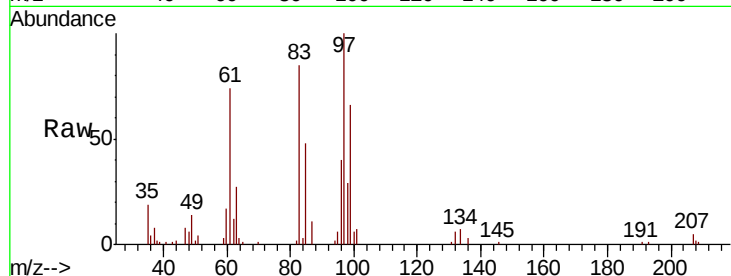




#55
 1,1,2-Trichloroethane
 Concen: 18.297 ug/l
 RT: 11.19 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VD063233.D
 Acq: 30 Jul 2019 11:22

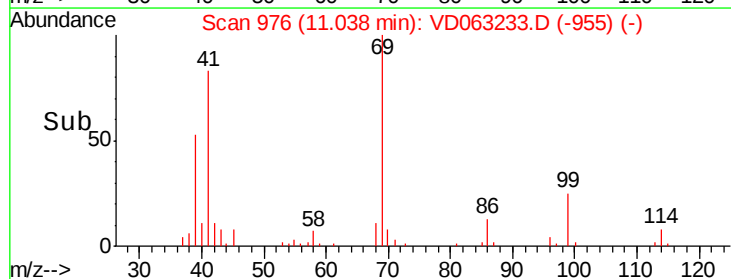
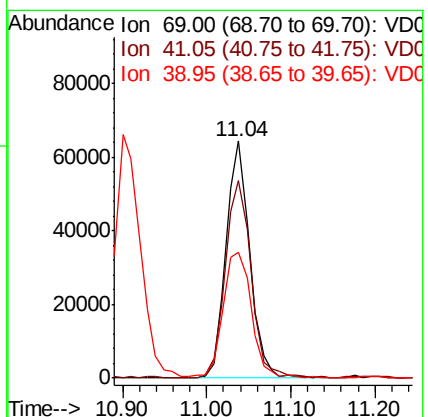
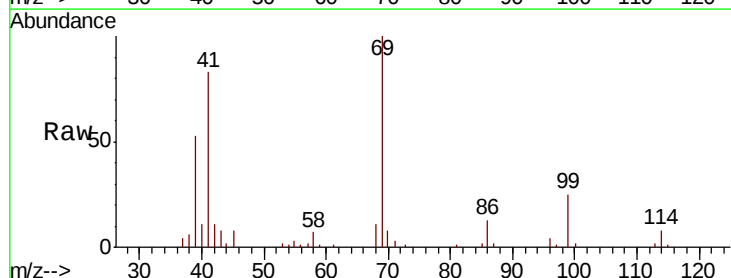
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

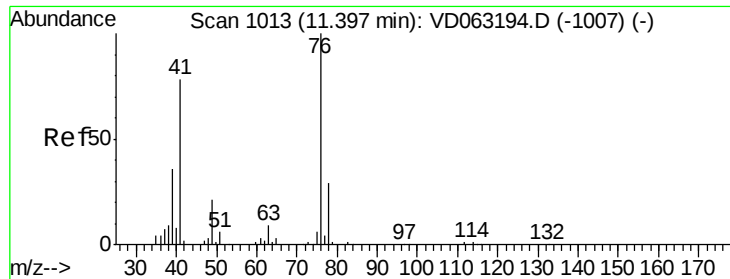
Tot Ion:	97	Resp:	116428
Ion	Ratio	Lower	Upper
97	100		
83	84.9	64.8	97.2
85	48.1	44.9	67.3
99	65.7	47.2	70.8



#56
 Ethyl methacrylate
 Concen: 18.132 ug/l
 RT: 11.04 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VD063233.D
 Acq: 30 Jul 2019 11:22

Tgt Ion:	69	Resp:	126336
Ion	Ratio	Lower	Upper
69	100		
41	83.2	68.8	103.2
39	53.0	45.8	68.8





#57

1,3-Dichloropropane

Concen: 17.878 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

Instrument :

MSVOA_D

ClientSampleId :

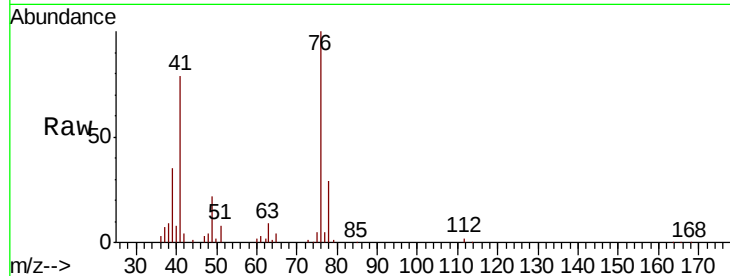
VD0730SBS01

Tot Ion: 76 Resp: 179234

Ion Ratio Lower Upper

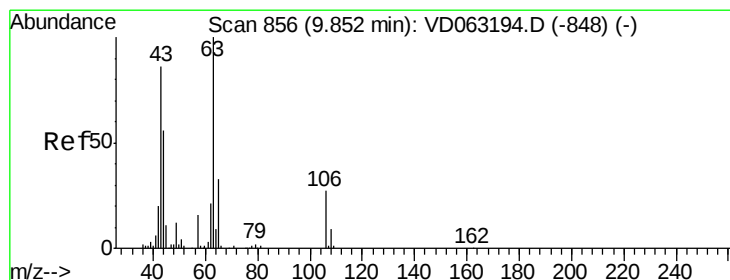
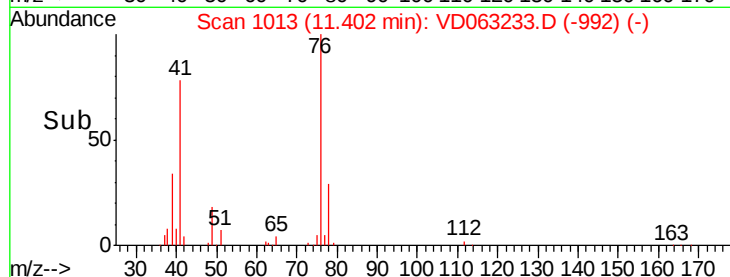
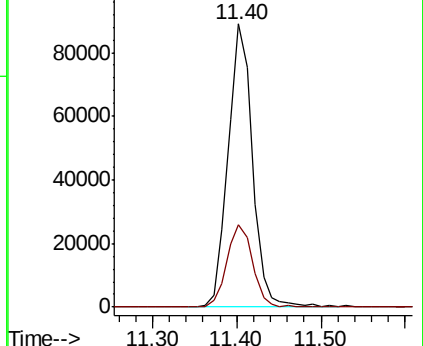
76 100

78 29.3 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: 91.574 ug/l

RT: 9.85 min Scan# 855

Delta R.T. -0.01 min

Lab File: VD063233.D

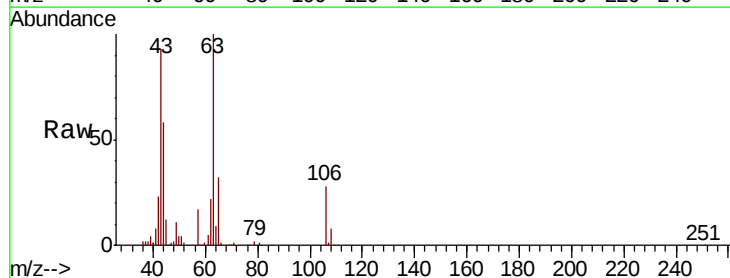
Acq: 30 Jul 2019 11:22

Tgt Ion: 63 Resp: 332010

Ion Ratio Lower Upper

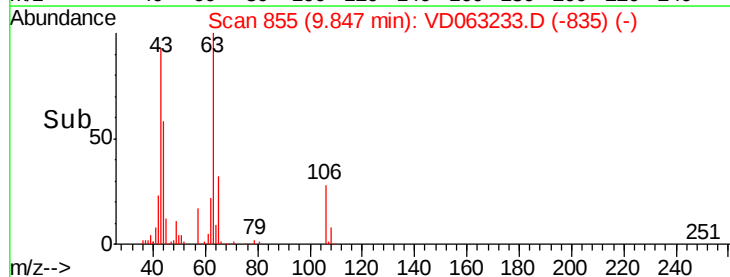
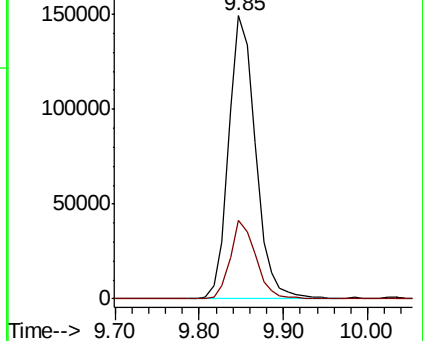
63 100

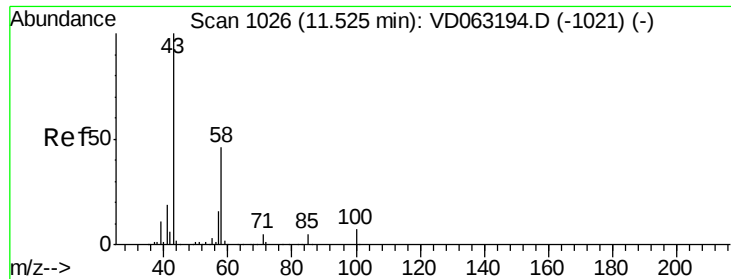
106 27.6 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

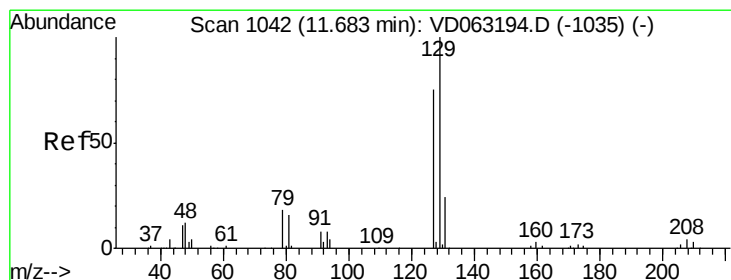
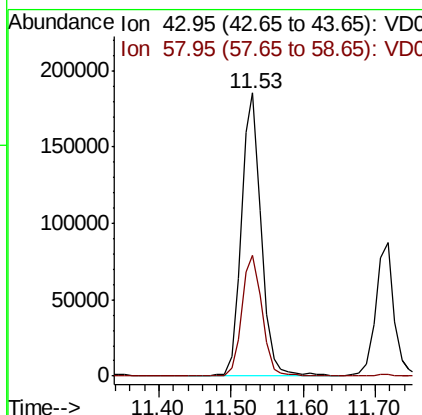
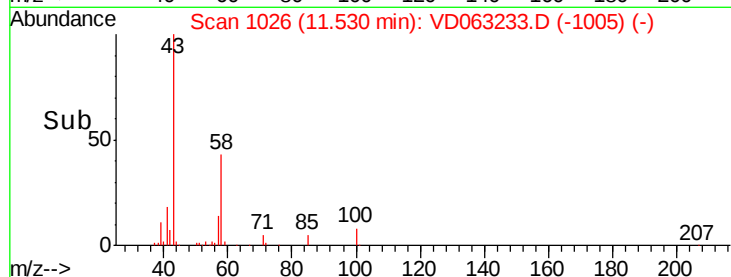
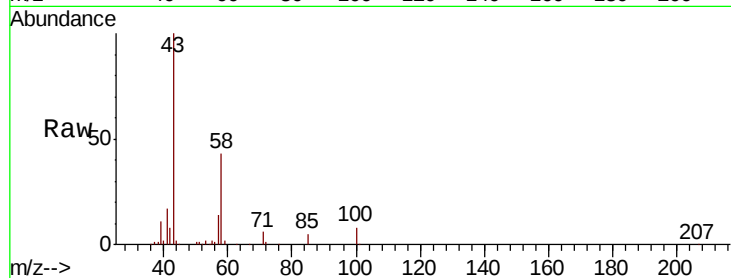




#59
2-Hexanone
Concen: 93.246 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD063233.D
Acq: 30 Jul 2019 11:22

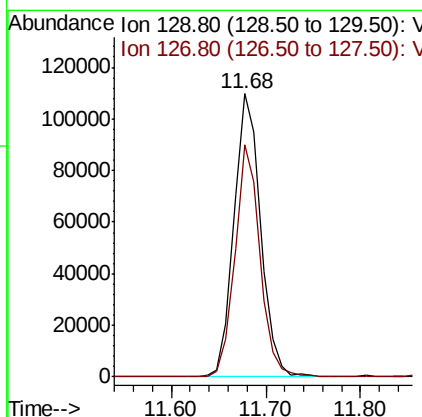
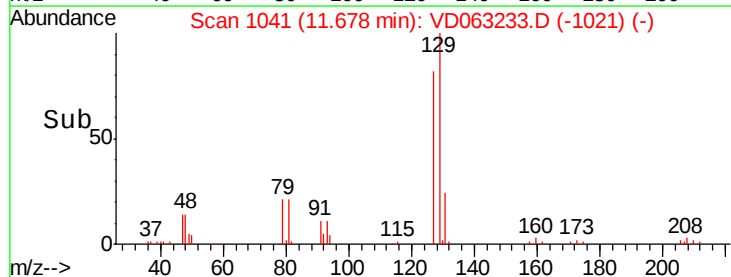
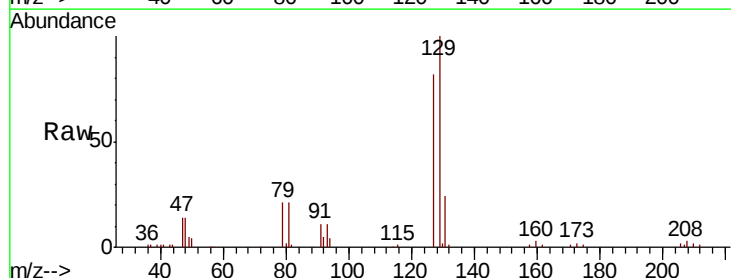
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

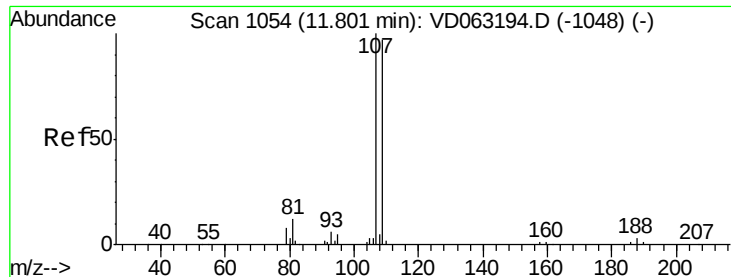
Tot Ion: 43 Resp: 354476
Ion Ratio Lower Upper
43 100
58 42.7 22.9 68.5



#60
Dibromochloromethane
Concen: 17.804 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD063233.D
Acq: 30 Jul 2019 11:22

Tgt Ion: 129 Resp: 213864
Ion Ratio Lower Upper
129 100
127 82.2 37.6 112.8





#61

1,2-Dibromoethane

Concen: 18.777 ug/l

RT: 11.81 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

Instrument :

MSVOA_D

ClientSampleId :

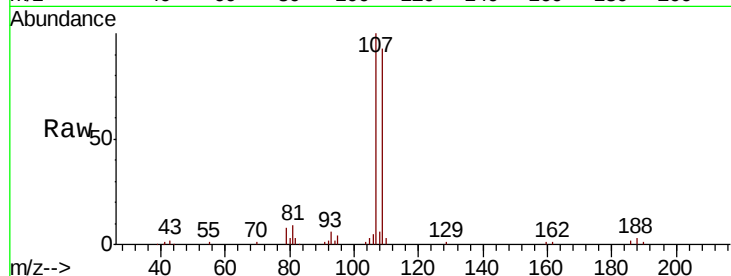
VD0730SBS01

Tot Ion:107 Resp: 147431

Ion Ratio Lower Upper

107 100

109 93.0 77.5 116.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

80000

60000

40000

20000

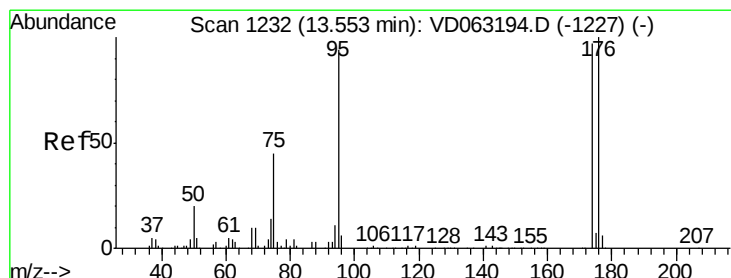
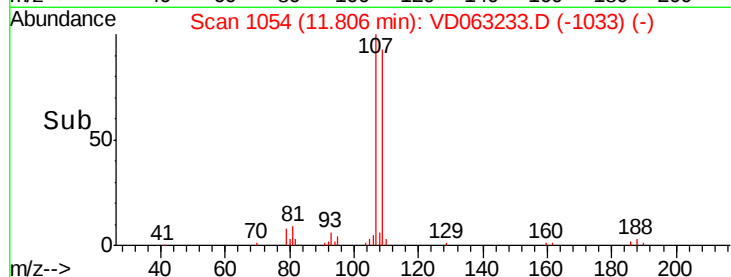
0

11.70

11.80

11.90

Time-->



#62

4-Bromofluorobenzene

Concen: 52.442 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

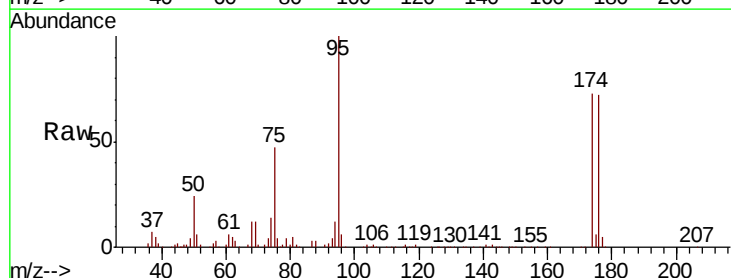
Tgt Ion: 95 Resp: 676278

Ion Ratio Lower Upper

95 100

174 73.4 0.0 205.4

176 72.4 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

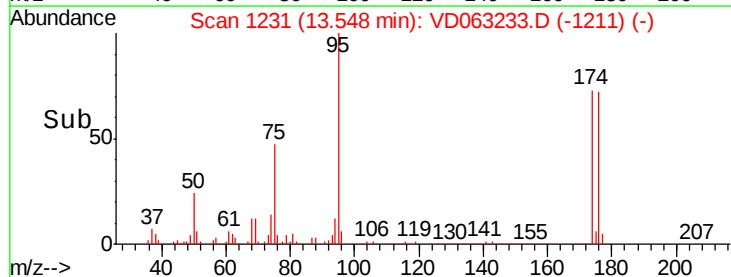
0

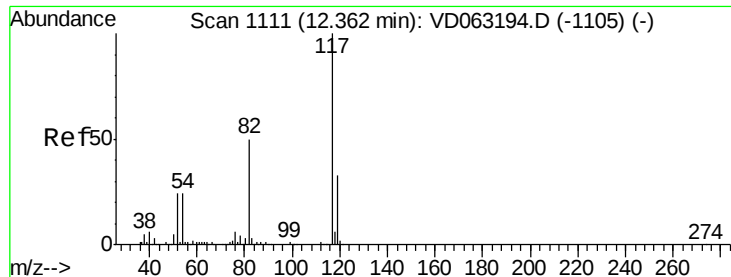
13.50

13.55

13.60

Time-->

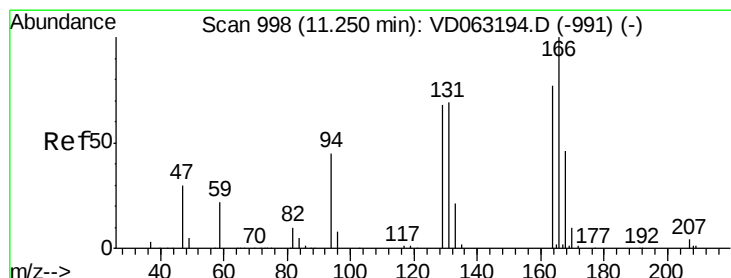
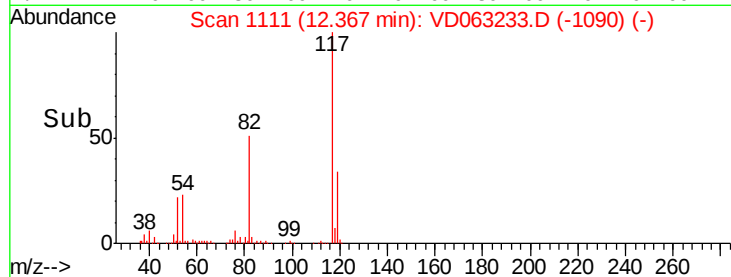
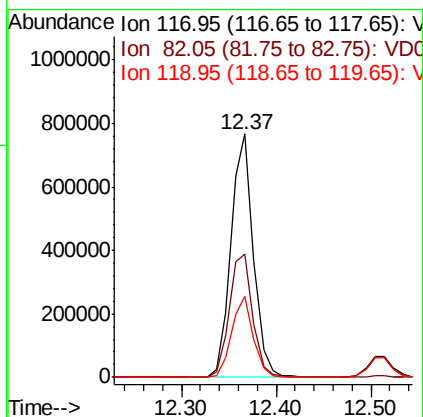
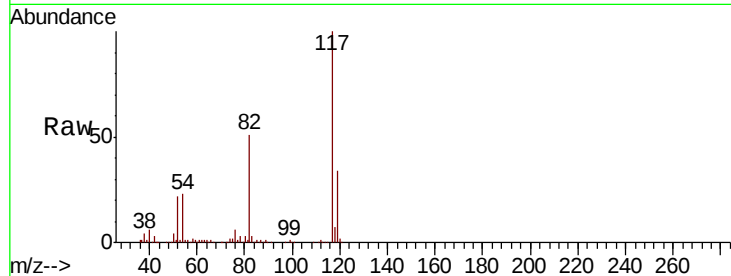




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063233.D
Acq: 30 Jul 2019 11:22

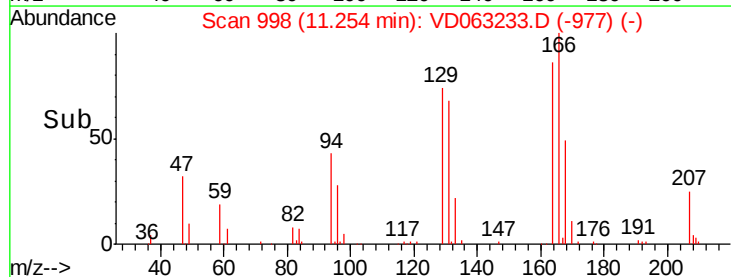
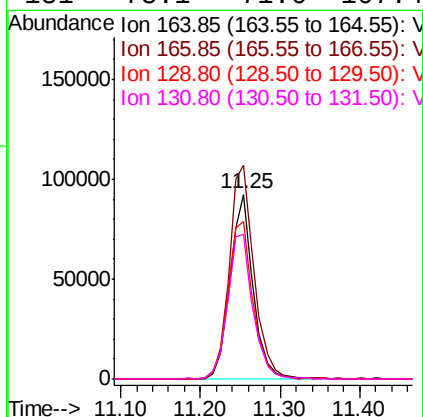
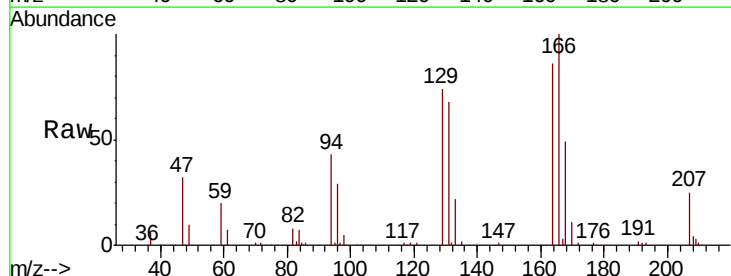
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

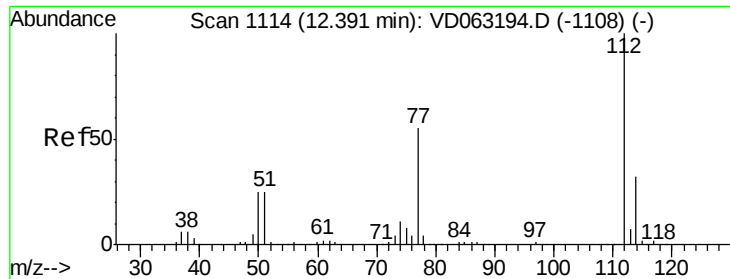
Tot Ion:117 Resp: 1254683
Ion Ratio Lower Upper
117 100
82 50.8 40.1 60.1
119 33.5 26.5 39.7



#64
Tetrachloroethene
Concen: 18.661 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063233.D
Acq: 30 Jul 2019 11:22

Tgt Ion:164 Resp: 186532
Ion Ratio Lower Upper
164 100
166 115.7 104.3 156.5
129 85.6 70.9 106.3
131 78.1 71.6 107.4

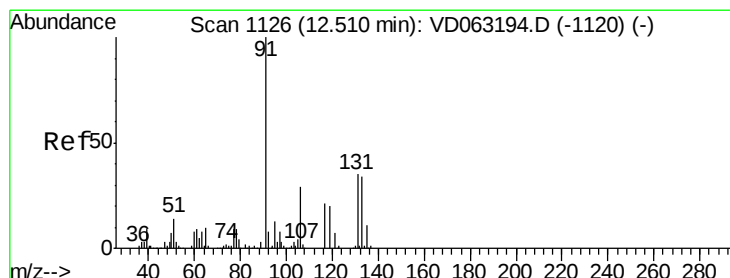
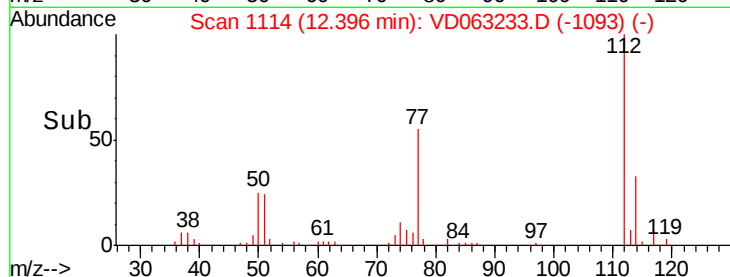
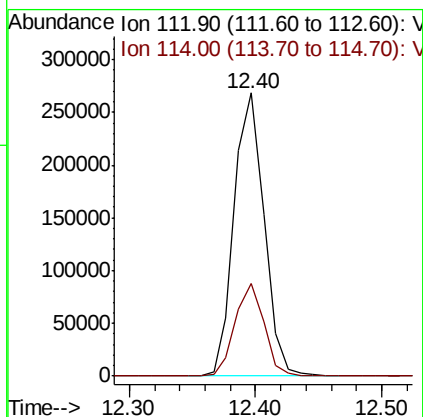
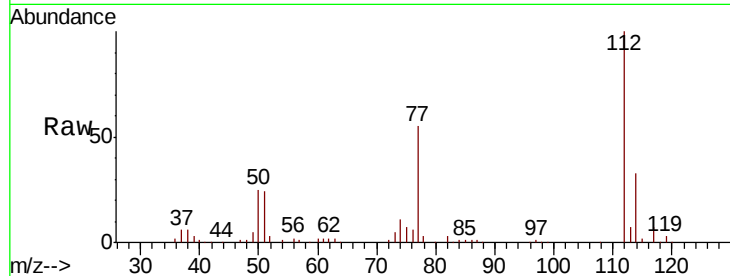




#65
Chlorobenzene
Concen: 18.307 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063233.D
Acq: 30 Jul 2019 11:22

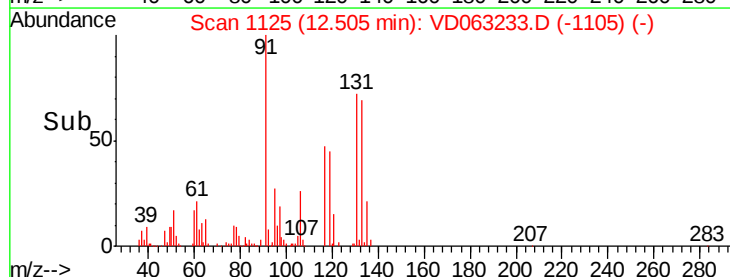
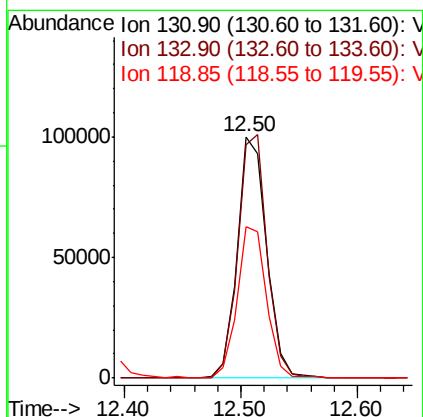
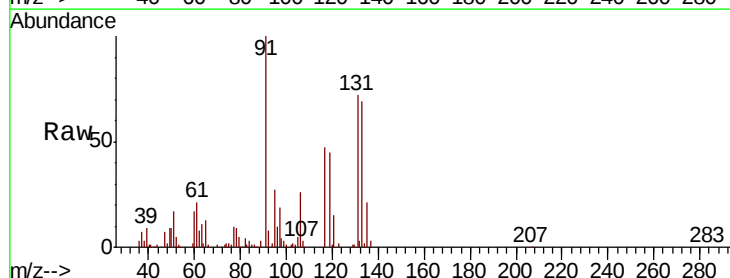
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

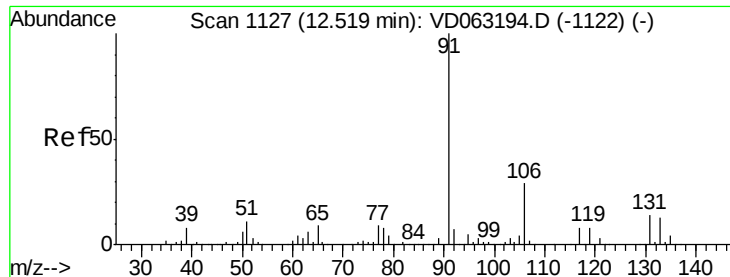
Tot Ion:112 Resp: 441817
Ion Ratio Lower Upper
112 100
114 32.7 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 16.397 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD063233.D
Acq: 30 Jul 2019 11:22

Tgt Ion:131 Resp: 174312
Ion Ratio Lower Upper
131 100
133 96.5 48.4 145.2
119 62.5 29.1 87.3

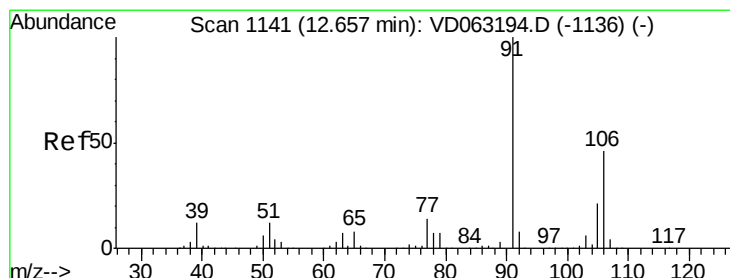
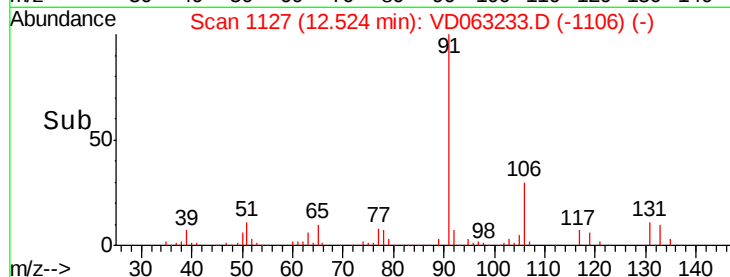
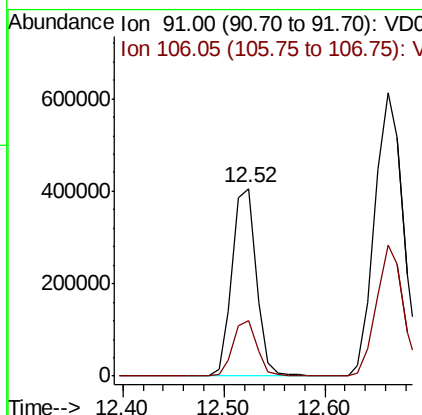
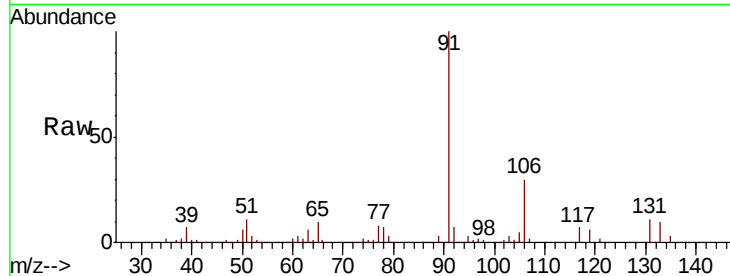




#67
Ethyl Benzene
Concen: 16.592 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD063233.D
Acq: 30 Jul 2019 11:22

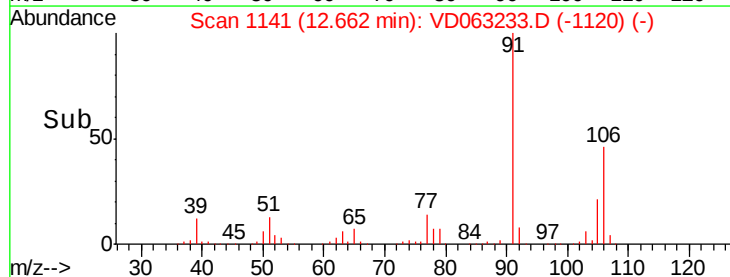
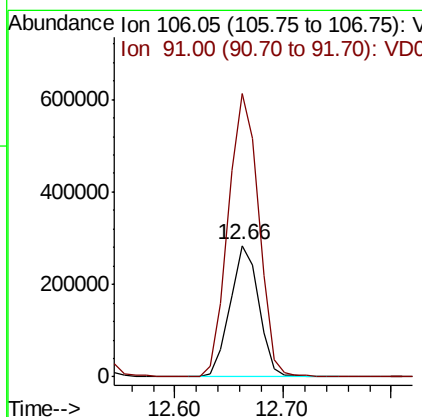
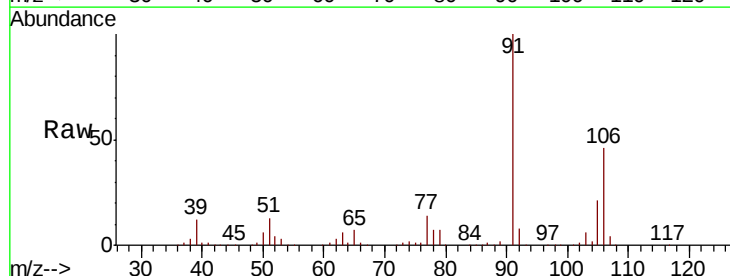
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

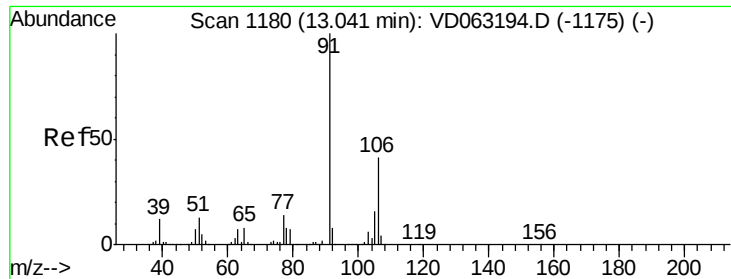
Tot Ion: 91 Resp: 680205
Ion Ratio Lower Upper
91 100
106 29.6 22.9 34.3



#68
m/p-Xylenes
Concen: 34.923 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VD063233.D
Acq: 30 Jul 2019 11:22

Tgt Ion: 106 Resp: 525058
Ion Ratio Lower Upper
106 100
91 215.3 172.6 259.0

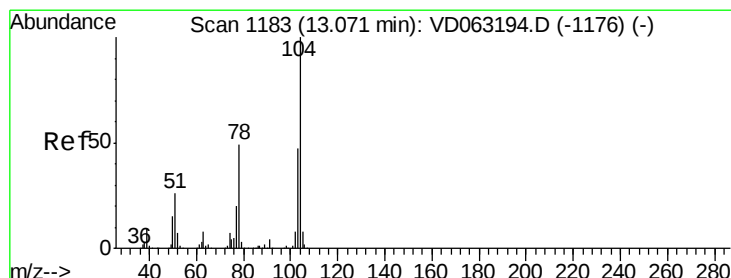
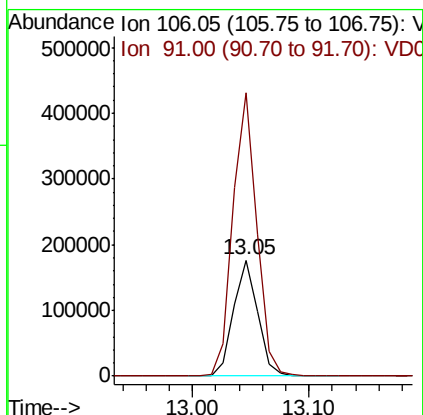
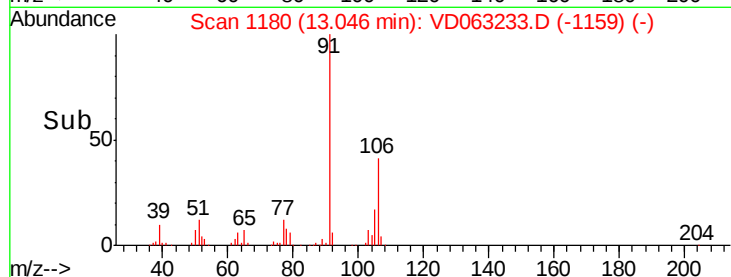
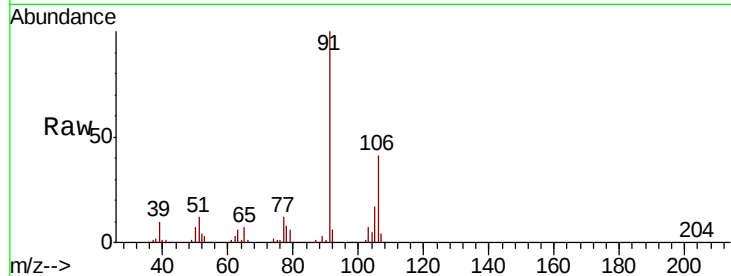




#69
o-Xylene
Concen: 18.557 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD063233.D
Acq: 30 Jul 2019 11:22

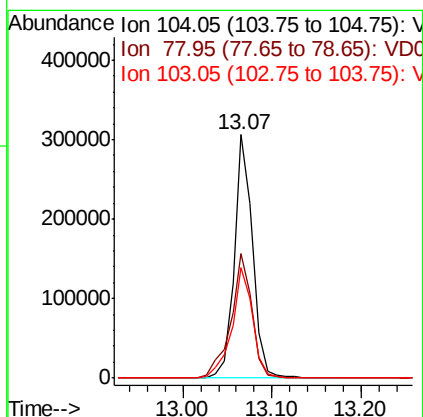
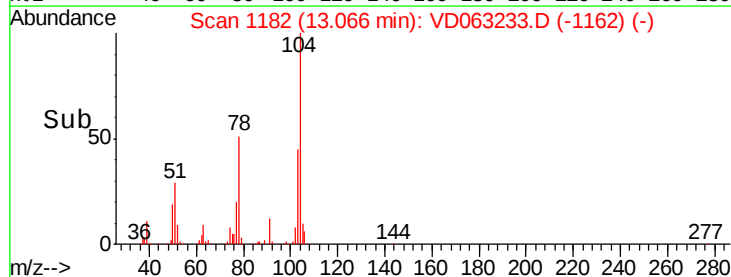
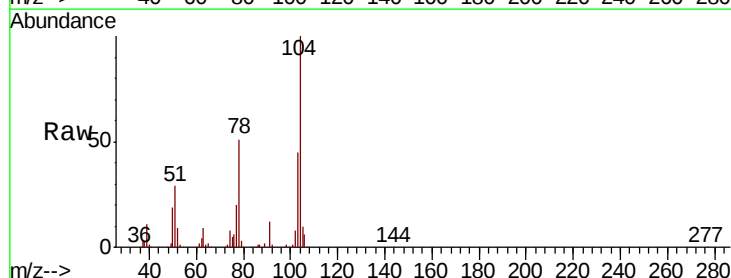
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

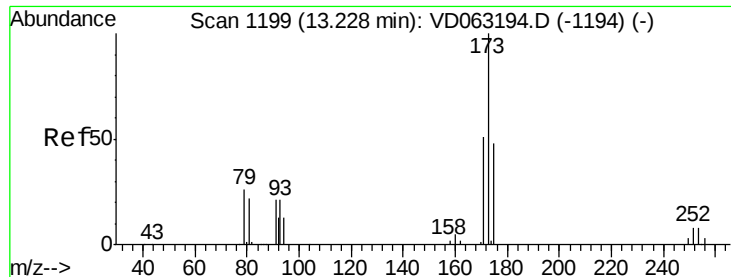
Tot Ion:106 Resp: 256210
Ion Ratio Lower Upper
106 100
91 243.3 121.3 363.9



#70
Styrene
Concen: 18.000 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063233.D
Acq: 30 Jul 2019 11:22

Tgt Ion:104 Resp: 440730
Ion Ratio Lower Upper
104 100
78 51.2 39.4 59.0
103 45.5 37.4 56.2





#71

Bromoform

Concen: 17.168 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

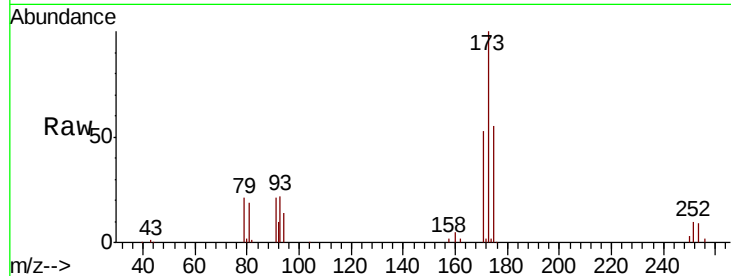
Tot Ion:173 Resp: 132721

Ion Ratio Lower Upper

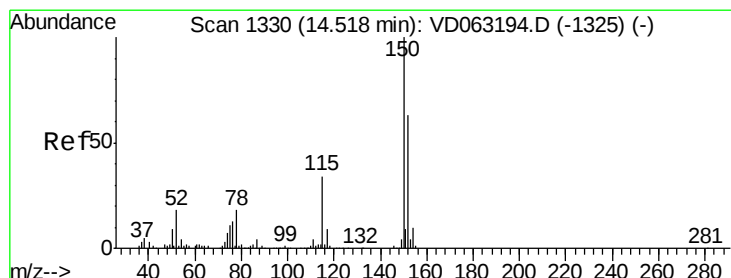
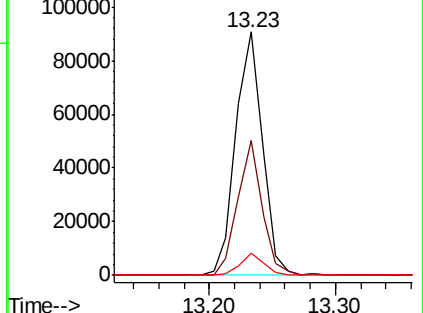
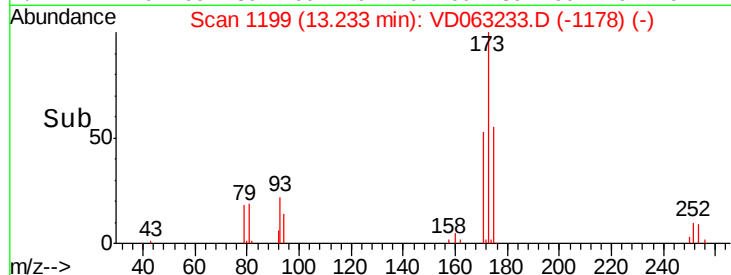
173 100

175 55.2 23.8 71.5

254 9.1 6.6 10.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

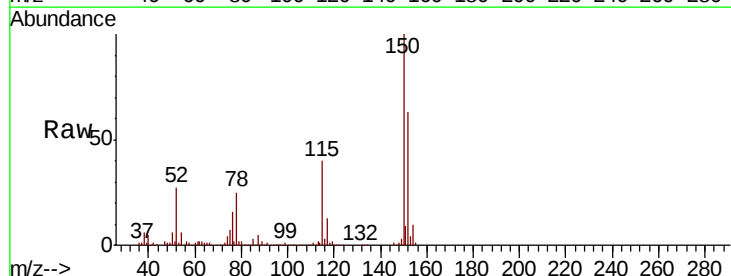
Tgt Ion:152 Resp: 676712

Ion Ratio Lower Upper

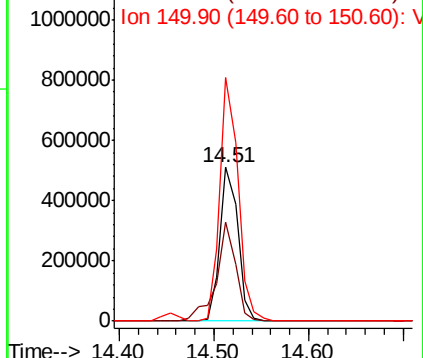
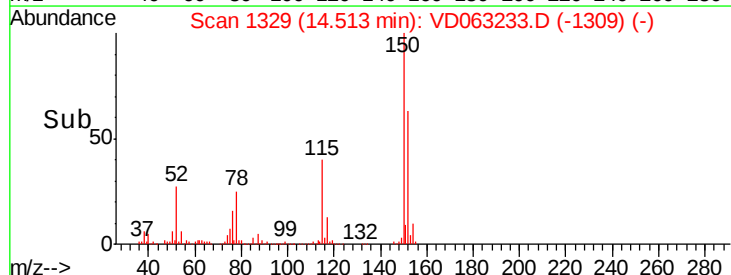
152 100

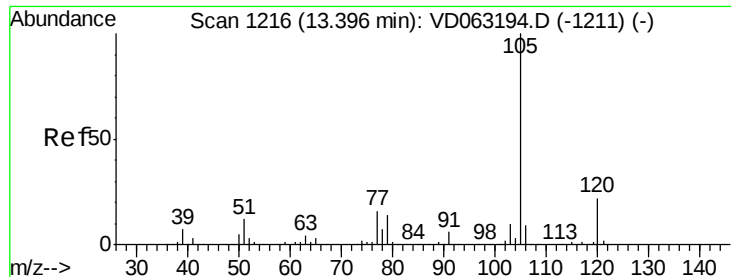
115 64.0 27.5 82.4

150 158.3 0.0 320.6



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





#73

Isopropylbenzene

Concen: 18.473 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

Instrument :

MSVOA_D

ClientSampleId :

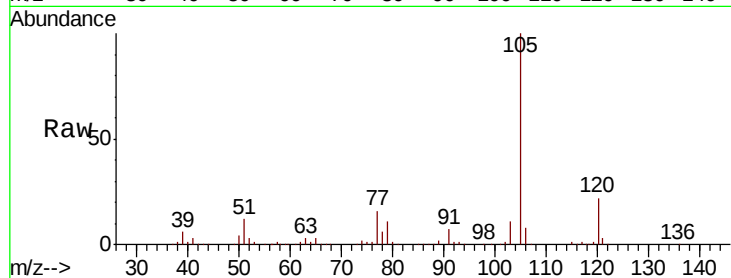
VD0730SBS01

Tot Ion:105 Resp: 784580

Ion Ratio Lower Upper

105 100

120 22.2 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

500000

400000

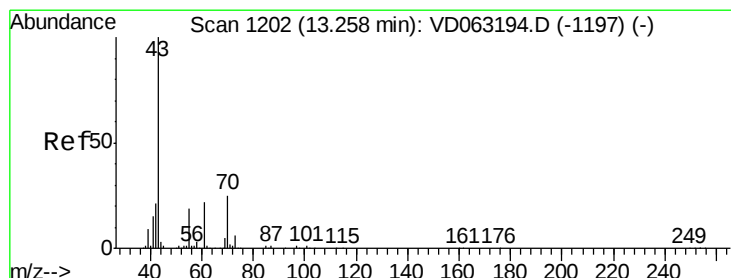
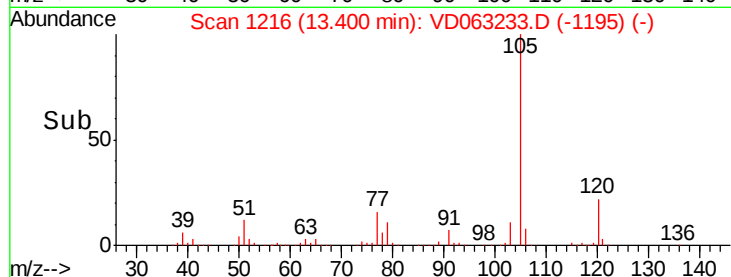
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 17.663 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

Tgt Ion: 43 Resp: 198316

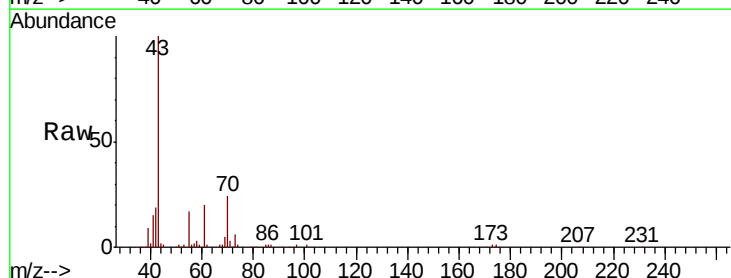
Ion Ratio Lower Upper

43 100

70 24.4 20.2 30.4

55 17.2 14.9 22.3

61 20.2 17.9 26.9



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

200000

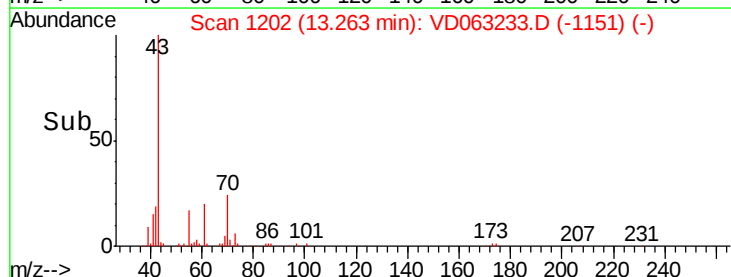
150000

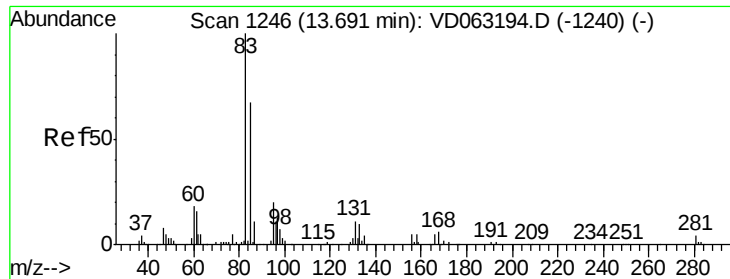
100000

50000

0

Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 18.657 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

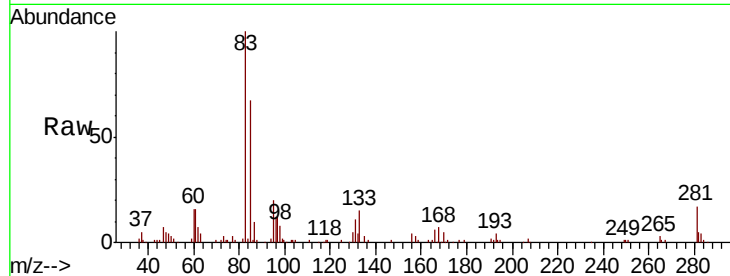
Tot Ion: 83 Resp: 134600

Ion Ratio Lower Upper

83 100

131 11.2 5.5 16.7

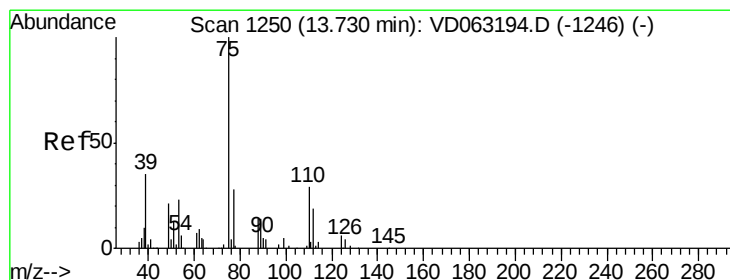
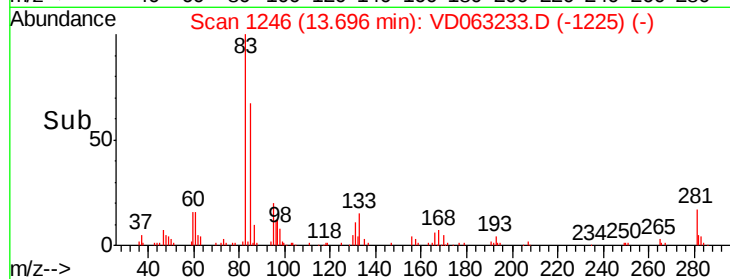
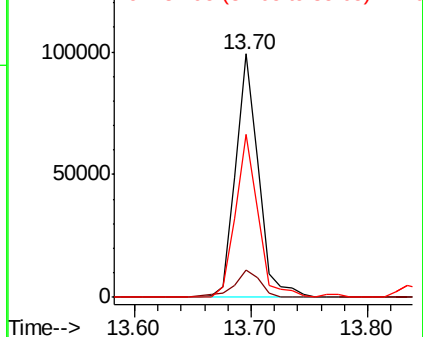
85 67.1 33.7 101.1



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: 16.885 ug/l

RT: 13.73 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD063233.D

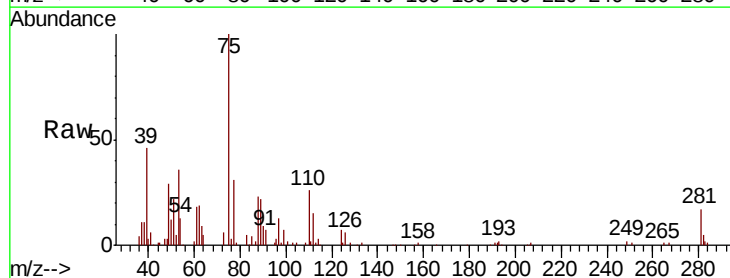
Acq: 30 Jul 2019 11:22

Tgt Ion: 75 Resp: 137245

Ion Ratio Lower Upper

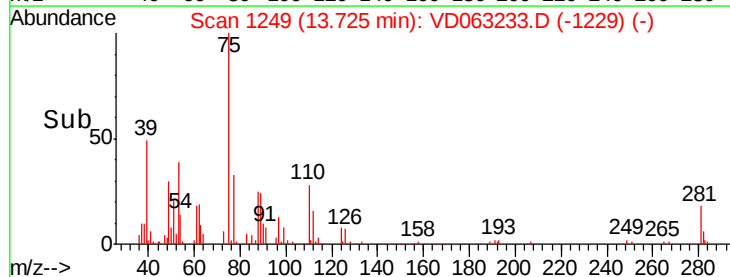
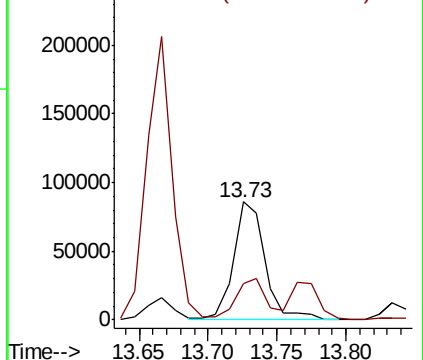
75 100

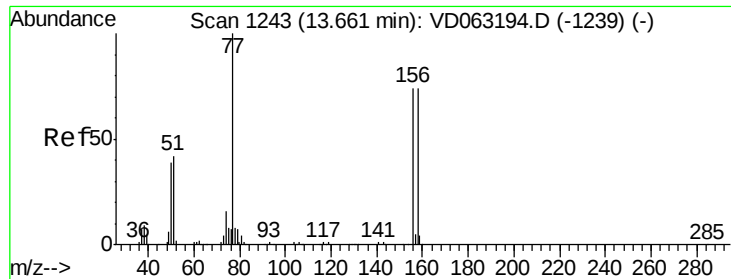
77 30.5 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 17.772 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

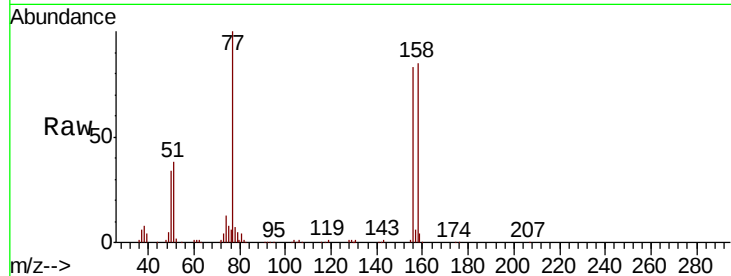
Tot Ion:156 Resp: 215022

Ion Ratio Lower Upper

156 100

77 120.4 67.6 202.8

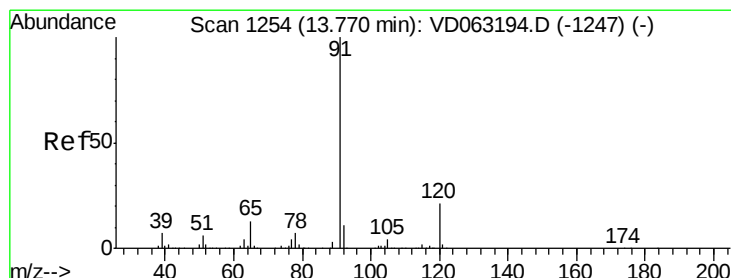
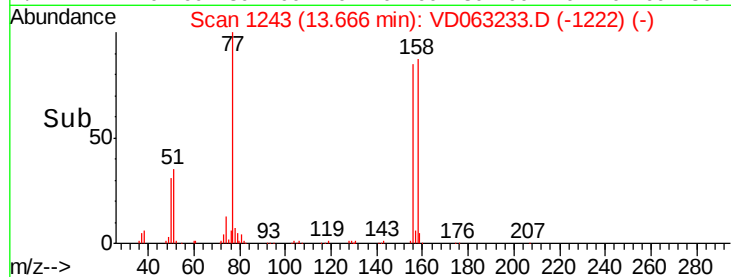
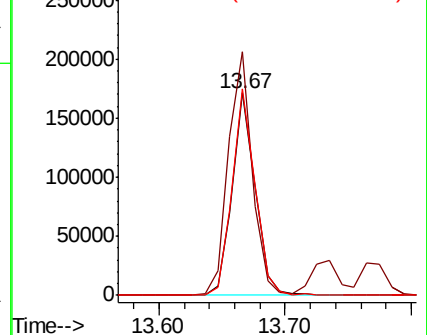
158 102.0 49.8 149.4



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: 18.284 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063233.D

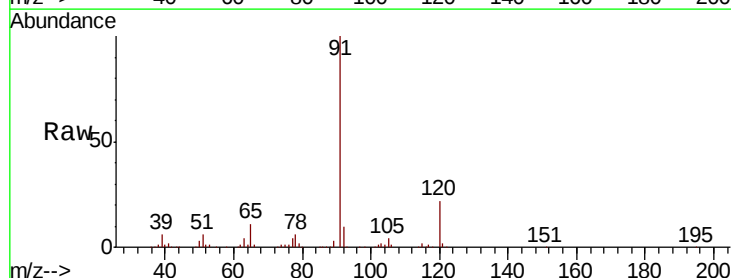
Acq: 30 Jul 2019 11:22

Tgt Ion: 91 Resp: 924158

Ion Ratio Lower Upper

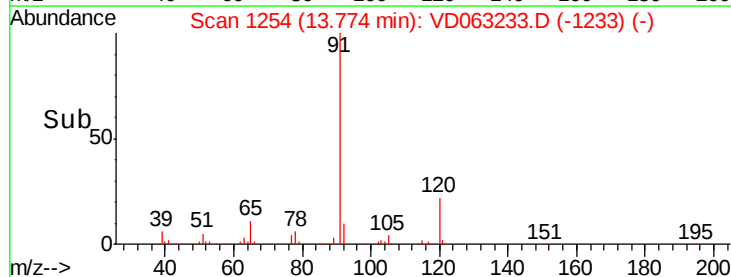
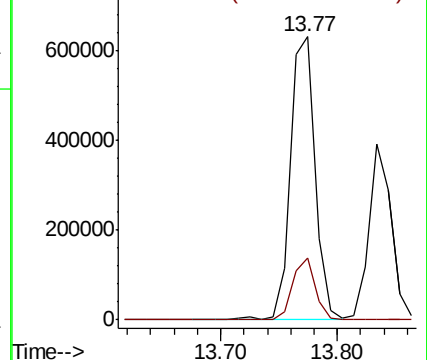
91 100

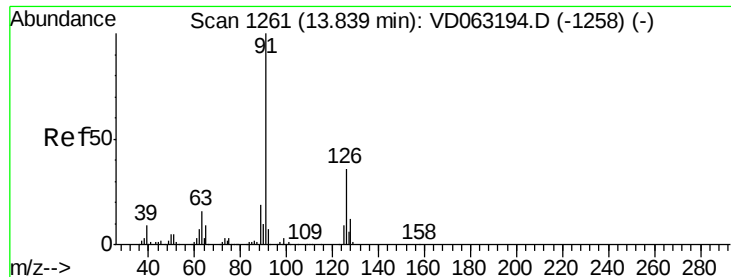
120 21.7 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 17.722 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

Instrument :

MSVOA_D

ClientSampleId :

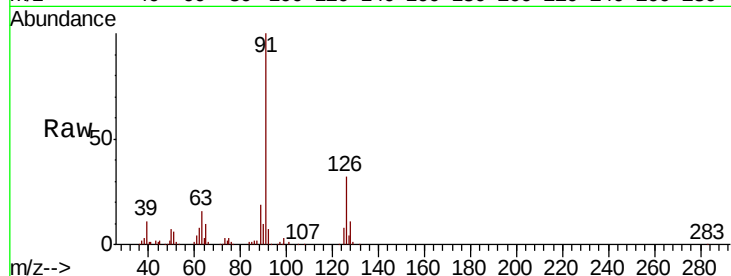
VD0730SBS01

Tot Ion: 91 Resp: 519019

Ion Ratio Lower Upper

91 100

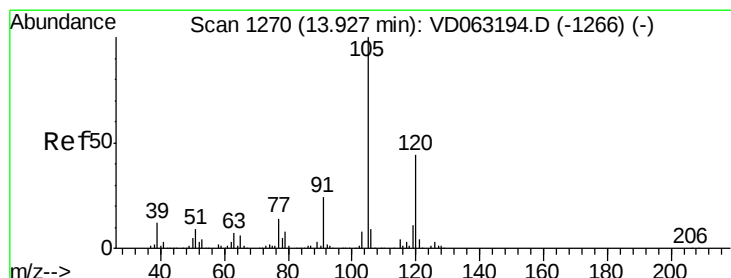
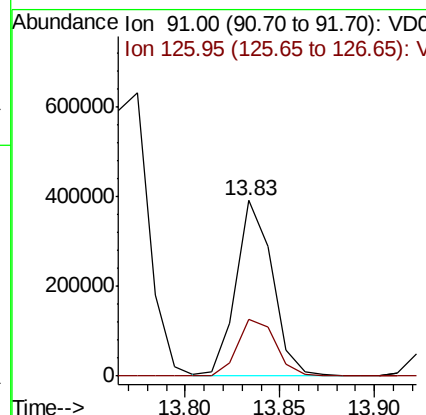
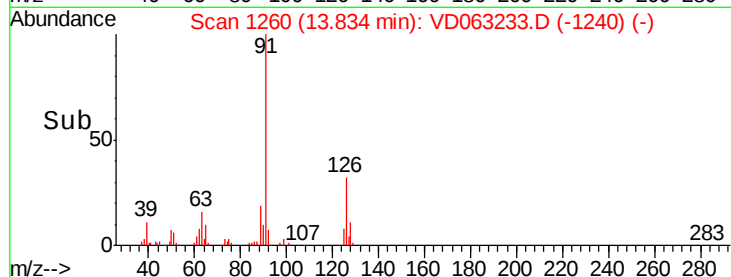
126 32.0 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VD063194.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD063194.D (-1258) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.264 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD063233.D

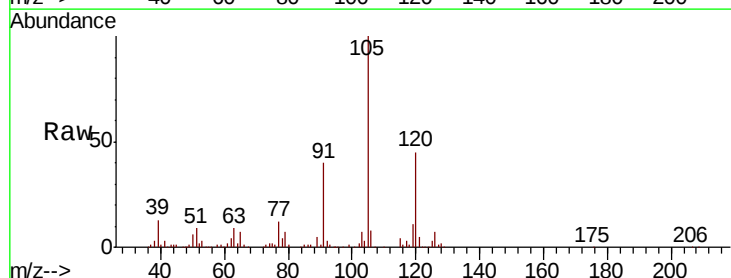
Acq: 30 Jul 2019 11:22

Tgt Ion: 105 Resp: 669038

Ion Ratio Lower Upper

105 100

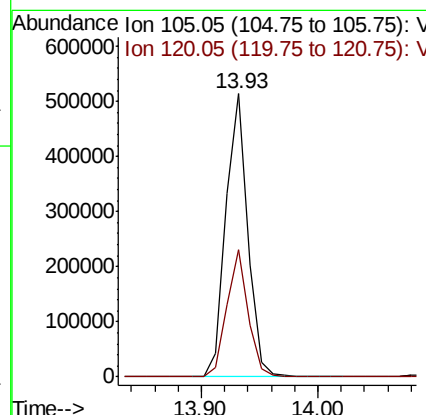
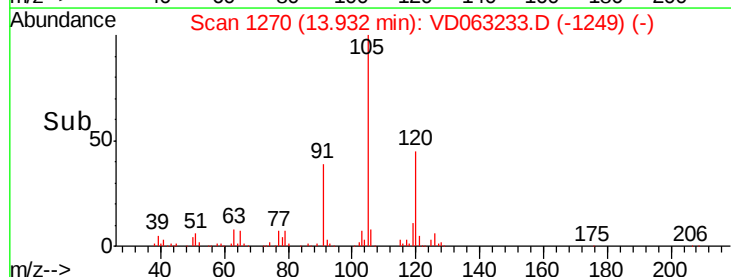
120 44.8 22.1 66.1

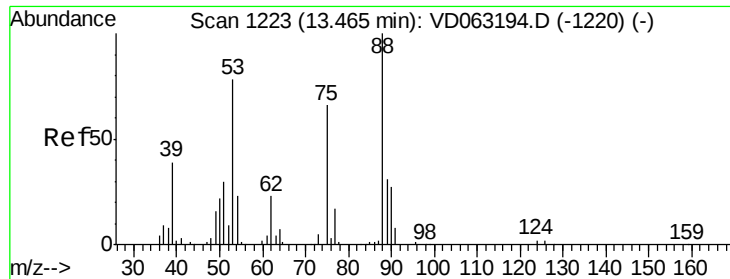


Abundance Ion 105.05 (104.75 to 105.75): VD063194.D (-1266) (-)

Ion 120.05 (119.75 to 120.75): VD063194.D (-1266) (-)

Time-->

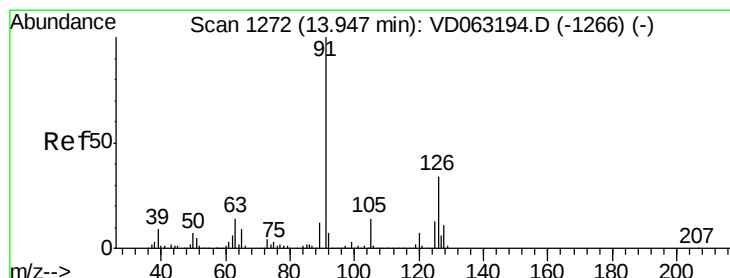
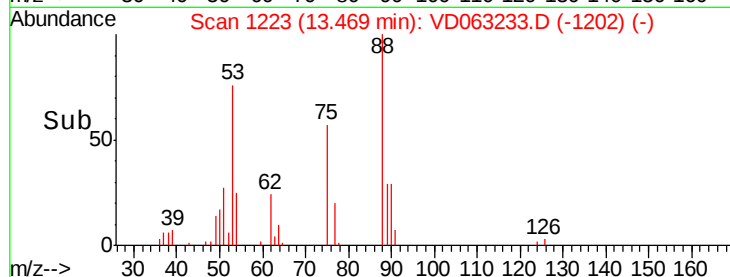
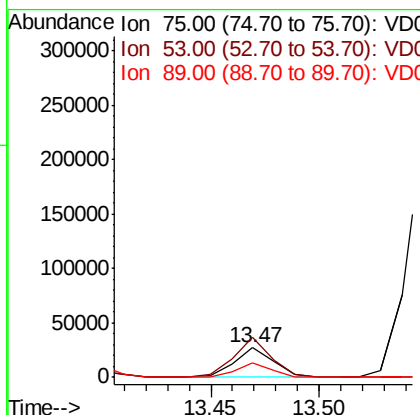
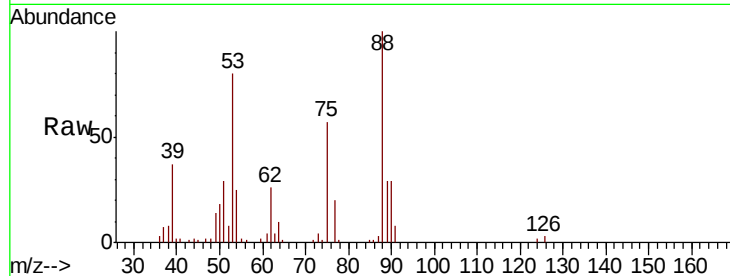




#81
trans-1,4-Dichloro-2-butene
Concen: 15.136 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD063233.D
Acq: 30 Jul 2019 11:22

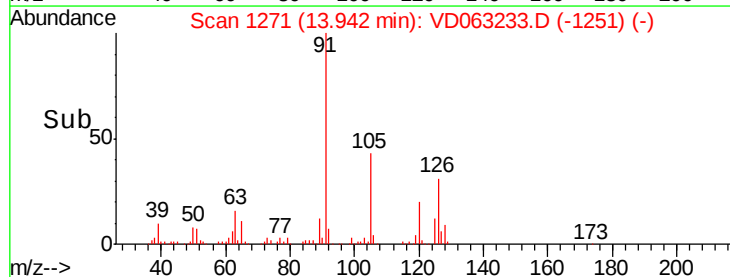
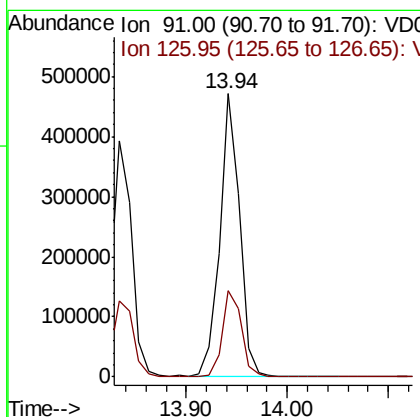
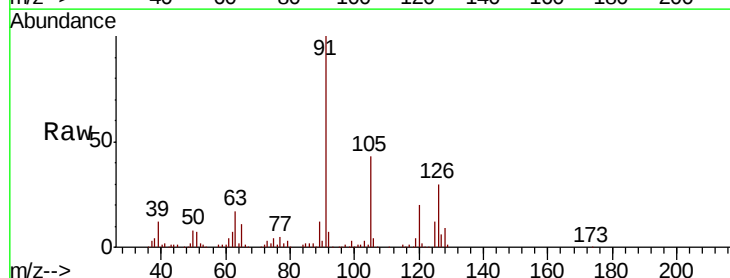
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

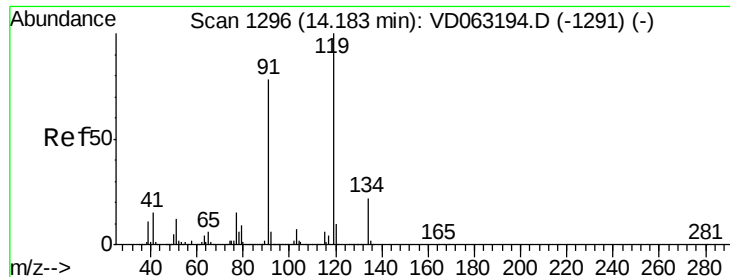
Tot Ion: 75 Resp: 34162
Ion Ratio Lower Upper
75 100
53 138.9 94.9 142.3
89 50.4 37.4 56.0



#82
4-Chlorotoluene
Concen: 18.753 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD063233.D
Acq: 30 Jul 2019 11:22

Tgt Ion: 91 Resp: 646357
Ion Ratio Lower Upper
91 100
126 30.4 17.1 51.2





#83

tert-Butylbenzene

Concen: 18.035 ug/l

RT: 14.19 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

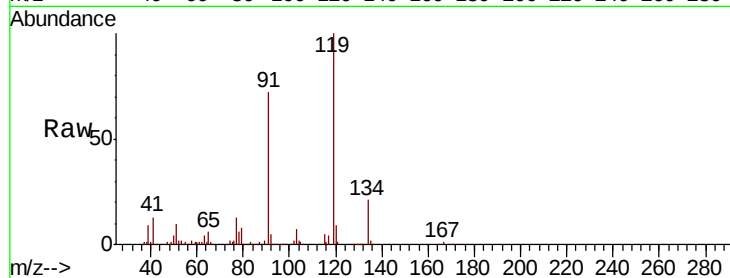
Tot Ion:119 Resp: 754354

Ion Ratio Lower Upper

119 100

91 71.8 39.1 117.5

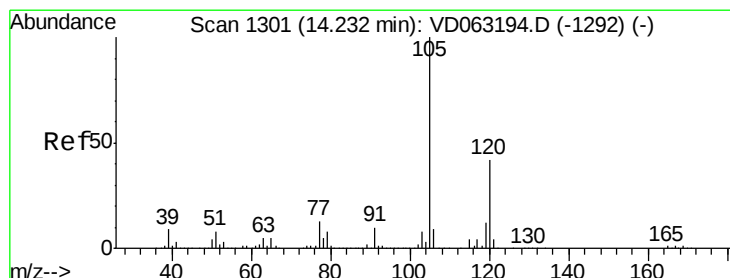
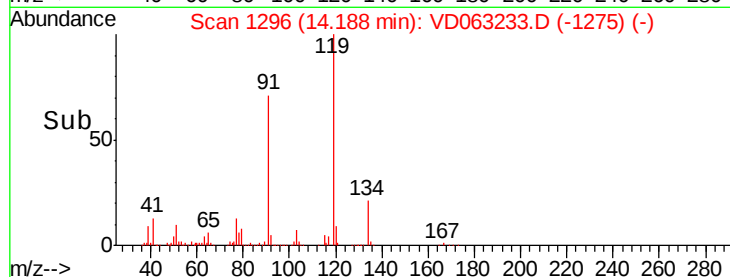
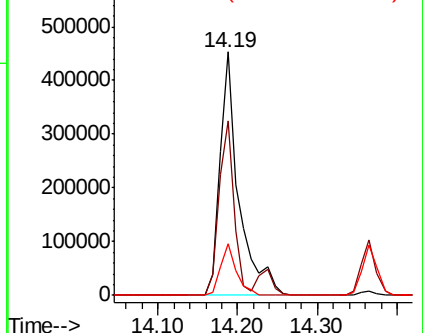
134 21.0 10.9 32.6



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: 16.905 ug/l

RT: 14.24 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD063233.D

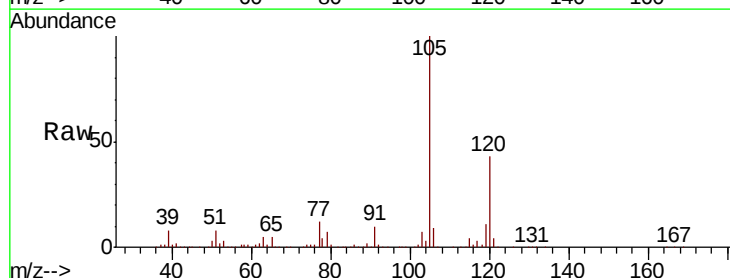
Acq: 30 Jul 2019 11:22

Tgt Ion:105 Resp: 640547

Ion Ratio Lower Upper

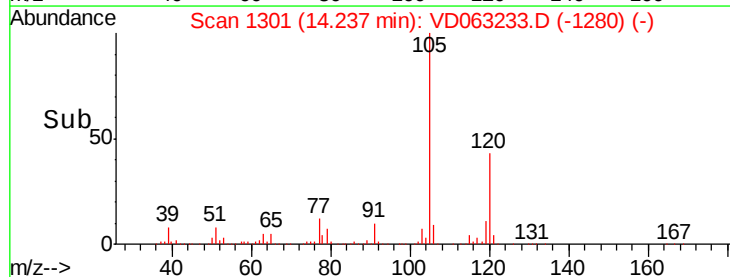
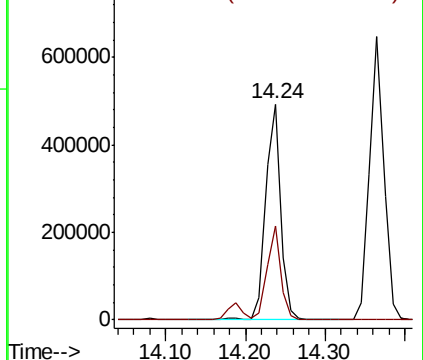
105 100

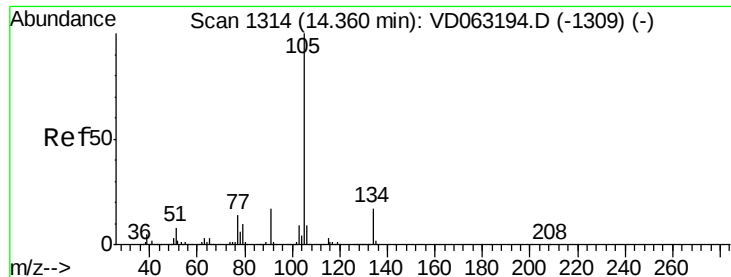
120 43.3 20.9 62.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 18.055 ug/l

RT: 14.37 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

Instrument :

MSVOA_D

ClientSampleId :

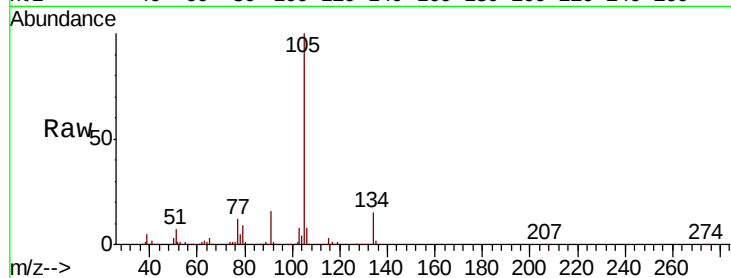
VD0730SBS01

Tot Ion:105 Resp: 795660

Ion Ratio Lower Upper

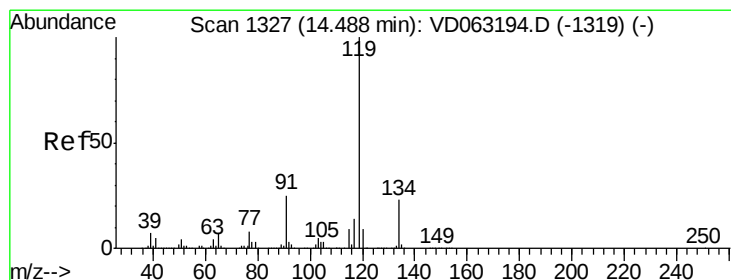
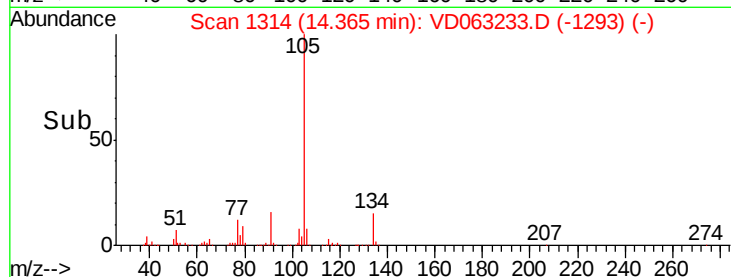
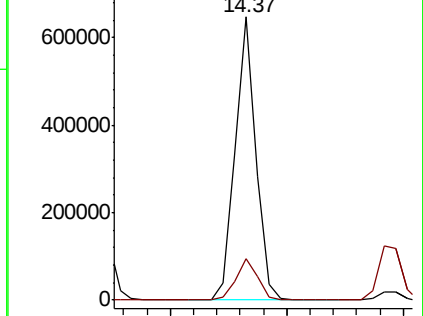
105 100

134 14.6 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: 19.123 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

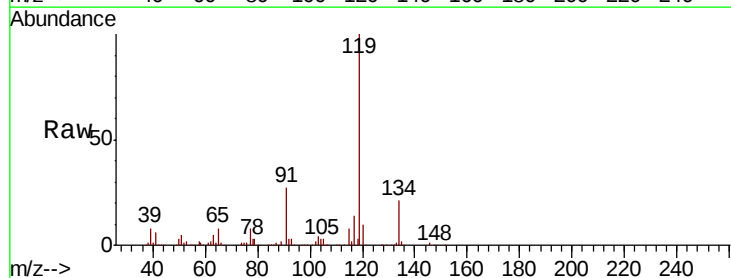
Tgt Ion:119 Resp: 804340

Ion Ratio Lower Upper

119 100

134 21.0 11.5 34.5

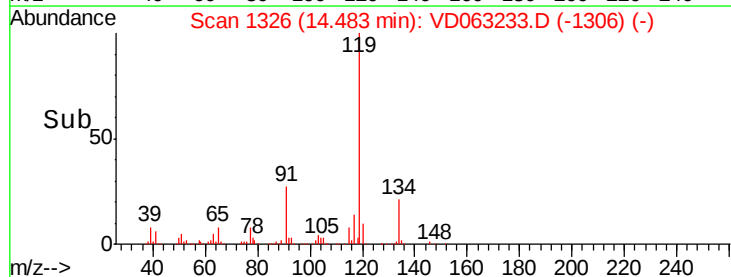
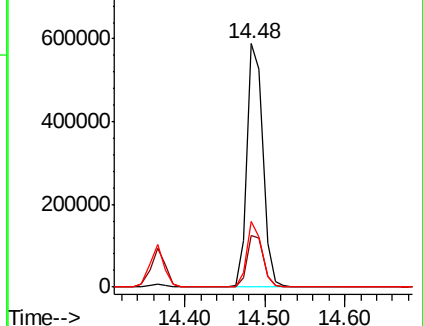
91 26.9 12.6 37.6

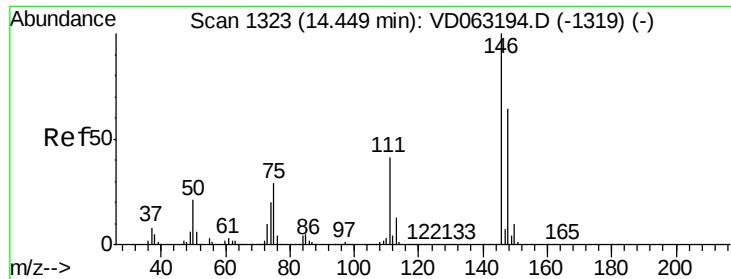


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 17.807 ug/l

RT: 14.45 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

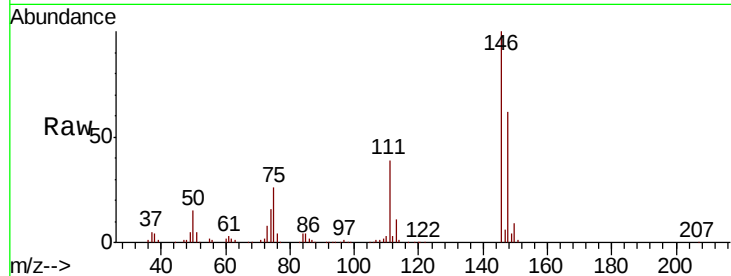
Tot Ion:146 Resp: 381554

Ion Ratio Lower Upper

146 100

111 39.4 20.4 61.3

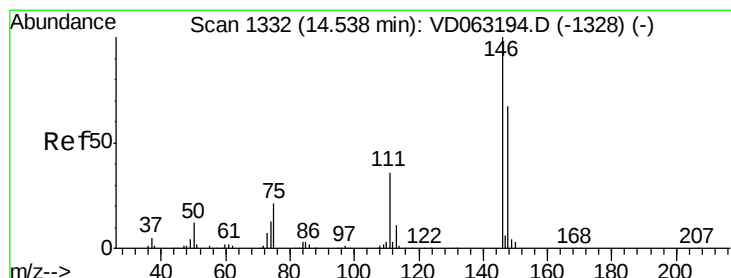
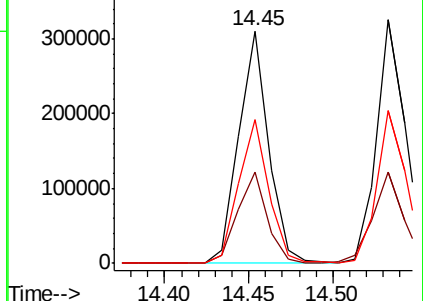
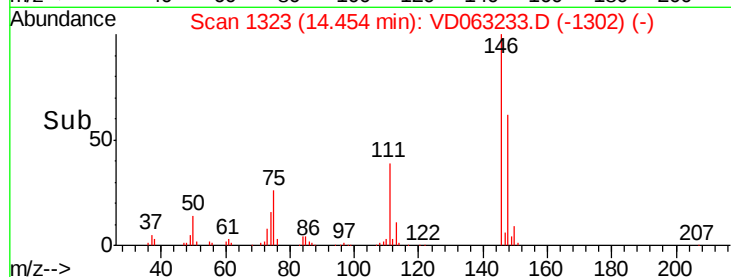
148 61.7 31.8 95.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.013 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. -0.01 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

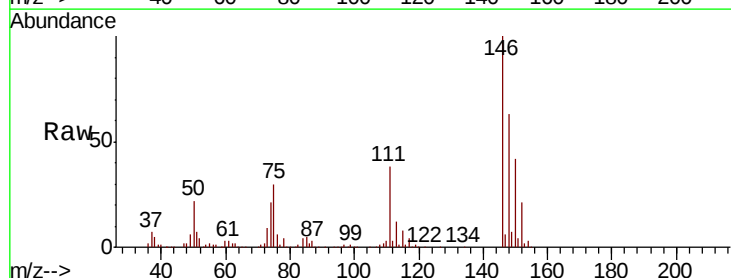
Tgt Ion:146 Resp: 390293

Ion Ratio Lower Upper

146 100

111 37.7 18.1 54.3

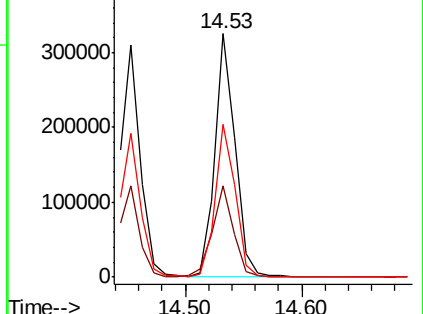
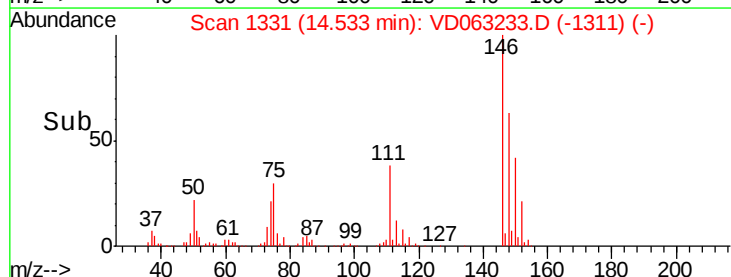
148 63.0 33.4 100.1

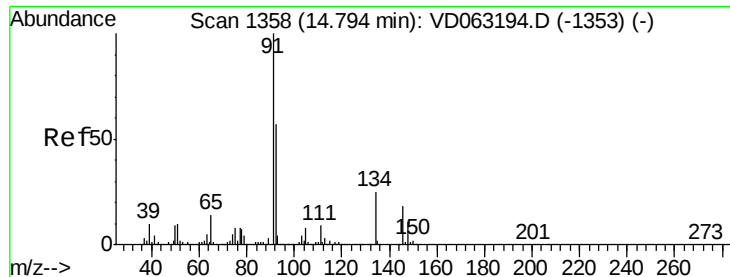


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 17.971 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD063233.D

Acq: 30 Jul 2019 11:22

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

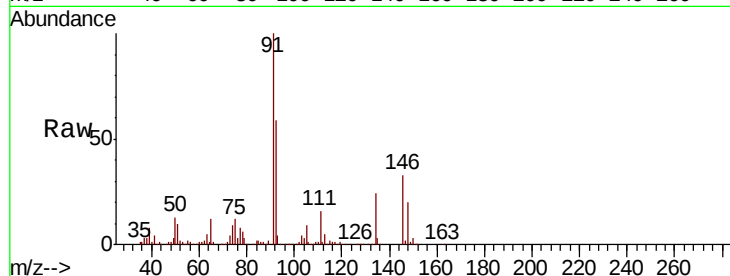
Tot Ion: 91 Resp: 652842

Ion Ratio Lower Upper

91 100

92 59.2 28.3 85.0

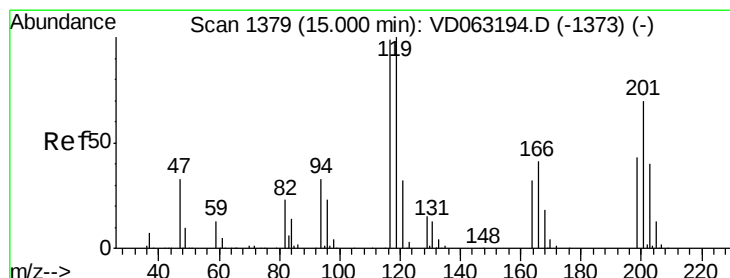
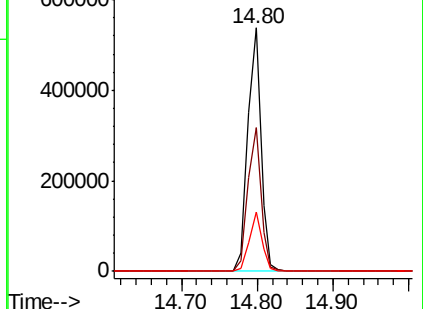
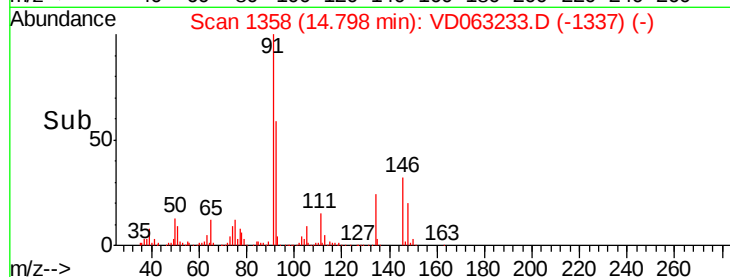
134 24.1 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 17.992 ug/l

RT: 15.01 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VD063233.D

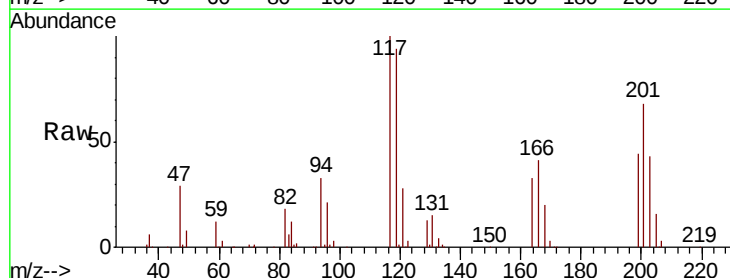
Acq: 30 Jul 2019 11:22

Tgt Ion: 117 Resp: 197168

Ion Ratio Lower Upper

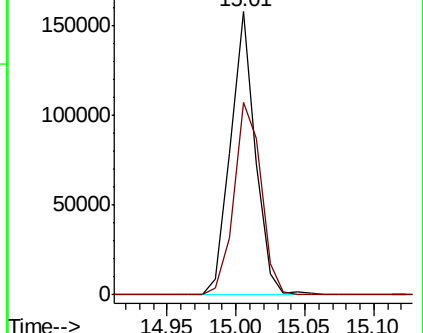
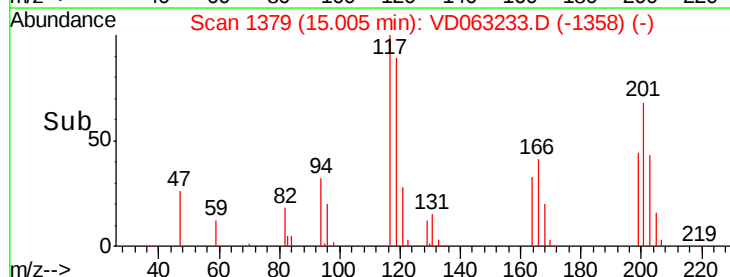
117 100

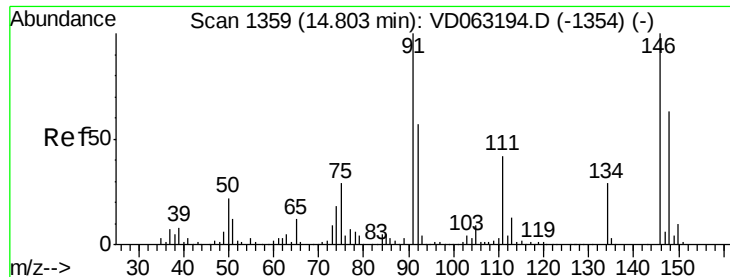
201 68.0 35.2 105.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

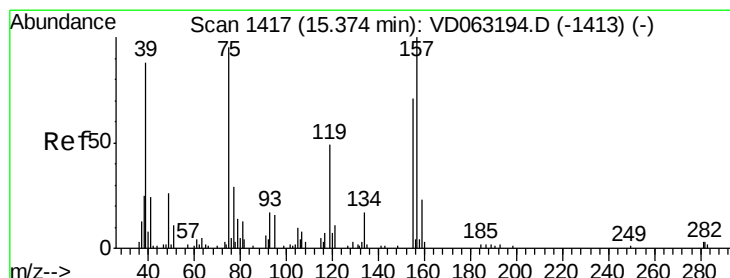
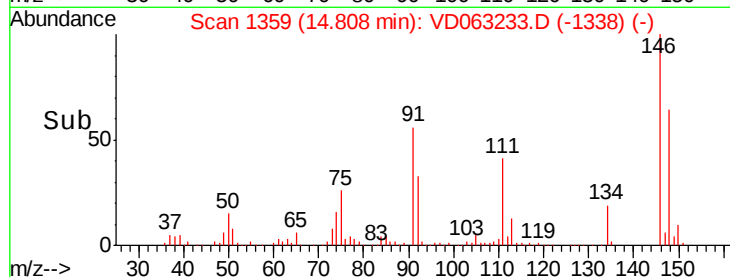
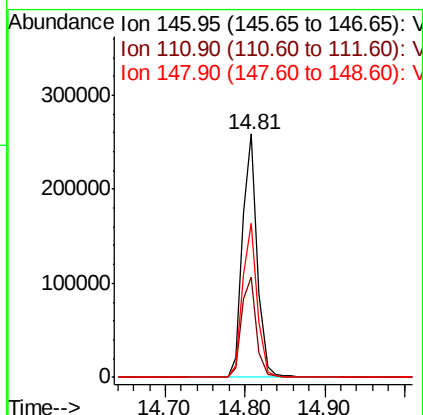
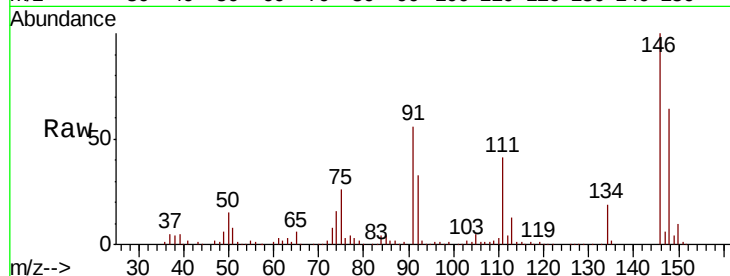




#91
 1,2-Dichlorobenzene
 Concen: 17.872 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD063233.D
 Acq: 30 Jul 2019 11:22

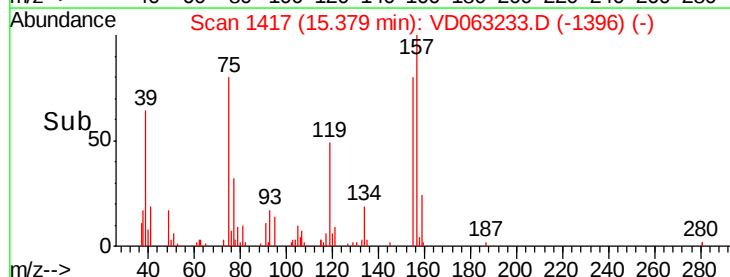
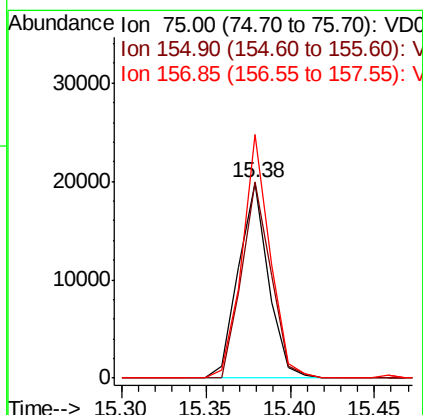
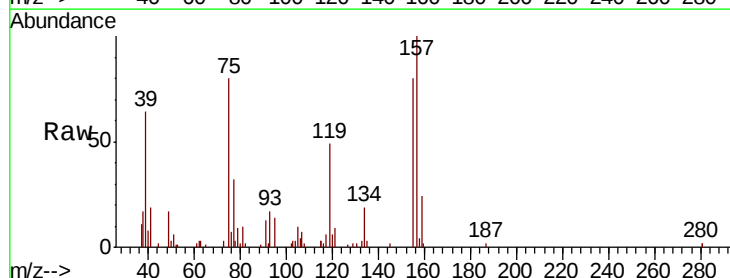
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

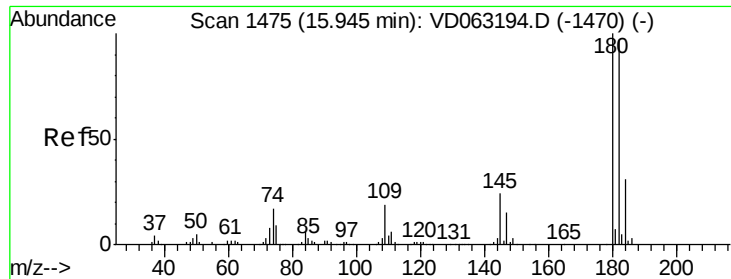
Tot Ion:146 Resp: 333650
 Ion Ratio Lower Upper
 146 100
 111 41.1 21.1 63.3
 148 63.5 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.642 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD063233.D
 Acq: 30 Jul 2019 11:22

Tgt Ion: 75 Resp: 24456
 Ion Ratio Lower Upper
 75 100
 155 100.2 37.0 111.0
 157 124.7 52.4 157.2

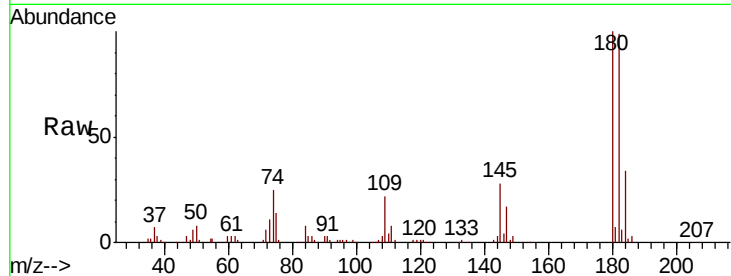




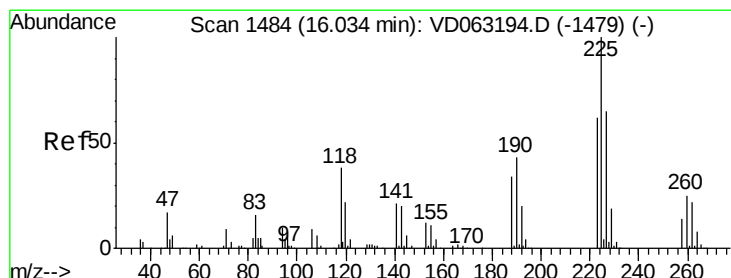
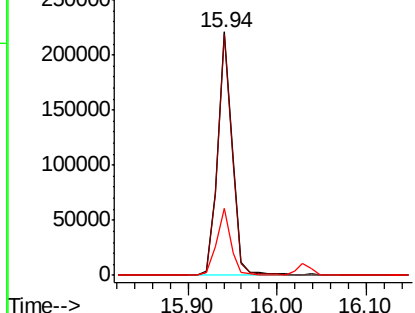
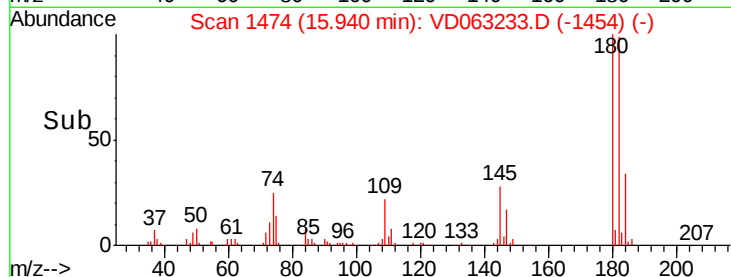
#93
 1,2,4-Trichlorobenzene
 Concen: 17.051 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063233.D
 Acq: 30 Jul 2019 11:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.8	48.6	145.8
145	27.6	12.2	36.6

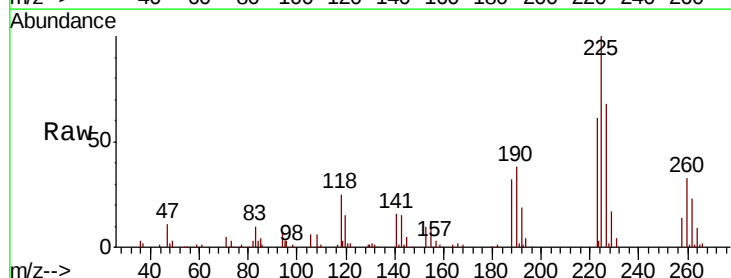


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

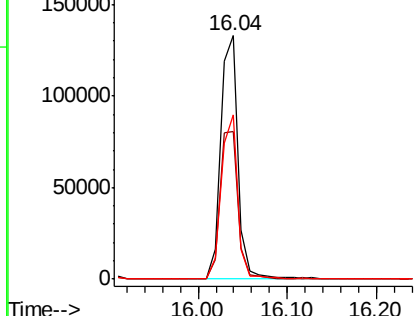
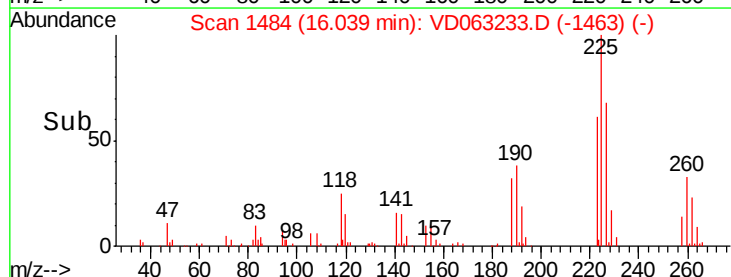


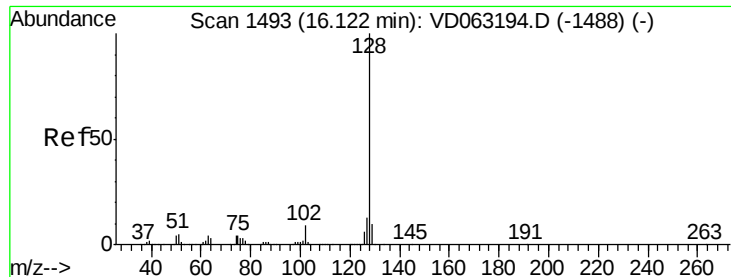
#94
 Hexachlorobutadiene
 Concen: 16.991 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063233.D
 Acq: 30 Jul 2019 11:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	30.9	92.5
227	67.6	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

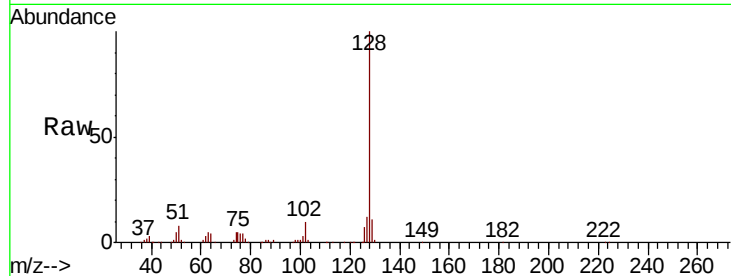




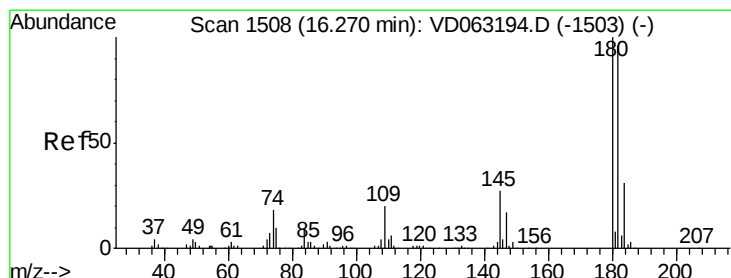
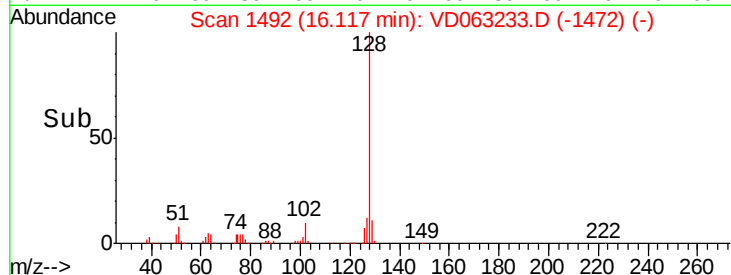
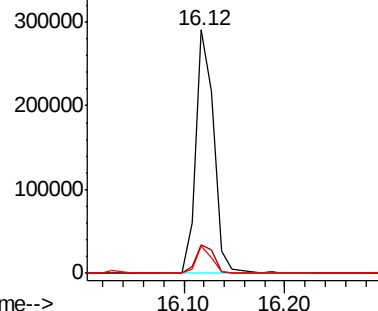
#95
Naphthalene
Concen: 17.293 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD063233.D
Acq: 30 Jul 2019 11:22

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion:128 Resp: 361974
Ion Ratio Lower Upper
128 100
127 11.8 10.2 15.4
129 11.2 7.8 11.8

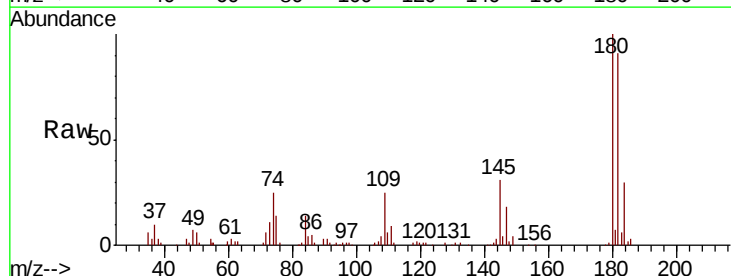


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 16.173 ug/l
RT: 16.27 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD063233.D
Acq: 30 Jul 2019 11:22

Tgt Ion:180 Resp: 189221
Ion Ratio Lower Upper
180 100
182 91.4 48.3 144.9
145 31.0 13.6 40.7



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

