

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
 Data File : VD063257.D
 Acq On : 31 Jul 2019 00:11
 Operator : VA/AP
 Sample : VD0730SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS02

Quant Time: Jul 31 04:59:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	912338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1230707	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1080143	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	585930	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	537151	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	
35) Dibromofluoromethane	6.91	113	565580	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
50) Toluene-d8	10.40	98	1264564	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	
62) 4-Bromofluorobenzene	13.55	95	531659	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	226172	20.281	ug/l	94
3) Chloromethane	1.73	50	187589	21.650	ug/l #	89
4) Vinyl Chloride	1.83	62	167532	18.677	ug/l	98
5) Bromomethane	2.13	94	78551	17.364	ug/l	98
6) Chloroethane	2.24	64	80817	19.515	ug/l	93
7) Trichlorofluoromethane	2.51	101	326810	18.781	ug/l	98
8) Diethyl Ether	2.86	74	53158	21.828	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.12	101	201935	20.949	ug/l	90
10) Methyl Iodide	3.28	142	256198	18.398	ug/l	97
11) Tert butyl alcohol	4.07	59	46840	105.434	ug/l	97
12) 1,1-Dichloroethene	3.10	96	141047	19.932	ug/l	97
13) Acrolein	3.01	56	45362	106.096	ug/l	89
14) Allyl chloride	3.60	41	231694	20.553	ug/l	91
15) Acrylonitrile	4.18	53	130774	113.541	ug/l	98
16) Acetone	3.21	43	194755	98.740	ug/l	96
17) Carbon Disulfide	3.35	76	459865	19.415	ug/l	100
18) Methyl Acetate	3.62	43	96544	25.482	ug/l	94
19) Methyl tert-butyl Ether	4.23	73	353985	22.145	ug/l	93
20) Methylene Chloride	3.79	84	163725	20.536	ug/l	95
21) trans-1,2-Dichloroethene	4.20	96	158248	19.930	ug/l	95
22) Diisopropyl ether	5.10	45	505837	22.459	ug/l	97
23) Vinyl Acetate	5.03	43	1542465	111.414	ug/l	100
24) 1,1-Dichloroethane	4.95	63	302190	21.006	ug/l	95
25) 2-Butanone	6.06	43	217475	109.865	ug/l	91
26) 2,2-Dichloropropane	6.01	77	270029	18.214	ug/l	99
27) cis-1,2-Dichloroethene	6.02	96	182813	21.475	ug/l	85
28) Bromochloromethane	6.42	49	130233	22.721	ug/l #	99
29) Tetrahydrofuran	6.44	42	111341	118.804	ug/l	97
30) Chloroform	6.65	83	394512	22.097	ug/l	94
31) Cyclohexane	6.94	56	162249	17.993	ug/l	87
32) 1,1,1-Trichloroethane	6.85	97	347489	20.122	ug/l	95
36) 1,1-Dichloropropene	7.13	75	223286	19.880	ug/l	94
37) Ethyl Acetate	6.16	43	110593	21.917	ug/l #	92
38) Carbon Tetrachloride	7.09	117	333043	19.696	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
 Data File : VD063257.D
 Acq On : 31 Jul 2019 00:11
 Operator : VA/AP
 Sample : VD0730SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS02

Quant Time: Jul 31 04:59:23 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)
39) Methylcyclohexane	8.85	83	177315	18.948	ug/l	95
40) Benzene	7.43	78	492271	20.912	ug/l	95
41) Methacrylonitrile	6.44	41	145407	24.090	ug/l #	93
42) 1,2-Dichloroethane	7.56	62	270519	21.684	ug/l	99
43) Isopropyl Acetate	9.23	43	133671	20.738	ug/l #	99
44) Trichloroethene	8.53	130	199270	20.891	ug/l	88
45) 1,2-Dichloropropane	8.92	63	133094	22.245	ug/l	100
46) Dibromomethane	9.05	93	113006	22.715	ug/l #	81
47) Bromodichloromethane	9.36	83	294204	23.199	ug/l	97
48) Methyl methacrylate	9.11	41	100083	23.941	ug/l #	83
49) 1,4-Dioxane	9.09	88	17950	504.838	ug/l #	79
51) 4-Methyl-2-Pentanone	10.29	43	493398	112.555	ug/l	96
52) Toluene	10.50	92	328221	20.964	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	236141	21.598	ug/l	100
54) cis-1,3-Dichloropropene	10.02	75	257497	22.409	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	133106	25.173	ug/l #	86
56) Ethyl methacrylate	11.03	69	124128	21.438	ug/l	95
57) 1,3-Dichloropropane	11.39	76	173304	20.802	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.85	63	346150	114.892	ug/l	94
59) 2-Hexanone	11.52	43	352896	111.711	ug/l	90
60) Dibromochloromethane	11.68	129	211493	21.187	ug/l	98
61) 1,2-Dibromoethane	11.80	107	149498	22.913	ug/l	94
64) Tetrachloroethene	11.24	164	183595	21.336	ug/l	98
65) Chlorobenzene	12.39	112	433717	20.876	ug/l	95
66) 1,1,1,2-Tetrachloroethane	12.50	131	200192	21.875	ug/l	97
67) Ethyl Benzene	12.51	91	756554	21.436	ug/l	97
68) m/p-Xylenes	12.66	106	544583	42.074	ug/l	93
69) o-Xylene	13.05	106	252660	21.257	ug/l	95
70) Styrene	13.07	104	445819	21.150	ug/l	96
71) Bromoform	13.22	173	134940	20.276	ug/l #	96
73) Isopropylbenzene	13.40	105	758645	20.630	ug/l	97
74) N-amyl acetate	13.26	43	194770	20.034	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	142021	22.735	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	141323	20.081	ug/l	98
77) Bromobenzene	13.67	156	207172	19.776	ug/l	85
78) n-propylbenzene	13.76	91	802966	18.348	ug/l	96
79) 2-Chlorotoluene	13.83	91	536204	21.146	ug/l	93
80) 1,3,5-Trimethylbenzene	13.92	105	642029	20.242	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	38625	19.765	ug/l	85
82) 4-Chlorotoluene	13.94	91	600555	20.124	ug/l	99
83) tert-Butylbenzene	14.19	119	708421	19.561	ug/l	93
84) 1,2,4-Trimethylbenzene	14.23	105	663407	20.221	ug/l	100
85) sec-Butylbenzene	14.36	105	761310	19.952	ug/l	99
86) p-Isopropyltoluene	14.48	119	692175	19.006	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	375203	20.224	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	399716	21.306	ug/l	96
89) n-Butylbenzene	14.79	91	610898	19.422	ug/l	97
90) Hexachloroethane	15.00	117	173238	18.258	ug/l	80
91) 1,2-Dichlorobenzene	14.80	146	334528	20.696	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	27549	21.651	ug/l	65

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD073019\
Data File : VD063257.D
Acq On : 31 Jul 2019 00:11
Operator : VA/AP
Sample : VD0730SBS02
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS02

Quant Time: Jul 31 04:59:23 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration

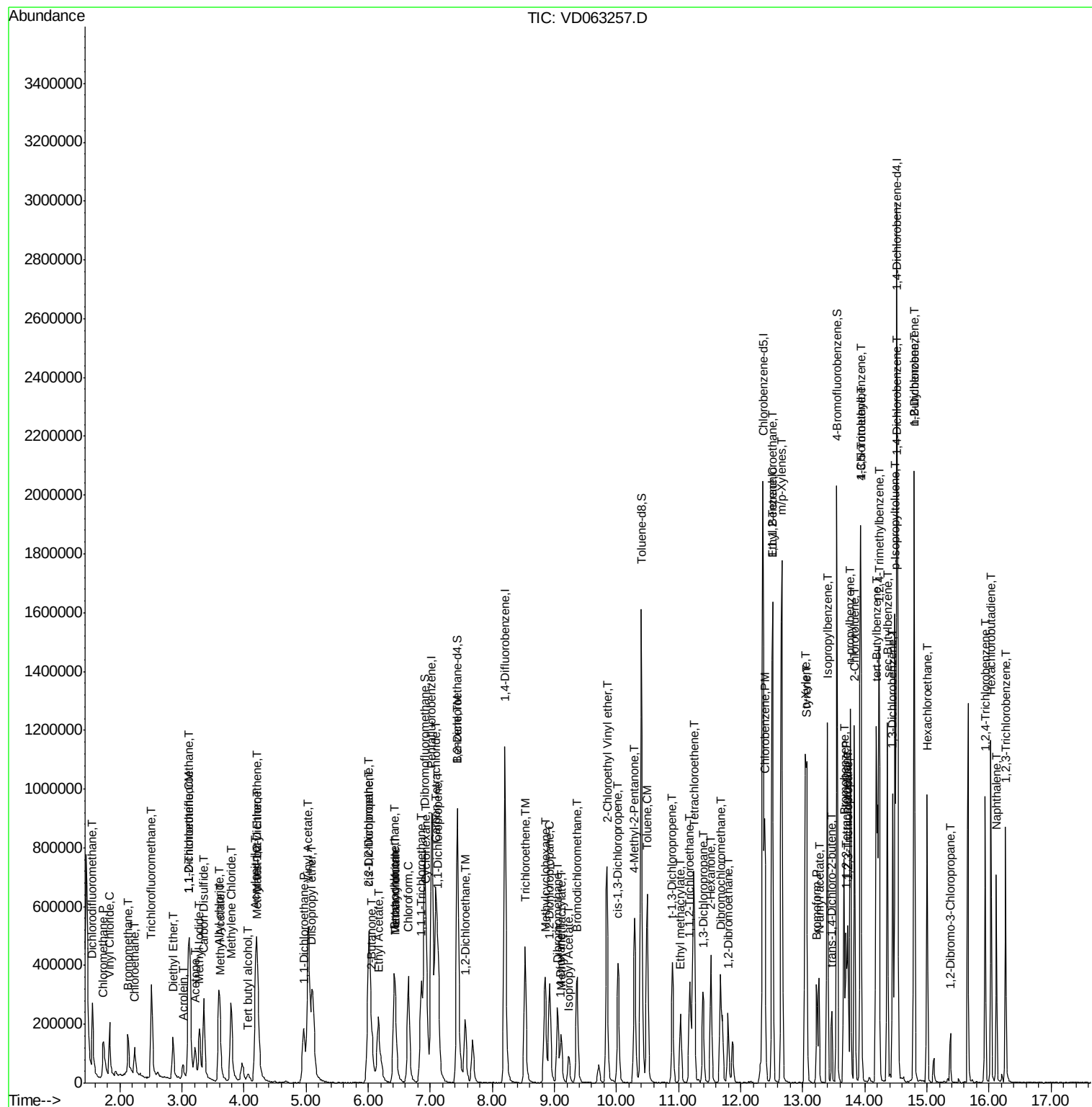
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	248818	19.404	ug/l	100
94) Hexachlorobutadiene	16.03	225	179424	19.308	ug/l	98
95) Naphthalene	16.12	128	396291	21.865	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	213759	21.101	ug/l	98

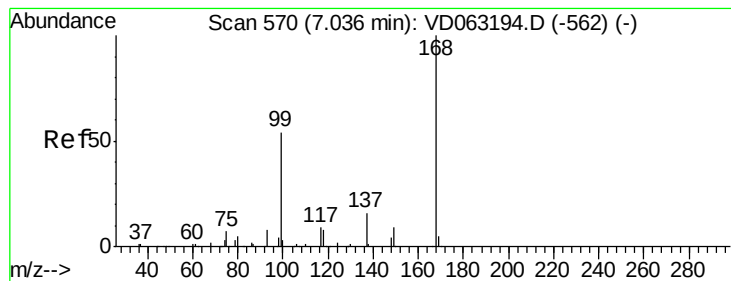
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD073019\
Data File : VD063257.D
Acq On : 31 Jul 2019 00:11
Operator : VA/AP
Sample : VD0730SBS02
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS02

Quant Time: Jul 31 04:59:23 2019
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: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD063257.D

Acq: 31 Jul 2019 00:11

Instrument :

MSVOA_D

ClientSampleId :

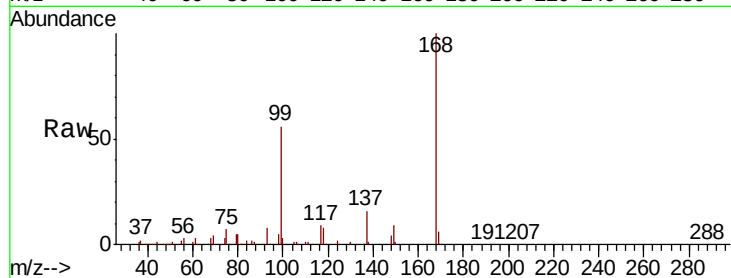
VD0730SBS02

Tot Ion:168 Resp: 912338

Ion Ratio Lower Upper

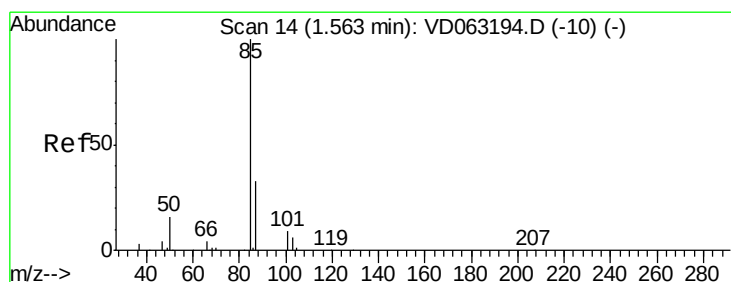
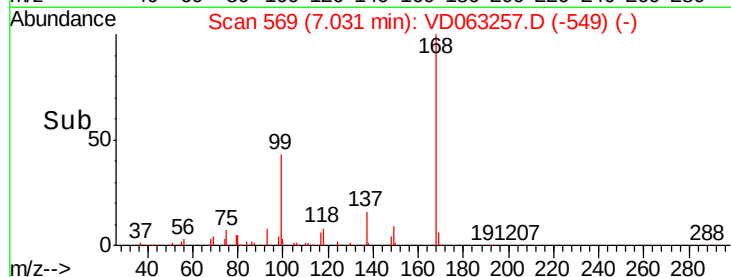
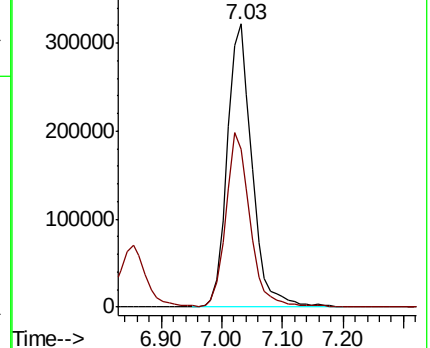
168 100

99 56.0 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 20.281 ug/l

RT: 1.56 min Scan# 13

Delta R.T. -0.01 min

Lab File: VD063257.D

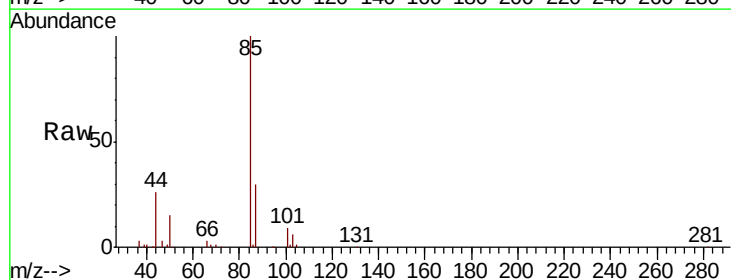
Acq: 31 Jul 2019 00:11

Tgt Ion: 85 Resp: 226172

Ion Ratio Lower Upper

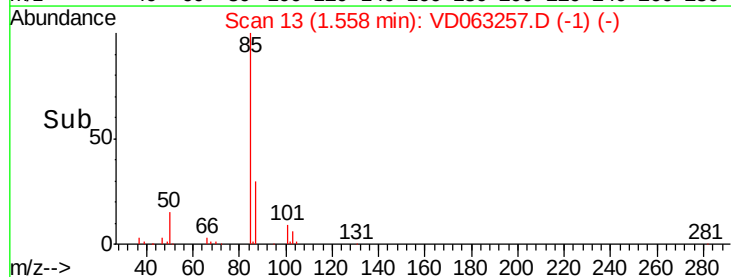
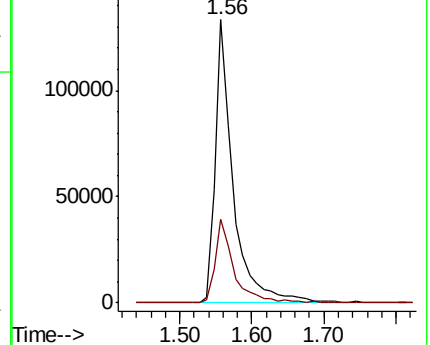
85 100

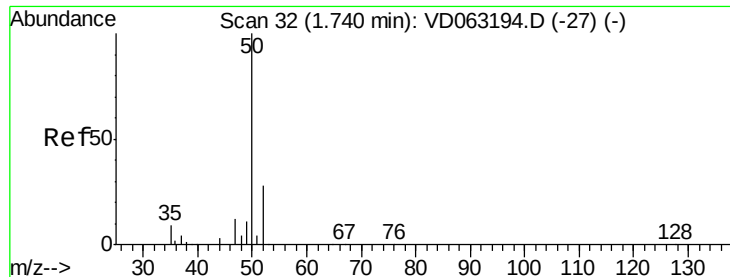
87 29.7 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.650 ug/l

RT: 1.73 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD063257.D

Acq: 31 Jul 2019 00:11

Instrument :

MSVOA_D

ClientSampleId :

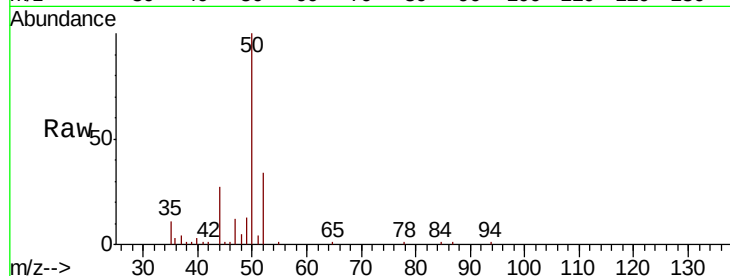
VD0730SBS02

Tot Ion: 50 Resp: 187589

Ion Ratio Lower Upper

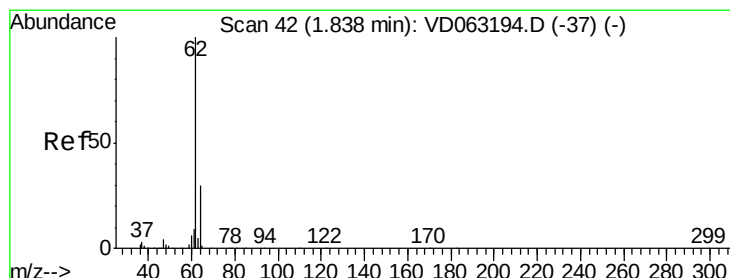
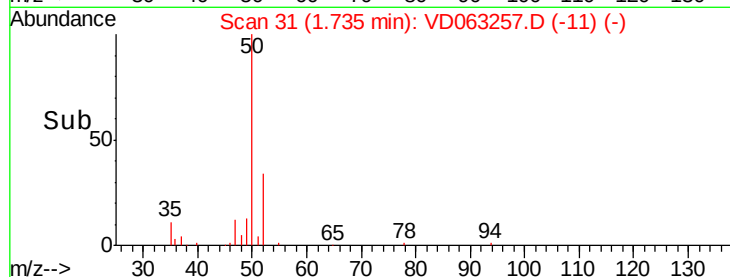
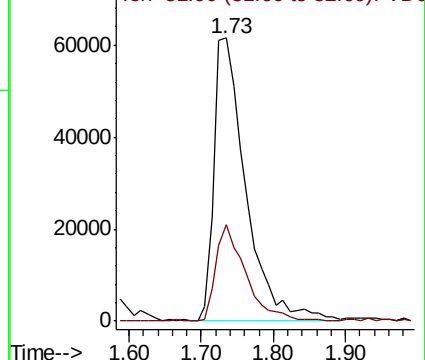
50 100

52 34.1 22.6 34.0#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.677 ug/l

RT: 1.83 min Scan# 41

Delta R.T. -0.01 min

Lab File: VD063257.D

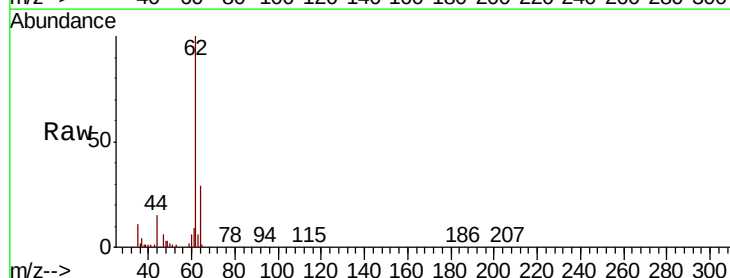
Acq: 31 Jul 2019 00:11

Tgt Ion: 62 Resp: 167532

Ion Ratio Lower Upper

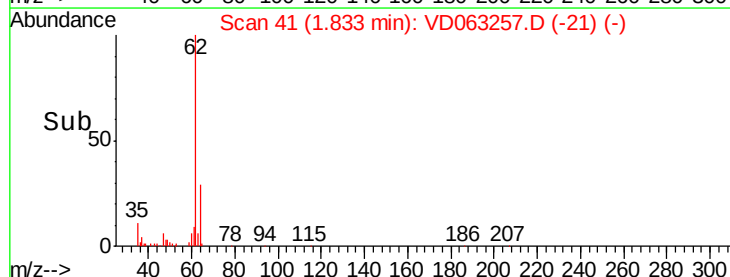
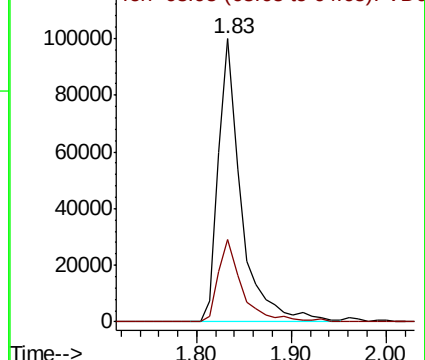
62 100

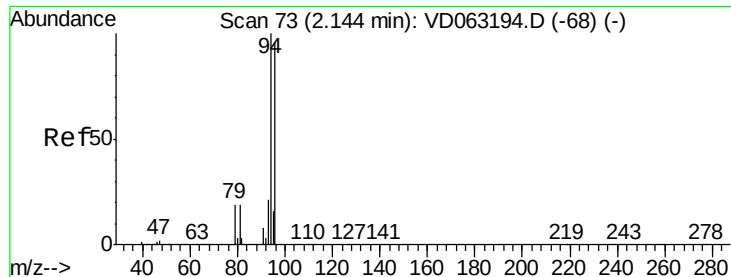
64 29.1 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.364 ug/l

RT: 2.13 min Scan# 71

Delta R.T. -0.02 min

Lab File: VD063257.D

Acq: 31 Jul 2019 00:11

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS02

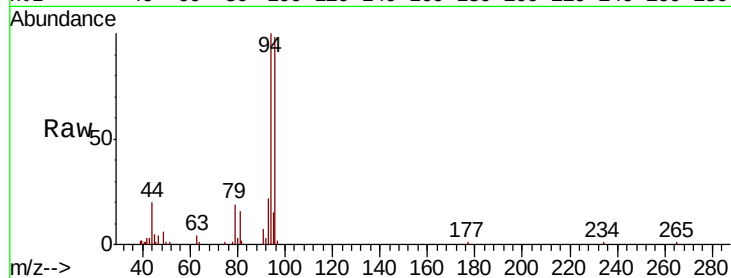
Tot Ion: 94 Resp: 78551

Ion Ratio Lower Upper

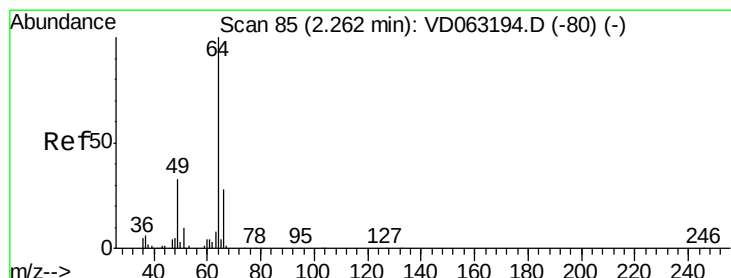
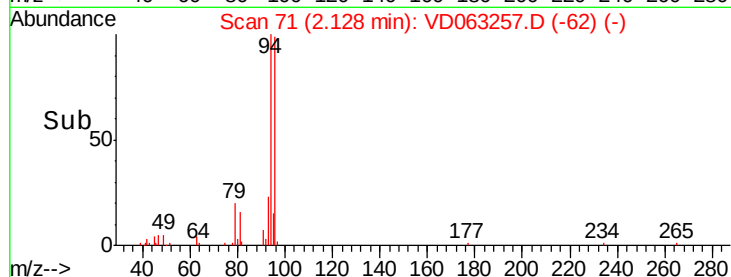
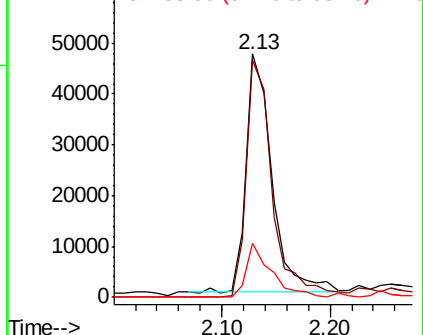
94 100

96 97.7 76.4 114.6

93 22.2 17.3 25.9



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



#6

Chloroethane

Concen: 19.515 ug/l

RT: 2.24 min Scan# 82

Delta R.T. -0.02 min

Lab File: VD063257.D

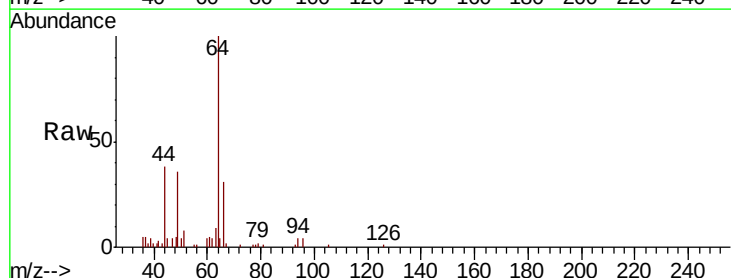
Acq: 31 Jul 2019 00:11

Tgt Ion: 64 Resp: 80817

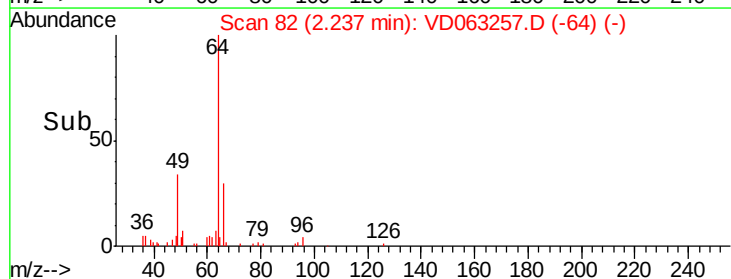
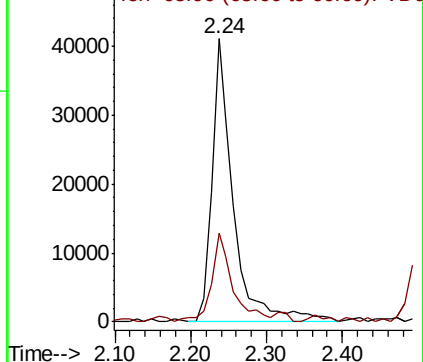
Ion Ratio Lower Upper

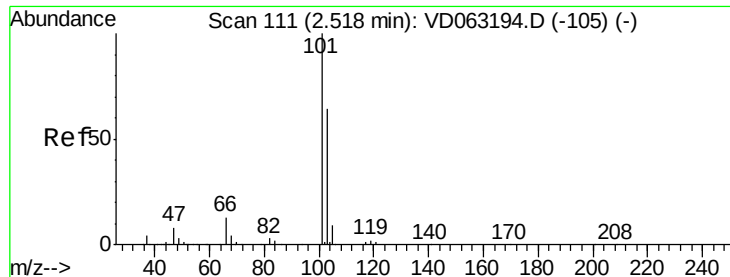
64 100

66 31.4 22.2 33.2



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



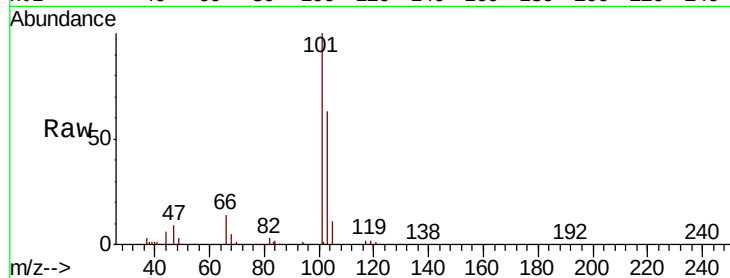


#7

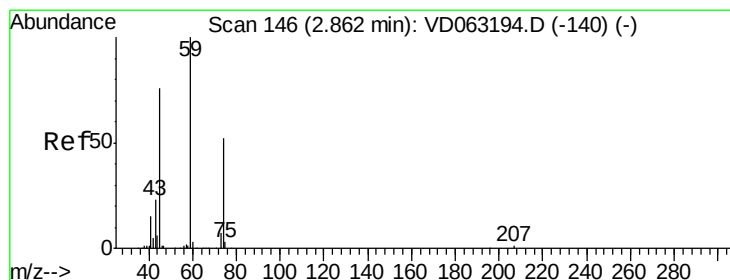
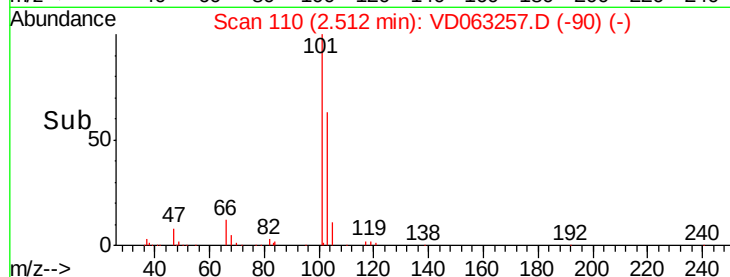
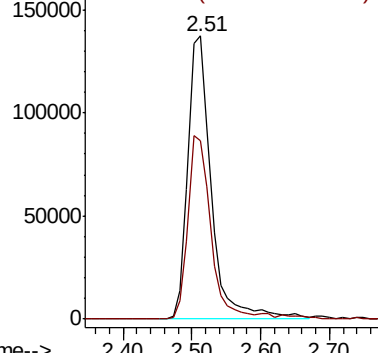
Trichlorofluoromethane
 Concen: 18.781 ug/l
 RT: 2.51 min Scan# 110
 Delta R.T. -0.01 min
 Lab File: VD063257.D
 Acq: 31 Jul 2019 00:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS02

Tot Ion:101 Resp: 326810
 Ion Ratio Lower Upper
 101 100
 103 63.0 51.5 77.3



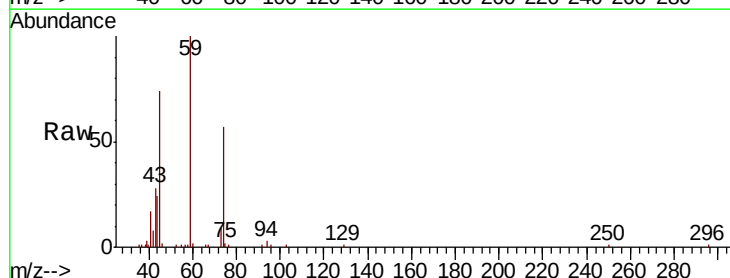
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



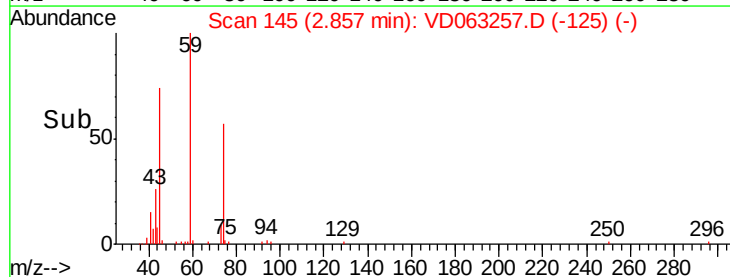
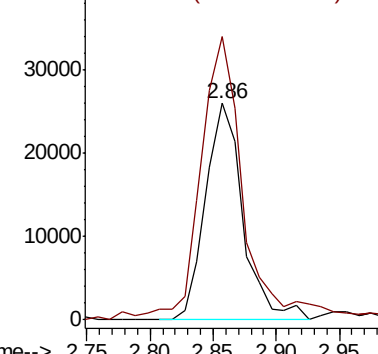
#8

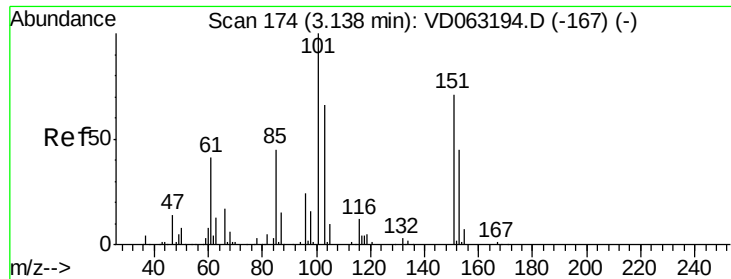
Diethyl Ether
 Concen: 21.828 ug/l
 RT: 2.86 min Scan# 145
 Delta R.T. -0.01 min
 Lab File: VD063257.D
 Acq: 31 Jul 2019 00:11

Tgt Ion: 74 Resp: 53158
 Ion Ratio Lower Upper
 74 100
 45 130.8 73.6 220.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.949 ug/l

RT: 3.12 min Scan# 172

Delta R.T. -0.02 min

Lab File: VD063257.D

Acq: 31 Jul 2019 00:11

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS02

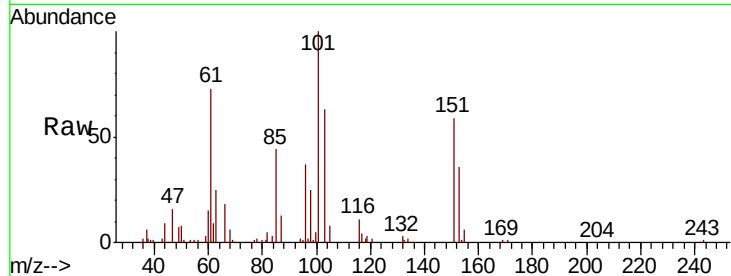
Tot Ion:101 Resp: 201935

Ion Ratio Lower Upper

101 100

85 43.8 36.1 54.1

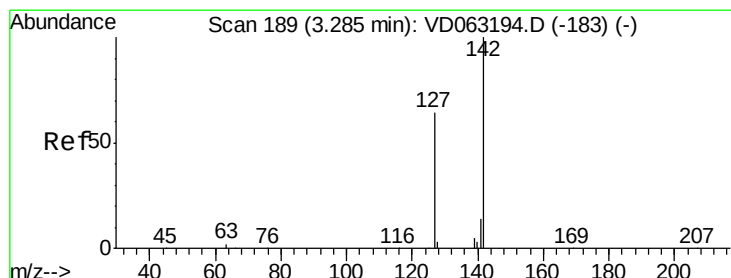
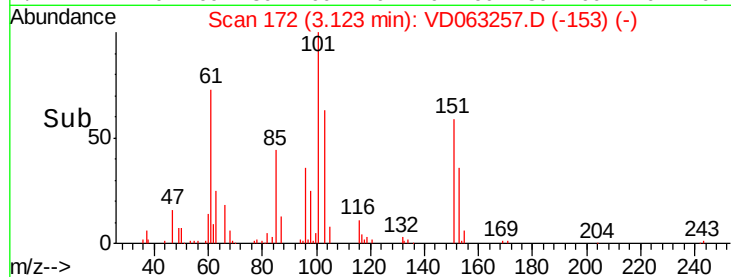
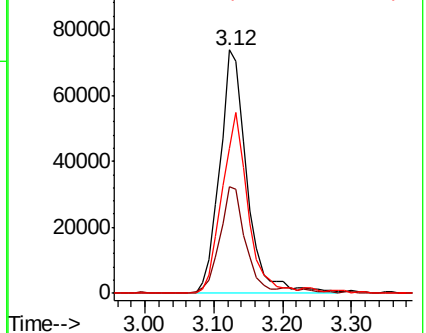
151 59.4 57.1 85.7



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: 18.398 ug/l

RT: 3.28 min Scan# 188

Delta R.T. -0.01 min

Lab File: VD063257.D

Acq: 31 Jul 2019 00:11

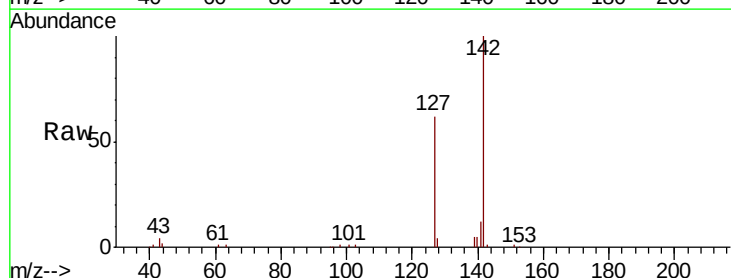
Tgt Ion:142 Resp: 256198

Ion Ratio Lower Upper

142 100

127 62.1 50.8 76.2

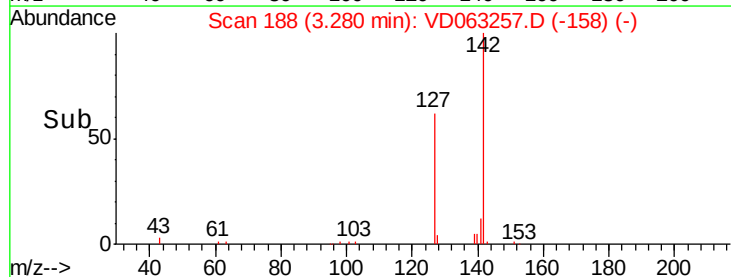
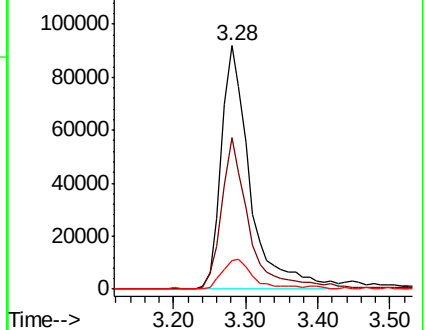
141 11.9 11.4 17.2

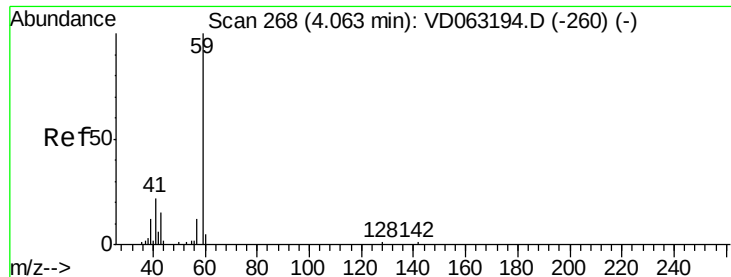


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



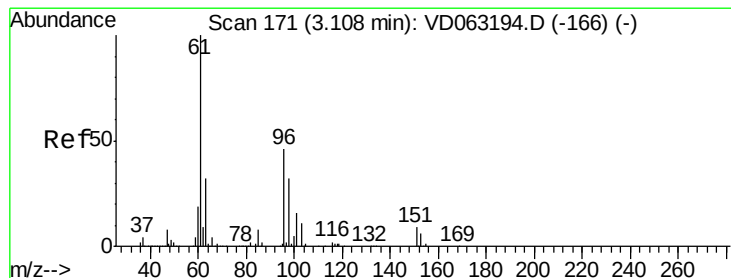
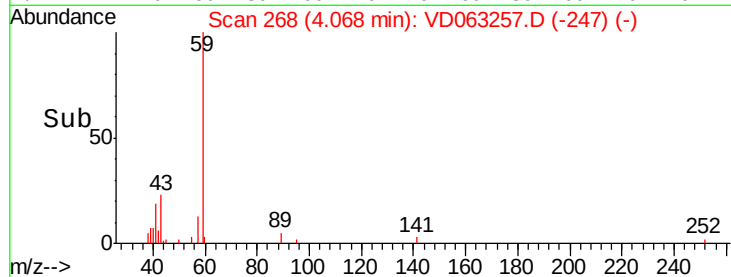
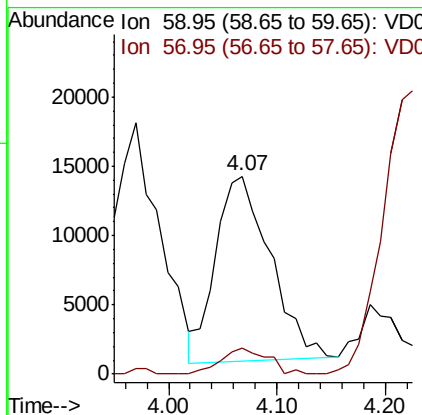
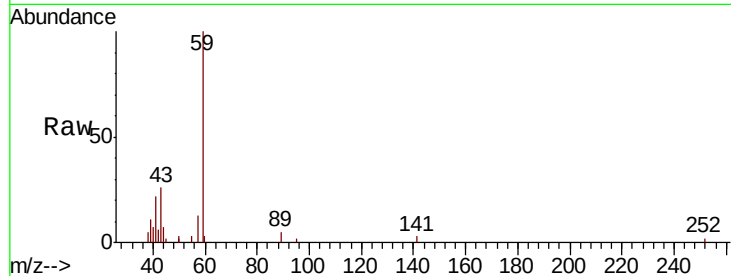


#11

Tert butyl alcohol
 Concen: 105.434 ug/l
 RT: 4.07 min Scan# 268
 Delta R.T. 0.00 min
 Lab File: VD063257.D
 Acq: 31 Jul 2019 00:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS02

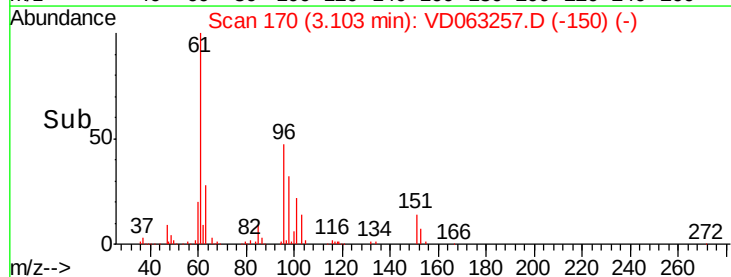
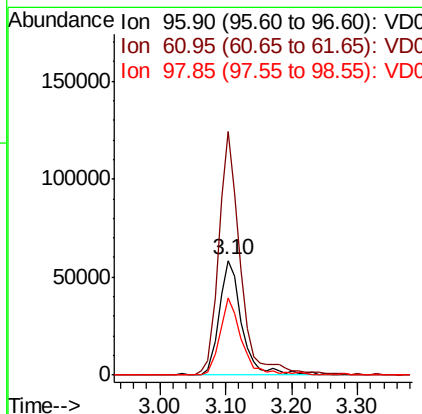
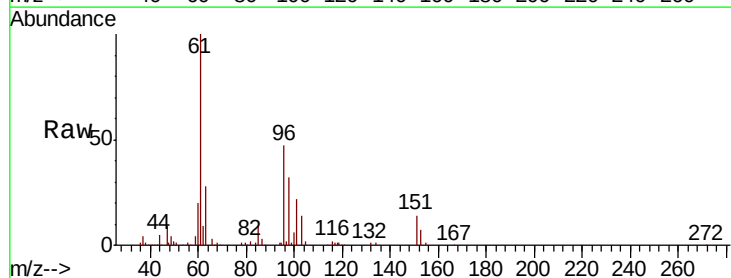
Tot Ion: 59 Resp: 46840
 Ion Ratio Lower Upper
 59 100
 57 13.0 9.6 14.4

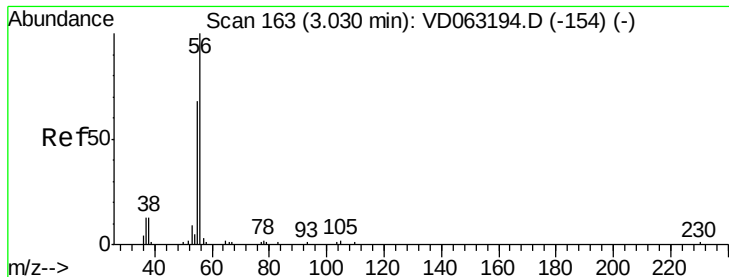


#12

1,1-Dichloroethene
 Concen: 19.932 ug/l
 RT: 3.10 min Scan# 170
 Delta R.T. -0.01 min
 Lab File: VD063257.D
 Acq: 31 Jul 2019 00:11

Tgt Ion: 96 Resp: 141047
 Ion Ratio Lower Upper
 96 100
 61 212.7 173.7 260.5
 98 67.1 55.8 83.8





#13

Acrolein

Concen: 106.096 ug/l

RT: 3.01 min Scan# 161

Delta R.T. -0.02 min

Lab File: VD063257.D

Acq: 31 Jul 2019 00:11

Instrument :

MSVOA_D

ClientSampleId :

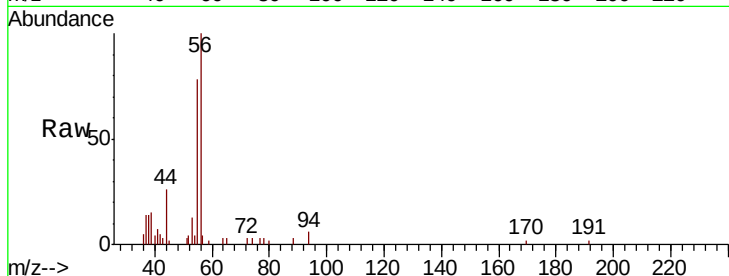
VD0730SBS02

Tot Ion: 56 Resp: 45362

Ion Ratio Lower Upper

56 100

55 78.0 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.01

20000

15000

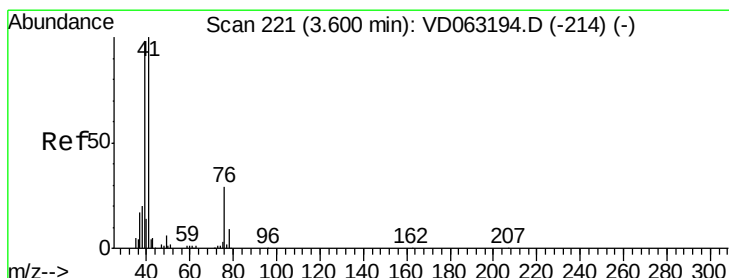
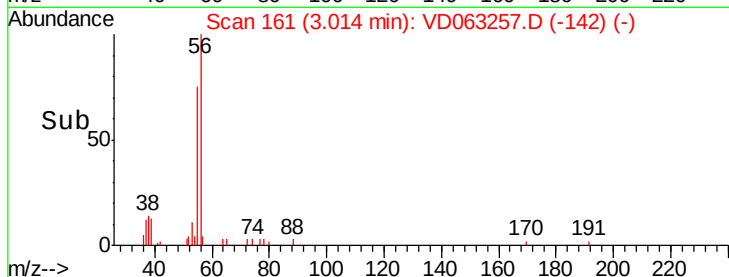
10000

5000

0

Time-->

2.90 3.00 3.10



#14

Allyl chloride

Concen: 20.553 ug/l

RT: 3.60 min Scan# 220

Delta R.T. -0.01 min

Lab File: VD063257.D

Acq: 31 Jul 2019 00:11

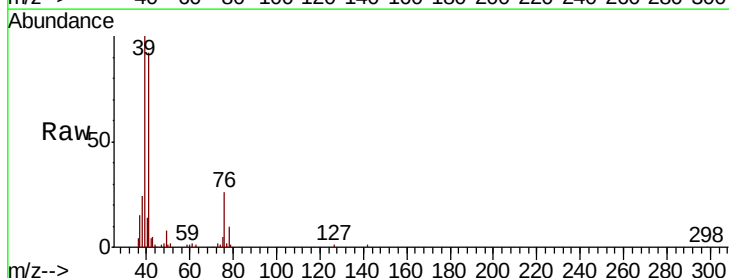
Tgt Ion: 41 Resp: 231694

Ion Ratio Lower Upper

41 100

39 108.4 78.6 117.8

76 27.8 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

3.60

120000

100000

80000

60000

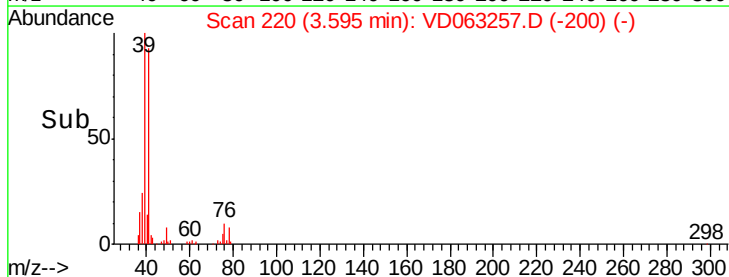
40000

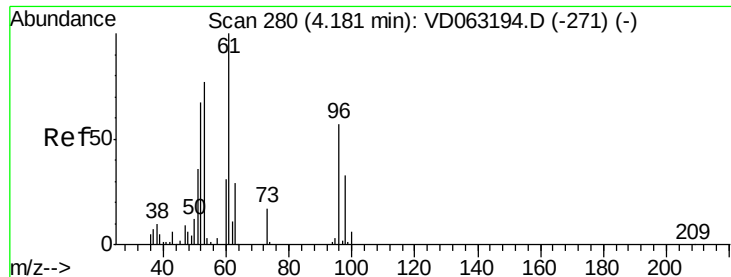
20000

0

Time-->

3.50 3.60 3.70





#15

Acrylonitrile

Concen: 113.541 ug/l

RT: 4.18 min Scan# 279

Delta R.T. -0.01 min

Lab File: VD063257.D

Acq: 31 Jul 2019 00:11

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS02

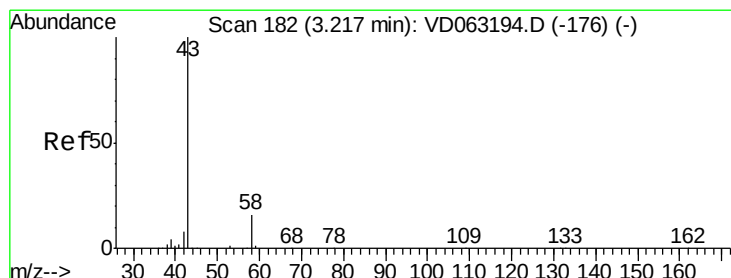
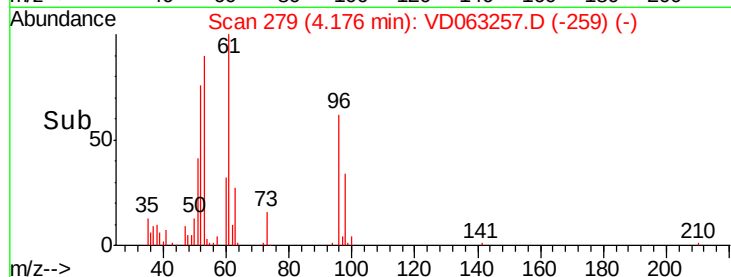
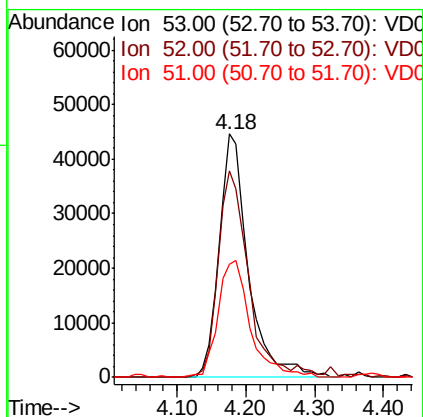
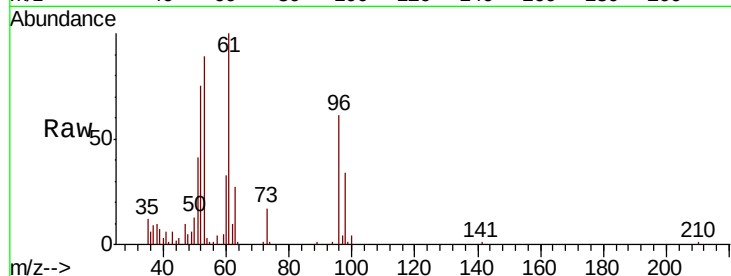
Tot Ion: 53 Resp: 130774

Ion Ratio Lower Upper

53 100

52 85.0 69.7 104.5

51 46.3 37.4 56.0



#16

Acetone

Concen: 98.740 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063257.D

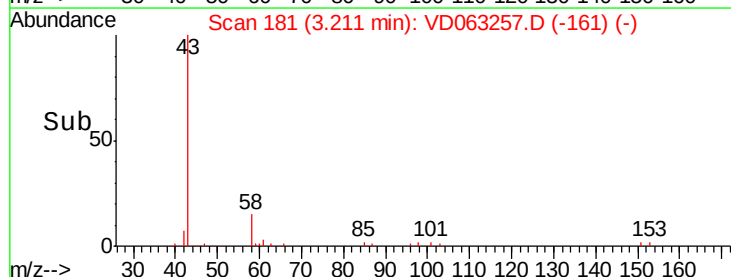
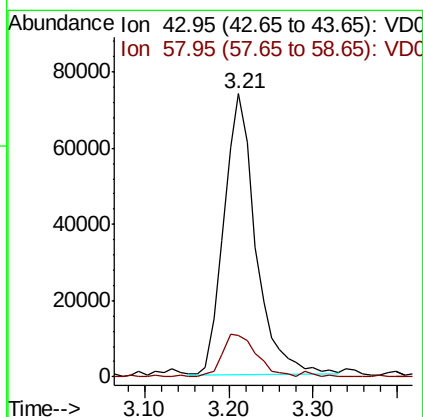
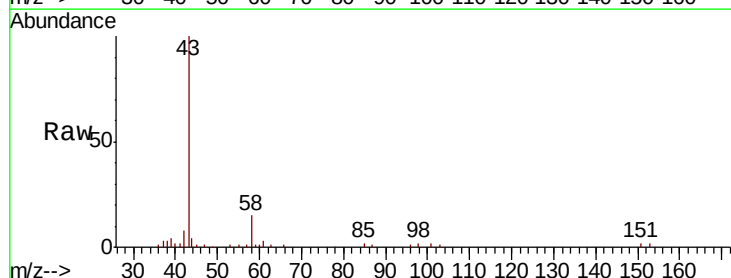
Acq: 31 Jul 2019 00:11

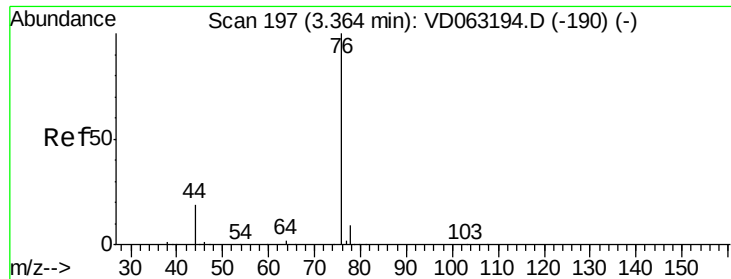
Tgt Ion: 43 Resp: 194755

Ion Ratio Lower Upper

43 100

58 14.6 13.0 19.4

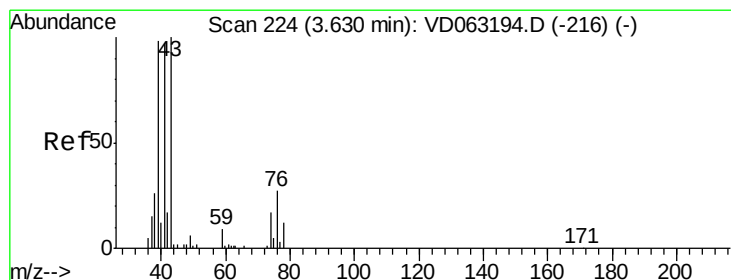
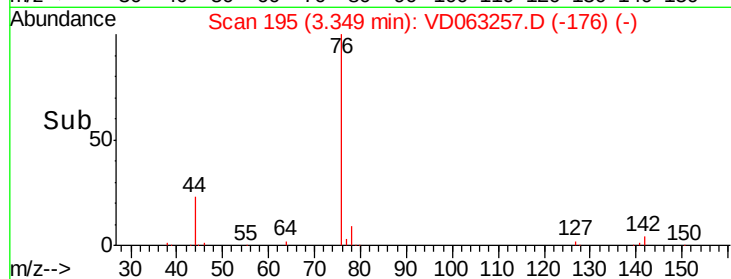
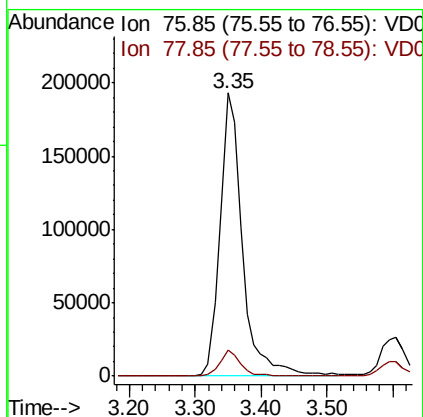
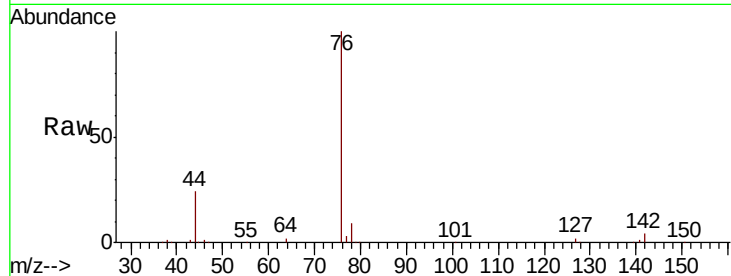




#17
Carbon Disulfide
Concen: 19.415 ug/l
RT: 3.35 min Scan# 195
Delta R.T. -0.02 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

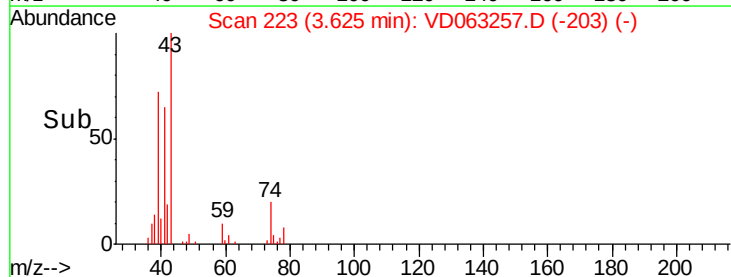
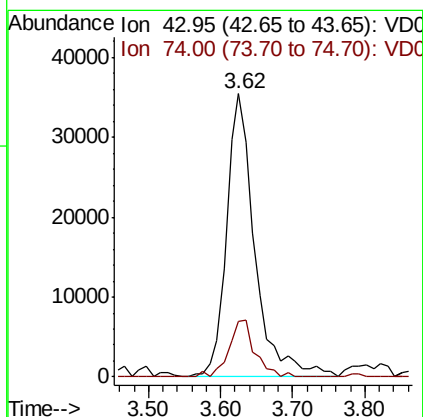
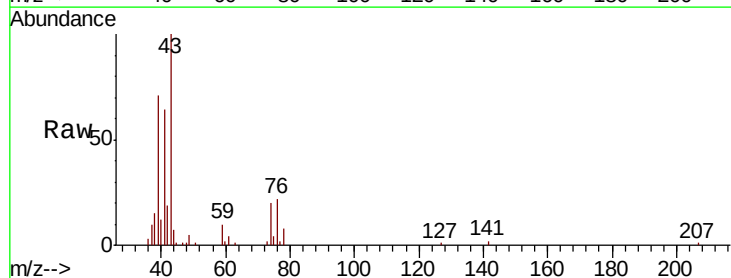
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS02

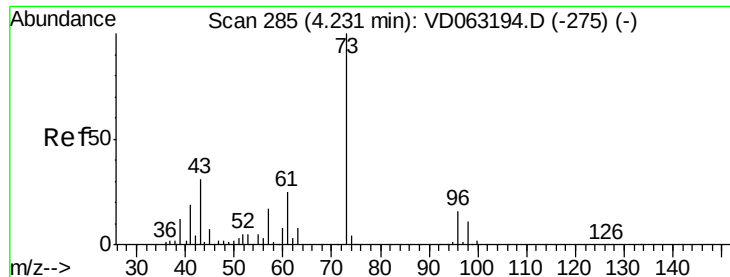
Tot Ion: 76 Resp: 459865
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2



#18
Methyl Acetate
Concen: 25.482 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.01 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

Tgt Ion: 43 Resp: 96544
Ion Ratio Lower Upper
43 100
74 19.8 13.8 20.8



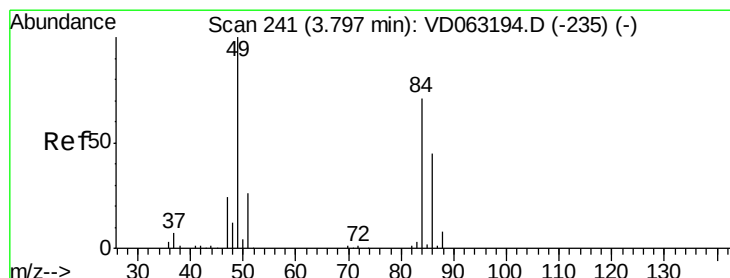
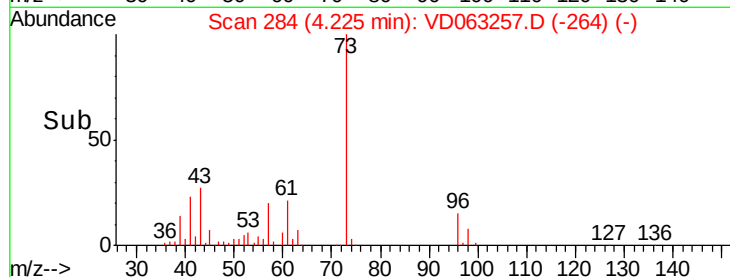
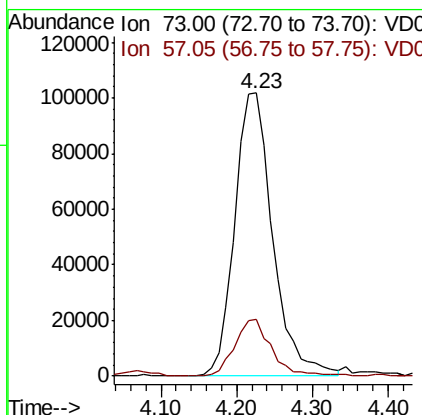
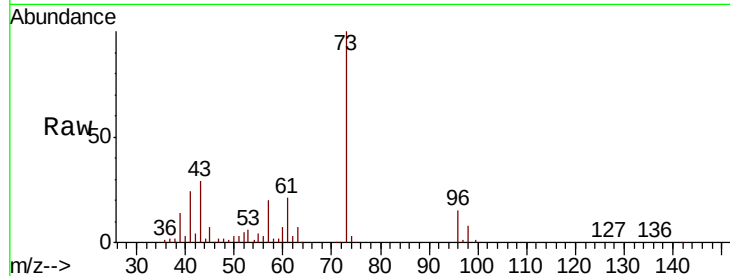


#19

Methyl tert-butyl Ether
 Concen: 22.145 ug/l
 RT: 4.23 min Scan# 284
 Delta R.T. -0.01 min
 Lab File: VD063257.D
 Acq: 31 Jul 2019 00:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS02

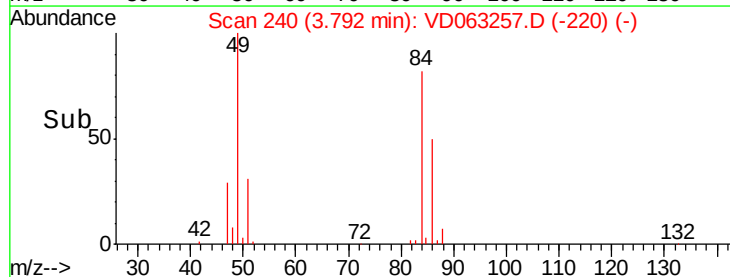
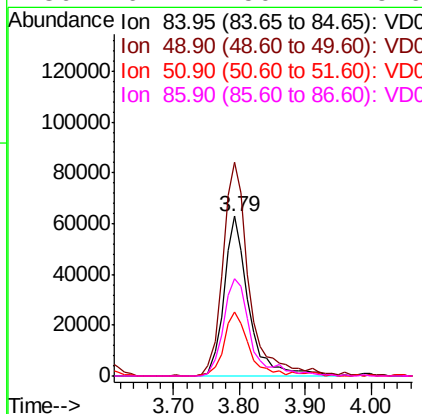
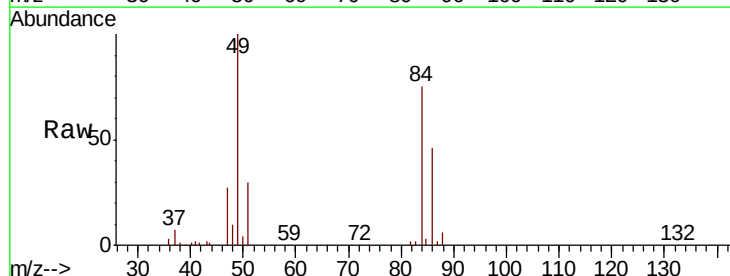
Tot Ion: 73 Resp: 353985
 Ion Ratio Lower Upper
 73 100
 57 20.1 13.8 20.6

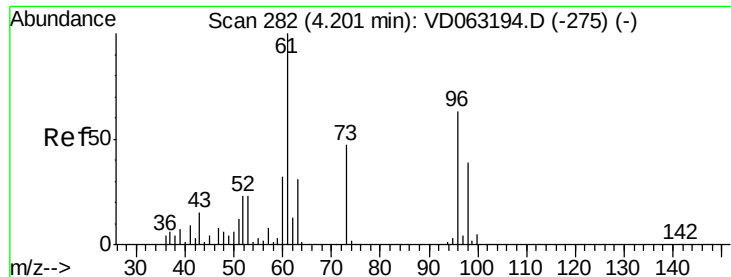


#20

Methylene Chloride
 Concen: 20.536 ug/l
 RT: 3.79 min Scan# 240
 Delta R.T. -0.01 min
 Lab File: VD063257.D
 Acq: 31 Jul 2019 00:11

Tgt Ion: 84 Resp: 163725
 Ion Ratio Lower Upper
 84 100
 49 133.8 112.5 168.7
 51 40.0 29.6 44.4
 86 61.2 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 19.930 ug/l

RT: 4.20 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD063257.D

Acq: 31 Jul 2019 00:11

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS02

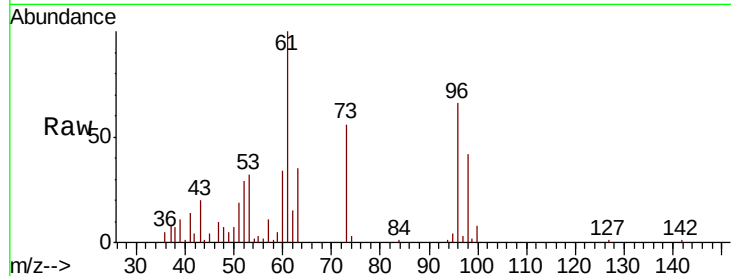
Tot Ion: 96 Resp: 158248

Ion Ratio Lower Upper

96 100

61 152.7 127.4 191.2

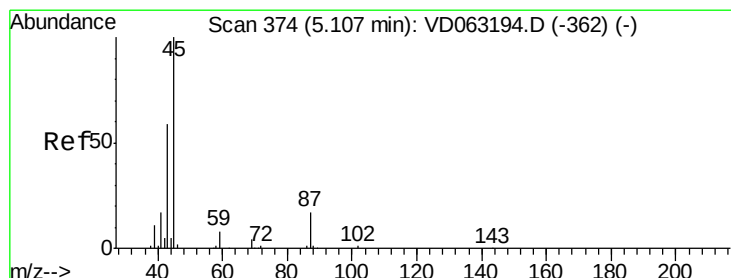
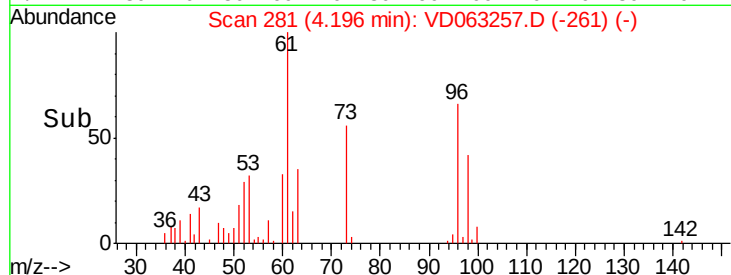
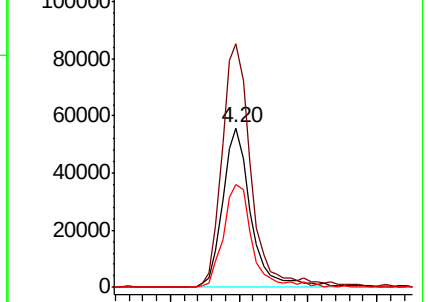
98 64.6 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 22.459 ug/l

RT: 5.10 min Scan# 373

Delta R.T. -0.01 min

Lab File: VD063257.D

Acq: 31 Jul 2019 00:11

Tgt Ion: 45 Resp: 505837

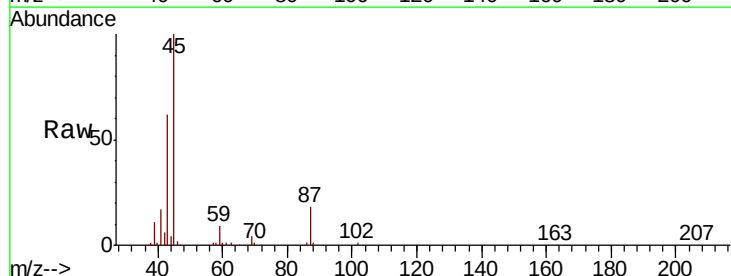
Ion Ratio Lower Upper

45 100

43 62.0 51.7 77.5

87 17.8 14.6 21.8

59 9.3 6.6 10.0

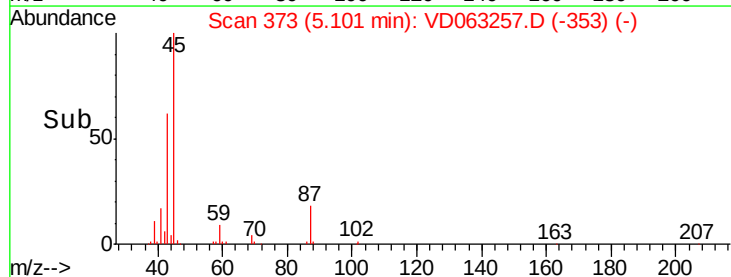
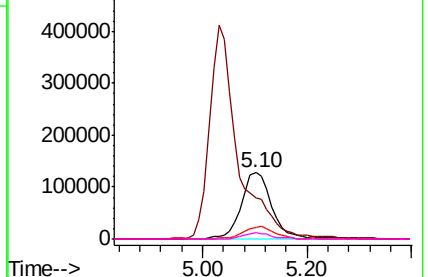


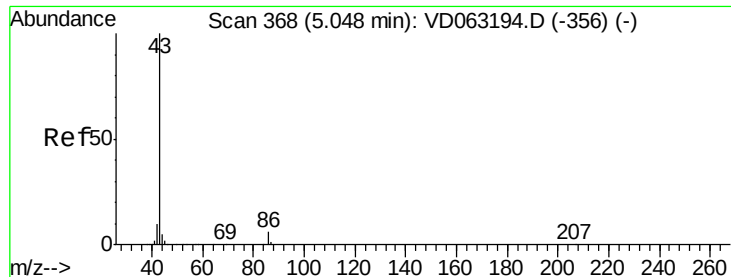
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 111.414 ug/l

RT: 5.03 min Scan# 366

Delta R.T. -0.02 min

Lab File: VD063257.D

Acq: 31 Jul 2019 00:11

Instrument :

MSVOA_D

ClientSampleId :

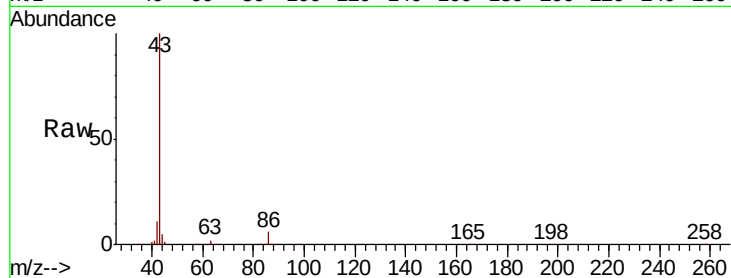
VD0730SBS02

Tot Ion: 43 Resp: 1542465

Ion Ratio Lower Upper

43 100

86 6.0 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VD063194.D (-356) (-)

Ion 86.00 (85.70 to 86.70): VD063194.D (-356) (-)

5.03

400000

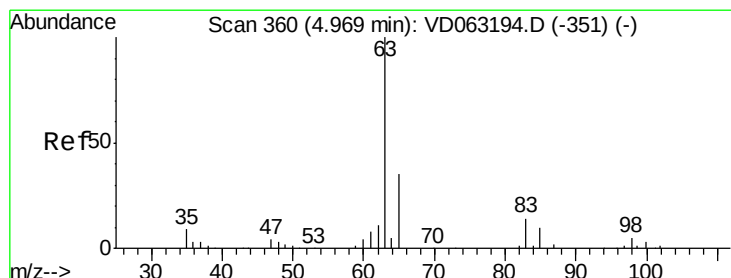
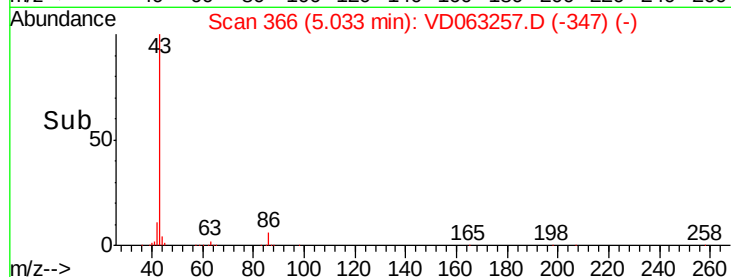
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.006 ug/l

RT: 4.95 min Scan# 358

Delta R.T. -0.02 min

Lab File: VD063257.D

Acq: 31 Jul 2019 00:11

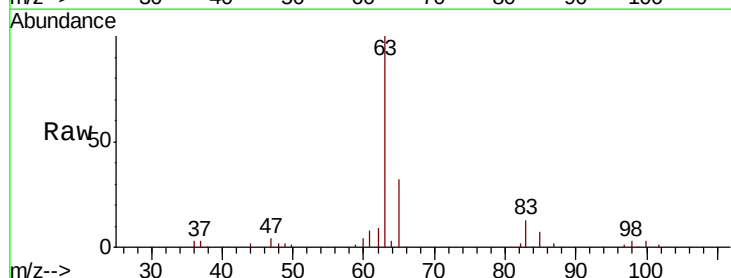
Tgt Ion: 63 Resp: 302190

Ion Ratio Lower Upper

63 100

98 3.1 2.8 8.4

100 2.7 1.3 3.9



Abundance Ion 62.95 (62.65 to 63.65): VD063194.D (-351) (-)

Ion 97.95 (97.65 to 98.65): VD063194.D (-351) (-)

Ion 99.95 (99.65 to 100.65): VD063194.D (-351) (-)

4.95

120000

100000

80000

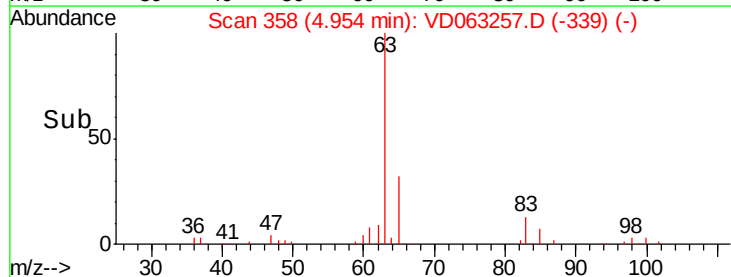
60000

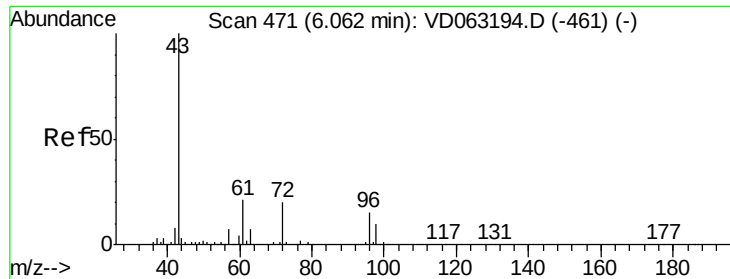
40000

20000

0

Time-->





#25

2-Butanone

Concen: 109.865 ug/l

RT: 6.06 min Scan# 470

Delta R.T. -0.01 min

Lab File: VD063257.D

Acq: 31 Jul 2019 00:11

Instrument :

MSVOA_D

ClientSampleId :

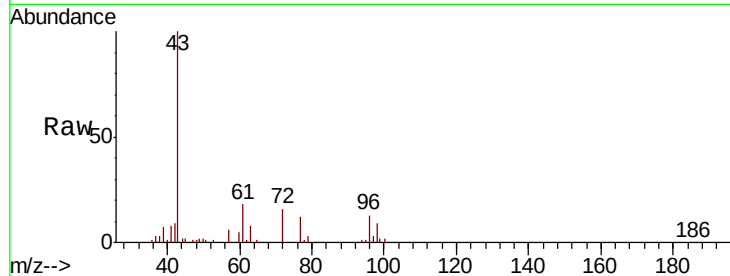
VD0730SBS02

Tot Ion: 43 Resp: 217475

Ion Ratio Lower Upper

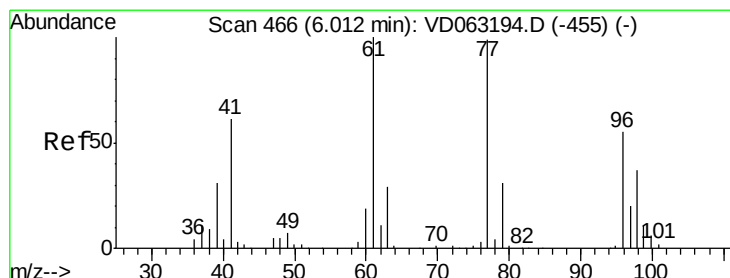
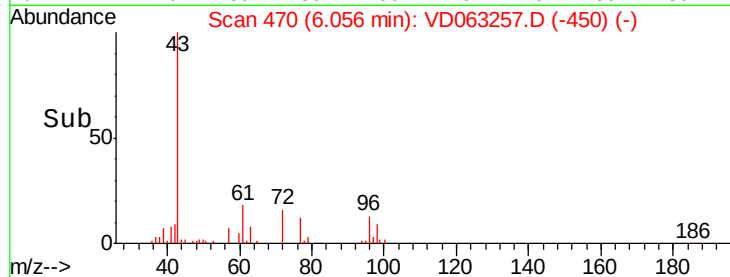
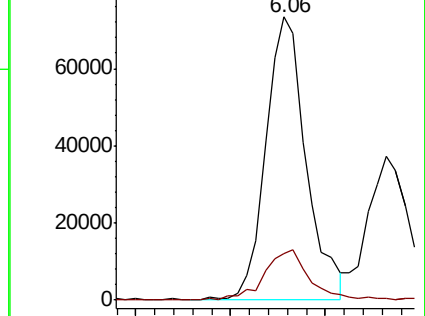
43 100

72 16.3 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: 18.214 ug/l

RT: 6.01 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD063257.D

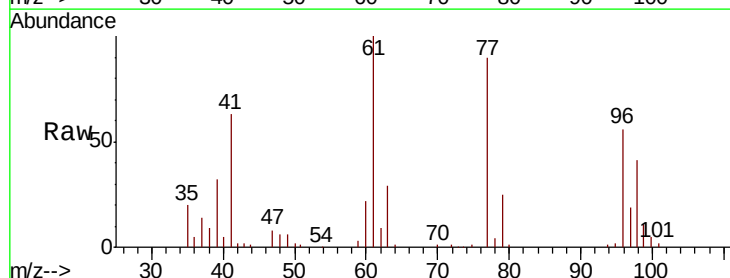
Acq: 31 Jul 2019 00:11

Tgt Ion: 77 Resp: 270029

Ion Ratio Lower Upper

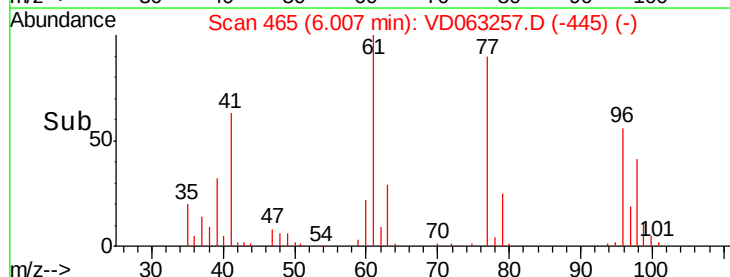
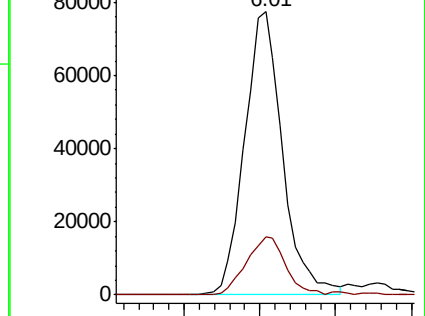
77 100

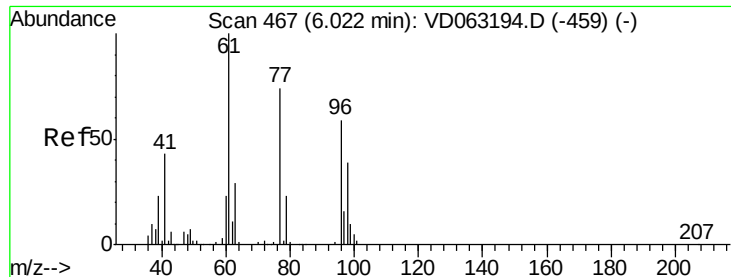
97 20.7 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



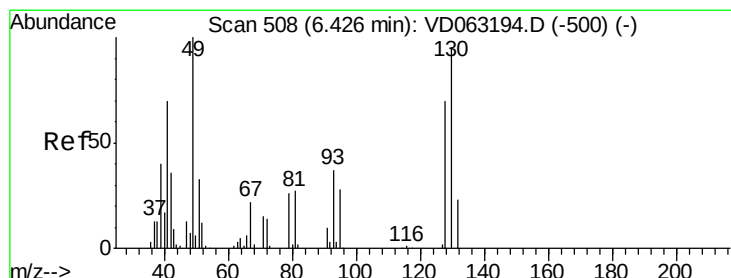
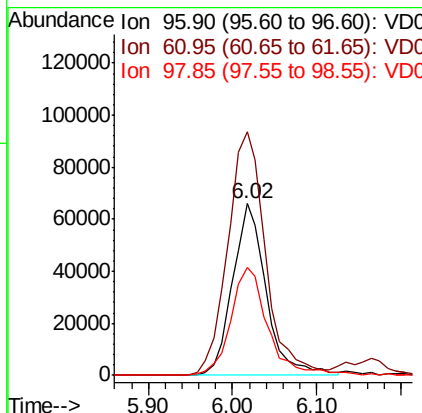
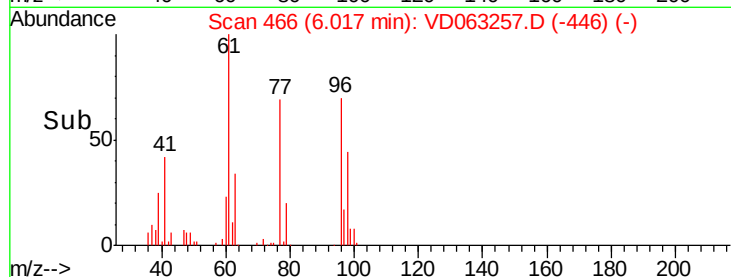
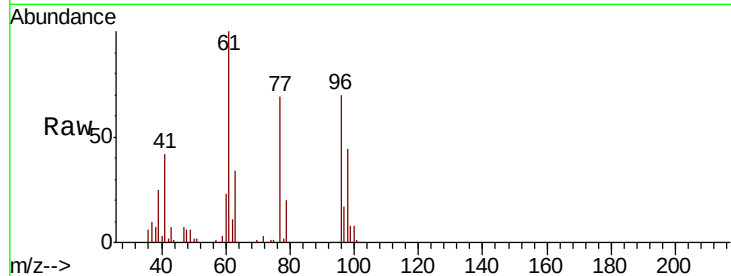


#27

cis-1,2-Dichloroethene
Concen: 21.475 ug/l
RT: 6.02 min Scan# 466
Delta R.T. -0.01 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS02

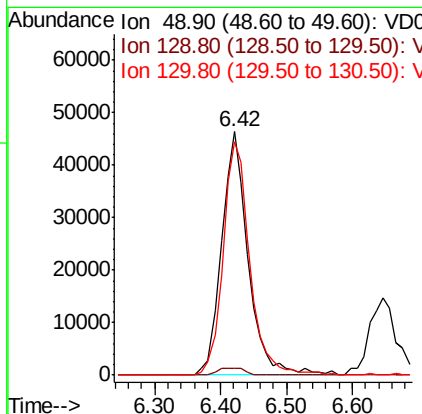
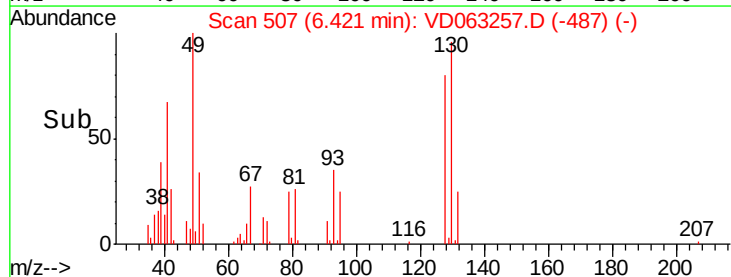
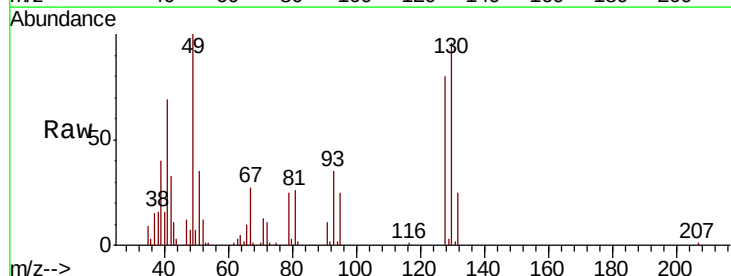
Tot Ion	96	Resp	182813
Ion	Ratio	Lower	Upper
96	100		
61	142.0	0.0	337.2
98	62.7	0.0	130.6

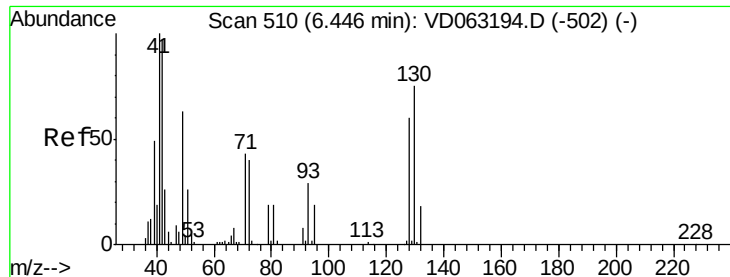


#28

Bromochloromethane
Concen: 22.721 ug/l
RT: 6.42 min Scan# 507
Delta R.T. -0.01 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

Tgt Ion	49	Resp	130233
Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	0.0#
130	96.1	75.7	113.5

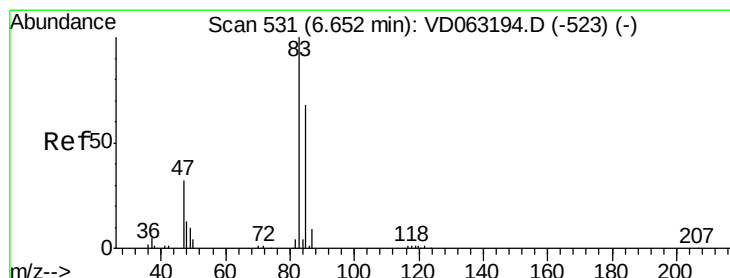
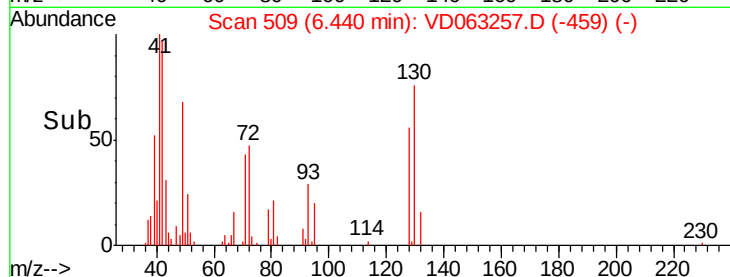
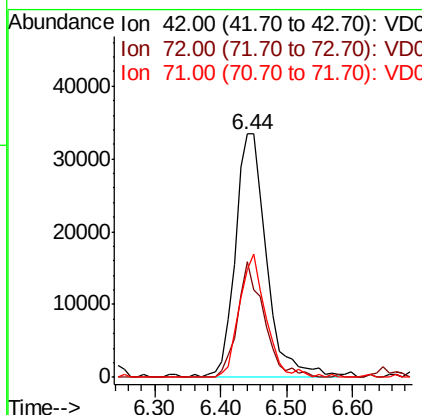
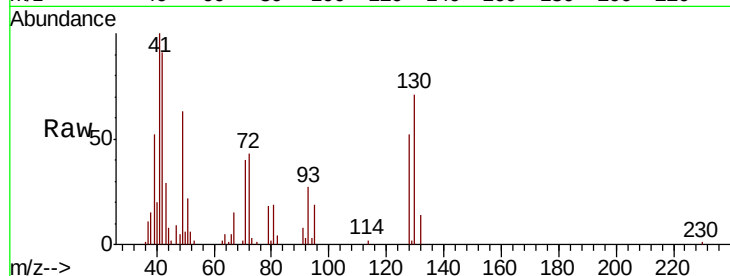




#29
Tetrahydrofuran
Concen: 118.804 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

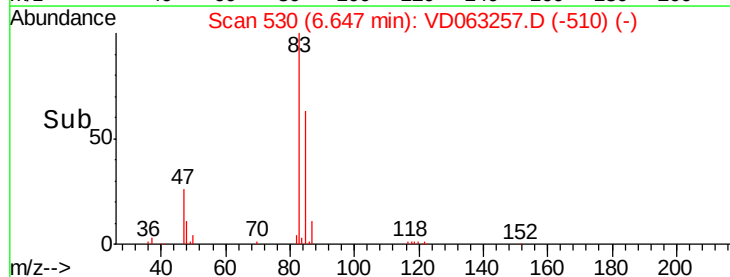
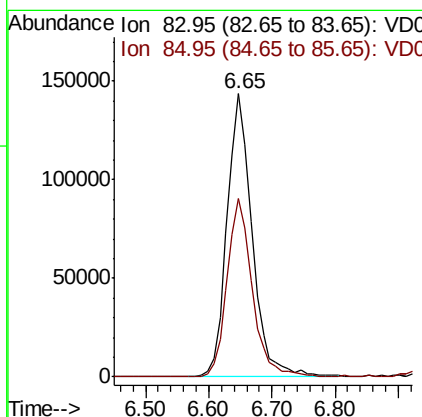
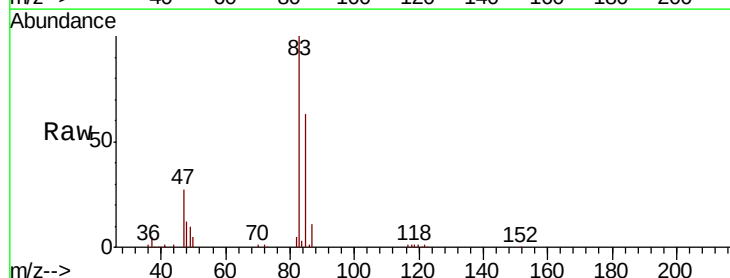
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS02

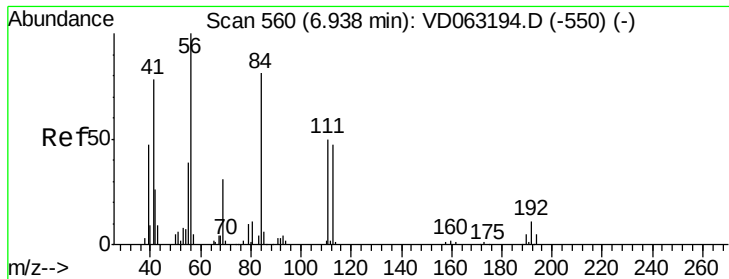
Tot Ion: 42 Resp: 111341
Ion Ratio Lower Upper
42 100
72 40.1 33.4 50.2
71 41.9 35.7 53.5



#30
Chloroform
Concen: 22.097 ug/l
RT: 6.65 min Scan# 530
Delta R.T. -0.01 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

Tgt Ion: 83 Resp: 394512
Ion Ratio Lower Upper
83 100
85 63.2 54.2 81.4

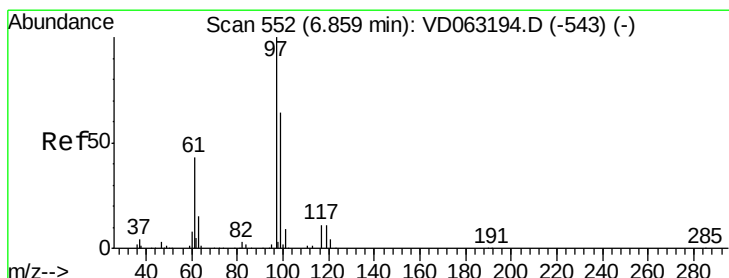
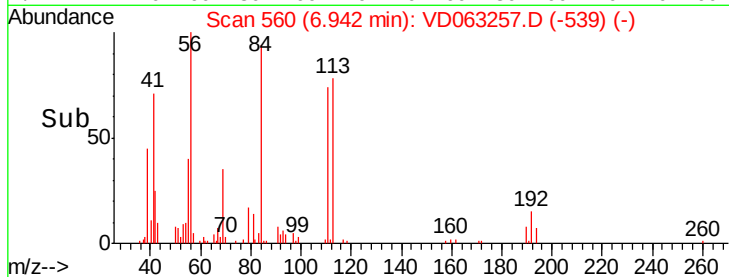
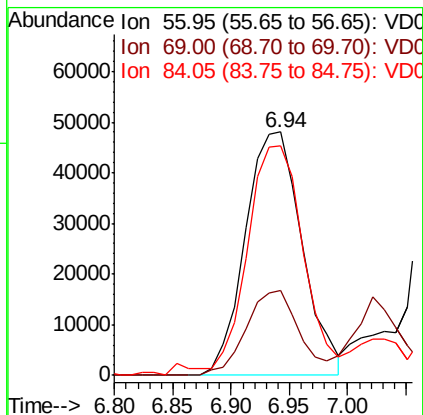
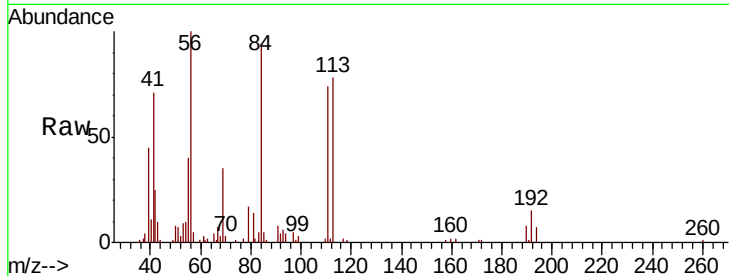




#31
Cyclohexane
Concen: 17.993 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.00 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

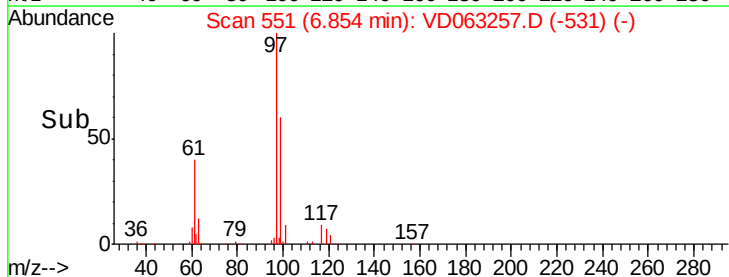
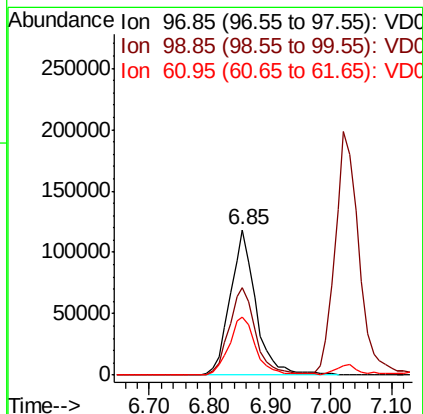
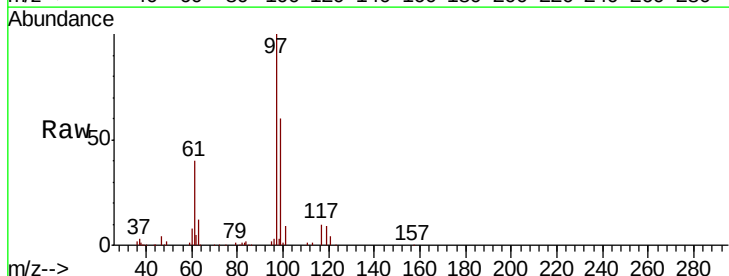
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS02

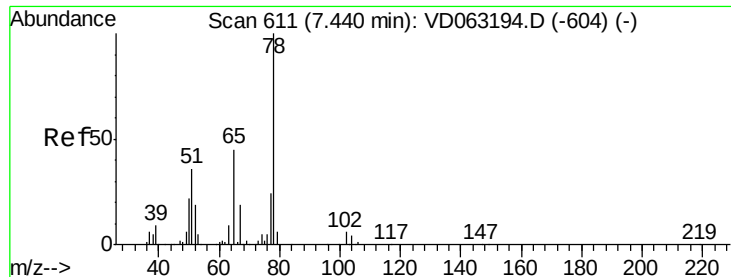
Tot Ion: 56 Resp: 162249
Ion Ratio Lower Upper
56 100
69 34.8 24.5 36.7
84 94.2 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 20.122 ug/l
RT: 6.85 min Scan# 551
Delta R.T. -0.01 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

Tgt Ion: 97 Resp: 347489
Ion Ratio Lower Upper
97 100
99 59.8 51.2 76.8
61 39.8 34.2 51.2

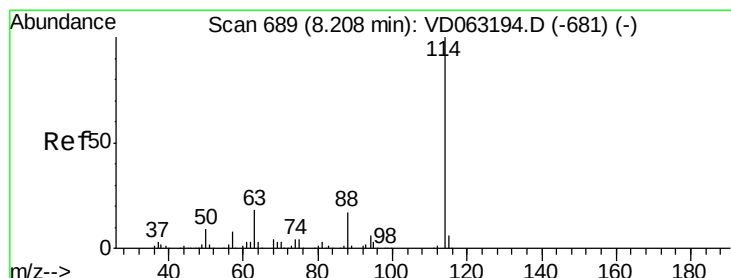
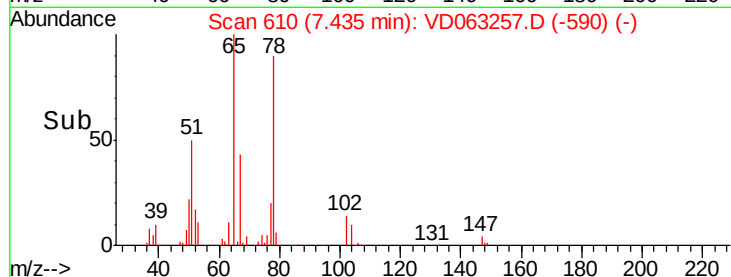
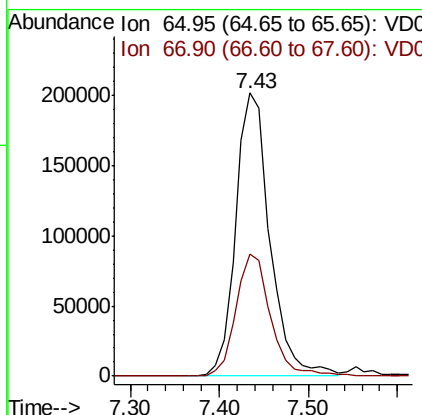
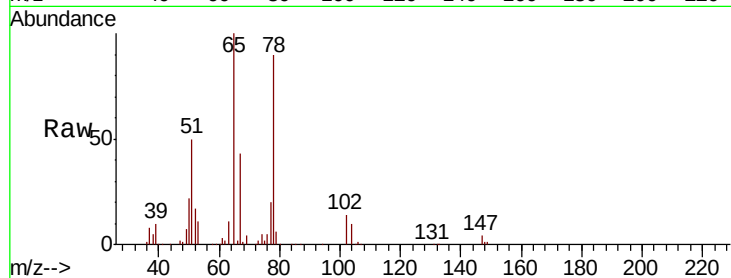




#33
 1,2-Dichloroethane-d4
 Concen: 53.061 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. -0.01 min
 Lab File: VD063257.D
 Acq: 31 Jul 2019 00:11

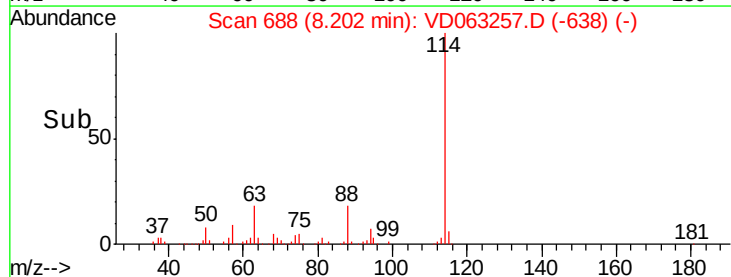
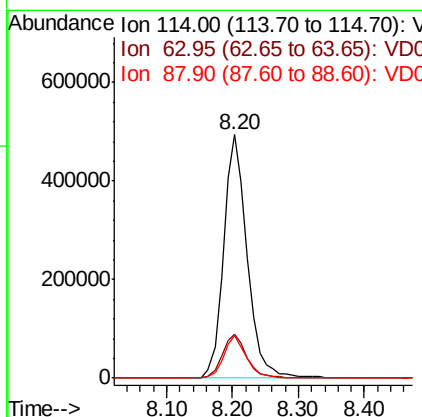
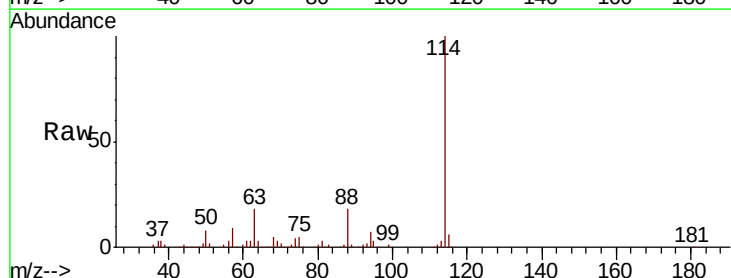
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS02

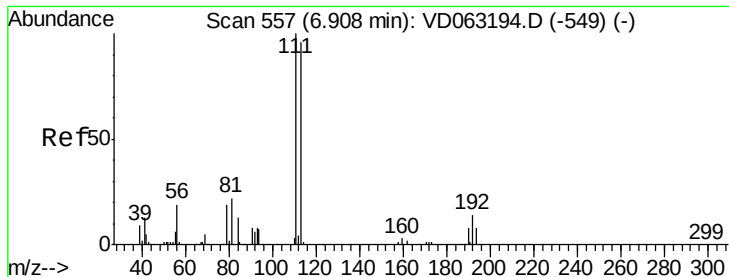
Tot Ion: 65 Resp: 537151
 Ion Ratio Lower Upper
 65 100
 67 43.2 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.01 min
 Lab File: VD063257.D
 Acq: 31 Jul 2019 00:11

Tgt Ion: 114 Resp: 1230707
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 35.2
 88 17.7 0.0 34.6





#35

Dibromofluoromethane

Concen: 53.826 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.00 min

Lab File: VD063257.D

Acq: 31 Jul 2019 00:11

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS02

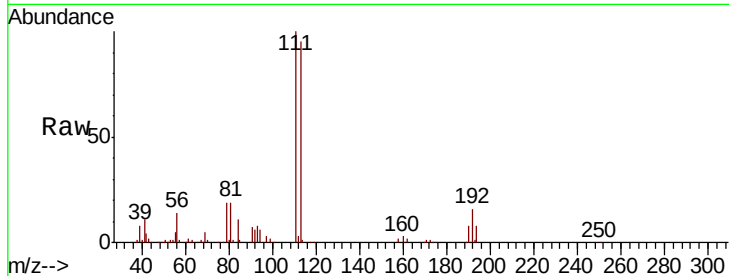
Tot Ion:113 Resp: 565580

Ion Ratio Lower Upper

113 100

111 104.7 83.2 124.8

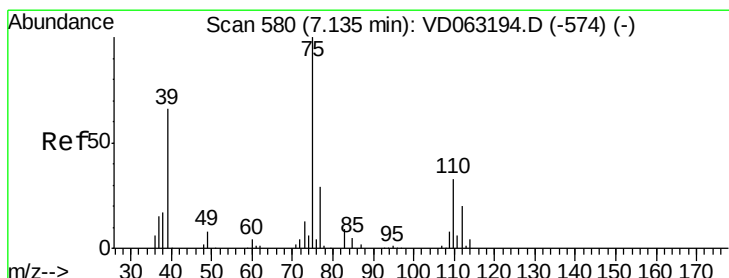
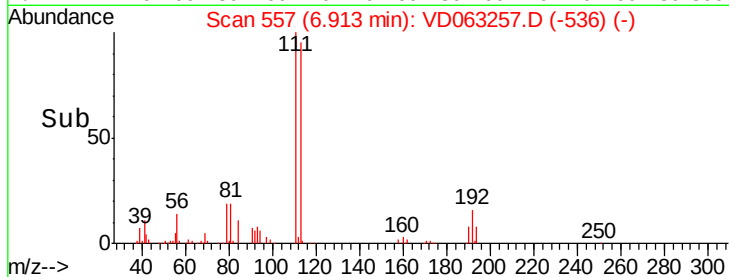
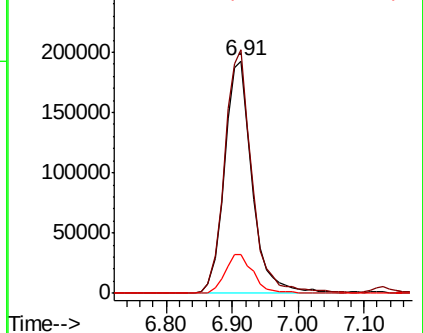
192 16.6 11.8 17.8



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: 19.880 ug/l

RT: 7.13 min Scan# 579

Delta R.T. -0.01 min

Lab File: VD063257.D

Acq: 31 Jul 2019 00:11

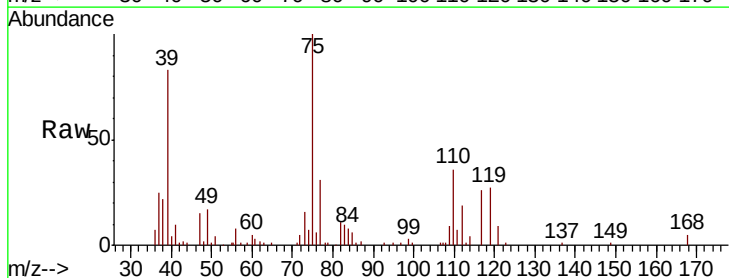
Tgt Ion: 75 Resp: 223286

Ion Ratio Lower Upper

75 100

110 36.0 16.1 48.2

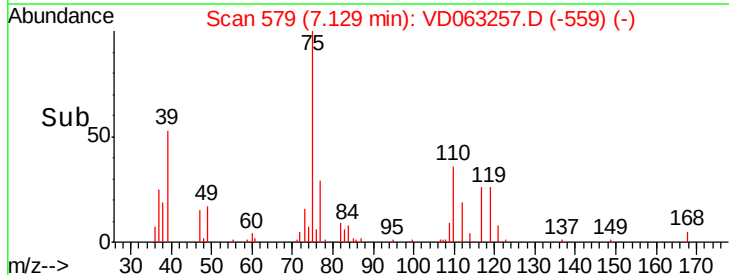
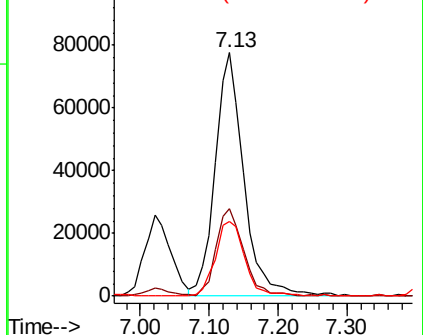
77 30.5 22.7 34.1

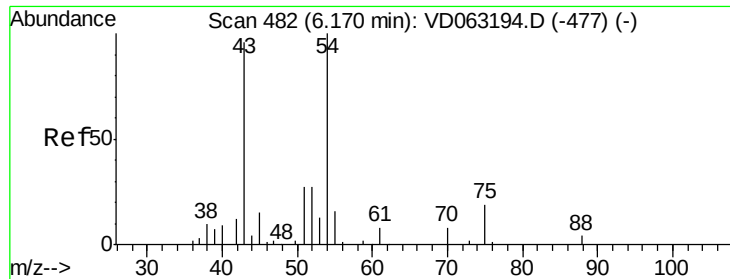


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

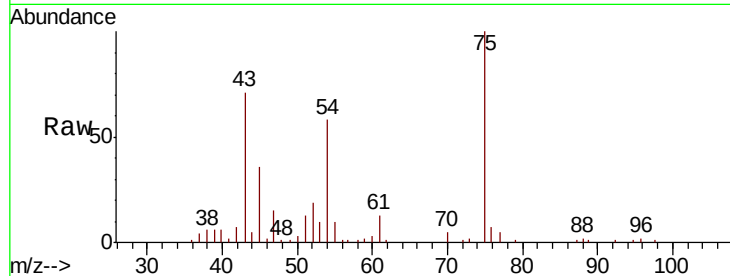




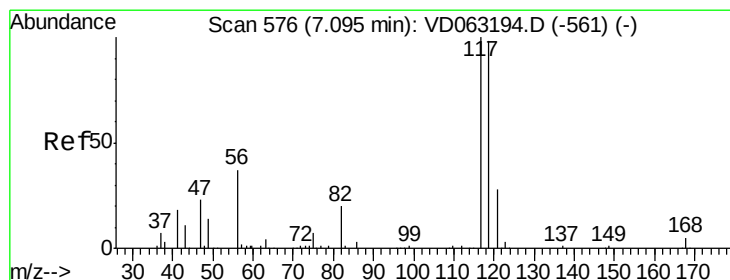
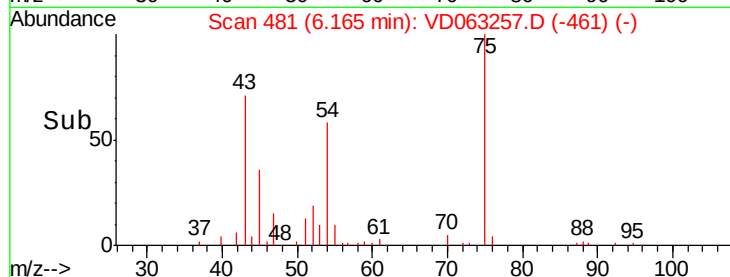
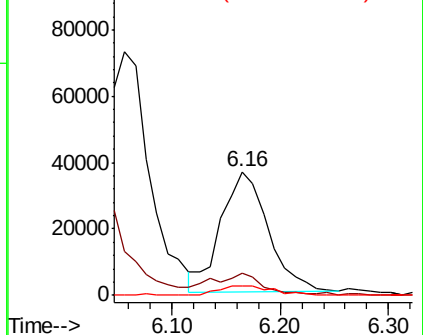
#37
Ethyl Acetate
Concen: 21.917 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.01 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS02

Tot Ion: 43 Resp: 110593
Ion Ratio Lower Upper
43 100
61 18.1 11.3 16.9#
70 7.5 5.1 7.7

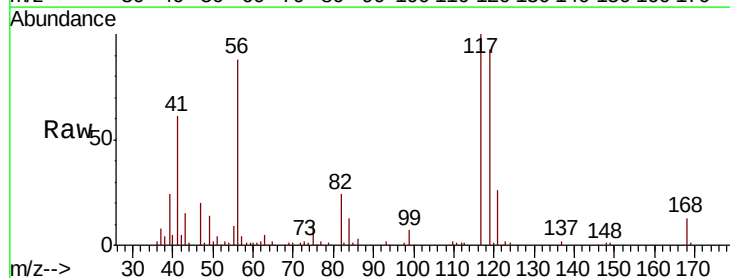


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

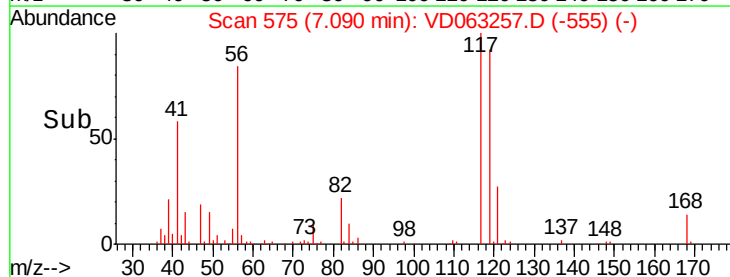
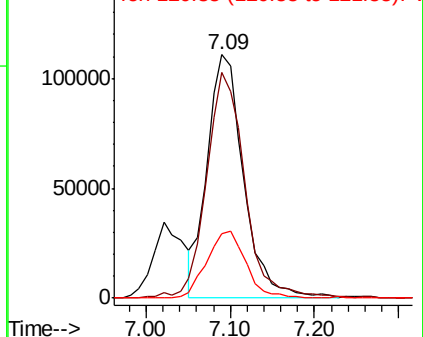


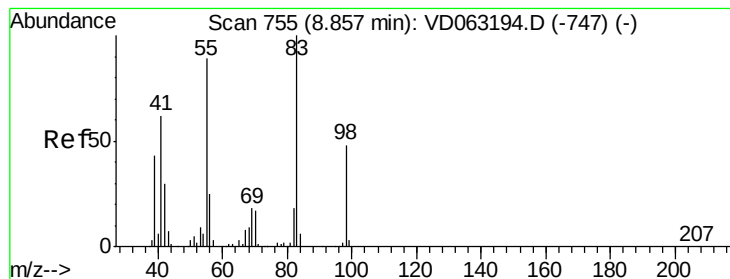
#38
Carbon Tetrachloride
Concen: 19.696 ug/l
RT: 7.09 min Scan# 575
Delta R.T. -0.01 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

Tgt Ion: 117 Resp: 333043
Ion Ratio Lower Upper
117 100
119 92.5 78.2 117.2
121 26.4 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

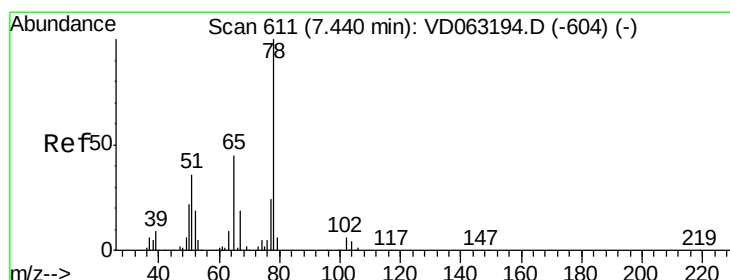
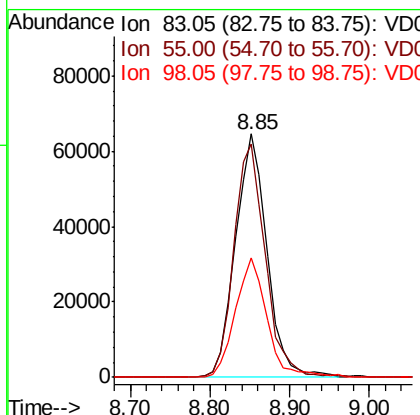
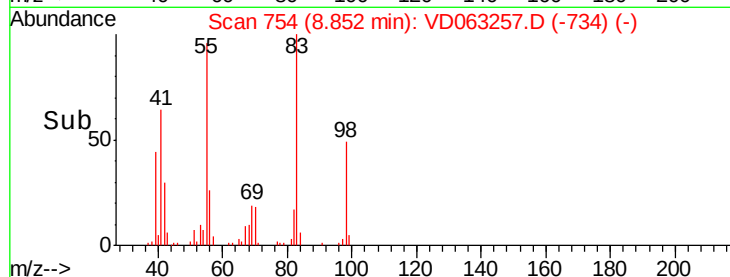
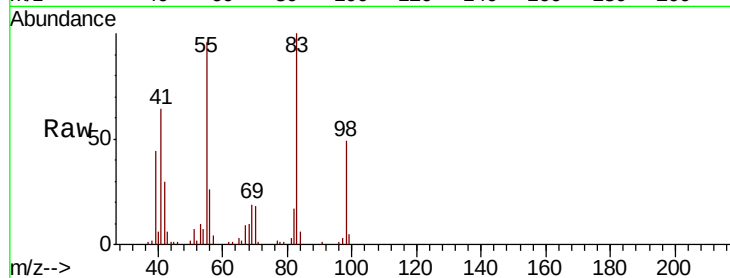




#39
Methylvlcyclohexane
Concen: 18.948 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

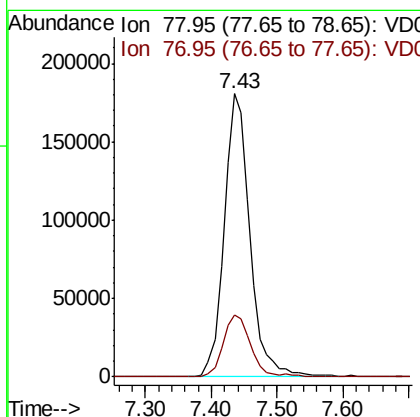
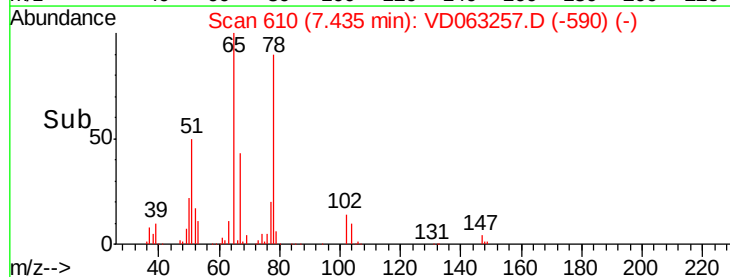
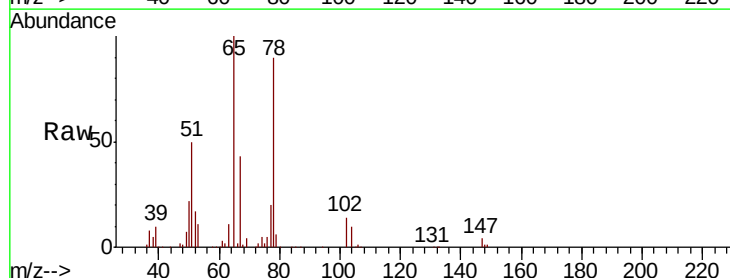
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS02

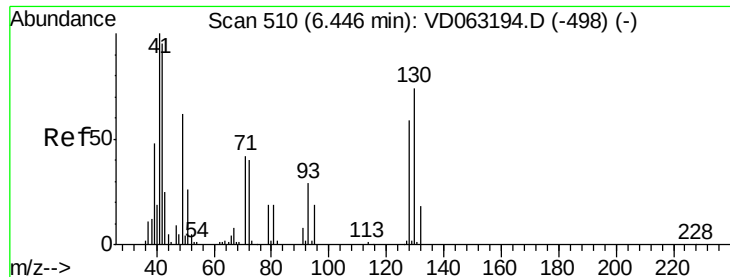
Tot Ion: 83 Resp: 177315
Ion Ratio Lower Upper
83 100
55 95.9 71.1 106.7
98 49.1 38.5 57.7



#40
Benzene
Concen: 20.912 ug/l
RT: 7.43 min Scan# 610
Delta R.T. -0.01 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

Tgt Ion: 78 Resp: 492271
Ion Ratio Lower Upper
78 100
77 22.0 19.4 29.2

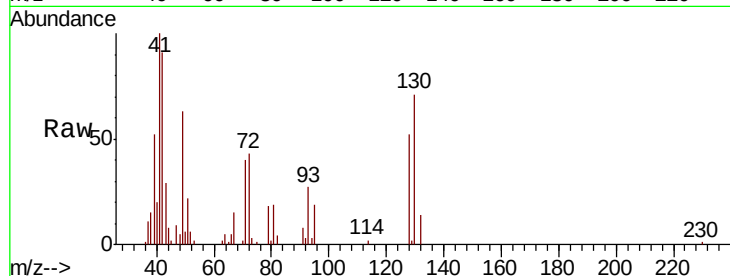




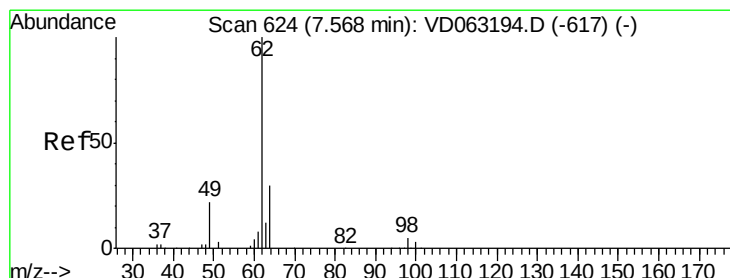
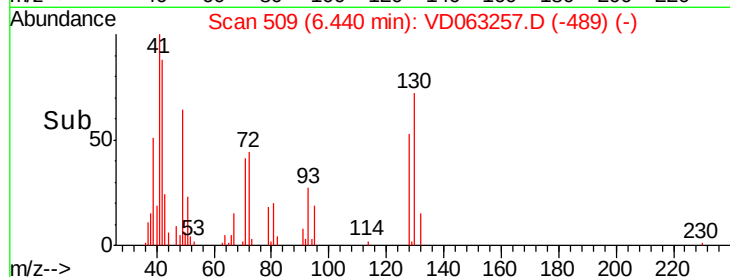
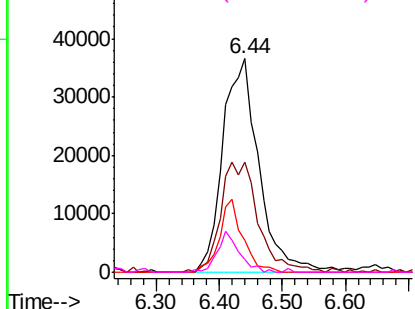
#41
Methacrylonitrile
Concen: 24.090 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS02

Tot Ion: 41 Resp: 145407
Ion Ratio Lower Upper
41 100
39 51.8 38.4 57.6
67 15.3 6.7 10.1#
52 5.8 4.3 6.5

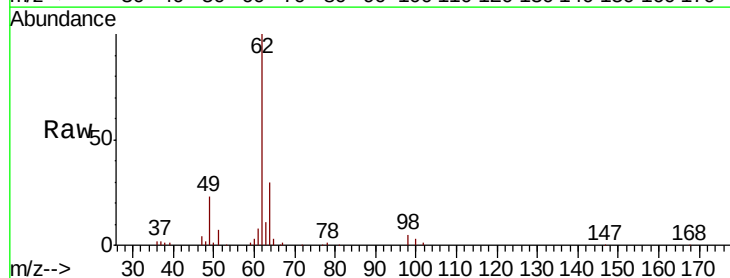


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

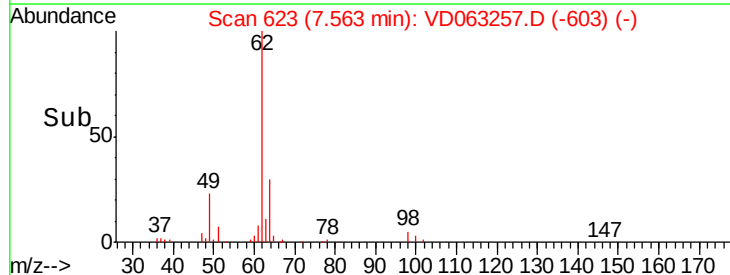
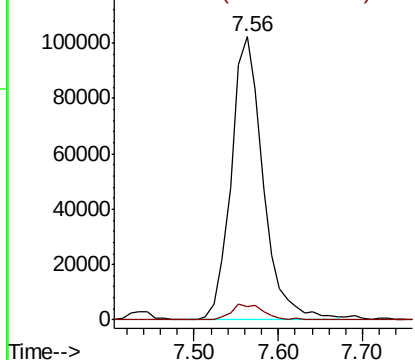


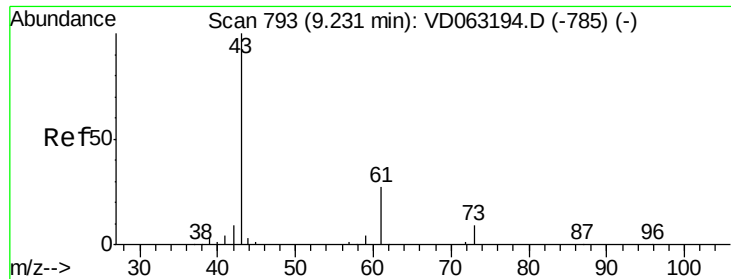
#42
1,2-Dichloroethane
Concen: 21.684 ug/l
RT: 7.56 min Scan# 623
Delta R.T. -0.01 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

Tgt Ion: 62 Resp: 270519
Ion Ratio Lower Upper
62 100
98 4.7 0.0 9.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC

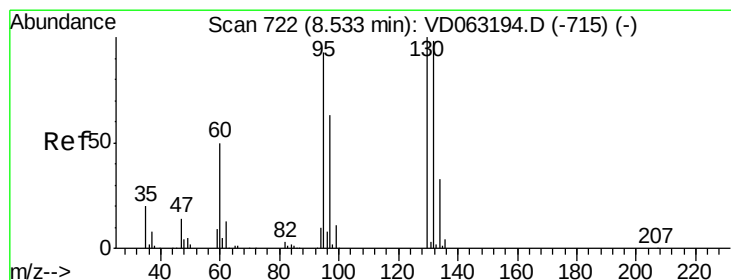
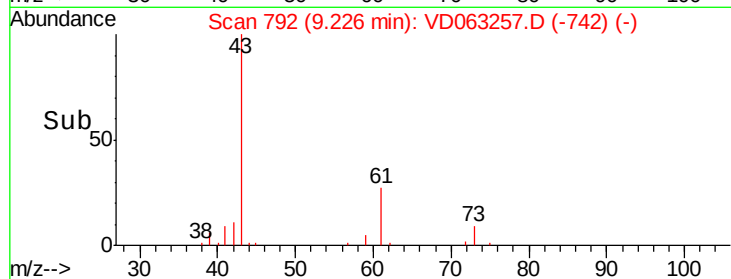
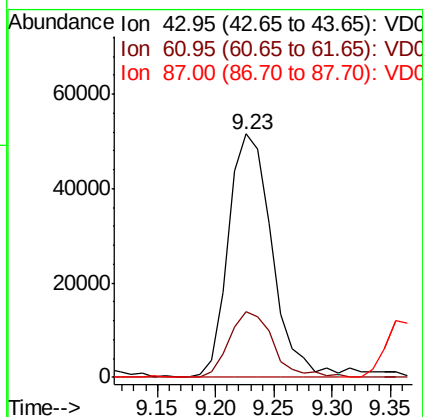
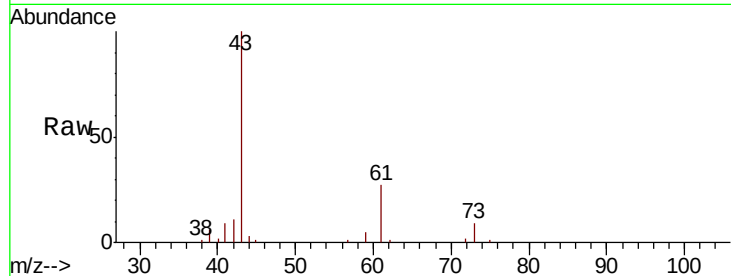




#43
Isopropyl Acetate
Concen: 20.738 ug/l
RT: 9.23 min Scan# 792
Delta R.T. -0.01 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

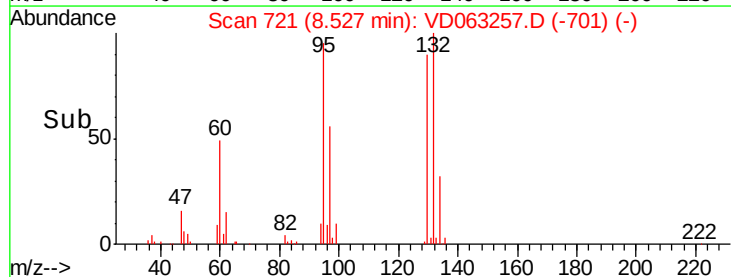
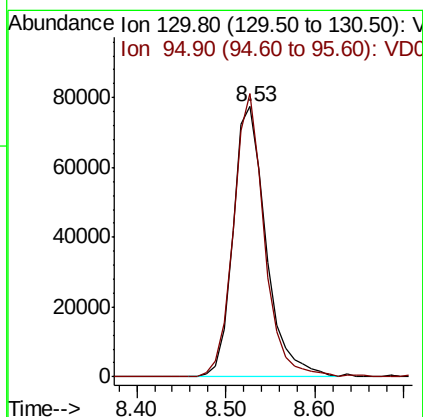
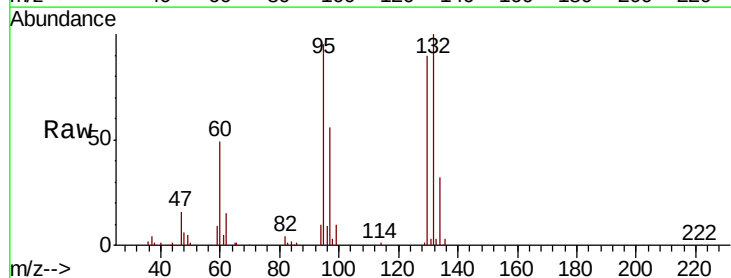
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS02

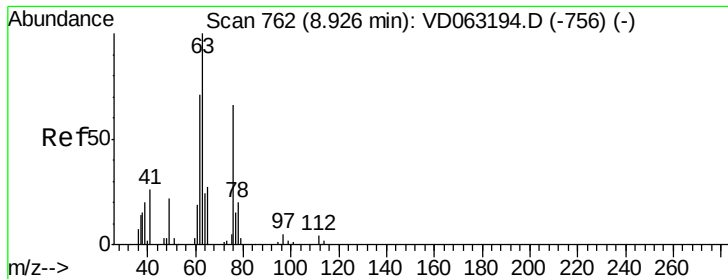
Tot Ion: 43 Resp: 133671
Ion Ratio Lower Upper
43 100
61 27.2 21.4 32.0
87 0.0 0.2 0.4#



#44
Trichloroethene
Concen: 20.891 ug/l
RT: 8.53 min Scan# 721
Delta R.T. -0.01 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

Tgt Ion:130 Resp: 199270
Ion Ratio Lower Upper
130 100
95 104.7 0.0 185.4





#45

1,2-Dichloropropane

Concen: 22.245 ug/l

RT: 8.92 min Scan# 761

Delta R.T. -0.01 min

Lab File: VD063257.D

Acq: 31 Jul 2019 00:11

Instrument :

MSVOA_D

ClientSampleId :

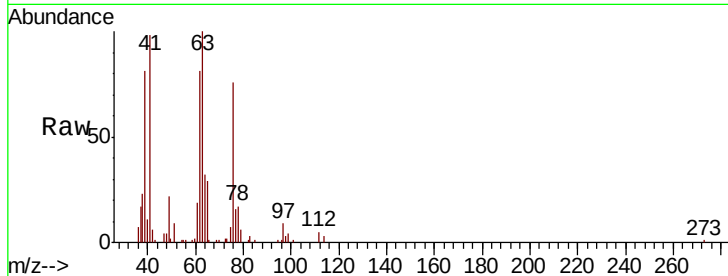
VD0730SBS02

Tot Ion: 63 Resp: 133094

Ion Ratio Lower Upper

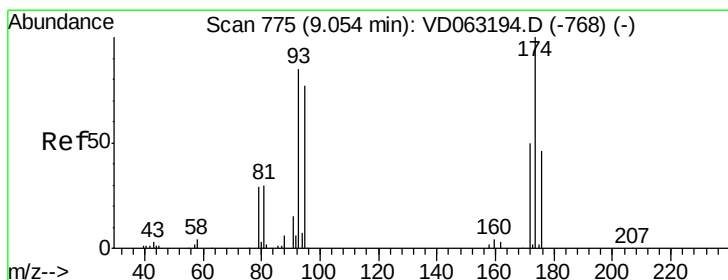
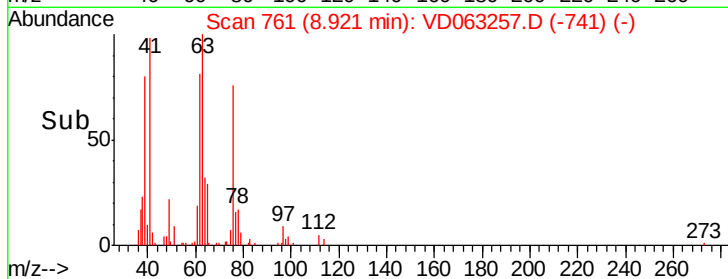
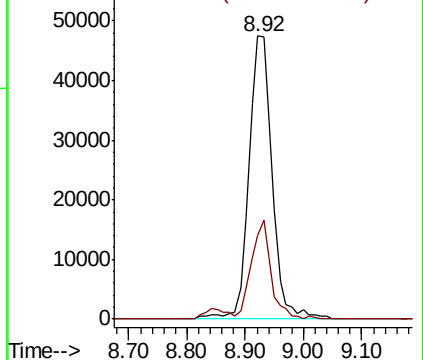
63 100

65 29.5 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: 22.715 ug/l

RT: 9.05 min Scan# 774

Delta R.T. -0.01 min

Lab File: VD063257.D

Acq: 31 Jul 2019 00:11

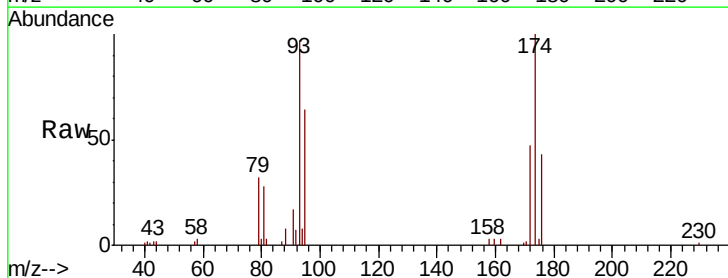
Tgt Ion: 93 Resp: 113006

Ion Ratio Lower Upper

93 100

95 65.5 72.8 109.2#

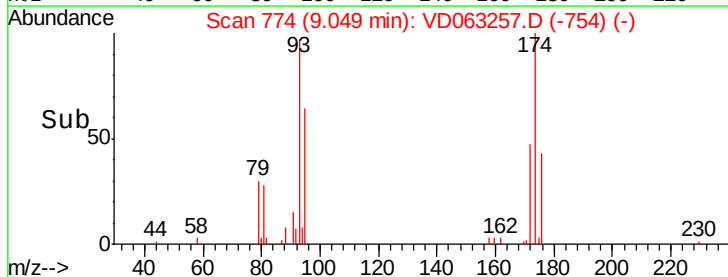
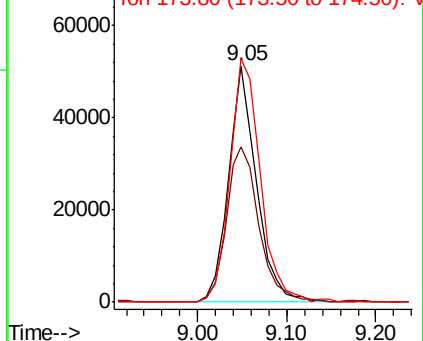
174 103.1 94.4 141.6

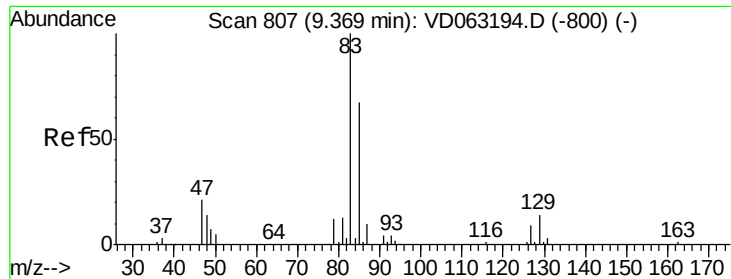


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 23.199 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD063257.D

Acq: 31 Jul 2019 00:11

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS02

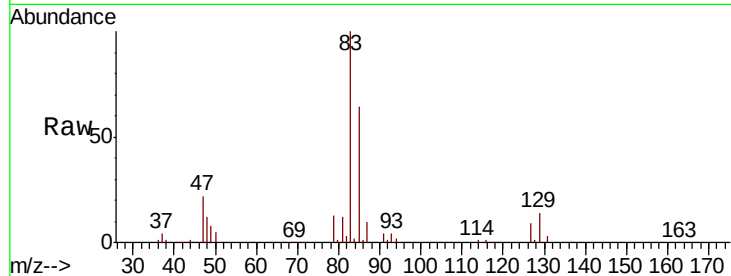
Tot Ion: 83 Resp: 294204

Ion Ratio Lower Upper

83 100

85 64.0 53.6 80.4

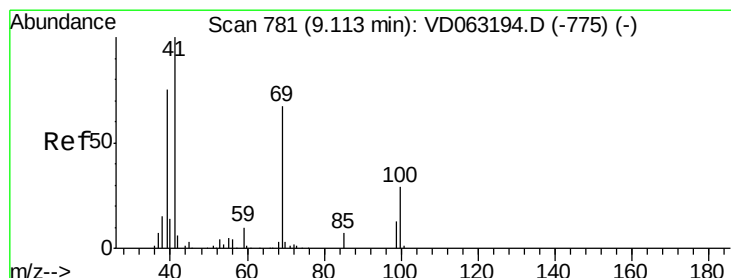
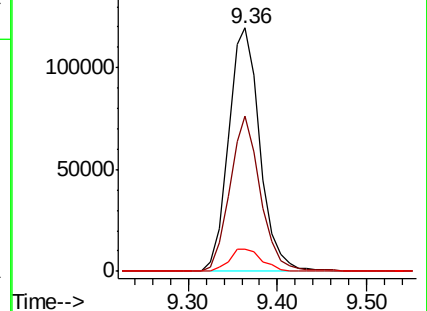
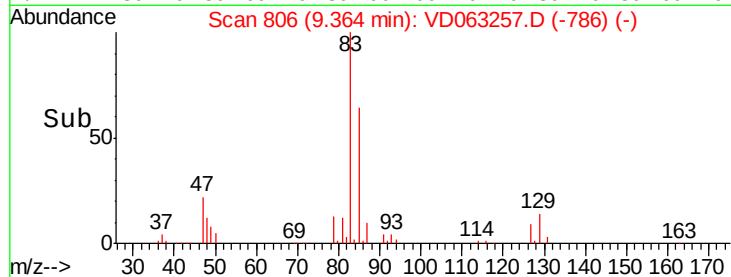
127 9.2 7.2 10.8



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: 23.941 ug/l

RT: 9.11 min Scan# 780

Delta R.T. -0.01 min

Lab File: VD063257.D

Acq: 31 Jul 2019 00:11

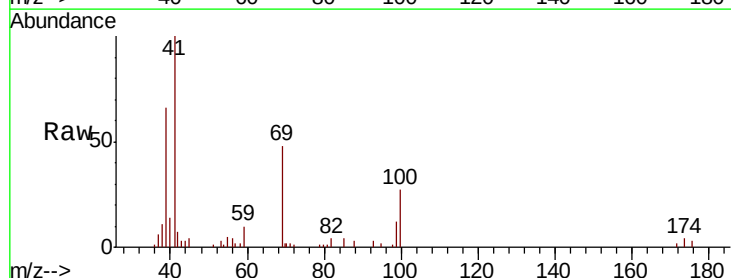
Tgt Ion: 41 Resp: 100083

Ion Ratio Lower Upper

41 100

69 48.5 53.4 80.0#

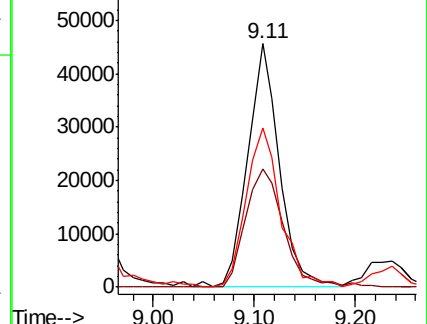
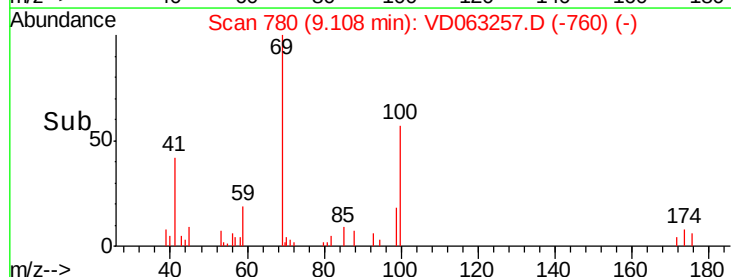
39 65.5 60.3 90.5

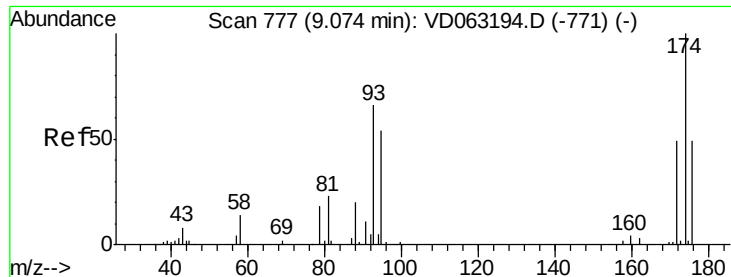


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

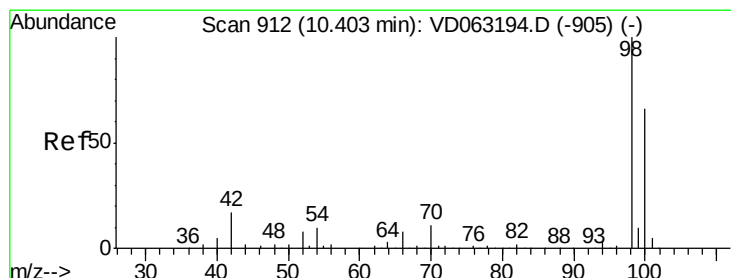
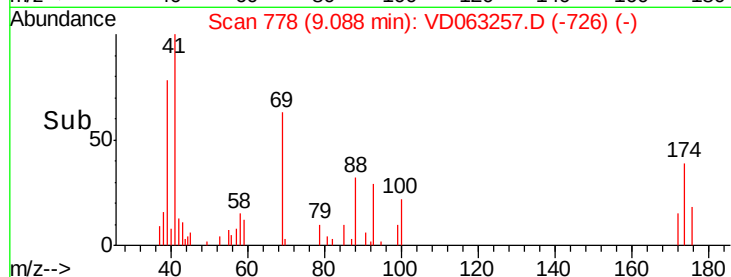
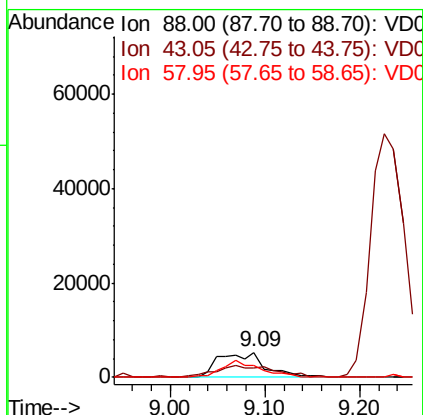
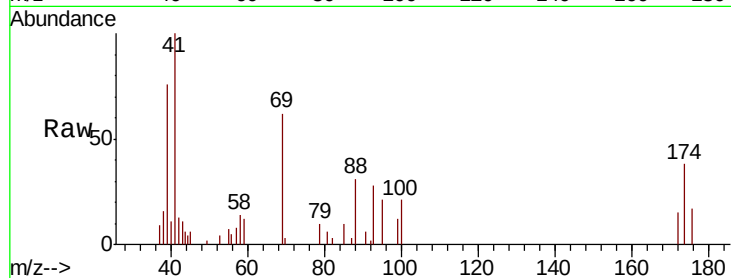




#49
1,4-Dioxane
Concen: 504.838 ug/l
RT: 9.09 min Scan# 778
Delta R.T. 0.02 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

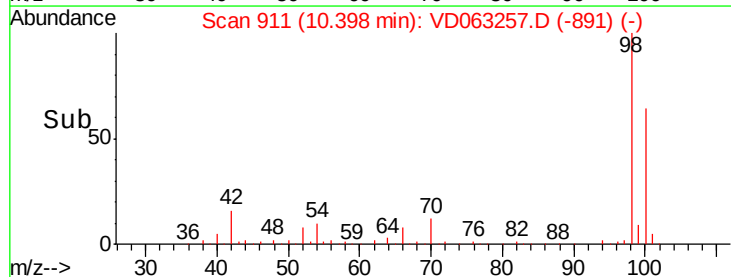
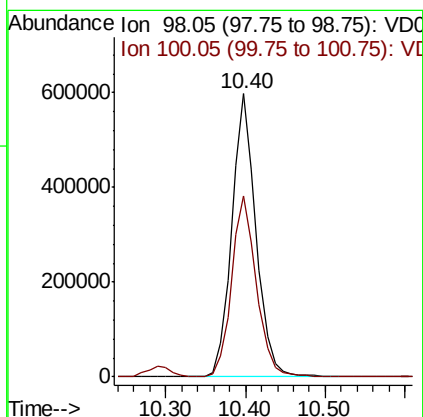
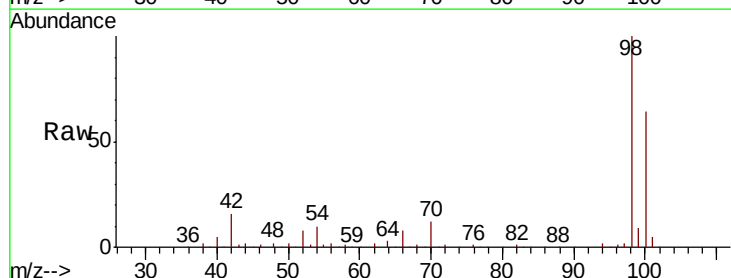
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS02

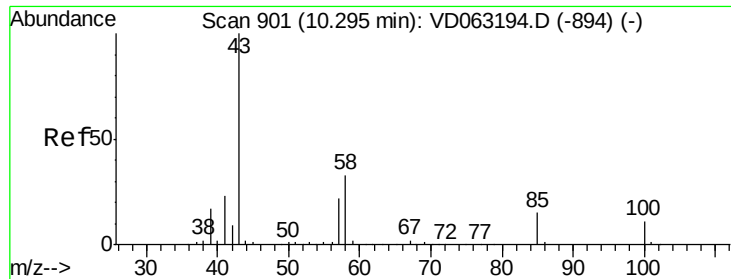
Tot Ion: 88 Resp: 17950
Ion Ratio Lower Upper
88 100
43 35.2 30.7 46.1
58 45.8 56.5 84.7#



#50
Toluene-d8
Concen: 53.775 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

Tgt Ion: 98 Resp: 1264564
Ion Ratio Lower Upper
98 100
100 64.1 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 112.555 ug/l

RT: 10.29 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD063257.D

Acq: 31 Jul 2019 00:11

Instrument :

MSVOA_D

ClientSampleId :

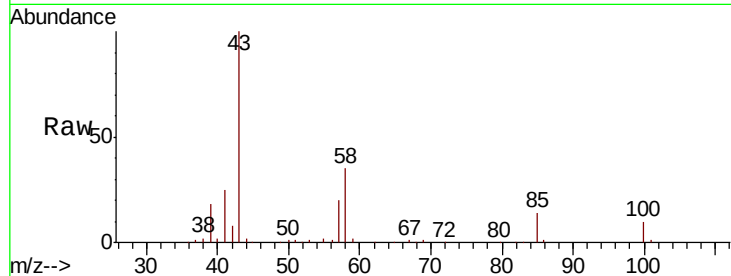
VD0730SBS02

Tot Ion: 43 Resp: 493398

Ion Ratio Lower Upper

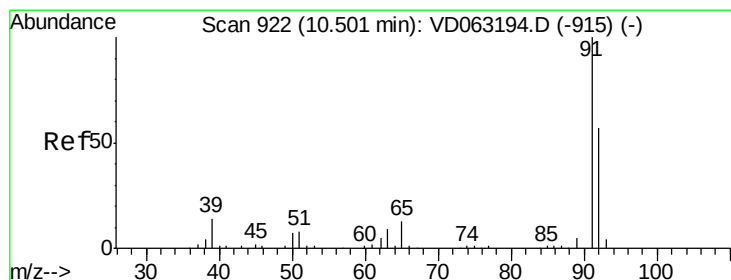
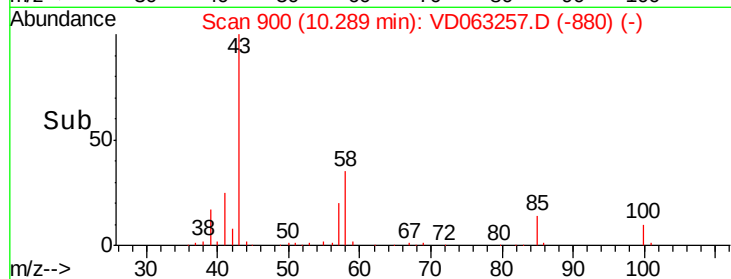
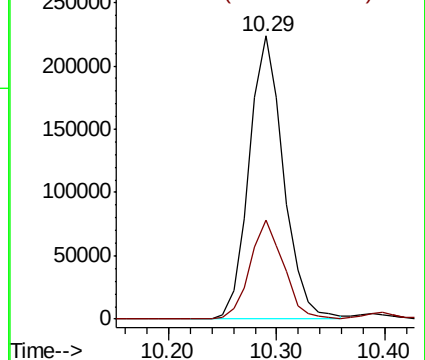
43 100

58 35.0 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.964 ug/l

RT: 10.50 min Scan# 921

Delta R.T. -0.01 min

Lab File: VD063257.D

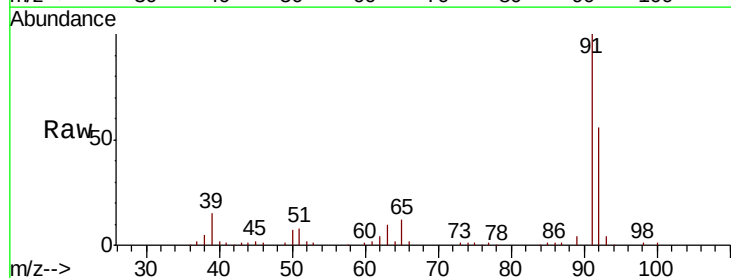
Acq: 31 Jul 2019 00:11

Tgt Ion: 92 Resp: 328221

Ion Ratio Lower Upper

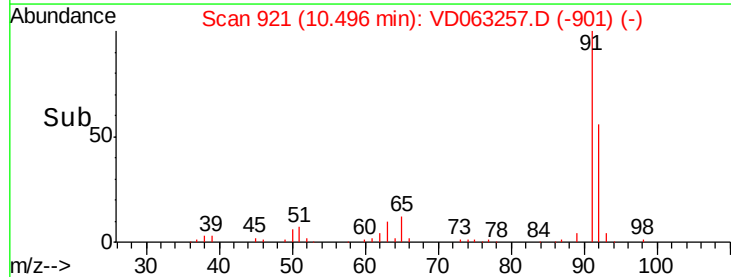
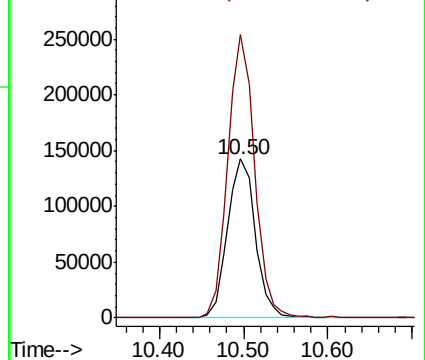
92 100

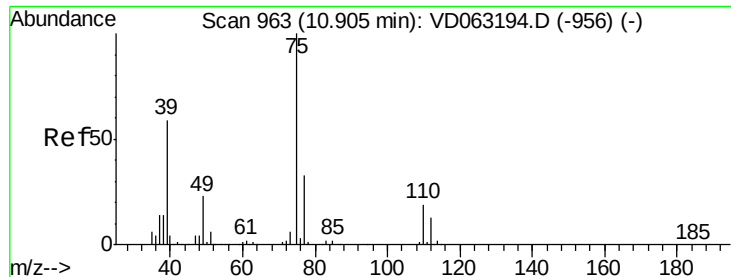
91 178.2 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

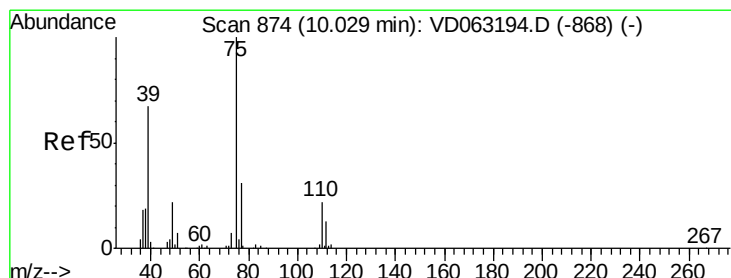
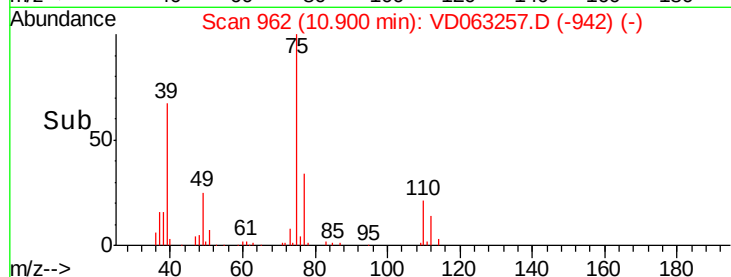
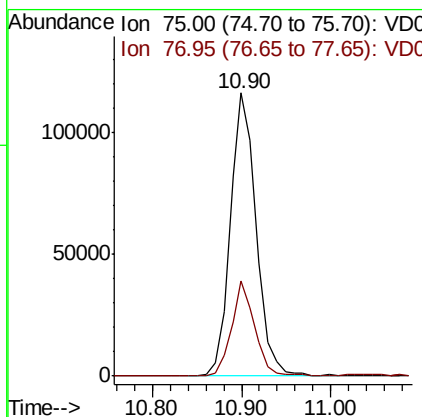
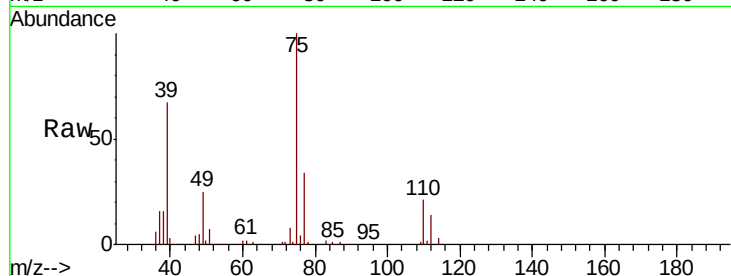




#53
 t-1,3-Dichloropropene
 Concen: 21.598 ug/l
 RT: 10.90 min Scan# 962
 Delta R.T. -0.01 min
 Lab File: VD063257.D
 Acq: 31 Jul 2019 00:11

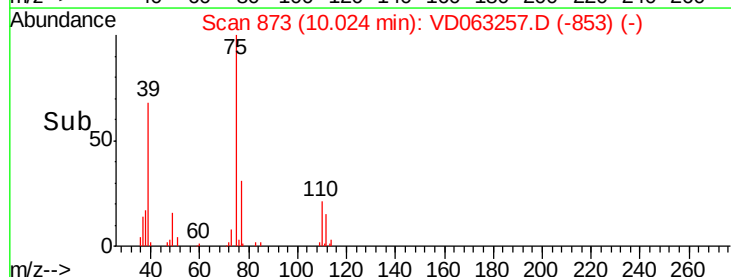
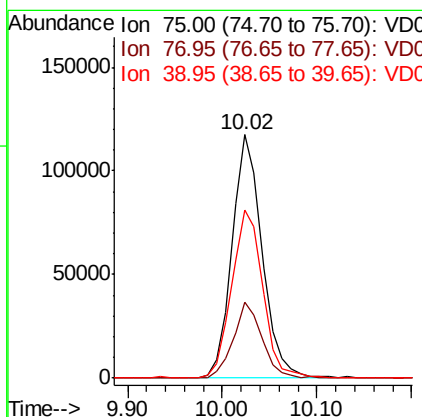
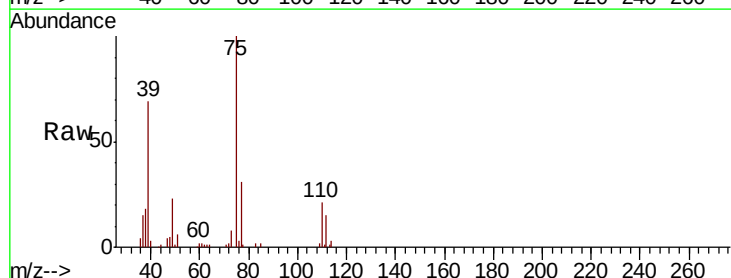
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS02

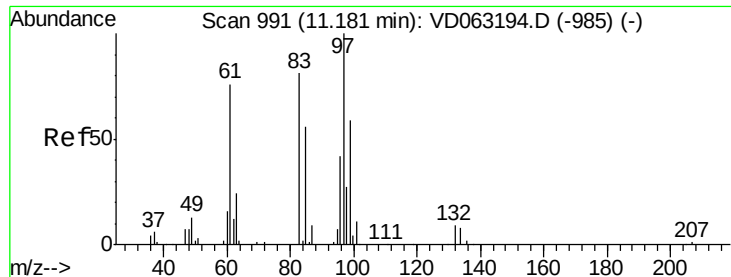
Tot Ion: 75 Resp: 236141
 Ion Ratio Lower Upper
 75 100
 77 33.6 26.6 40.0



#54
 cis-1,3-Dichloropropene
 Concen: 22.409 ug/l
 RT: 10.02 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: VD063257.D
 Acq: 31 Jul 2019 00:11

Tgt Ion: 75 Resp: 257497
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.9 37.3
 39 69.3 53.9 80.9

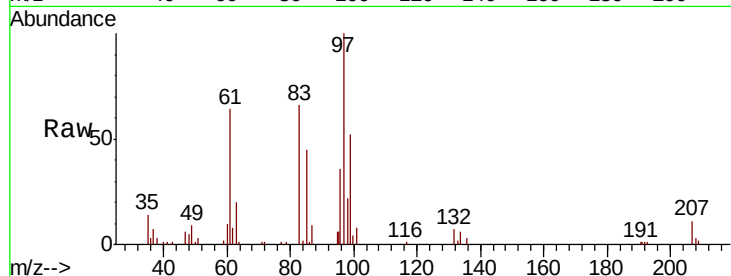




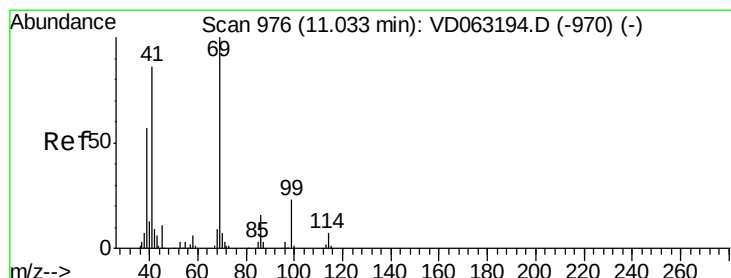
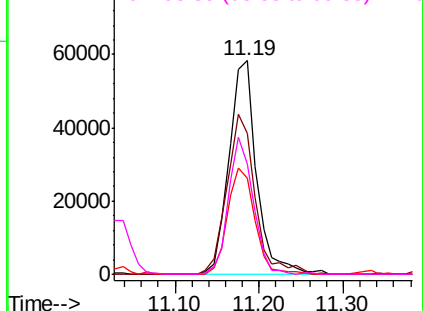
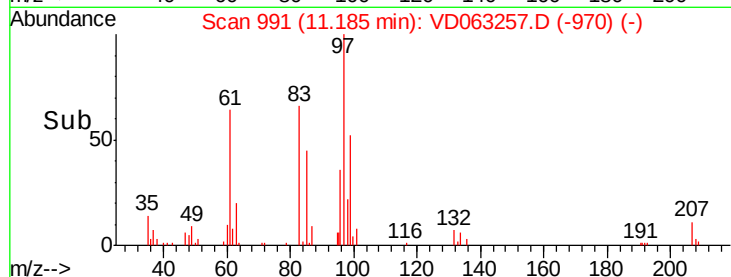
#55
 1,1,2-Trichloroethane
 Concen: 25.173 ug/l
 RT: 11.19 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VD063257.D
 Acq: 31 Jul 2019 00:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS02

Tot Ion:	97	Resp:	133106
Ion	Ratio	Lower	Upper
97	100		
83	66.0	64.8	97.2
85	44.7	44.9	67.3#
99	51.6	47.2	70.8

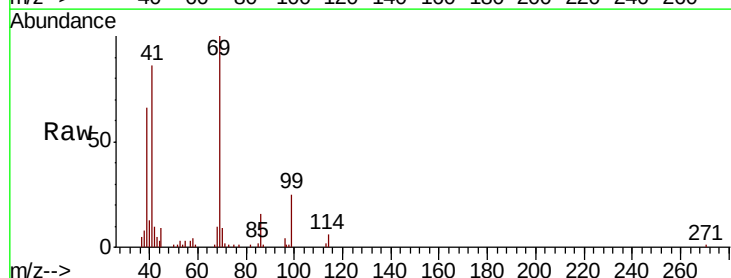


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

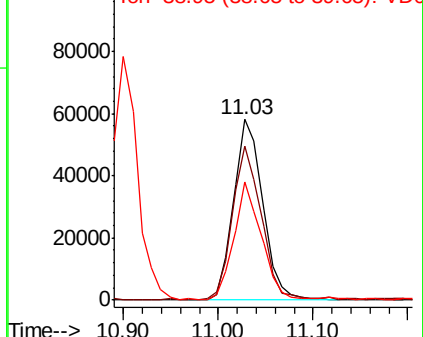
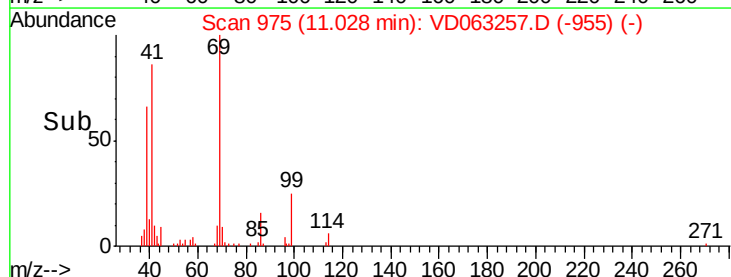


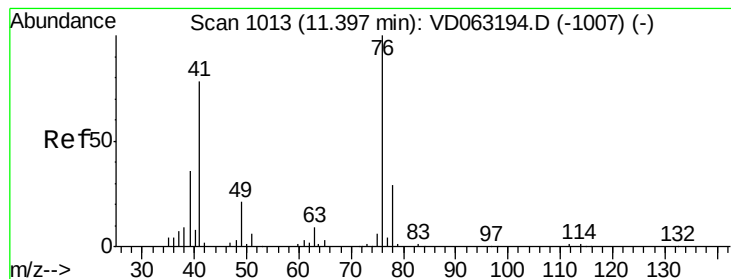
#56
 Ethyl methacrylate
 Concen: 21.438 ug/l
 RT: 11.03 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VD063257.D
 Acq: 31 Jul 2019 00:11

Tgt Ion:	69	Resp:	124128
Ion	Ratio	Lower	Upper
69	100		
41	85.6	68.8	103.2
39	65.8	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: 20.802 ug/l

RT: 11.39 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VD063257.D

Acq: 31 Jul 2019 00:11

Instrument :

MSVOA_D

ClientSampleId :

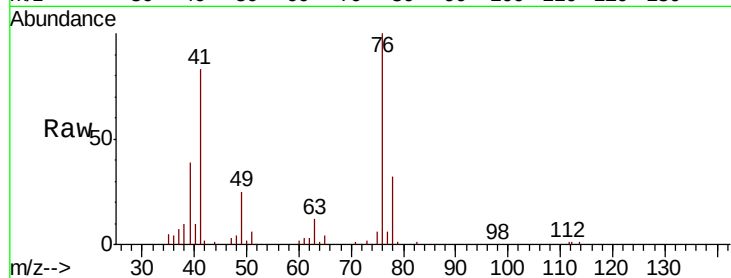
VD0730SBS02

Tot Ion: 76 Resp: 173304

Ion Ratio Lower Upper

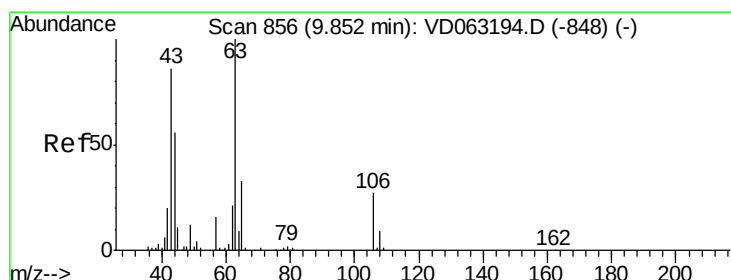
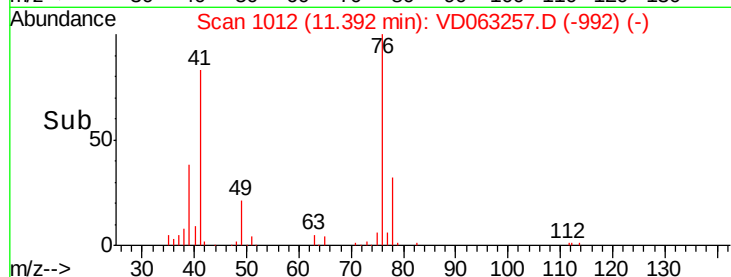
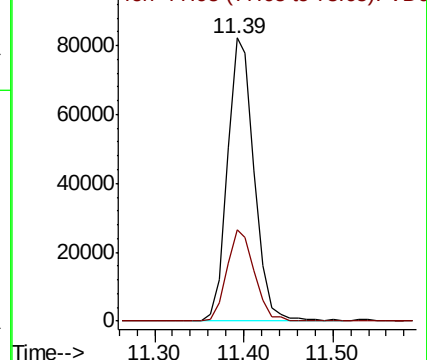
76 100

78 32.4 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 114.892 ug/l

RT: 9.85 min Scan# 855

Delta R.T. -0.01 min

Lab File: VD063257.D

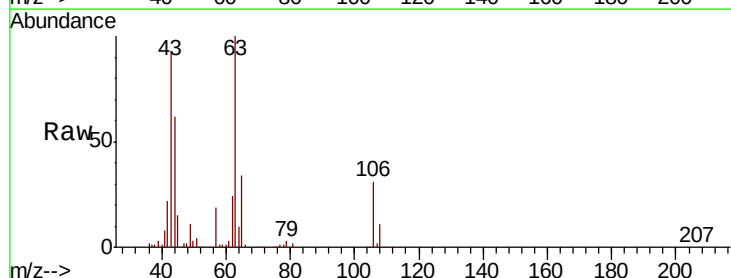
Acq: 31 Jul 2019 00:11

Tgt Ion: 63 Resp: 346150

Ion Ratio Lower Upper

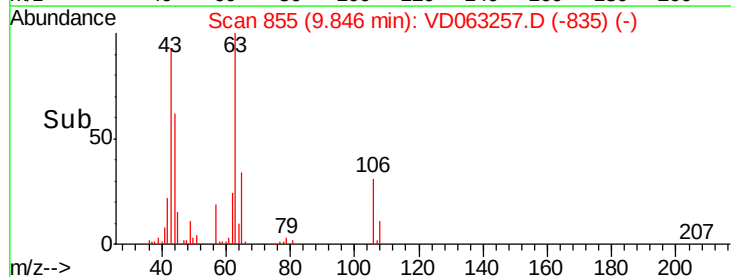
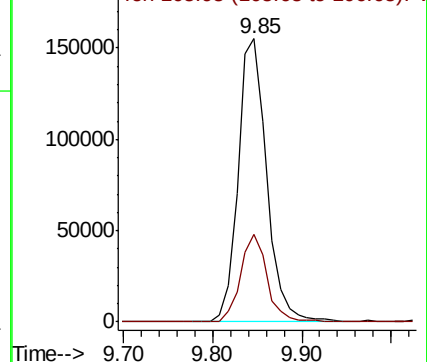
63 100

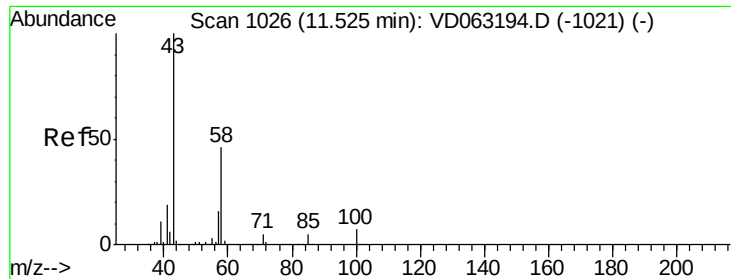
106 30.8 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

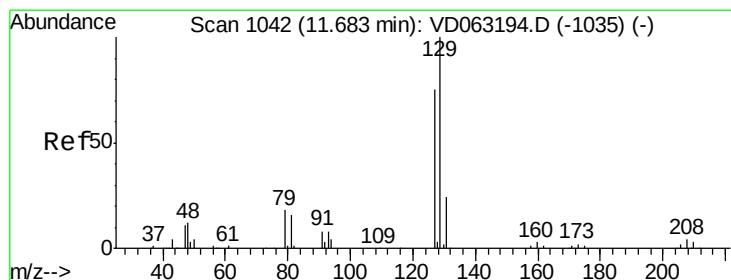
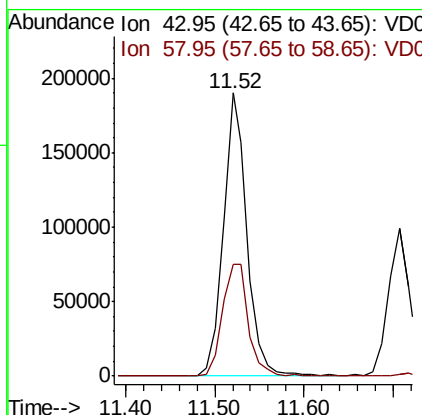
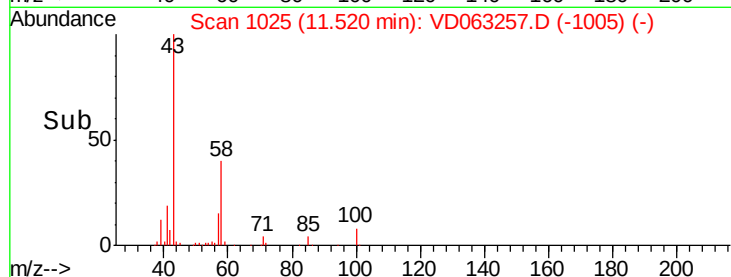
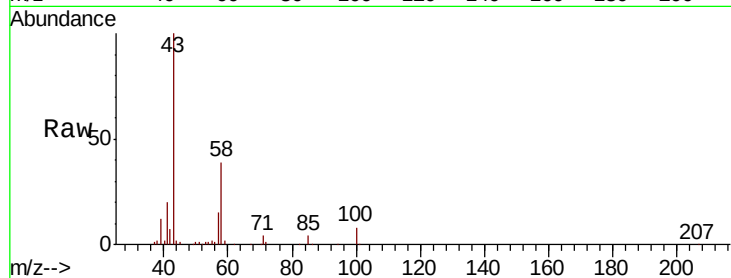




#59
2-Hexanone
Concen: 111.711 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. -0.01 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

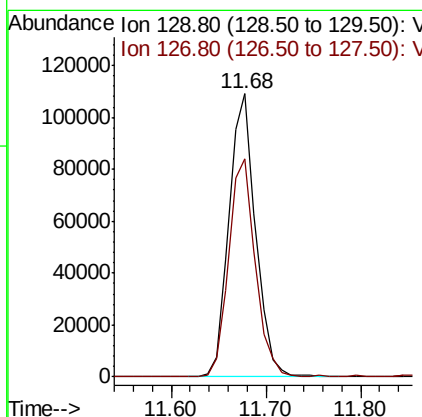
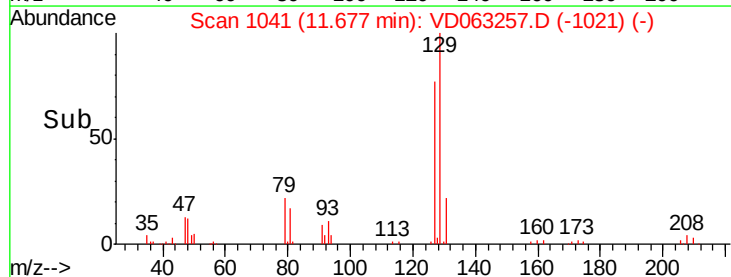
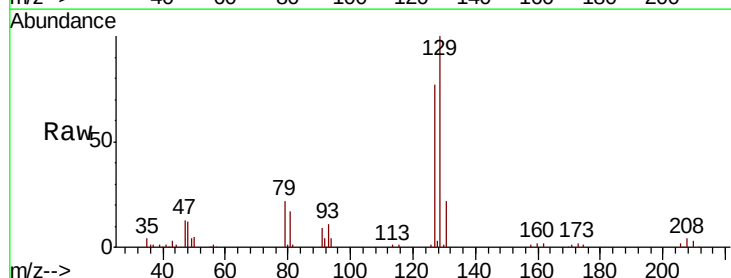
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS02

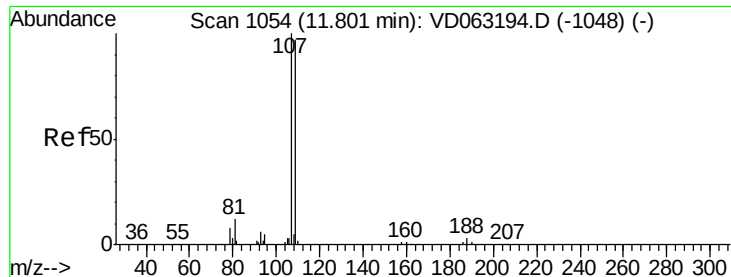
Tot Ion: 43 Resp: 352896
Ion Ratio Lower Upper
43 100
58 39.4 22.9 68.5



#60
Dibromochloromethane
Concen: 21.187 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

Tgt Ion: 129 Resp: 211493
Ion Ratio Lower Upper
129 100
127 77.3 37.6 112.8





#61

1,2-Dibromoethane

Concen: 22.913 ug/l

RT: 11.80 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VD063257.D

Acq: 31 Jul 2019 00:11

Instrument :

MSVOA_D

ClientSampleId :

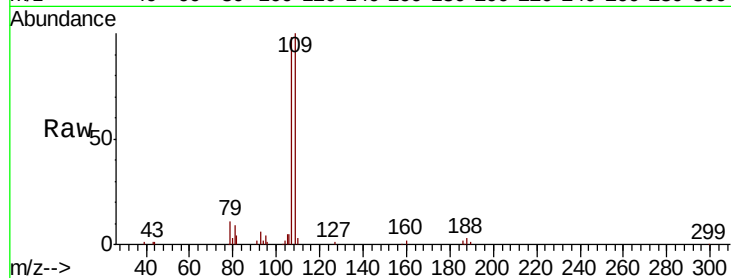
VD0730SBS02

Tot Ion:107 Resp: 149498

Ion Ratio Lower Upper

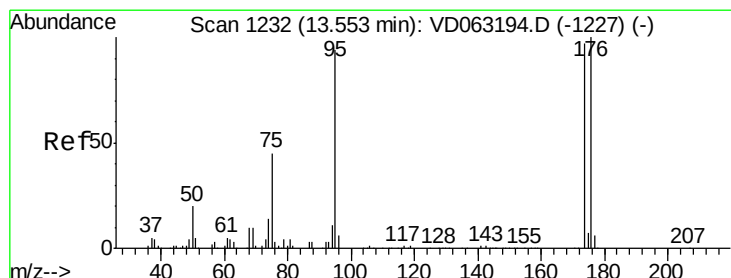
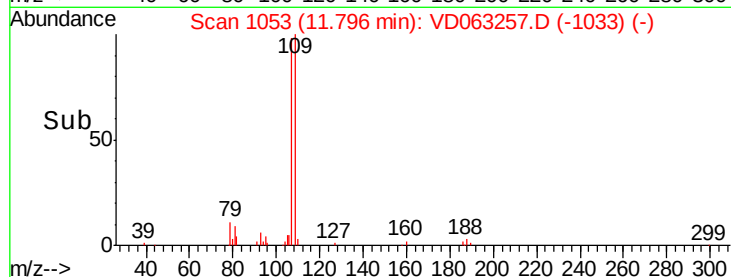
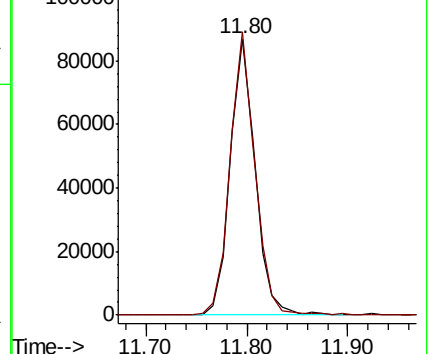
107 100

109 102.5 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: 49.613 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063257.D

Acq: 31 Jul 2019 00:11

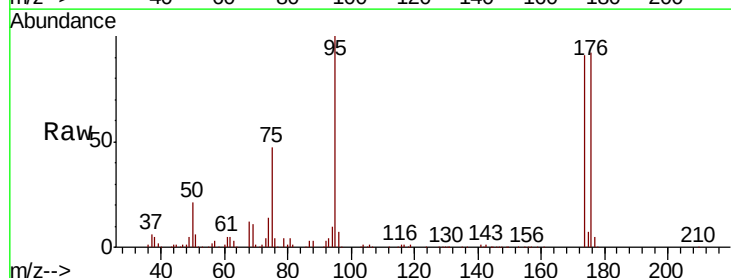
Tgt Ion: 95 Resp: 531659

Ion Ratio Lower Upper

95 100

174 91.3 0.0 205.4

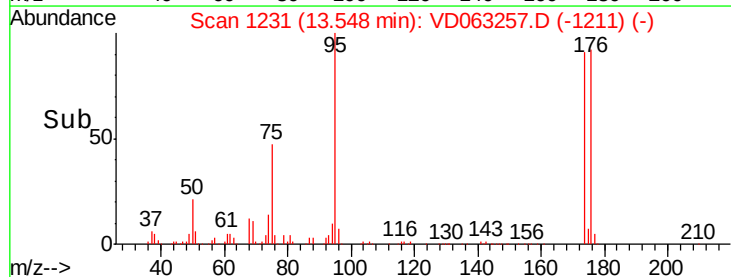
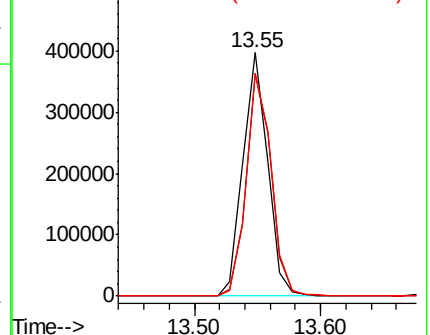
176 91.7 0.0 211.8

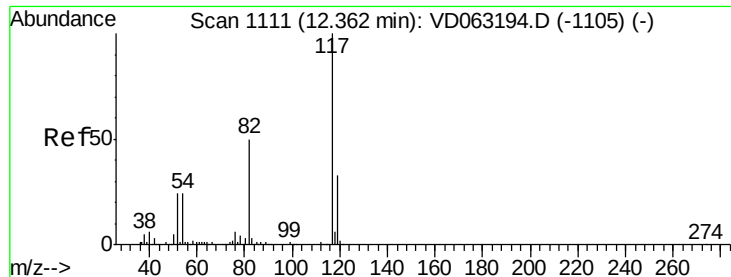


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

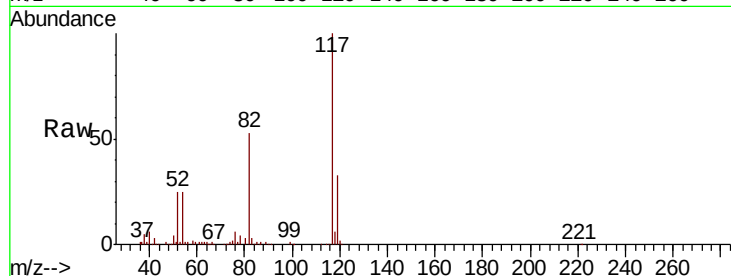




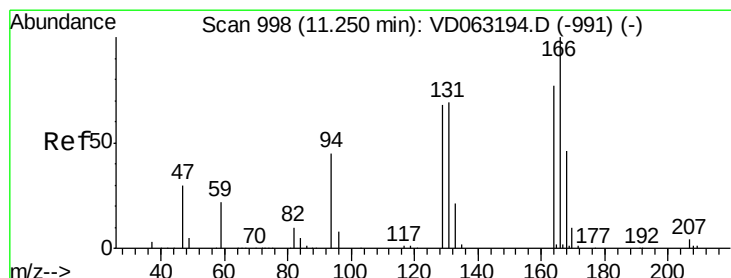
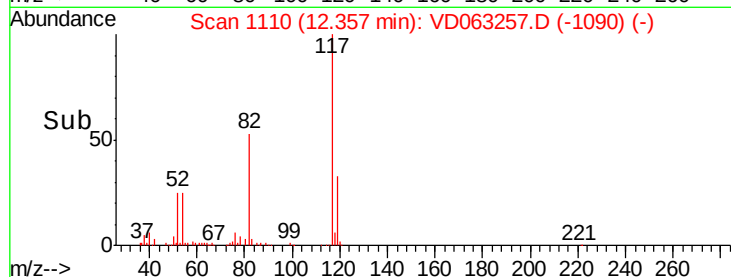
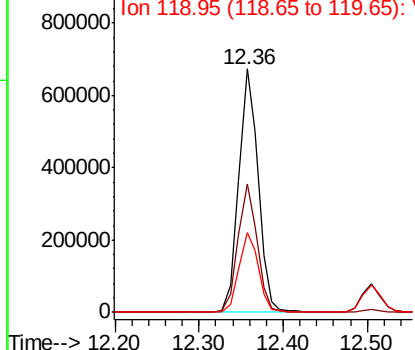
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS02

Tot Ion:117 Resp: 1080143
Ion Ratio Lower Upper
117 100
82 52.8 40.1 60.1
119 32.8 26.5 39.7

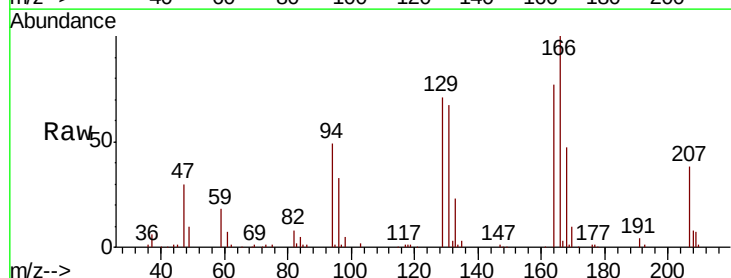


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

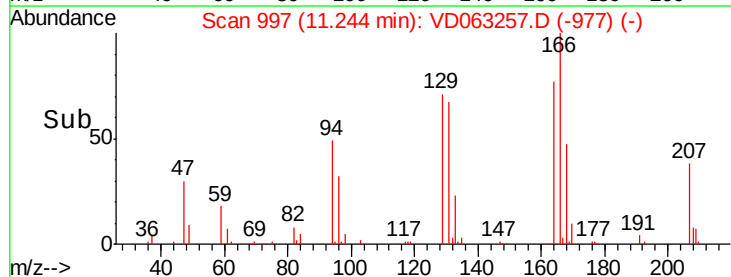
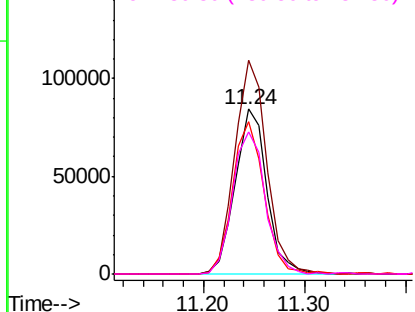


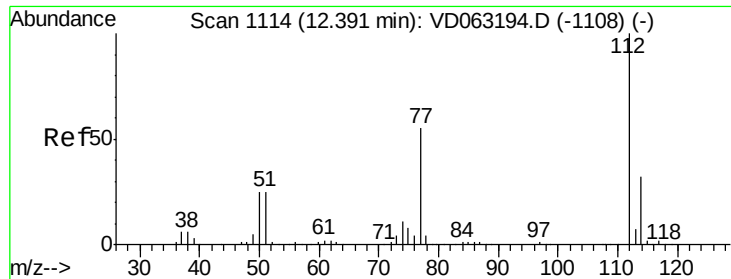
#64
Tetrachloroethene
Concen: 21.336 ug/l
RT: 11.24 min Scan# 997
Delta R.T. -0.01 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

Tgt Ion:164 Resp: 183595
Ion Ratio Lower Upper
164 100
166 129.7 104.3 156.5
129 92.3 70.9 106.3
131 86.3 71.6 107.4



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

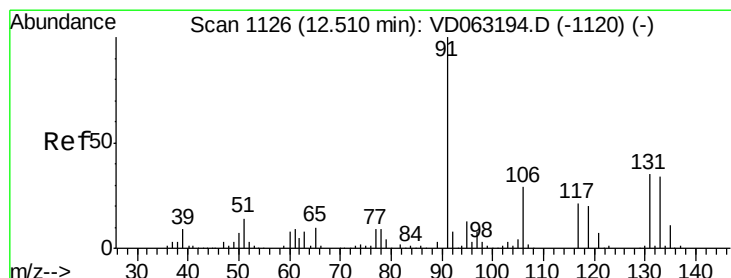
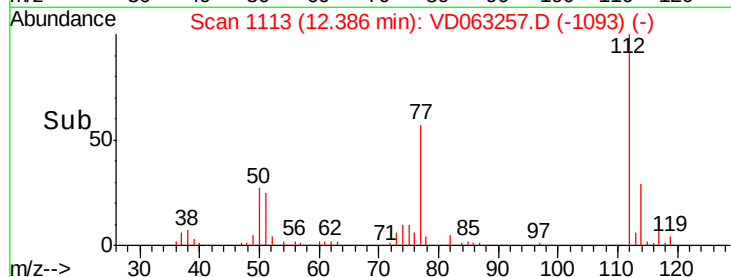
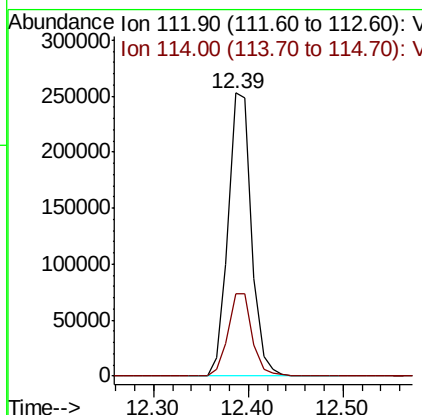
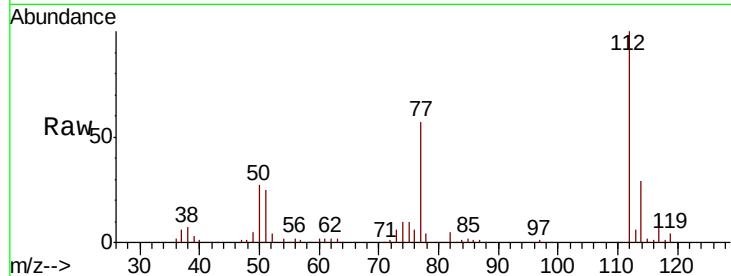




#65
Chlorobenzene
Concen: 20.876 ug/l
RT: 12.39 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

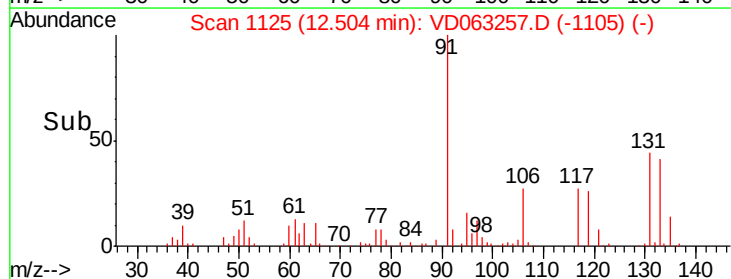
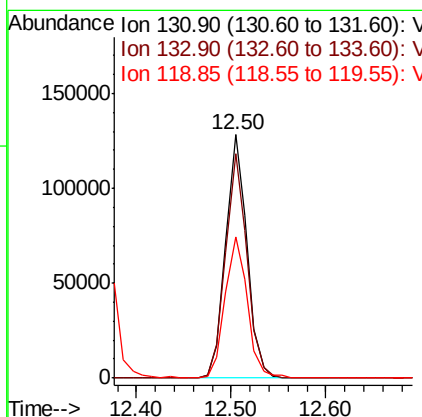
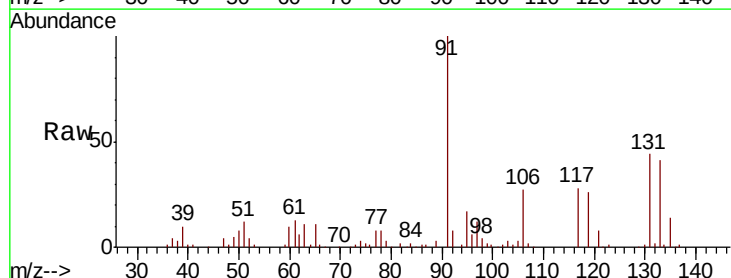
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS02

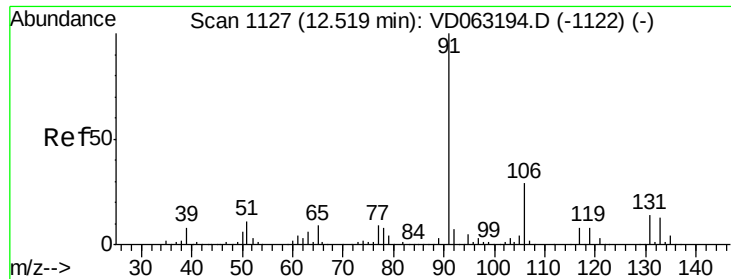
Tot Ion:112 Resp: 433717
Ion Ratio Lower Upper
112 100
114 29.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.875 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

Tgt Ion:131 Resp: 200192
Ion Ratio Lower Upper
131 100
133 92.2 48.4 145.2
119 58.2 29.1 87.3

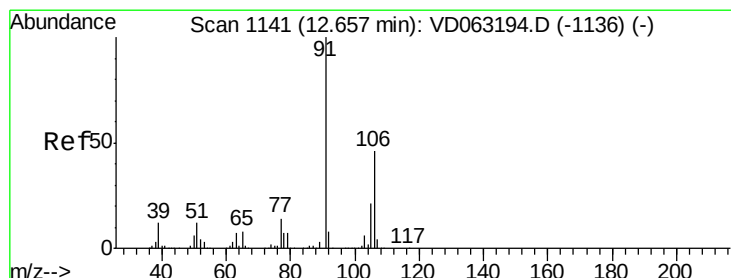
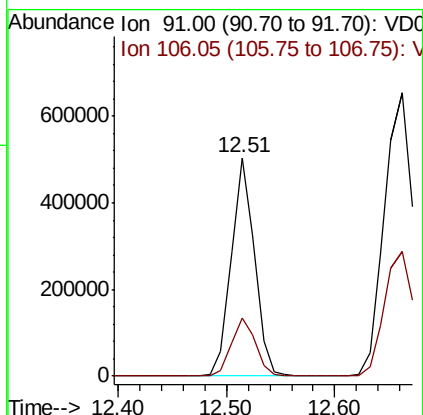
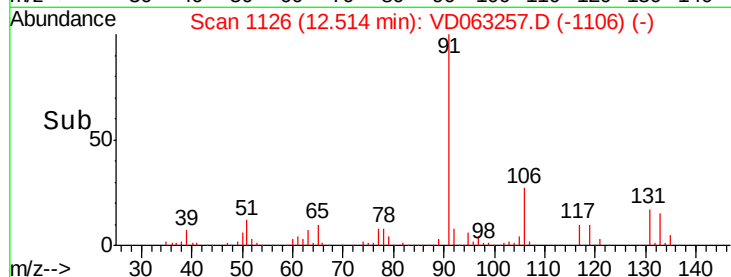
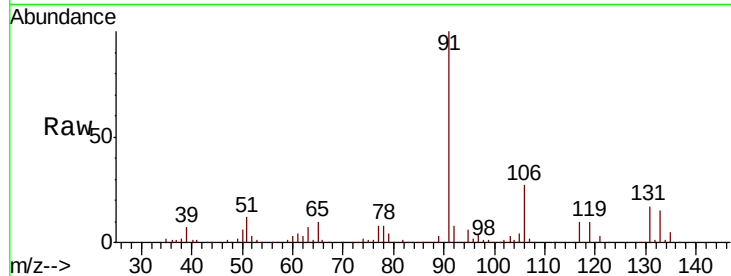




#67
Ethyl Benzene
Concen: 21.436 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

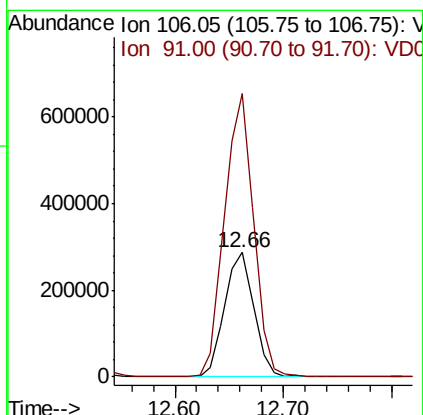
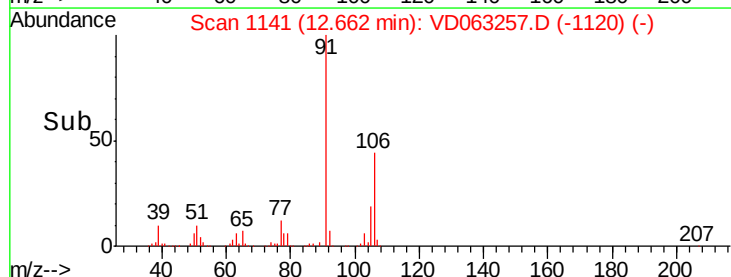
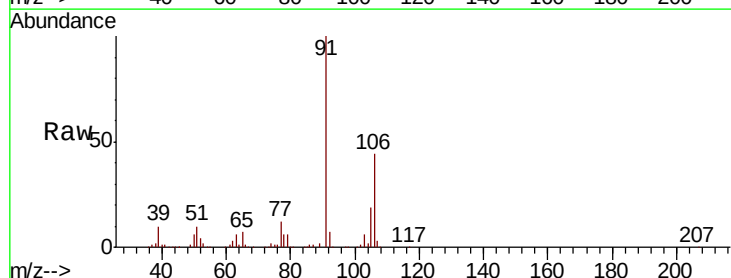
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS02

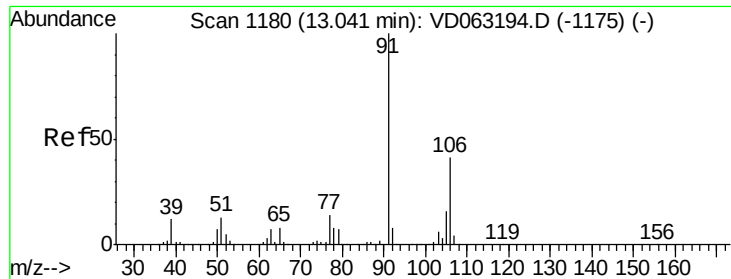
Tot Ion: 91 Resp: 756554
Ion Ratio Lower Upper
91 100
106 26.9 22.9 34.3



#68
m/p-Xylenes
Concen: 42.074 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

Tgt Ion: 106 Resp: 544583
Ion Ratio Lower Upper
106 100
91 227.5 172.6 259.0

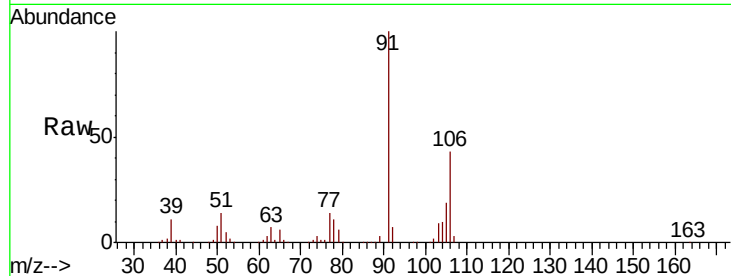




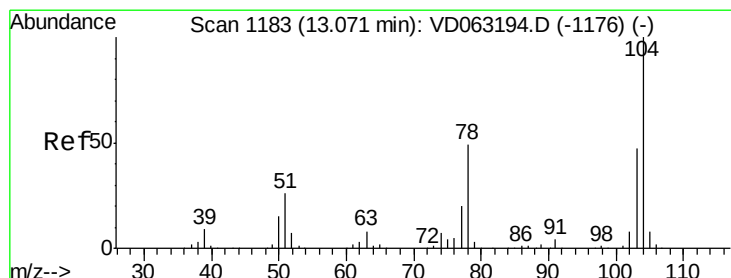
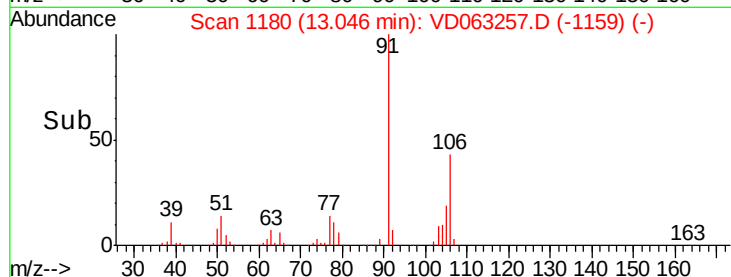
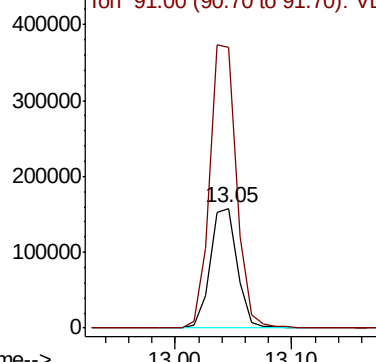
#69
o-Xylene
Concen: 21.257 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS02

Tot Ion:106 Resp: 252660
Ion Ratio Lower Upper
106 100
91 234.2 121.3 363.9

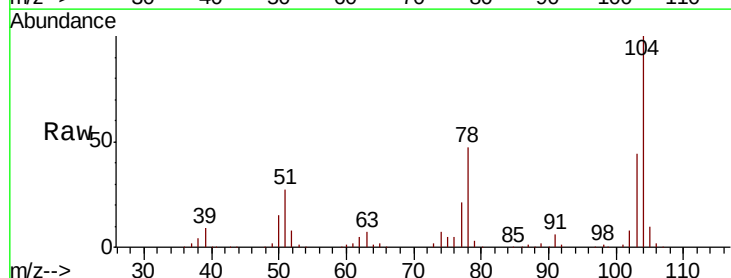


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

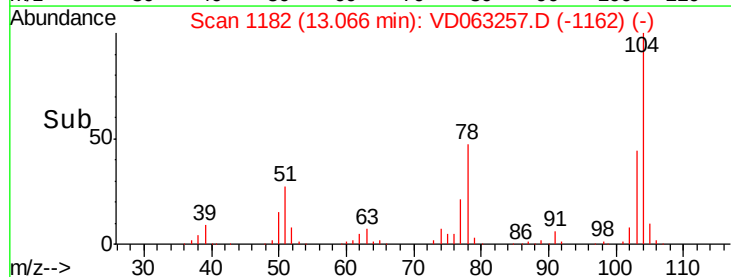
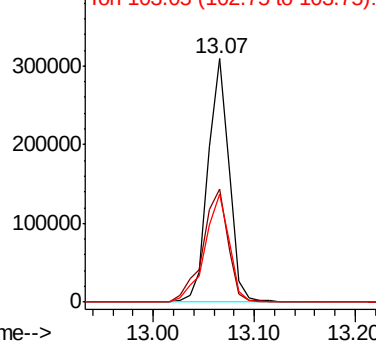


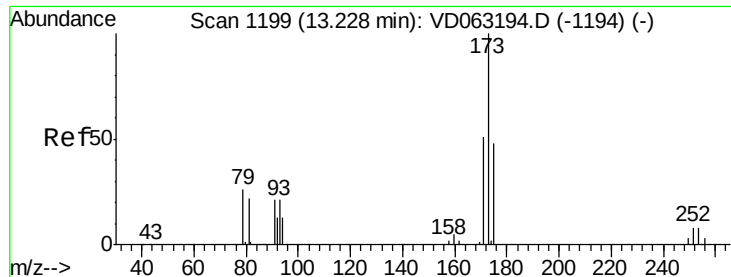
#70
Styrene
Concen: 21.150 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

Tgt Ion:104 Resp: 445819
Ion Ratio Lower Upper
104 100
78 46.7 39.4 59.0
103 44.4 37.4 56.2



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





#71

Bromoform

Concen: 20.276 ug/l

RT: 13.22 min Scan# 1198

Delta R.T. -0.01 min

Lab File: VD063257.D

Acq: 31 Jul 2019 00:11

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS02

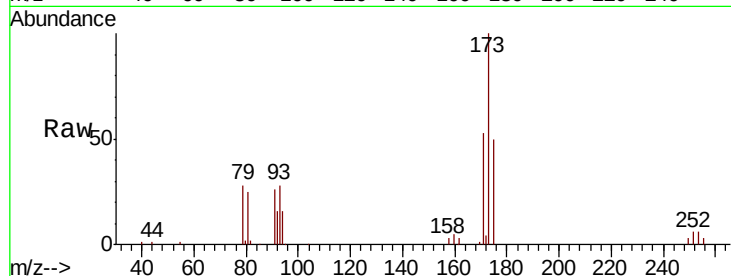
Tot Ion:173 Resp: 134940

Ion Ratio Lower Upper

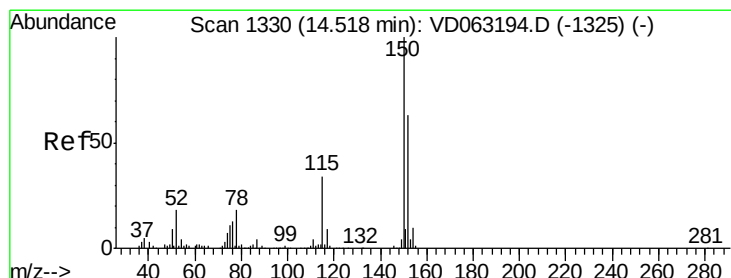
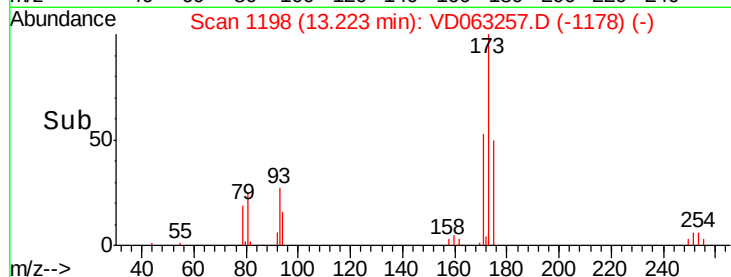
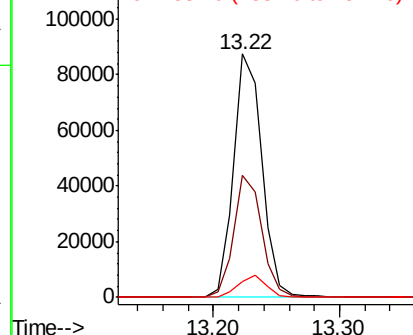
173 100

175 49.9 23.8 71.5

254 6.4 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: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD063257.D

Acq: 31 Jul 2019 00:11

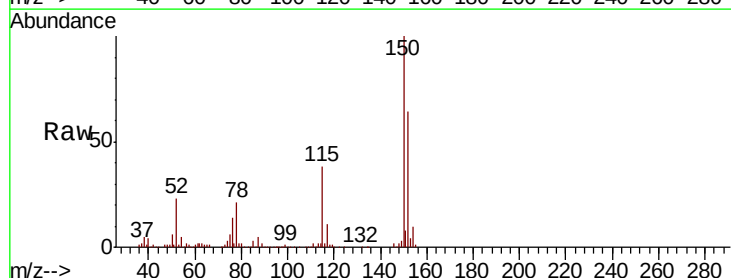
Tgt Ion:152 Resp: 585930

Ion Ratio Lower Upper

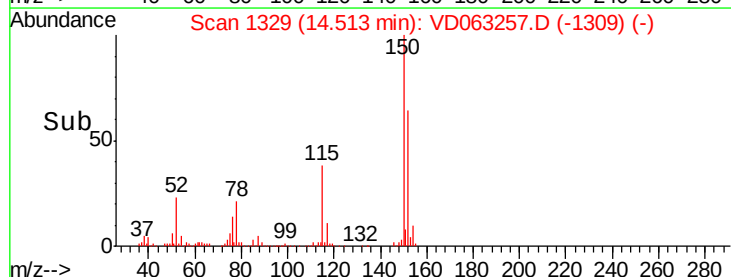
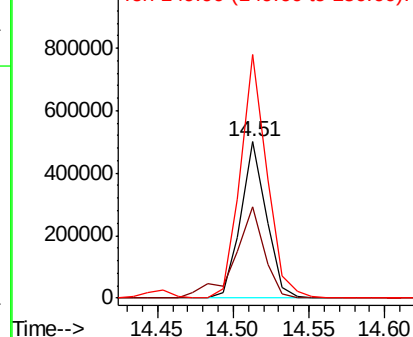
152 100

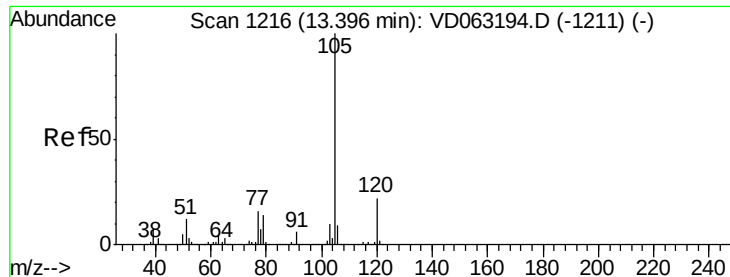
115 58.5 27.5 82.4

150 155.6 0.0 320.6



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





#73

Isopropylbenzene

Concen: 20.630 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD063257.D

Acq: 31 Jul 2019 00:11

Instrument :

MSVOA_D

ClientSampleId :

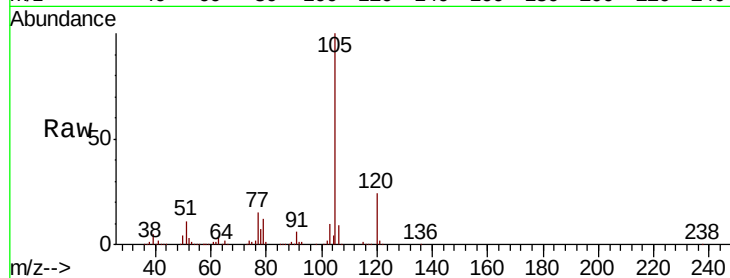
VD0730SBS02

Tot Ion:105 Resp: 758645

Ion Ratio Lower Upper

105 100

120 23.8 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

600000

500000

400000

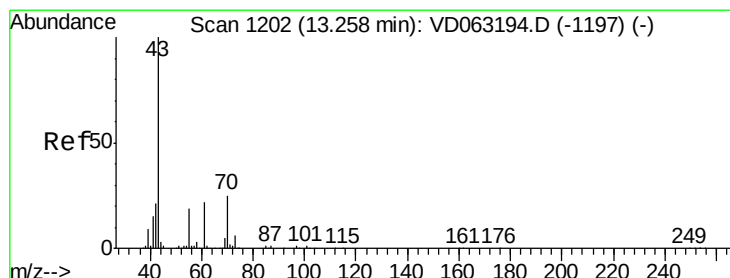
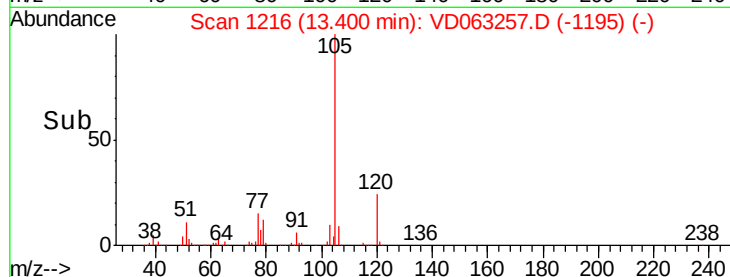
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 20.034 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD063257.D

Acq: 31 Jul 2019 00:11

Tgt Ion: 43 Resp: 194770

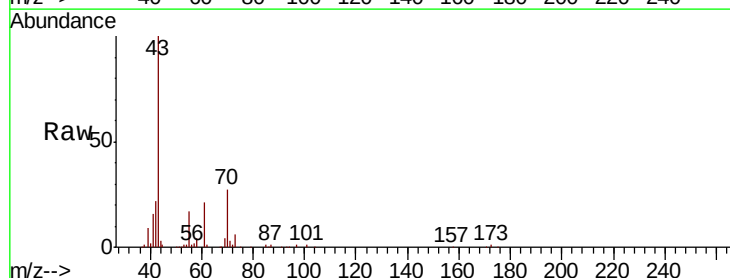
Ion Ratio Lower Upper

43 100

70 27.5 20.2 30.4

55 17.3 14.9 22.3

61 21.2 17.9 26.9



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

200000

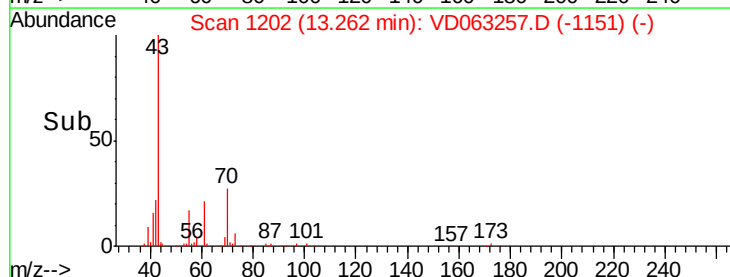
150000

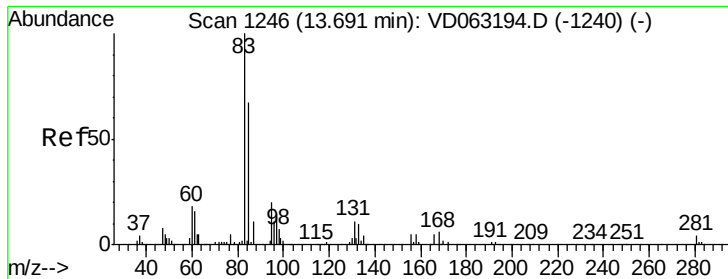
100000

50000

0

Time--> 13.20 13.25 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 22.735 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD063257.D

Acq: 31 Jul 2019 00:11

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS02

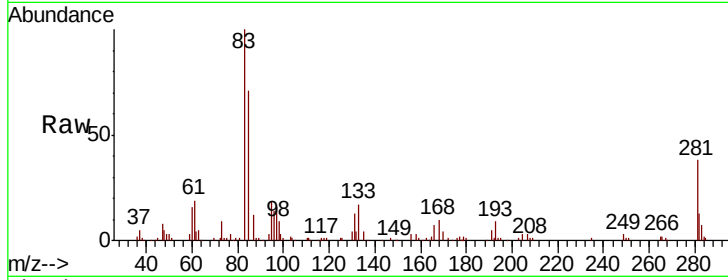
Tot Ion: 83 Resp: 142021

Ion Ratio Lower Upper

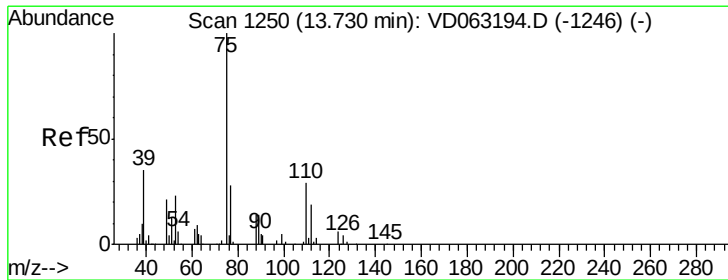
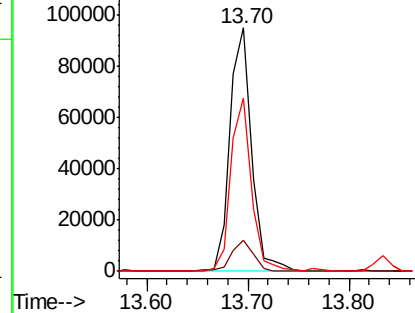
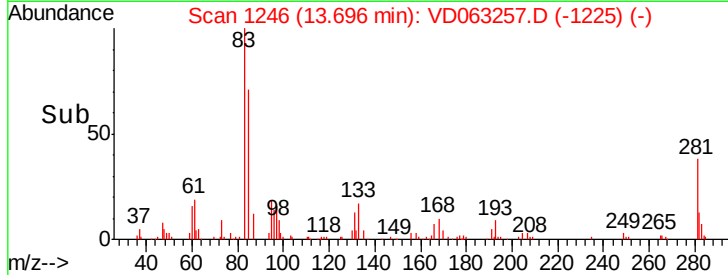
83 100

131 12.9 5.5 16.7

85 71.2 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: 20.081 ug/l

RT: 13.73 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD063257.D

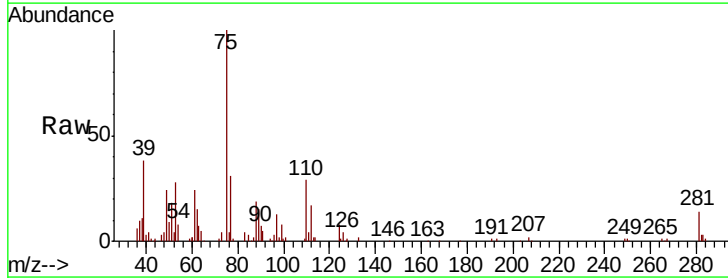
Acq: 31 Jul 2019 00:11

Tgt Ion: 75 Resp: 141323

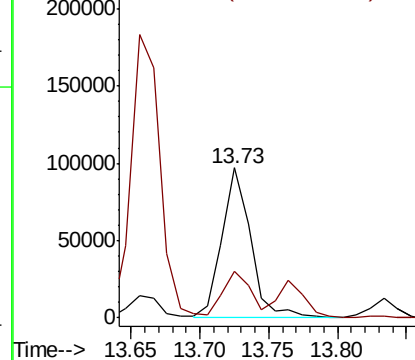
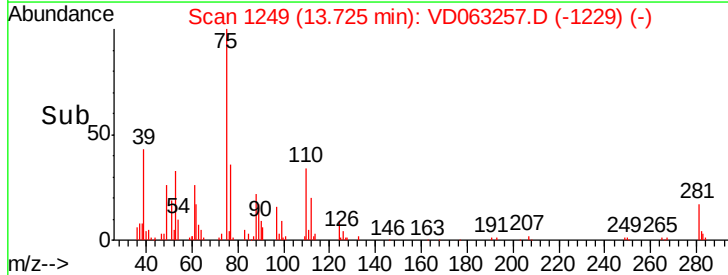
Ion Ratio Lower Upper

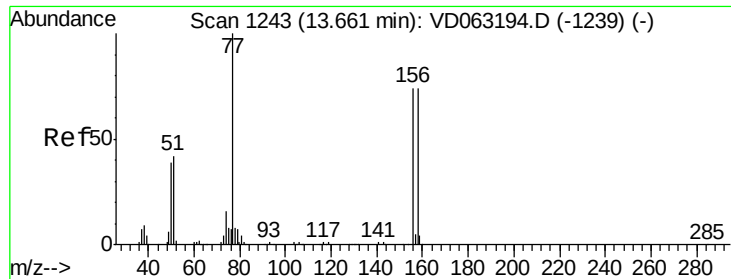
75 100

77 31.1 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: 19.776 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD063257.D

Acq: 31 Jul 2019 00:11

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS02

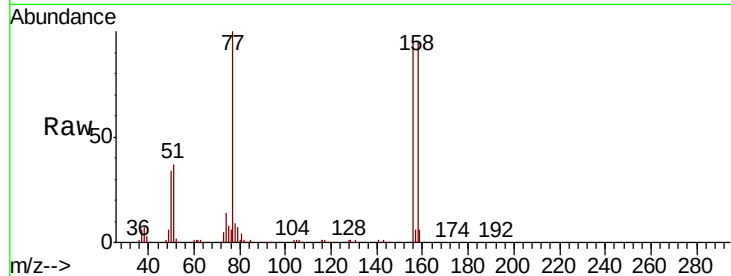
Tot Ion:156 Resp: 207172

Ion Ratio Lower Upper

156 100

77 105.1 67.6 202.8

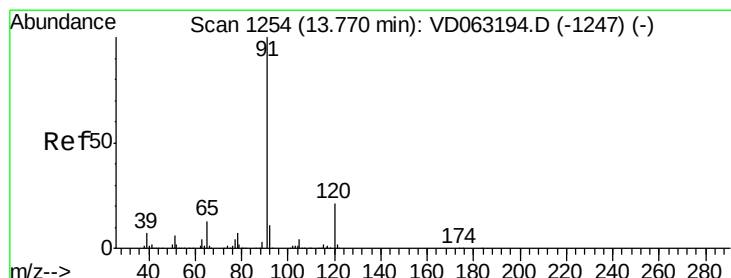
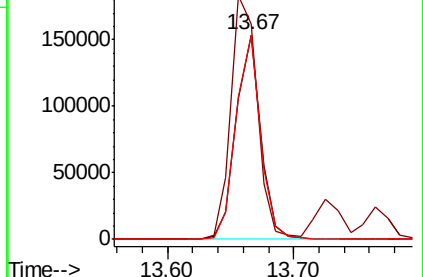
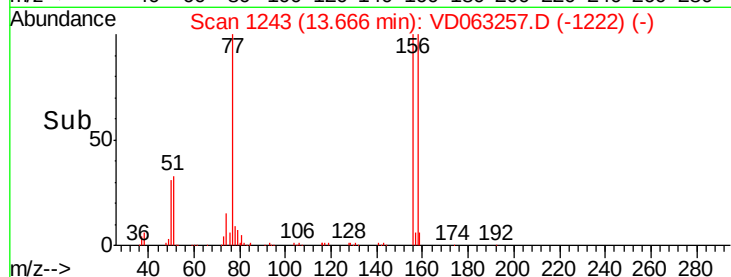
158 100.0 49.8 149.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 18.348 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD063257.D

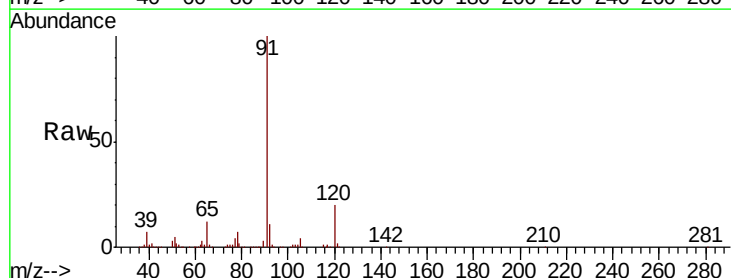
Acq: 31 Jul 2019 00:11

Tgt Ion: 91 Resp: 802966

Ion Ratio Lower Upper

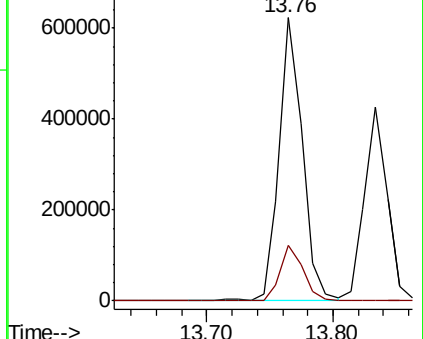
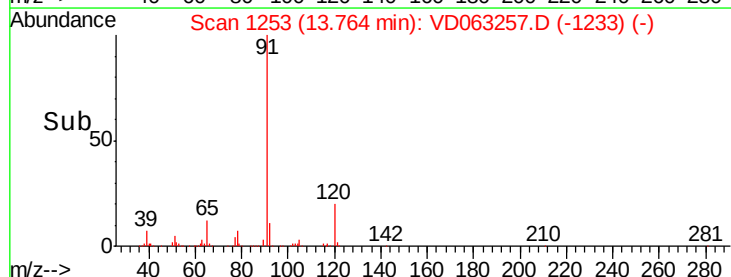
91 100

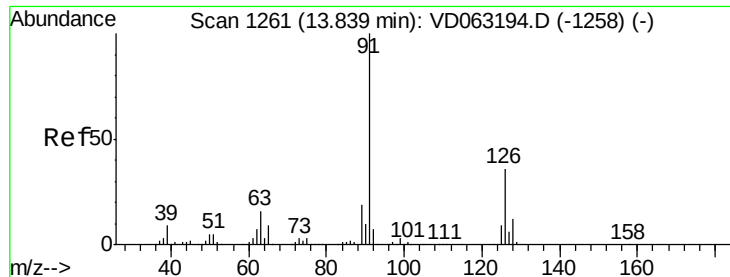
120 19.7 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

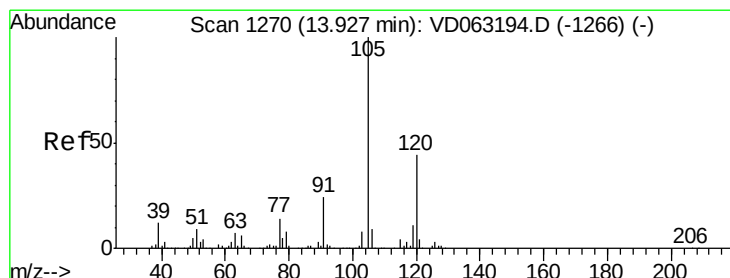
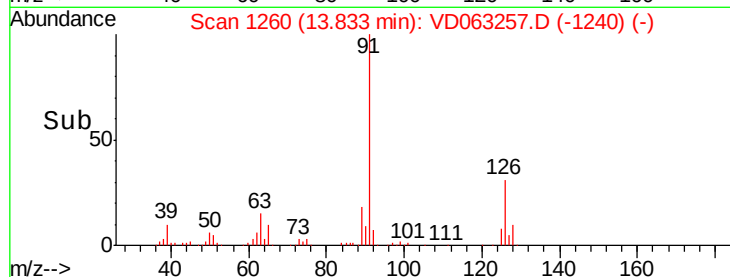
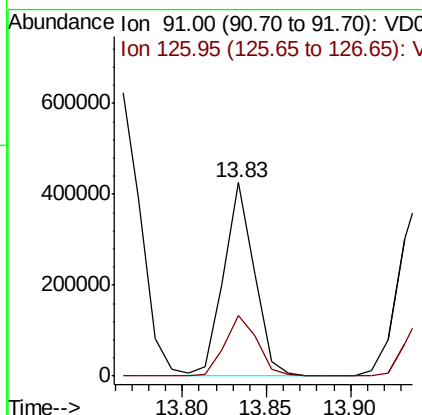
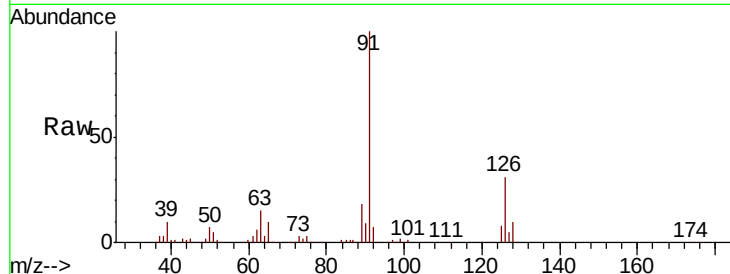




#79
 2-Chlorotoluene
 Concen: 21.146 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD063257.D
 Acq: 31 Jul 2019 00:11

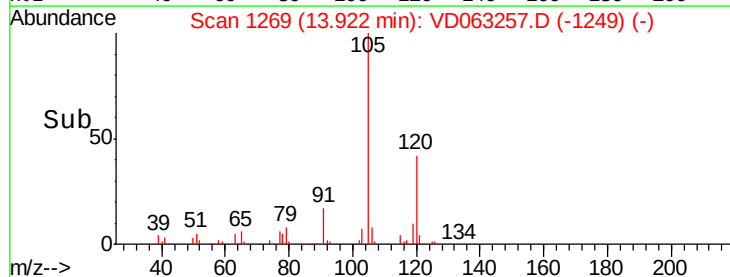
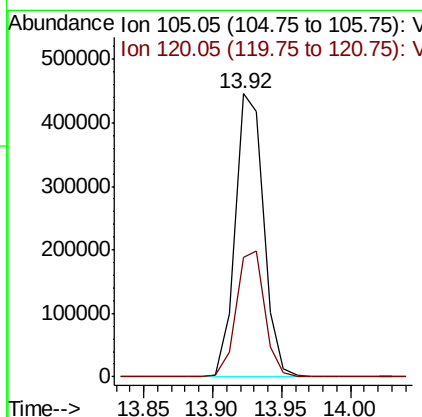
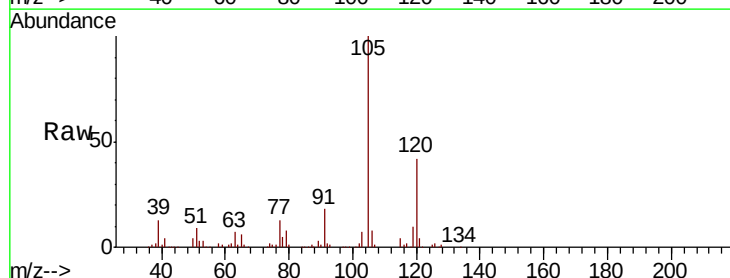
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS02

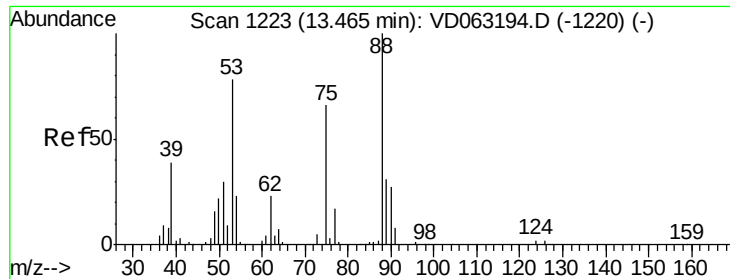
Tot Ion: 91 Resp: 536204
 Ion Ratio Lower Upper
 91 100
 126 31.4 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 20.242 ug/l
 RT: 13.92 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD063257.D
 Acq: 31 Jul 2019 00:11

Tgt Ion: 105 Resp: 642029
 Ion Ratio Lower Upper
 105 100
 120 42.0 22.1 66.1

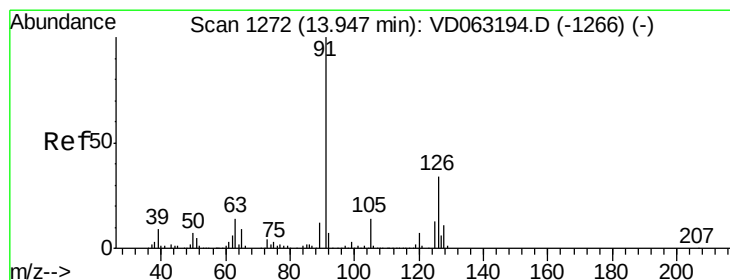
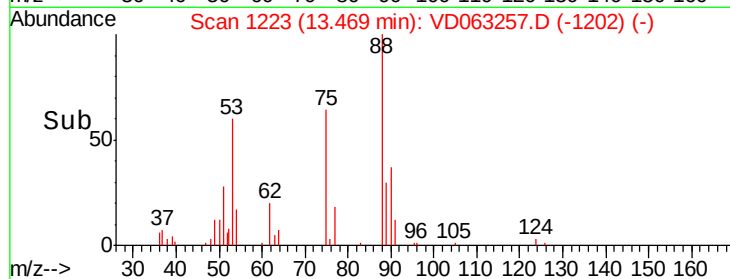
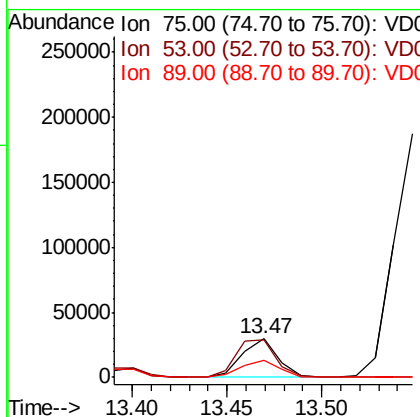
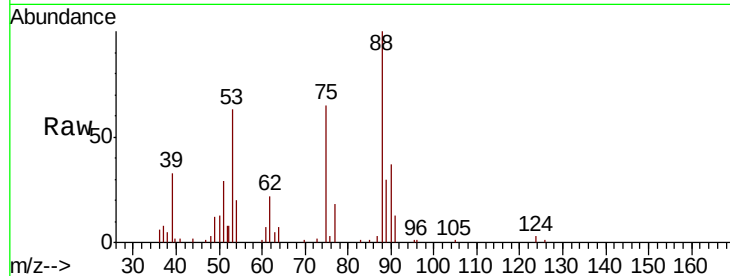




#81
trans-1,4-Dichloro-2-butene
Concen: 19.765 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

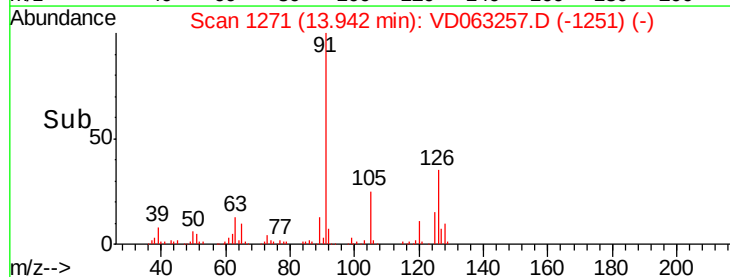
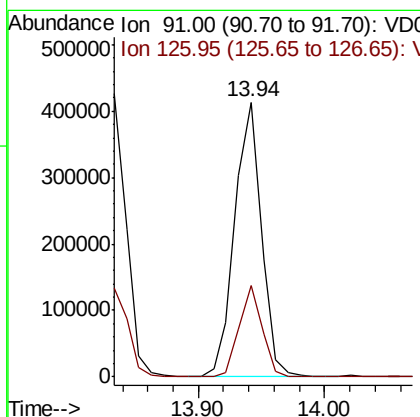
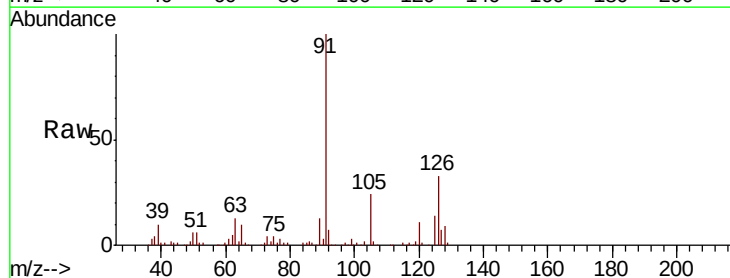
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS02

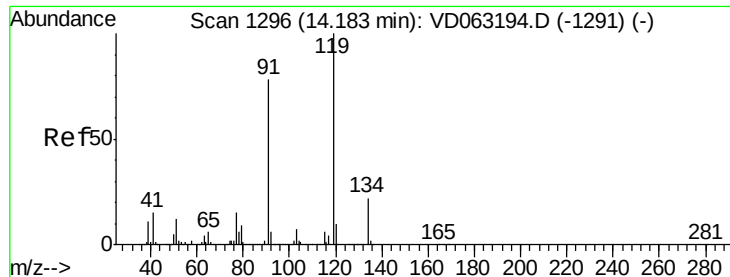
Tot Ion: 75 Resp: 38625
Ion Ratio Lower Upper
75 100
53 96.8 94.9 142.3
89 45.4 37.4 56.0



#82
4-Chlorotoluene
Concen: 20.124 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

Tgt Ion: 91 Resp: 600555
Ion Ratio Lower Upper
91 100
126 33.4 17.1 51.2

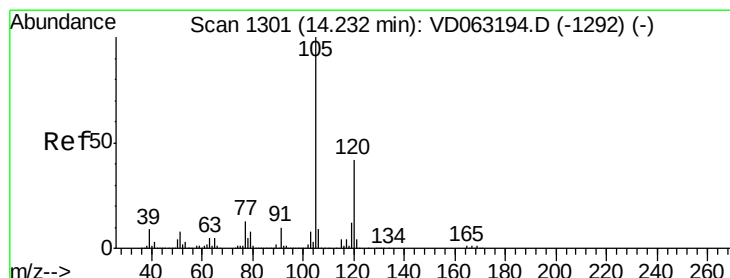
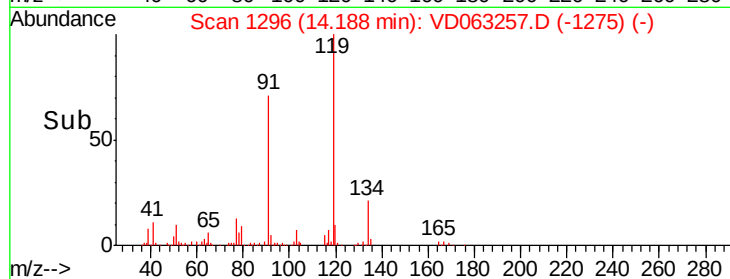
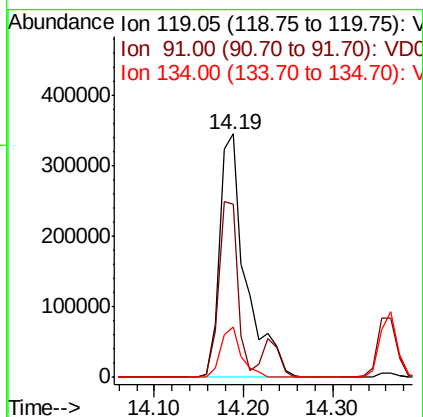
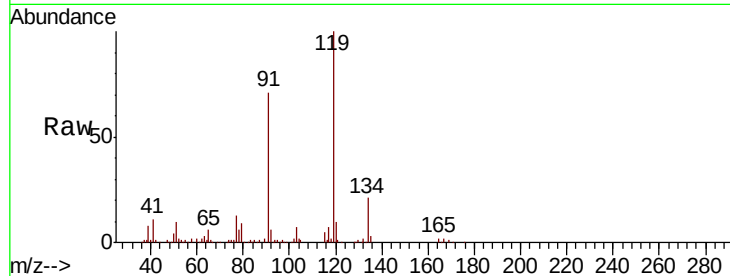




#83
 tert-Butylbenzene
 Concen: 19.561 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD063257.D
 Acq: 31 Jul 2019 00:11

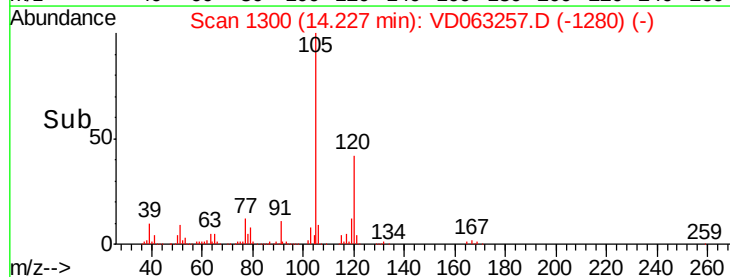
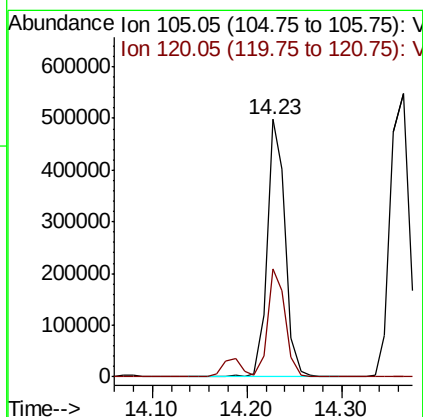
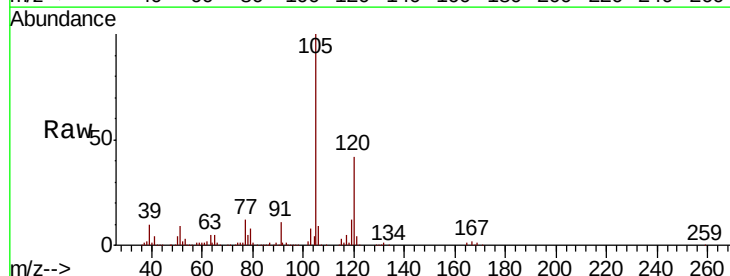
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS02

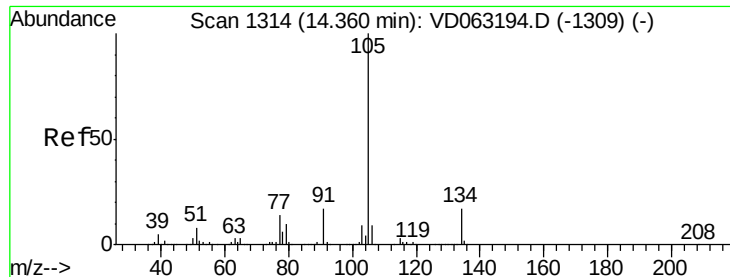
Tot Ion:119 Resp: 708421
 Ion Ratio Lower Upper
 119 100
 91 71.3 39.1 117.5
 134 20.7 10.9 32.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.221 ug/l
 RT: 14.23 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: VD063257.D
 Acq: 31 Jul 2019 00:11

Tgt Ion:105 Resp: 663407
 Ion Ratio Lower Upper
 105 100
 120 41.8 20.9 62.7





#85

sec-Butylbenzene

Concen: 19.952 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD063257.D

Acq: 31 Jul 2019 00:11

Instrument :

MSVOA_D

ClientSampleId :

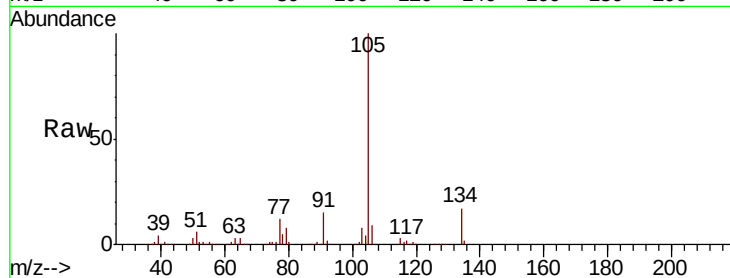
VD0730SBS02

Tot Ion:105 Resp: 761310

Ion Ratio Lower Upper

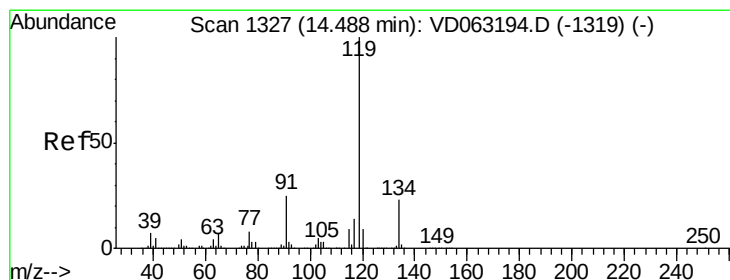
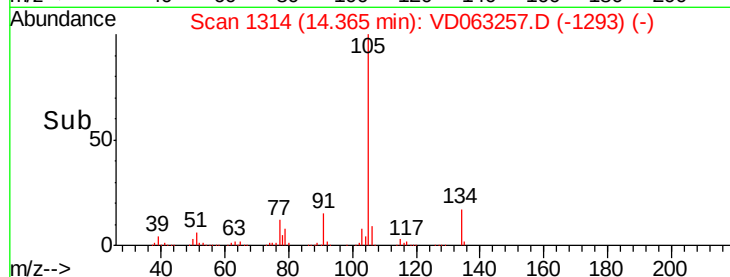
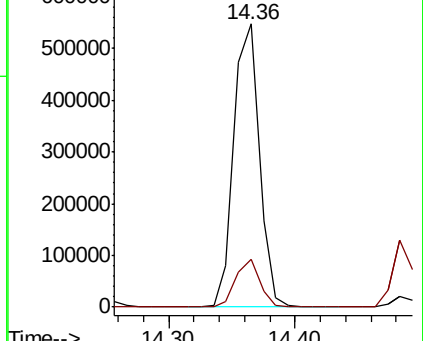
105 100

134 17.1 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 19.006 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VD063257.D

Acq: 31 Jul 2019 00:11

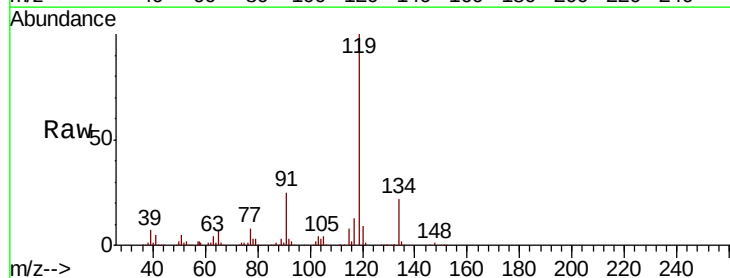
Tgt Ion:119 Resp: 692175

Ion Ratio Lower Upper

119 100

134 21.9 11.5 34.5

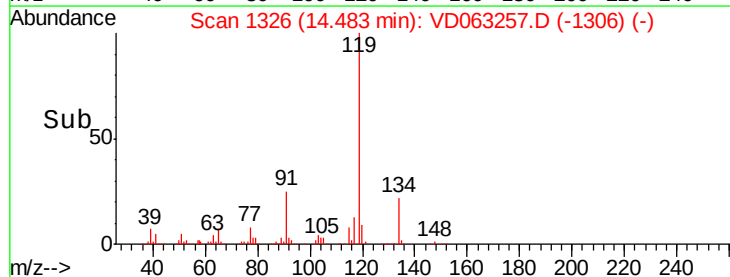
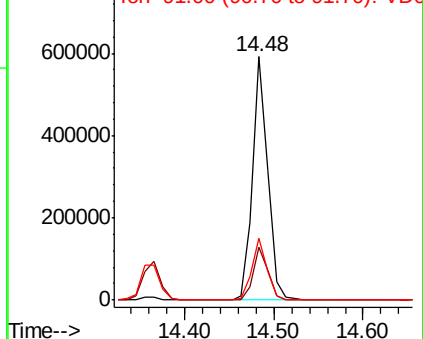
91 25.5 12.6 37.6

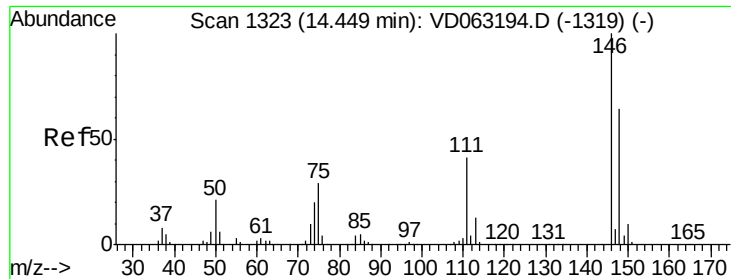


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

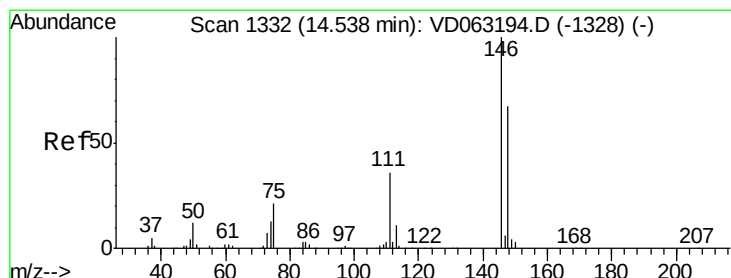
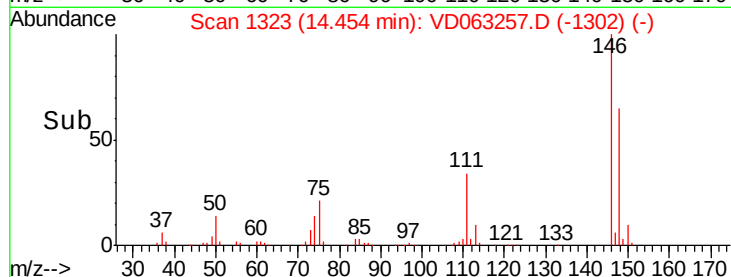
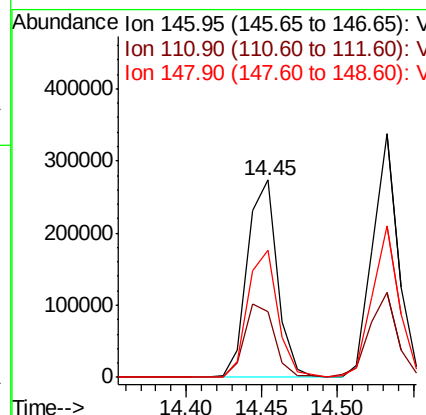
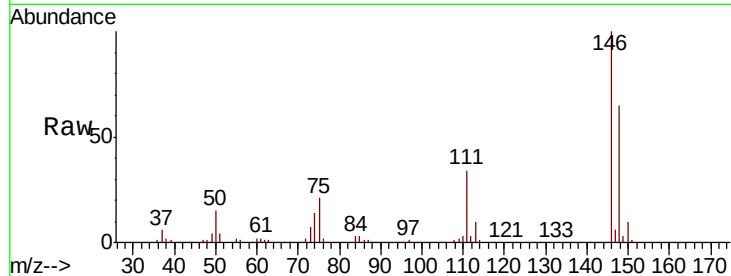




#87
 1,3-Dichlorobenzene
 Concen: 20.224 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD063257.D
 Acq: 31 Jul 2019 00:11

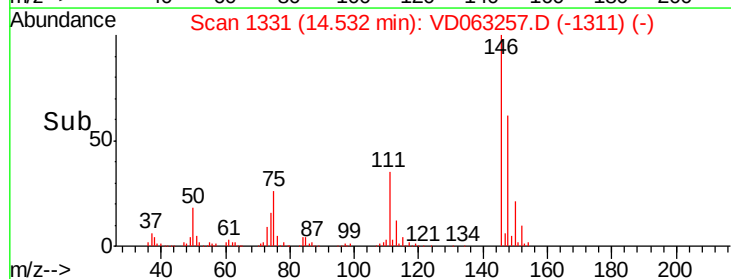
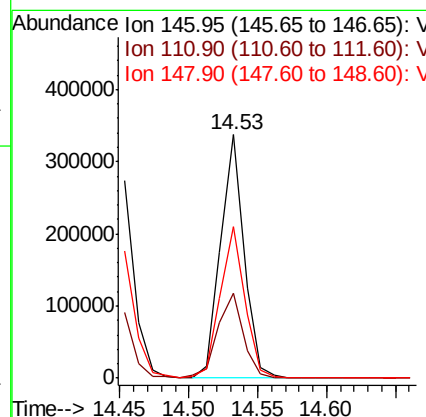
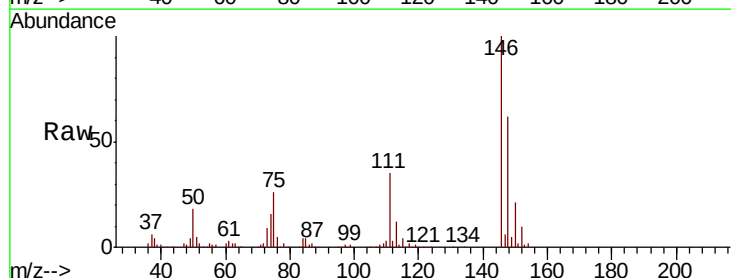
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS02

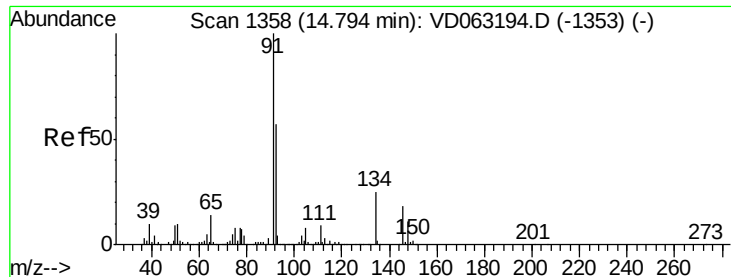
Tot Ion:146 Resp: 375203
 Ion Ratio Lower Upper
 146 100
 111 33.6 20.4 61.3
 148 64.8 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 21.306 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD063257.D
 Acq: 31 Jul 2019 00:11

Tgt Ion:146 Resp: 399716
 Ion Ratio Lower Upper
 146 100
 111 34.7 18.1 54.3
 148 62.3 33.4 100.1

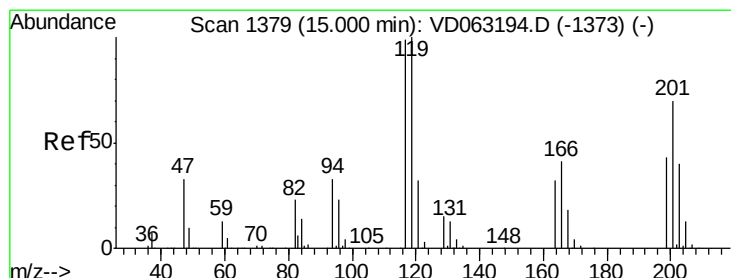
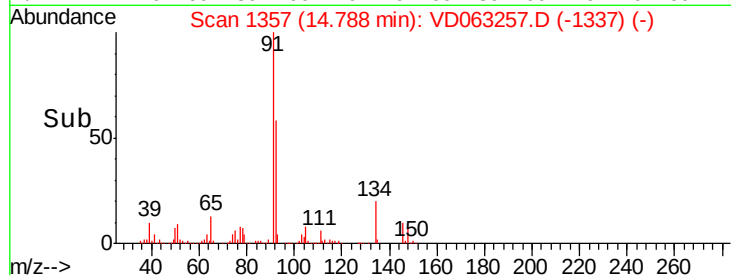
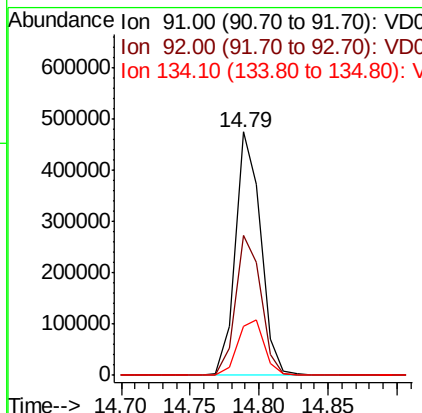
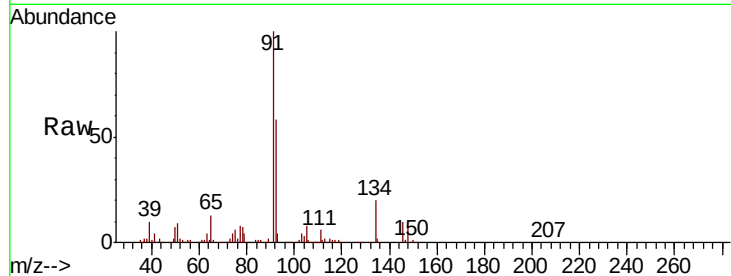




#89
n-Butylbenzene
Concen: 19.422 ug/l
RT: 14.79 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

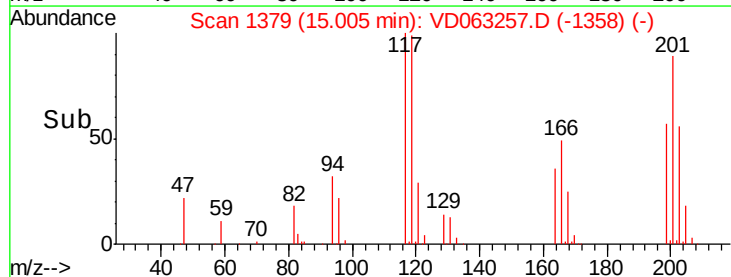
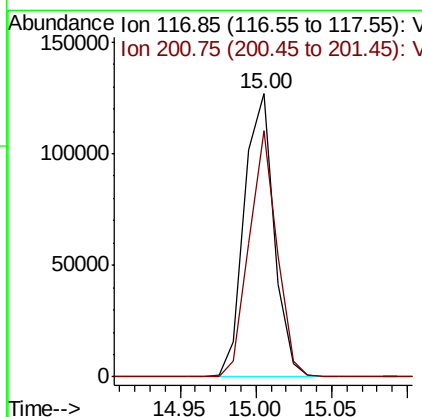
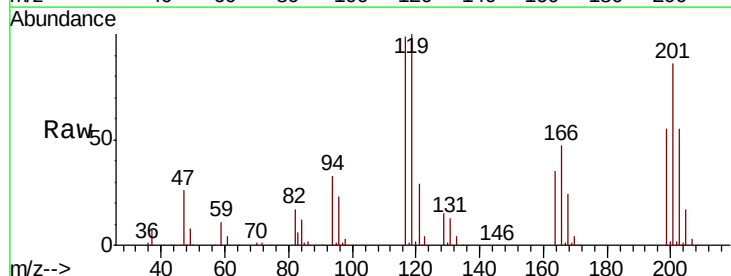
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS02

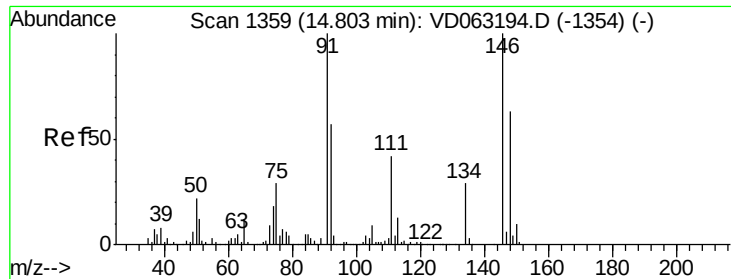
Tot Ion: 91 Resp: 610898
Ion Ratio Lower Upper
91 100
92 57.5 28.3 85.0
134 20.1 12.3 36.8



#90
Hexachloroethane
Concen: 18.258 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

Tgt Ion: 117 Resp: 173238
Ion Ratio Lower Upper
117 100
201 86.9 35.2 105.6

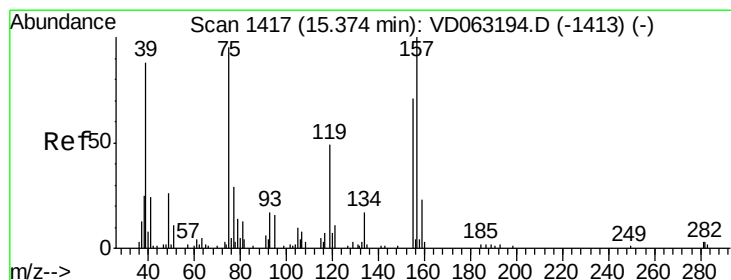
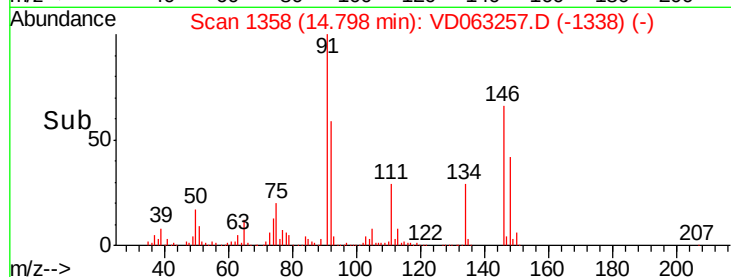
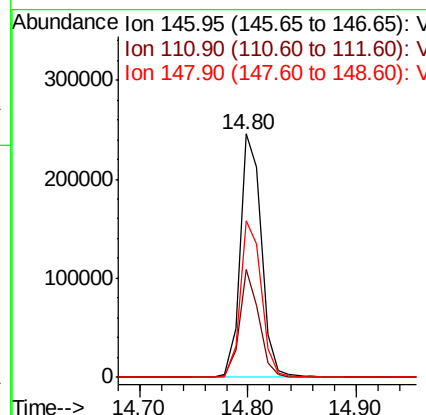
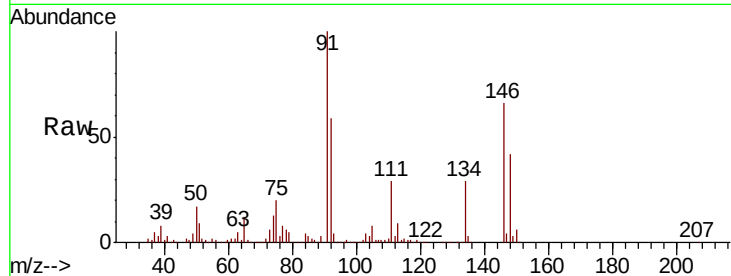




#91
1,2-Dichlorobenzene
Concen: 20.696 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

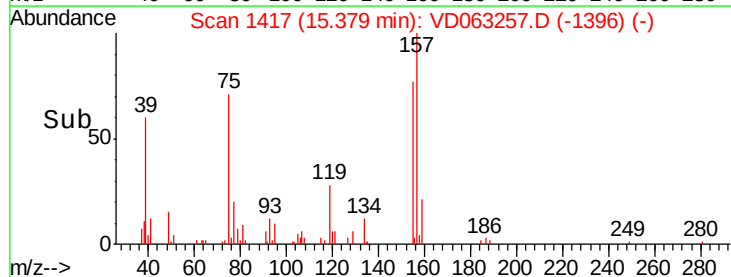
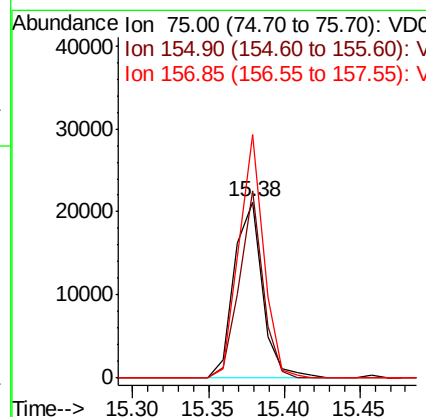
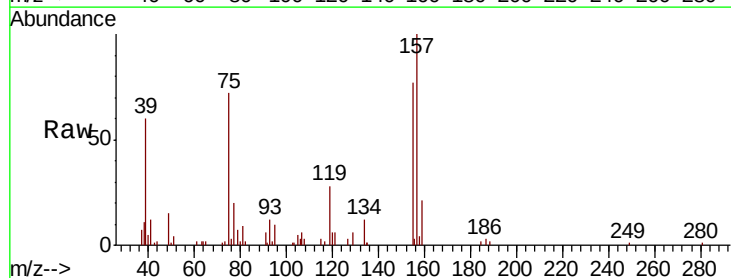
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS02

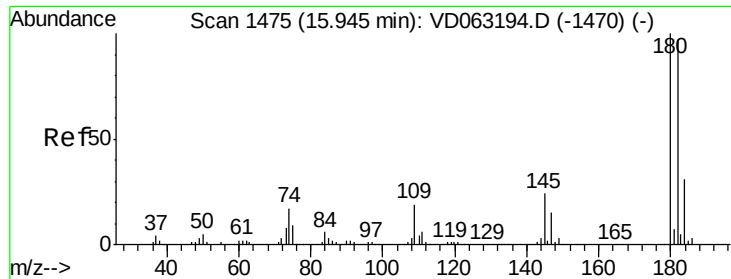
Tot Ion:146 Resp: 334528
Ion Ratio Lower Upper
146 100
111 44.3 21.1 63.3
148 64.1 31.6 94.8



#92
1,2-Dibromo-3-Chloropropane
Concen: 21.651 ug/l
RT: 15.38 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

Tgt Ion: 75 Resp: 27549
Ion Ratio Lower Upper
75 100
155 106.5 37.0 111.0
157 138.3 52.4 157.2

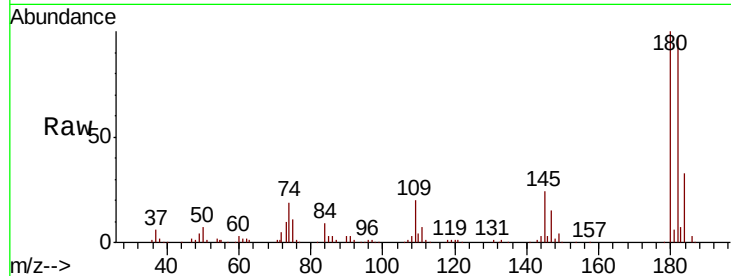




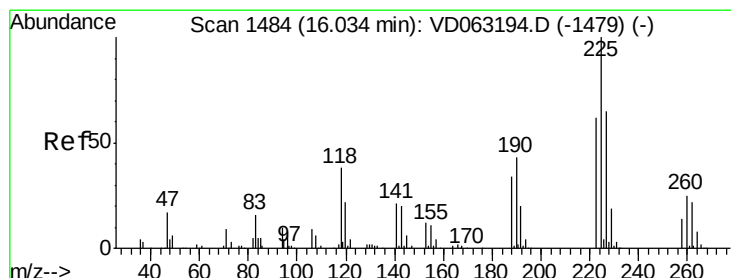
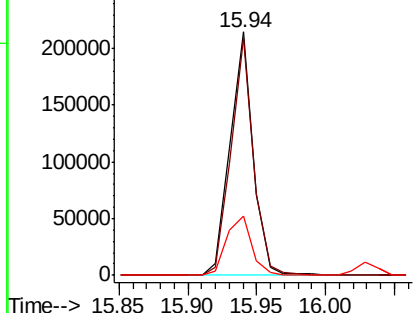
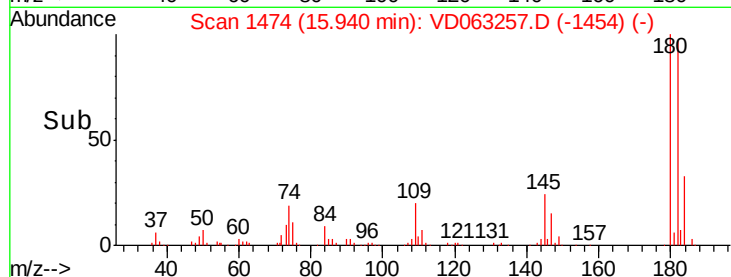
#93
 1,2,4-Trichlorobenzene
 Concen: 19.404 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063257.D
 Acq: 31 Jul 2019 00:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS02

Tot Ion:180 Resp: 248818
 Ion Ratio Lower Upper
 180 100
 182 97.4 48.6 145.8
 145 24.3 12.2 36.6

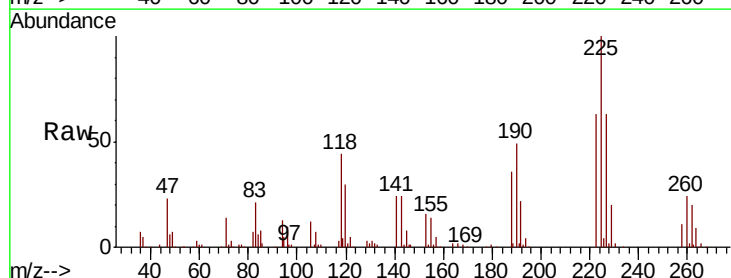


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

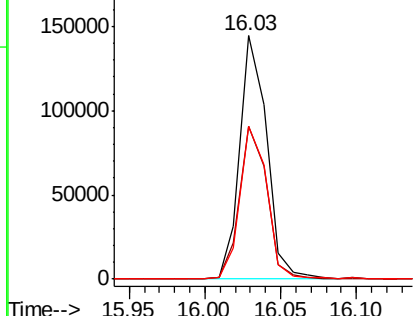
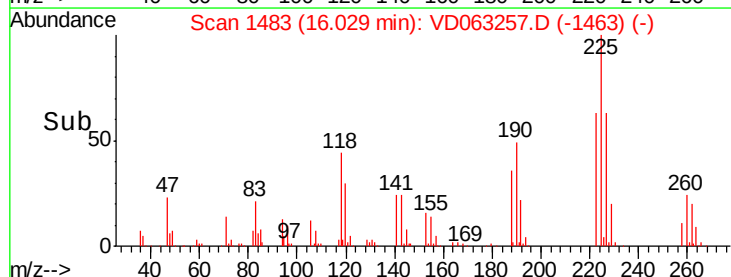


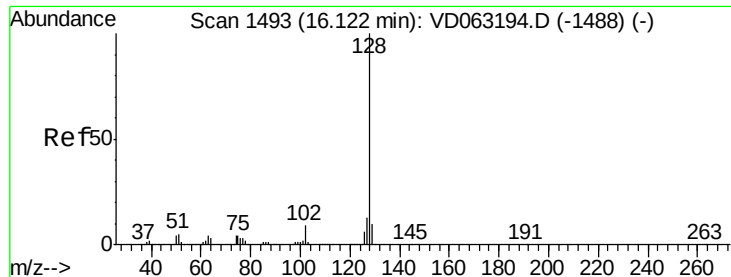
#94
 Hexachlorobutadiene
 Concen: 19.308 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: VD063257.D
 Acq: 31 Jul 2019 00:11

Tgt Ion:225 Resp: 179424
 Ion Ratio Lower Upper
 225 100
 223 62.8 30.9 92.5
 227 62.6 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

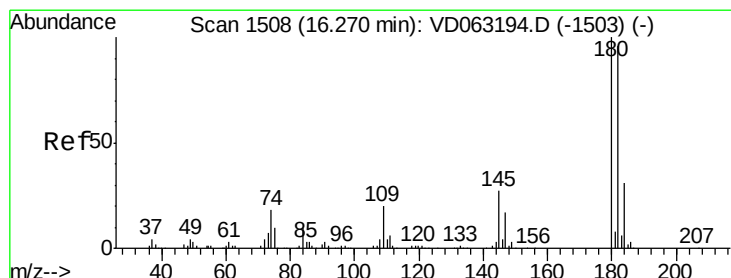
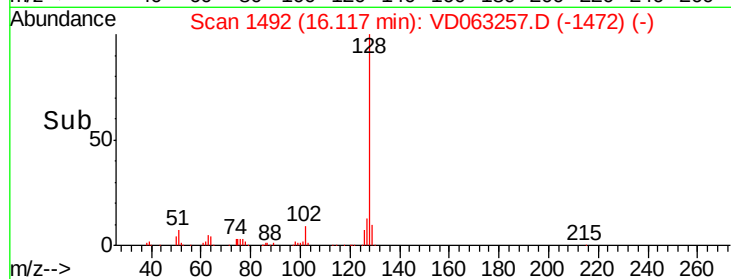
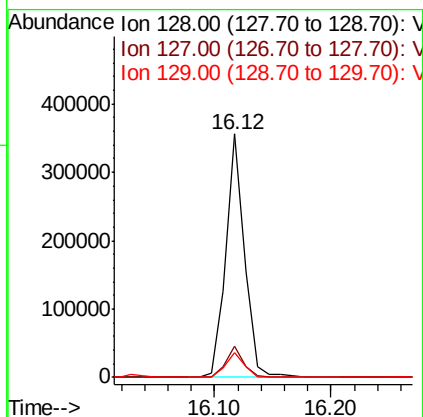
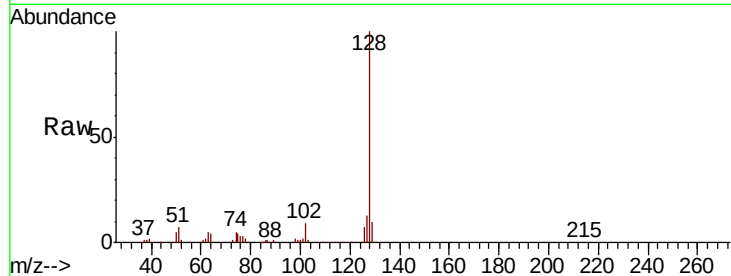




#95
Naphthalene
Concen: 21.865 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS02

Tot Ion:128 Resp: 396291
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.3 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 21.101 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD063257.D
Acq: 31 Jul 2019 00:11

Tgt Ion:180 Resp: 213759
Ion Ratio Lower Upper
180 100
182 94.6 48.3 144.9
145 28.3 13.6 40.7

