

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080819\
 Data File : VD063454.D
 Acq On : 9 Aug 2019 00:14
 Operator : JC/SY
 Sample : VD0808SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS02

Quant Time: Aug 09 03:17:46 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	7.05	168	880247	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	1174160	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	1041955	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	550070	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	514526	52.68	ug/l	0.02
Spiked Amount			Recovery	=	105.36%	
35) Dibromofluoromethane	6.93	113	547022	54.57	ug/l	0.02
Spiked Amount			Recovery	=	109.14%	
50) Toluene-d8	10.42	98	1232459	54.93	ug/l	0.02
Spiked Amount			Recovery	=	109.86%	
62) 4-Bromofluorobenzene	13.56	95	561011	54.87	ug/l	0.00
Spiked Amount			Recovery	=	109.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	200971	18.678	ug/l	99
3) Chloromethane	1.75	50	166147	19.875	ug/l #	80
4) Vinyl Chloride	1.85	62	164136	18.966	ug/l	98
5) Bromomethane	2.15	94	76659	17.563	ug/l	91
6) Chloroethane	2.26	64	74839	18.730	ug/l #	89
7) Trichlorofluoromethane	2.53	101	348852	20.778	ug/l	99
8) Diethyl Ether	2.88	74	50934	21.677	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.15	101	192604	20.710	ug/l	94
10) Methyl Iodide	3.31	142	249539	18.574	ug/l	88
11) Tert butyl alcohol	4.09	59	48320	112.731	ug/l	97
12) 1,1-Dichloroethene	3.13	96	139865	20.486	ug/l	82
13) Acrolein	3.03	56	24968	60.526	ug/l #	65
14) Allyl chloride	3.63	41	231792	21.311	ug/l	100
15) Acrylonitrile	4.21	53	133183	119.849	ug/l	89
16) Acetone	3.23	43	187720	98.643	ug/l	97
17) Carbon Disulfide	3.38	76	396371	17.345	ug/l	98
18) Methyl Acetate	3.65	43	111505	30.504	ug/l	100
19) Methyl tert-butyl Ether	4.25	73	351849	22.814	ug/l	99
20) Methylene Chloride	3.81	84	184966	24.046	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	156242	20.395	ug/l	91
22) Diisopropyl ether	5.13	45	456409	21.004	ug/l	99
23) Vinyl Acetate	5.07	43	1357604	101.636	ug/l	100
24) 1,1-Dichloroethane	4.99	63	291496	21.001	ug/l	97
25) 2-Butanone	6.09	43	204758	107.212	ug/l #	91
26) 2,2-Dichloropropane	6.04	77	258863	18.097	ug/l	93
27) cis-1,2-Dichloroethene	6.05	96	173865	21.168	ug/l	89
28) Bromochloromethane	6.44	49	120080	21.713	ug/l #	82
29) Tetrahydrofuran	6.47	42	102004	112.809	ug/l	97
30) Chloroform	6.68	83	359972	20.898	ug/l	100
31) Cyclohexane	6.96	56	150753	17.328	ug/l	95
32) 1,1,1-Trichloroethane	6.88	97	333404	20.010	ug/l	94
36) 1,1-Dichloropropene	7.16	75	223335	20.842	ug/l	99
37) Ethyl Acetate	6.19	43	89122	18.513	ug/l #	98
38) Carbon Tetrachloride	7.12	117	334317	20.724	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	171978	19.263	ug/l	98
40) Benzene	7.46	78	496675	22.116	ug/l	99
41) Methacrylonitrile	6.46	41	137791	23.928	ug/l #	88
42) 1,2-Dichloroethane	7.58	62	266623	22.401	ug/l	100
43) Isopropyl Acetate	9.25	43	139141	22.626	ug/l #	95
44) Trichloroethene	8.55	130	190721	20.958	ug/l	99
45) 1,2-Dichloropropane	8.95	63	126896	22.230	ug/l	98
46) Dibromomethane	9.08	93	115892	24.417	ug/l	93
47) Bromodichloromethane	9.38	83	270268	22.338	ug/l	95
48) Methyl methacrylate	9.13	41	97715	24.500	ug/l	94
49) 1,4-Dioxane	9.10	88	16013	471.781	ug/l #	81
51) 4-Methyl-2-Pentanone	10.31	43	503100	120.295	ug/l	98
52) Toluene	10.52	92	310072	20.759	ug/l	93
53) t-1,3-Dichloropropene	10.92	75	224854	21.557	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	245977	22.438	ug/l	95
55) 1,1,2-Trichloroethane	11.20	97	120836	23.953	ug/l	97
56) Ethyl methacrylate	11.06	69	121375	21.972	ug/l	94
57) 1,3-Dichloropropane	11.41	76	182095	22.910	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.87	63	375182	130.525	ug/l	98
59) 2-Hexanone	11.54	43	343746	114.055	ug/l	95
60) Dibromochloromethane	11.70	129	217364	22.824	ug/l	99
61) 1,2-Dibromoethane	11.82	107	152738	24.537	ug/l	99
64) Tetrachloroethene	11.26	164	173648	20.919	ug/l	97
65) Chlorobenzene	12.41	112	414317	20.673	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	195061	22.096	ug/l	96
67) Ethyl Benzene	12.53	91	715623	21.019	ug/l	99
68) m/p-Xylenes	12.67	106	488487	39.124	ug/l	94
69) o-Xylene	13.06	106	230800	20.130	ug/l	98
70) Styrene	13.08	104	413629	20.342	ug/l	98
71) Bromoform	13.24	173	139808	21.777	ug/l	97
73) Isopropylbenzene	13.41	105	731486	21.188	ug/l	99
74) N-amyl acetate	13.27	43	205762	22.545	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.71	83	138601	23.634	ug/l	95
76) 1,2,3-Trichloropropane	13.74	75	142687	21.596	ug/l	91
77) Bromobenzene	13.68	156	216662	22.030	ug/l	85
78) n-propylbenzene	13.77	91	837969	20.396	ug/l	95
79) 2-Chlorotoluene	13.84	91	525096	22.058	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	625546	21.008	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	35278	19.229	ug/l	94
82) 4-Chlorotoluene	13.95	91	621096	22.169	ug/l	94
83) tert-Butylbenzene	14.20	119	700300	20.597	ug/l	89
84) 1,2,4-Trimethylbenzene	14.25	105	645427	20.956	ug/l	99
85) sec-Butylbenzene	14.38	105	721747	20.149	ug/l	98
86) p-Isopropyltoluene	14.49	119	682669	19.967	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	356314	20.458	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	348390	19.781	ug/l	96
89) n-Butylbenzene	14.80	91	586924	19.876	ug/l	92
90) Hexachloroethane	15.02	117	169580	19.038	ug/l	87
91) 1,2-Dichlorobenzene	14.82	146	329014	21.681	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.39	75	24279	20.325	ug/l	67

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Quant Title : SW846 8260
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Response via : Initial Calibration

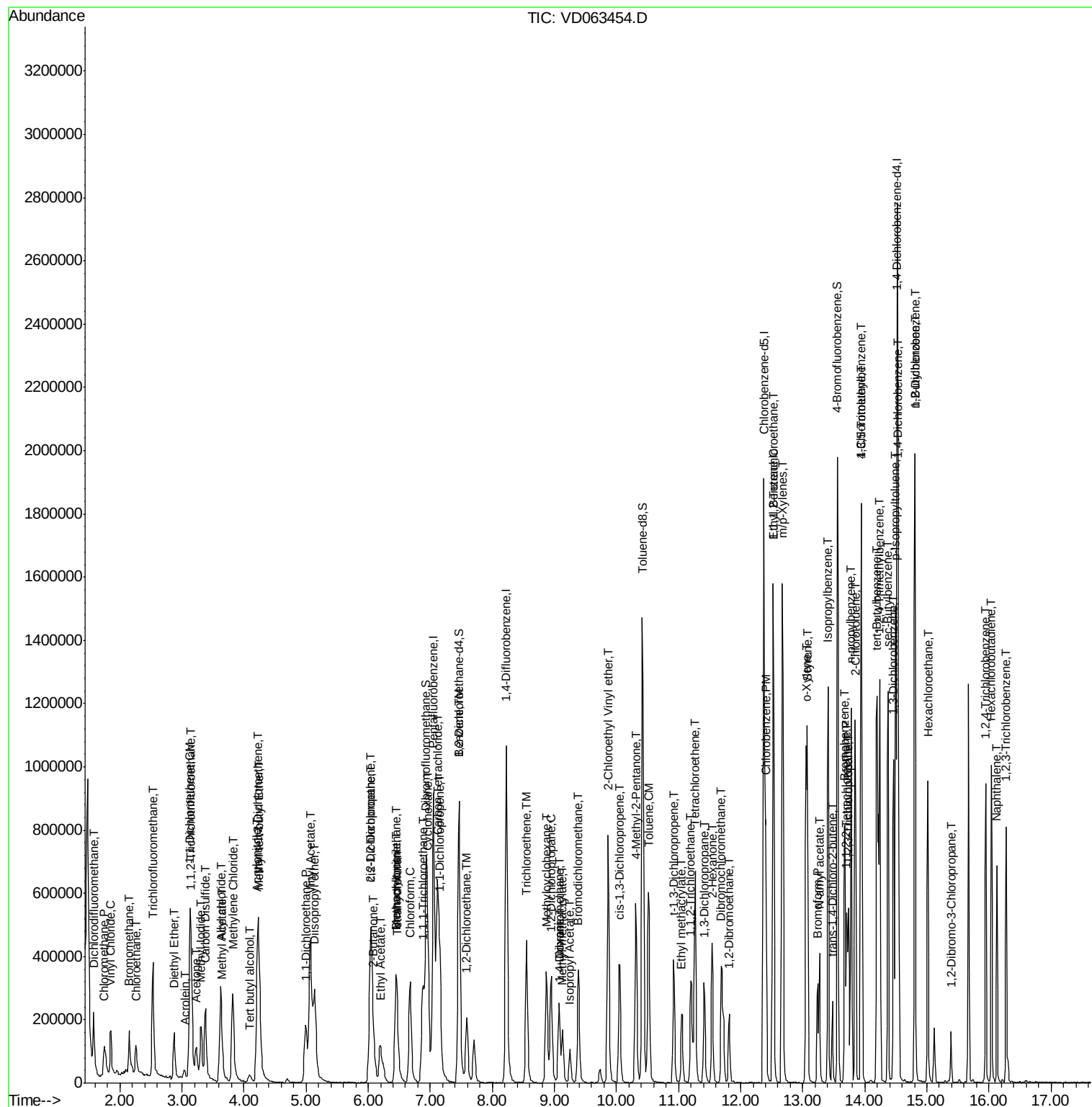
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	231427	19.224	µg/l	96
94) Hexachlorobutadiene	16.04	225	156814	17.975	µg/l	93
95) Naphthalene	16.13	128	385253	22.642	µg/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	188032	19.772	µg/l	97

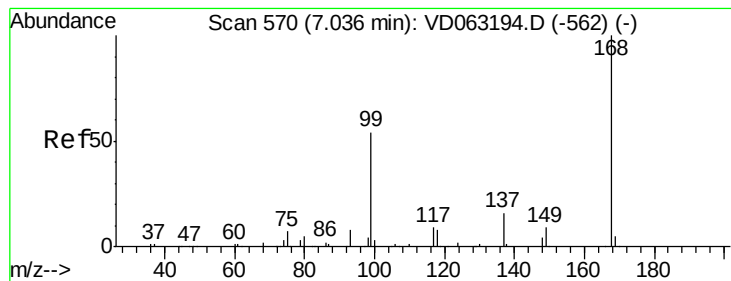
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

Instrument :

MSVOA_D

ClientSampleId :

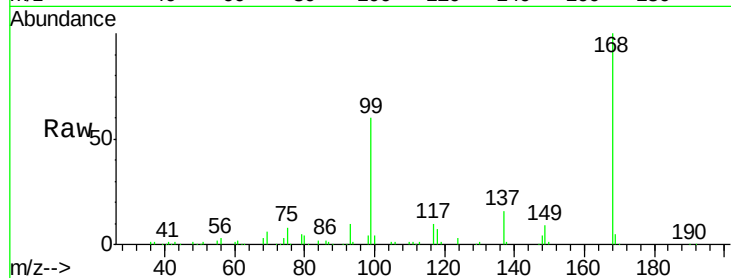
VD0808SBS02

Tot Ion:168 Resp: 880247

Ion Ratio Lower Upper

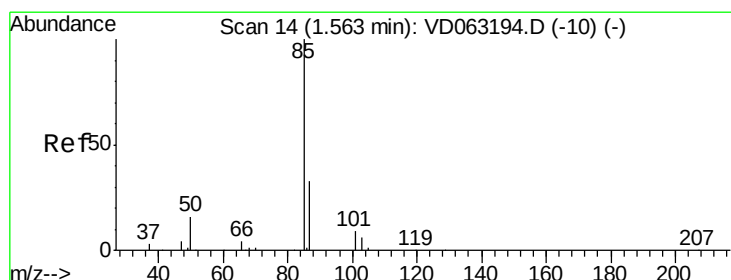
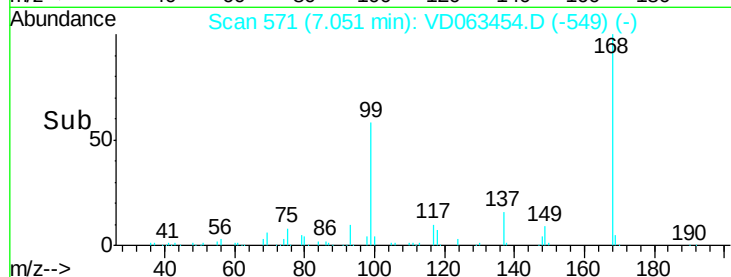
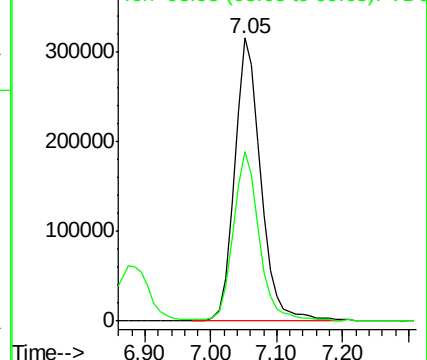
168 100

99 59.9 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.678 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.02 min

Lab File: VD063454.D

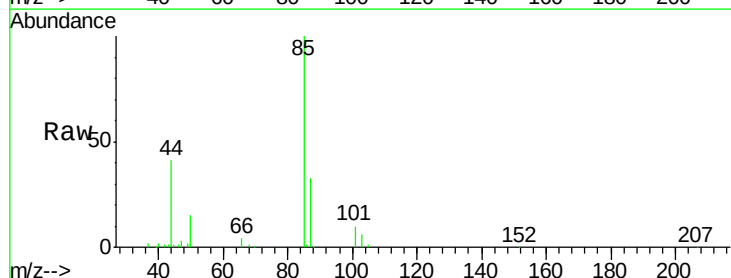
Acq: 9 Aug 2019 00:14

Tgt Ion: 85 Resp: 200971

Ion Ratio Lower Upper

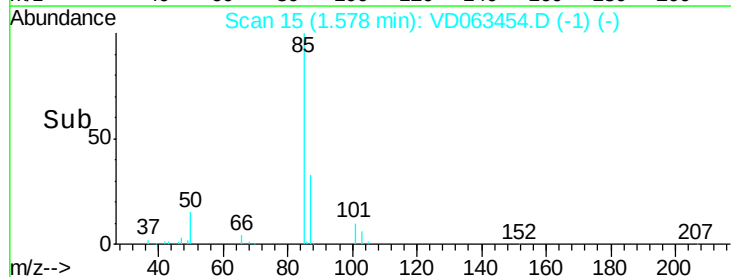
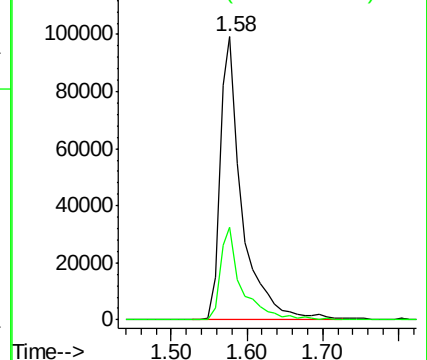
85 100

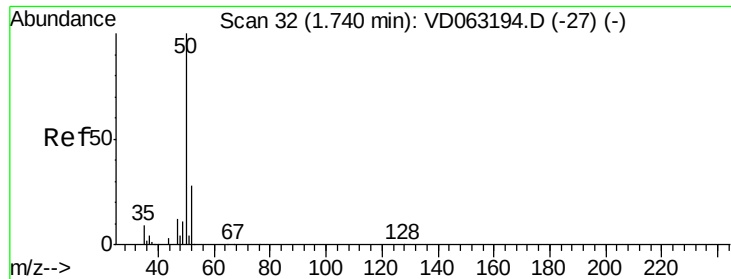
87 32.8 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.875 ug/l

RT: 1.75 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

Instrument :

MSVOA_D

ClientSampleId :

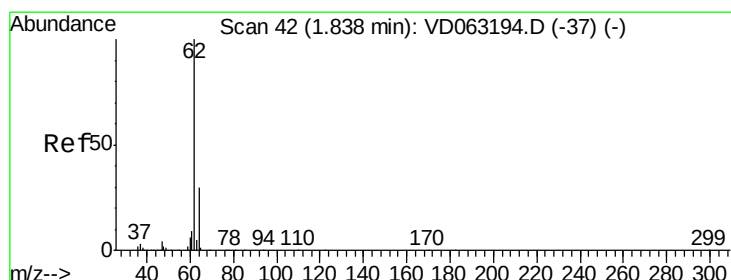
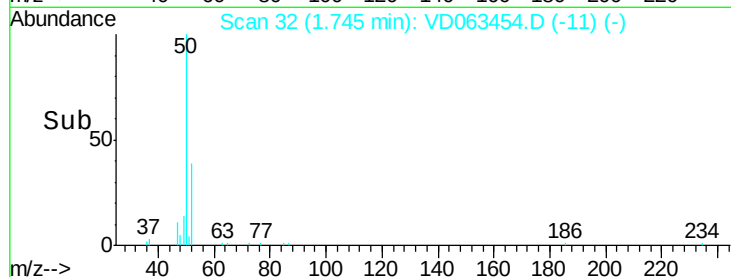
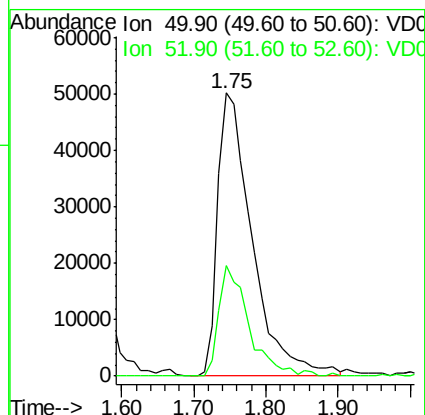
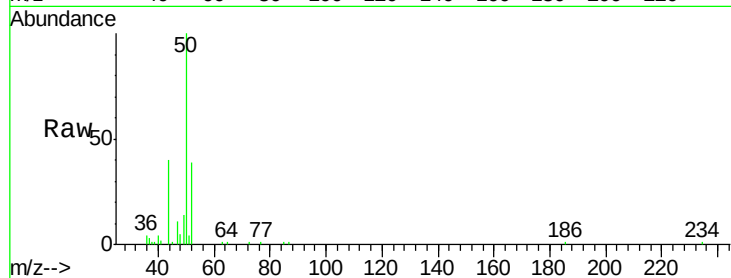
VD0808SBS02

Tot Ion: 50 Resp: 166147

Ion Ratio Lower Upper

50 100

52 38.9 22.6 34.0#



#4

Vinyl Chloride

Concen: 18.966 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.02 min

Lab File: VD063454.D

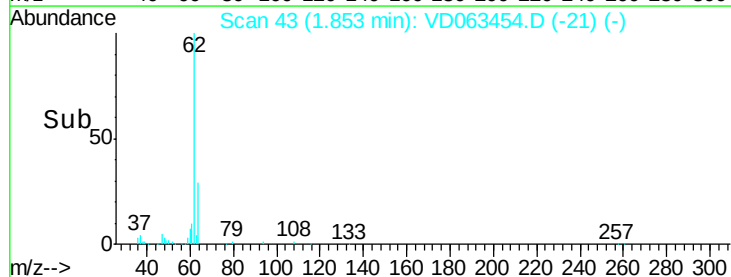
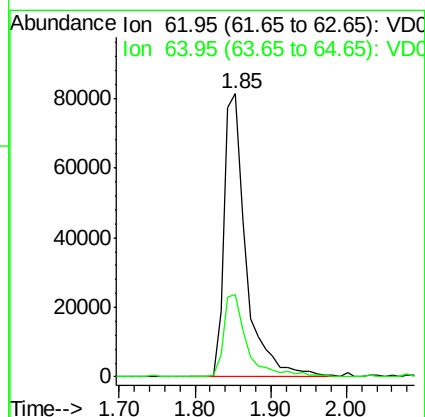
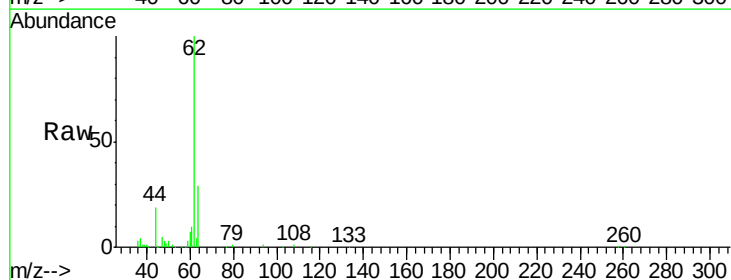
Acq: 9 Aug 2019 00:14

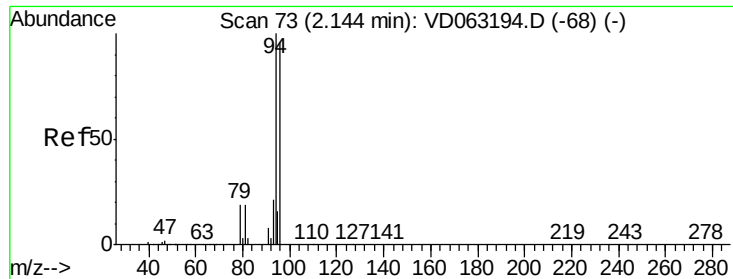
Tgt Ion: 62 Resp: 164136

Ion Ratio Lower Upper

62 100

64 29.2 24.1 36.1





#5

Bromomethane

Concen: 17.563 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS02

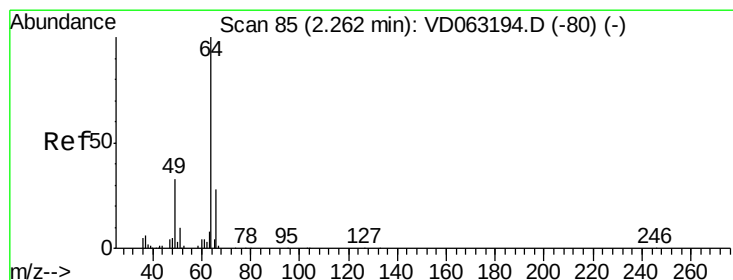
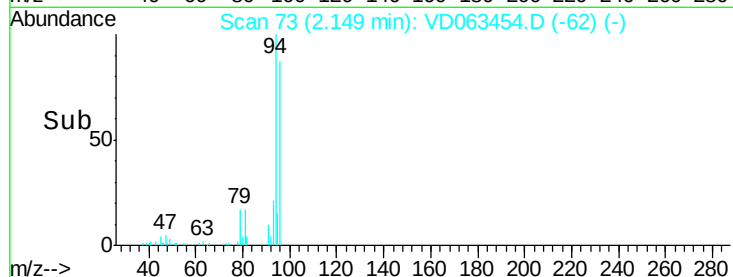
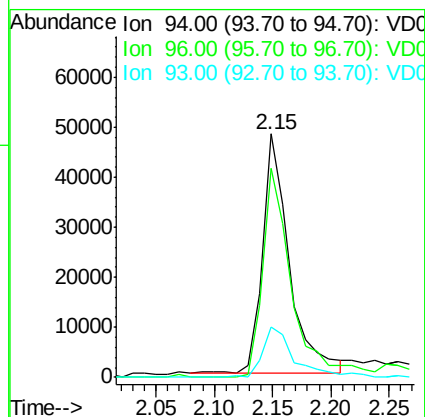
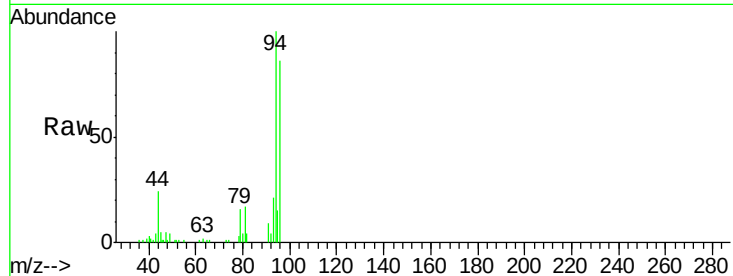
Tot Ion: 94 Resp: 76659

Ion Ratio Lower Upper

94 100

96 85.8 76.4 114.6

93 20.6 17.3 25.9



#6

Chloroethane

Concen: 18.730 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.00 min

Lab File: VD063454.D

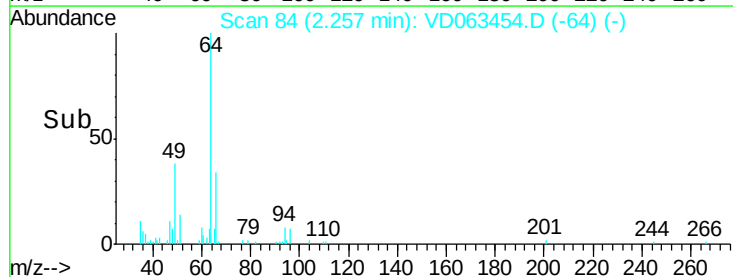
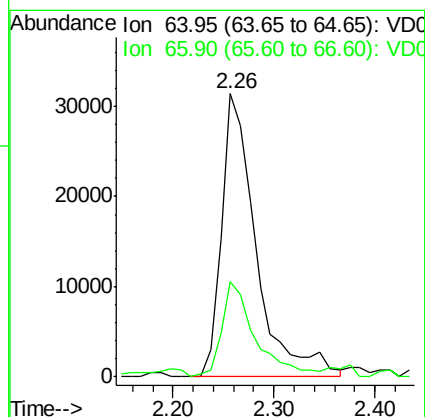
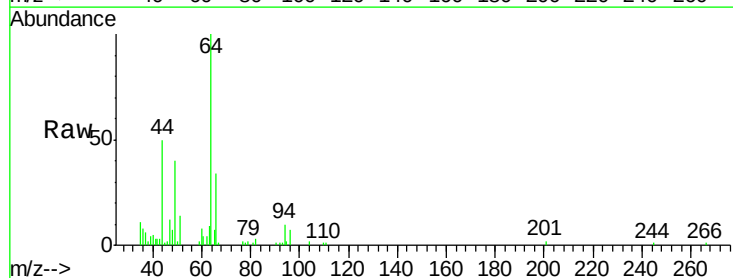
Acq: 9 Aug 2019 00:14

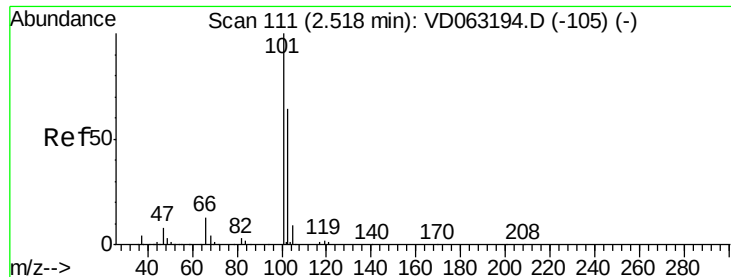
Tgt Ion: 64 Resp: 74839

Ion Ratio Lower Upper

64 100

66 33.6 22.2 33.2#



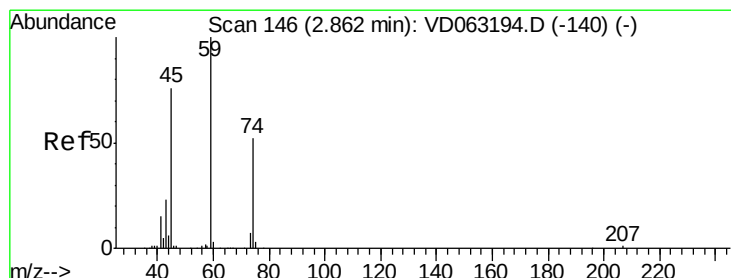
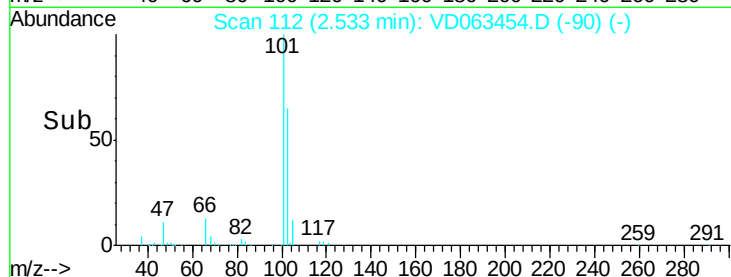
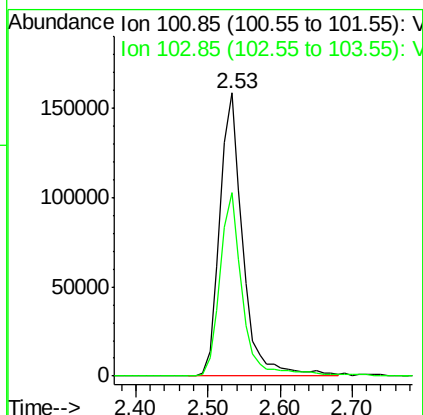
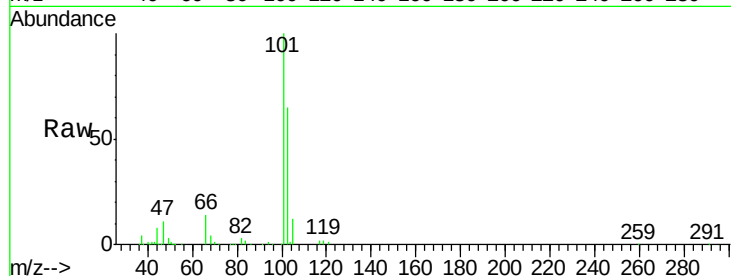


#7

Trichlorofluoromethane
 Concen: 20.778 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.02 min
 Lab File: VD063454.D
 Acq: 9 Aug 2019 00:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS02

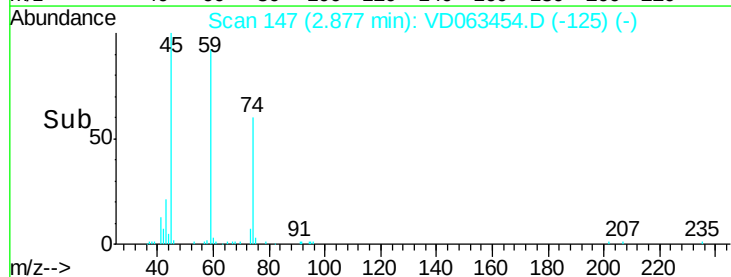
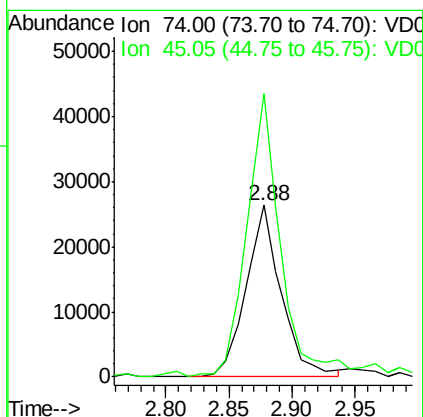
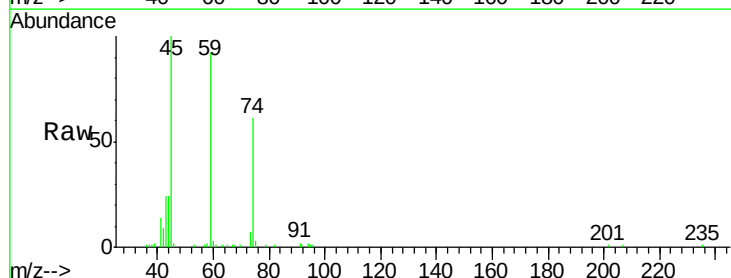
Tot Ion:101 Resp: 348852
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.5 77.3

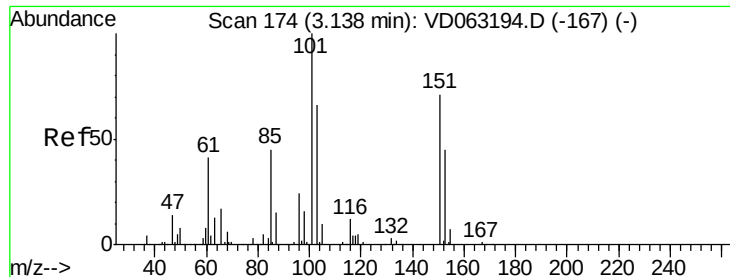


#8

Diethyl Ether
 Concen: 21.677 ug/l
 RT: 2.88 min Scan# 147
 Delta R.T. 0.02 min
 Lab File: VD063454.D
 Acq: 9 Aug 2019 00:14

Tgt Ion: 74 Resp: 50934
 Ion Ratio Lower Upper
 74 100
 45 164.6 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.710 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS02

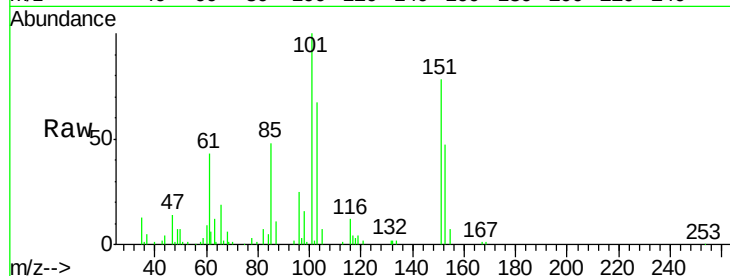
Tot Ion:101 Resp: 192604

Ion Ratio Lower Upper

101 100

85 47.5 36.1 54.1

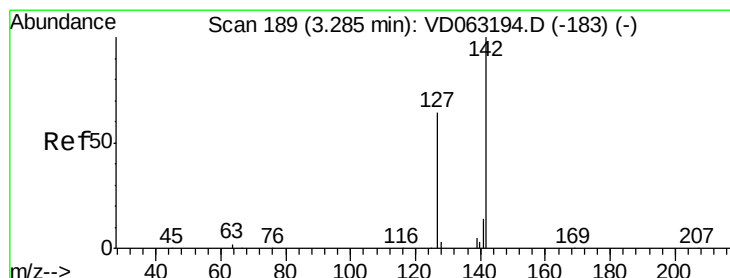
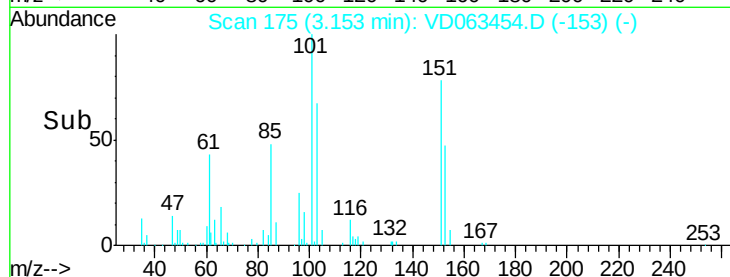
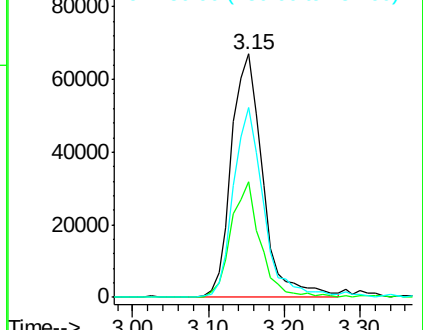
151 78.0 57.1 85.7



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: 18.574 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

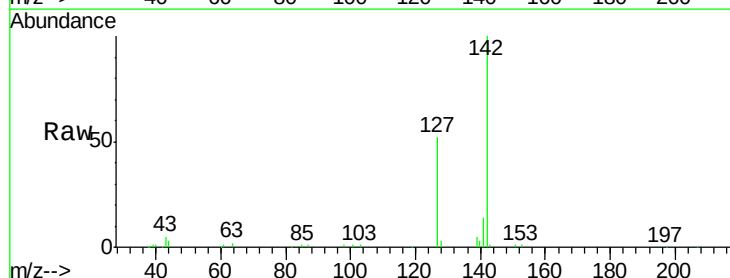
Tgt Ion:142 Resp: 249539

Ion Ratio Lower Upper

142 100

127 52.5 50.8 76.2

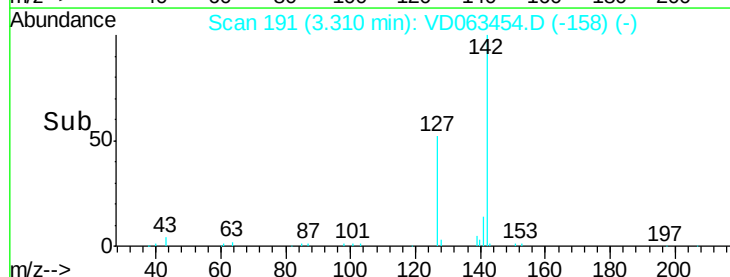
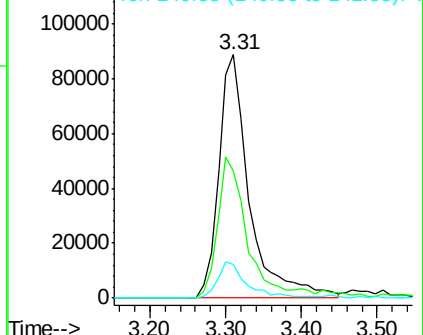
141 13.7 11.4 17.2

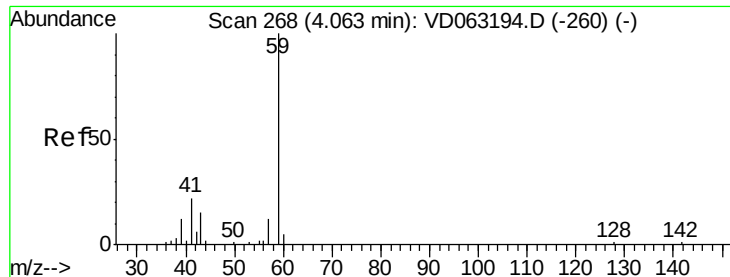


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



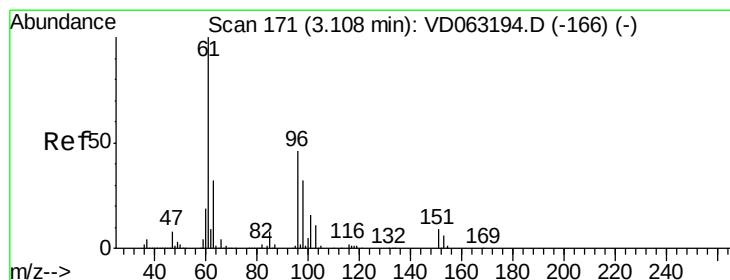
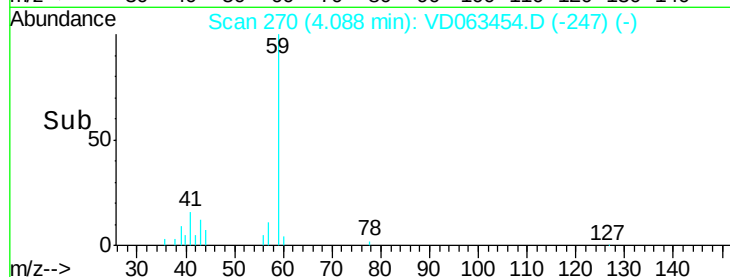
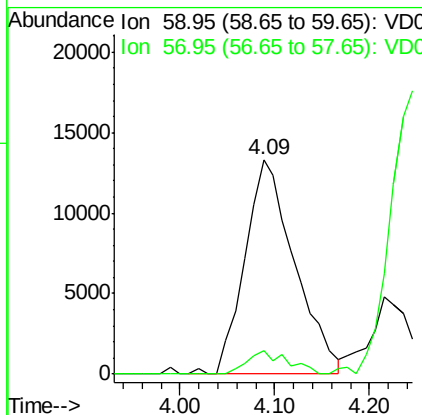
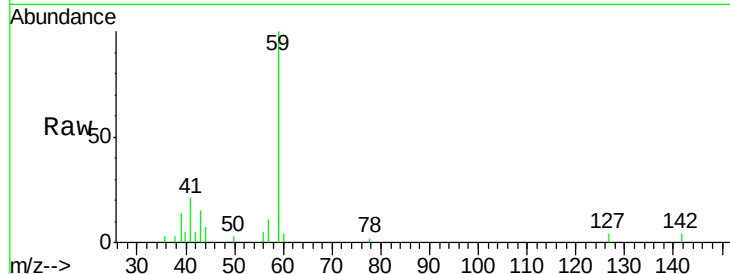


#11

Tert butyl alcohol
 Concen: 112.731 ug/l
 RT: 4.09 min Scan# 270
 Delta R.T. 0.02 min
 Lab File: VD063454.D
 Acq: 9 Aug 2019 00:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS02

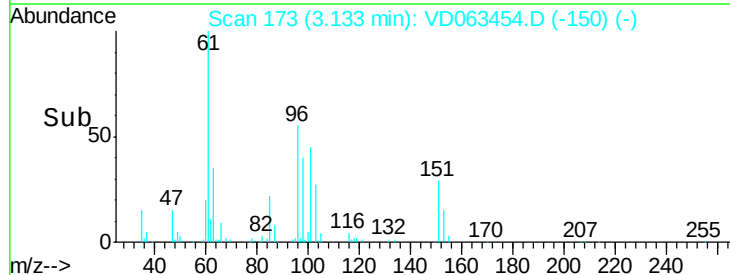
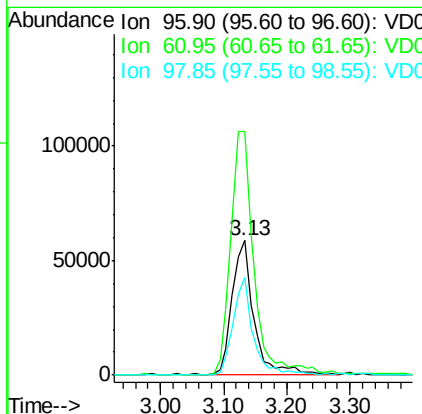
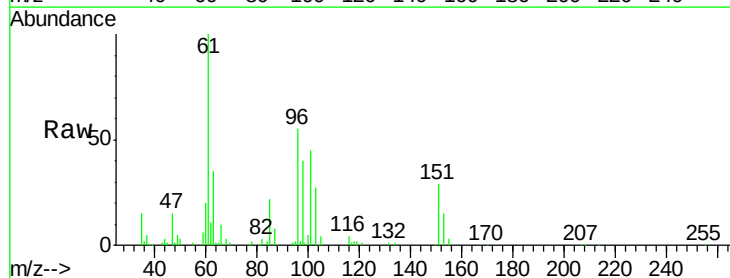
Tot Ion: 59 Resp: 48320
 Ion Ratio Lower Upper
 59 100
 57 10.9 9.6 14.4

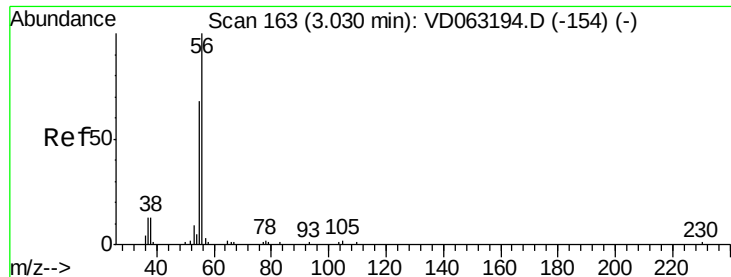


#12

1,1-Dichloroethene
 Concen: 20.486 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. 0.02 min
 Lab File: VD063454.D
 Acq: 9 Aug 2019 00:14

Tgt Ion: 96 Resp: 139865
 Ion Ratio Lower Upper
 96 100
 61 181.0 173.7 260.5
 98 73.0 55.8 83.8





#13

Acrolein

Concen: 60.526 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.01 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

Instrument :

MSVOA_D

ClientSampleId :

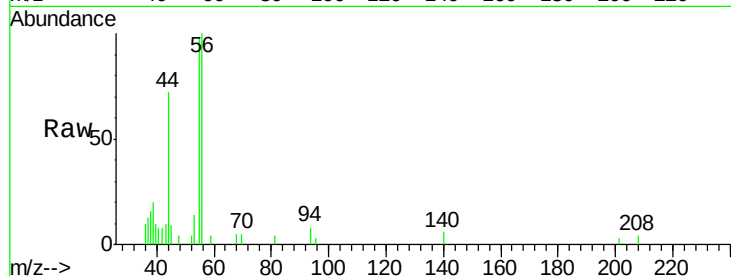
VD0808SBS02

Tot Ion: 56 Resp: 24968

Ion Ratio Lower Upper

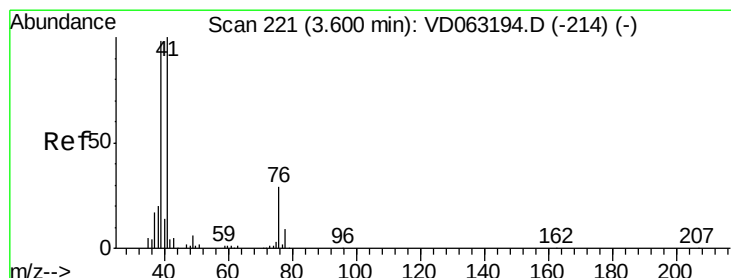
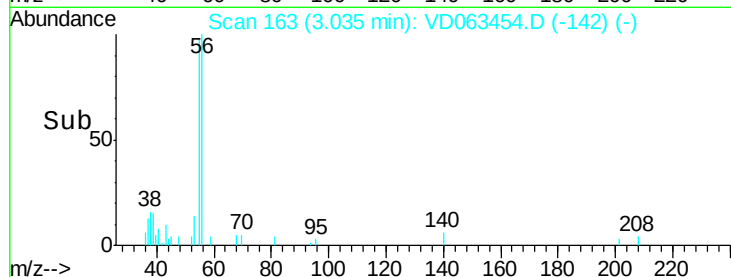
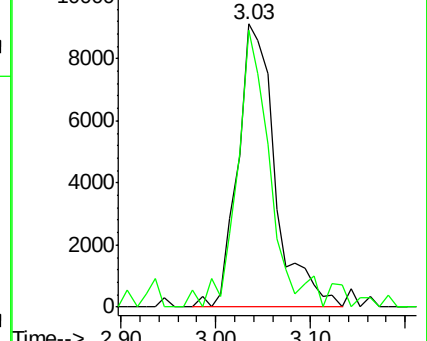
56 100

55 98.0 55.3 82.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.311 ug/l

RT: 3.63 min Scan# 223

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

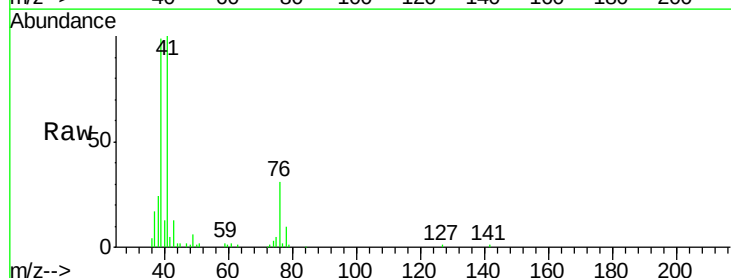
Tgt Ion: 41 Resp: 231792

Ion Ratio Lower Upper

41 100

39 98.8 78.6 117.8

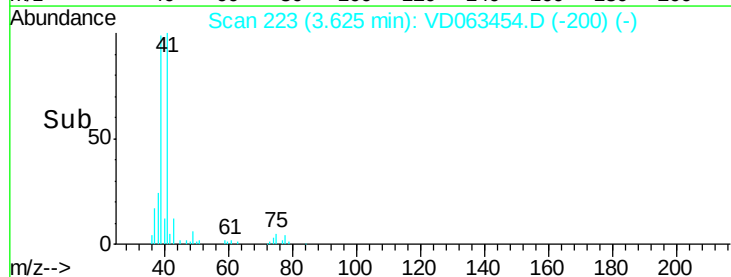
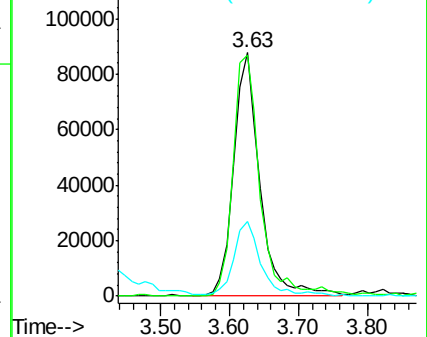
76 30.6 24.5 36.7

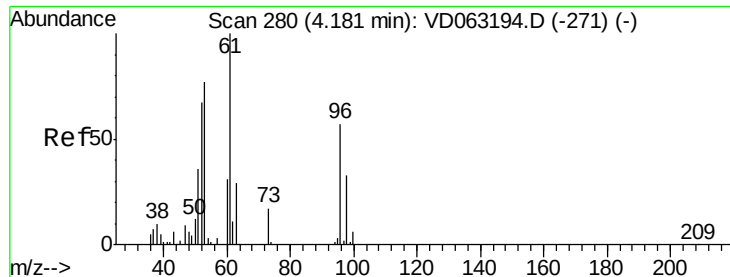


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 119.849 ug/l

RT: 4.21 min Scan# 282

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS02

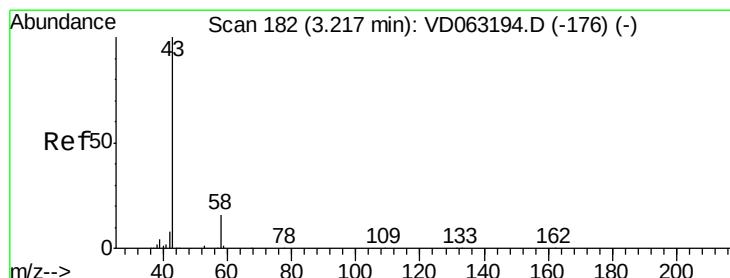
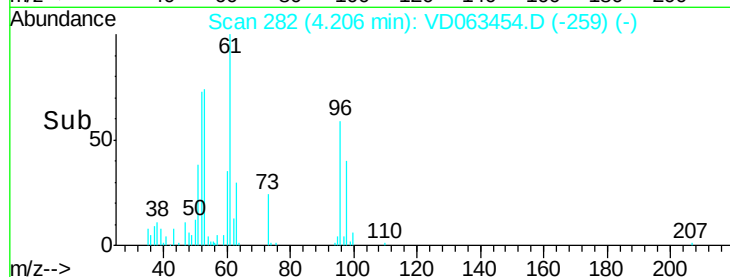
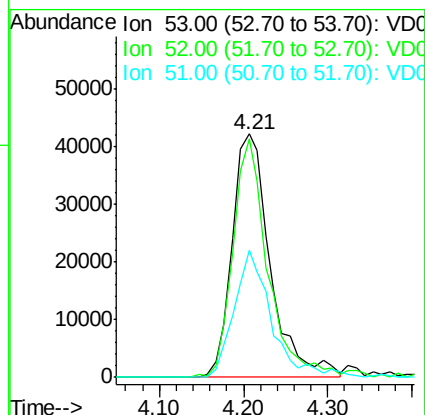
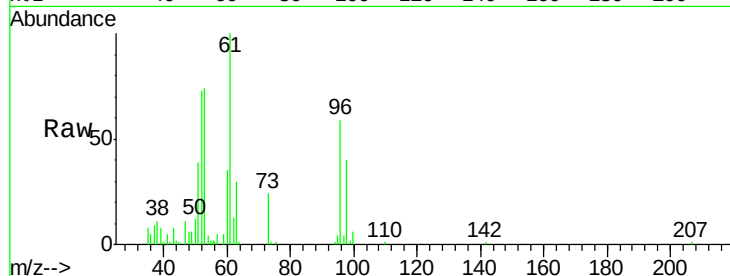
Tot Ion: 53 Resp: 133183

Ion Ratio Lower Upper

53 100

52 98.1 69.7 104.5

51 52.1 37.4 56.0



#16

Acetone

Concen: 98.643 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD063454.D

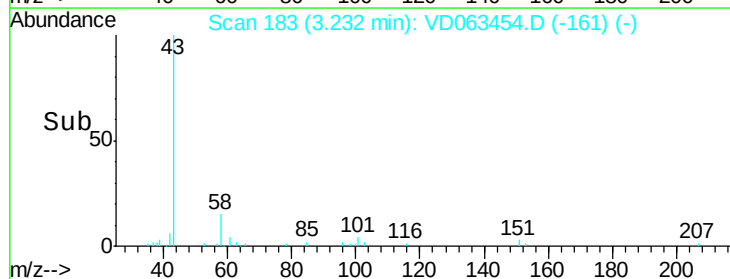
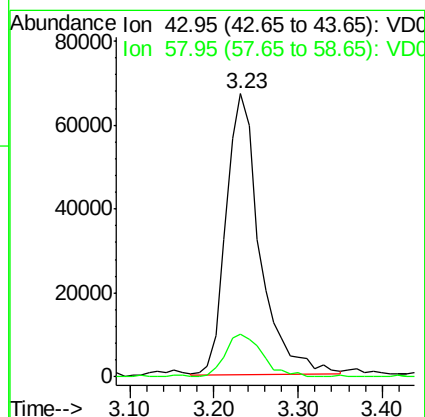
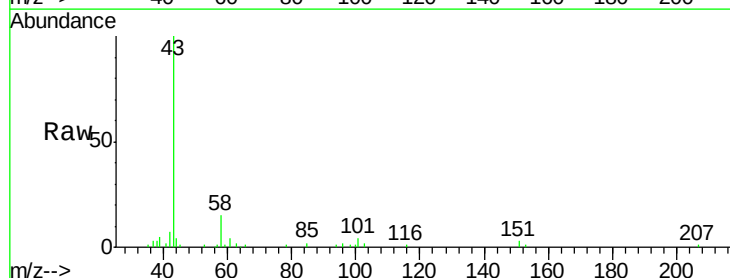
Acq: 9 Aug 2019 00:14

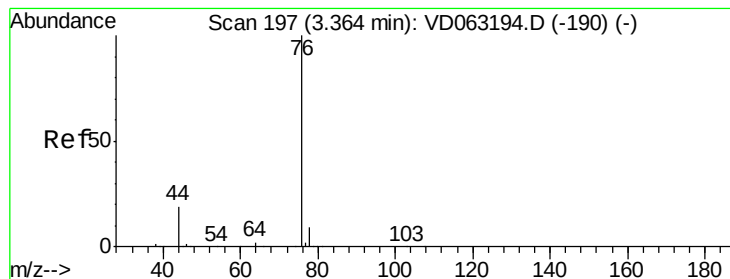
Tgt Ion: 43 Resp: 187720

Ion Ratio Lower Upper

43 100

58 15.0 13.0 19.4





#17

Carbon Disulfide

Concen: 17.345 ug/l

RT: 3.38 min Scan# 198

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

Instrument :

MSVOA_D

ClientSampleId :

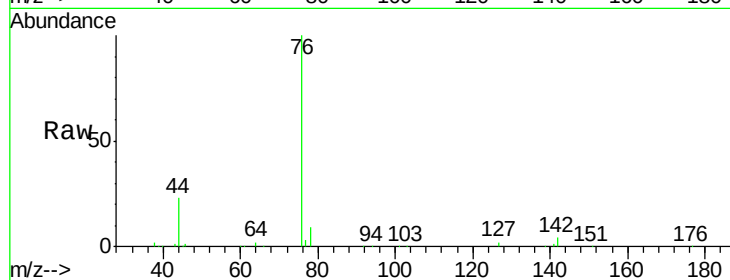
VD0808SBS02

Tot Ion: 76 Resp: 396371

Ion Ratio Lower Upper

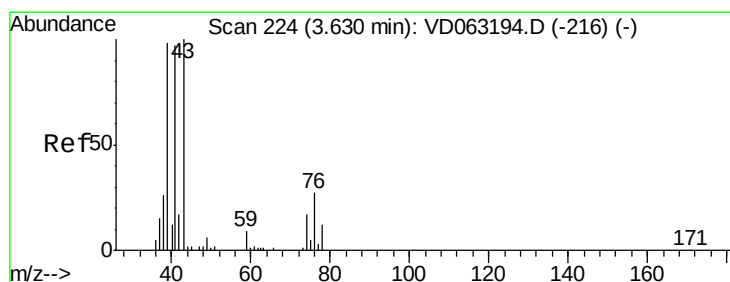
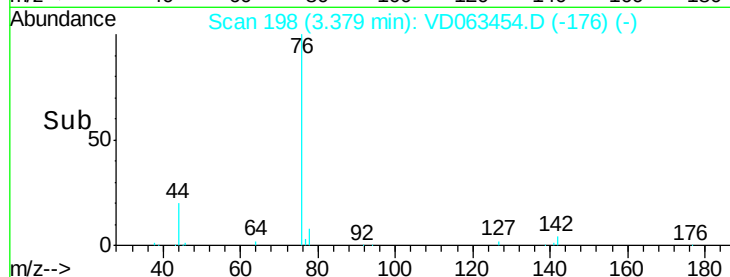
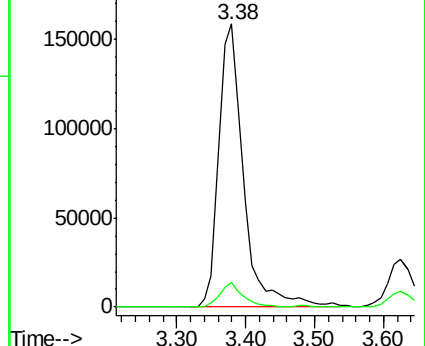
76 100

78 8.6 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 30.504 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD063454.D

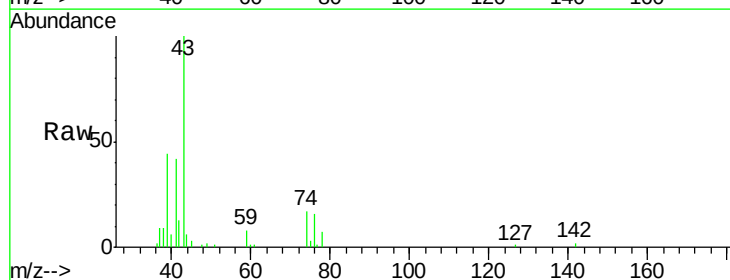
Acq: 9 Aug 2019 00:14

Tgt Ion: 43 Resp: 111505

Ion Ratio Lower Upper

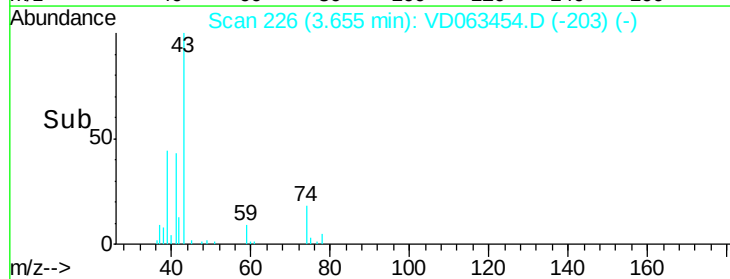
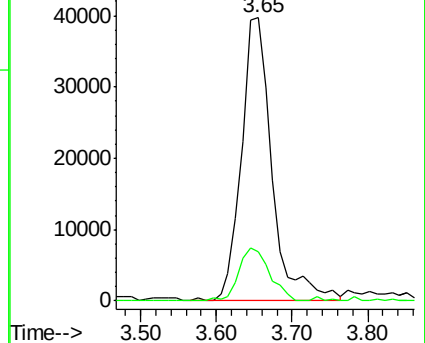
43 100

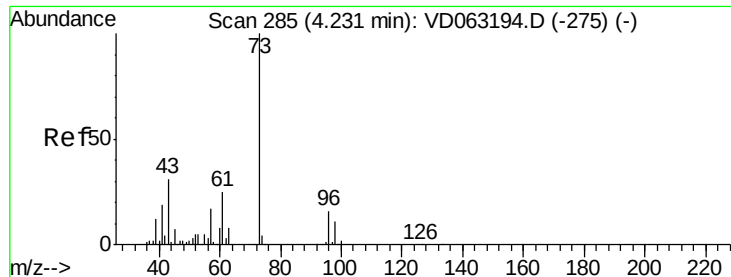
74 17.4 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

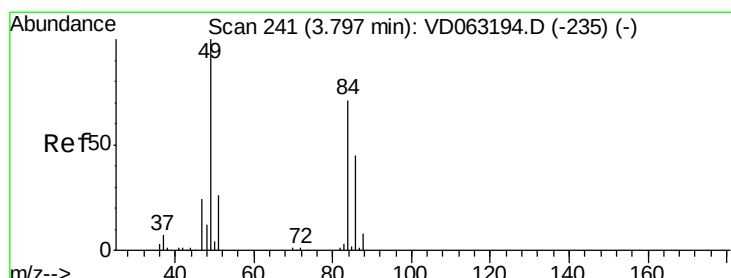
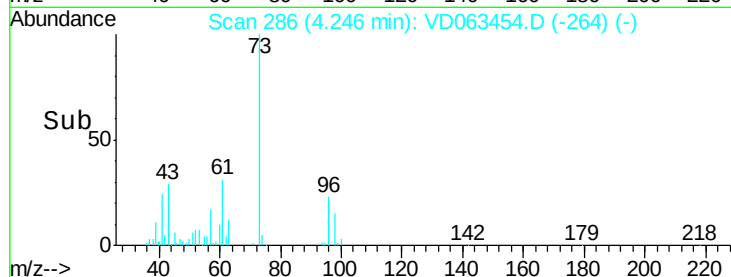
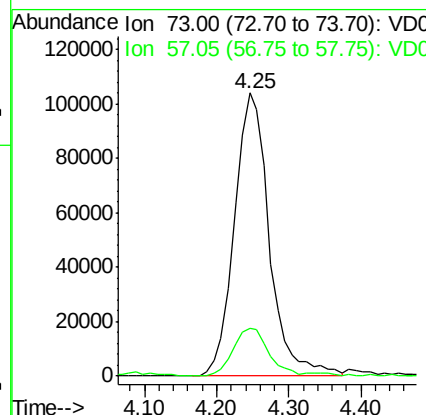
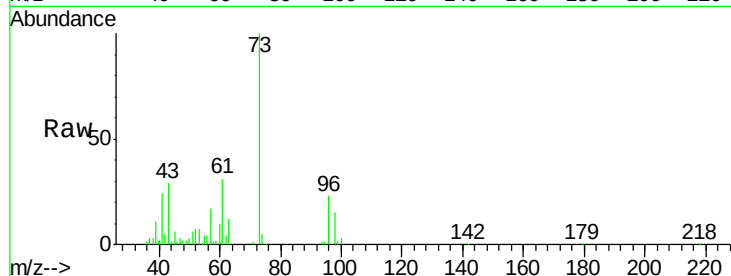




#19
Methyl tert-butyl Ether
Concen: 22.814 ug/l
RT: 4.25 min Scan# 286
Delta R.T. 0.02 min
Lab File: VD063454.D
Acq: 9 Aug 2019 00:14

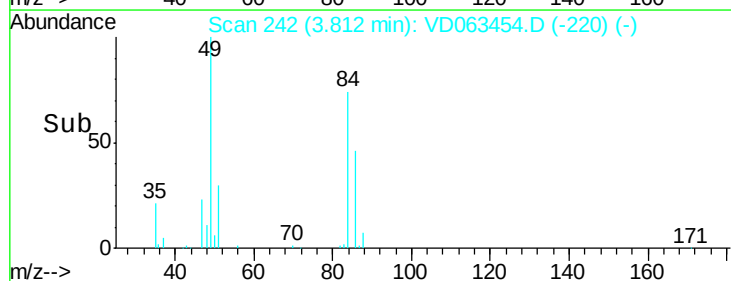
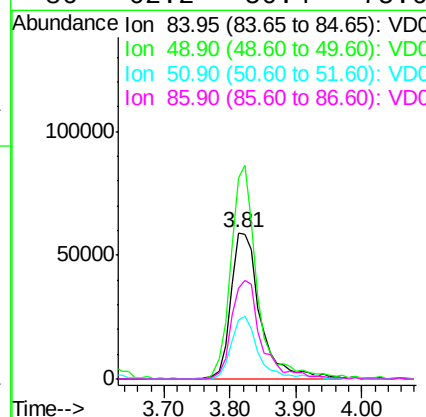
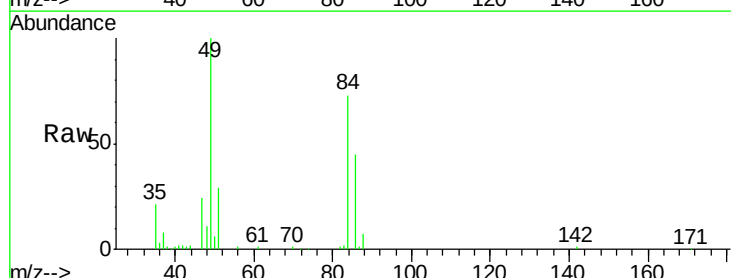
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS02

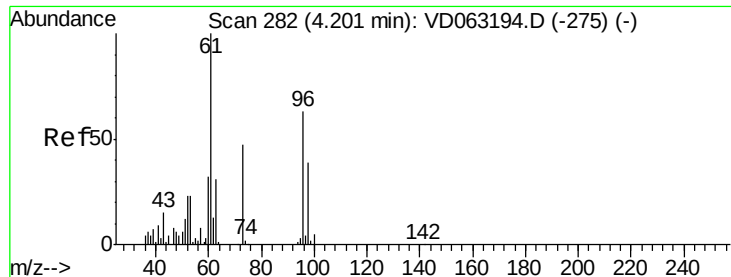
Tot Ion: 73 Resp: 351849
Ion Ratio Lower Upper
73 100
57 16.9 13.8 20.6



#20
Methylene Chloride
Concen: 24.046 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.02 min
Lab File: VD063454.D
Acq: 9 Aug 2019 00:14

Tgt Ion: 84 Resp: 184966
Ion Ratio Lower Upper
84 100
49 137.1 112.5 168.7
51 40.2 29.6 44.4
86 62.2 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 20.395 ug/l

RT: 4.23 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS02

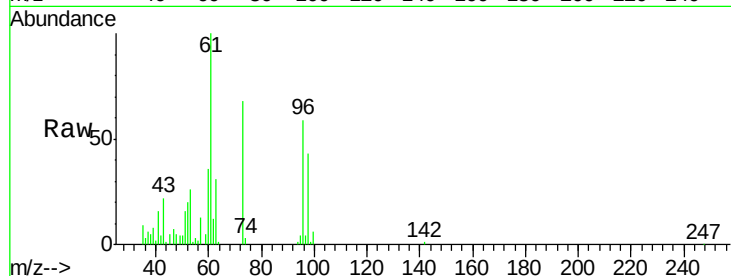
Tot Ion: 96 Resp: 156242

Ion Ratio Lower Upper

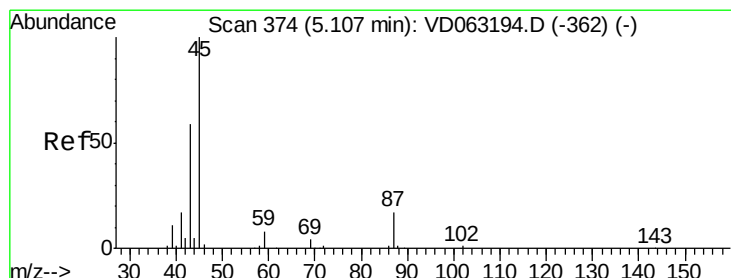
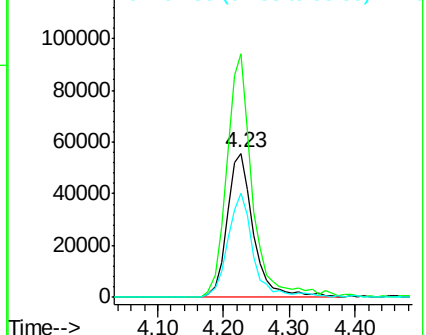
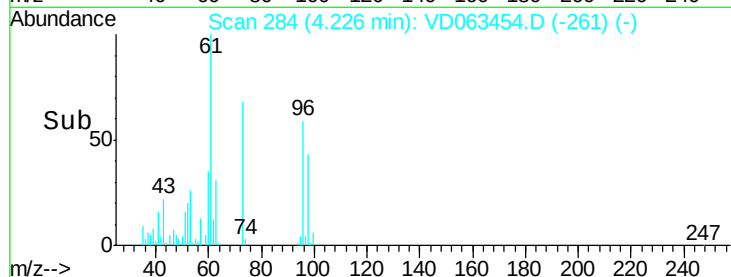
96 100

61 169.2 127.4 191.2

98 72.2 49.3 73.9



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



#22

Diisopropyl ether

Concen: 21.004 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

Tgt Ion: 45 Resp: 456409

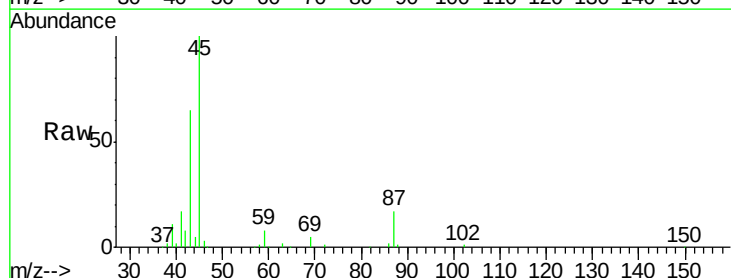
Ion Ratio Lower Upper

45 100

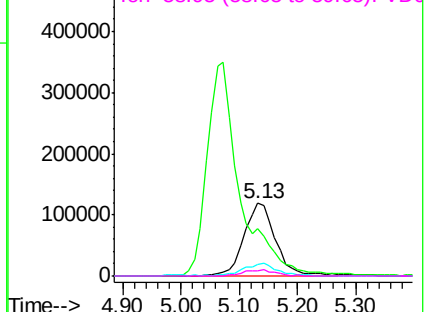
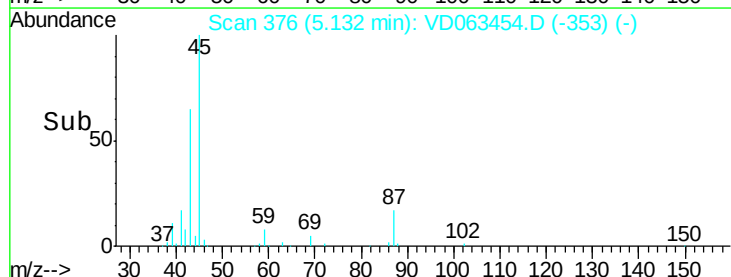
43 65.3 51.7 77.5

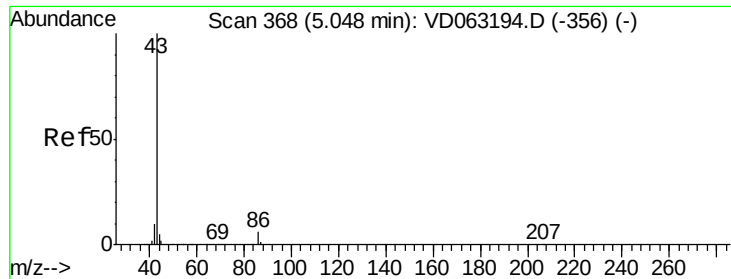
87 16.6 14.6 21.8

59 8.0 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: 101.636 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

Instrument :

MSVOA_D

ClientSampleId :

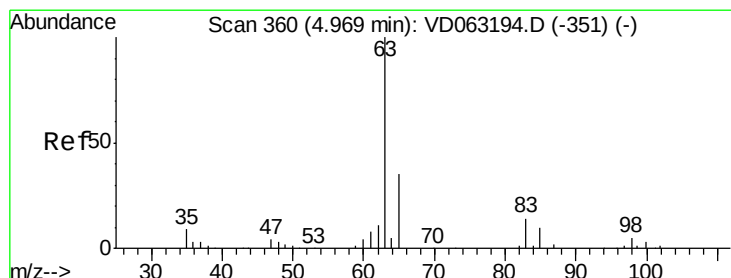
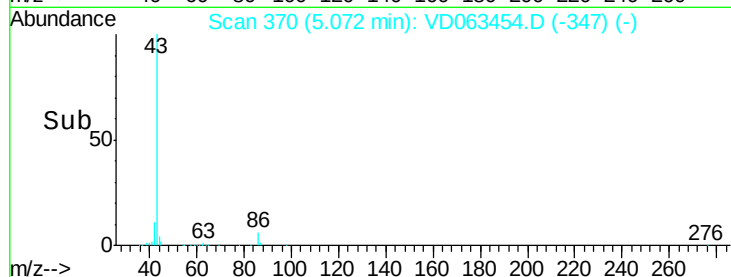
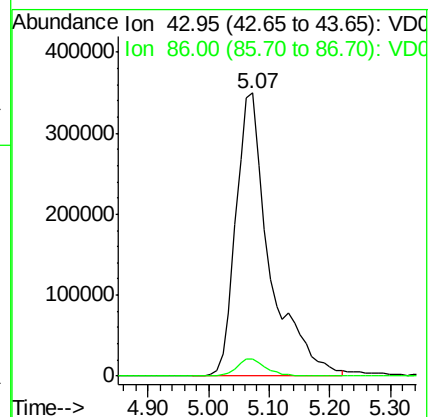
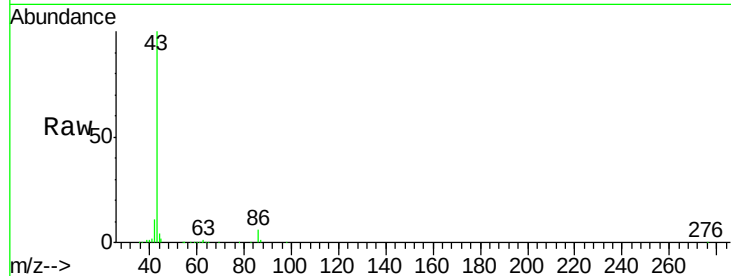
VD0808SBS02

Tot Ion: 43 Resp: 1357604

Ion Ratio Lower Upper

43 100

86 6.2 4.9 7.3



#24

1,1-Dichloroethane

Concen: 21.001 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

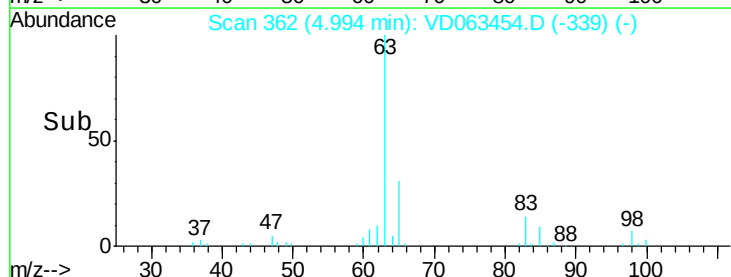
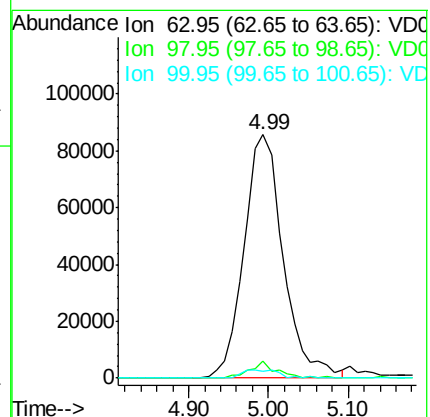
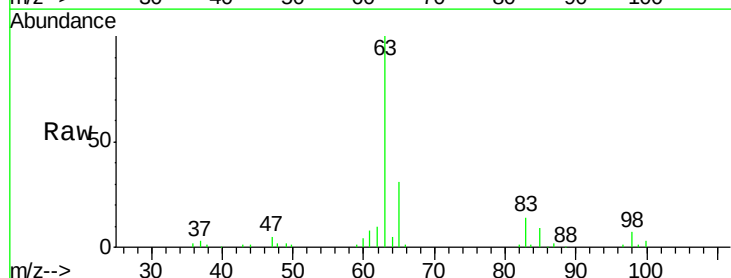
Tgt Ion: 63 Resp: 291496

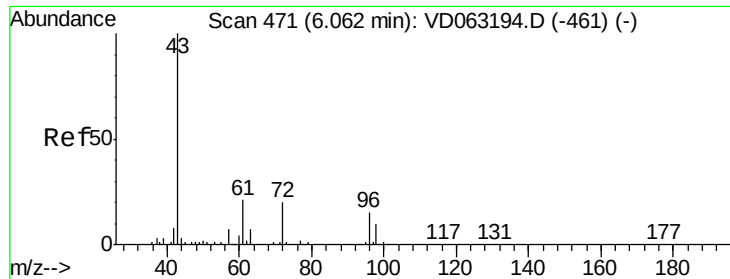
Ion Ratio Lower Upper

63 100

98 6.8 2.8 8.4

100 2.7 1.3 3.9





#25

2-Butanone

Concen: 107.212 ug/l

RT: 6.09 min Scan# 473

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

Instrument :

MSVOA_D

ClientSampleId :

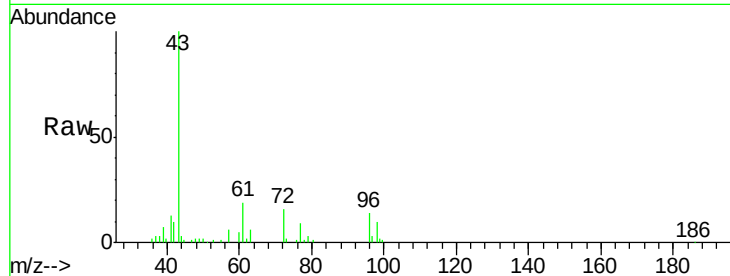
VD0808SBS02

Tot Ion: 43 Resp: 204758

Ion Ratio Lower Upper

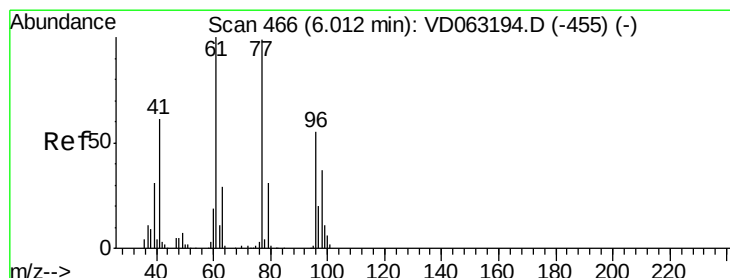
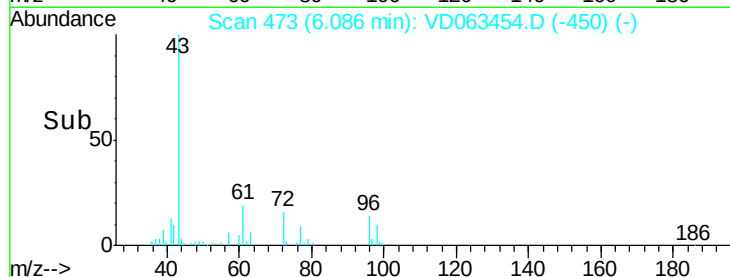
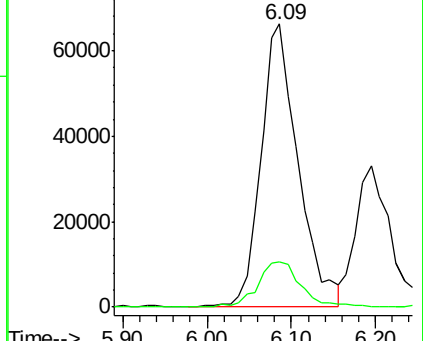
43 100

72 16.1 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: 18.097 ug/l

RT: 6.04 min Scan# 468

Delta R.T. 0.02 min

Lab File: VD063454.D

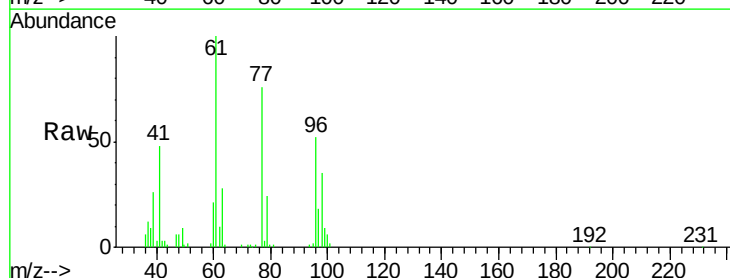
Acq: 9 Aug 2019 00:14

Tgt Ion: 77 Resp: 258863

Ion Ratio Lower Upper

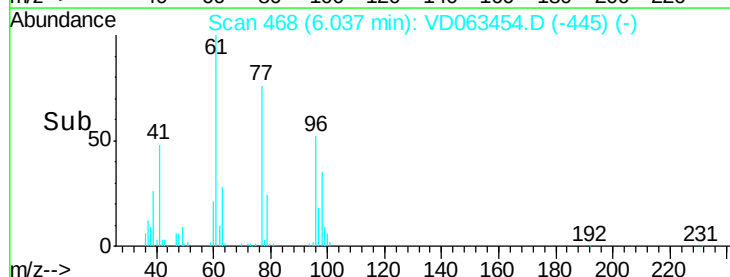
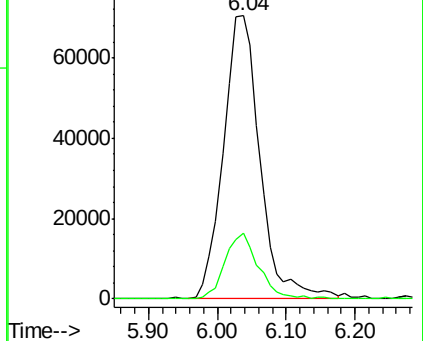
77 100

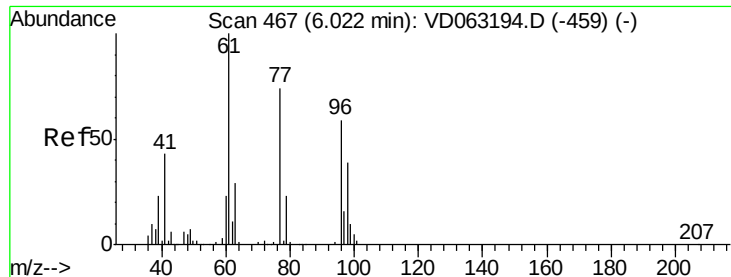
97 23.5 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



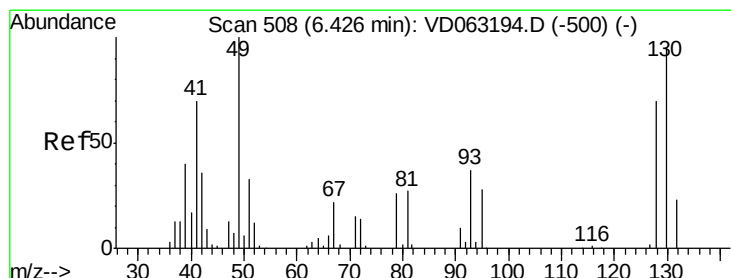
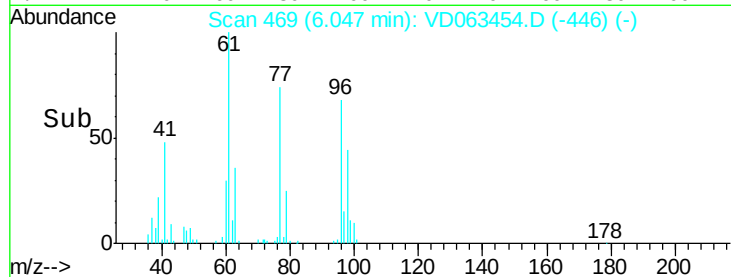
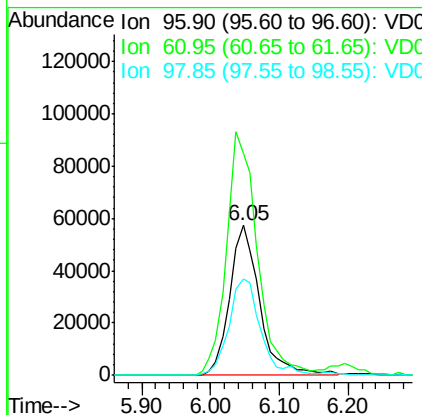
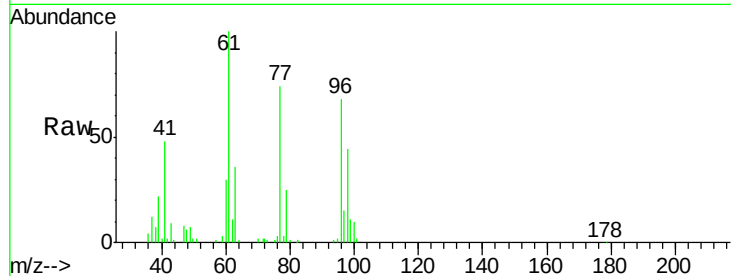


#27

cis-1,2-Dichloroethene
 Concen: 21.168 ug/l
 RT: 6.05 min Scan# 469
 Delta R.T. 0.02 min
 Lab File: VD063454.D
 Acq: 9 Aug 2019 00:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS02

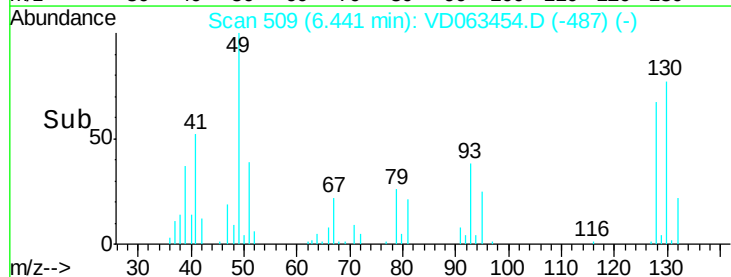
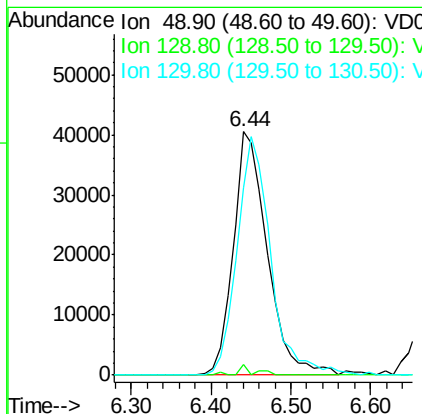
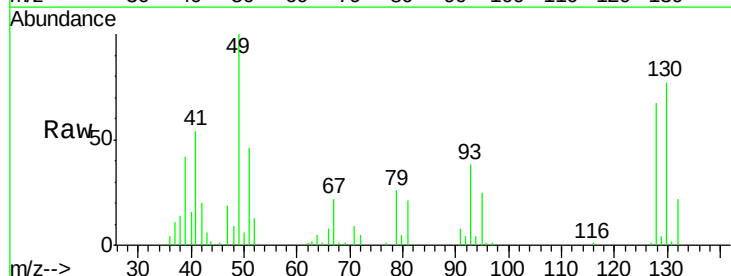
Tot Ion	96	Resp	173865
Ion	Ratio	Lower	Upper
96	100		
61	147.8	0.0	337.2
98	64.5	0.0	130.6

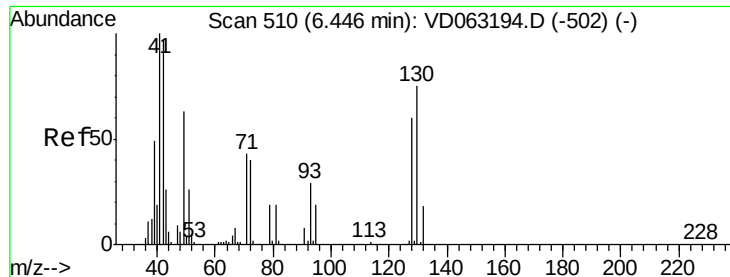


#28

Bromochloromethane
 Concen: 21.713 ug/l
 RT: 6.44 min Scan# 509
 Delta R.T. 0.02 min
 Lab File: VD063454.D
 Acq: 9 Aug 2019 00:14

Tgt Ion	49	Resp	120080
Ion	Ratio	Lower	Upper
49	100		
129	4.1	0.0	0.0#
130	77.1	75.7	113.5





#29

Tetrahydrofuran

Concen: 112.809 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS02

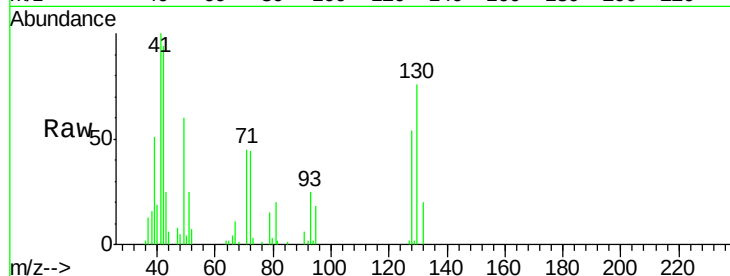
Tot Ion: 42 Resp: 102004

Ion Ratio Lower Upper

42 100

72 40.0 33.4 50.2

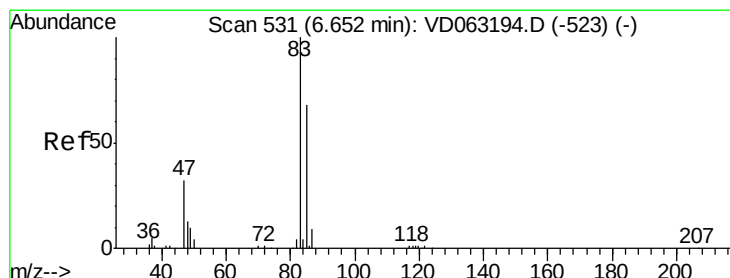
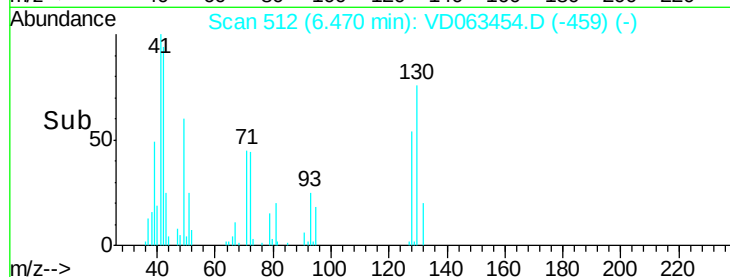
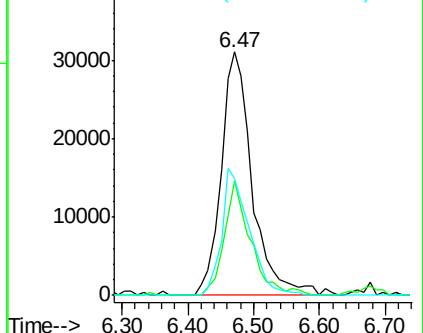
71 46.2 35.7 53.5



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: 20.898 ug/l

RT: 6.68 min Scan# 533

Delta R.T. 0.02 min

Lab File: VD063454.D

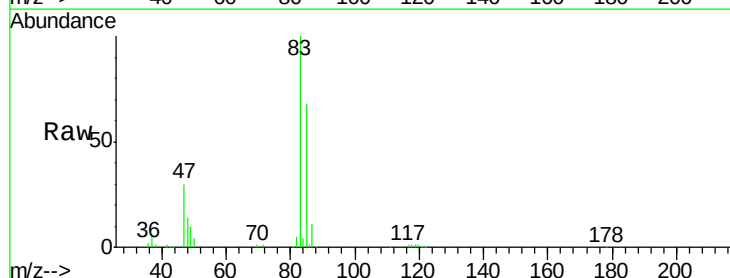
Acq: 9 Aug 2019 00:14

Tgt Ion: 83 Resp: 359972

Ion Ratio Lower Upper

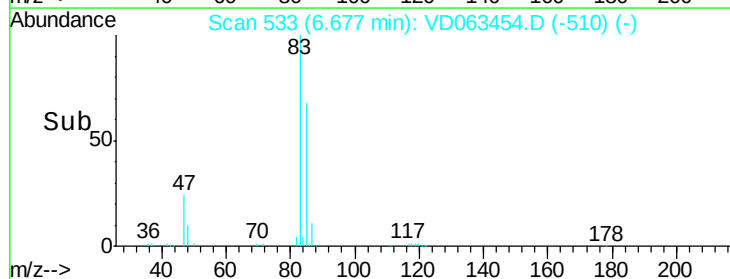
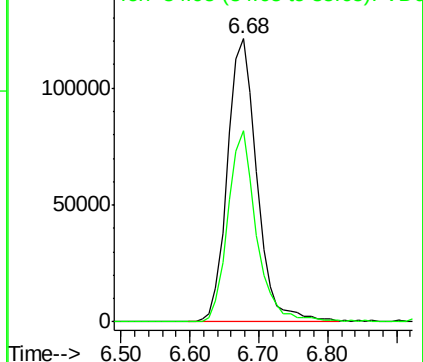
83 100

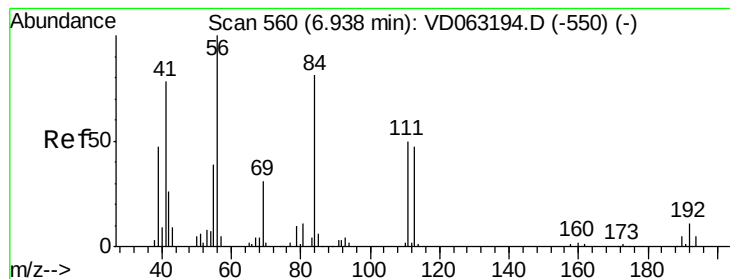
85 67.5 54.2 81.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 17.328 ug/l

RT: 6.96 min Scan# 562

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS02

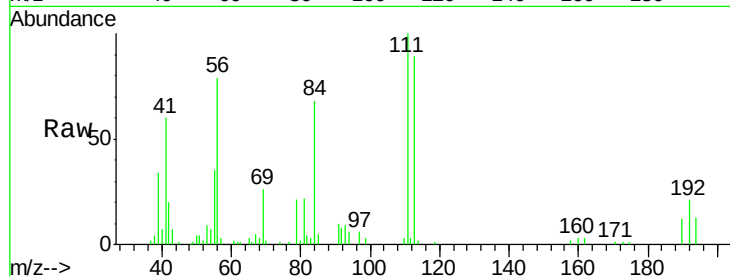
Tot Ion: 56 Resp: 150753

Ion Ratio Lower Upper

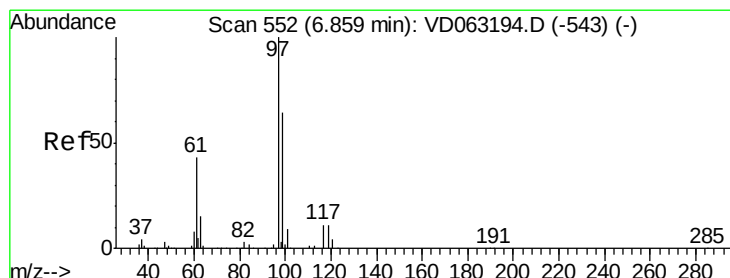
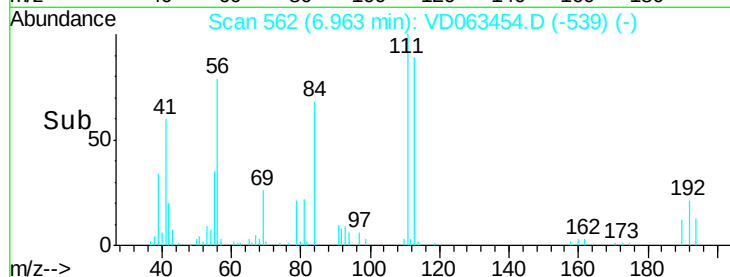
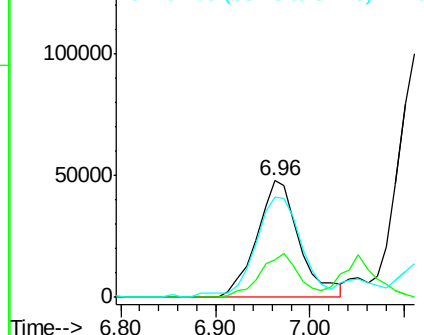
56 100

69 32.4 24.5 36.7

84 86.0 64.9 97.3



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 20.010 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

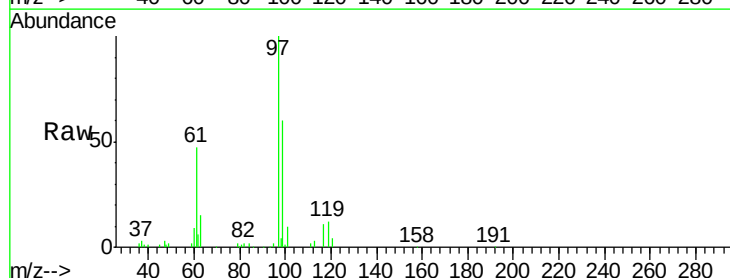
Tgt Ion: 97 Resp: 333404

Ion Ratio Lower Upper

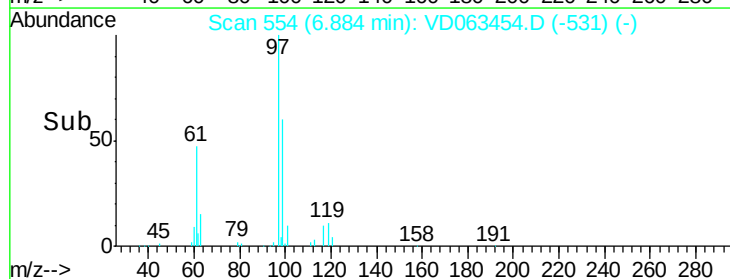
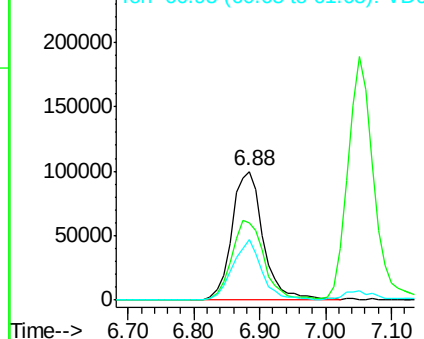
97 100

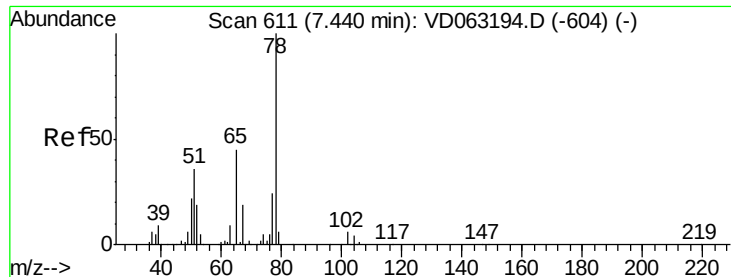
99 60.1 51.2 76.8

61 47.3 34.2 51.2



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

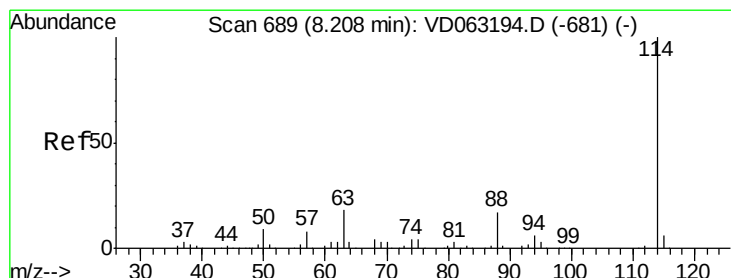
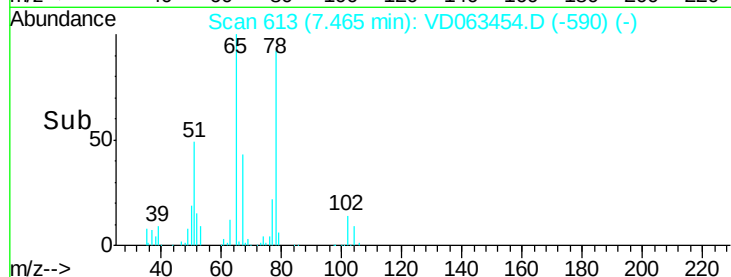
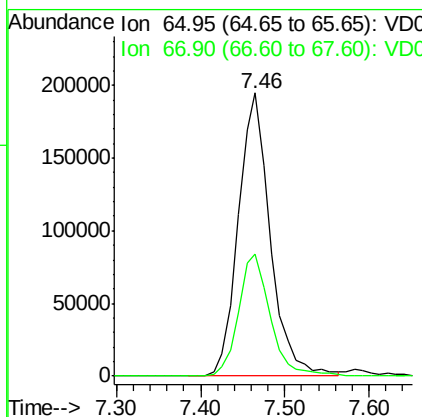
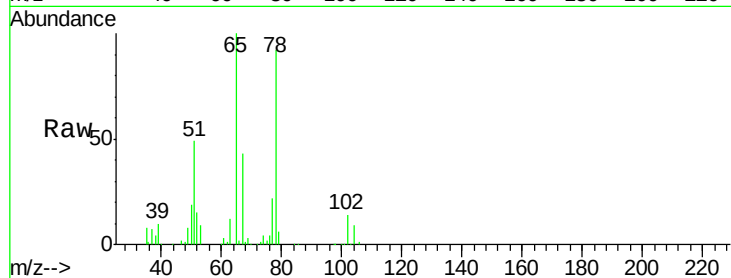




#33
 1,2-Dichloroethane-d4
 Concen: 52.679 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.02 min
 Lab File: VD063454.D
 Acq: 9 Aug 2019 00:14

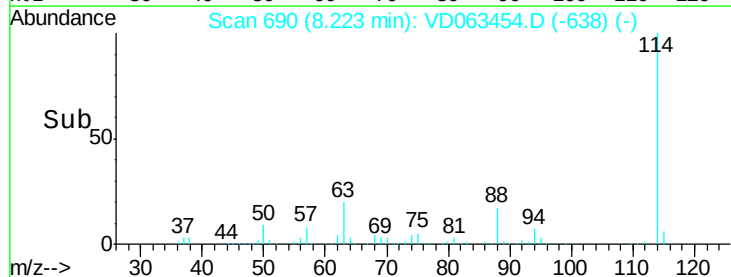
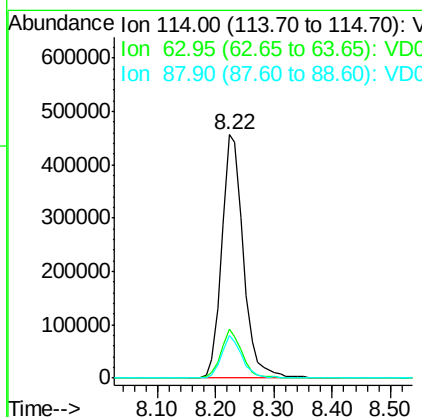
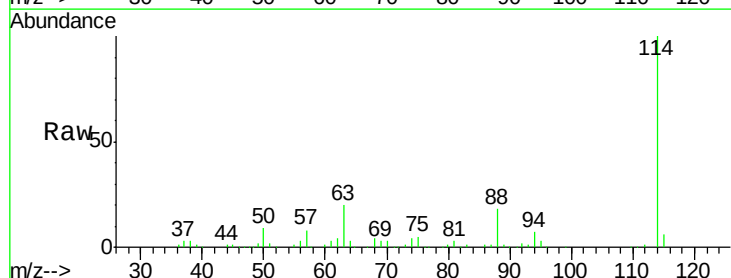
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS02

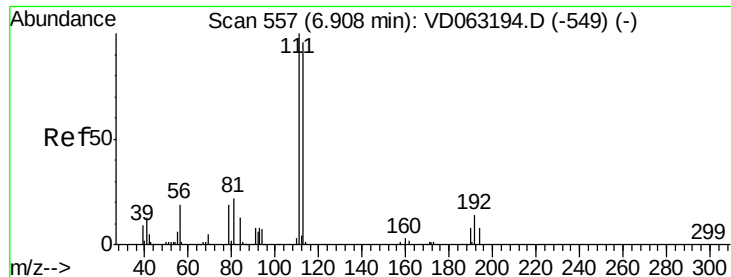
Tot Ion: 65 Resp: 514526
 Ion Ratio Lower Upper
 65 100
 67 43.1 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.02 min
 Lab File: VD063454.D
 Acq: 9 Aug 2019 00:14

Tgt Ion: 114 Resp: 1174160
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 35.2
 88 17.6 0.0 34.6





#35

Dibromofluoromethane

Concen: 54.567 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS02

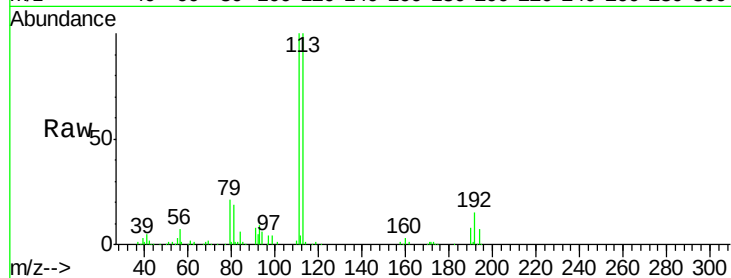
Tot Ion:113 Resp: 547022

Ion Ratio Lower Upper

113 100

111 100.0 83.2 124.8

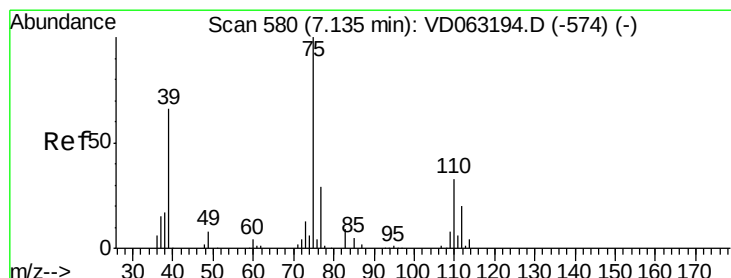
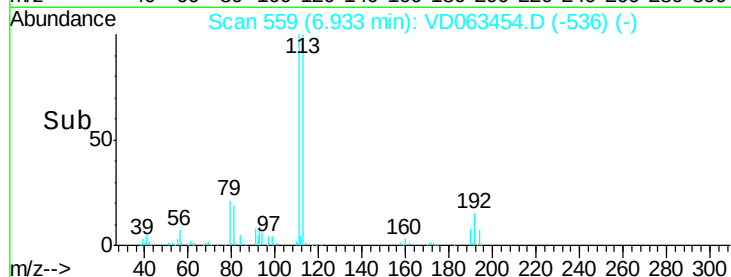
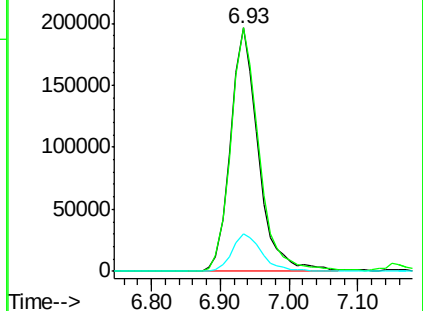
192 15.2 11.8 17.8



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 20.842 ug/l

RT: 7.16 min Scan# 582

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

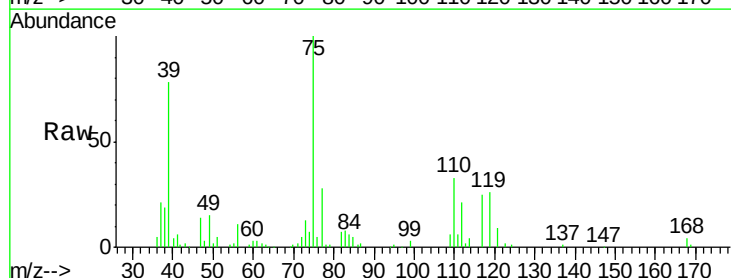
Tgt Ion: 75 Resp: 223335

Ion Ratio Lower Upper

75 100

110 33.5 16.1 48.2

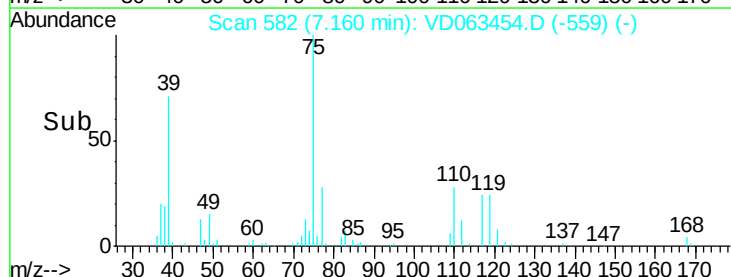
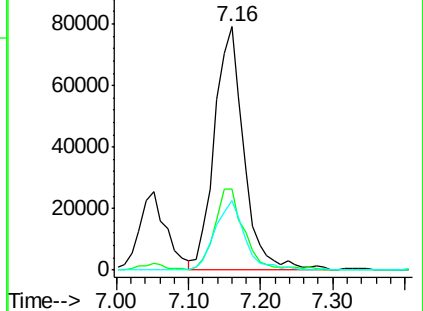
77 28.4 22.7 34.1

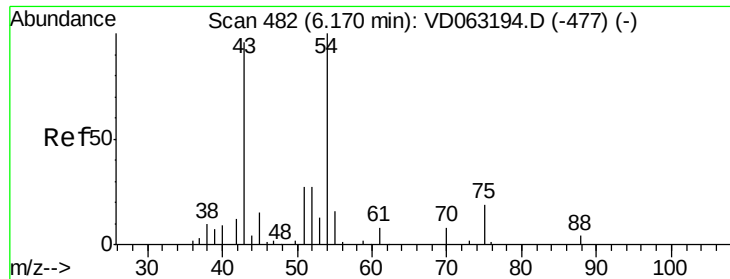


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

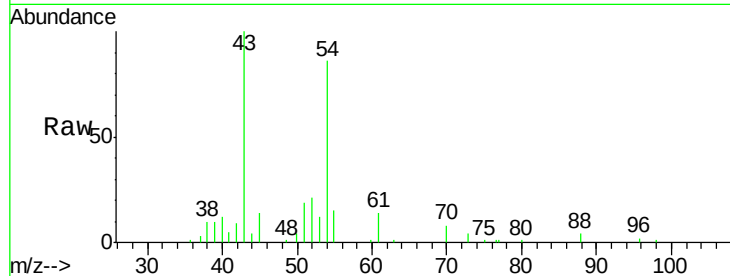




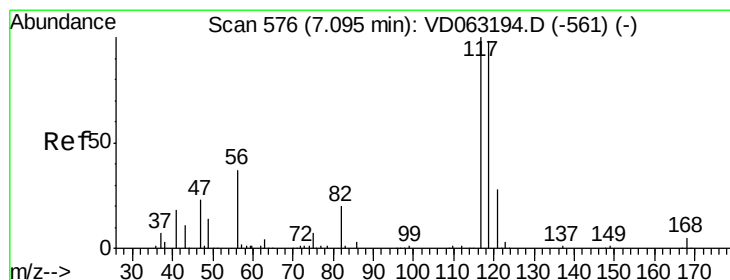
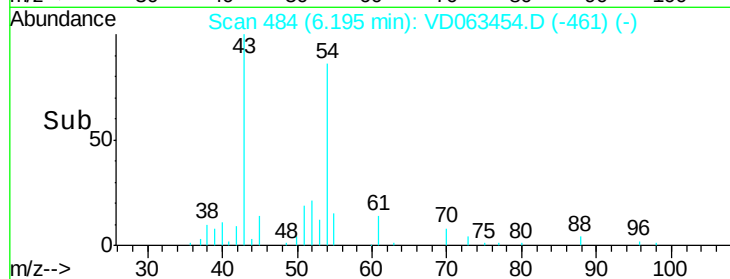
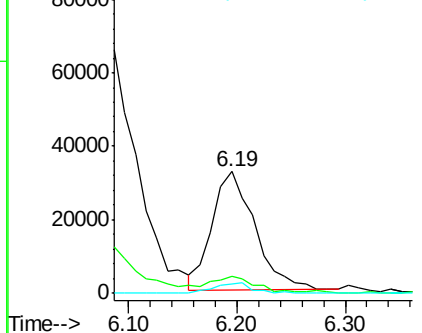
#37
Ethyl Acetate
Concen: 18.513 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.02 min
Lab File: VD063454.D
Acq: 9 Aug 2019 00:14

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS02

Tot Ion: 43 Resp: 89122
Ion Ratio Lower Upper
43 100
61 14.2 11.3 16.9
70 8.0 5.1 7.7#

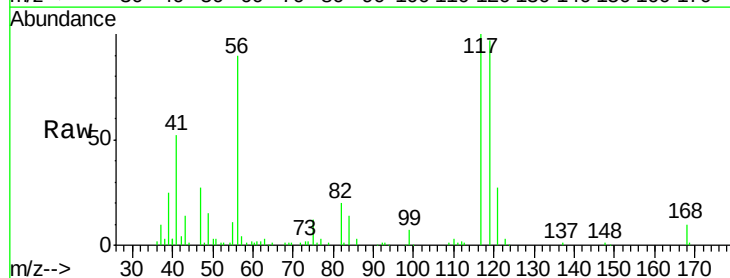


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

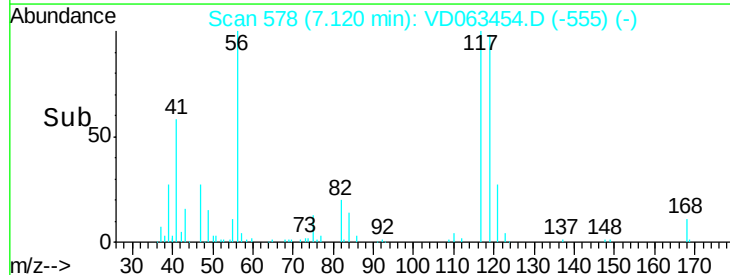
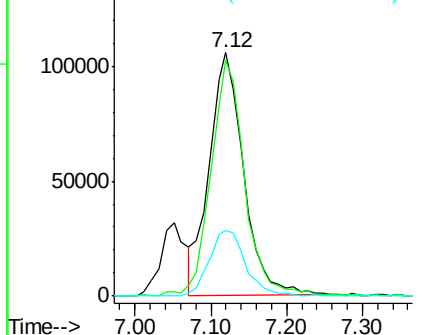


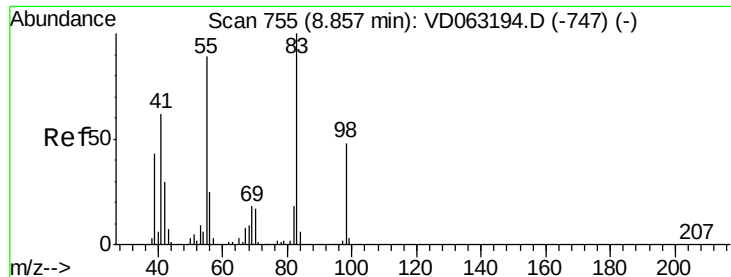
#38
Carbon Tetrachloride
Concen: 20.724 ug/l
RT: 7.12 min Scan# 578
Delta R.T. 0.02 min
Lab File: VD063454.D
Acq: 9 Aug 2019 00:14

Tgt Ion: 117 Resp: 334317
Ion Ratio Lower Upper
117 100
119 97.0 78.2 117.2
121 27.1 22.1 33.1



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

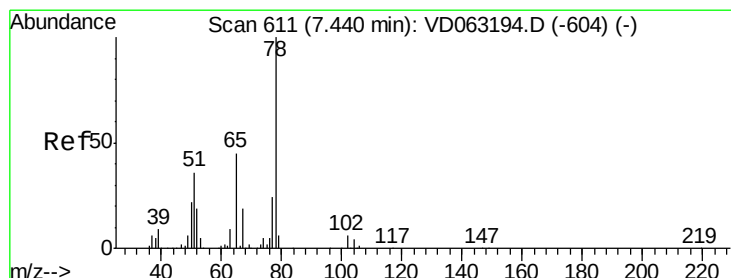
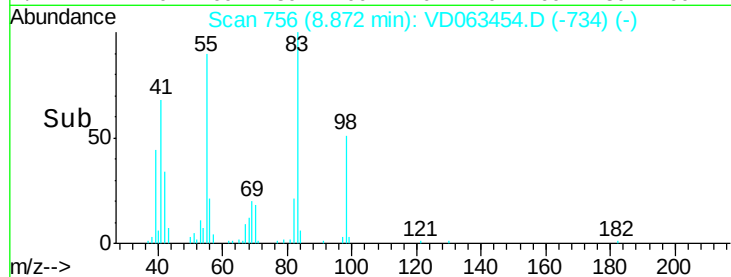
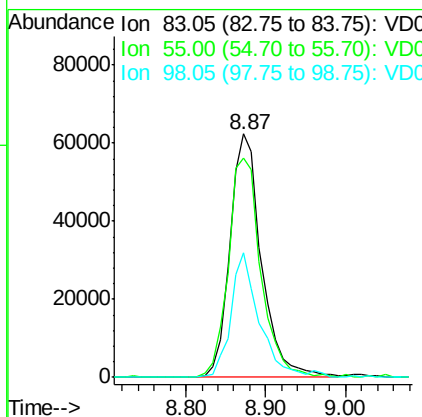
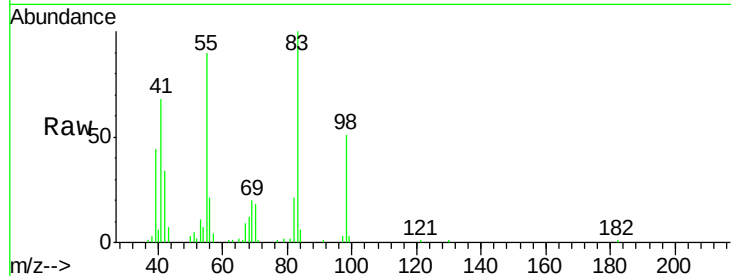




#39
Methylvlcyclohexane
Concen: 19.263 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.02 min
Lab File: VD063454.D
Acq: 9 Aug 2019 00:14

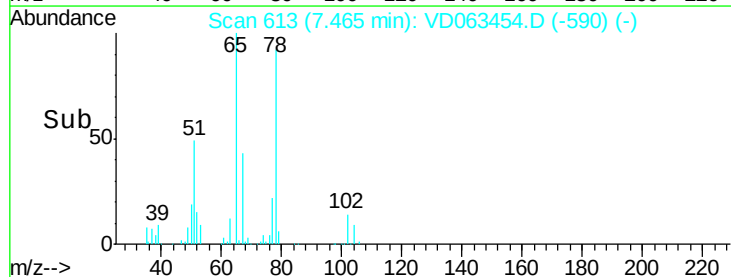
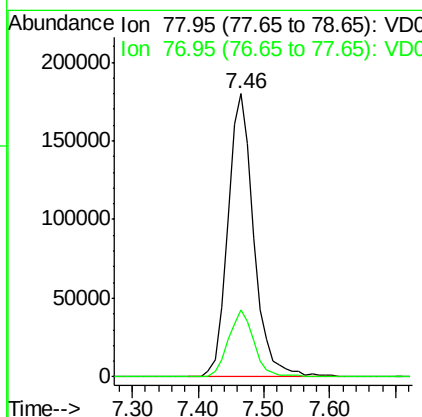
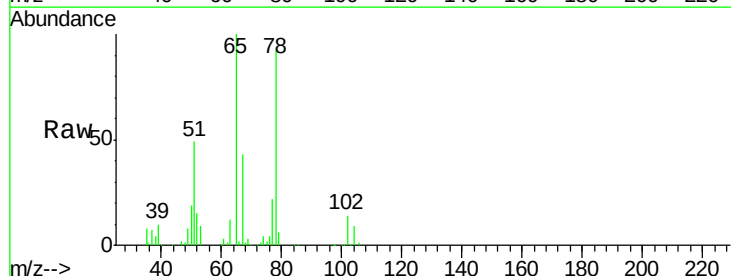
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS02

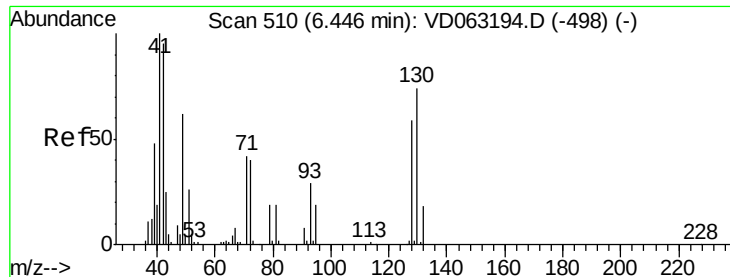
Tot Ion: 83 Resp: 171978
Ion Ratio Lower Upper
83 100
55 90.1 71.1 106.7
98 51.1 38.5 57.7



#40
Benzene
Concen: 22.116 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.02 min
Lab File: VD063454.D
Acq: 9 Aug 2019 00:14

Tgt Ion: 78 Resp: 496675
Ion Ratio Lower Upper
78 100
77 23.9 19.4 29.2





#41

Methacrylonitrile

Concen: 23.928 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS02

Tot Ion: 41 Resp: 137791

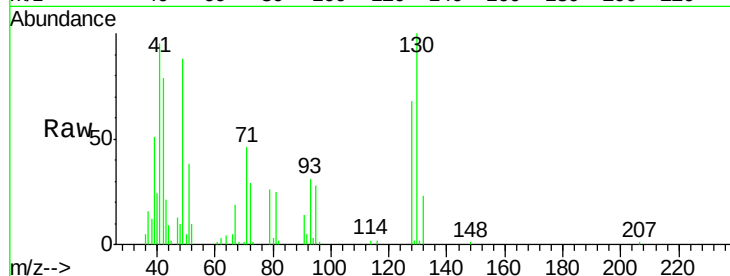
Ion Ratio Lower Upper

41 100

39 53.7 38.4 57.6

67 20.1 6.7 10.1#

52 10.2 4.3 6.5#

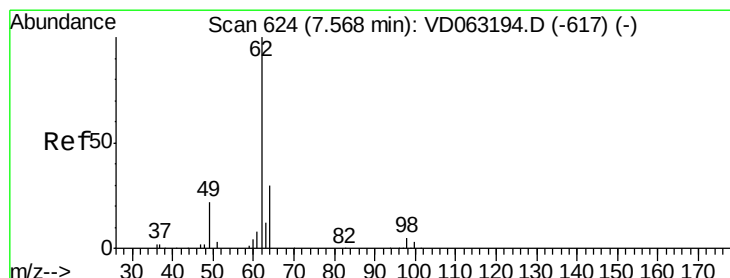
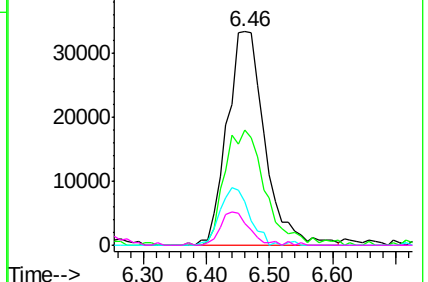
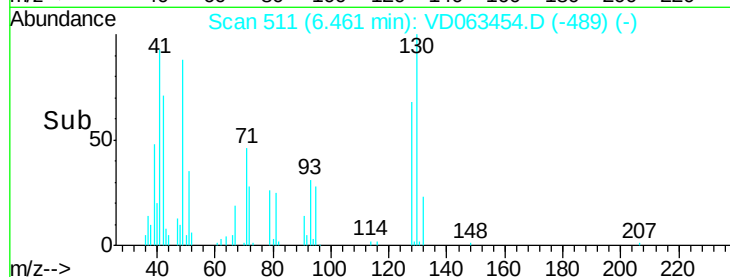


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.401 ug/l

RT: 7.58 min Scan# 625

Delta R.T. 0.02 min

Lab File: VD063454.D

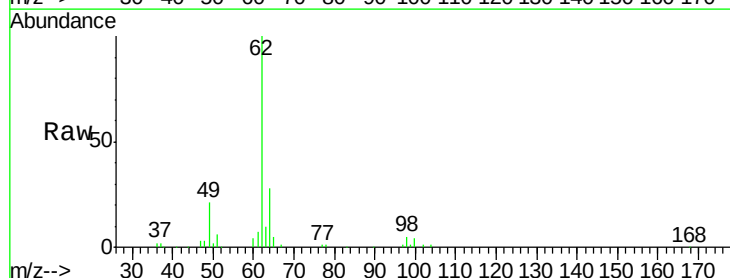
Acq: 9 Aug 2019 00:14

Tgt Ion: 62 Resp: 266623

Ion Ratio Lower Upper

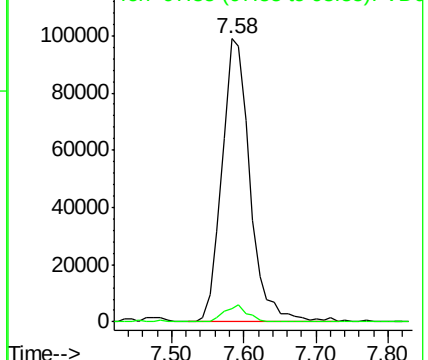
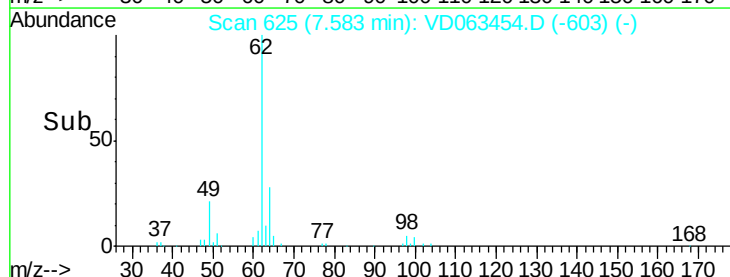
62 100

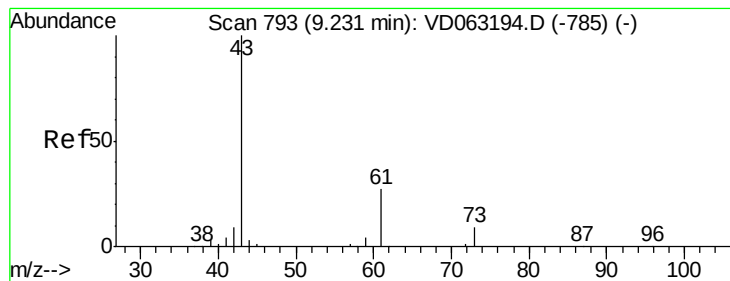
98 4.8 0.0 9.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 22.626 ug/l

RT: 9.25 min Scan# 794

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS02

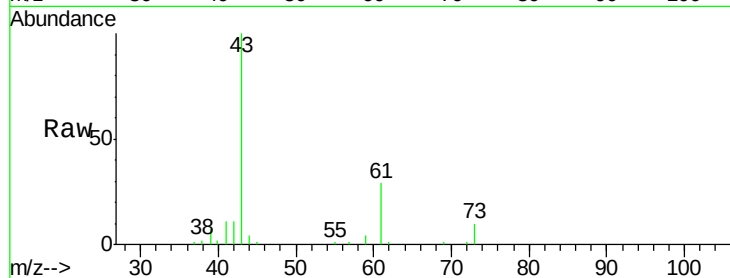
Tot Ion: 43 Resp: 139141

Ion Ratio Lower Upper

43 100

61 29.3 21.4 32.0

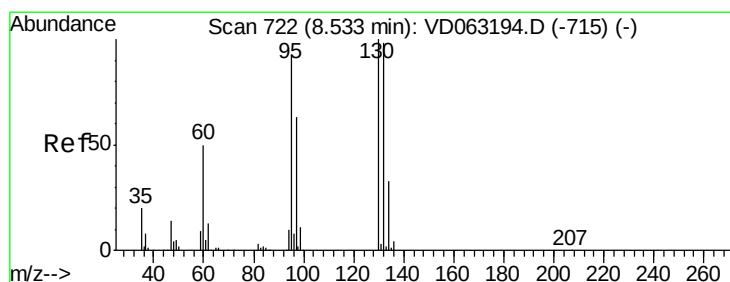
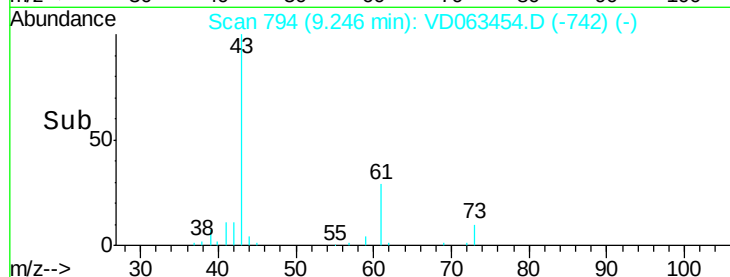
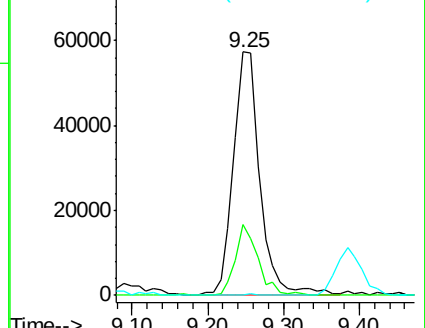
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.958 ug/l

RT: 8.55 min Scan# 723

Delta R.T. 0.02 min

Lab File: VD063454.D

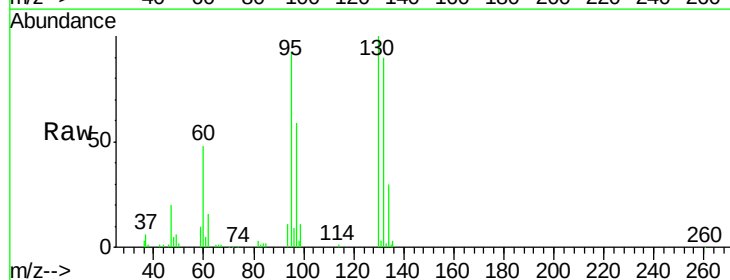
Acq: 9 Aug 2019 00:14

Tgt Ion:130 Resp: 190721

Ion Ratio Lower Upper

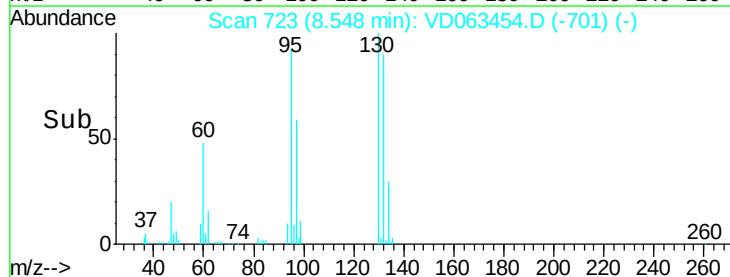
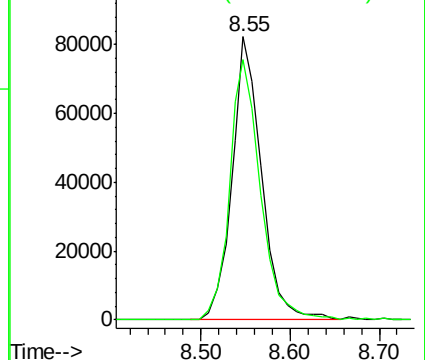
130 100

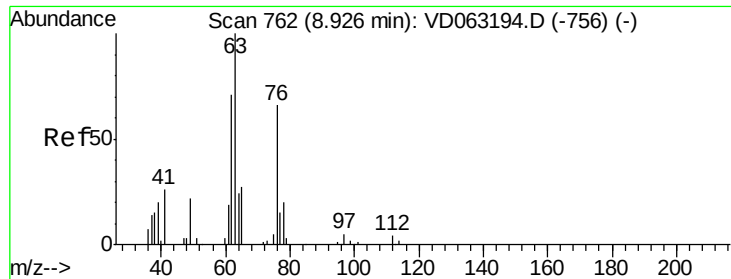
95 91.9 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.230 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

Instrument :

MSVOA_D

ClientSampleId :

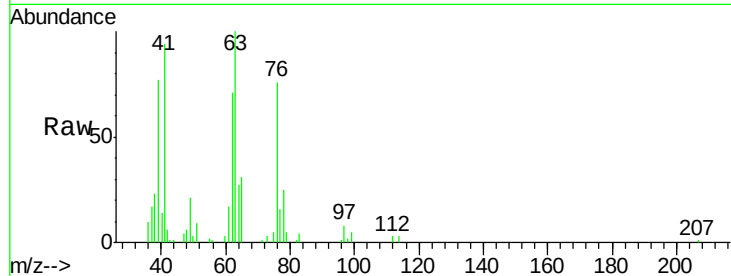
VD0808SBS02

Tot Ion: 63 Resp: 126896

Ion Ratio Lower Upper

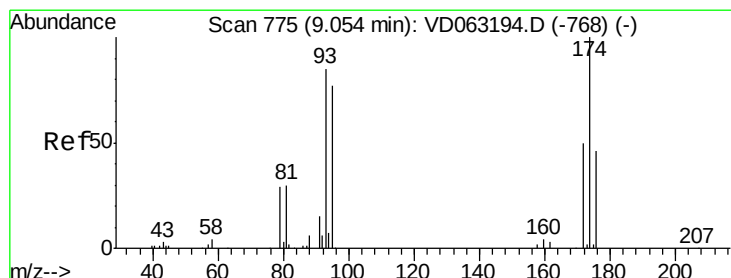
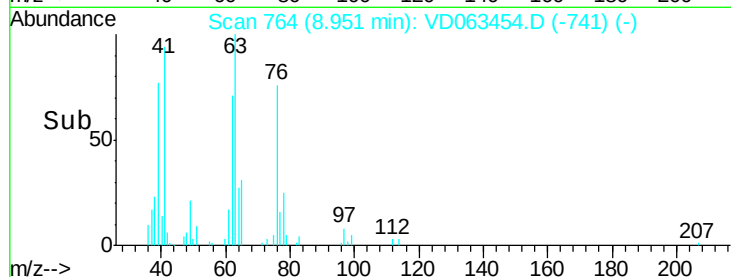
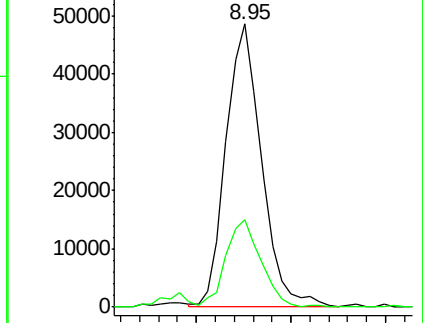
63 100

65 30.7 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 24.417 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

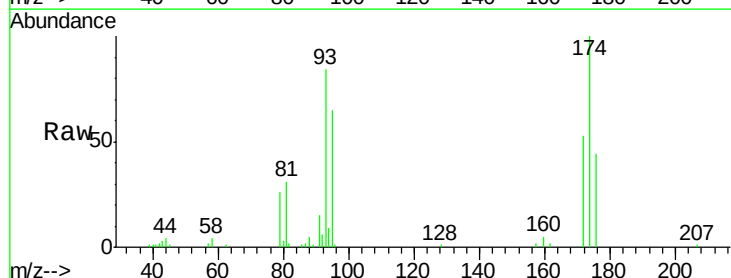
Tgt Ion: 93 Resp: 115892

Ion Ratio Lower Upper

93 100

95 77.5 72.8 109.2

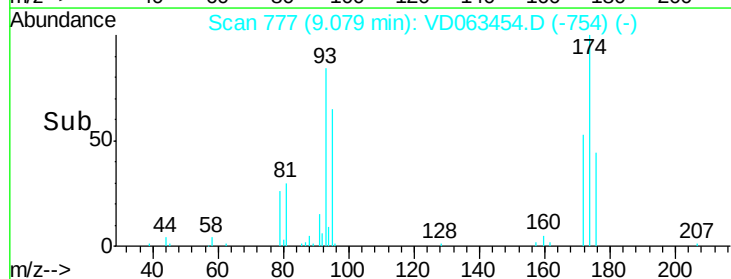
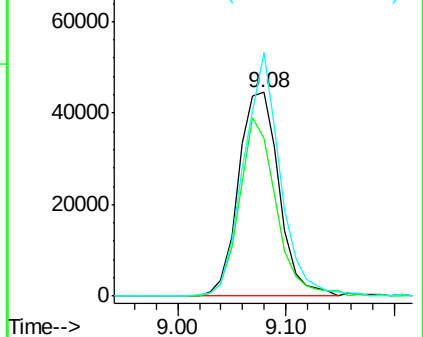
174 119.7 94.4 141.6

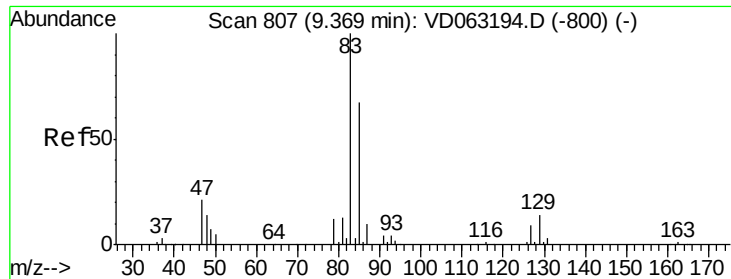


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.338 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS02

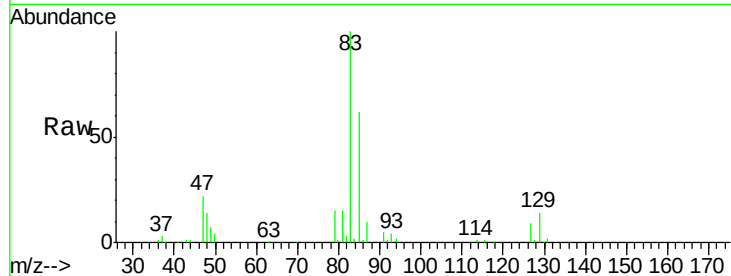
Tot Ion: 83 Resp: 270268

Ion Ratio Lower Upper

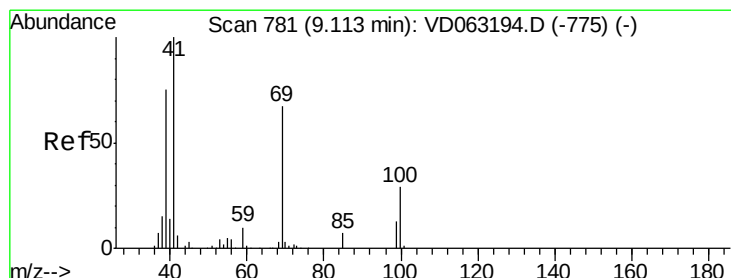
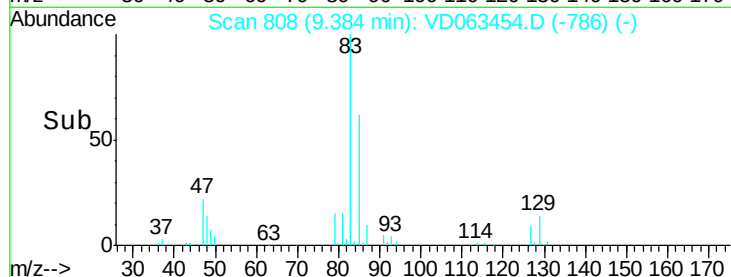
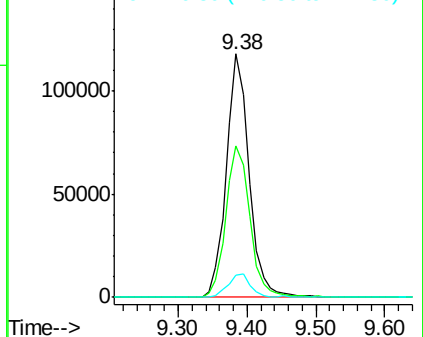
83 100

85 62.3 53.6 80.4

127 9.0 7.2 10.8



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



#48

Methyl methacrylate

Concen: 24.500 ug/l

RT: 9.13 min Scan# 782

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

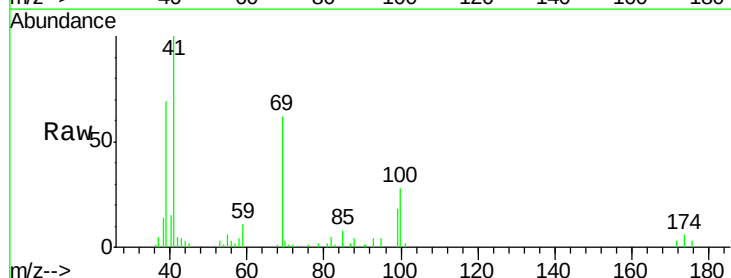
Tgt Ion: 41 Resp: 97715

Ion Ratio Lower Upper

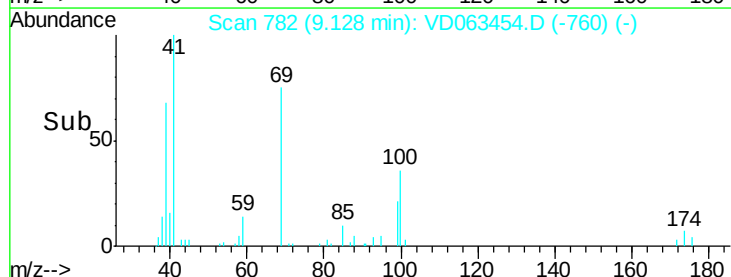
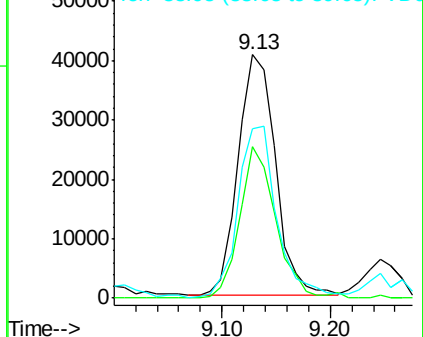
41 100

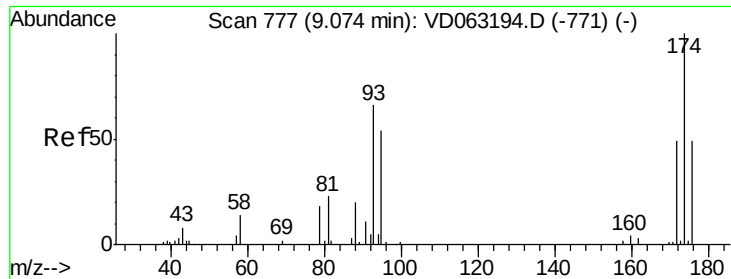
69 62.3 53.4 80.0

39 69.5 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

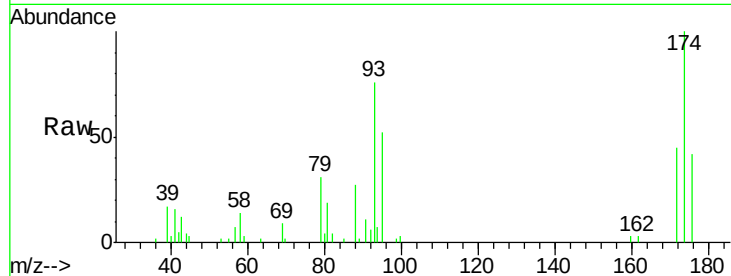




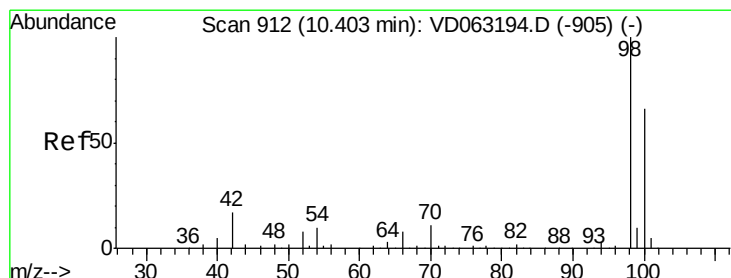
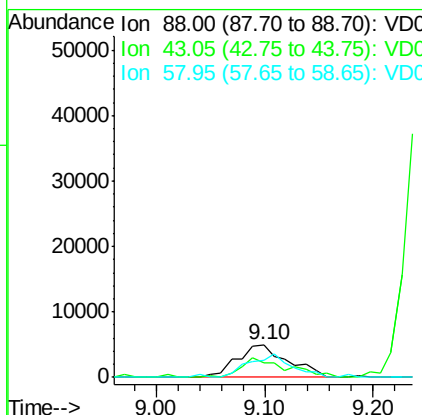
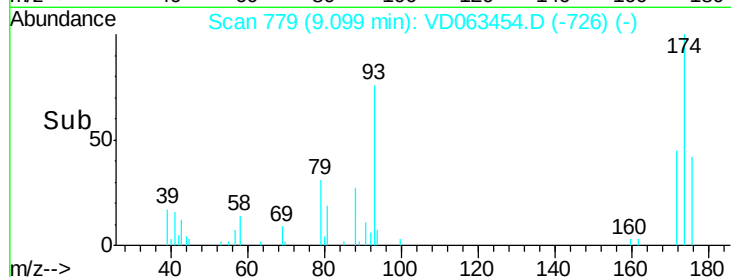
#49
1,4-Dioxane
Concen: 471.781 ug/l
RT: 9.10 min Scan# 779
Delta R.T. 0.03 min
Lab File: VD063454.D
Acq: 9 Aug 2019 00:14

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS02

Tot Ion: 88 Resp: 16013
Ion Ratio Lower Upper
88 100
43 45.7 30.7 46.1
58 52.3 56.5 84.7#

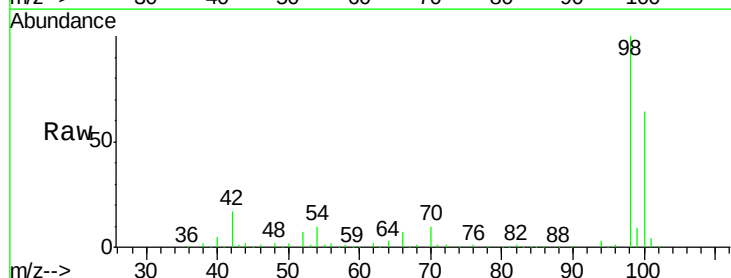


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

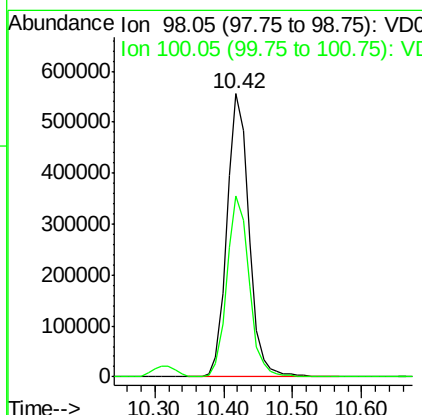
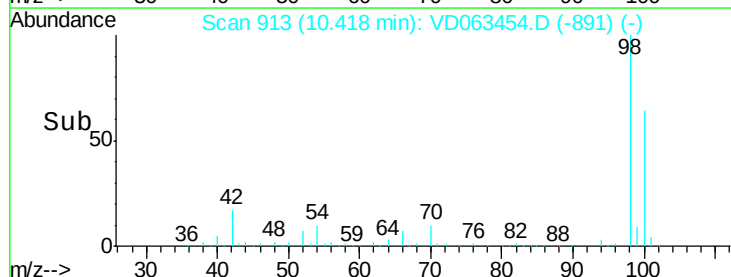


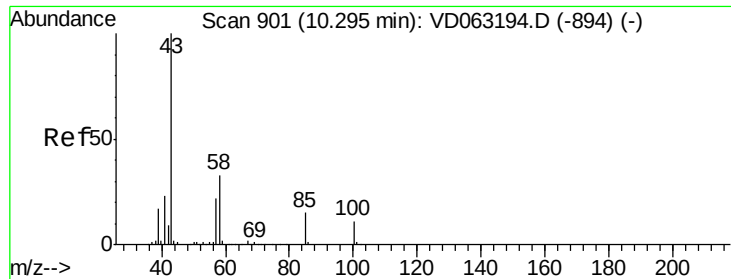
#50
Toluene-d8
Concen: 54.933 ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.02 min
Lab File: VD063454.D
Acq: 9 Aug 2019 00:14

Tgt Ion: 98 Resp: 1232459
Ion Ratio Lower Upper
98 100
100 64.0 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

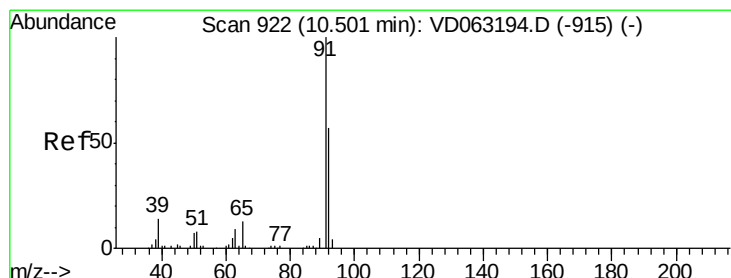
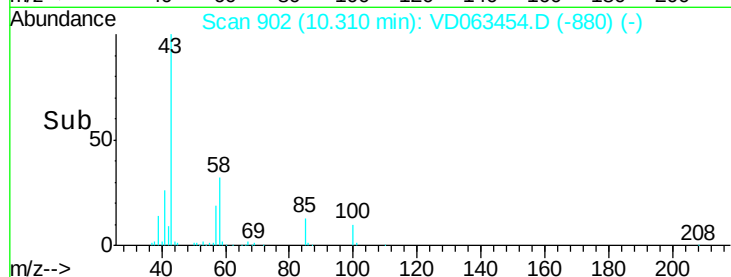
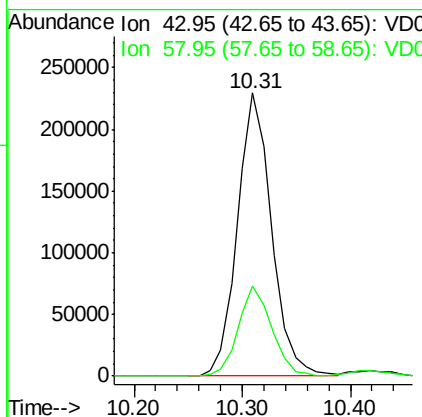
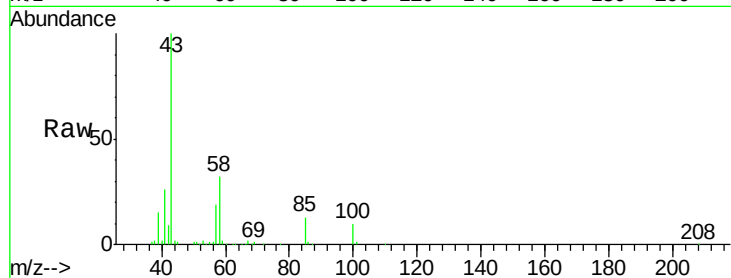




#51
 4-Methyl-2-Pentanone
 Concen: 120.295 ug/l
 RT: 10.31 min Scan# 902
 Delta R.T. 0.02 min
 Lab File: VD063454.D
 Acq: 9 Aug 2019 00:14

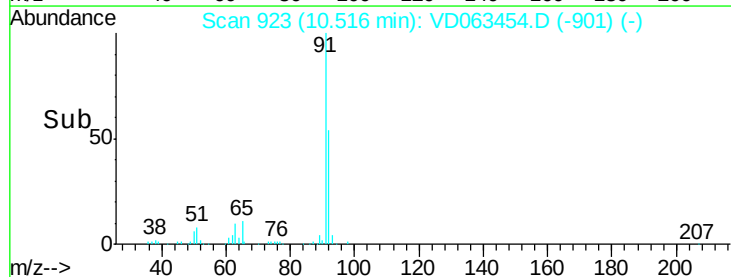
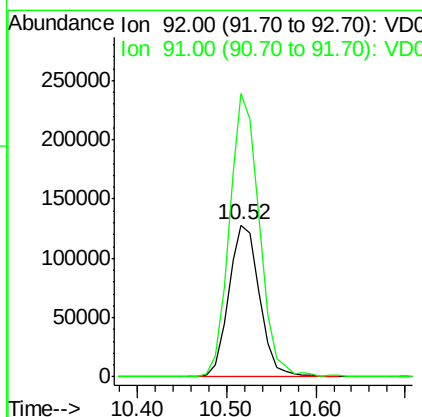
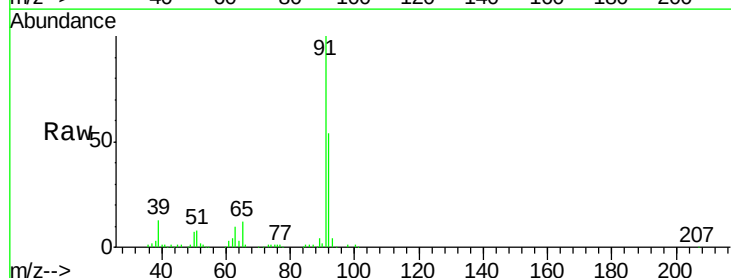
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS02

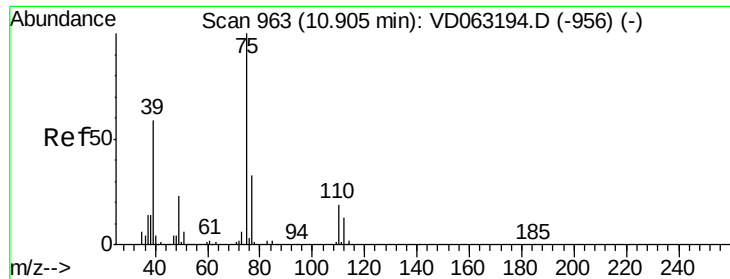
Tot Ion: 43 Resp: 503100
 Ion Ratio Lower Upper
 43 100
 58 31.8 26.2 39.2



#52
 Toluene
 Concen: 20.759 ug/l
 RT: 10.52 min Scan# 923
 Delta R.T. 0.02 min
 Lab File: VD063454.D
 Acq: 9 Aug 2019 00:14

Tgt Ion: 92 Resp: 310072
 Ion Ratio Lower Upper
 92 100
 91 186.0 140.8 211.2

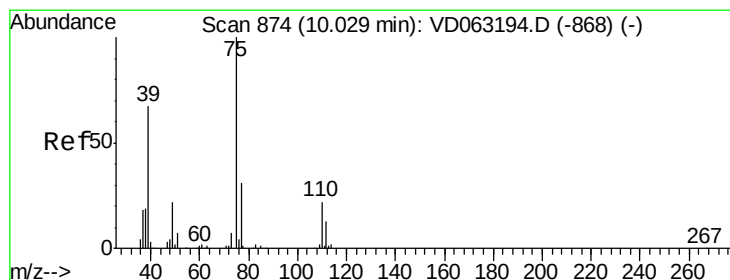
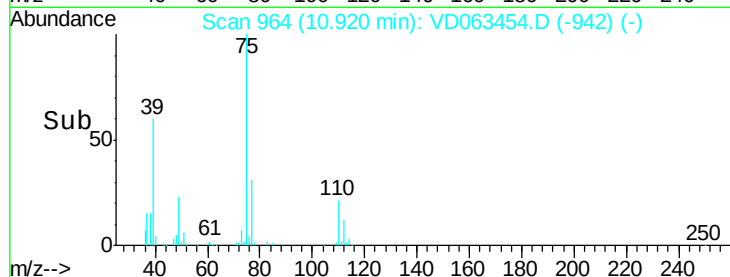
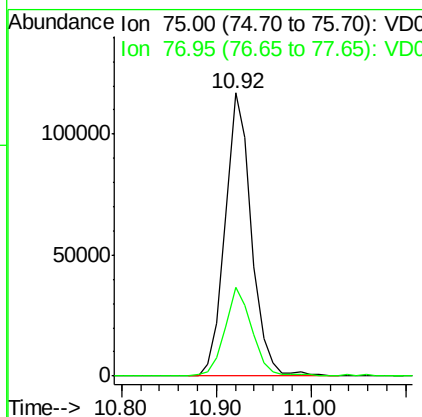
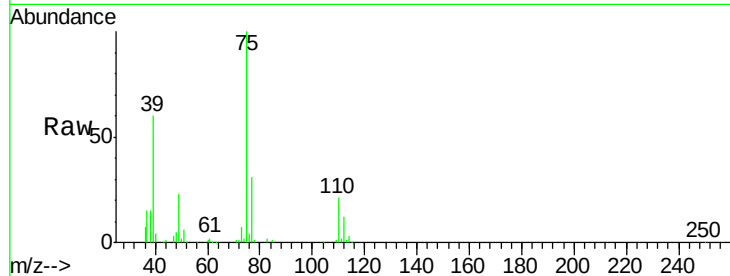




#53
 t-1,3-Dichloropropene
 Concen: 21.557 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. 0.02 min
 Lab File: VD063454.D
 Acq: 9 Aug 2019 00:14

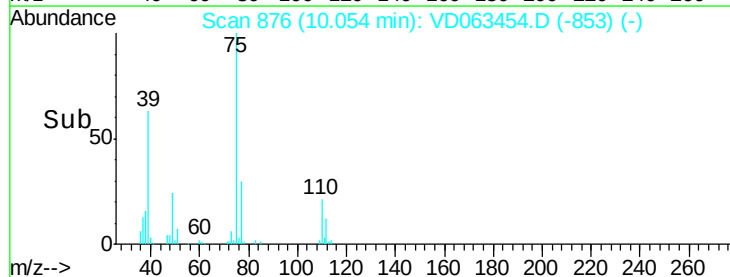
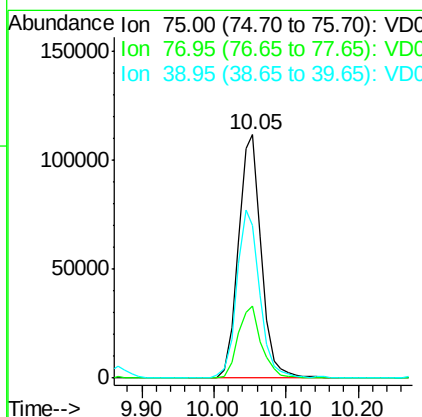
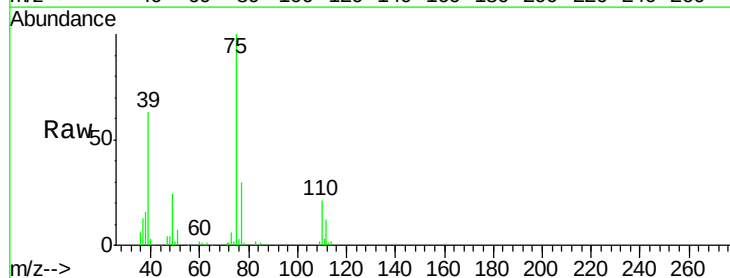
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS02

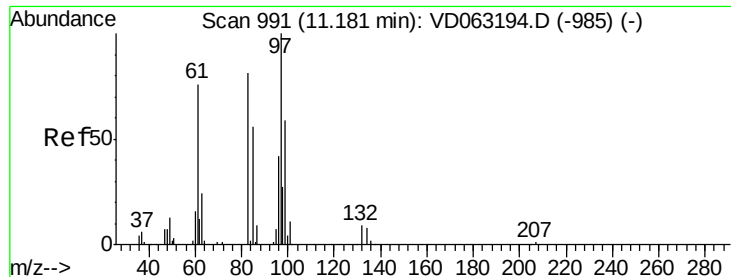
Tot Ion: 75 Resp: 224854
 Ion Ratio Lower Upper
 75 100
 77 31.3 26.6 40.0



#54
 cis-1,3-Dichloropropene
 Concen: 22.438 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.02 min
 Lab File: VD063454.D
 Acq: 9 Aug 2019 00:14

Tgt Ion: 75 Resp: 245977
 Ion Ratio Lower Upper
 75 100
 77 29.6 24.9 37.3
 39 62.7 53.9 80.9





#55

1,1,2-Trichloroethane

Concen: 23.953 ug/l

RT: 11.20 min Scan# 992

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS02

Tot Ion: 97 Resp: 120836

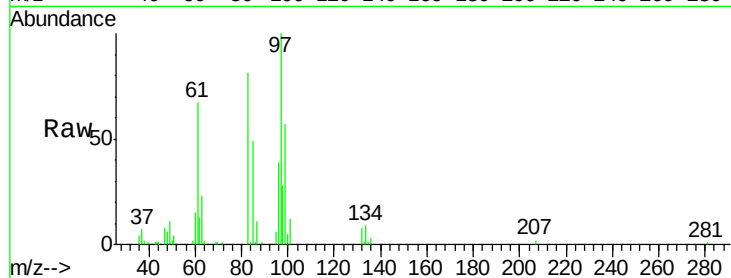
Ion Ratio Lower Upper

97 100

83 81.0 64.8 97.2

85 49.5 44.9 67.3

99 57.4 47.2 70.8

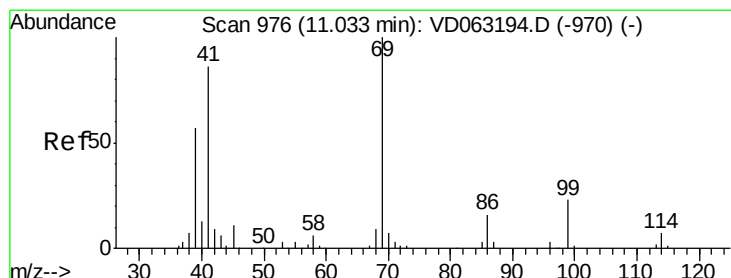
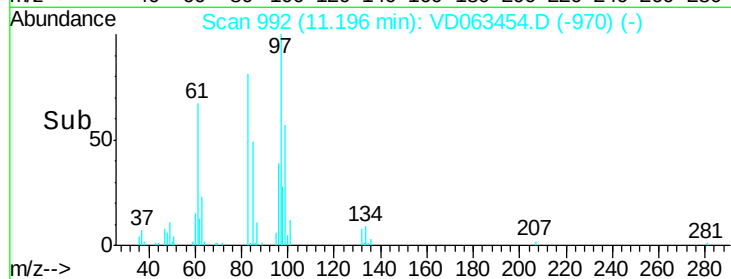
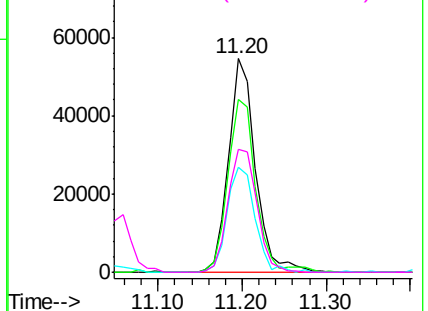


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 21.972 ug/l

RT: 11.06 min Scan# 978

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

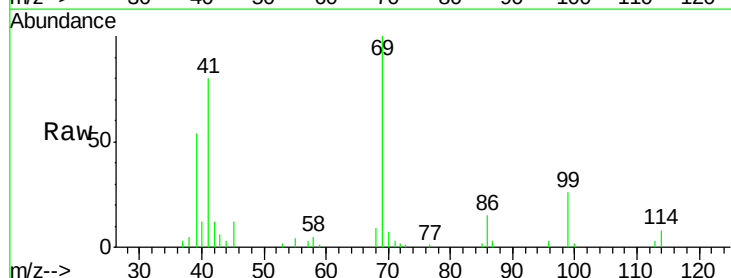
Tgt Ion: 69 Resp: 121375

Ion Ratio Lower Upper

69 100

41 80.2 68.8 103.2

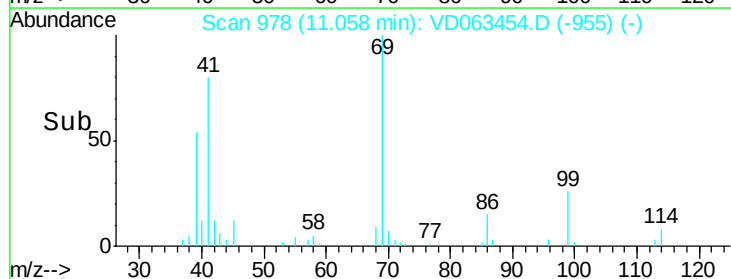
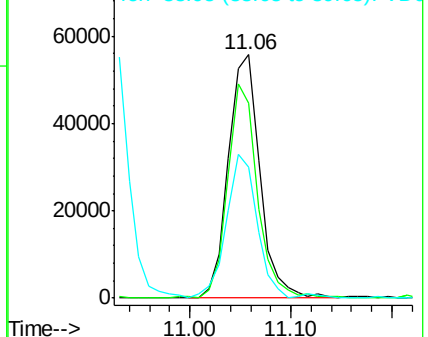
39 53.7 45.8 68.8

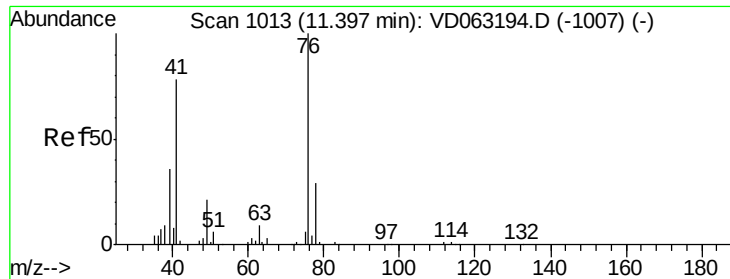


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

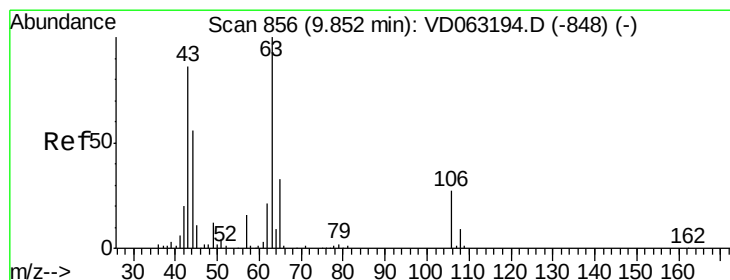
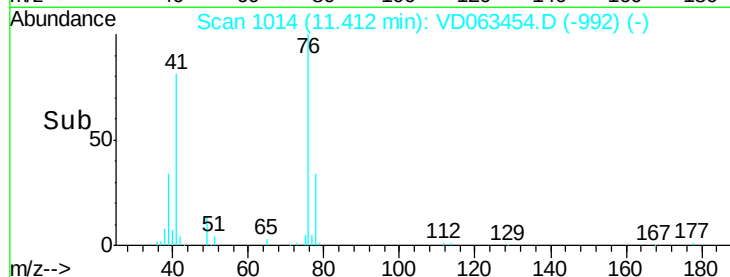
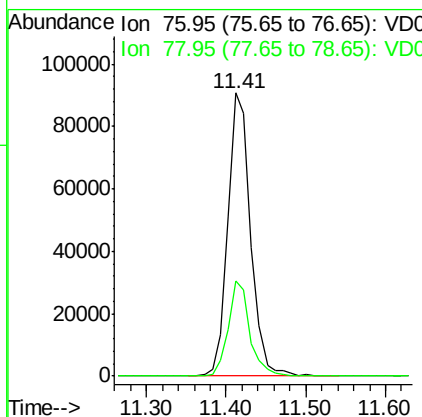
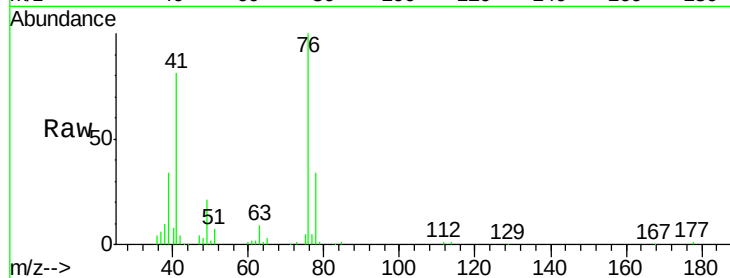




#57
 1,3-Dichloropropane
 Concen: 22.910 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.02 min
 Lab File: VD063454.D
 Acq: 9 Aug 2019 00:14

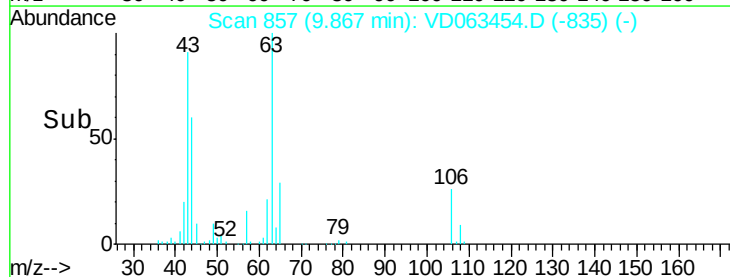
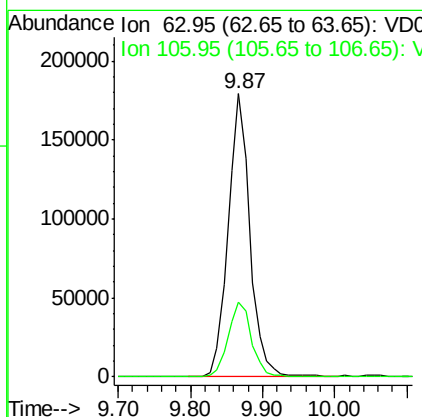
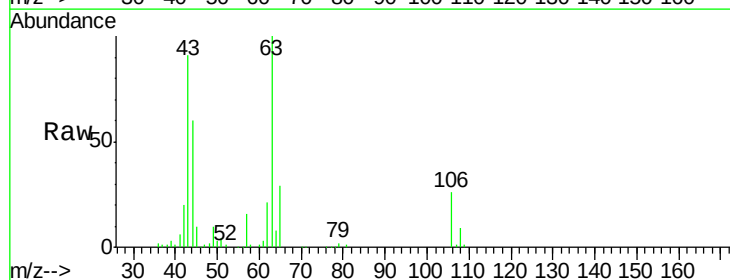
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS02

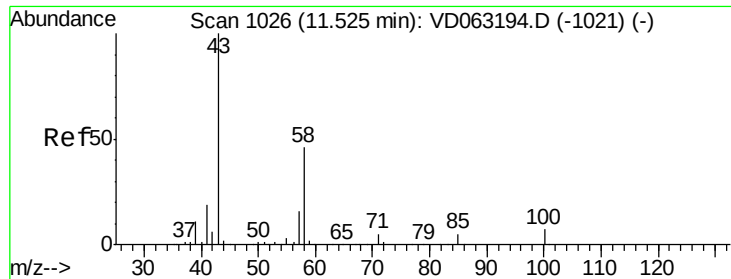
Tot Ion: 76 Resp: 182095
 Ion Ratio Lower Upper
 76 100
 78 33.5 23.4 35.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 130.525 ug/l
 RT: 9.87 min Scan# 857
 Delta R.T. 0.02 min
 Lab File: VD063454.D
 Acq: 9 Aug 2019 00:14

Tgt Ion: 63 Resp: 375182
 Ion Ratio Lower Upper
 63 100
 106 26.4 22.0 33.0





#59

2-Hexanone

Concen: 114.055 ug/l

RT: 11.54 min Scan# 1027

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

Instrument :

MSVOA_D

ClientSampleId :

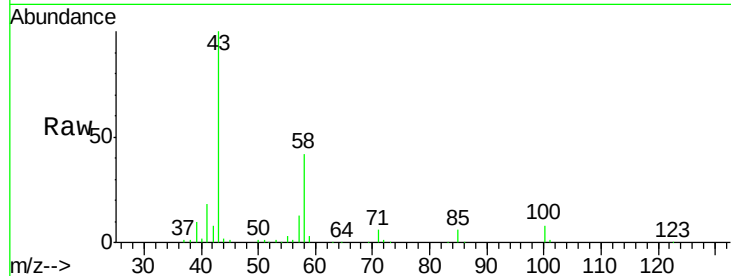
VD0808SBS02

Tot Ion: 43 Resp: 343746

Ion Ratio Lower Upper

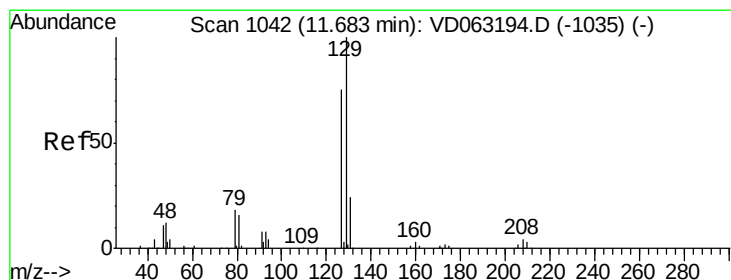
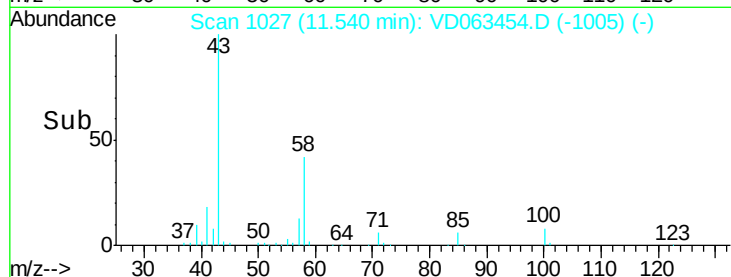
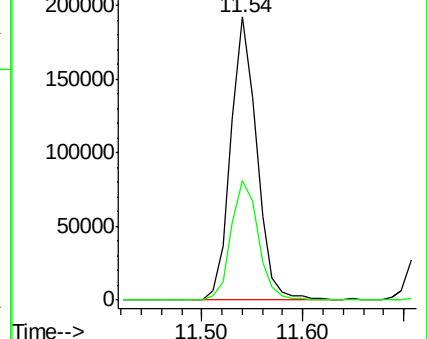
43 100

58 42.1 22.9 68.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 22.824 ug/l

RT: 11.70 min Scan# 1043

Delta R.T. 0.02 min

Lab File: VD063454.D

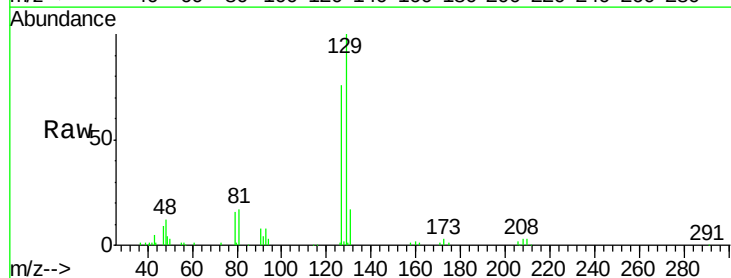
Acq: 9 Aug 2019 00:14

Tgt Ion: 129 Resp: 217364

Ion Ratio Lower Upper

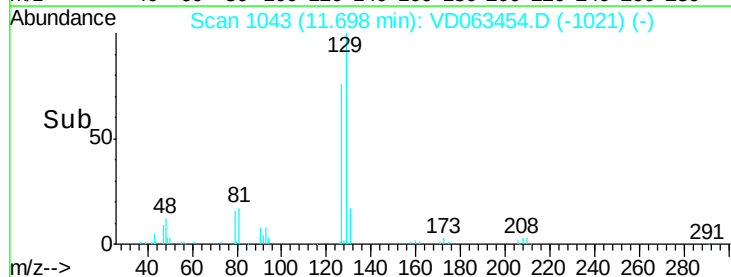
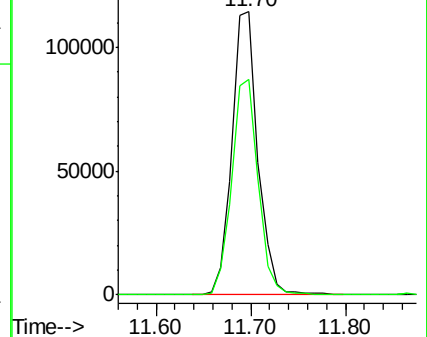
129 100

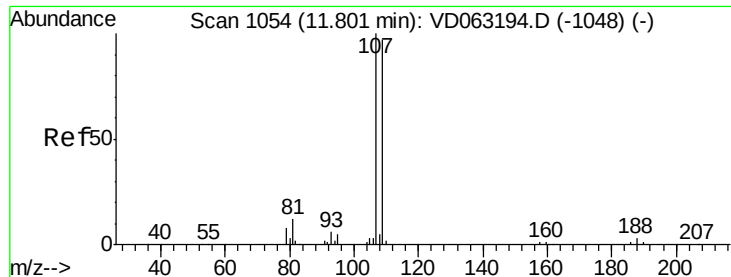
127 76.0 37.6 112.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 24.537 ug/l

RT: 11.82 min Scan# 1055

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

Instrument :

MSVOA_D

ClientSampleId :

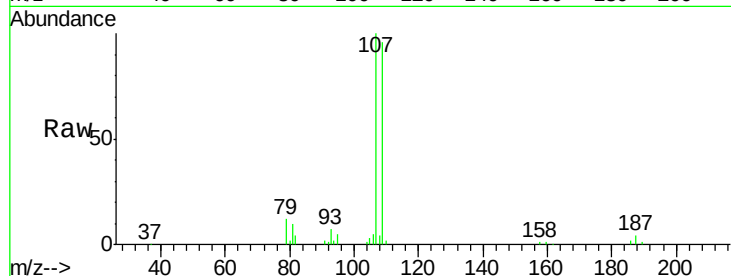
VD0808SBS02

Tot Ion:107 Resp: 152738

Ion Ratio Lower Upper

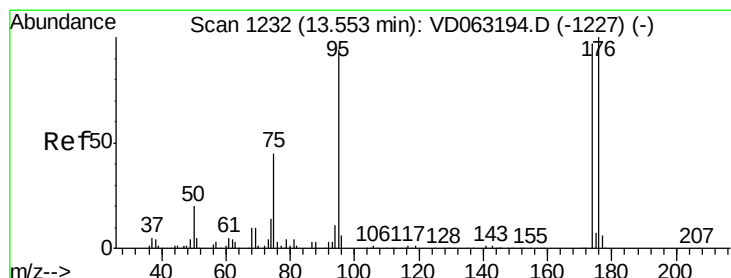
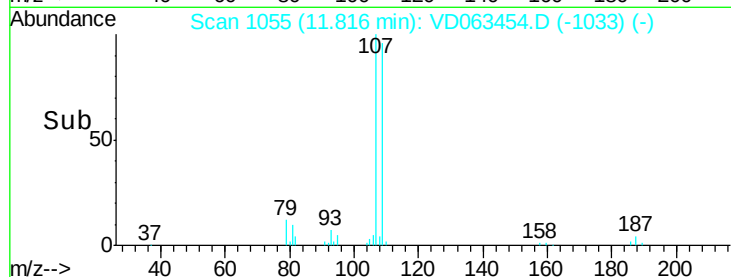
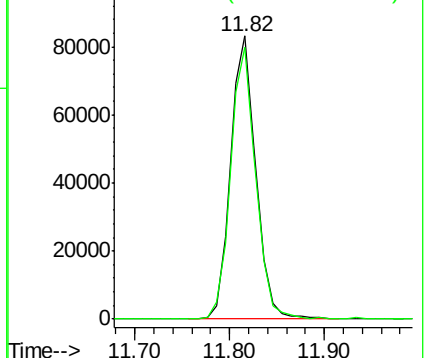
107 100

109 95.9 77.5 116.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 54.873 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

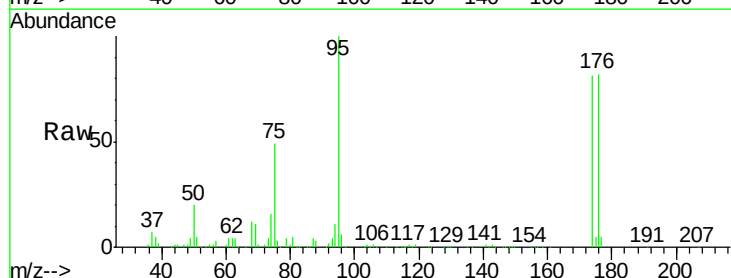
Tgt Ion: 95 Resp: 561011

Ion Ratio Lower Upper

95 100

174 80.6 0.0 205.4

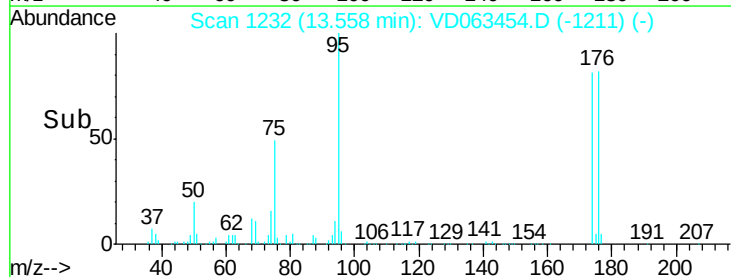
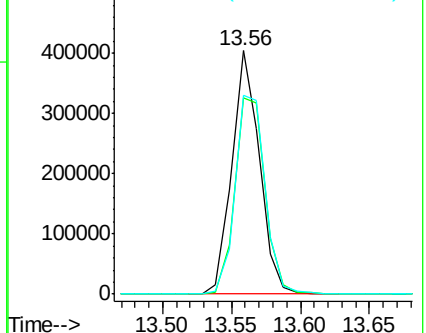
176 81.8 0.0 211.8

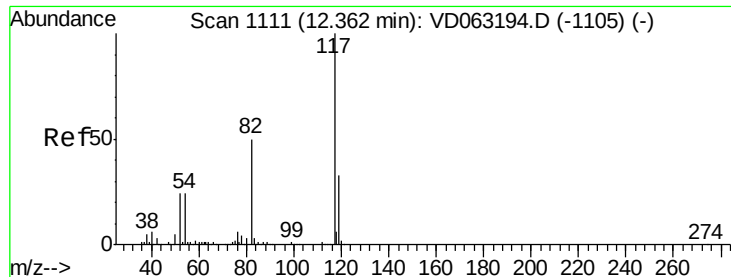


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

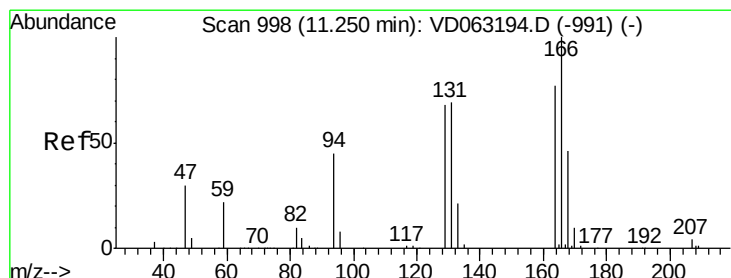
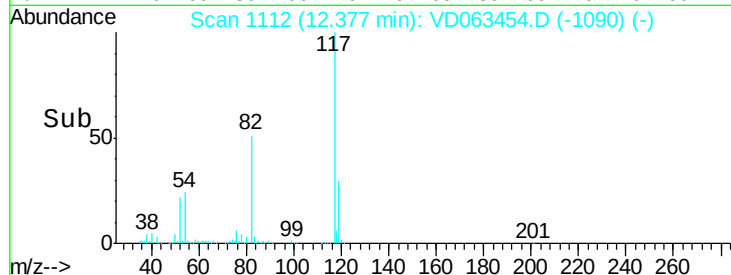
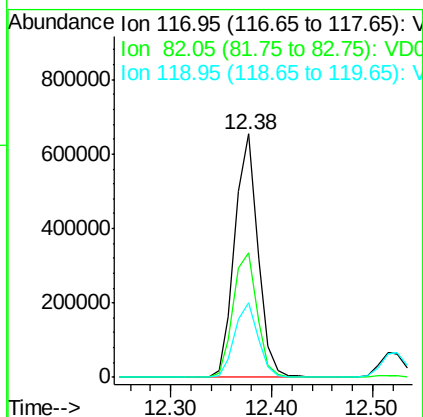
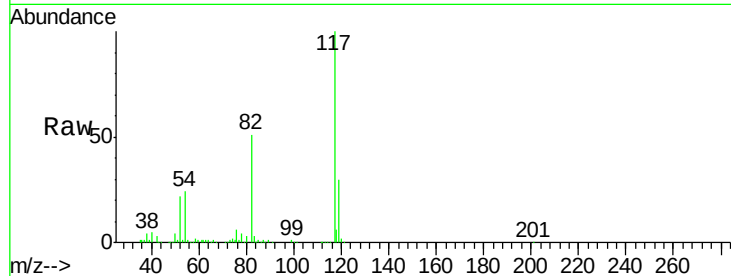




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD063454.D
Acq: 9 Aug 2019 00:14

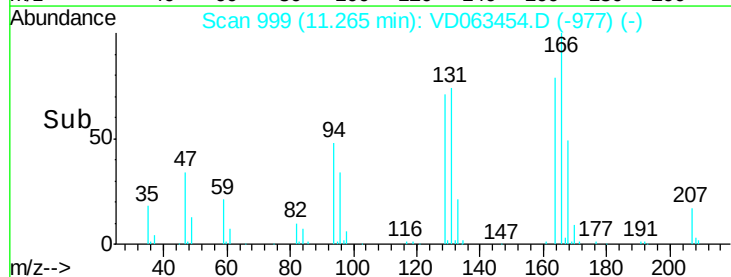
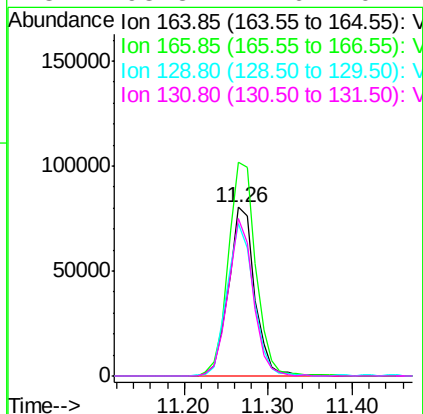
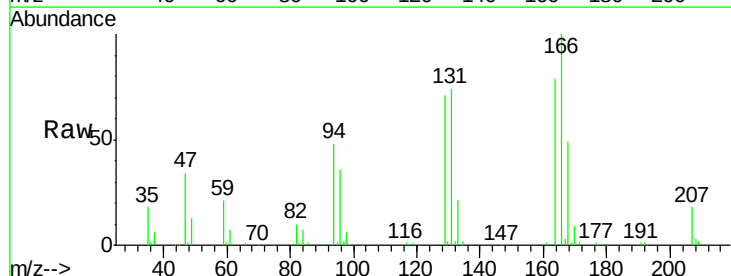
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS02

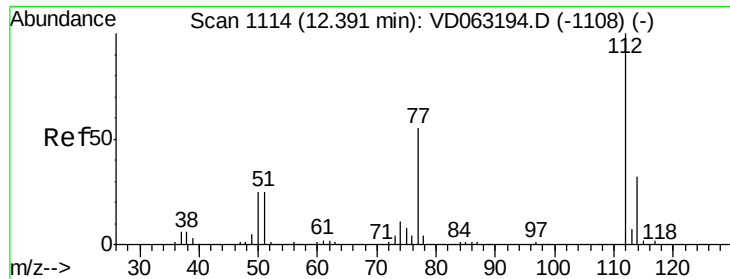
Tot Ion:117 Resp: 1041955
Ion Ratio Lower Upper
117 100
82 51.4 40.1 60.1
119 30.4 26.5 39.7



#64
Tetrachloroethene
Concen: 20.919 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.02 min
Lab File: VD063454.D
Acq: 9 Aug 2019 00:14

Tgt Ion:164 Resp: 173648
Ion Ratio Lower Upper
164 100
166 126.7 104.3 156.5
129 90.4 70.9 106.3
131 93.3 71.6 107.4

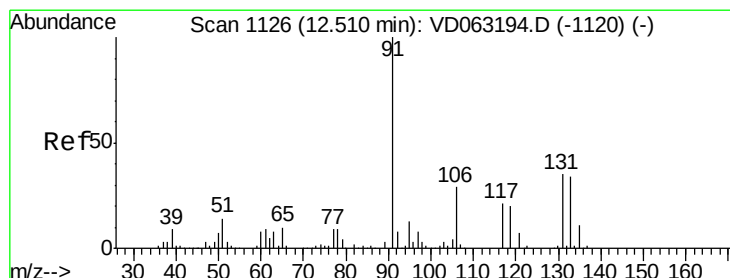
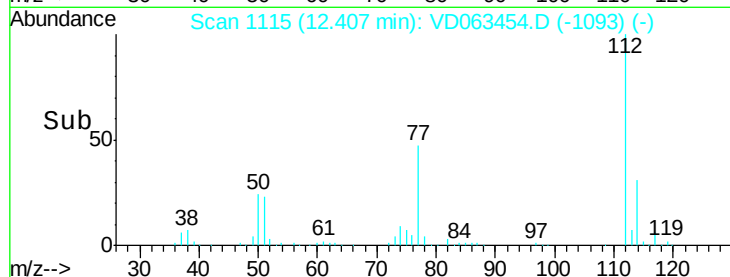
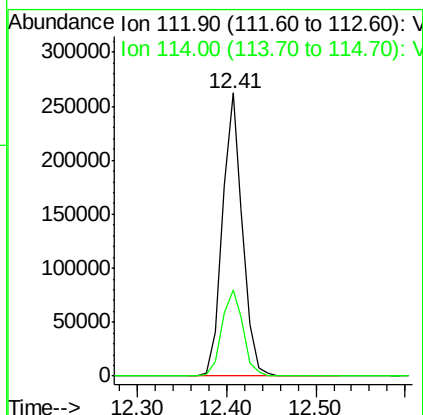
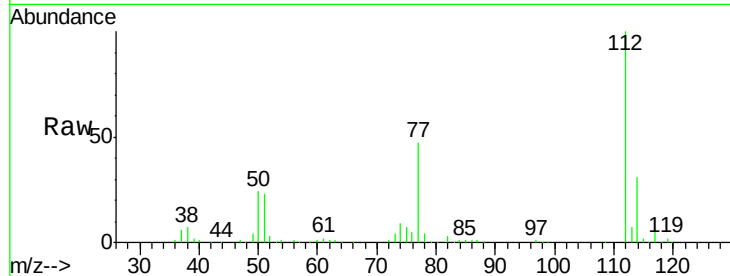




#65
Chlorobenzene
Concen: 20.673 ug/l
RT: 12.41 min Scan# 1115
Delta R.T. 0.02 min
Lab File: VD063454.D
Acq: 9 Aug 2019 00:14

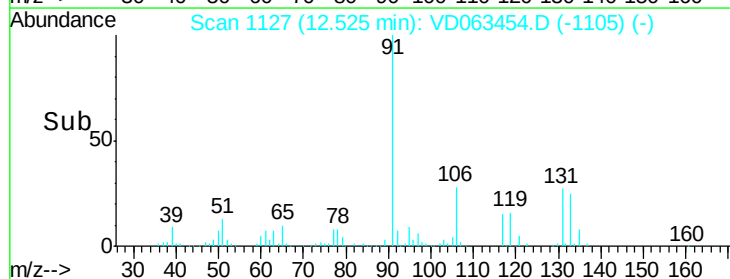
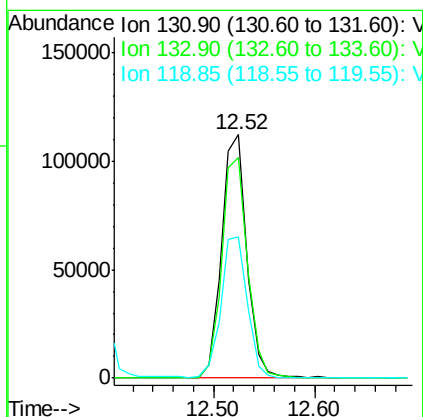
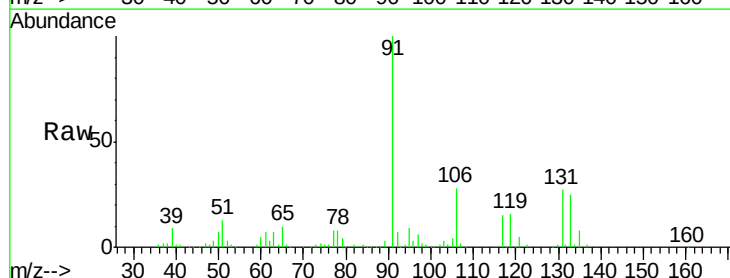
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS02

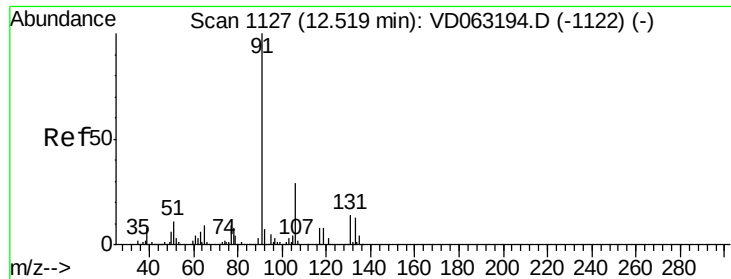
Tot Ion:112 Resp: 414317
Ion Ratio Lower Upper
112 100
114 30.7 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.096 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.02 min
Lab File: VD063454.D
Acq: 9 Aug 2019 00:14

Tgt Ion:131 Resp: 195061
Ion Ratio Lower Upper
131 100
133 90.4 48.4 145.2
119 57.9 29.1 87.3





#67

Ethyl Benzene

Concen: 21.019 ug/l

RT: 12.53 min Scan# 1128

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

Instrument :

MSVOA_D

ClientSampleId :

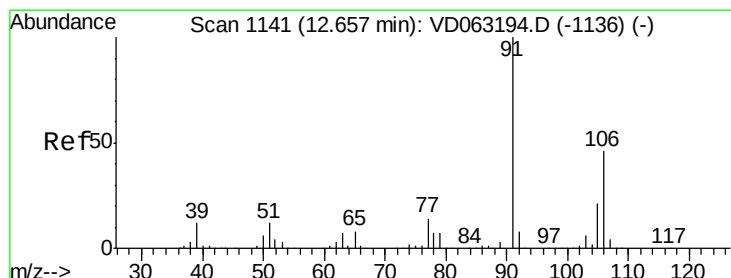
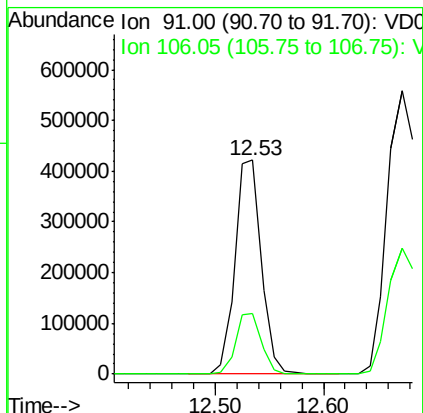
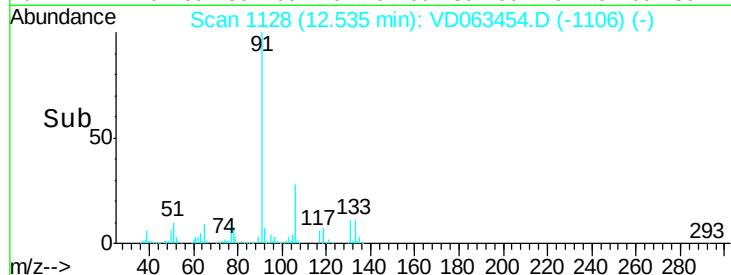
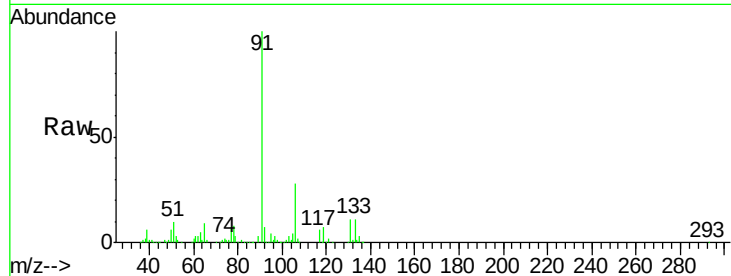
VD0808SBS02

Tot Ion: 91 Resp: 715623

Ion Ratio Lower Upper

91 100

106 28.3 22.9 34.3



#68

m/p-Xylenes

Concen: 39.124 ug/l

RT: 12.67 min Scan# 1142

Delta R.T. 0.02 min

Lab File: VD063454.D

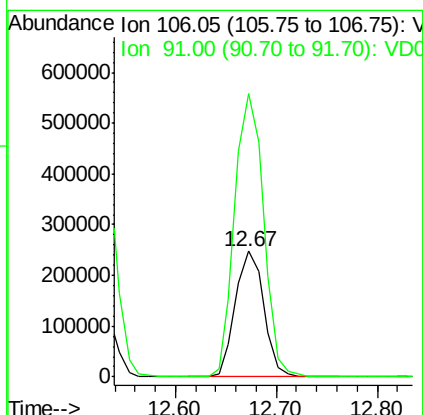
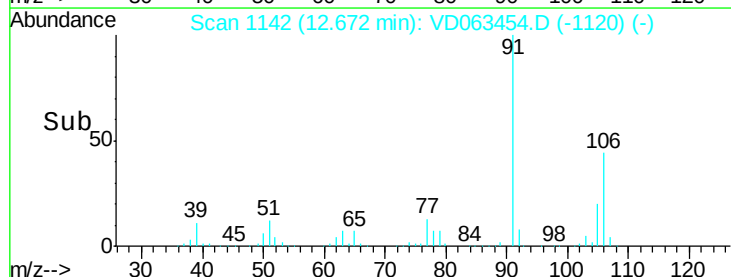
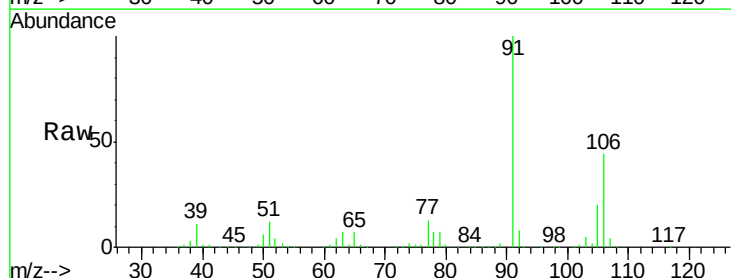
Acq: 9 Aug 2019 00:14

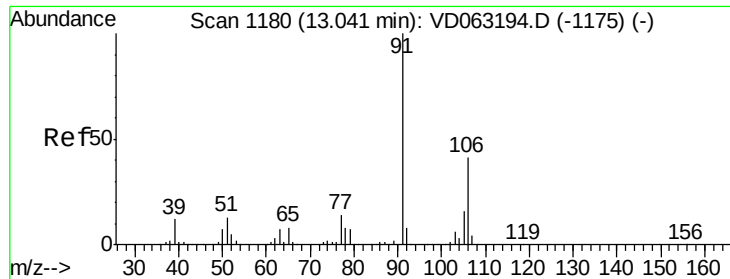
Tgt Ion: 106 Resp: 488487

Ion Ratio Lower Upper

106 100

91 225.6 172.6 259.0

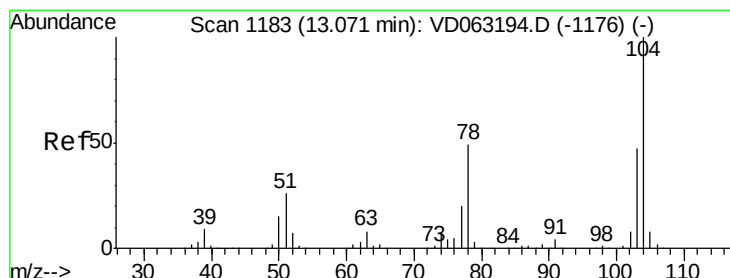
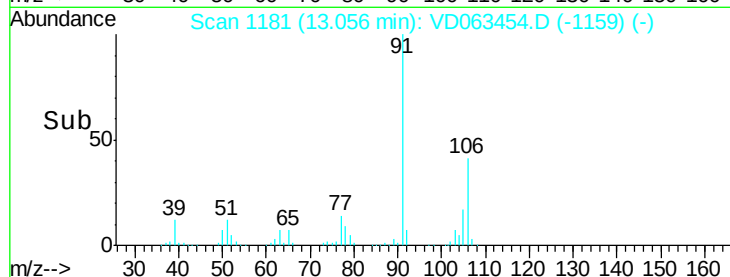
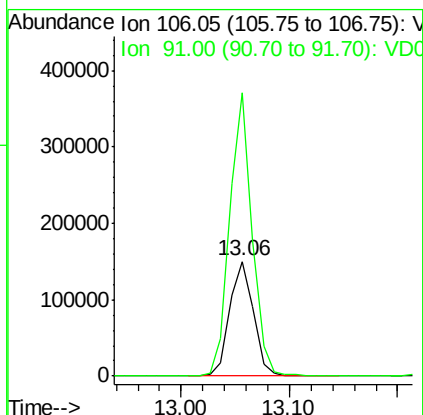
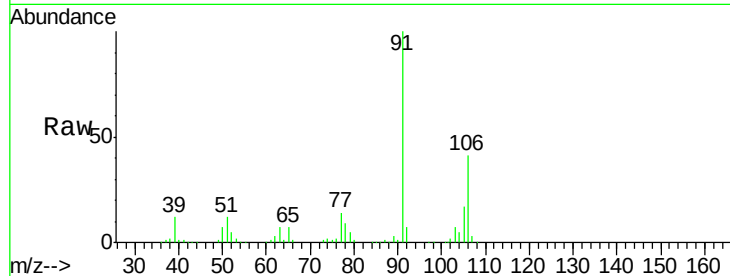




#69
o-Xylene
Concen: 20.130 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. 0.02 min
Lab File: VD063454.D
Acq: 9 Aug 2019 00:14

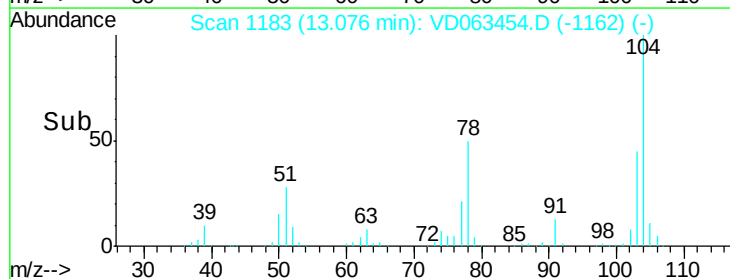
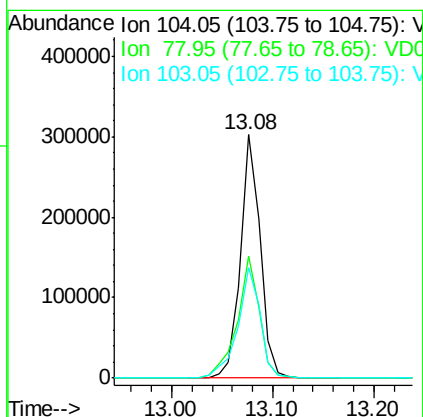
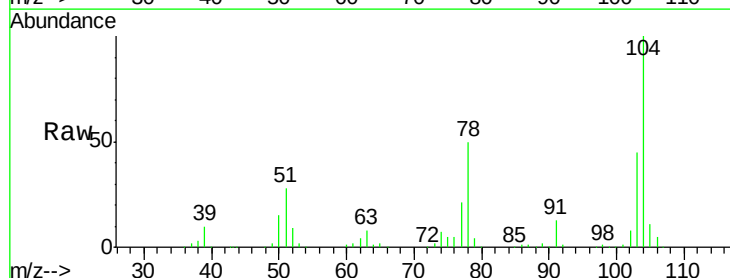
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS02

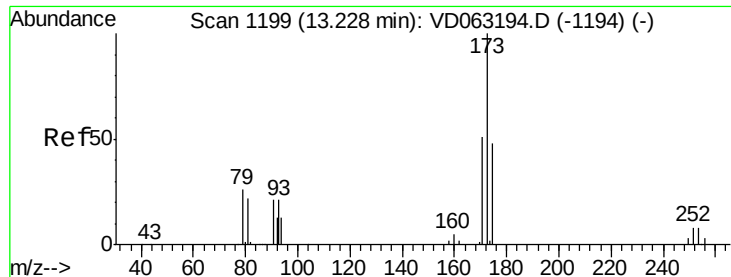
Tot Ion:106 Resp: 230800
Ion Ratio Lower Upper
106 100
91 246.1 121.3 363.9



#70
Styrene
Concen: 20.342 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VD063454.D
Acq: 9 Aug 2019 00:14

Tgt Ion:104 Resp: 413629
Ion Ratio Lower Upper
104 100
78 49.9 39.4 59.0
103 45.2 37.4 56.2





#71

Bromoform

Concen: 21.777 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS02

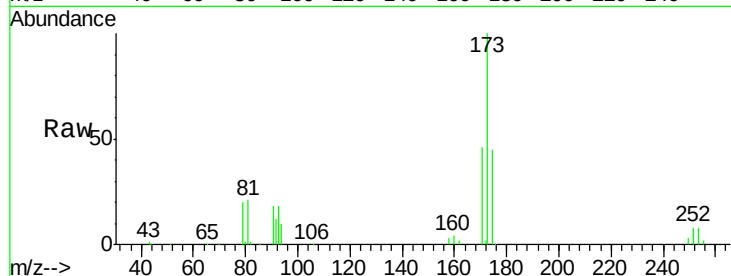
Tot Ion:173 Resp: 139808

Ion Ratio Lower Upper

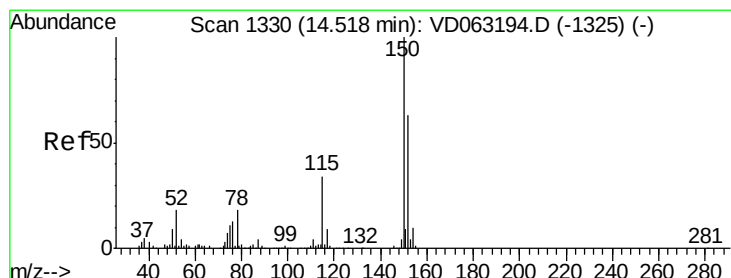
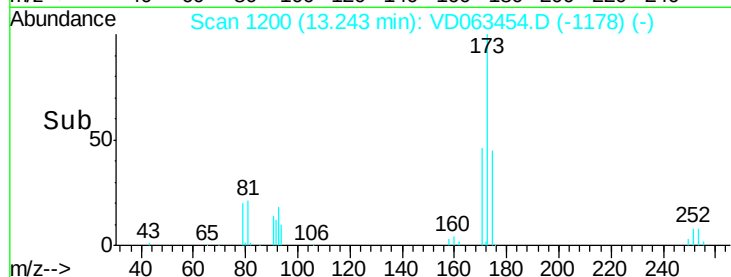
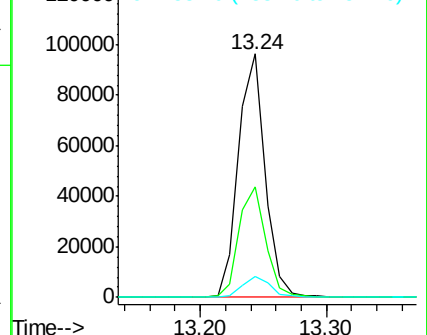
173 100

175 45.3 23.8 71.5

254 8.4 6.6 10.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.01 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

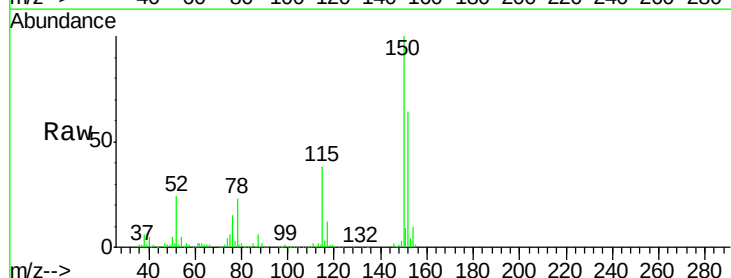
Tgt Ion:152 Resp: 550070

Ion Ratio Lower Upper

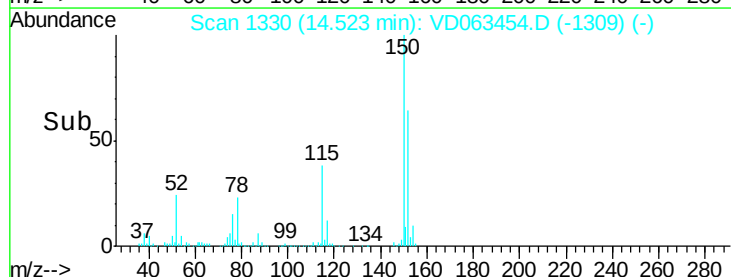
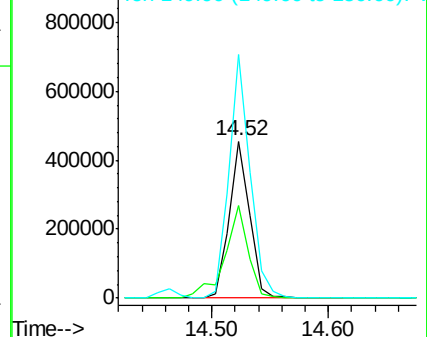
152 100

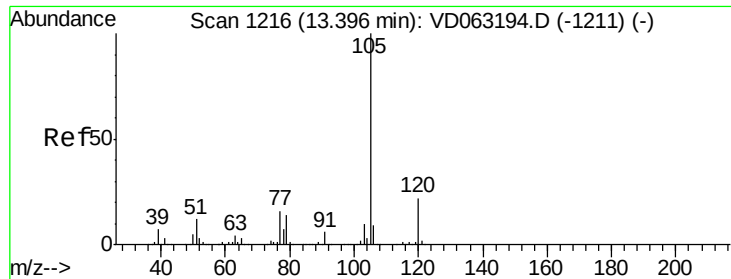
115 59.2 27.5 82.4

150 155.5 0.0 320.6



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





#73

Isopropylbenzene

Concen: 21.188 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

Instrument :

MSVOA_D

ClientSampleId :

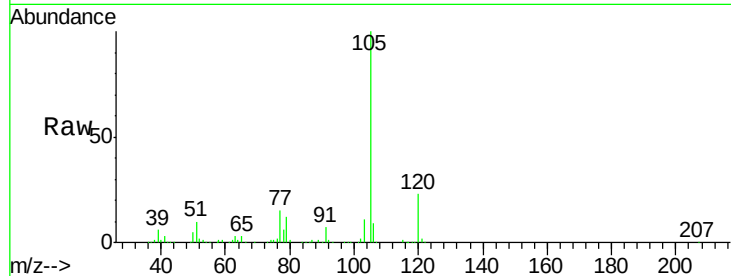
VD0808SBS02

Tot Ion:105 Resp: 731486

Ion Ratio Lower Upper

105 100

120 22.6 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

600000

500000

400000

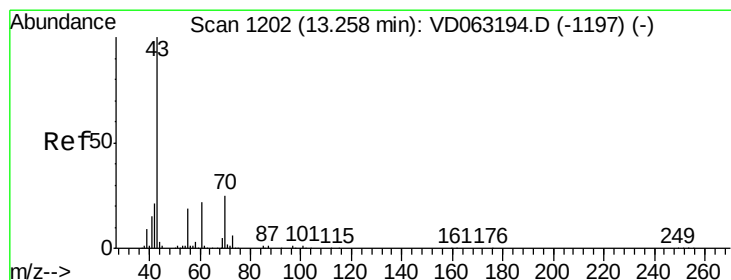
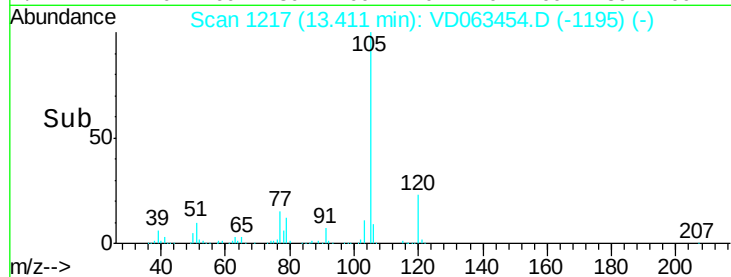
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 22.545 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

Tgt Ion: 43 Resp: 205762

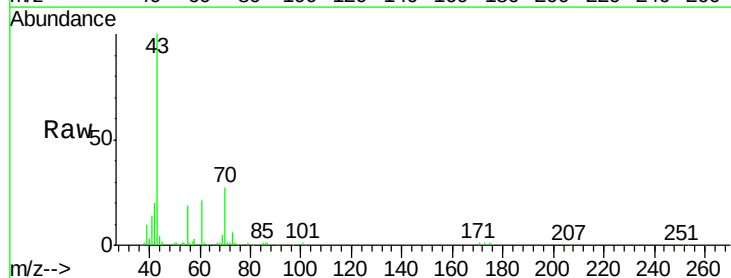
Ion Ratio Lower Upper

43 100

70 26.8 20.2 30.4

55 19.2 14.9 22.3

61 21.4 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

250000

200000

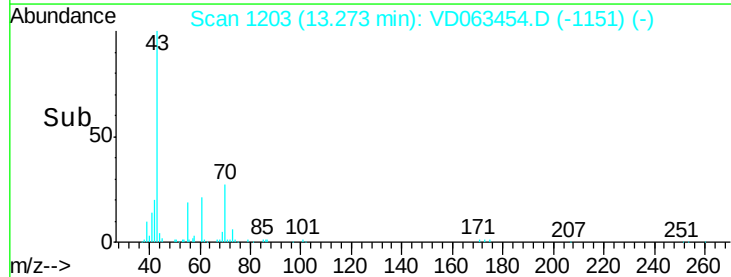
150000

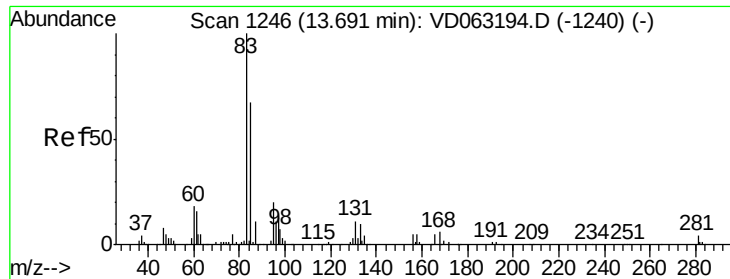
100000

50000

0

Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 23.634 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS02

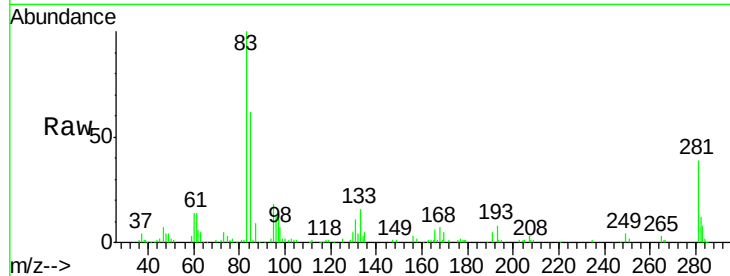
Tot Ion: 83 Resp: 138601

Ion Ratio Lower Upper

83 100

131 11.3 5.5 16.7

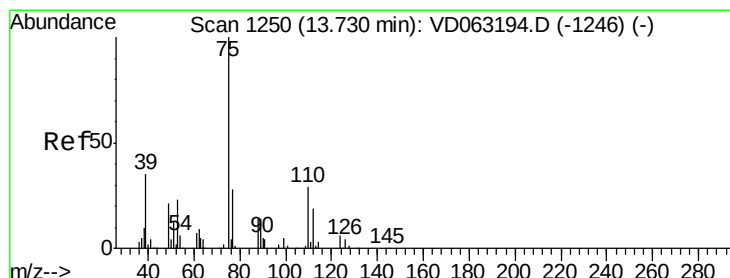
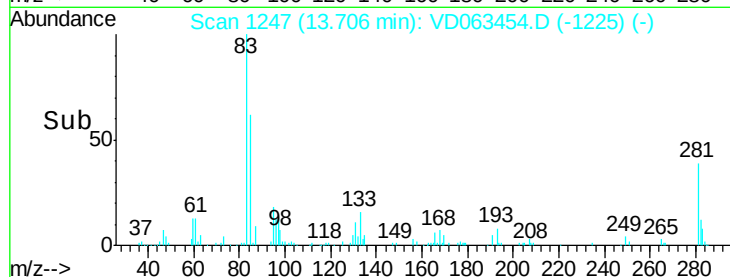
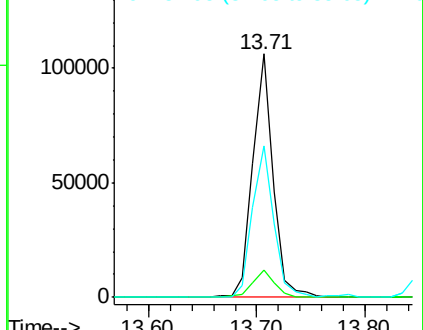
85 62.5 33.7 101.1



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: 21.596 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD063454.D

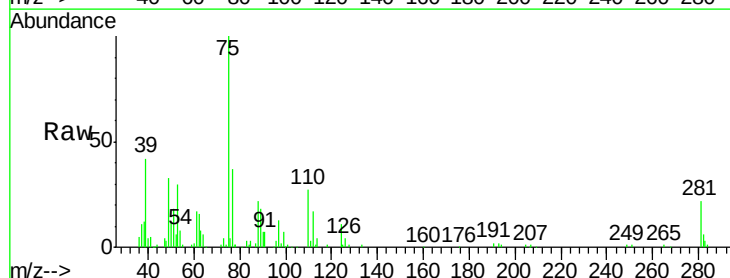
Acq: 9 Aug 2019 00:14

Tgt Ion: 75 Resp: 142687

Ion Ratio Lower Upper

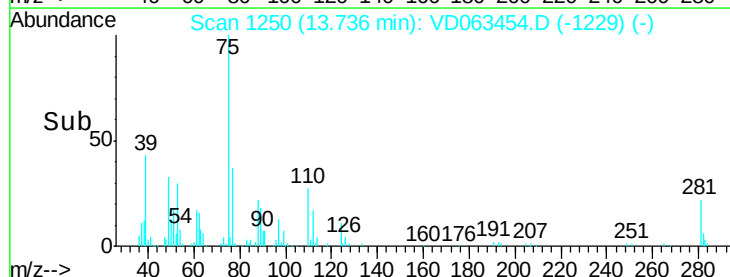
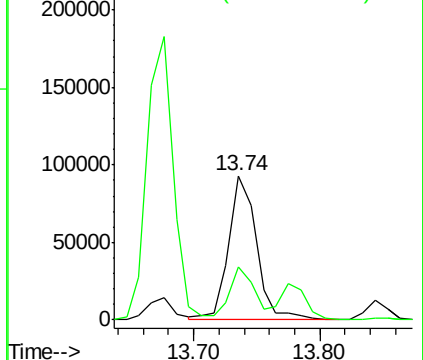
75 100

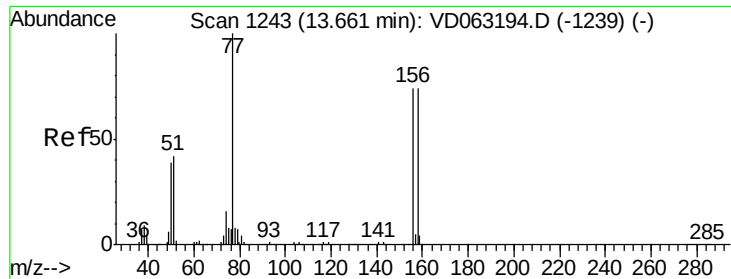
77 37.0 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.030 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS02

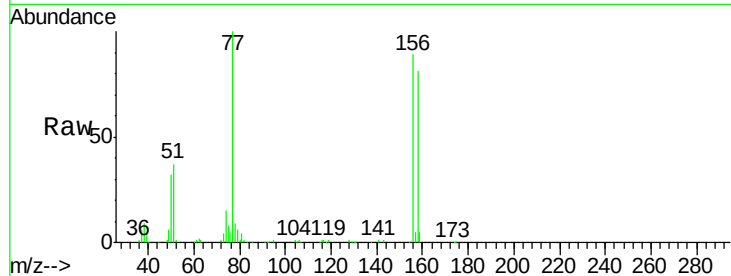
Tot Ion:156 Resp: 216662

Ion Ratio Lower Upper

156 100

77 112.3 67.6 202.8

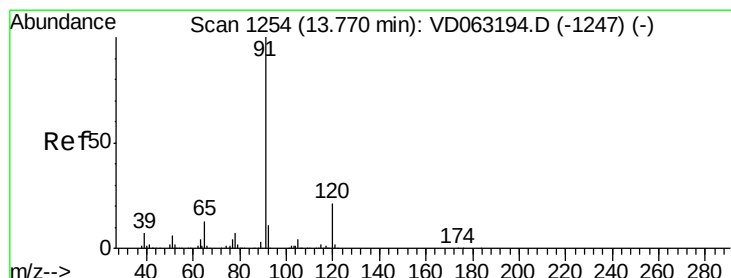
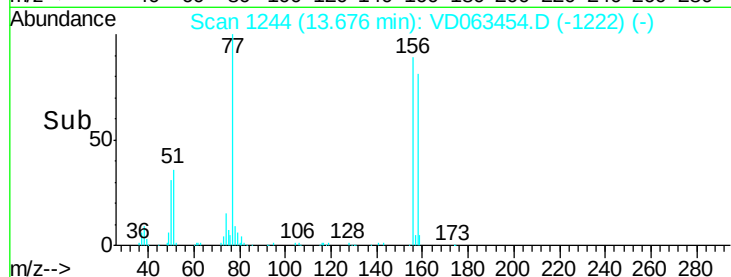
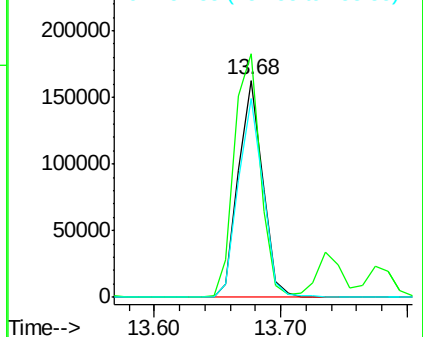
158 91.5 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.396 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD063454.D

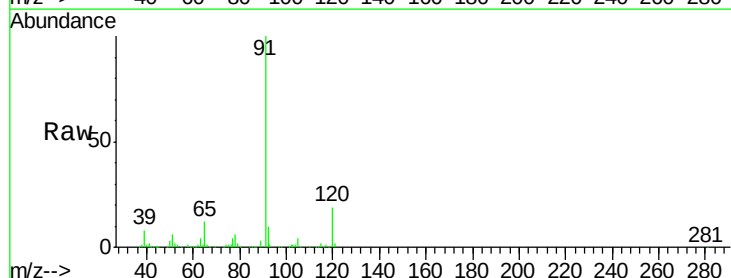
Acq: 9 Aug 2019 00:14

Tgt Ion: 91 Resp: 837969

Ion Ratio Lower Upper

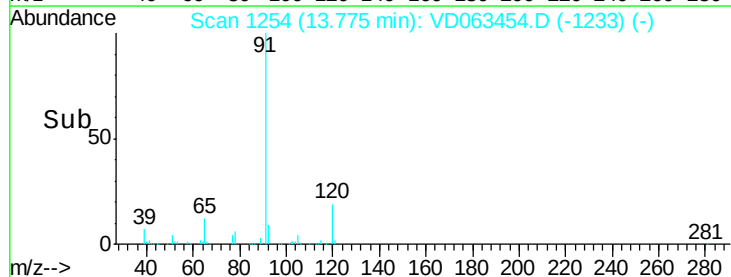
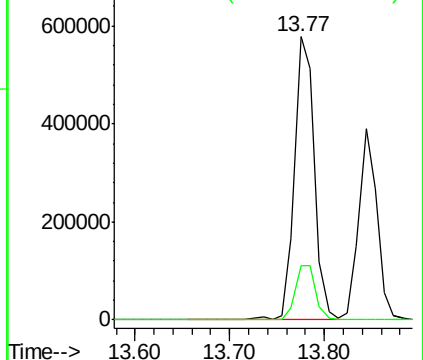
91 100

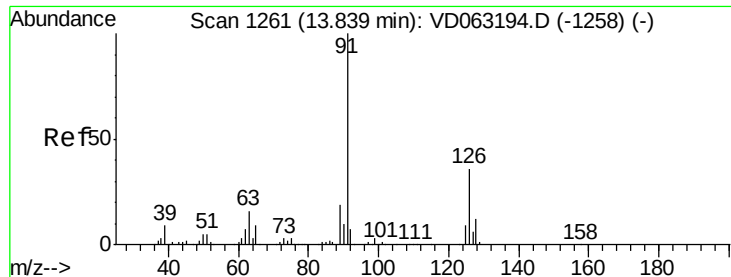
120 19.1 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

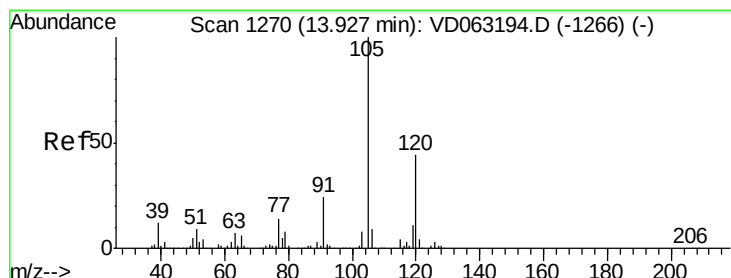
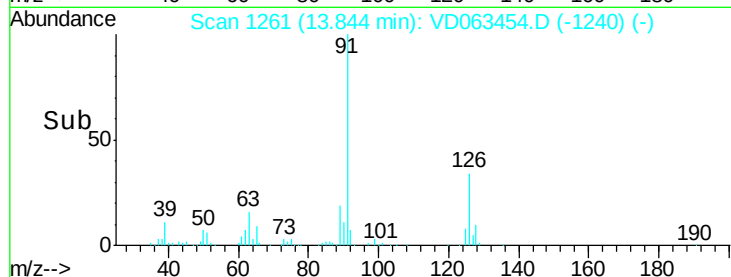
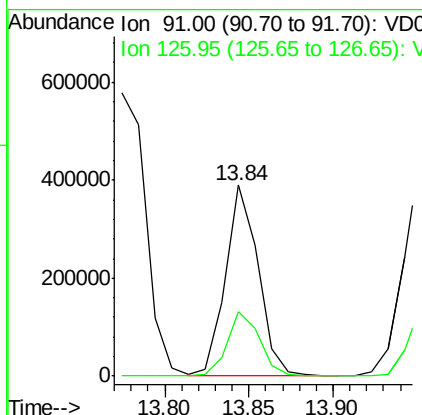
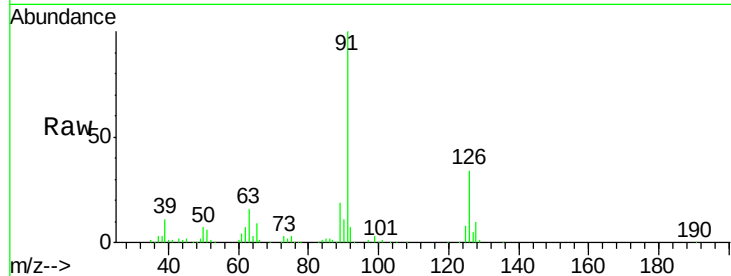




#79
 2-Chlorotoluene
 Concen: 22.058 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.01 min
 Lab File: VD063454.D
 Acq: 9 Aug 2019 00:14

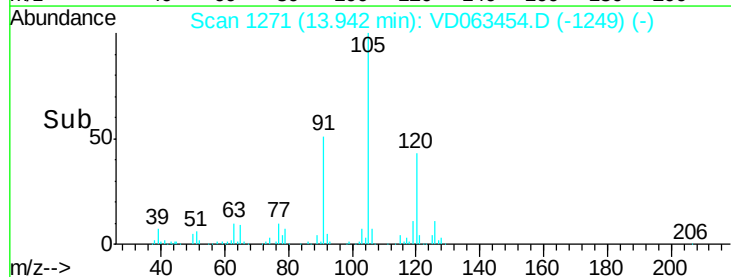
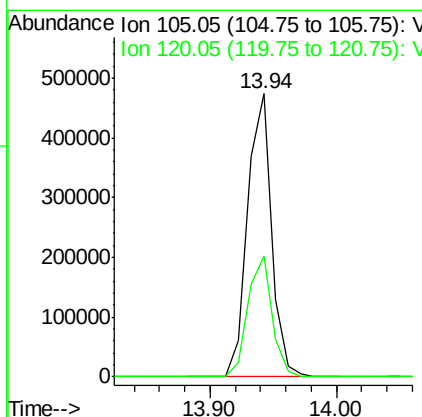
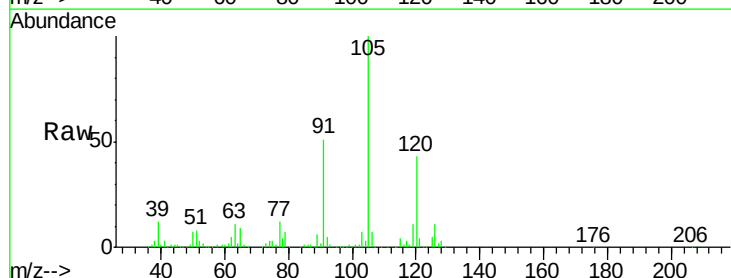
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS02

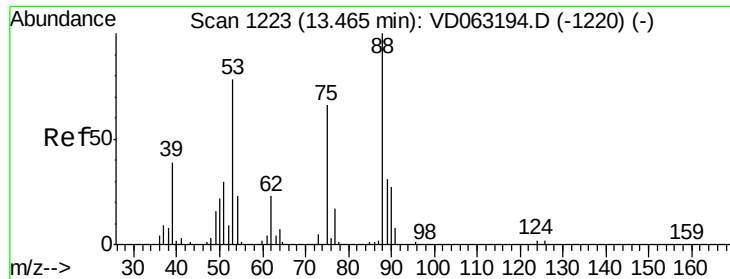
Tot Ion: 91 Resp: 525096
 Ion Ratio Lower Upper
 91 100
 126 34.1 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 21.008 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.02 min
 Lab File: VD063454.D
 Acq: 9 Aug 2019 00:14

Tgt Ion: 105 Resp: 625546
 Ion Ratio Lower Upper
 105 100
 120 42.6 22.1 66.1

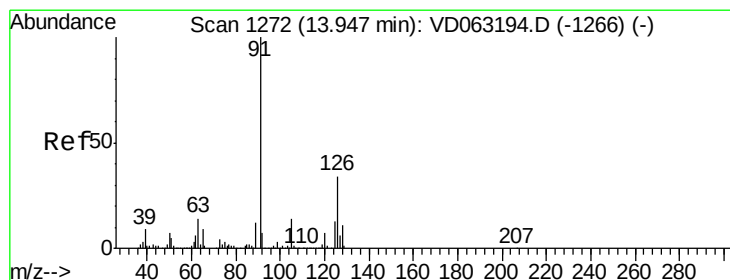
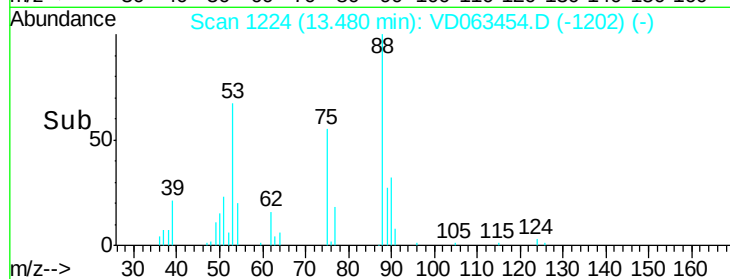
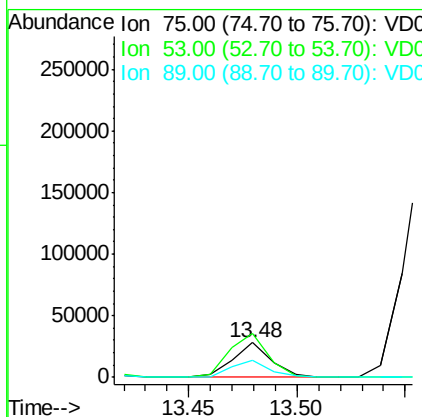
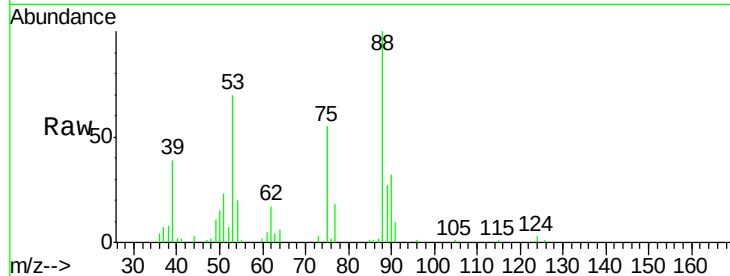




#81
trans-1,4-Dichloro-2-butene
Concen: 19.229 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. 0.02 min
Lab File: VD063454.D
Acq: 9 Aug 2019 00:14

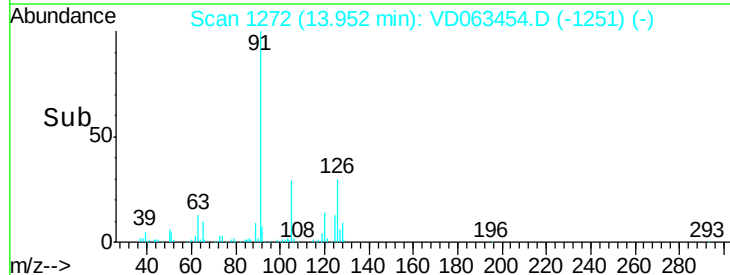
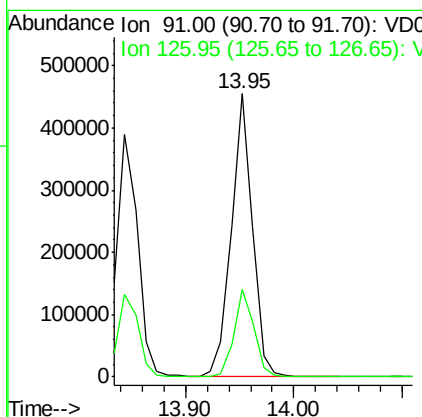
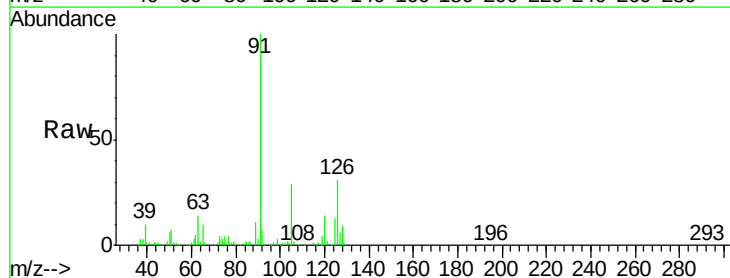
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBS02

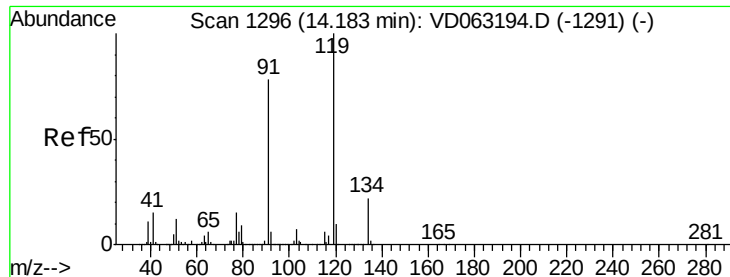
Tot Ion: 75 Resp: 35278
Ion Ratio Lower Upper
75 100
53 126.7 94.9 142.3
89 48.6 37.4 56.0



#82
4-Chlorotoluene
Concen: 22.169 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VD063454.D
Acq: 9 Aug 2019 00:14

Tgt Ion: 91 Resp: 621096
Ion Ratio Lower Upper
91 100
126 30.8 17.1 51.2

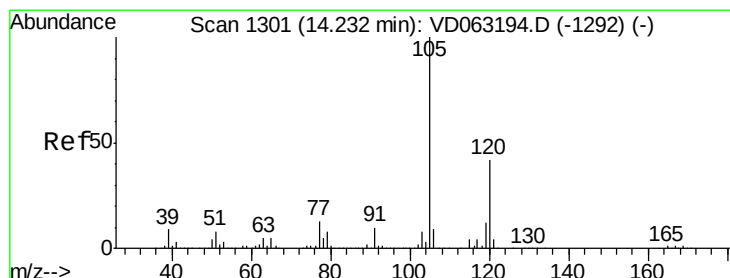
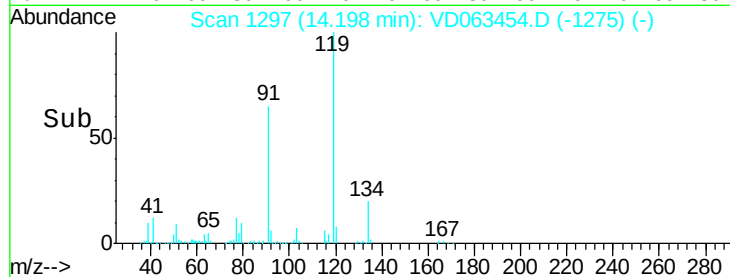
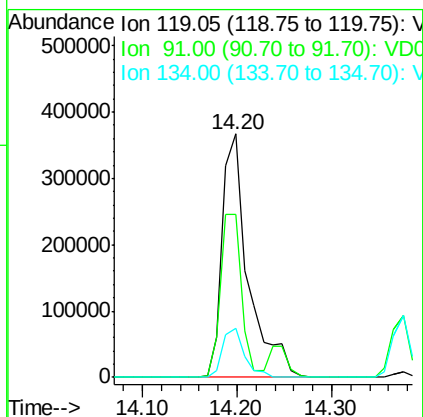
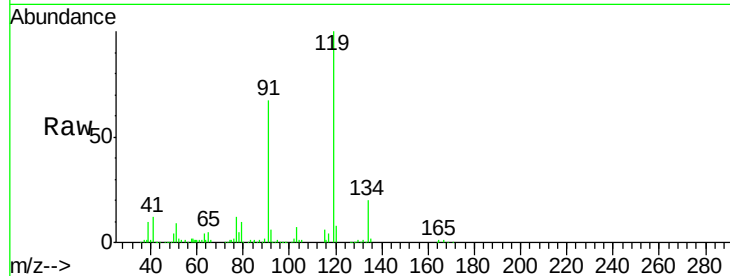




#83
 tert-Butylbenzene
 Concen: 20.597 ug/l
 RT: 14.20 min Scan# 1297
 Delta R.T. 0.02 min
 Lab File: VD063454.D
 Acq: 9 Aug 2019 00:14

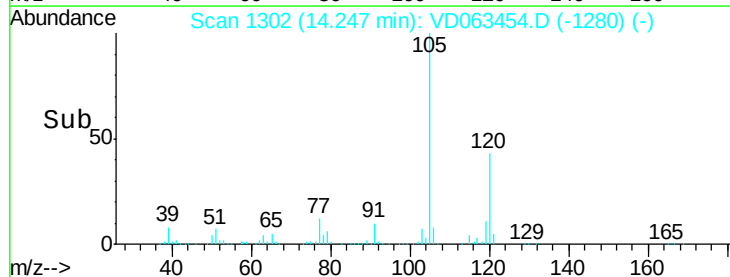
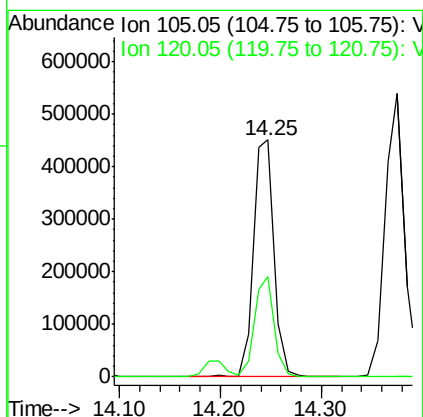
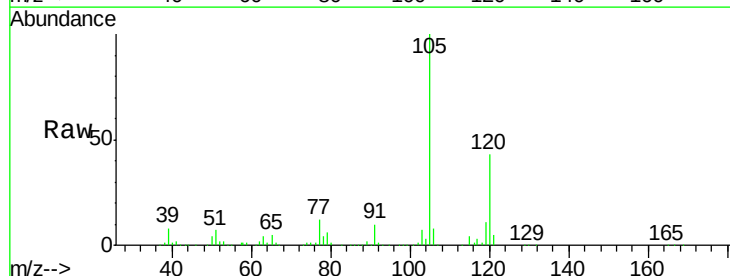
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS02

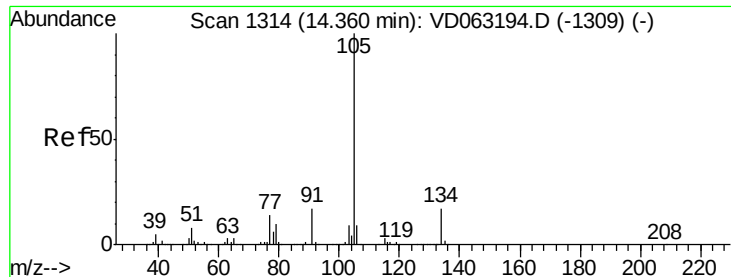
Tot Ion:119 Resp: 700300
 Ion Ratio Lower Upper
 119 100
 91 67.1 39.1 117.5
 134 19.9 10.9 32.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.956 ug/l
 RT: 14.25 min Scan# 1302
 Delta R.T. 0.02 min
 Lab File: VD063454.D
 Acq: 9 Aug 2019 00:14

Tgt Ion:105 Resp: 645427
 Ion Ratio Lower Upper
 105 100
 120 42.6 20.9 62.7





#85

sec-Butylbenzene

Concen: 20.149 ug/l

RT: 14.38 min Scan# 1315

Delta R.T. 0.02 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

Instrument :

MSVOA_D

ClientSampleId :

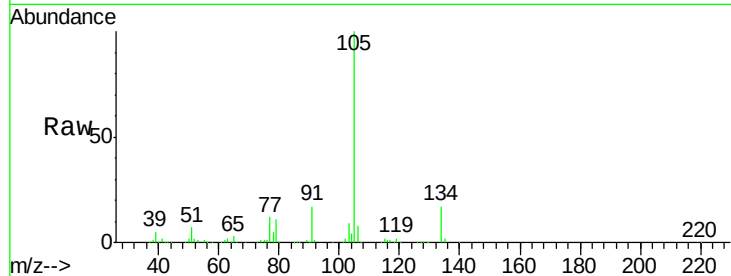
VD0808SBS02

Tot Ion:105 Resp: 721747

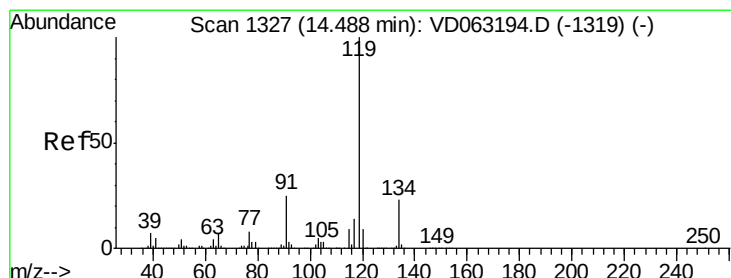
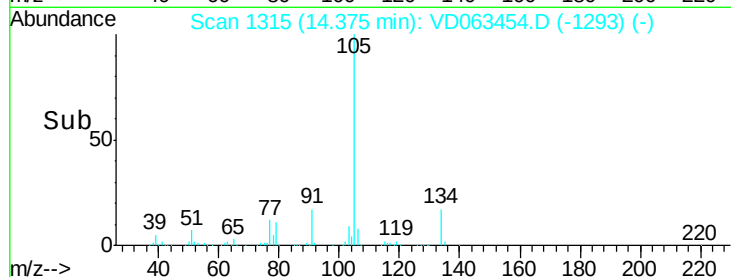
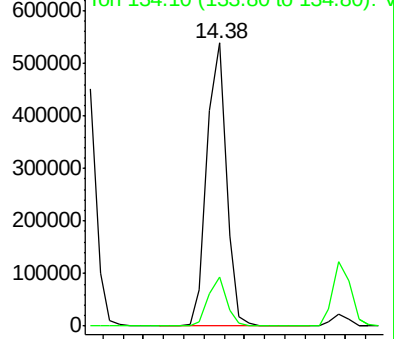
Ion Ratio Lower Upper

105 100

134 17.5 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V



#86

p-Isopropyltoluene

Concen: 19.967 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.01 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

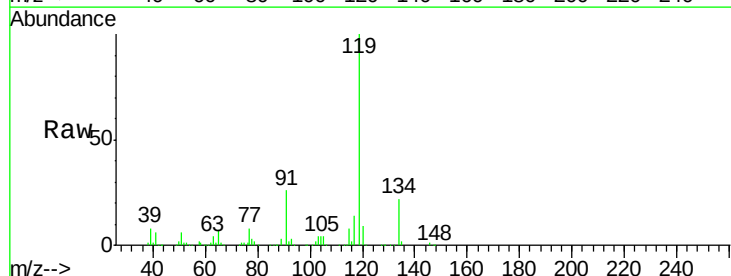
Tgt Ion:119 Resp: 682669

Ion Ratio Lower Upper

119 100

134 22.0 11.5 34.5

91 26.0 12.6 37.6



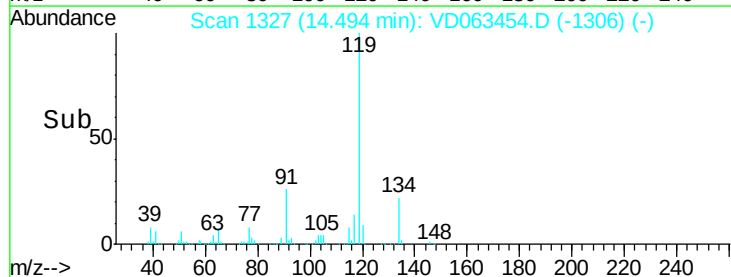
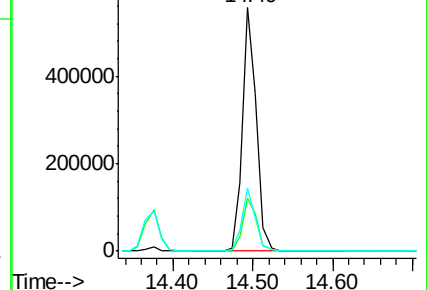
Abundance Ion 119.05 (118.75 to 119.75): V

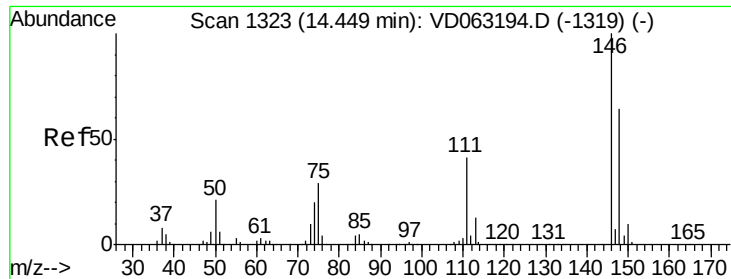
Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

VD063454.D (-1306) (-)

14.49

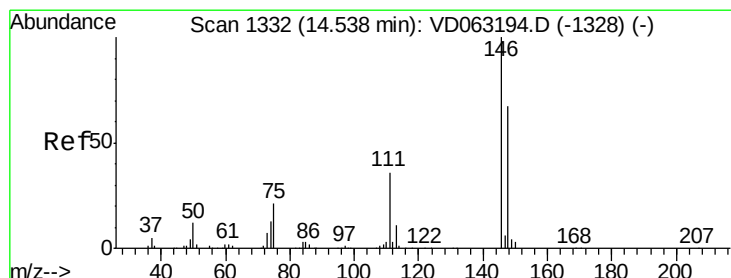
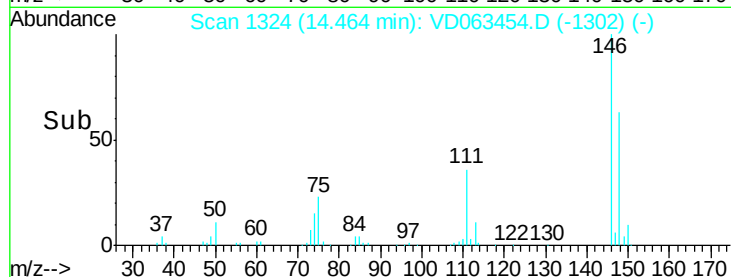
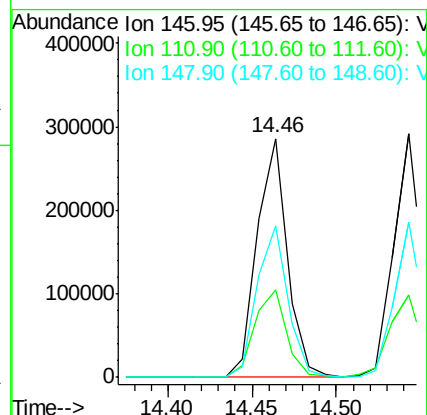
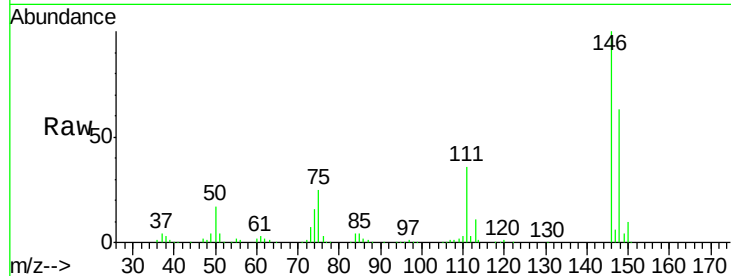




#87
 1,3-Dichlorobenzene
 Concen: 20.458 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.02 min
 Lab File: VD063454.D
 Acq: 9 Aug 2019 00:14

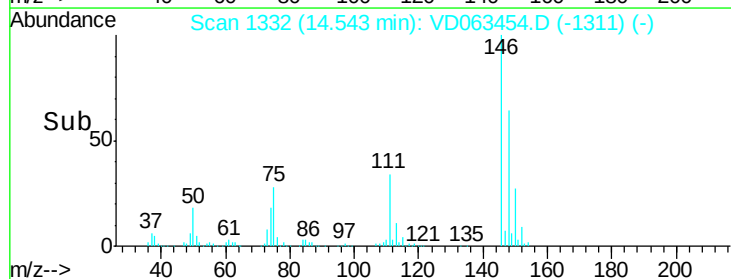
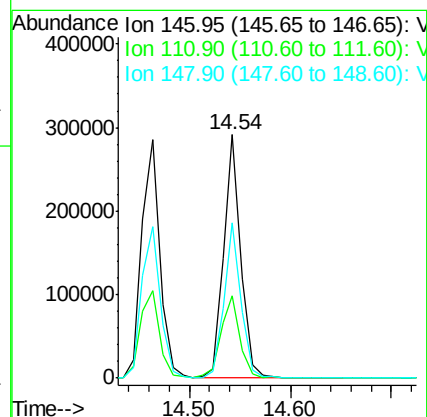
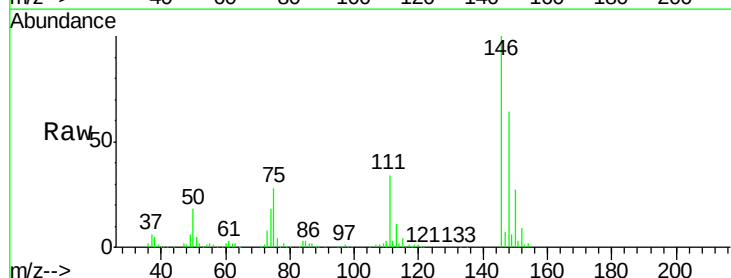
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS02

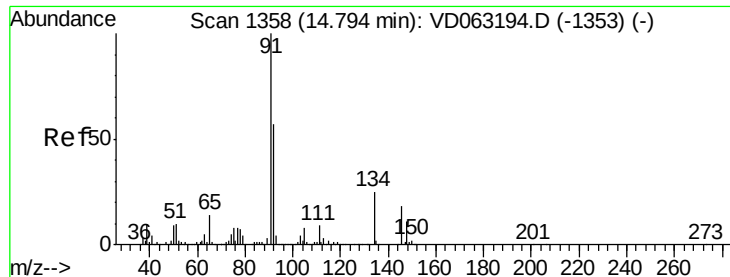
Tot Ion:146 Resp: 356314
 Ion Ratio Lower Upper
 146 100
 111 36.5 20.4 61.3
 148 63.1 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.781 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD063454.D
 Acq: 9 Aug 2019 00:14

Tgt Ion:146 Resp: 348390
 Ion Ratio Lower Upper
 146 100
 111 34.0 18.1 54.3
 148 63.6 33.4 100.1





#89

n-Butylbenzene

Concen: 19.876 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS02

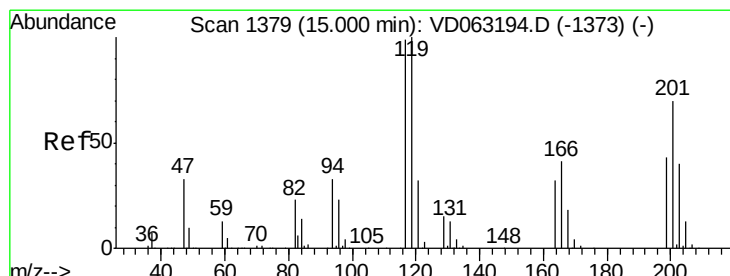
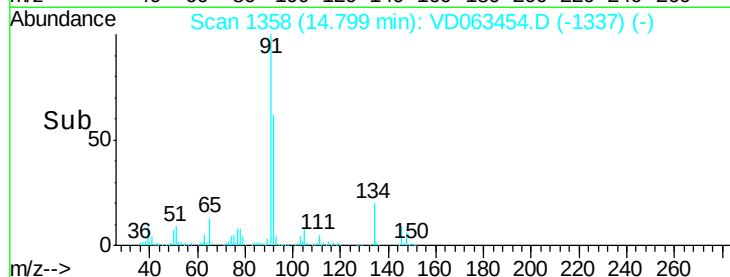
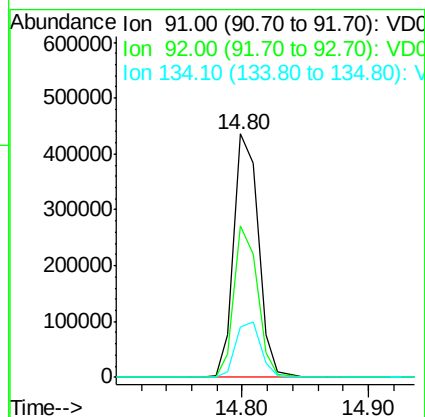
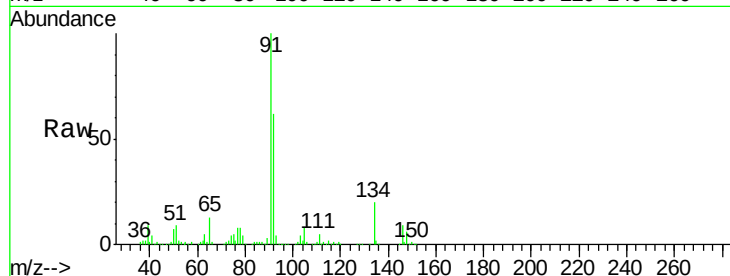
Tot Ion: 91 Resp: 586924

Ion Ratio Lower Upper

91 100

92 62.0 28.3 85.0

134 20.5 12.3 36.8



#90

Hexachloroethane

Concen: 19.038 ug/l

RT: 15.02 min Scan# 1380

Delta R.T. 0.02 min

Lab File: VD063454.D

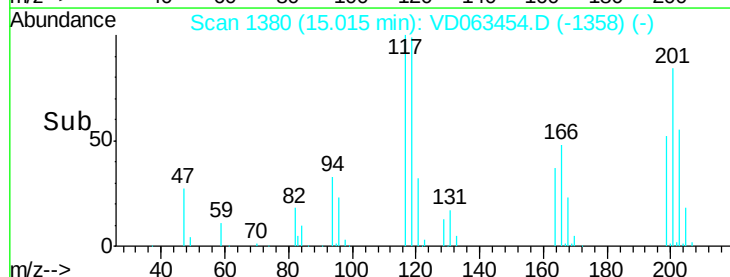
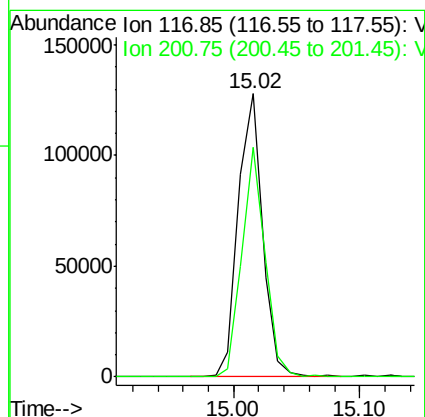
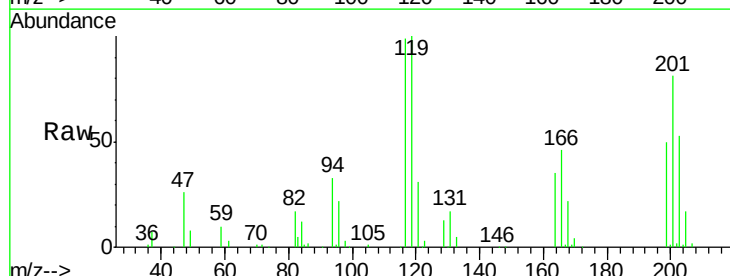
Acq: 9 Aug 2019 00:14

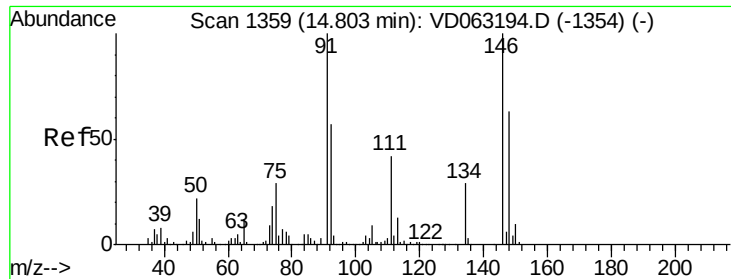
Tgt Ion: 117 Resp: 169580

Ion Ratio Lower Upper

117 100

201 81.2 35.2 105.6

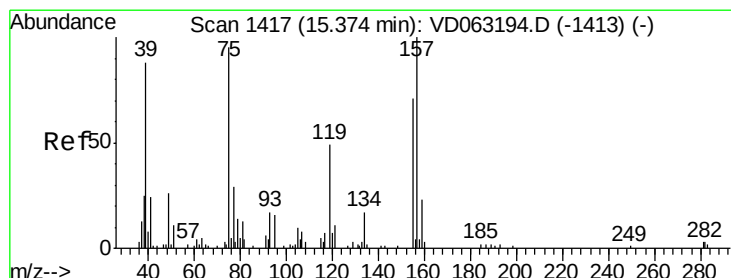
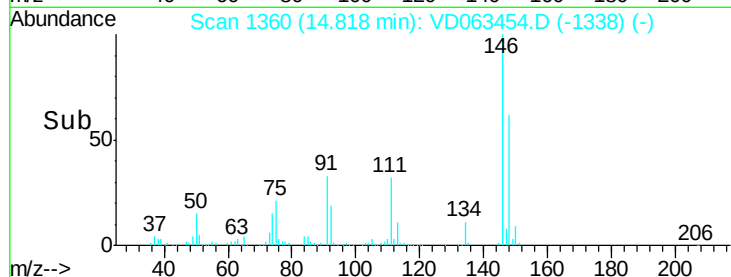
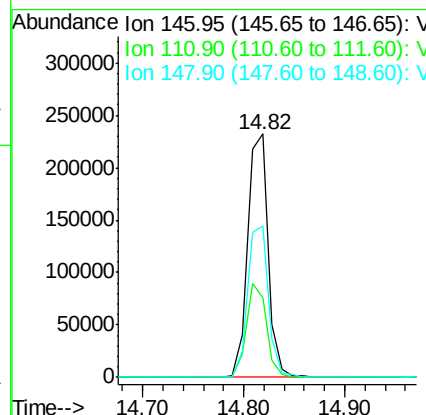
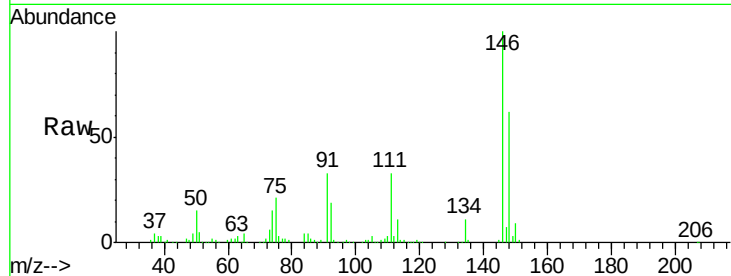




#91
 1,2-Dichlorobenzene
 Concen: 21.681 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. 0.02 min
 Lab File: VD063454.D
 Acq: 9 Aug 2019 00:14

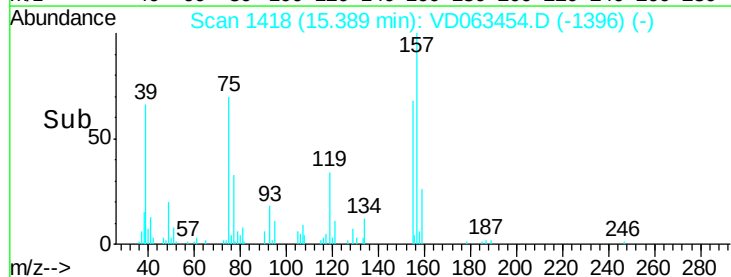
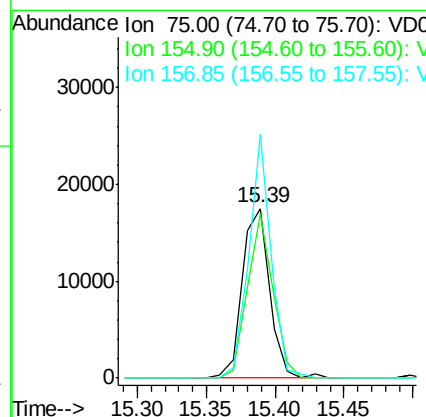
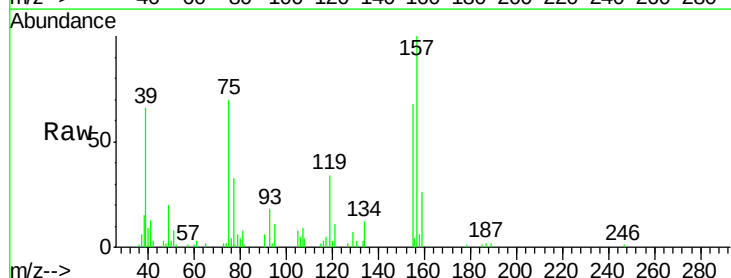
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS02

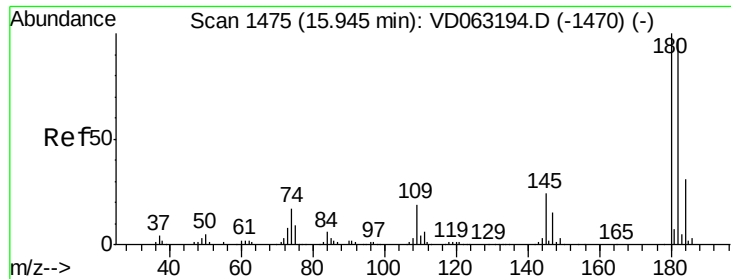
Tot Ion	Ratio	Lower	Upper
146	100		
111	32.7	21.1	63.3
148	62.5	31.6	94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.325 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.02 min
 Lab File: VD063454.D
 Acq: 9 Aug 2019 00:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.9	37.0	111.0
157	143.5	52.4	157.2

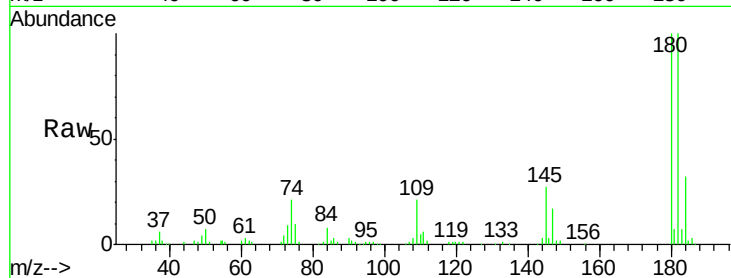




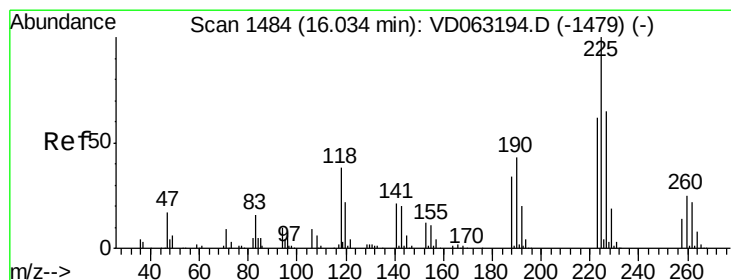
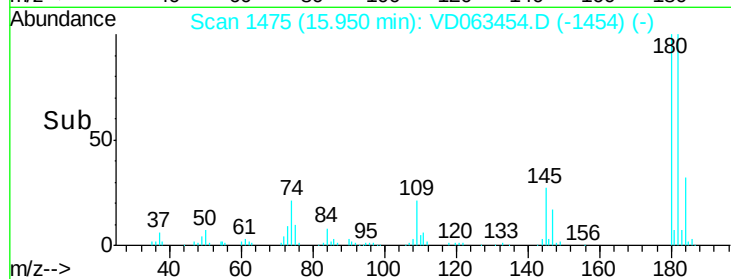
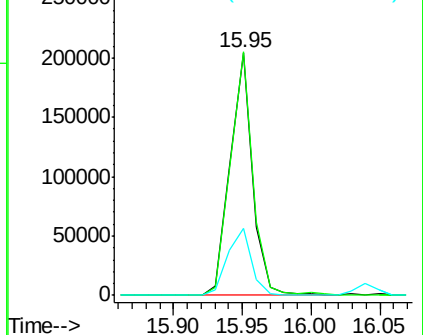
#93
 1,2,4-Trichlorobenzene
 Concen: 19.224 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD063454.D
 Acq: 9 Aug 2019 00:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBS02

Tot Ion:180 Resp: 231427
 Ion Ratio Lower Upper
 180 100
 182 100.4 48.6 145.8
 145 27.5 12.2 36.6

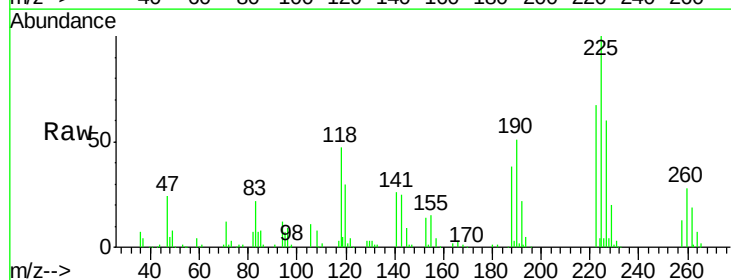


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

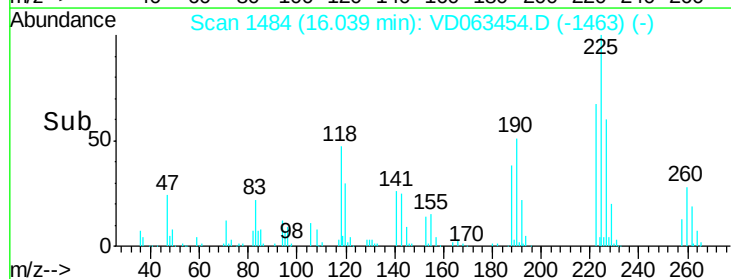
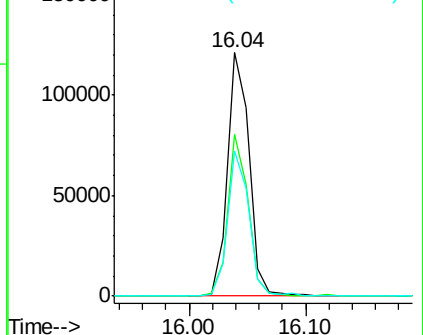


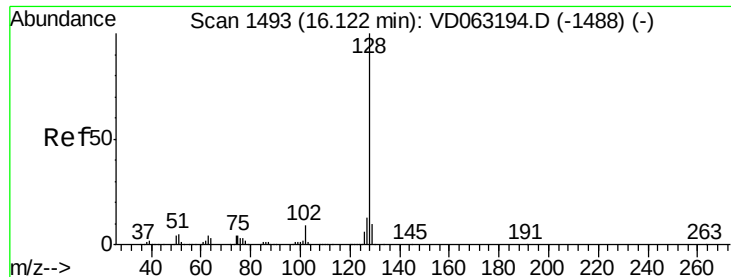
#94
 Hexachlorobutadiene
 Concen: 17.975 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD063454.D
 Acq: 9 Aug 2019 00:14

Tgt Ion:225 Resp: 156814
 Ion Ratio Lower Upper
 225 100
 223 66.6 30.9 92.5
 227 59.6 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: 22.642 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBS02

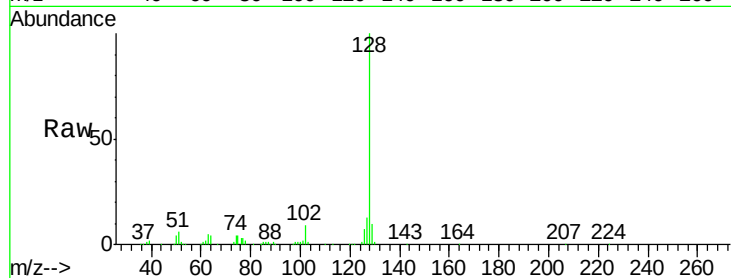
Tot Ion:128 Resp: 385253

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

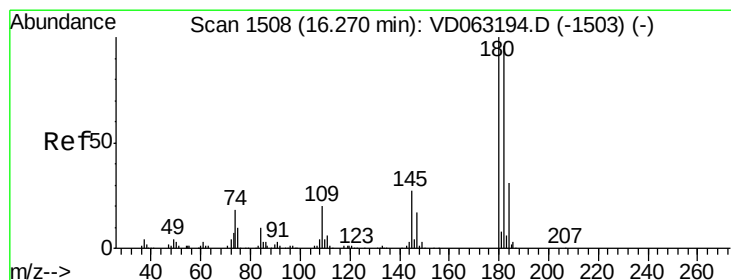
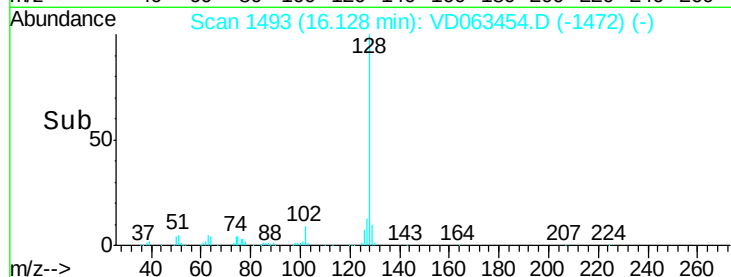
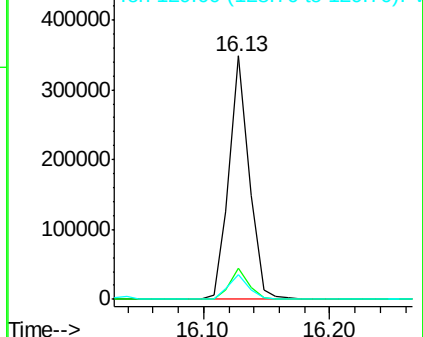
129 10.0 7.8 11.8



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: 19.772 ug/l

RT: 16.28 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VD063454.D

Acq: 9 Aug 2019 00:14

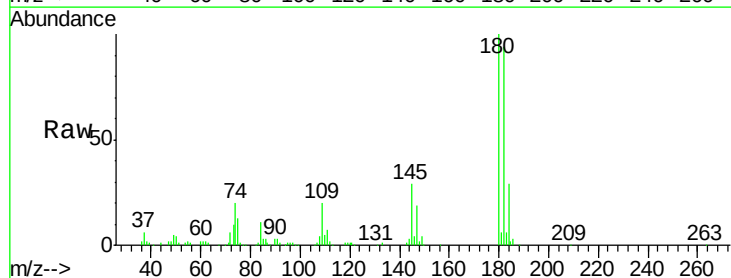
Tgt Ion:180 Resp: 188032

Ion Ratio Lower Upper

180 100

182 93.9 48.3 144.9

145 29.1 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

