

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063197.D
 Acq On : 29 Jul 2019 14:08
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD072919

Quant Time: Jul 30 03:10:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1053488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1434502	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1079215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	637736	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	568333	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
35) Dibromofluoromethane	6.91	113	648822	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	
50) Toluene-d8	10.41	98	1404444	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
62) 4-Bromofluorobenzene	13.55	95	613210	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	569179	44.200	ug/l	92
3) Chloromethane	1.73	50	466575	46.634	ug/l	95
4) Vinyl Chloride	1.83	62	504358	48.695	ug/l	99
5) Bromomethane	2.14	94	269824	51.654	ug/l	98
6) Chloroethane	2.26	64	237504	49.666	ug/l	94
7) Trichlorofluoromethane	2.52	101	993291	49.433	ug/l	97
8) Diethyl Ether	2.86	74	126870	45.115	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.14	101	560028	50.315	ug/l	96
10) Methyl Iodide	3.29	142	753982	46.891	ug/l	97
11) Tert butyl alcohol	4.06	59	110914	216.211	ug/l	94
12) 1,1-Dichloroethene	3.11	96	403606	49.394	ug/l	85
13) Acrolein	3.01	56	114801	232.530	ug/l	99
14) Allyl chloride	3.60	41	634327	48.730	ug/l	90
15) Acrylonitrile	4.19	53	312591	235.037	ug/l	90
16) Acetone	3.21	43	603897	265.151	ug/l	99
17) Carbon Disulfide	3.36	76	1335688	48.837	ug/l	98
18) Methyl Acetate	3.62	43	190031	43.438	ug/l	94
19) Methyl tert-butyl Ether	4.23	73	929436	50.355	ug/l	97
20) Methylene Chloride	3.80	84	426609	46.339	ug/l	93
21) trans-1,2-Dichloroethene	4.20	96	458522	50.011	ug/l	93
22) Diisopropyl ether	5.10	45	1281009	49.257	ug/l	95
23) Vinyl Acetate	5.04	43	3980594	248.999	ug/l	100
24) 1,1-Dichloroethane	4.96	63	821589	49.458	ug/l	97
25) 2-Butanone	6.06	43	586533	256.607	ug/l	94
26) 2,2-Dichloropropane	6.01	77	862814	50.400	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	460793	46.877	ug/l	98
28) Bromochloromethane	6.42	49	326770	49.371	ug/l #	93
29) Tetrahydrofuran	6.45	42	252961	233.752	ug/l	99
30) Chloroform	6.65	83	938972	45.547	ug/l	97
31) Cyclohexane	6.94	56	533592	51.245	ug/l	95
32) 1,1,1-Trichloroethane	6.85	97	987186	49.506	ug/l	97
36) 1,1-Dichloropropene	7.14	75	660115	50.423	ug/l	98
37) Ethyl Acetate	6.17	43	264711	45.007	ug/l #	97
38) Carbon Tetrachloride	7.10	117	1022172	51.863	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063197.D
 Acq On : 29 Jul 2019 14:08
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD072919

Quant Time: Jul 30 03:10:24 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	553610	50.755	ug/l	92
40) Benzene	7.44	78	1421164	51.796	ug/l	97
41) Methacrylonitrile	6.43	41	336267	47.796	ug/l #	82
42) 1,2-Dichloroethane	7.57	62	682213	46.915	ug/l	96
43) Isopropyl Acetate	9.24	43	373792	49.752	ug/l	97
44) Trichloroethene	8.53	130	551346	49.590	ug/l	97
45) 1,2-Dichloropropane	8.93	63	362030	51.912	ug/l	94
46) Dibromomethane	9.06	93	276029	47.602	ug/l	91
47) Bromodichloromethane	9.37	83	703431	47.588	ug/l	97
48) Methyl methacrylate	9.11	41	244476	50.173	ug/l	91
49) 1,4-Dioxane	9.08	88	41598	1007.807	ug/l #	81
51) 4-Methyl-2-Pentanone	10.30	43	1203102	235.463	ug/l	96
52) Toluene	10.51	92	882795	48.375	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	634386	49.780	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	687554	51.336	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	291700	47.329	ug/l	96
56) Ethyl methacrylate	11.04	69	347434	51.480	ug/l	91
57) 1,3-Dichloropropane	11.40	76	459646	47.334	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.85	63	822255	234.145	ug/l	96
59) 2-Hexanone	11.53	43	899186	244.203	ug/l	93
60) Dibromochloromethane	11.68	129	571693	49.135	ug/l	98
61) 1,2-Dibromoethane	11.81	107	383708	50.454	ug/l	92
64) Tetrachloroethene	11.25	164	491976	57.222	ug/l	99
65) Chlorobenzene	12.40	112	1094125	52.708	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	498290	54.495	ug/l	95
67) Ethyl Benzene	12.52	91	1813210	51.419	ug/l	97
68) m/p-Xylenes	12.66	106	1442523	111.545	ug/l	97
69) o-Xylene	13.05	106	662539	55.789	ug/l	91
70) Styrene	13.07	104	1182394	56.142	ug/l	97
71) Bromoform	13.23	173	360211	54.171	ug/l	99
73) Isopropylbenzene	13.40	105	1885575	47.109	ug/l	98
74) N-amyl acetate	13.26	43	519206	49.068	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	331785	48.799	ug/l	98
76) 1,2,3-Trichloropropane	13.72	75	363661	47.475	ug/l	99
77) Bromobenzene	13.67	156	573936	50.335	ug/l	91
78) n-propylbenzene	13.77	91	2345931	49.251	ug/l	97
79) 2-Chlorotoluene	13.83	91	1393216	50.479	ug/l	93
80) 1,3,5-Trimethylbenzene	13.93	105	1749431	50.675	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	100140	47.080	ug/l	98
82) 4-Chlorotoluene	13.94	91	1595664	49.126	ug/l	95
83) tert-Butylbenzene	14.19	119	2022737	51.315	ug/l	93
84) 1,2,4-Trimethylbenzene	14.24	105	1757830	49.228	ug/l	99
85) sec-Butylbenzene	14.36	105	2047137	49.293	ug/l	97
86) p-Isopropyltoluene	14.48	119	1779772	44.900	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	992734	49.163	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	975261	47.762	ug/l	96
89) n-Butylbenzene	14.80	91	1665587	48.651	ug/l	97
90) Hexachloroethane	15.00	117	496966	48.122	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	816612	46.416	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	67568	48.788	ug/l	92

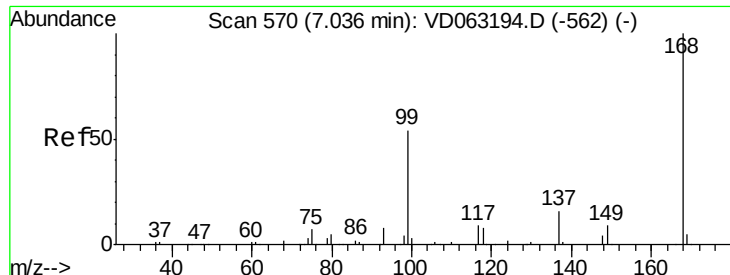
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072919\
Data File : VD063197.D
Acq On : 29 Jul 2019 14:08
Operator : VA/AP
Sample : VSTDICV050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072919

Quant Time: Jul 30 03:10:24 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	692065	49.586	ug/l	97
94) Hexachlorobutadiene	16.04	225	515618	50.979	ug/l	97
95) Naphthalene	16.12	128	974890	49.420	ug/l	98
96) 1,2,3-Trichlorobenzene	16.26	180	538609	48.850	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

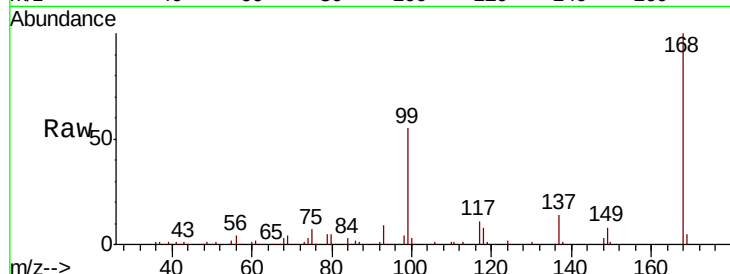
ICVVD072919

Tot Ion:168 Resp: 1053488

Ion Ratio Lower Upper

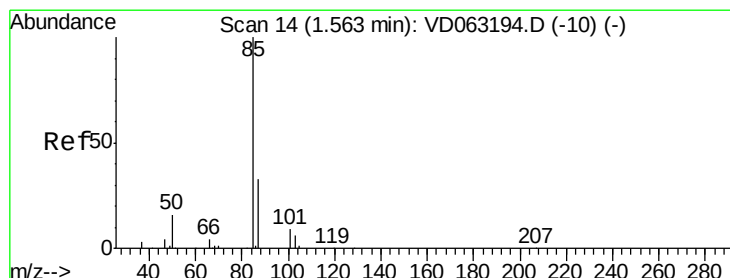
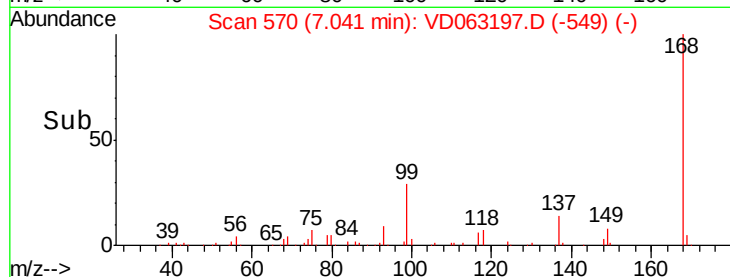
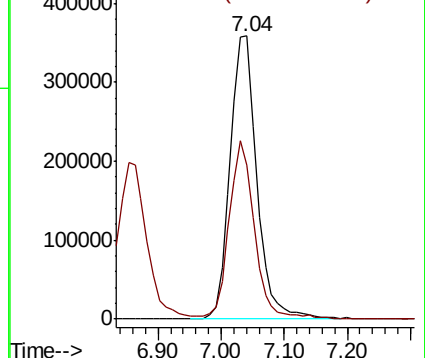
168 100

99 54.6 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: 44.200 ug/l

RT: 1.57 min Scan# 14

Delta R.T. 0.00 min

Lab File: VD063197.D

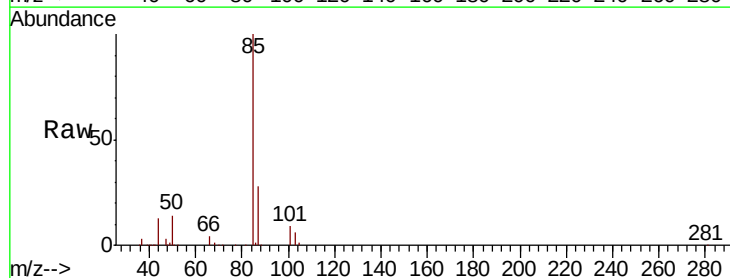
Acq: 29 Jul 2019 14:08

Tgt Ion: 85 Resp: 569179

Ion Ratio Lower Upper

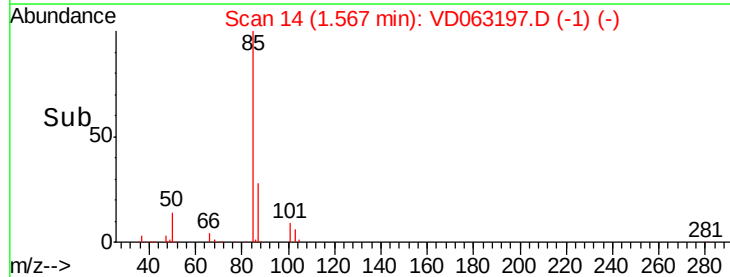
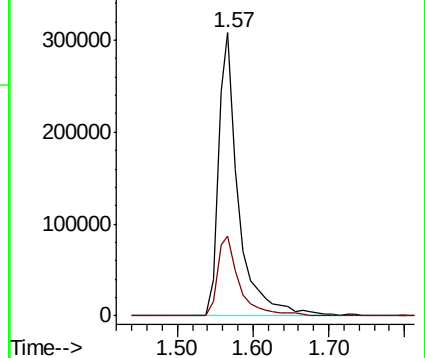
85 100

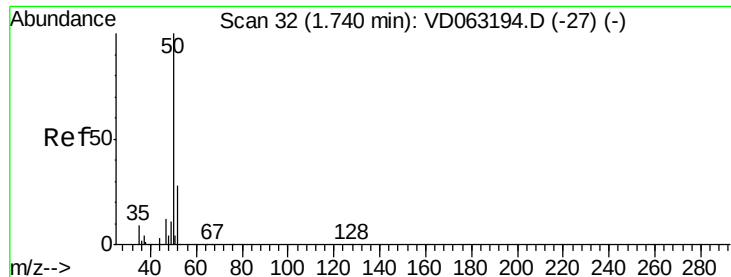
87 28.4 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.634 ug/l

RT: 1.73 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

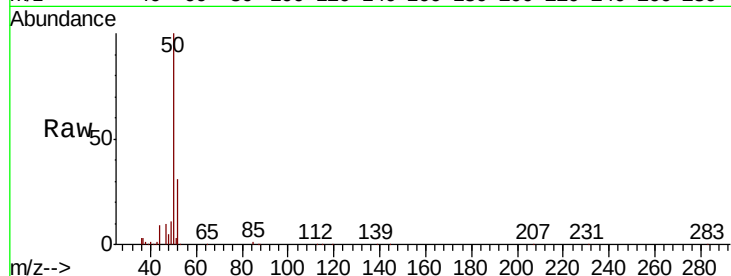
ICVVD072919

Tot Ion: 50 Resp: 466575

Ion Ratio Lower Upper

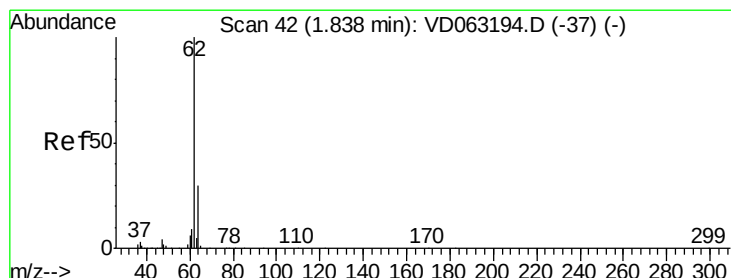
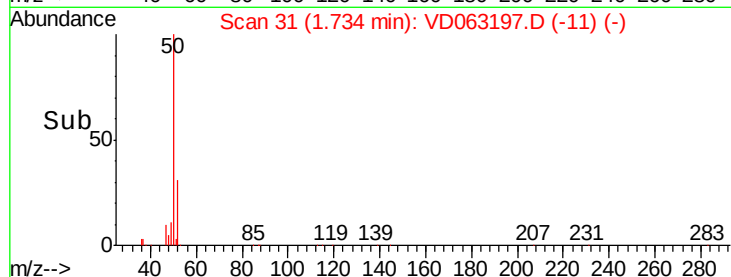
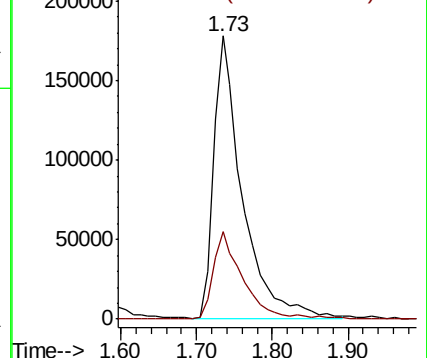
50 100

52 30.8 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: 48.695 ug/l

RT: 1.83 min Scan# 41

Delta R.T. -0.01 min

Lab File: VD063197.D

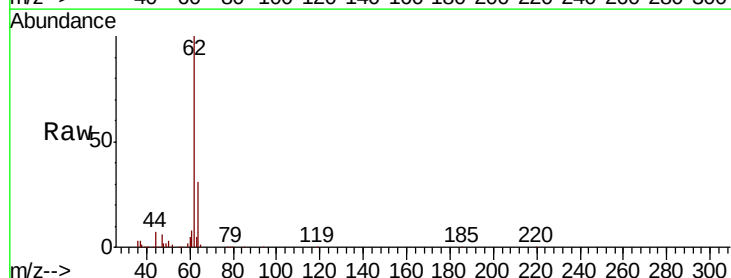
Acq: 29 Jul 2019 14:08

Tgt Ion: 62 Resp: 504358

Ion Ratio Lower Upper

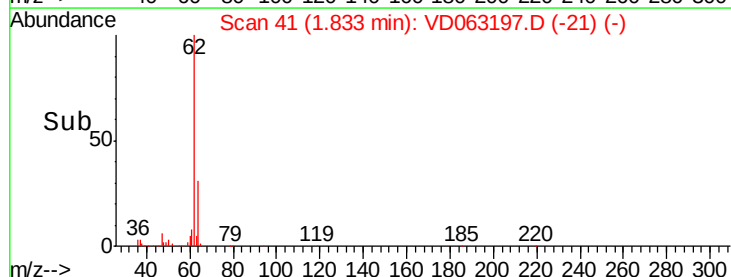
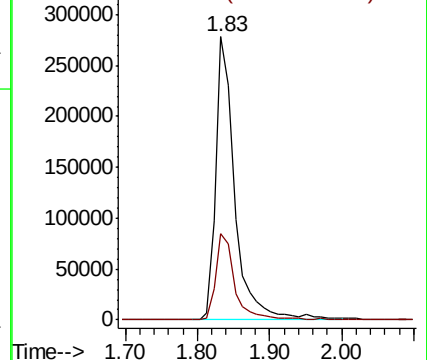
62 100

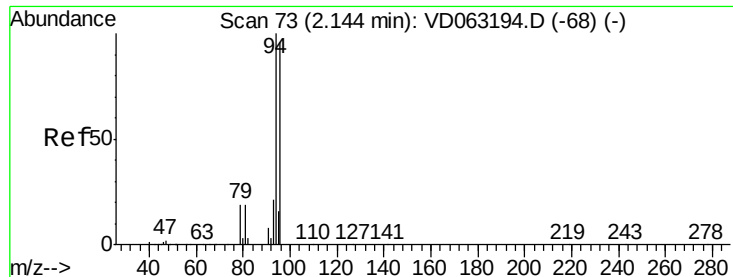
64 30.5 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 51.654 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072919

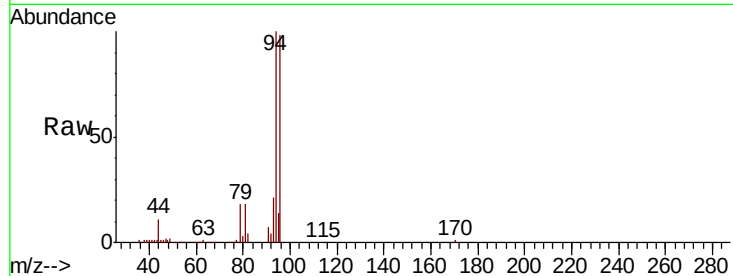
Tot Ion: 94 Resp: 269824

Ion Ratio Lower Upper

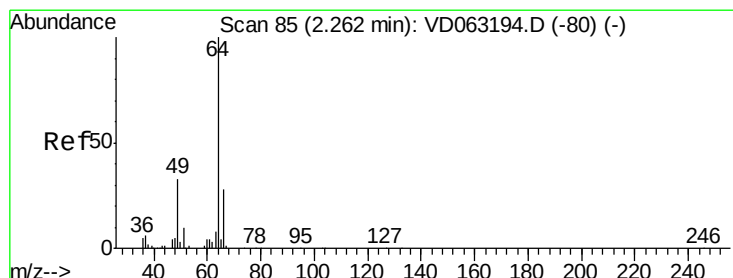
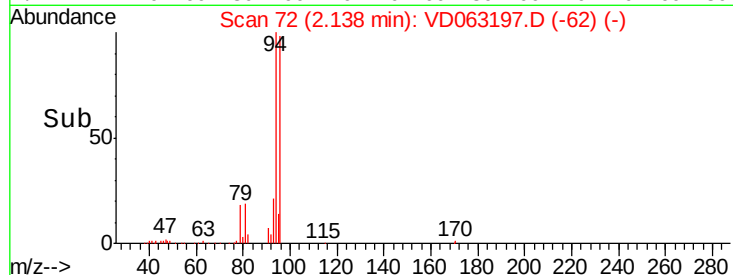
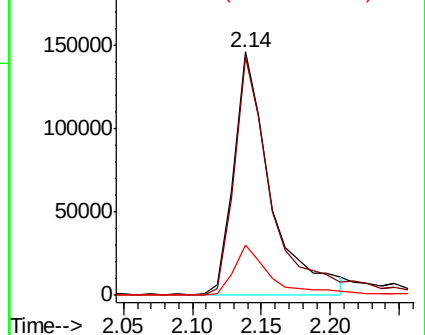
94 100

96 97.7 76.4 114.6

93 20.6 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: 49.666 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063197.D

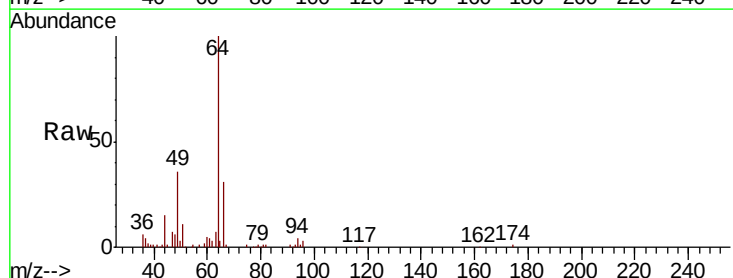
Acq: 29 Jul 2019 14:08

Tgt Ion: 64 Resp: 237504

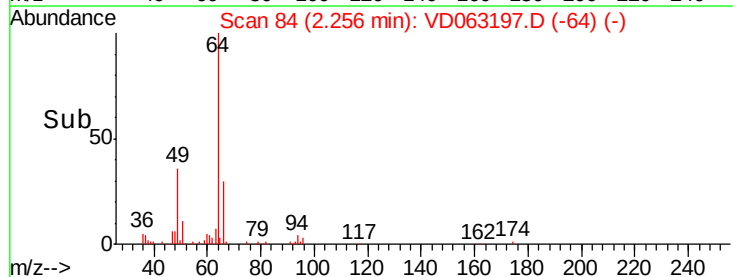
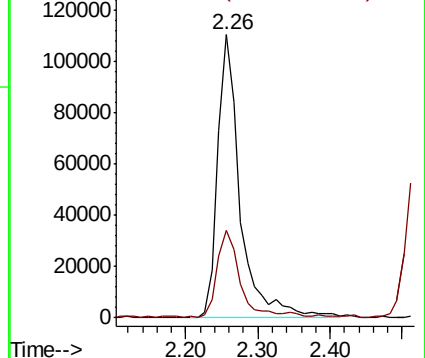
Ion Ratio Lower Upper

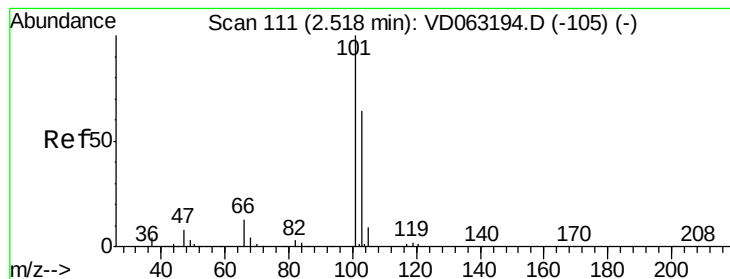
64 100

66 31.0 22.2 33.2



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



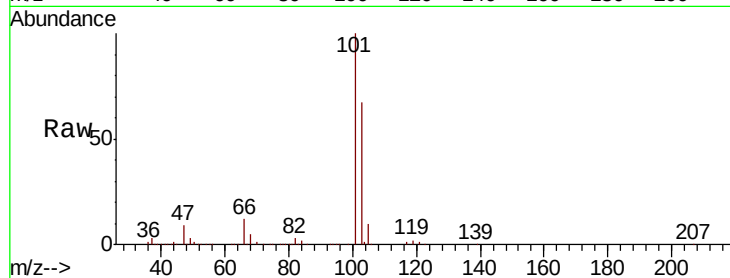


#7

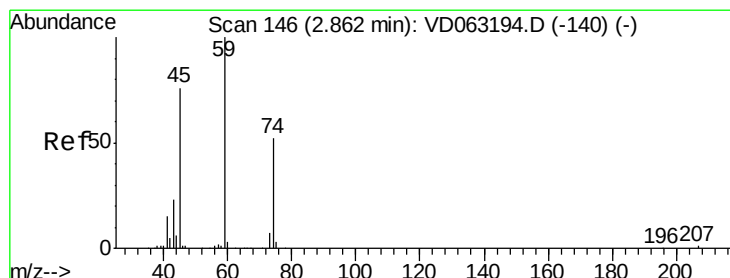
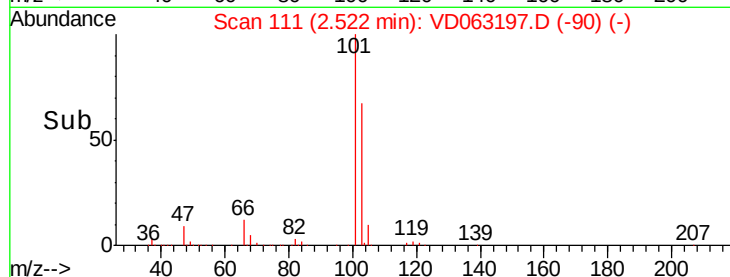
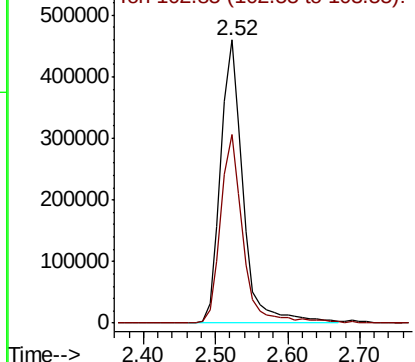
Trichlorofluoromethane
Concen: 49.433 ug/l
RT: 2.52 min Scan# 111
Delta R.T. 0.00 min
Lab File: VD063197.D
Acq: 29 Jul 2019 14:08

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072919

Tot Ion:101 Resp: 993291
Ion Ratio Lower Upper
101 100
103 66.7 51.5 77.3



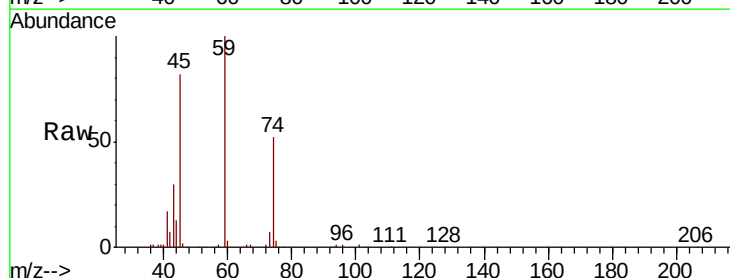
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



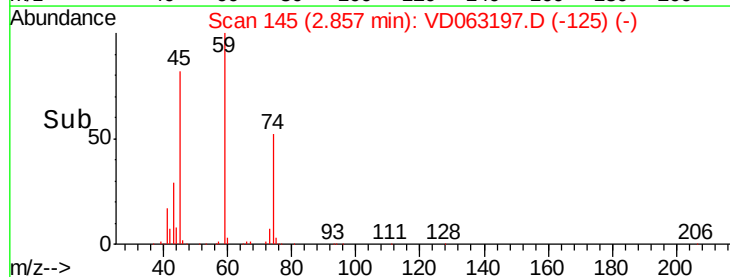
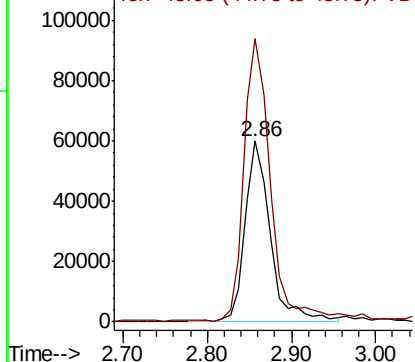
#8

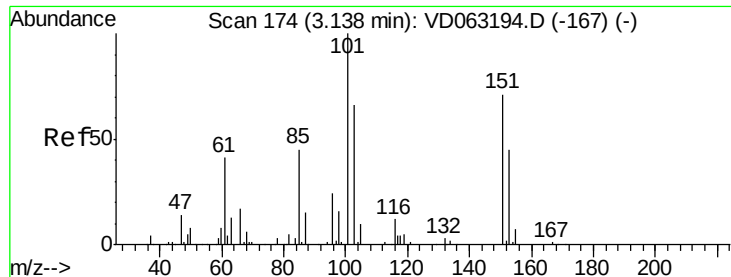
Diethyl Ether
Concen: 45.115 ug/l
RT: 2.86 min Scan# 145
Delta R.T. -0.01 min
Lab File: VD063197.D
Acq: 29 Jul 2019 14:08

Tgt Ion: 74 Resp: 126870
Ion Ratio Lower Upper
74 100
45 156.6 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: 50.315 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072919

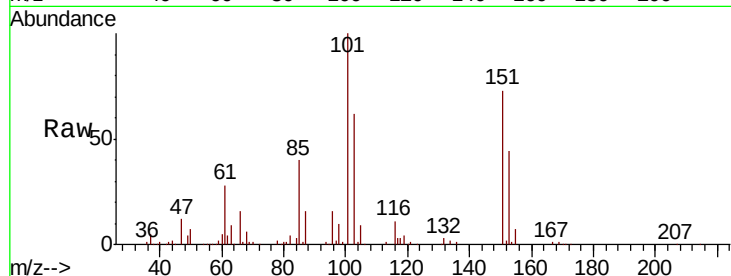
Tot Ion:101 Resp: 560028

Ion Ratio Lower Upper

101 100

85 40.2 36.1 54.1

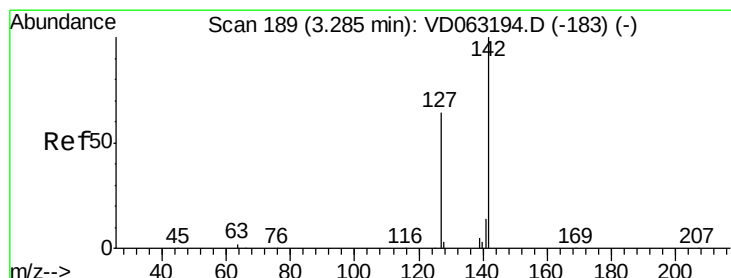
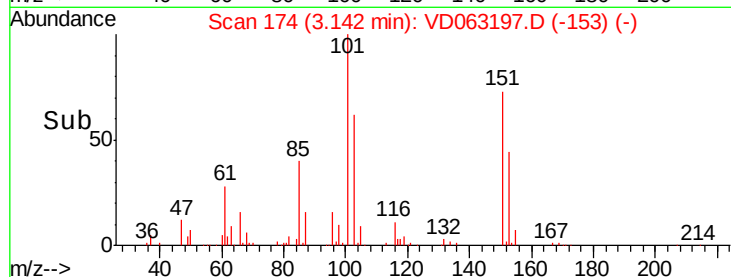
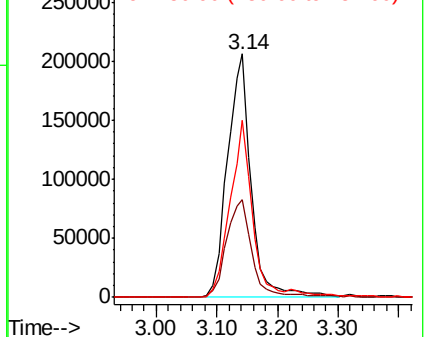
151 72.7 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 46.891 ug/l

RT: 3.29 min Scan# 189

Delta R.T. 0.00 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

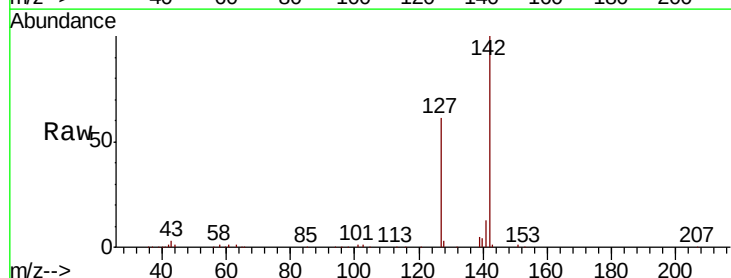
Tgt Ion:142 Resp: 753982

Ion Ratio Lower Upper

142 100

127 61.0 50.8 76.2

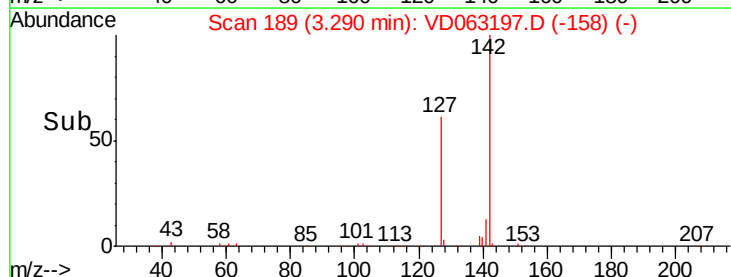
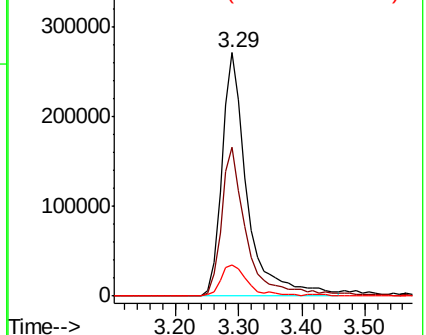
141 12.7 11.4 17.2

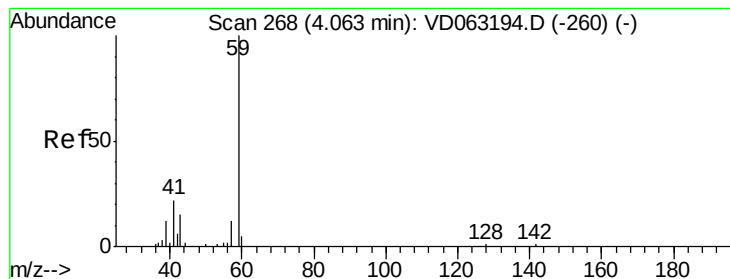


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



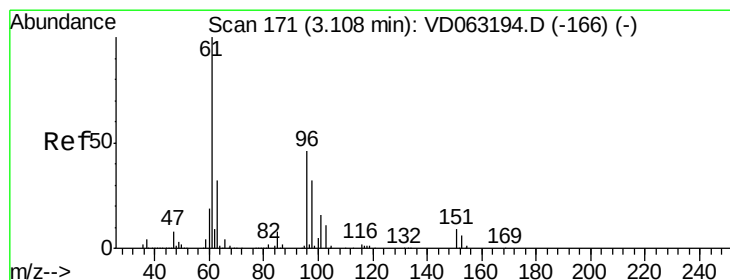
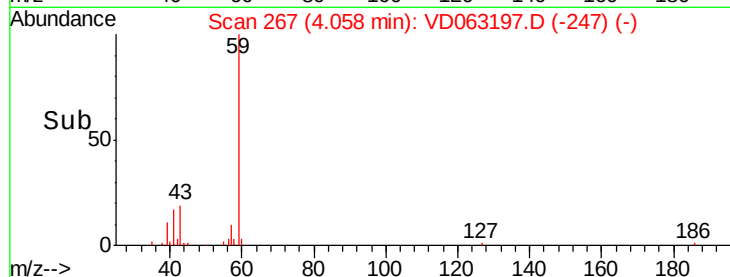
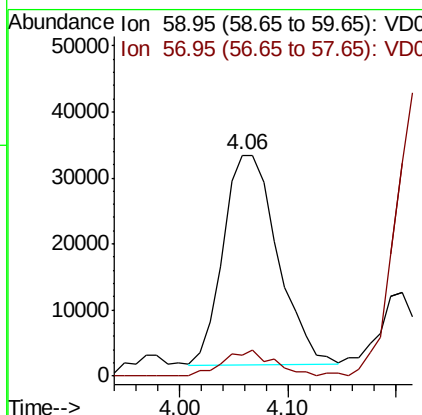
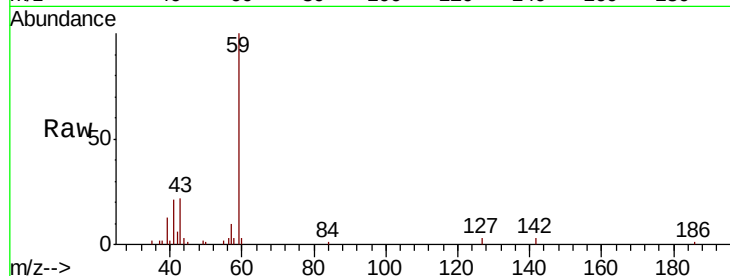


#11

Tert butyl alcohol
 Concen: 216.211 ug/l
 RT: 4.06 min Scan# 267
 Delta R.T. -0.01 min
 Lab File: VD063197.D
 Acq: 29 Jul 2019 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD072919

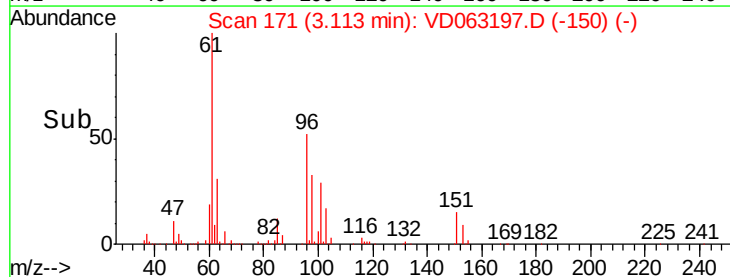
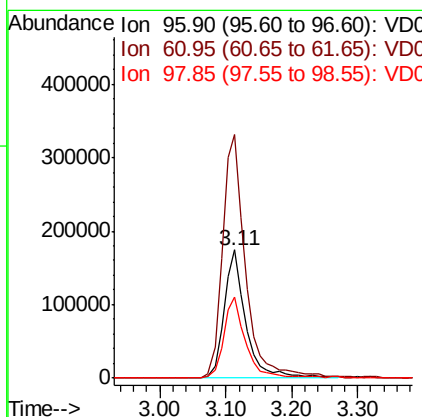
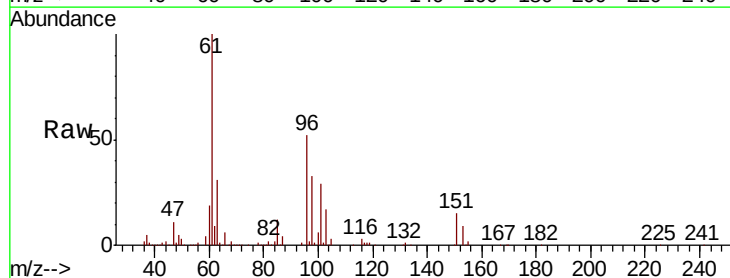
Tot Ion: 59 Resp: 110914
 Ion Ratio Lower Upper
 59 100
 57 9.8 9.6 14.4

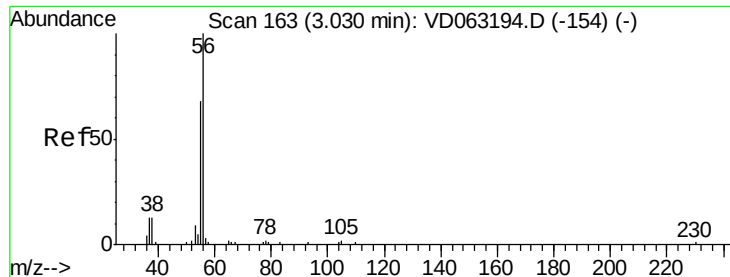


#12

1,1-Dichloroethene
 Concen: 49.394 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. 0.00 min
 Lab File: VD063197.D
 Acq: 29 Jul 2019 14:08

Tgt Ion: 96 Resp: 403606
 Ion Ratio Lower Upper
 96 100
 61 190.5 173.7 260.5
 98 63.2 55.8 83.8





#13

Acrolein

Concen: 232.530 ug/l

RT: 3.01 min Scan# 161

Delta R.T. -0.02 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

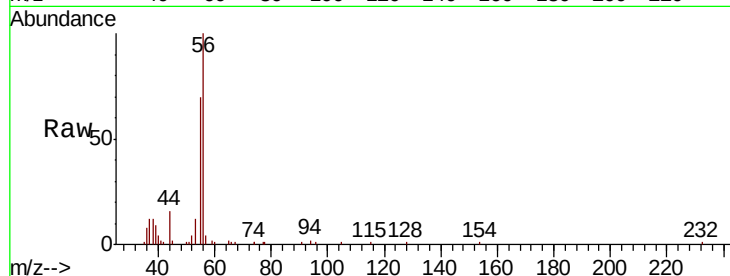
ICVVD072919

Tot Ion: 56 Resp: 114801

Ion Ratio Lower Upper

56 100

55 70.1 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

50000

40000

30000

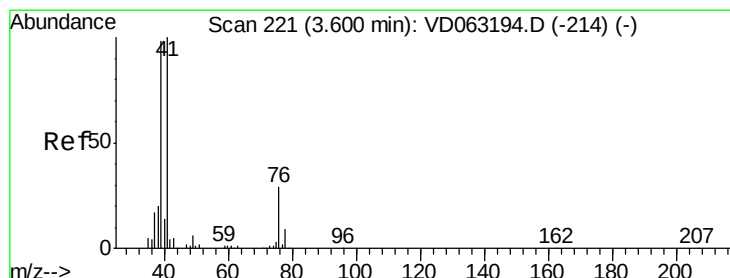
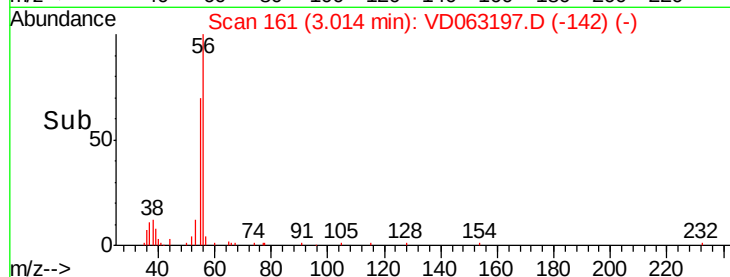
20000

10000

0

Time-->

2.95 3.00 3.05 3.10



#14

Allyl chloride

Concen: 48.730 ug/l

RT: 3.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

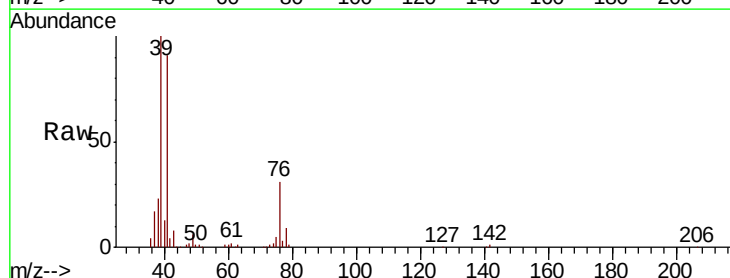
Tgt Ion: 41 Resp: 634327

Ion Ratio Lower Upper

41 100

39 109.3 78.6 117.8

76 33.4 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

300000

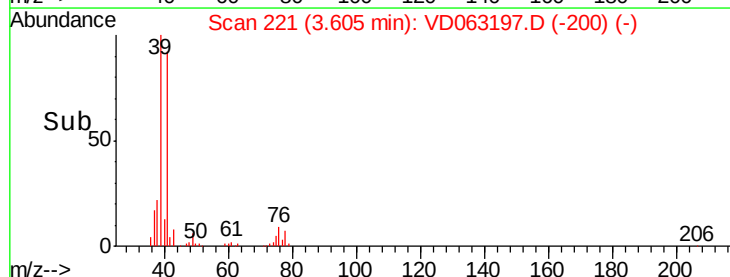
200000

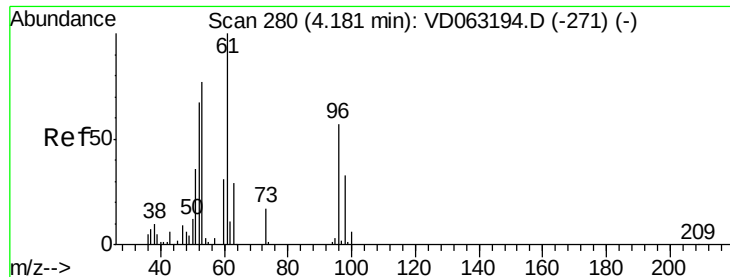
100000

0

Time-->

3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 235.037 ug/l

RT: 4.19 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072919

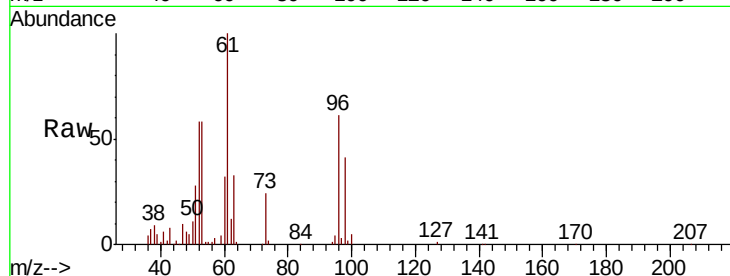
Tot Ion: 53 Resp: 312591

Ion Ratio Lower Upper

53 100

52 100.0 69.7 104.5

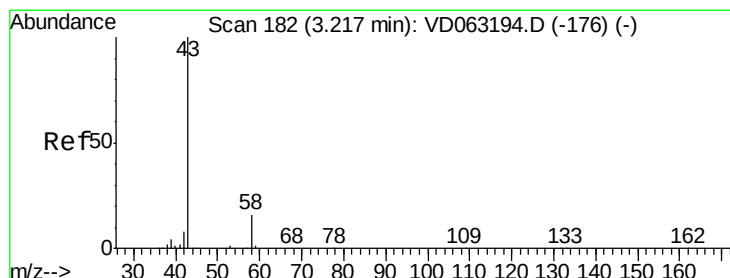
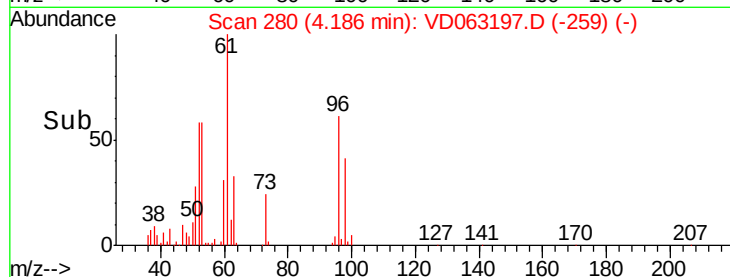
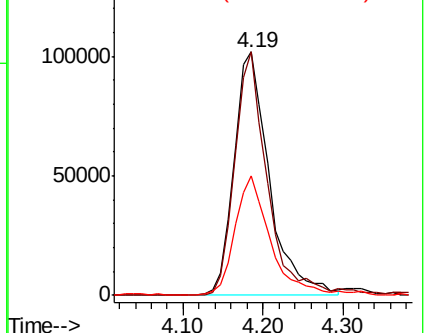
51 49.0 37.4 56.0



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 265.151 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063197.D

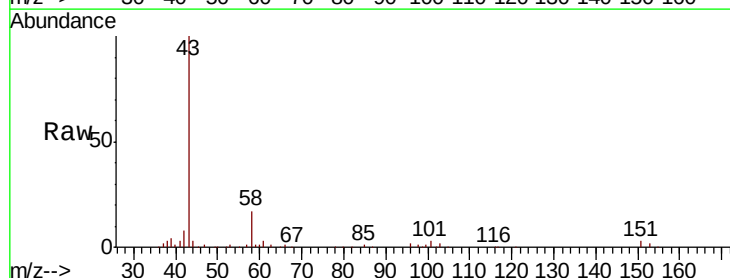
Acq: 29 Jul 2019 14:08

Tgt Ion: 43 Resp: 603897

Ion Ratio Lower Upper

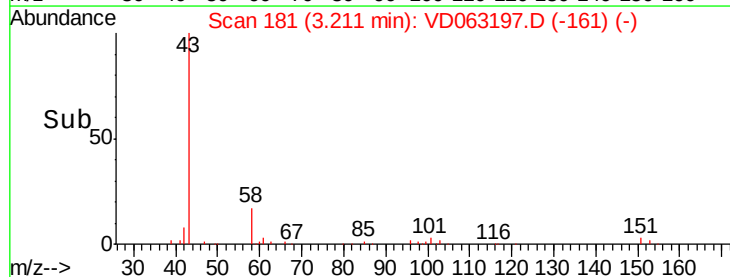
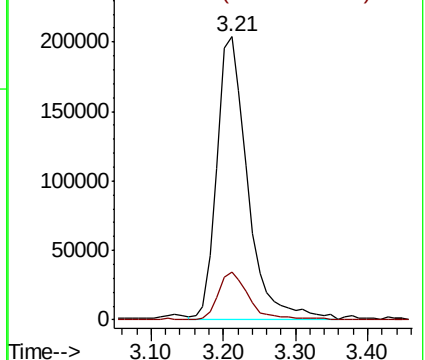
43 100

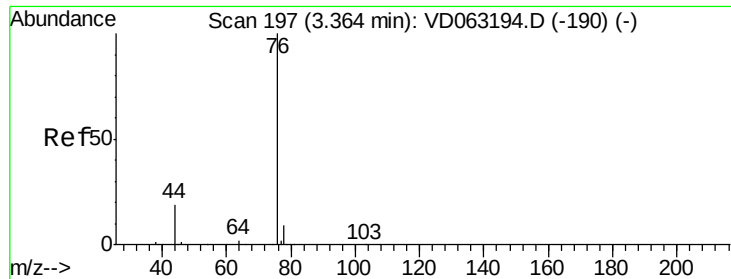
58 16.8 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 48.837 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.01 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

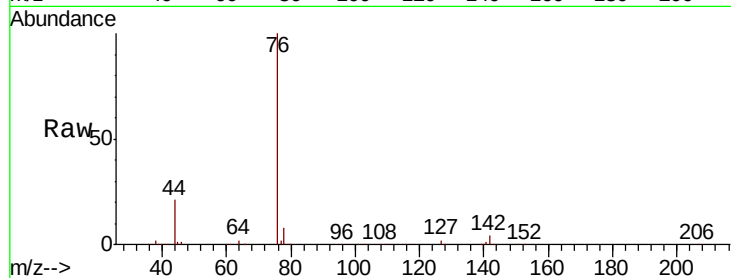
ICVVD072919

Tot Ion: 76 Resp: 1335688

Ion Ratio Lower Upper

76 100

78 8.4 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.36

600000

500000

400000

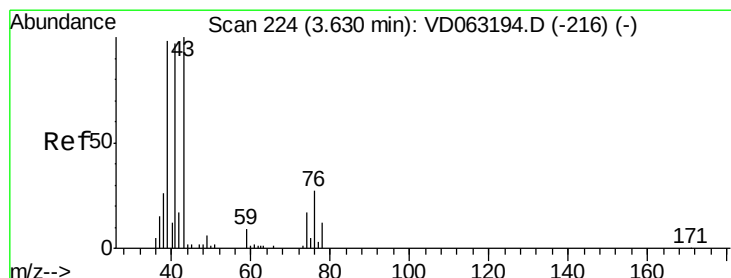
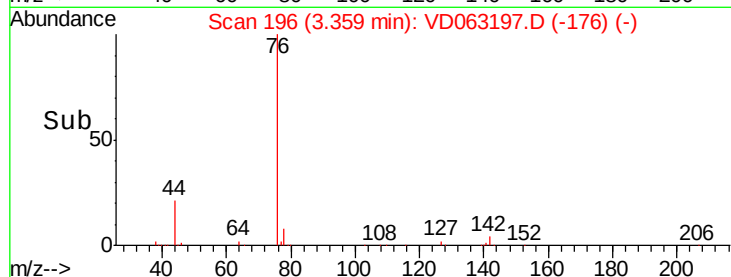
300000

200000

100000

0

Time--> 3.20 3.30 3.40 3.50 3.60



#18

Methyl Acetate

Concen: 43.438 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD063197.D

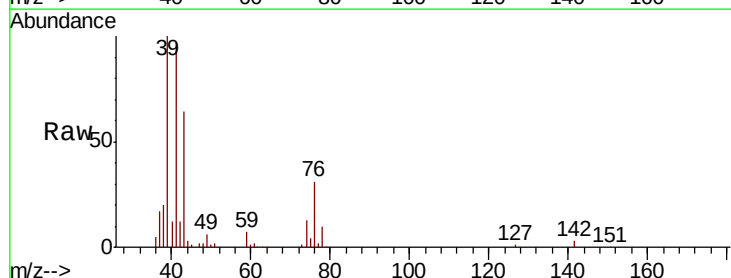
Acq: 29 Jul 2019 14:08

Tgt Ion: 43 Resp: 190031

Ion Ratio Lower Upper

43 100

74 19.8 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.62

80000

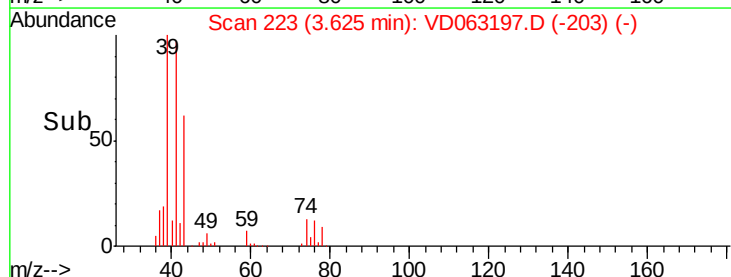
60000

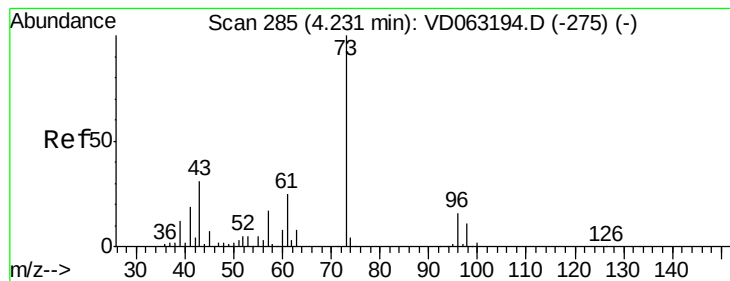
40000

20000

0

Time--> 3.50 3.60 3.70 3.80



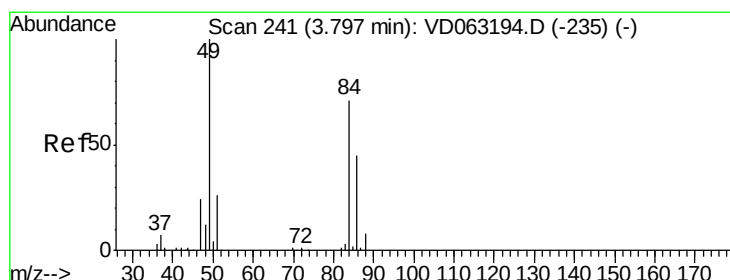
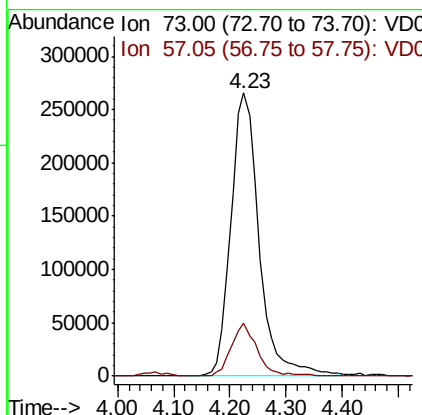
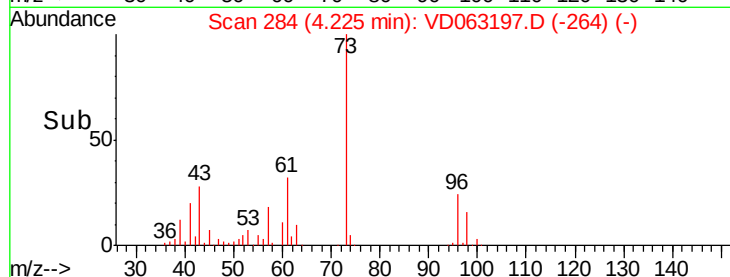
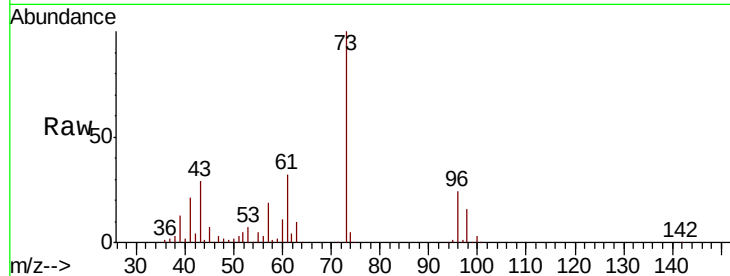


#19

Methyl tert-butyl Ether
 Concen: 50.355 ug/l
 RT: 4.23 min Scan# 284
 Delta R.T. -0.01 min
 Lab File: VD063197.D
 Acq: 29 Jul 2019 14:08

Instrument :
 MSVOA_D
 ClientSampleID :
 ICVVD072919

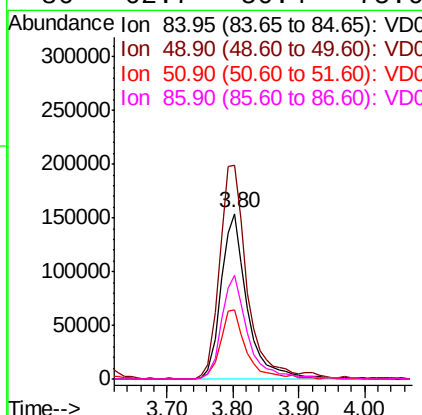
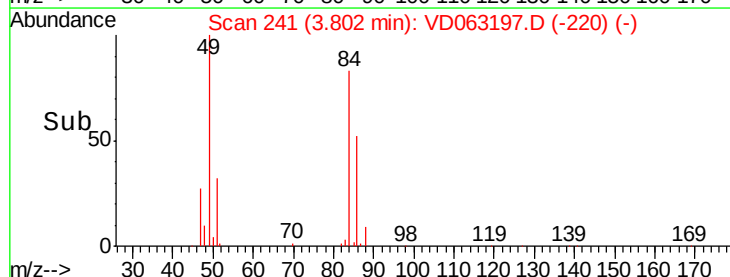
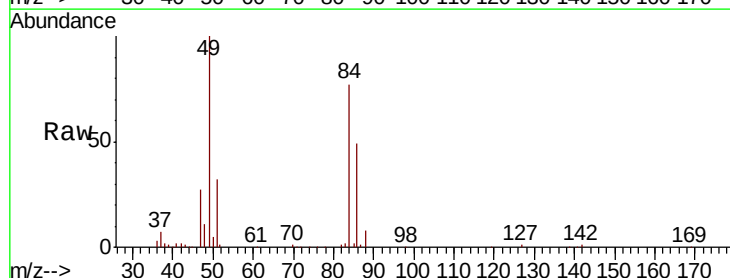
Tot Ion: 73 Resp: 929436
 Ion Ratio Lower Upper
 73 100
 57 18.5 13.8 20.6

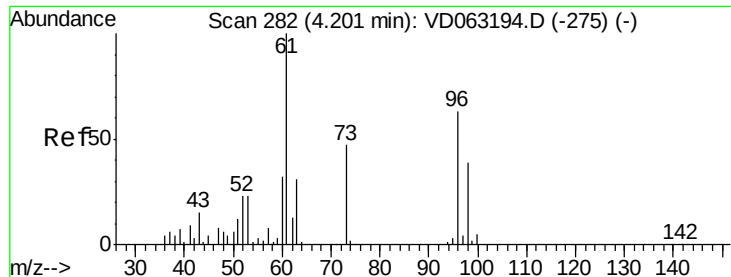


#20

Methylene Chloride
 Concen: 46.339 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. 0.00 min
 Lab File: VD063197.D
 Acq: 29 Jul 2019 14:08

Tgt Ion: 84 Resp: 426609
 Ion Ratio Lower Upper
 84 100
 49 129.3 112.5 168.7
 51 41.7 29.6 44.4
 86 62.7 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 50.011 ug/l

RT: 4.20 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072919

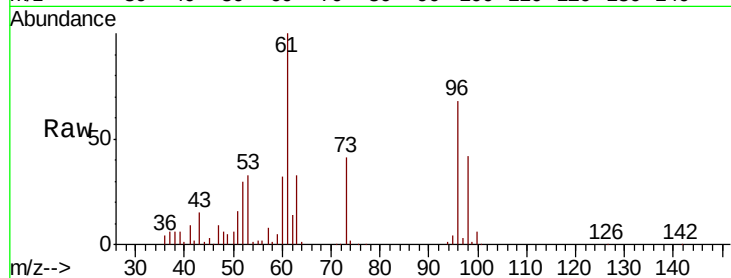
Tot Ion: 96 Resp: 458522

Ion Ratio Lower Upper

96 100

61 147.5 127.4 191.2

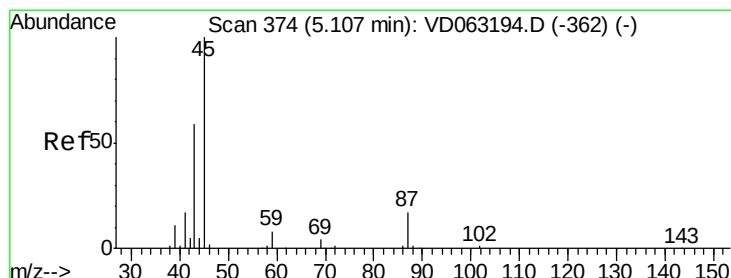
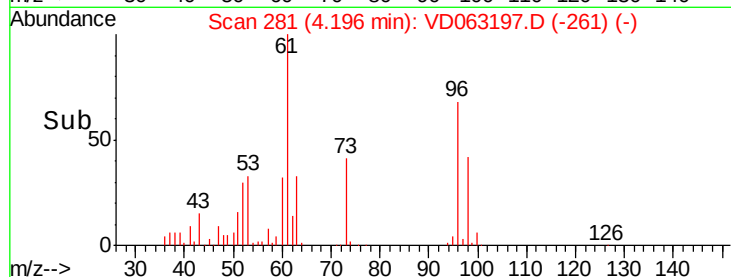
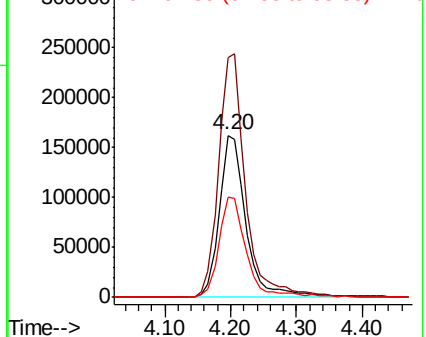
98 61.5 49.3 73.9



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: 49.257 ug/l

RT: 5.10 min Scan# 373

Delta R.T. -0.01 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

Tgt Ion: 45 Resp: 1281009

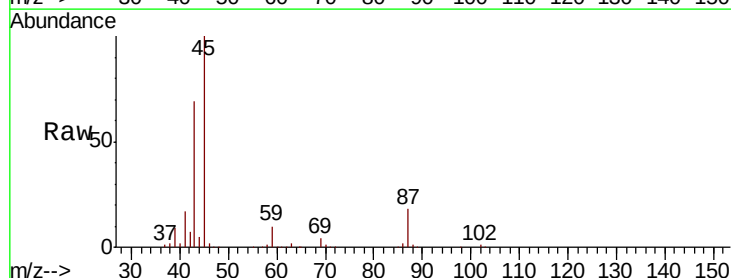
Ion Ratio Lower Upper

45 100

43 69.1 51.7 77.5

87 18.4 14.6 21.8

59 9.8 6.6 10.0

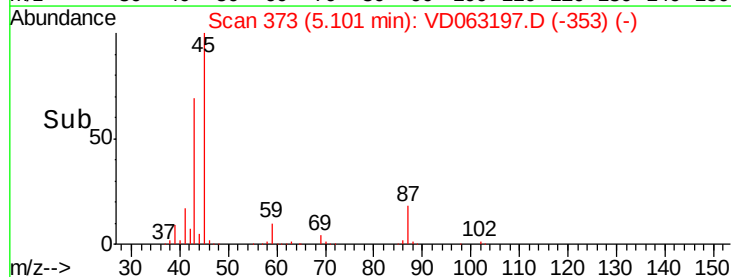
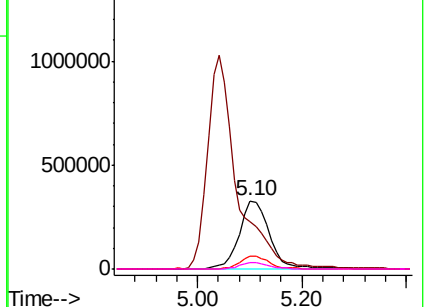


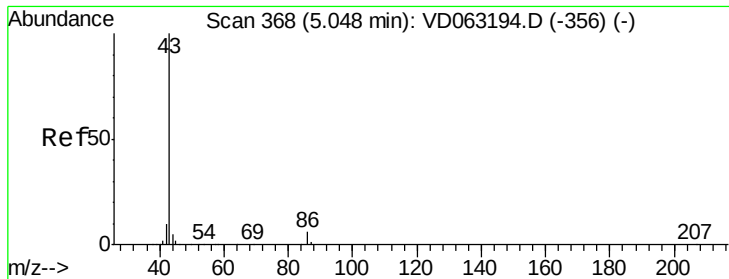
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 248.999 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

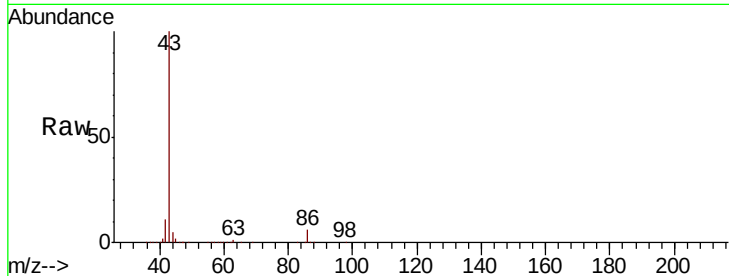
ICVVD072919

Tot Ion: 43 Resp: 3980594

Ion Ratio Lower Upper

43 100

86 5.9 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

1200000

1000000

800000

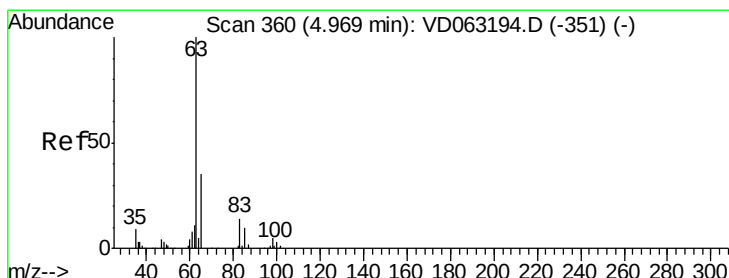
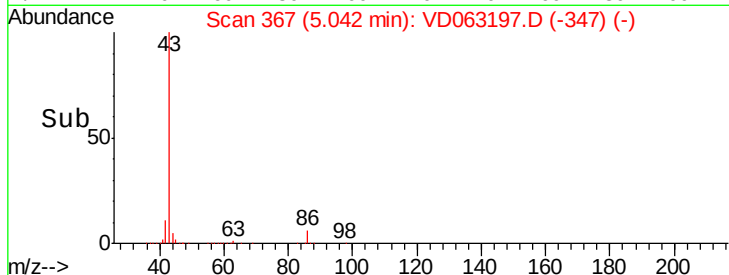
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.458 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.01 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

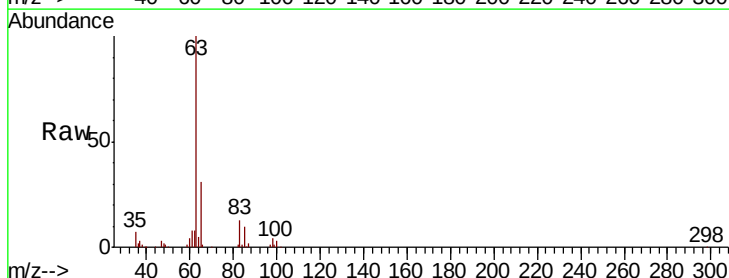
Tgt Ion: 63 Resp: 821589

Ion Ratio Lower Upper

63 100

98 4.0 2.8 8.4

100 2.6 1.3 3.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

300000

250000

200000

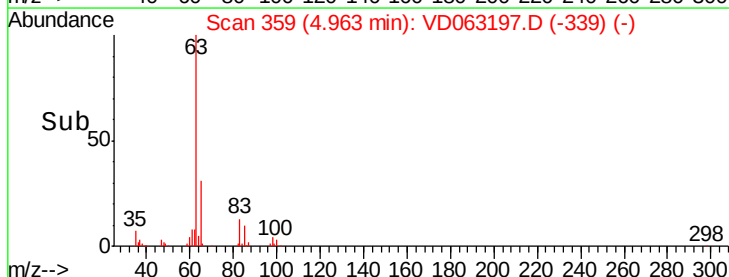
150000

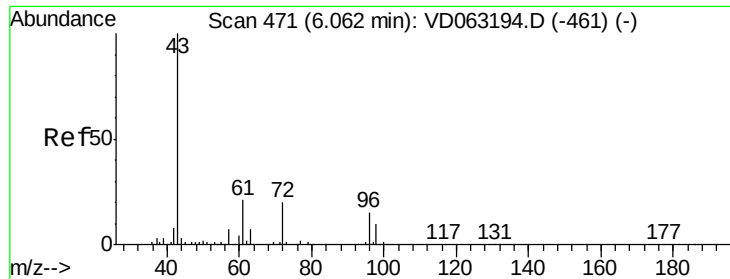
100000

50000

0

Time-->





#25

2-Butanone

Concen: 256.607 ug/l

RT: 6.06 min Scan# 470

Delta R.T. -0.01 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

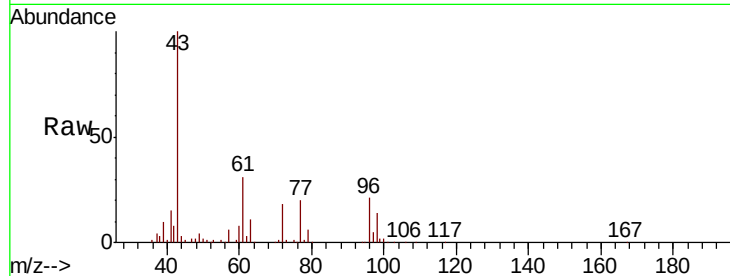
ICVVD072919

Tot Ion: 43 Resp: 586533

Ion Ratio Lower Upper

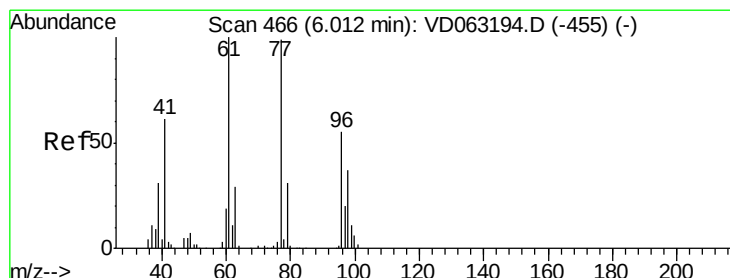
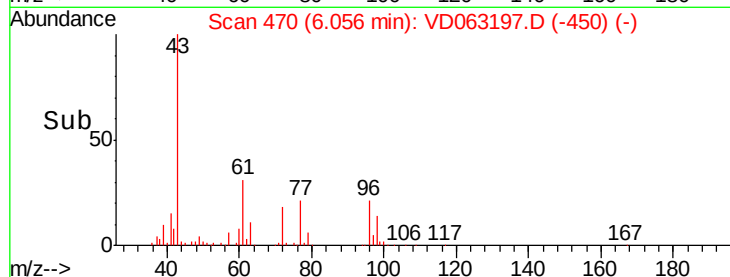
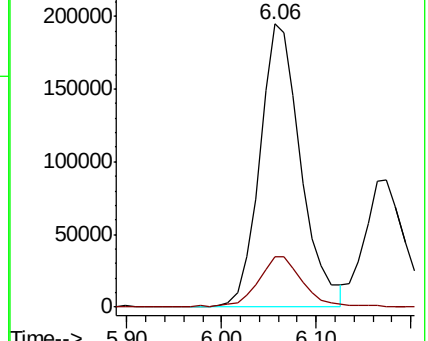
43 100

72 17.6 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: 50.400 ug/l

RT: 6.01 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD063197.D

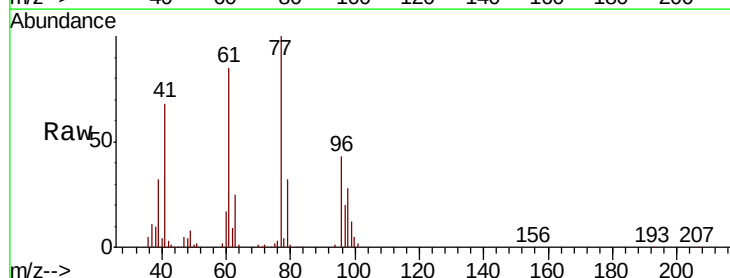
Acq: 29 Jul 2019 14:08

Tgt Ion: 77 Resp: 862814

Ion Ratio Lower Upper

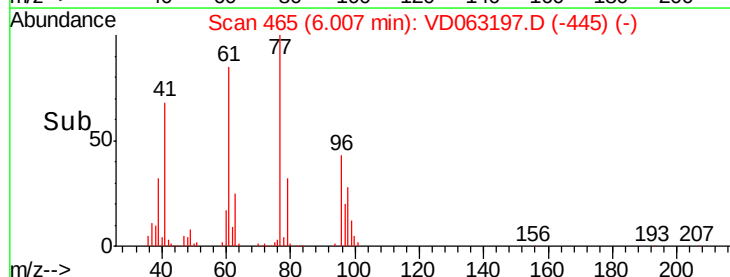
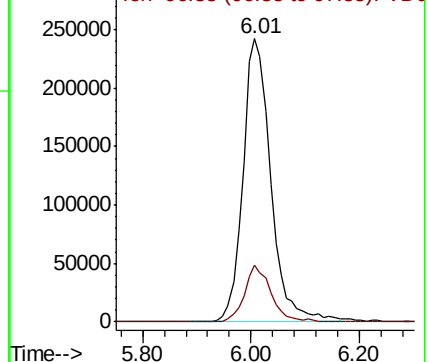
77 100

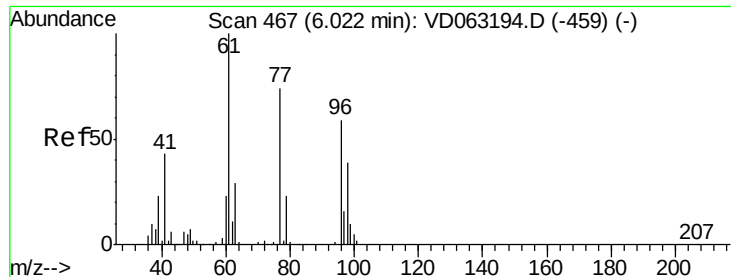
97 20.0 10.2 30.6



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: 46.877 ug/l

RT: 6.03 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072919

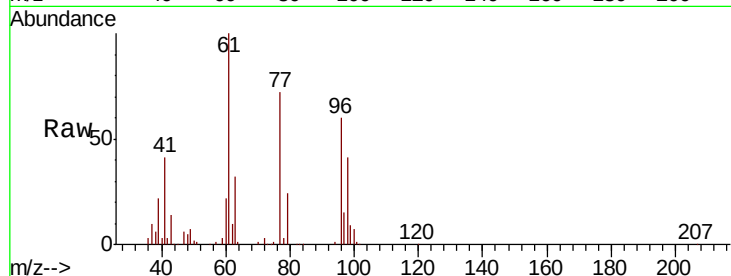
Tot Ion: 96 Resp: 460793

Ion Ratio Lower Upper

96 100

61 167.9 0.0 337.2

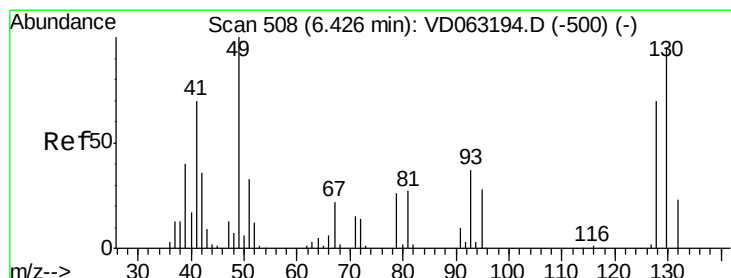
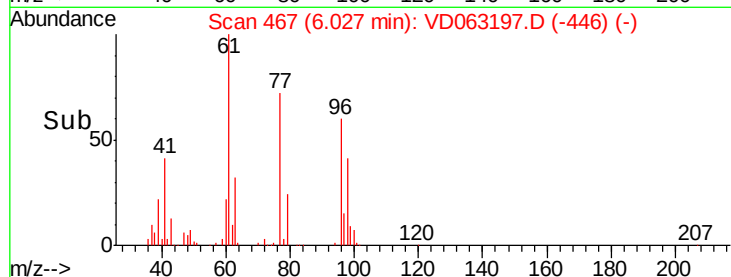
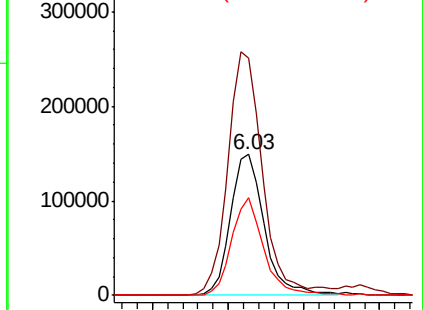
98 69.1 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 49.371 ug/l

RT: 6.42 min Scan# 507

Delta R.T. -0.01 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

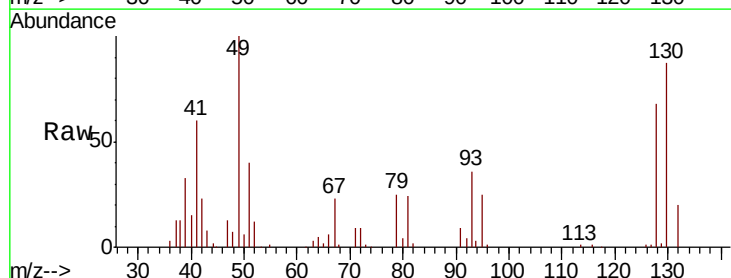
Tgt Ion: 49 Resp: 326770

Ion Ratio Lower Upper

49 100

129 2.3 0.0 0.0#

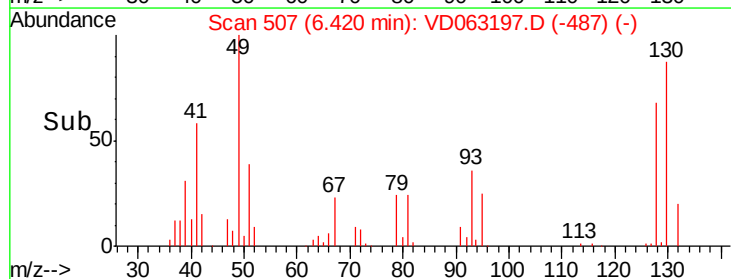
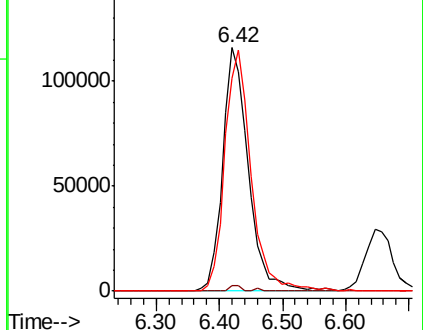
130 87.4 75.7 113.5

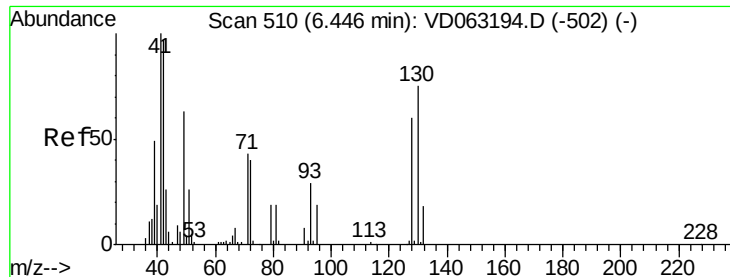


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 233.752 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072919

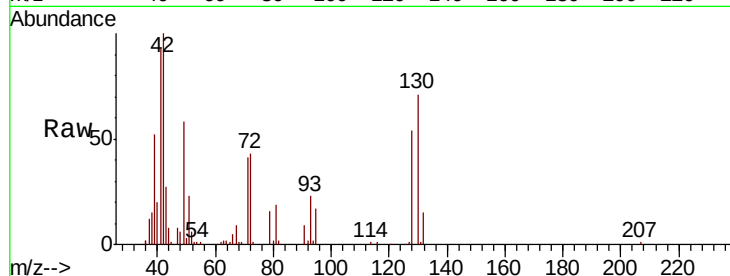
Tot Ion: 42 Resp: 252961

Ion Ratio Lower Upper

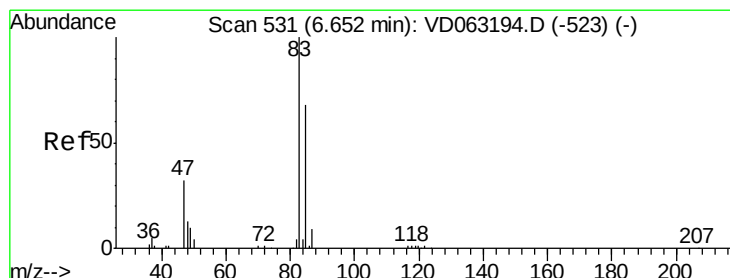
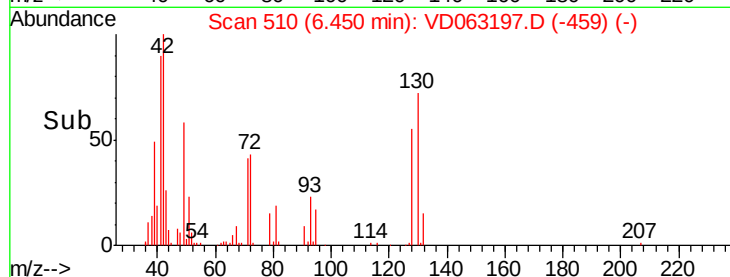
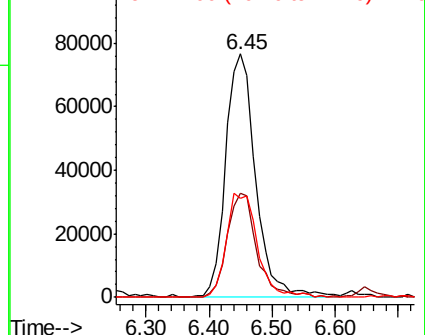
42 100

72 42.2 33.4 50.2

71 44.2 35.7 53.5



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



#30

Chloroform

Concen: 45.547 ug/l

RT: 6.65 min Scan# 530

Delta R.T. -0.01 min

Lab File: VD063197.D

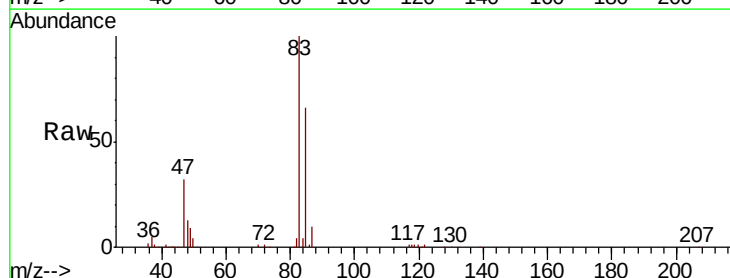
Acq: 29 Jul 2019 14:08

Tgt Ion: 83 Resp: 938972

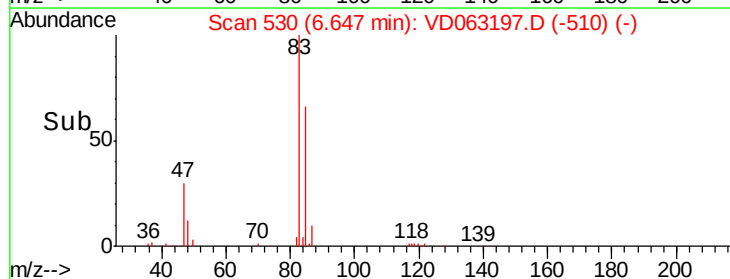
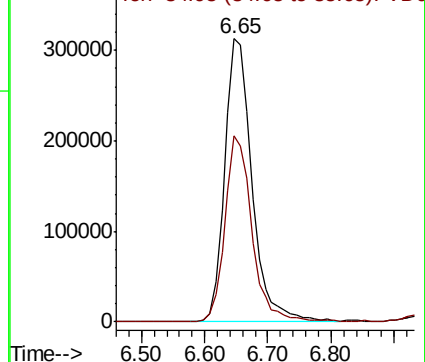
Ion Ratio Lower Upper

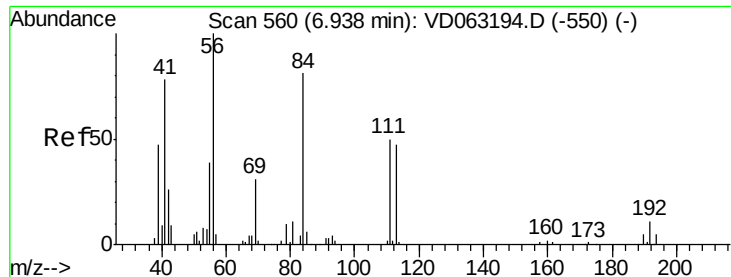
83 100

85 65.6 54.2 81.4



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





#31

Cyclohexane

Concen: 51.245 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072919

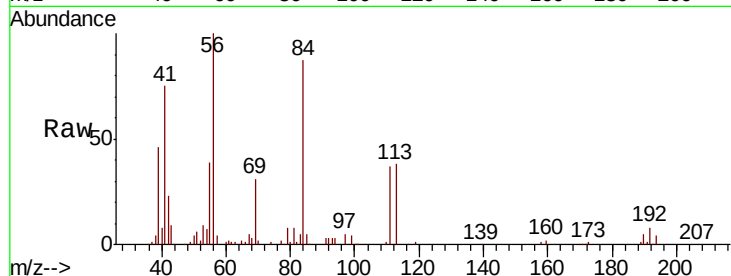
Tot Ion: 56 Resp: 533592

Ion Ratio Lower Upper

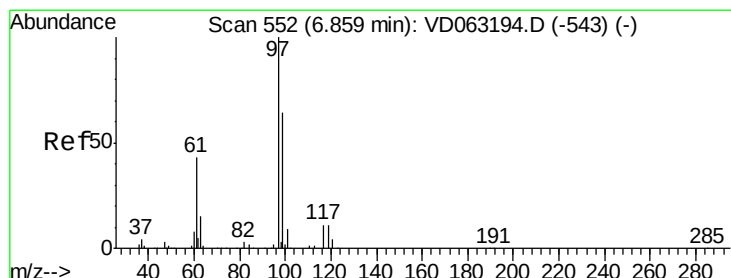
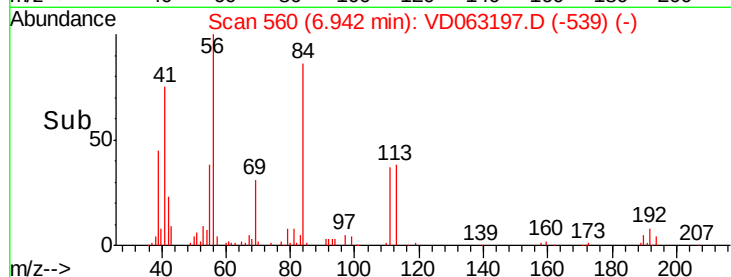
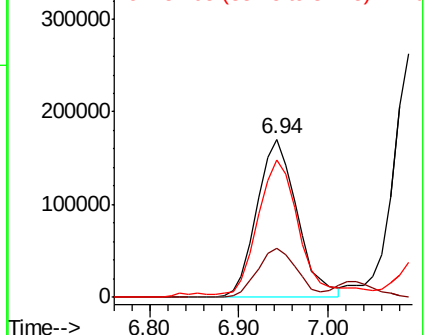
56 100

69 31.4 24.5 36.7

84 86.7 64.9 97.3



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



#32

1,1,1-Trichloroethane

Concen: 49.506 ug/l

RT: 6.85 min Scan# 551

Delta R.T. -0.01 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

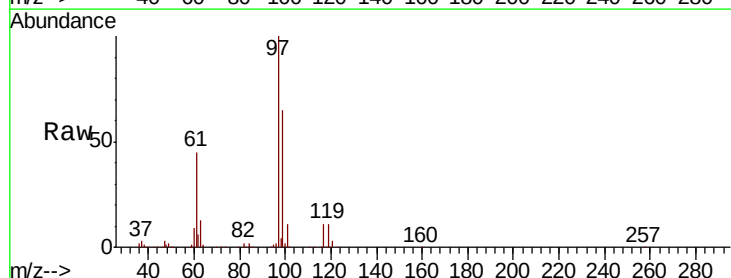
Tgt Ion: 97 Resp: 987186

Ion Ratio Lower Upper

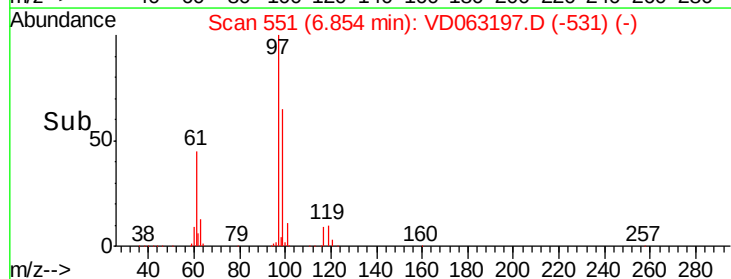
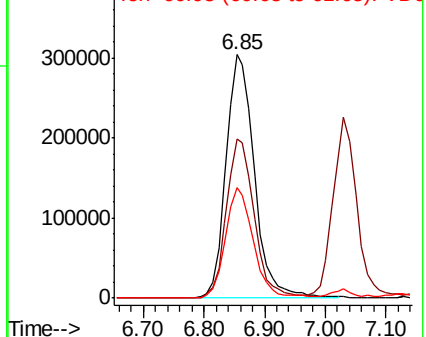
97 100

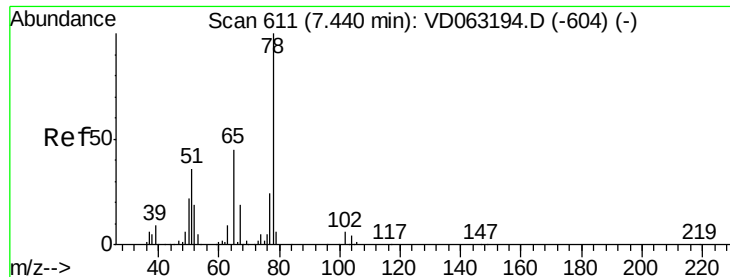
99 65.3 51.2 76.8

61 45.4 34.2 51.2



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

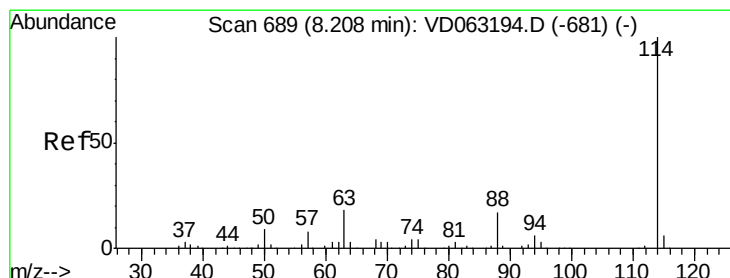
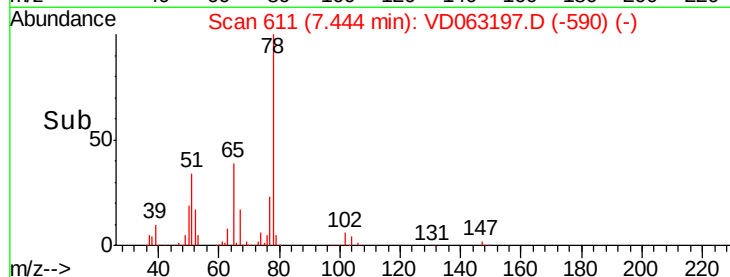
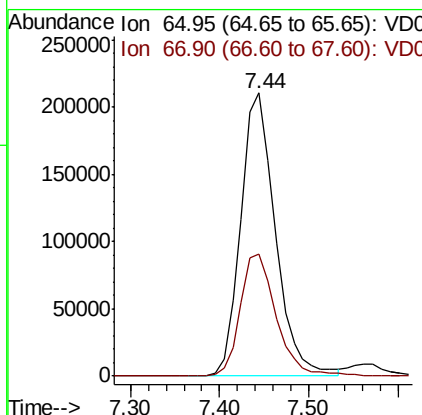
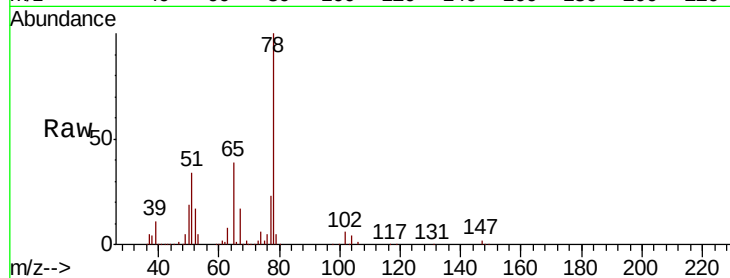




#33
 1,2-Dichloroethane-d4
 Concen: 48.619 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VD063197.D
 Acq: 29 Jul 2019 14:08

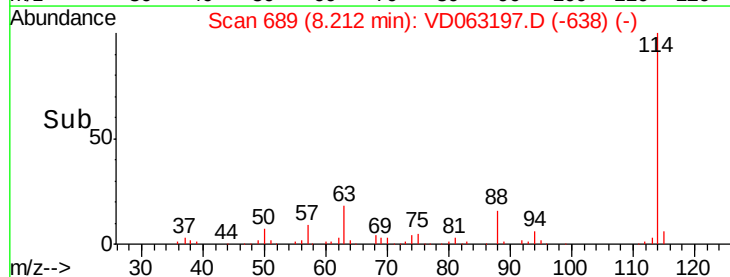
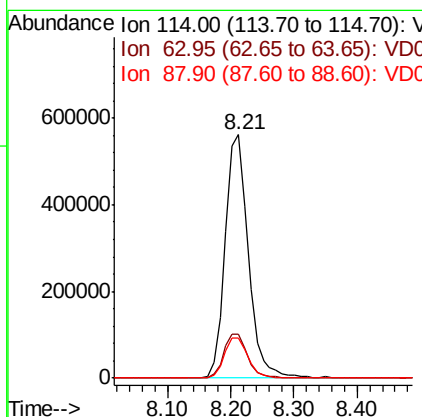
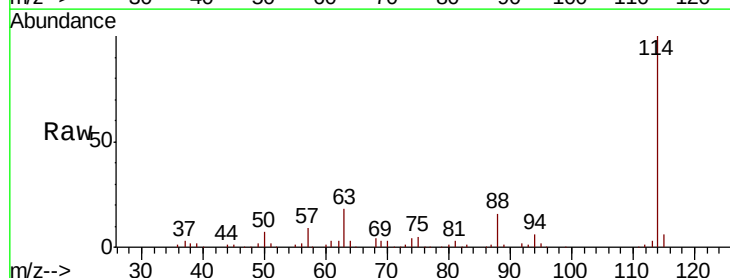
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD072919

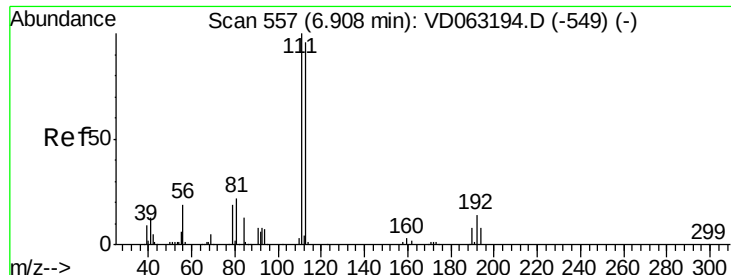
Tot Ion: 65 Resp: 568333
 Ion Ratio Lower Upper
 65 100
 67 43.1 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063197.D
 Acq: 29 Jul 2019 14:08

Tgt Ion: 114 Resp: 1434502
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 35.2
 88 16.3 0.0 34.6

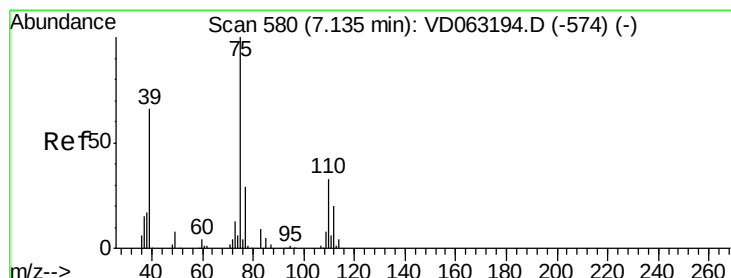
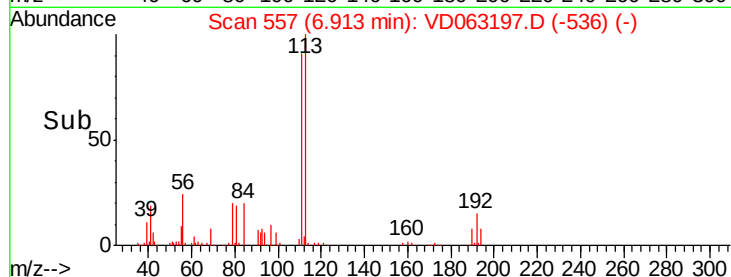
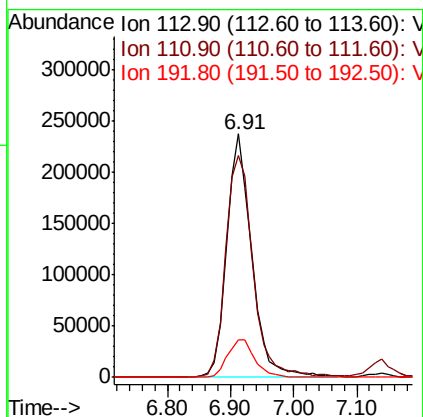
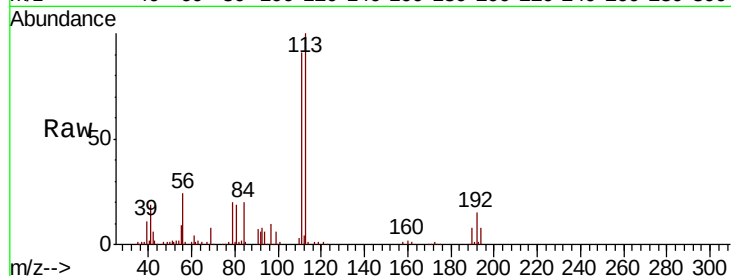




#35
 Dibromofluoromethane
 Concen: 52.975 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. 0.00 min
 Lab File: VD063197.D
 Acq: 29 Jul 2019 14:08

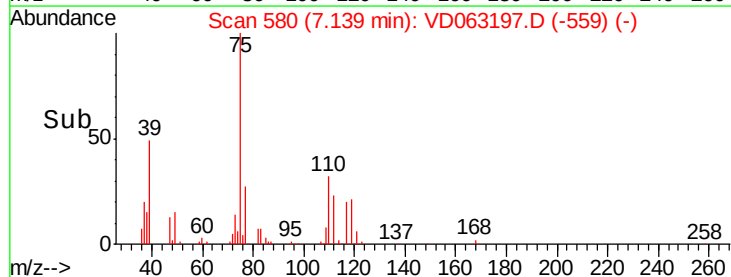
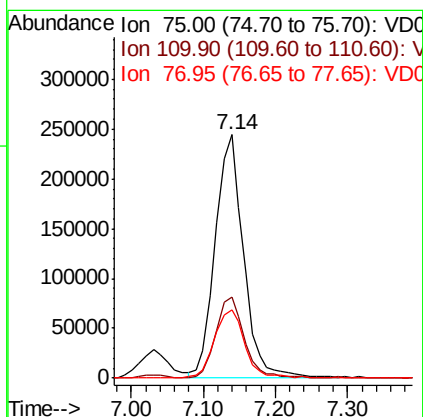
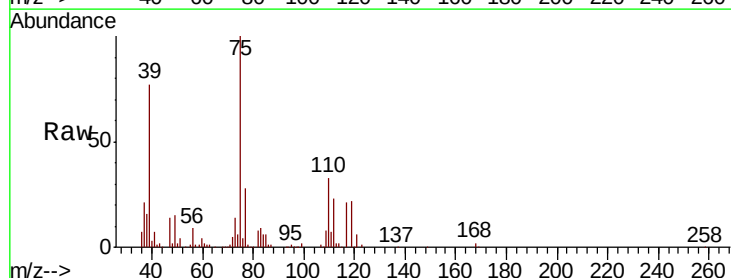
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD072919

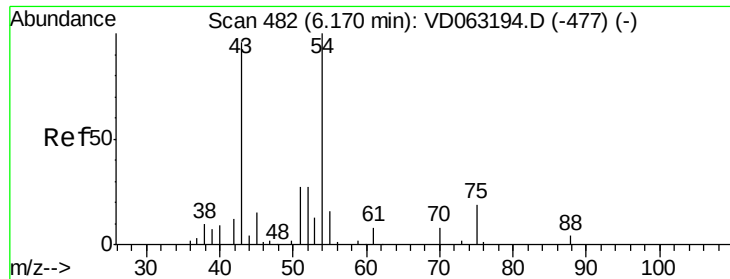
Tot Ion	Ratio	Lower	Upper
113	100		
111	91.2	83.2	124.8
192	15.3	11.8	17.8



#36
 1,1-Dichloropropene
 Concen: 50.423 ug/l
 RT: 7.14 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VD063197.D
 Acq: 29 Jul 2019 14:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.1	48.2
77	27.8	22.7	34.1

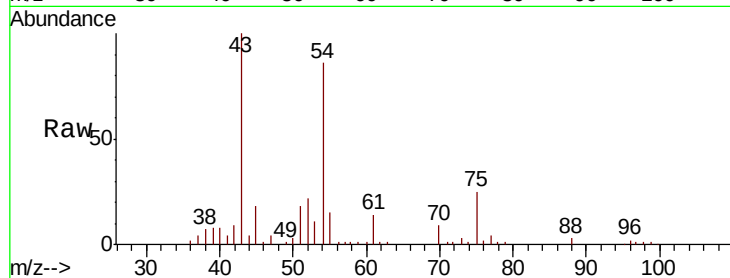




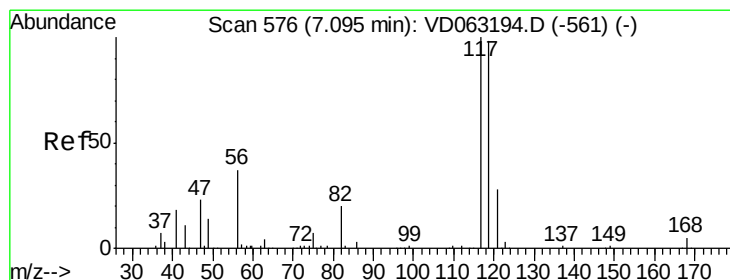
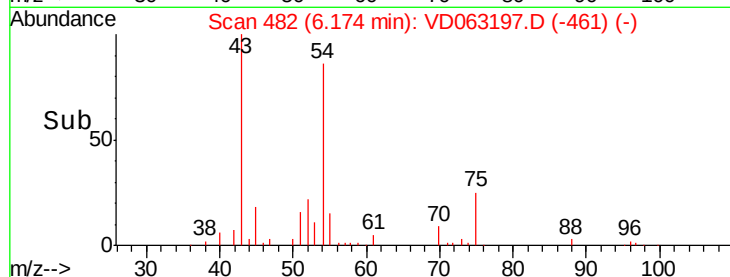
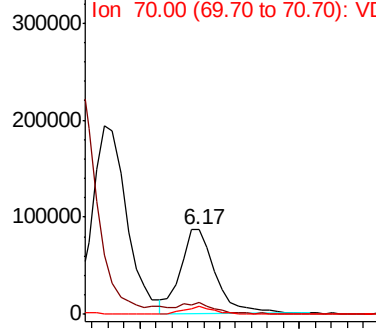
#37
Ethyl Acetate
Concen: 45.007 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.00 min
Lab File: VD063197.D
Acq: 29 Jul 2019 14:08

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072919

Tot Ion: 43 Resp: 264711
Ion Ratio Lower Upper
43 100
61 13.6 11.3 16.9
70 8.8 5.1 7.7#

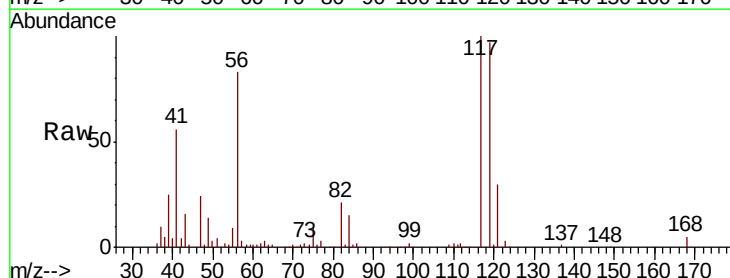


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

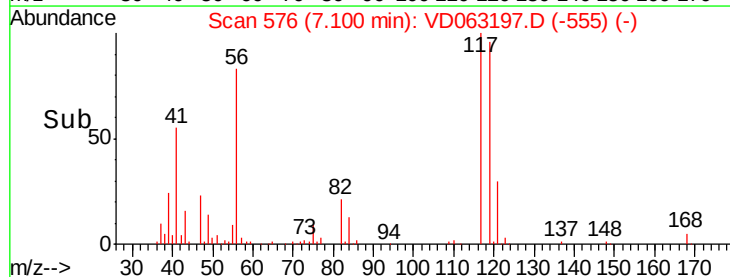
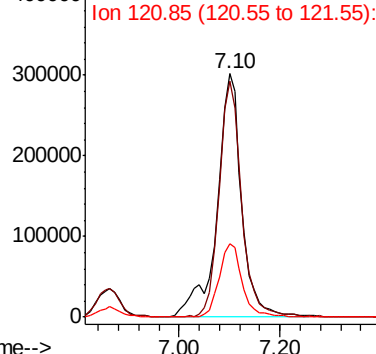


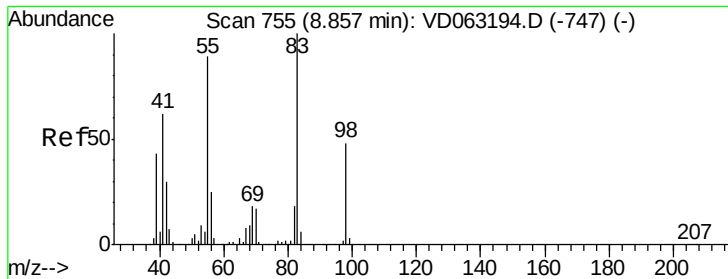
#38
Carbon Tetrachloride
Concen: 51.863 ug/l
RT: 7.10 min Scan# 576
Delta R.T. 0.00 min
Lab File: VD063197.D
Acq: 29 Jul 2019 14:08

Tgt Ion: 117 Resp: 1022172
Ion Ratio Lower Upper
117 100
119 96.9 78.2 117.2
121 30.0 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

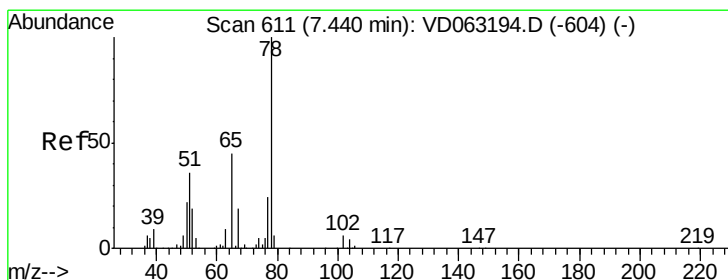
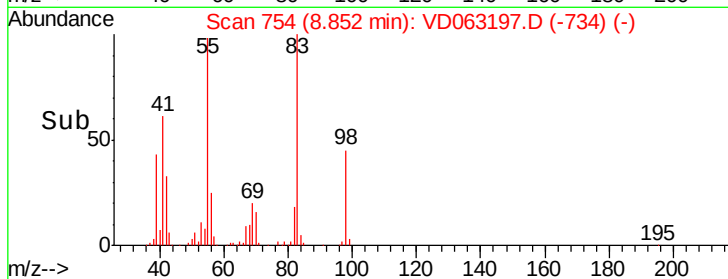
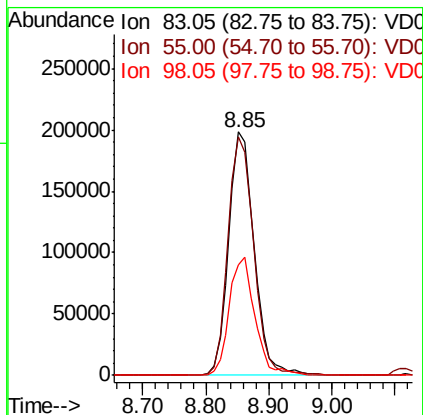
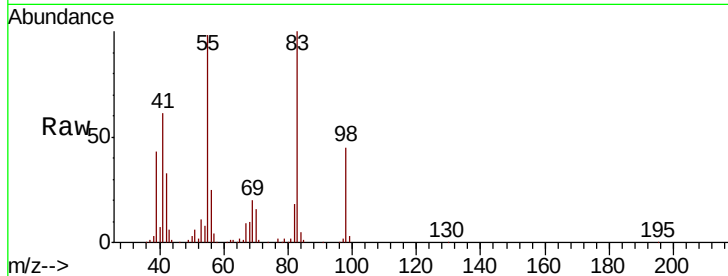




#39
Methylvlcyclohexane
Concen: 50.755 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD063197.D
Acq: 29 Jul 2019 14:08

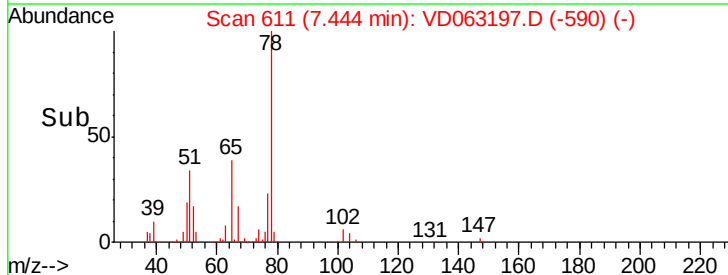
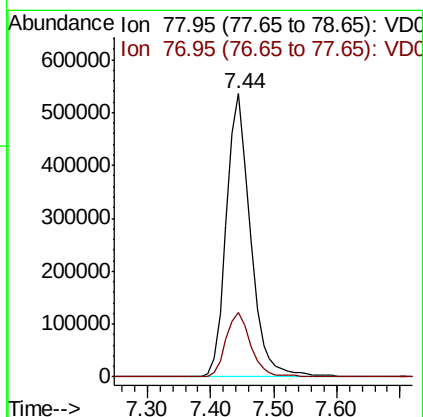
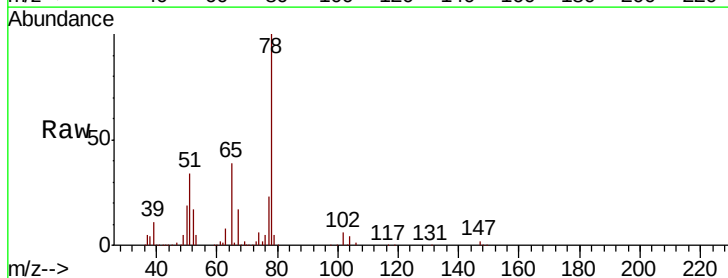
Instrument :
MSVOA_D
ClientSampleId :
ICVVD072919

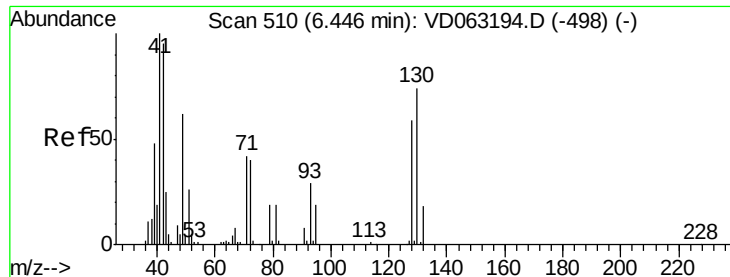
Tot Ion: 83 Resp: 553610
Ion Ratio Lower Upper
83 100
55 98.1 71.1 106.7
98 45.4 38.5 57.7



#40
Benzene
Concen: 51.796 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD063197.D
Acq: 29 Jul 2019 14:08

Tgt Ion: 78 Resp: 1421164
Ion Ratio Lower Upper
78 100
77 22.7 19.4 29.2

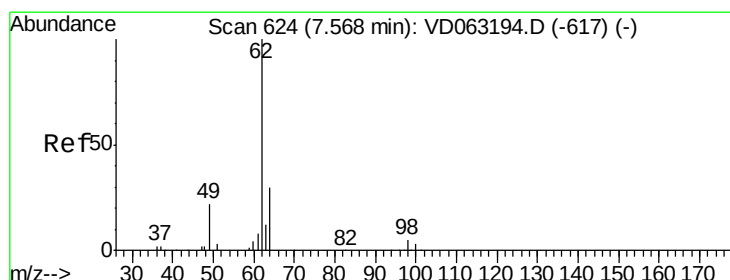
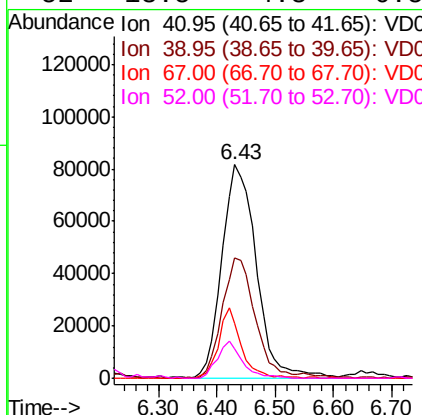
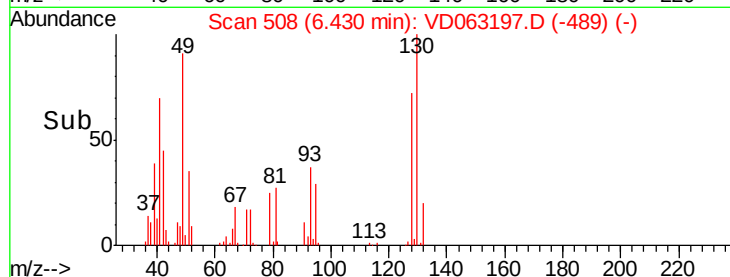
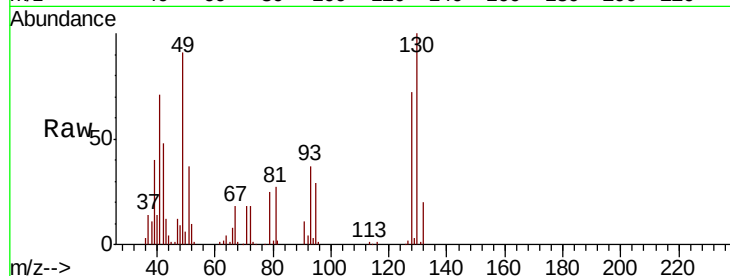




#41
Methacrylonitrile
Concen: 47.796 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD063197.D
Acq: 29 Jul 2019 14:08

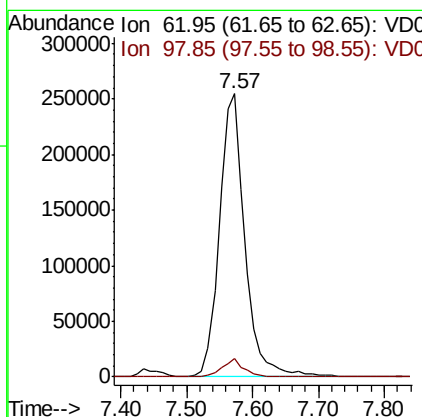
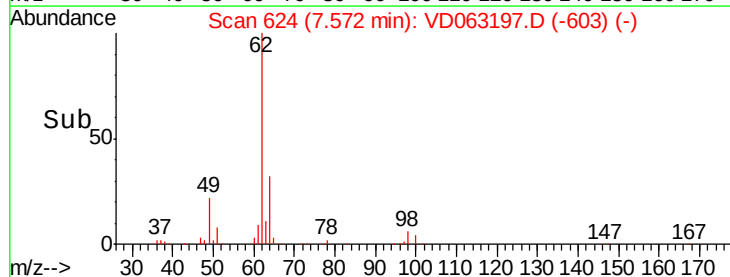
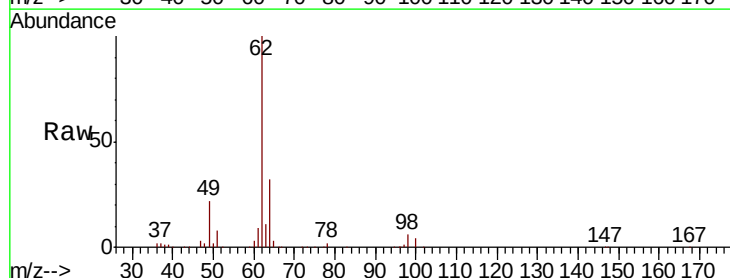
Instrument :
MSVOA_D
ClientSampleId :
ICVVD072919

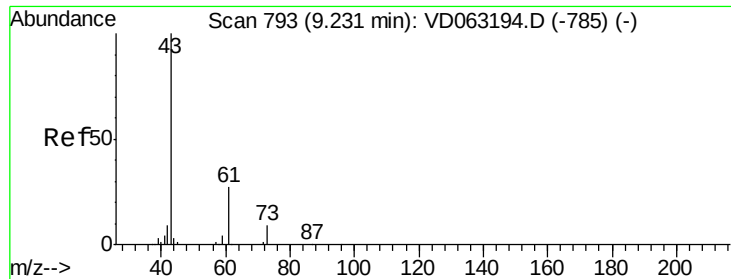
Tot Ion: 41 Resp: 336267
Ion Ratio Lower Upper
41 100
39 56.3 38.4 57.6
67 25.6 6.7 10.1#
52 13.5 4.3 6.5#



#42
1,2-Dichloroethane
Concen: 46.915 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.00 min
Lab File: VD063197.D
Acq: 29 Jul 2019 14:08

Tgt Ion: 62 Resp: 682213
Ion Ratio Lower Upper
62 100
98 6.3 0.0 9.8





#43

Isopropyl Acetate

Concen: 49.752 ug/l

RT: 9.24 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072919

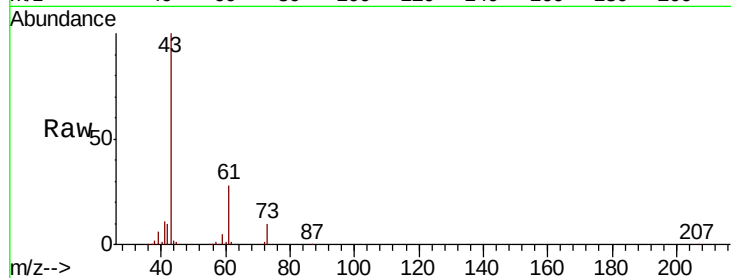
Tot Ion: 43 Resp: 373792

Ion Ratio Lower Upper

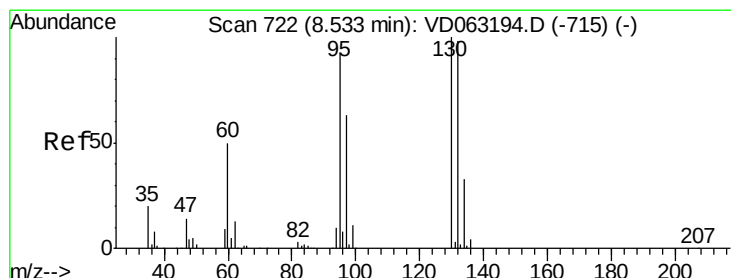
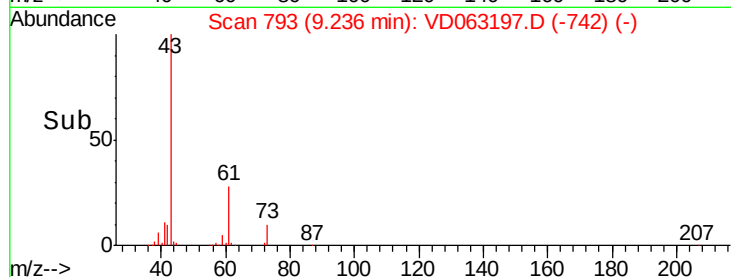
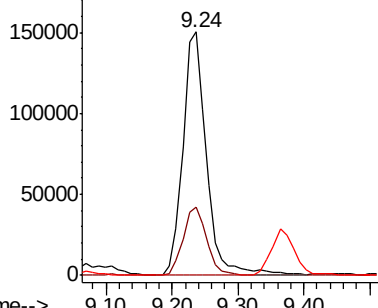
43 100

61 28.1 21.4 32.0

87 0.3 0.2 0.4



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



#44

Trichloroethene

Concen: 49.590 ug/l

RT: 8.53 min Scan# 721

Delta R.T. -0.01 min

Lab File: VD063197.D

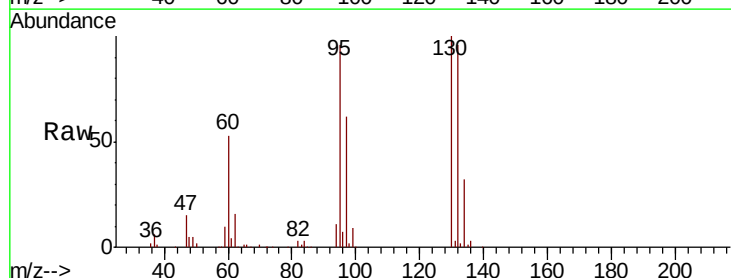
Acq: 29 Jul 2019 14:08

Tgt Ion:130 Resp: 551346

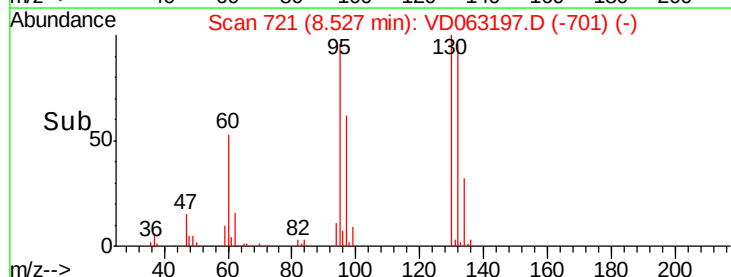
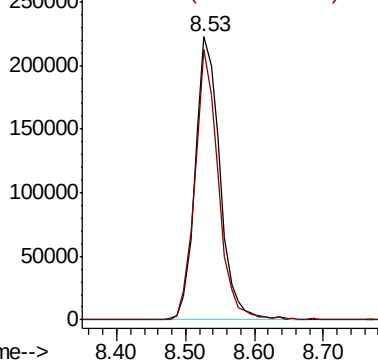
Ion Ratio Lower Upper

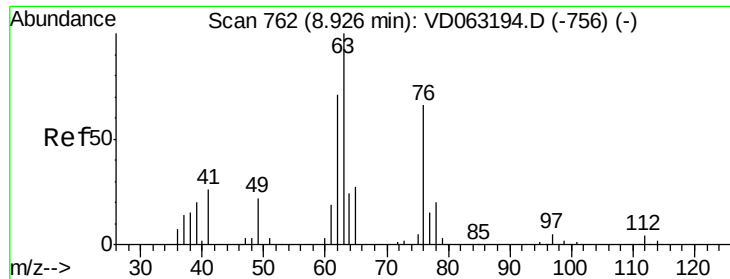
130 100

95 95.6 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 51.912 ug/l

RT: 8.93 min Scan# 762

Delta R.T. 0.00 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

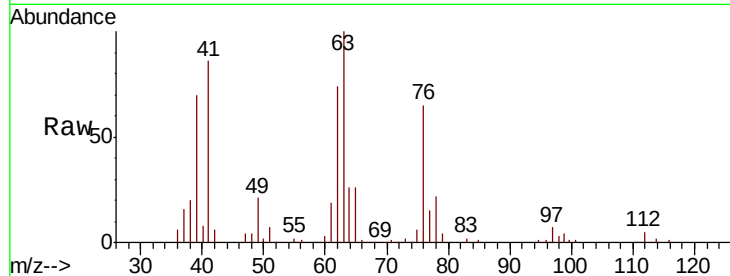
ICVVD072919

Tot Ion: 63 Resp: 362030

Ion Ratio Lower Upper

63 100

65 26.2 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

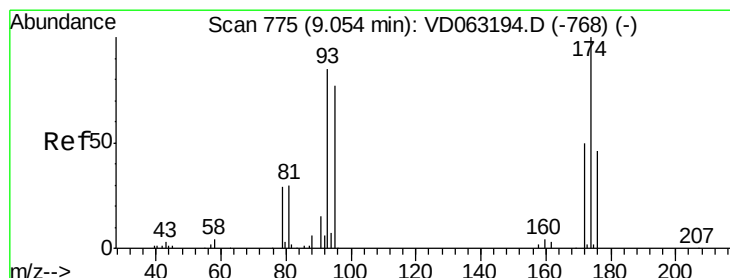
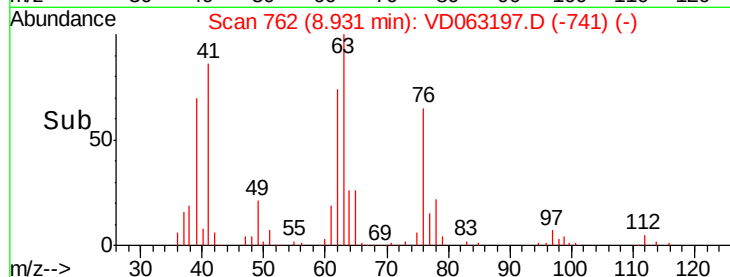
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 47.602 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.00 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

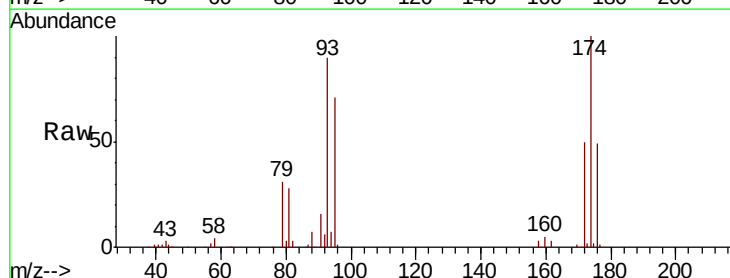
Tgt Ion: 93 Resp: 276029

Ion Ratio Lower Upper

93 100

95 79.3 72.8 109.2

174 111.6 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

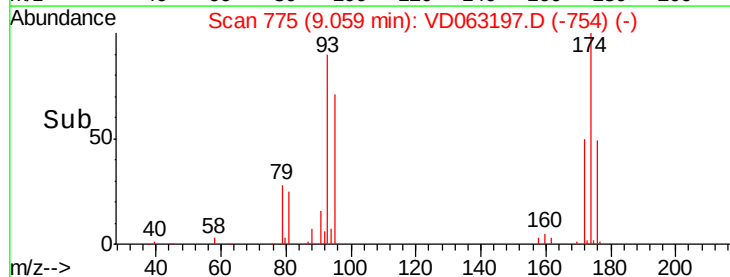
150000

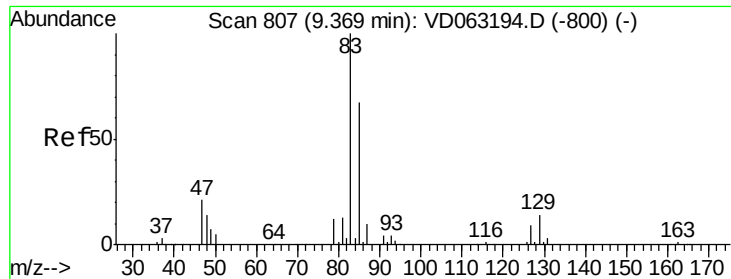
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 47.588 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072919

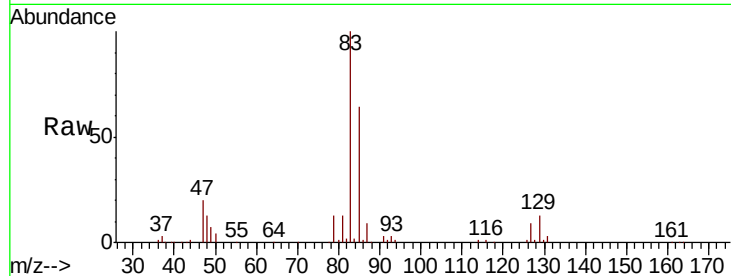
Tot Ion: 83 Resp: 703431

Ion Ratio Lower Upper

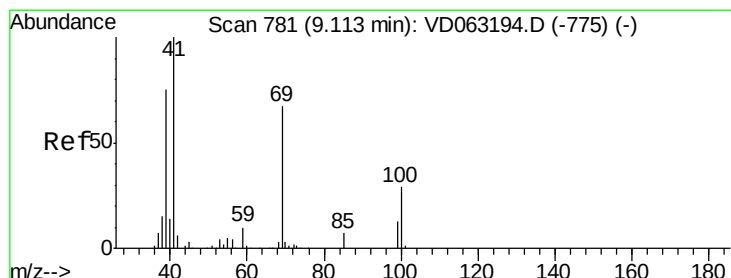
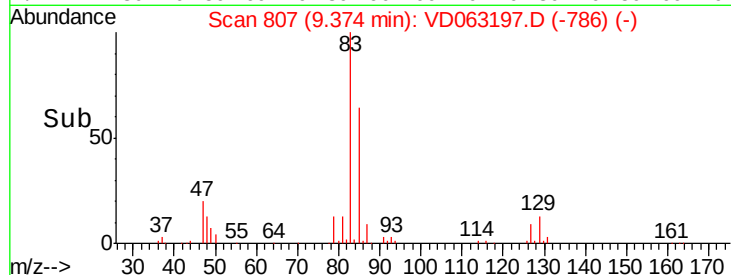
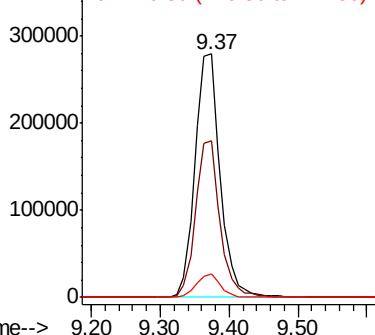
83 100

85 64.3 53.6 80.4

127 9.5 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: 50.173 ug/l

RT: 9.11 min Scan# 780

Delta R.T. -0.01 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

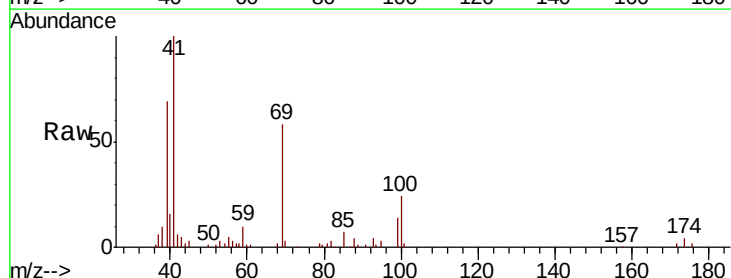
Tgt Ion: 41 Resp: 244476

Ion Ratio Lower Upper

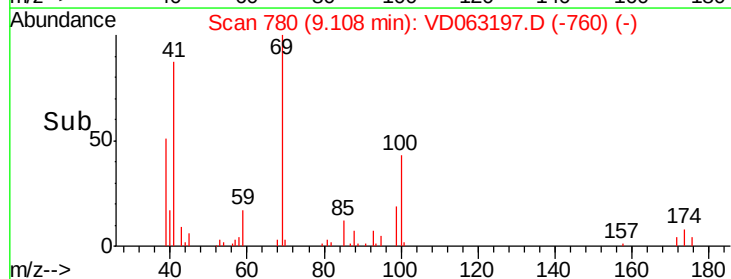
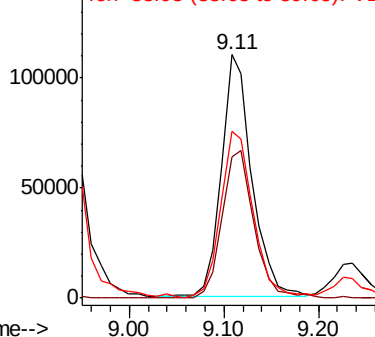
41 100

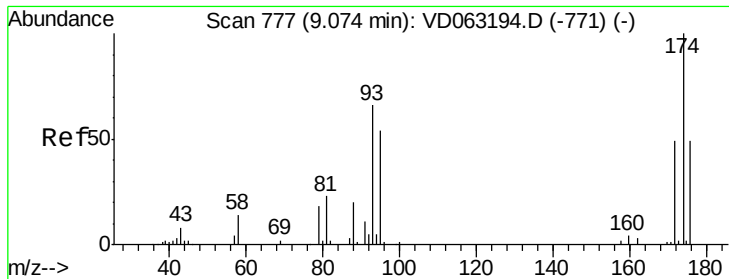
69 57.8 53.4 80.0

39 68.7 60.3 90.5



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

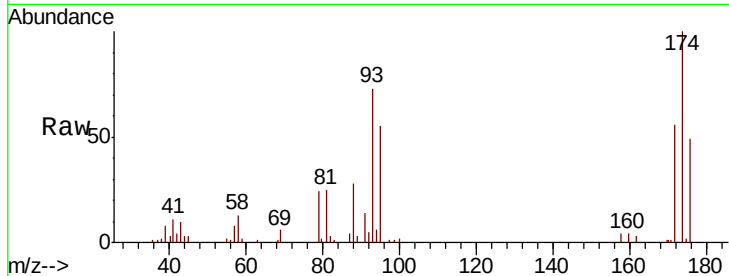




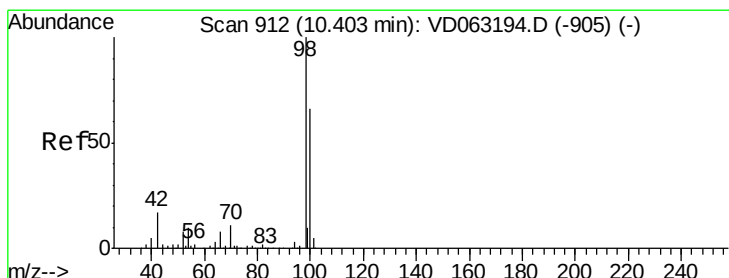
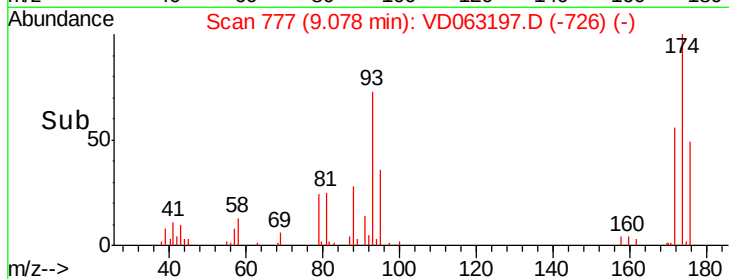
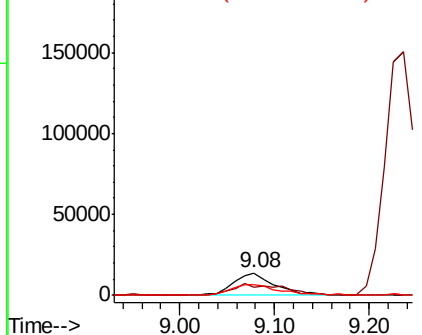
#49
1,4-Dioxane
Concen: 1007.807 ug/l
RT: 9.08 min Scan# 777
Delta R.T. 0.01 min
Lab File: VD063197.D
Acq: 29 Jul 2019 14:08

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072919

Tot Ion: 88 Resp: 41598
Ion Ratio Lower Upper
88 100
43 35.4 30.7 46.1
58 48.0 56.5 84.7#

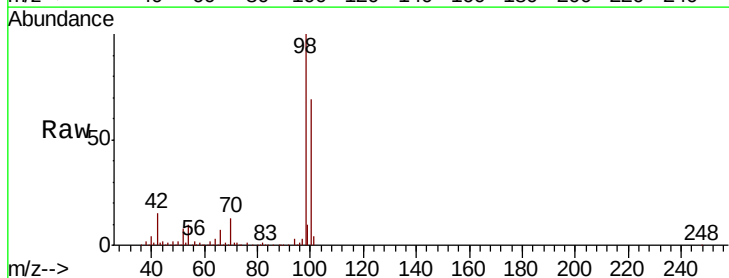


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

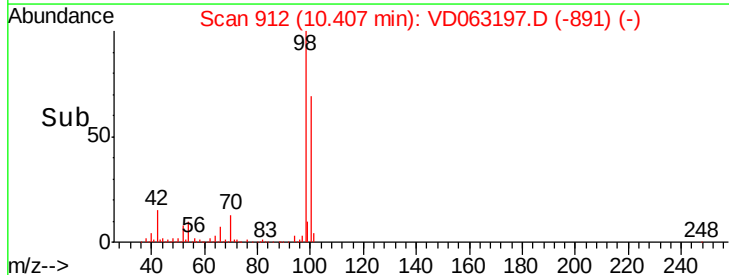
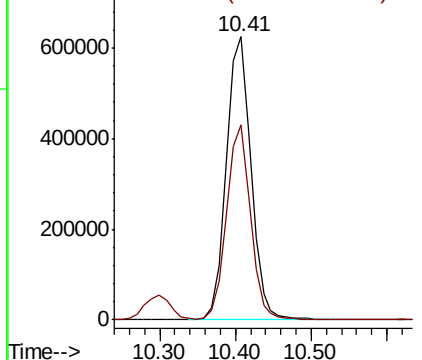


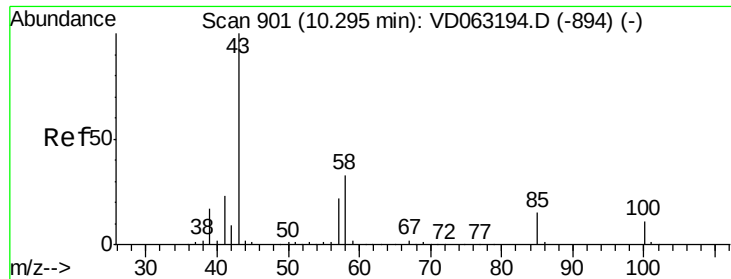
#50
Toluene-d8
Concen: 51.238 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063197.D
Acq: 29 Jul 2019 14:08

Tgt Ion: 98 Resp: 1404444
Ion Ratio Lower Upper
98 100
100 69.1 53.2 79.8



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





#51

4-Methyl-2-Pentanone

Concen: 235.463 ug/l

RT: 10.30 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

Instrument :

MSVOA_D

ClientSampleID :

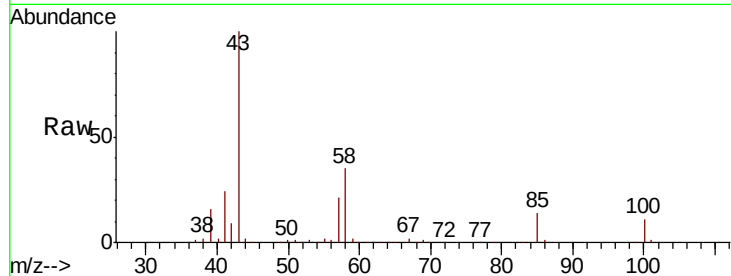
ICVVD072919

Tot Ion: 43 Resp: 1203102

Ion Ratio Lower Upper

43 100

58 34.9 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

500000

400000

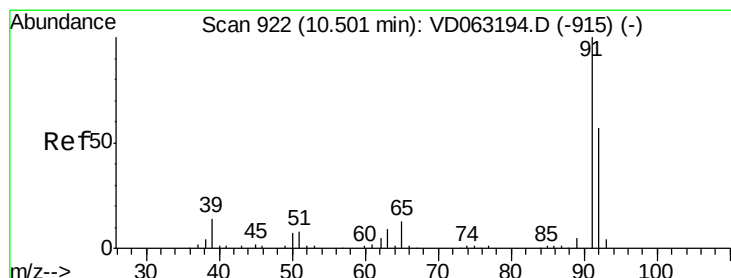
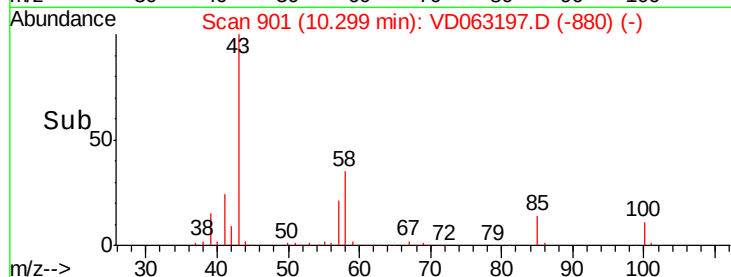
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.375 ug/l

RT: 10.51 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD063197.D

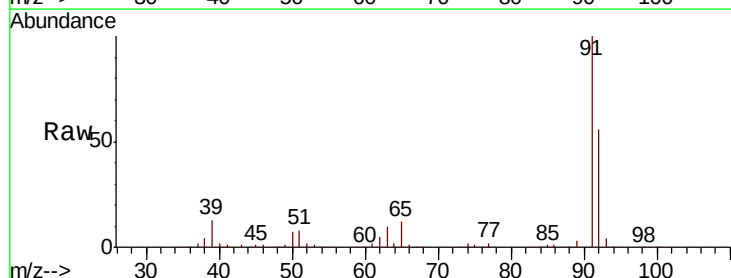
Acq: 29 Jul 2019 14:08

Tgt Ion: 92 Resp: 882795

Ion Ratio Lower Upper

92 100

91 177.2 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

800000

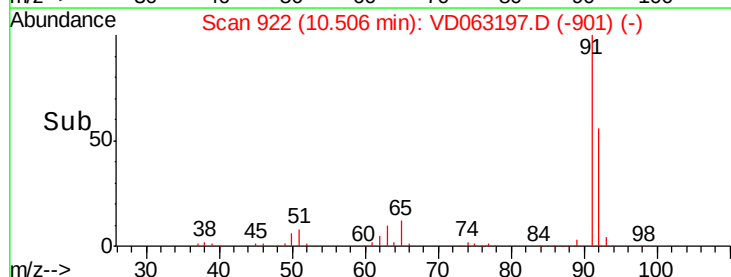
600000

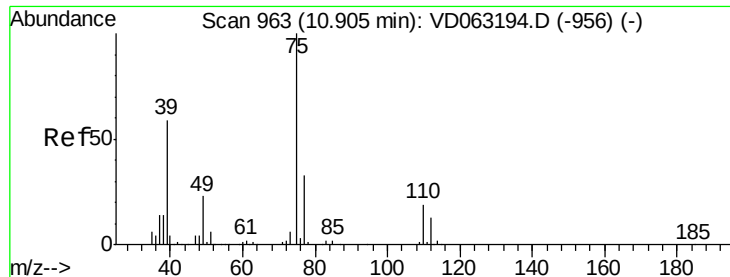
400000

200000

0

Time-->

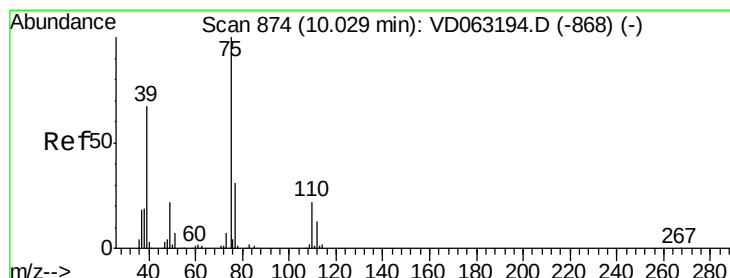
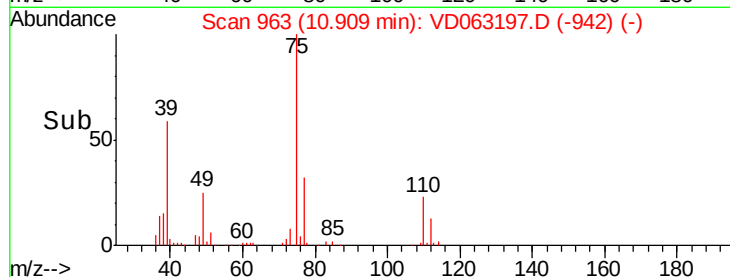
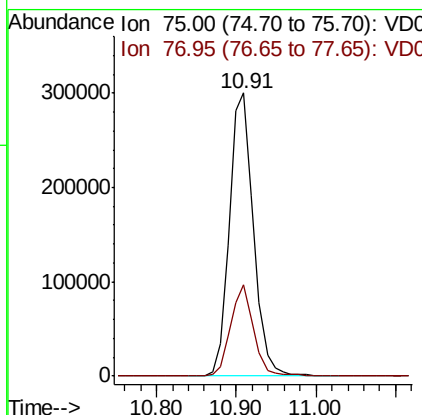
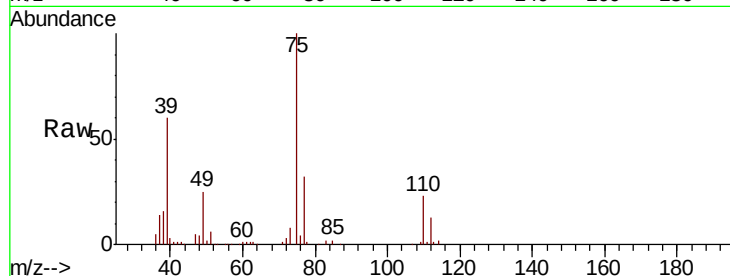




#53
t-1,3-Dichloropropene
Concen: 49.780 ug/l
RT: 10.91 min Scan# 963
Delta R.T. 0.00 min
Lab File: VD063197.D
Acq: 29 Jul 2019 14:08

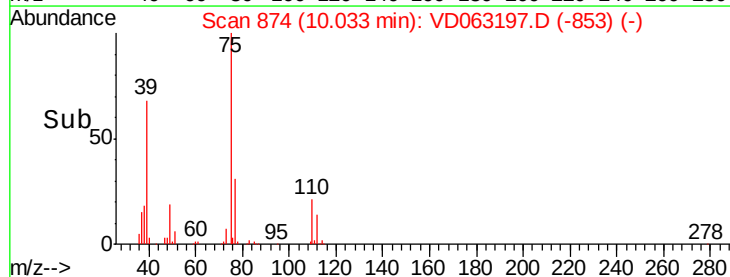
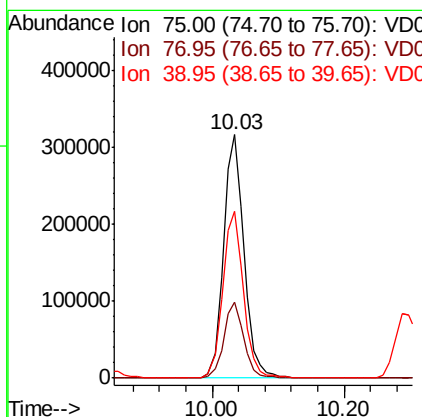
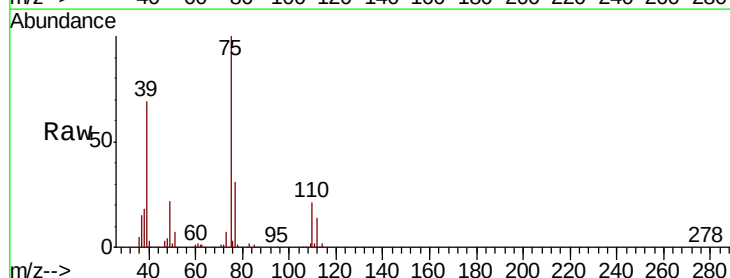
Instrument :
MSVOA_D
ClientSampleId :
ICVVD072919

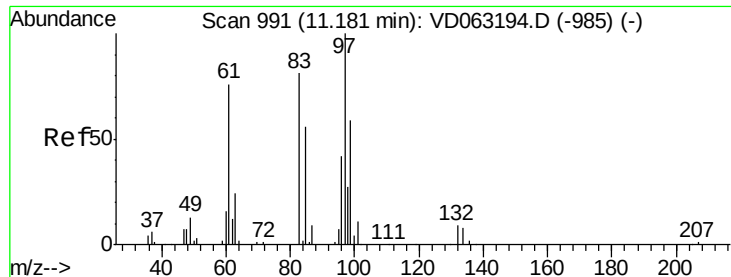
Tot Ion: 75 Resp: 634386
Ion Ratio Lower Upper
75 100
77 32.4 26.6 40.0



#54
cis-1,3-Dichloropropene
Concen: 51.336 ug/l
RT: 10.03 min Scan# 874
Delta R.T. 0.00 min
Lab File: VD063197.D
Acq: 29 Jul 2019 14:08

Tgt Ion: 75 Resp: 687554
Ion Ratio Lower Upper
75 100
77 31.1 24.9 37.3
39 68.6 53.9 80.9

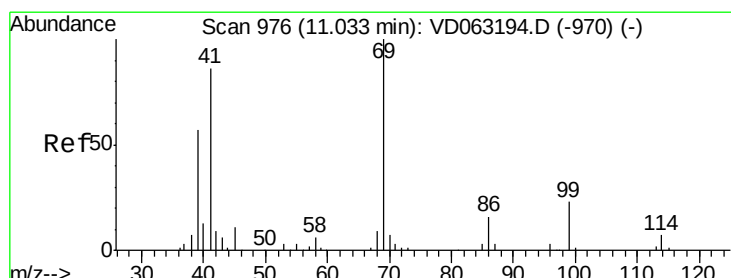
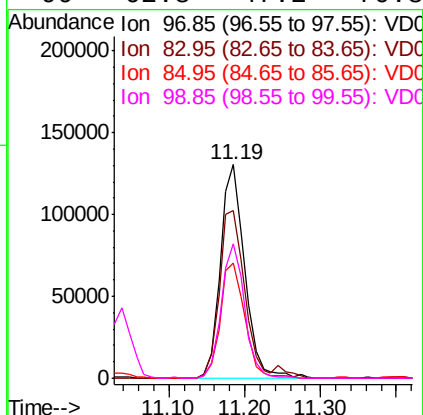
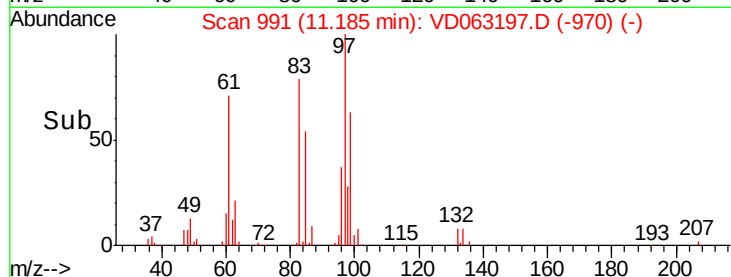
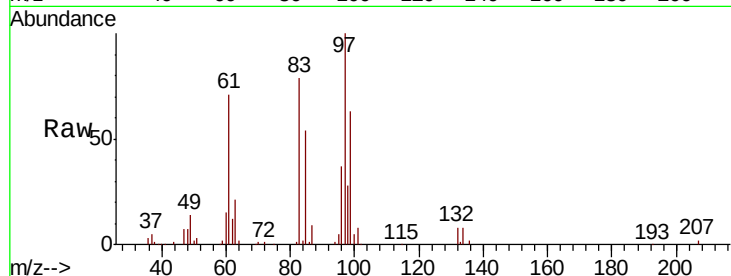




#55
 1,1,2-Trichloroethane
 Concen: 47.329 ug/l
 RT: 11.19 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VD063197.D
 Acq: 29 Jul 2019 14:08

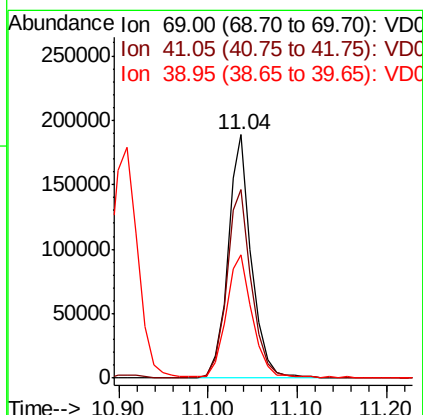
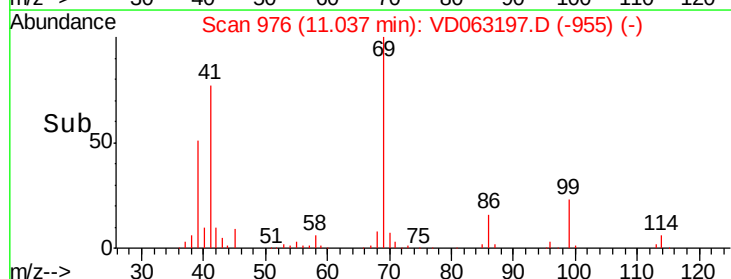
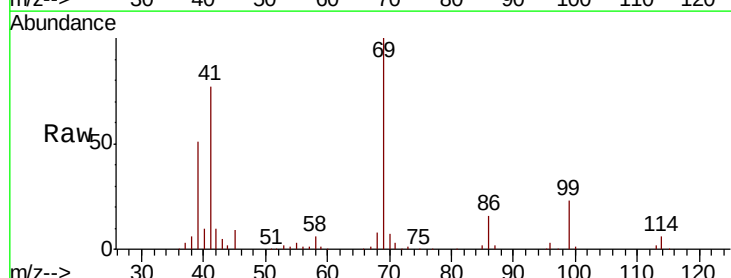
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD072919

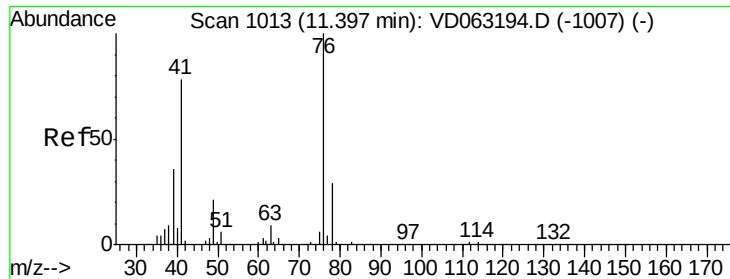
Tot Ion: 97 Resp: 291700
 Ion Ratio Lower Upper
 97 100
 83 78.5 64.8 97.2
 85 53.7 44.9 67.3
 99 62.8 47.2 70.8



#56
 Ethyl methacrylate
 Concen: 51.480 ug/l
 RT: 11.04 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VD063197.D
 Acq: 29 Jul 2019 14:08

Tgt Ion: 69 Resp: 347434
 Ion Ratio Lower Upper
 69 100
 41 77.3 68.8 103.2
 39 50.8 45.8 68.8

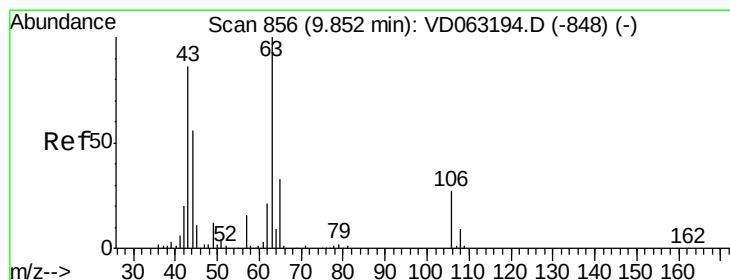
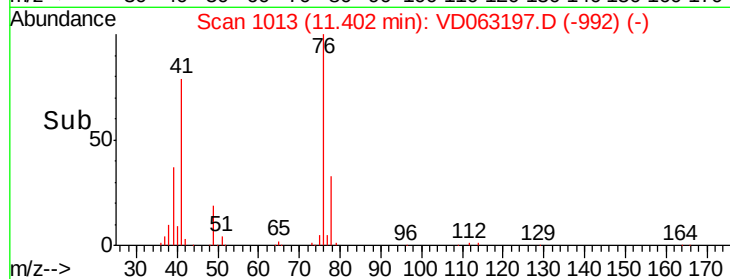
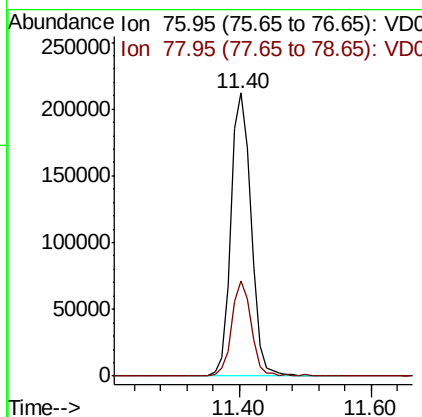
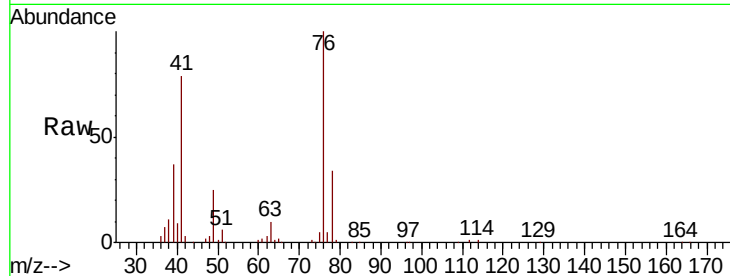




#57
 1,3-Dichloropropane
 Concen: 47.334 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD063197.D
 Acq: 29 Jul 2019 14:08

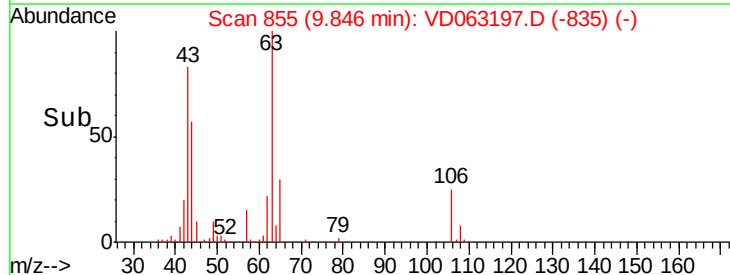
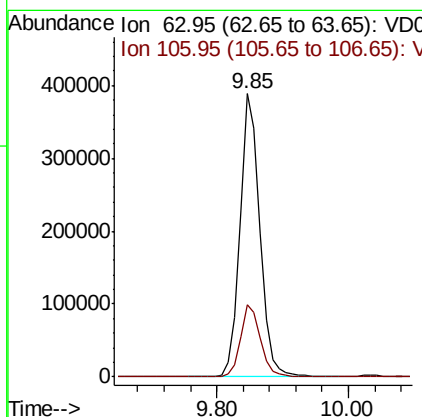
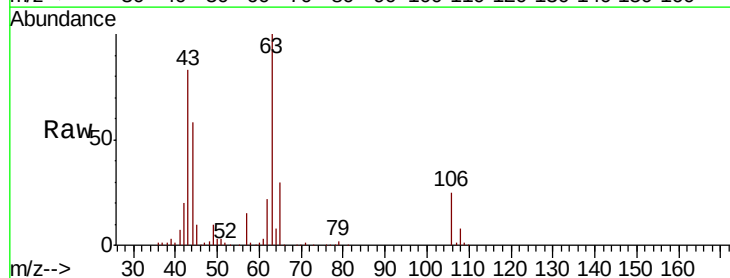
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD072919

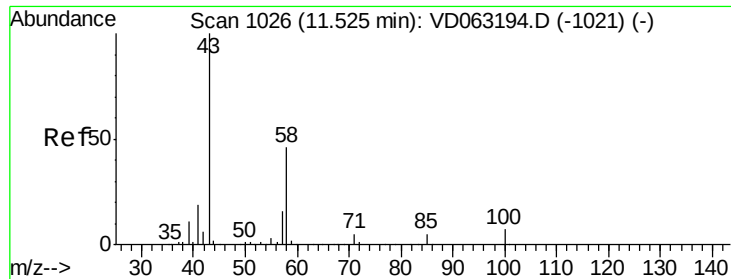
Tot Ion: 76 Resp: 459646
 Ion Ratio Lower Upper
 76 100
 78 33.7 23.4 35.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 234.145 ug/l
 RT: 9.85 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VD063197.D
 Acq: 29 Jul 2019 14:08

Tgt Ion: 63 Resp: 822255
 Ion Ratio Lower Upper
 63 100
 106 25.4 22.0 33.0

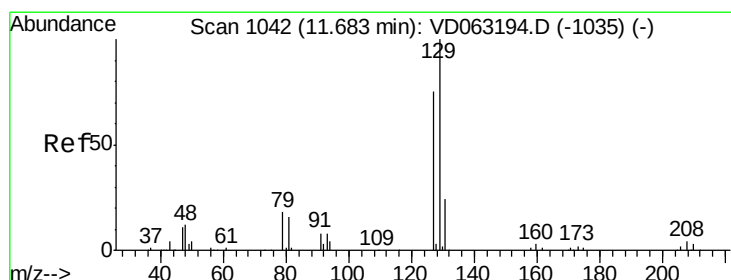
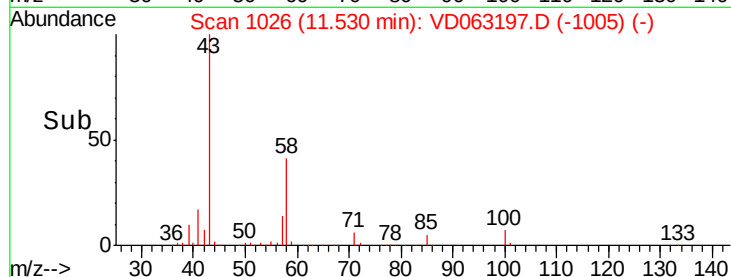
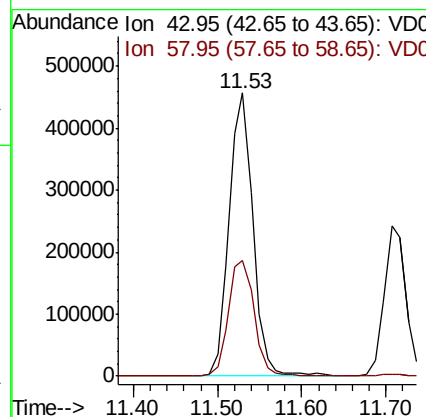
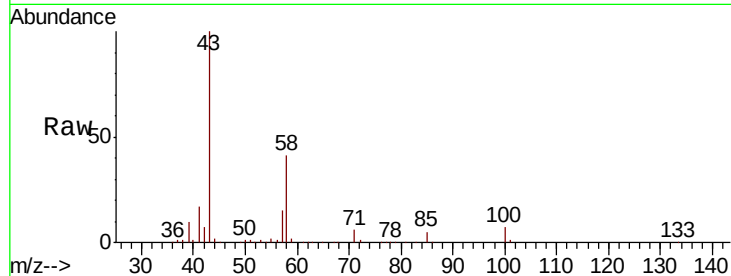




#59
2-Hexanone
Concen: 244.203 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD063197.D
Acq: 29 Jul 2019 14:08

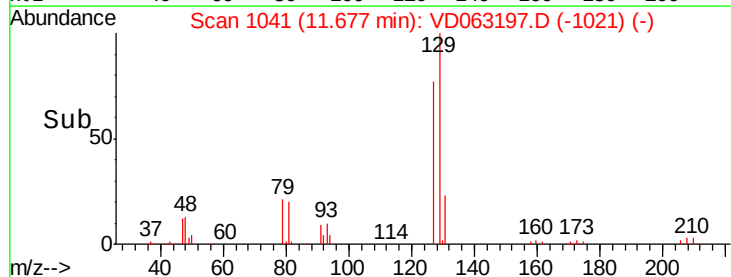
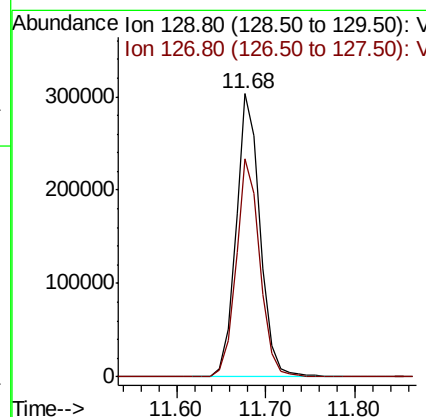
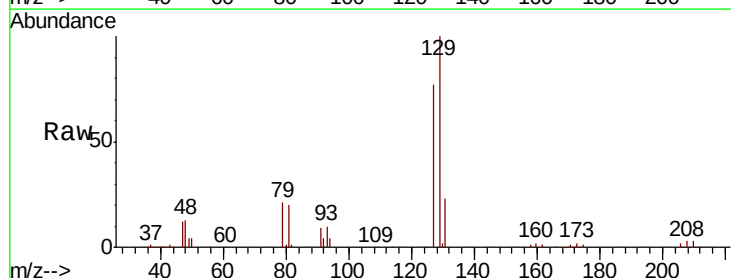
Instrument :
MSVOA_D
ClientSampleId :
ICVVD072919

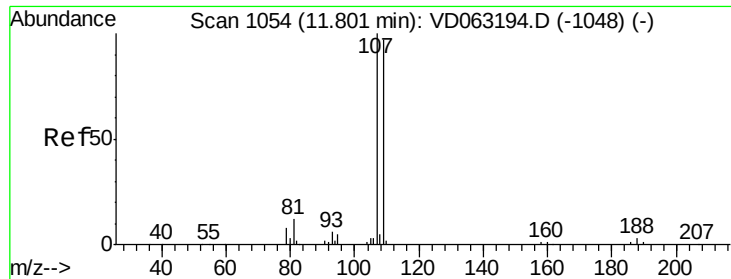
Tot Ion: 43 Resp: 899186
Ion Ratio Lower Upper
43 100
58 40.9 22.9 68.5



#60
Dibromochloromethane
Concen: 49.135 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD063197.D
Acq: 29 Jul 2019 14:08

Tgt Ion: 129 Resp: 571693
Ion Ratio Lower Upper
129 100
127 77.0 37.6 112.8





#61

1,2-Dibromoethane

Concen: 50.454 ug/l

RT: 11.81 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

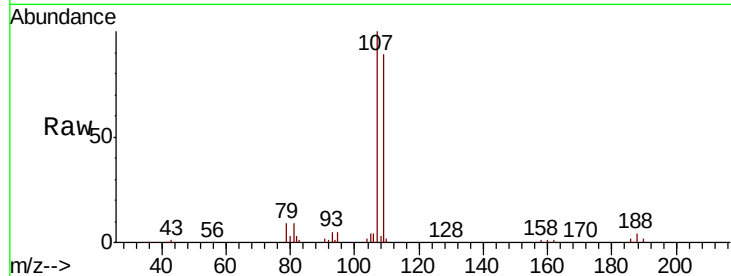
ICVVD072919

Tot Ion:107 Resp: 383708

Ion Ratio Lower Upper

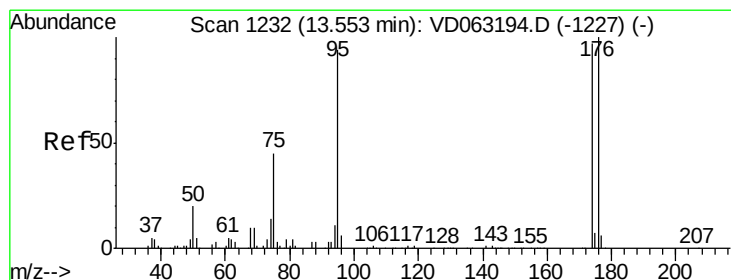
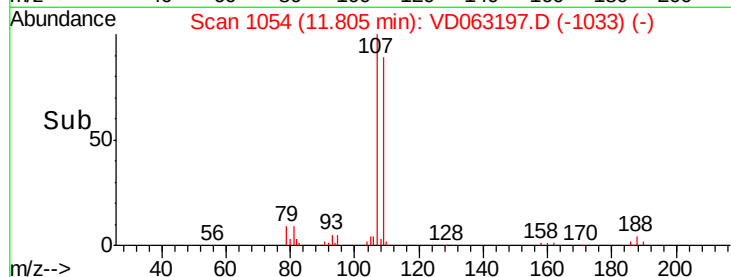
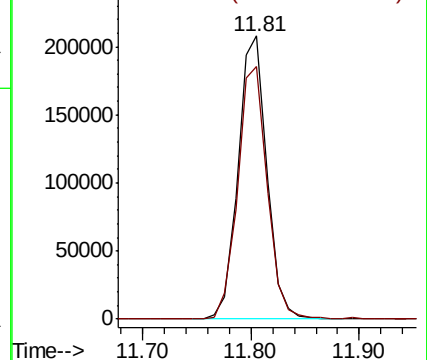
107 100

109 89.1 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: 49.094 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

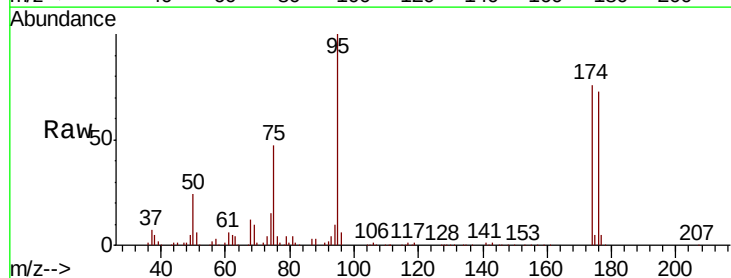
Tgt Ion: 95 Resp: 613210

Ion Ratio Lower Upper

95 100

174 76.2 0.0 205.4

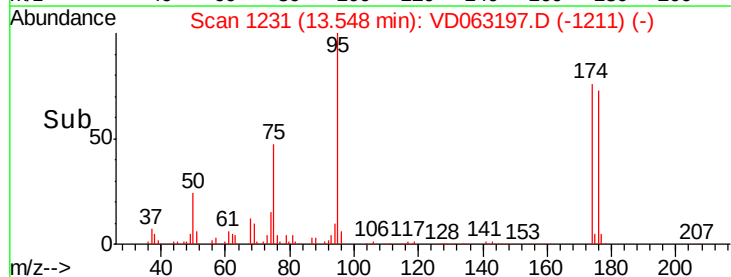
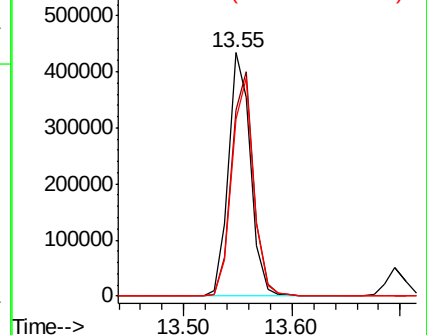
176 72.9 0.0 211.8

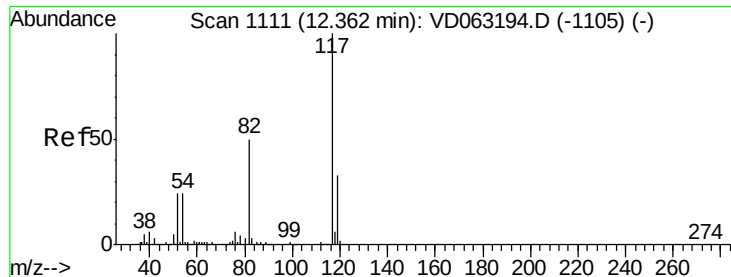


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

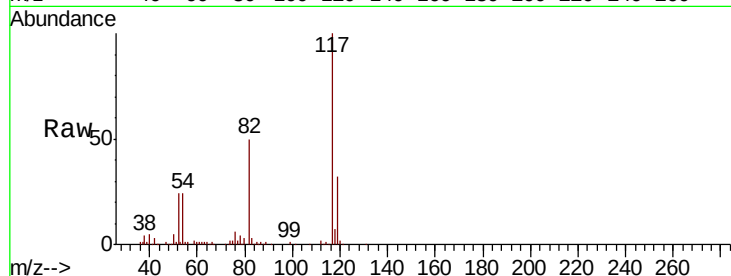




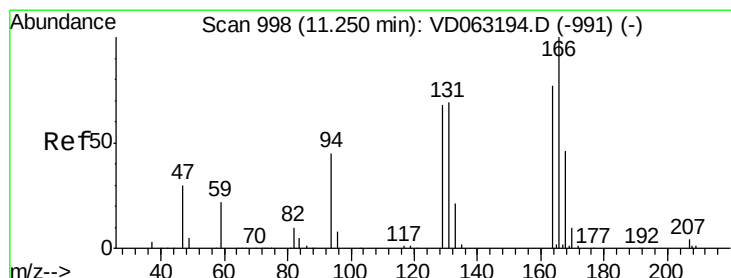
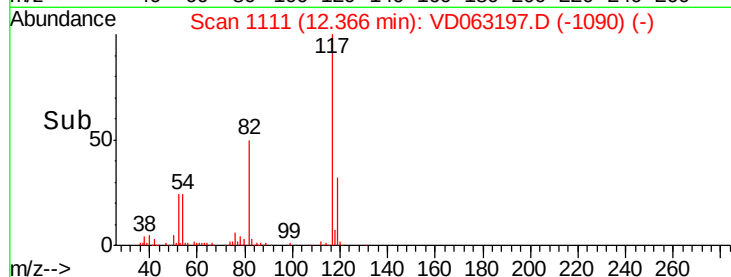
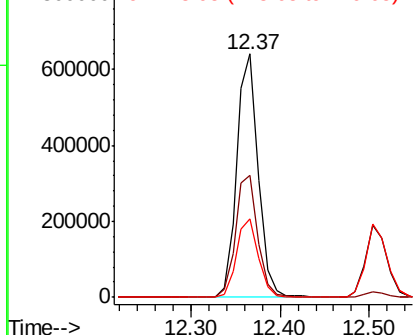
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063197.D
Acq: 29 Jul 2019 14:08

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072919

Tot Ion:117 Resp: 1079215
Ion Ratio Lower Upper
117 100
82 49.9 40.1 60.1
119 32.3 26.5 39.7

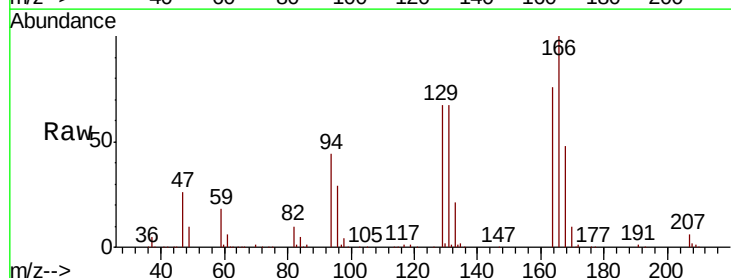


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

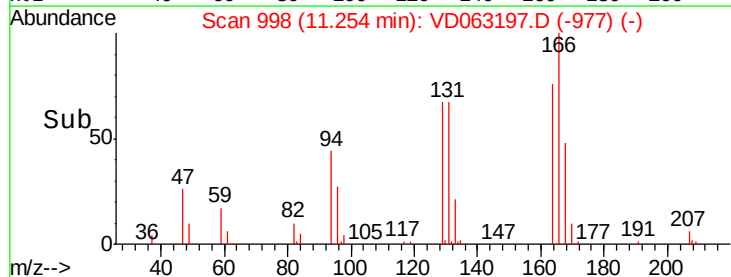
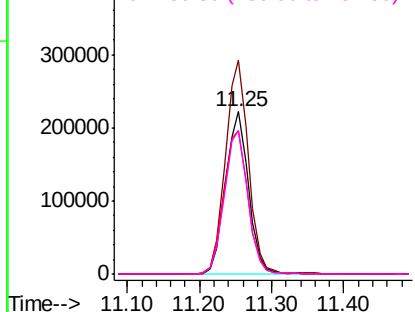


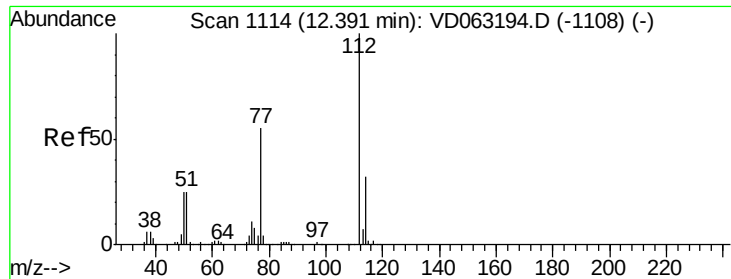
#64
Tetrachloroethene
Concen: 57.222 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063197.D
Acq: 29 Jul 2019 14:08

Tgt Ion:164 Resp: 491976
Ion Ratio Lower Upper
164 100
166 131.6 104.3 156.5
129 88.1 70.9 106.3
131 88.2 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

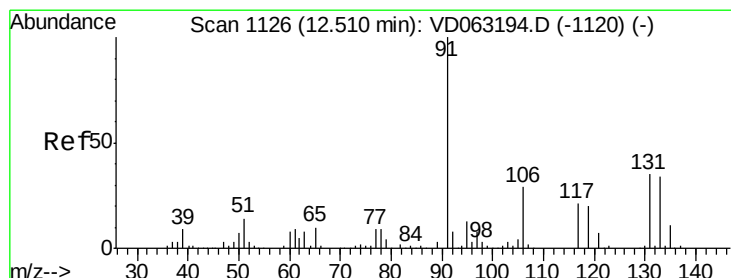
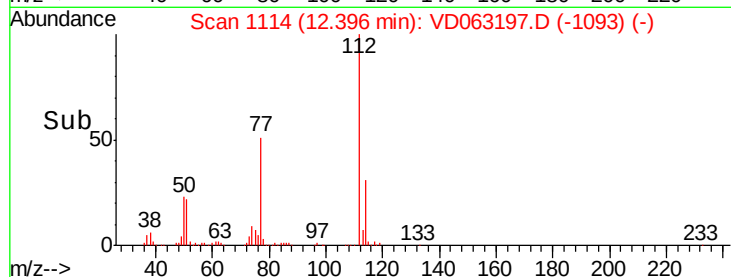
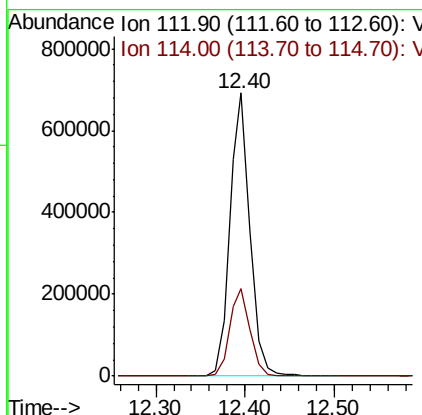
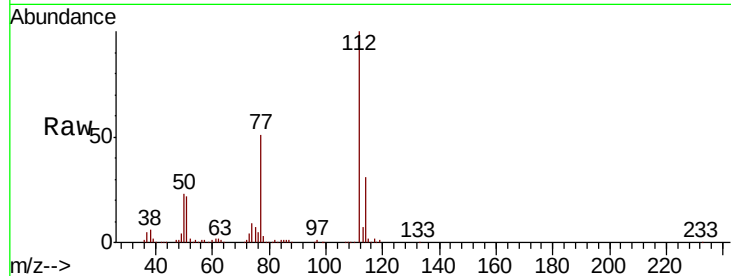




#65
Chlorobenzene
Concen: 52.708 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063197.D
Acq: 29 Jul 2019 14:08

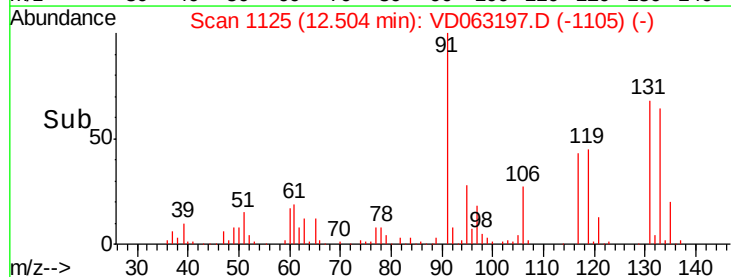
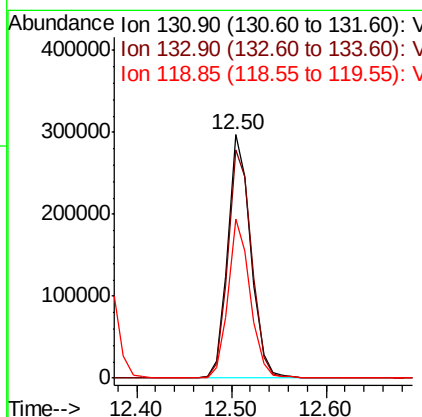
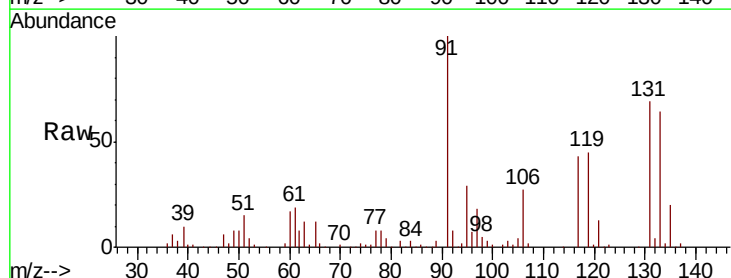
Instrument :
MSVOA_D
ClientSampleId :
ICVVD072919

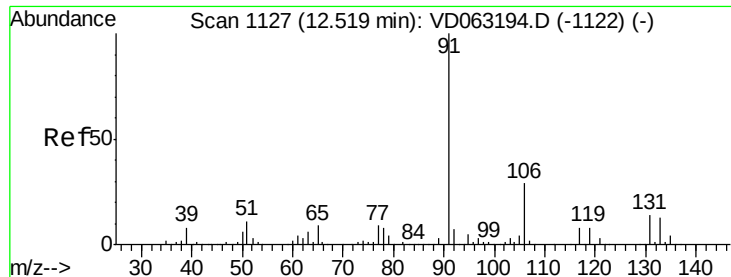
Tot Ion:112 Resp: 1094125
Ion Ratio Lower Upper
112 100
114 31.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 54.495 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD063197.D
Acq: 29 Jul 2019 14:08

Tgt Ion:131 Resp: 498290
Ion Ratio Lower Upper
131 100
133 93.9 48.4 145.2
119 65.3 29.1 87.3

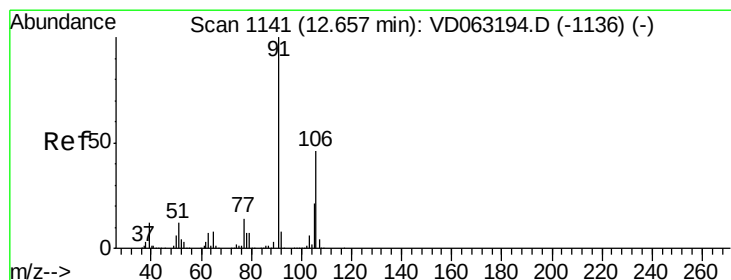
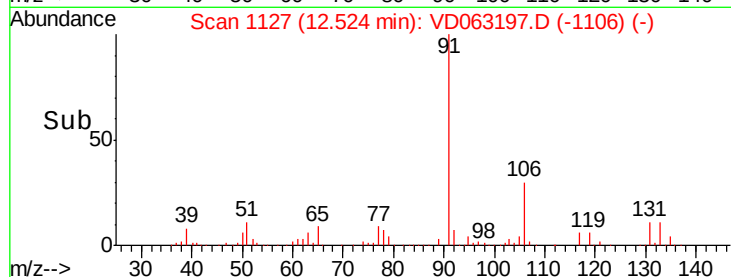
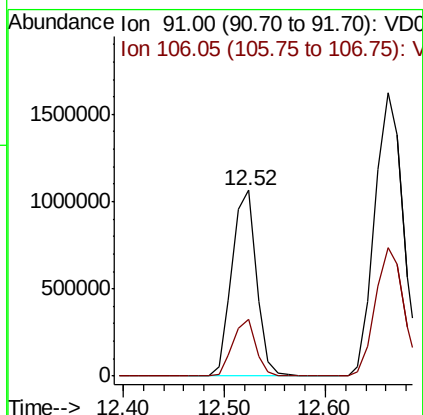
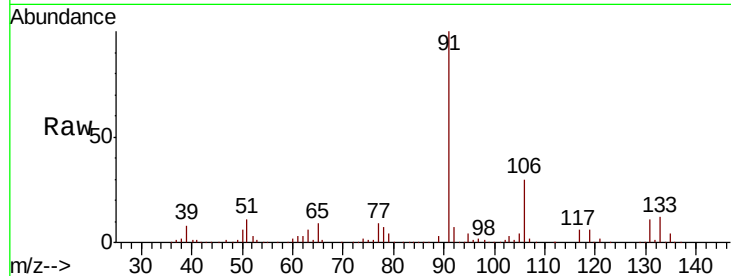




#67
Ethyl Benzene
Concen: 51.419 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD063197.D
Acq: 29 Jul 2019 14:08

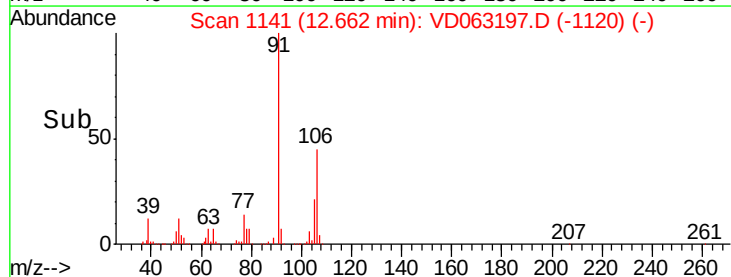
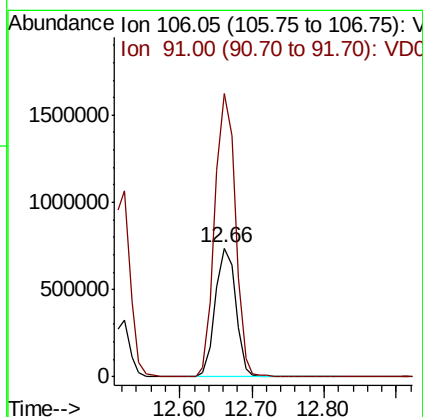
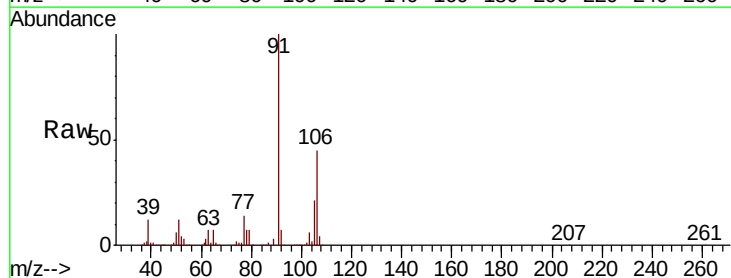
Instrument :
MSVOA_D
ClientSampleId :
ICVVD072919

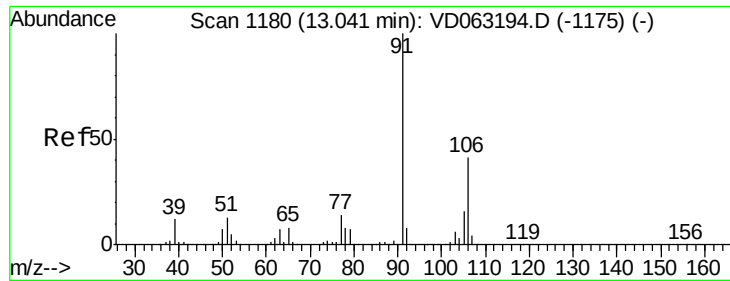
Tot Ion: 91 Resp: 1813210
Ion Ratio Lower Upper
91 100
106 30.3 22.9 34.3



#68
m/p-Xylenes
Concen: 111.545 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VD063197.D
Acq: 29 Jul 2019 14:08

Tgt Ion: 106 Resp: 1442523
Ion Ratio Lower Upper
106 100
91 220.1 172.6 259.0

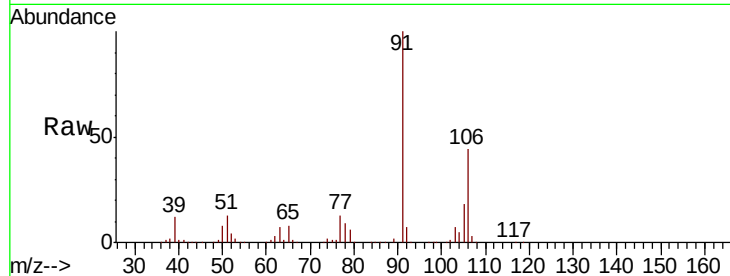




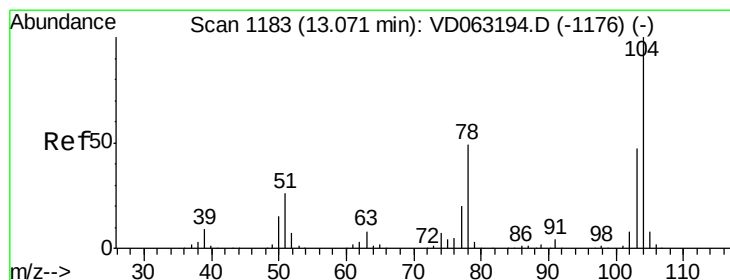
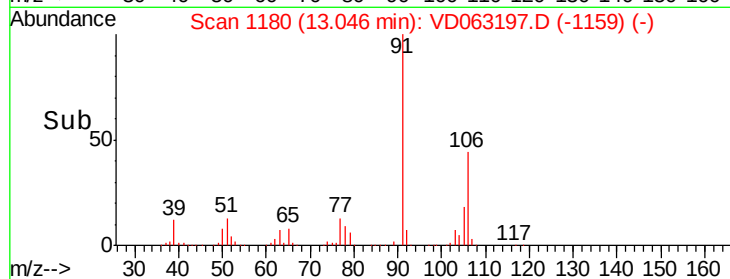
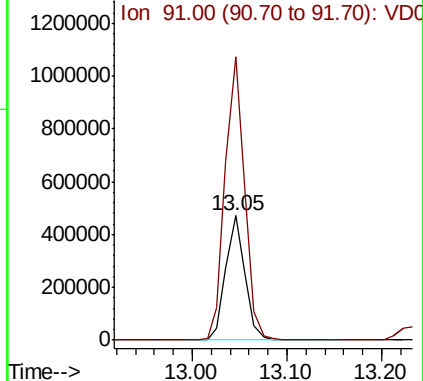
#69
o-Xylene
Concen: 55.789 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD063197.D
Acq: 29 Jul 2019 14:08

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072919

Tot Ion:106 Resp: 662539
Ion Ratio Lower Upper
106 100
91 228.0 121.3 363.9

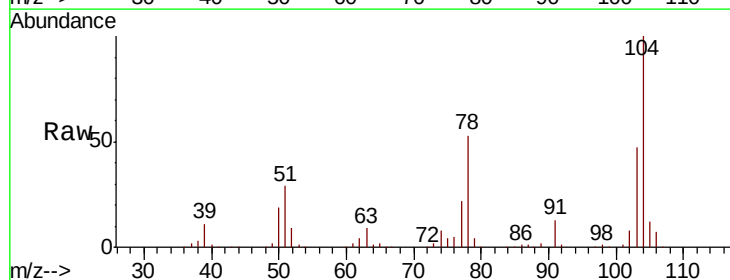


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

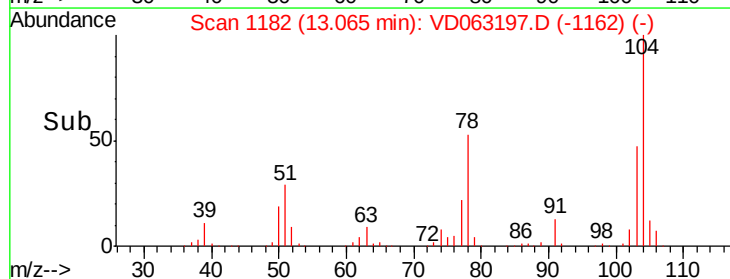
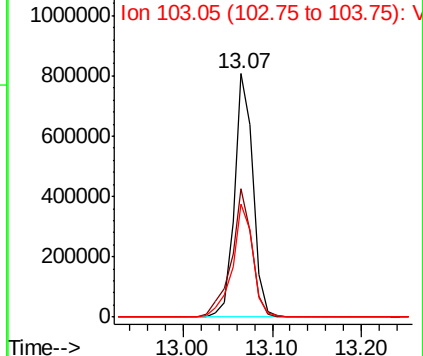


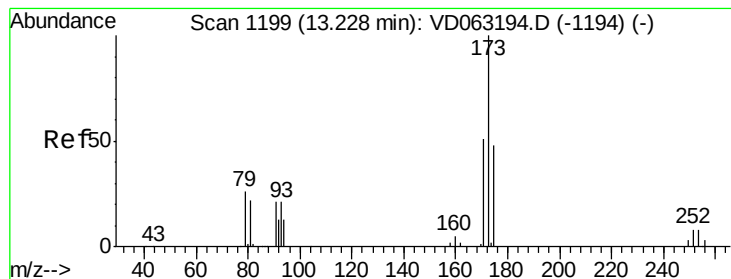
#70
Styrene
Concen: 56.142 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063197.D
Acq: 29 Jul 2019 14:08

Tgt Ion:104 Resp: 1182394
Ion Ratio Lower Upper
104 100
78 52.6 39.4 59.0
103 46.6 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: 54.171 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072919

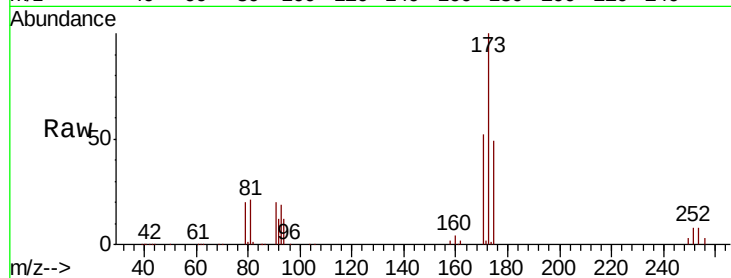
Tot Ion:173 Resp: 360211

Ion Ratio Lower Upper

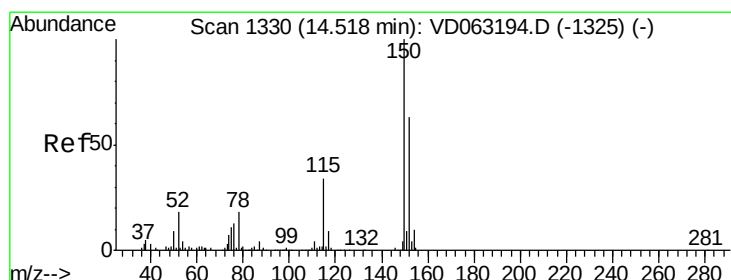
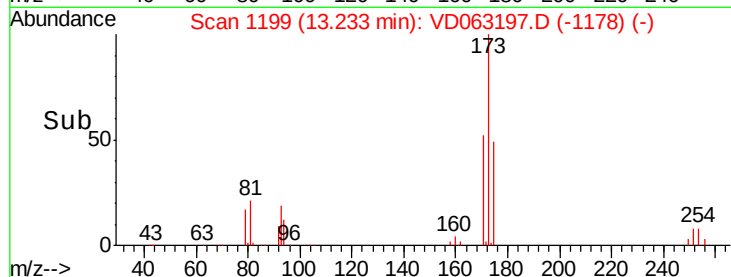
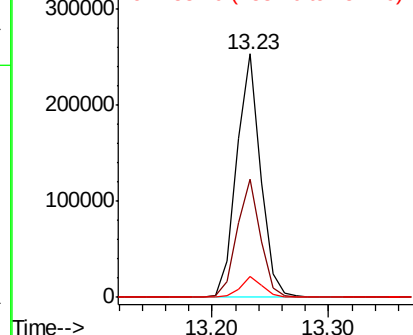
173 100

175 48.8 23.8 71.5

254 8.4 6.6 10.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

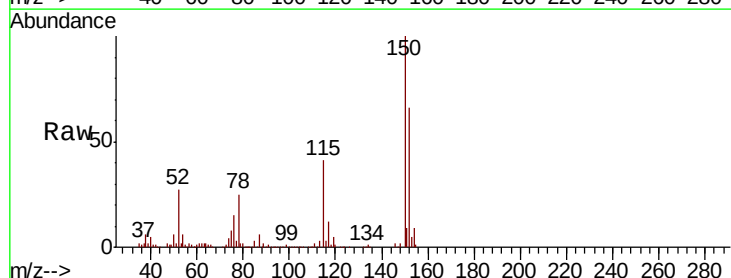
Tgt Ion:152 Resp: 637736

Ion Ratio Lower Upper

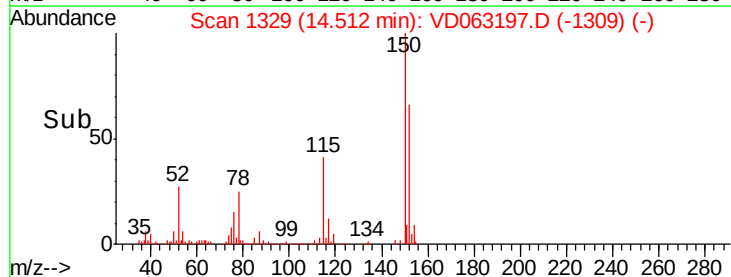
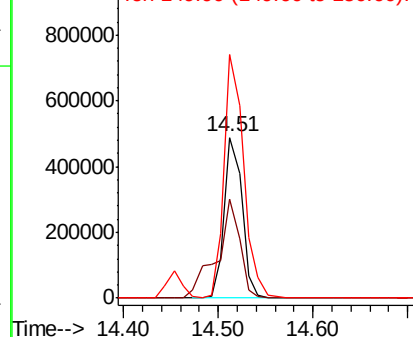
152 100

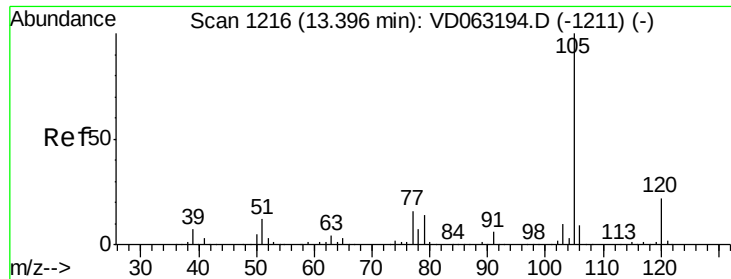
115 61.7 27.5 82.4

150 151.2 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: 47.109 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

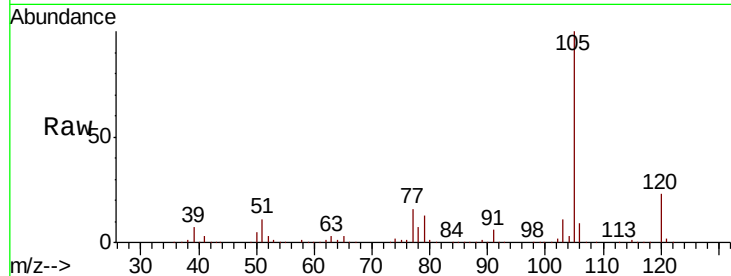
ICVVD072919

Tot Ion:105 Resp: 1885575

Ion Ratio Lower Upper

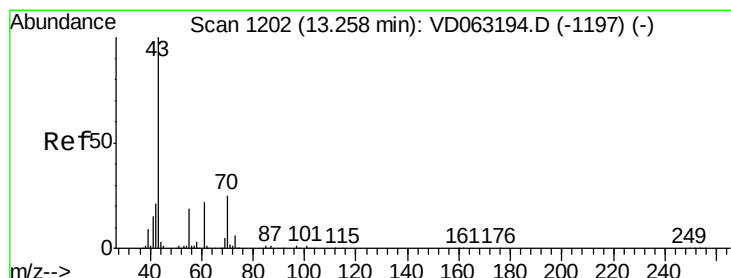
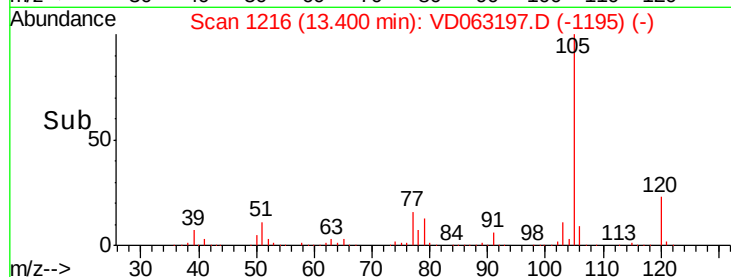
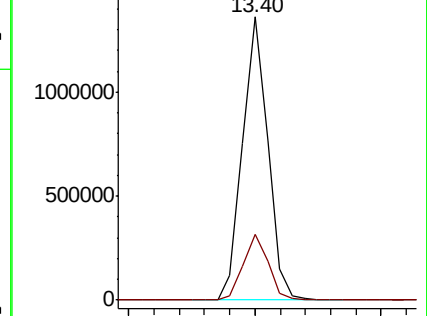
105 100

120 23.3 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 49.068 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

Tgt Ion: 43 Resp: 519206

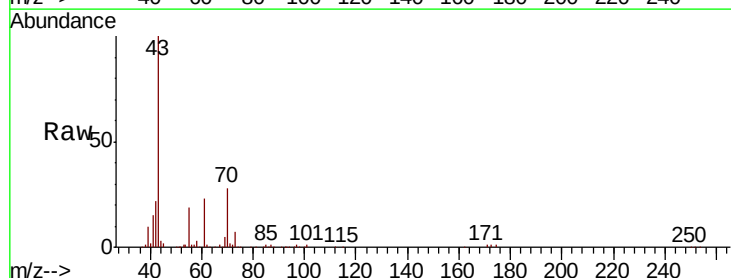
Ion Ratio Lower Upper

43 100

70 28.0 20.2 30.4

55 19.1 14.9 22.3

61 23.0 17.9 26.9

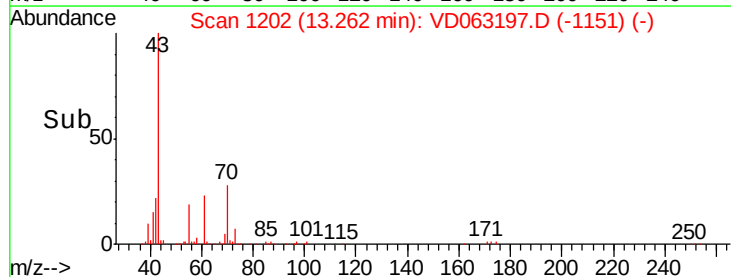
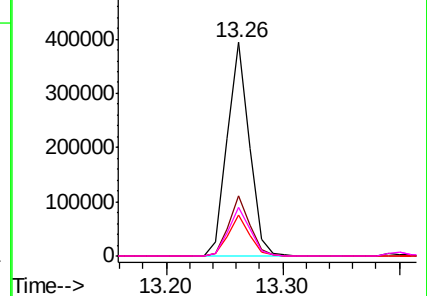


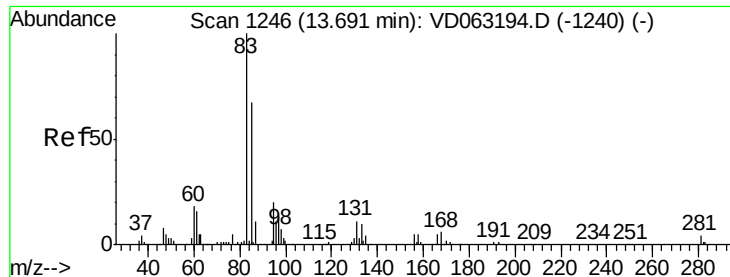
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.799 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072919

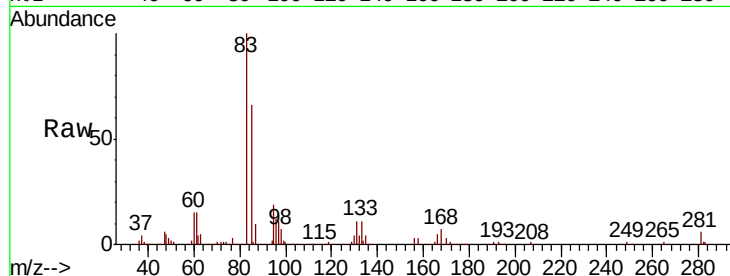
Tot Ion: 83 Resp: 331785

Ion Ratio Lower Upper

83 100

131 10.7 5.5 16.7

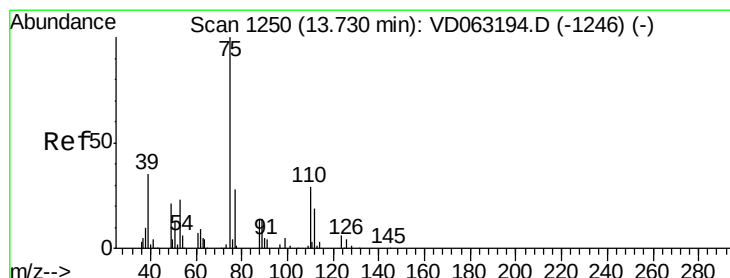
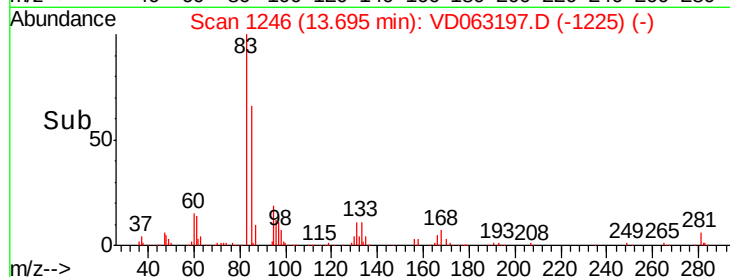
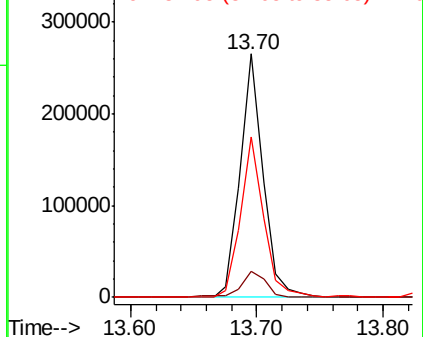
85 65.7 33.7 101.1



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: 47.475 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD063197.D

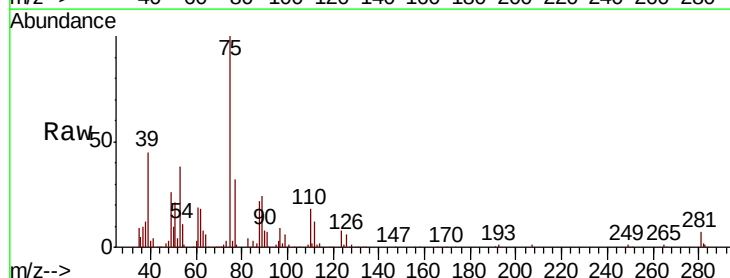
Acq: 29 Jul 2019 14:08

Tgt Ion: 75 Resp: 363661

Ion Ratio Lower Upper

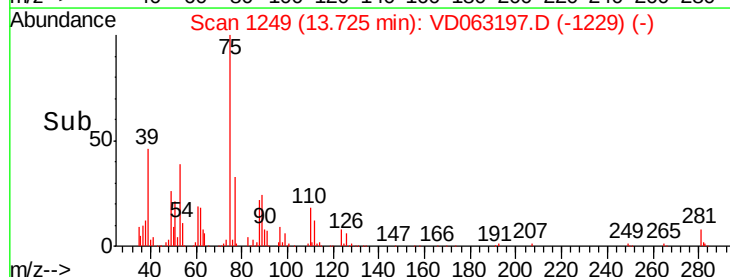
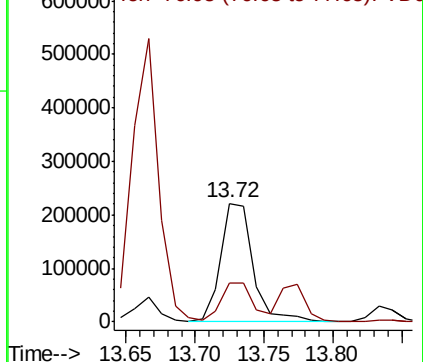
75 100

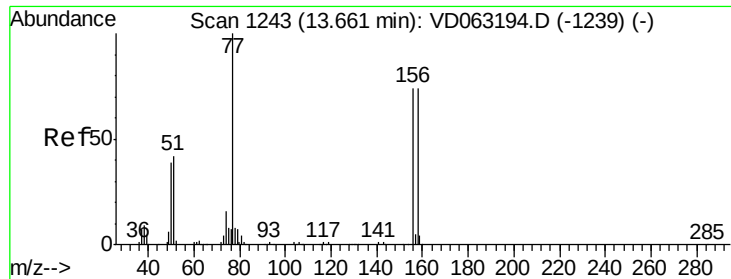
77 32.5 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 50.335 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072919

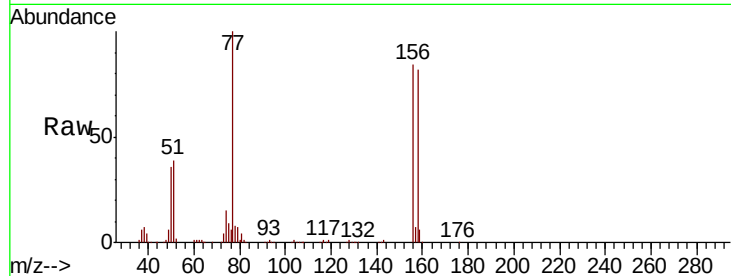
Tot Ion:156 Resp: 573936

Ion Ratio Lower Upper

156 100

77 118.7 67.6 202.8

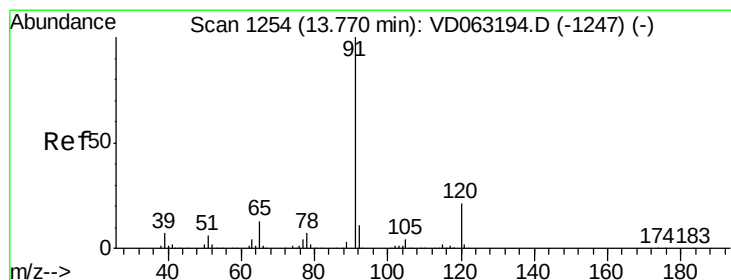
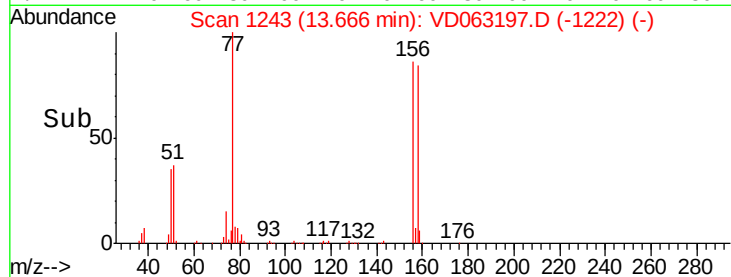
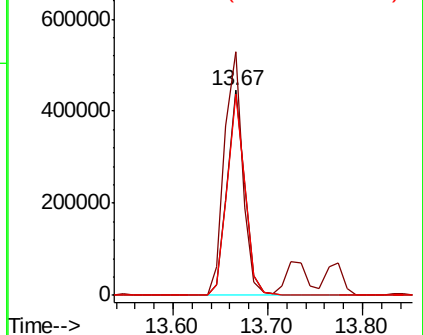
158 97.9 49.8 149.4



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: 49.251 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD063197.D

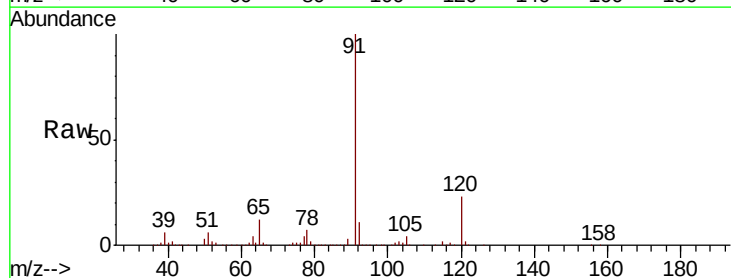
Acq: 29 Jul 2019 14:08

Tgt Ion: 91 Resp: 2345931

Ion Ratio Lower Upper

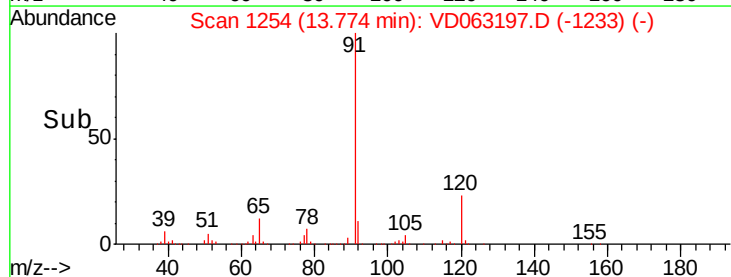
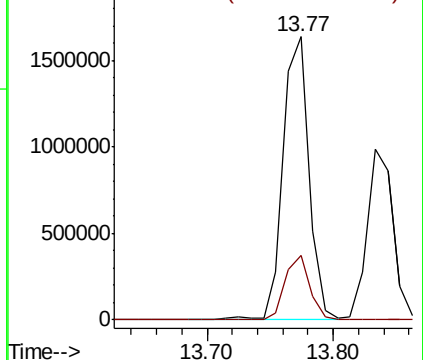
91 100

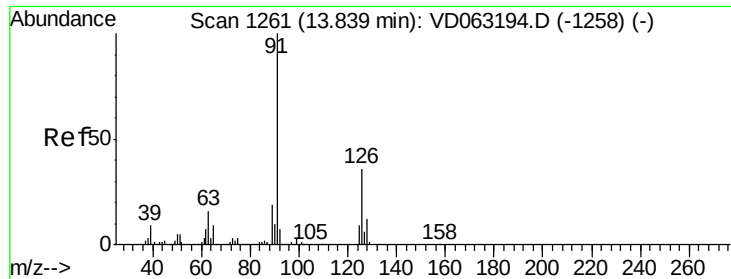
120 23.0 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 50.479 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

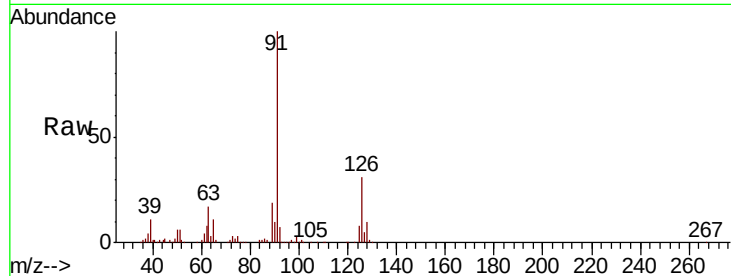
ICVVD072919

Tot Ion: 91 Resp: 1393216

Ion Ratio Lower Upper

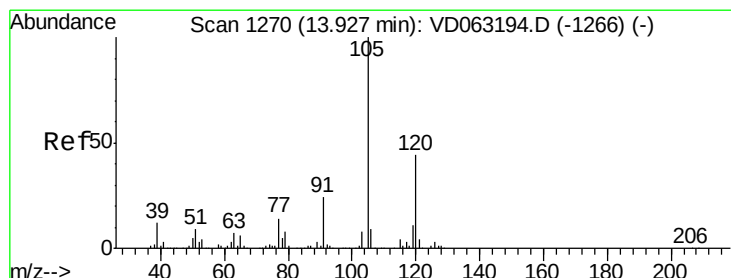
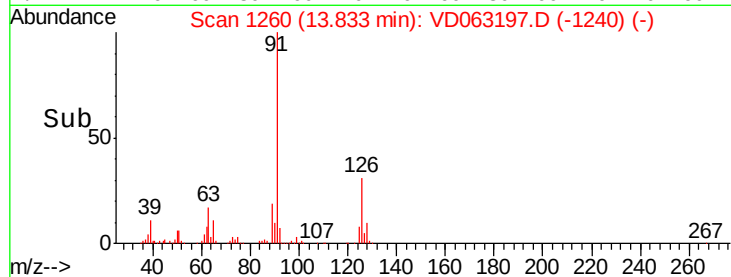
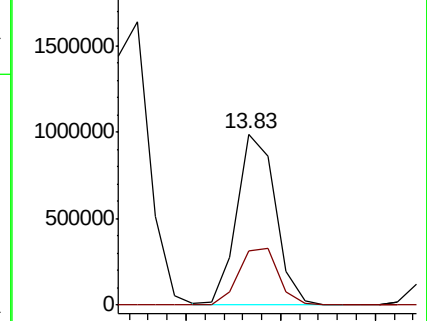
91 100

126 31.5 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 50.675 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD063197.D

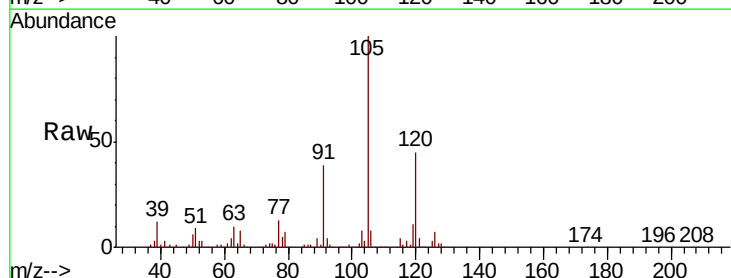
Acq: 29 Jul 2019 14:08

Tgt Ion:105 Resp: 1749431

Ion Ratio Lower Upper

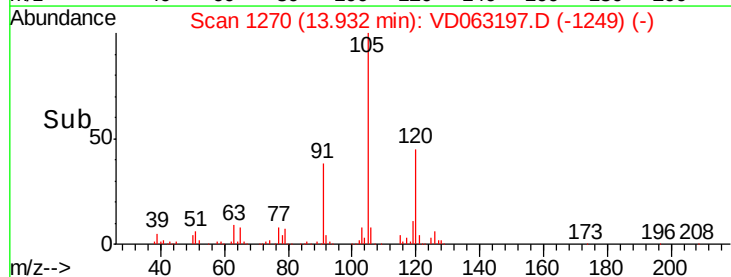
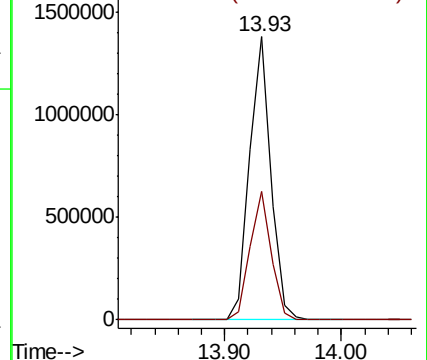
105 100

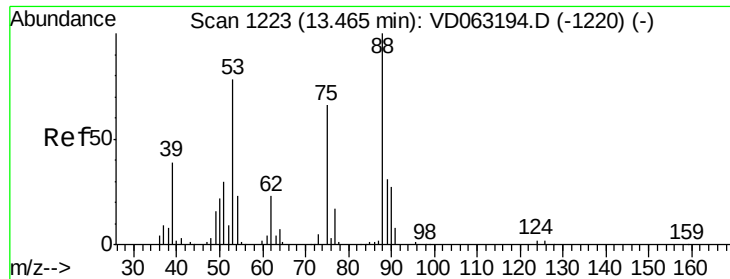
120 45.2 22.1 66.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

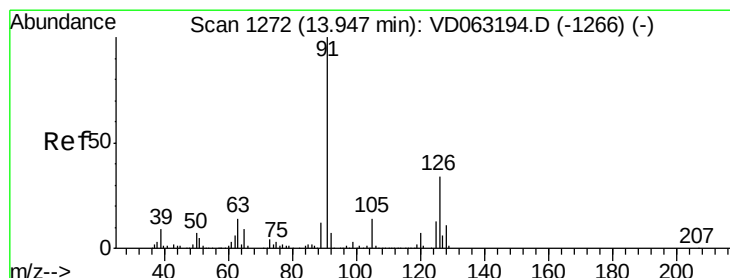
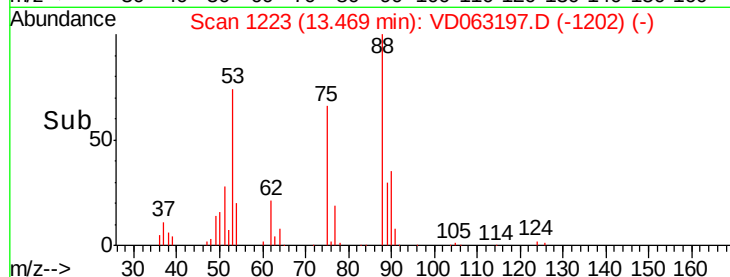
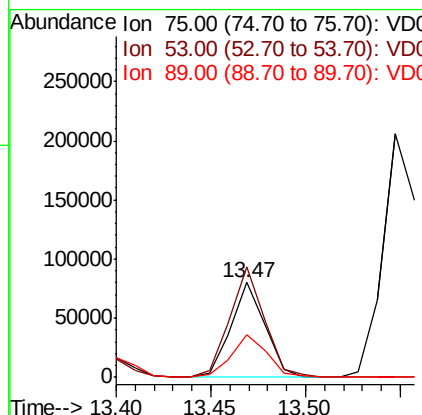
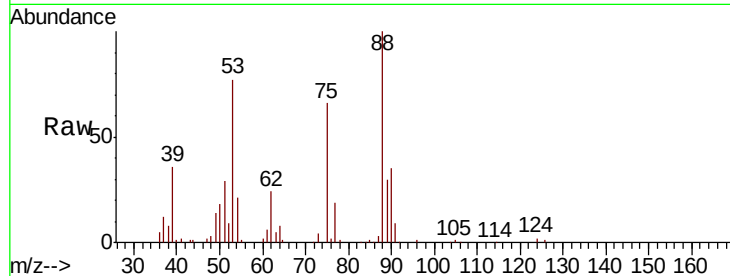




#81
trans-1,4-Dichloro-2-butene
Concen: 47.080 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD063197.D
Acq: 29 Jul 2019 14:08

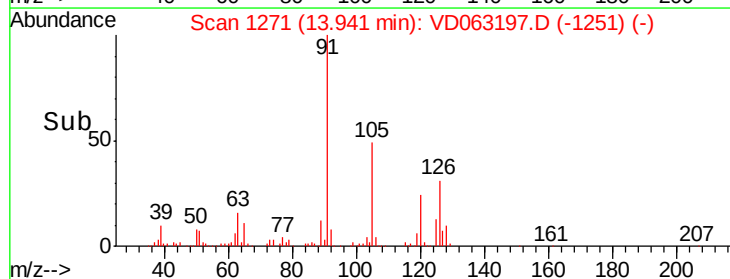
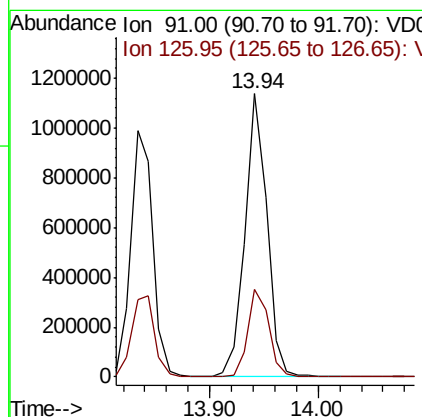
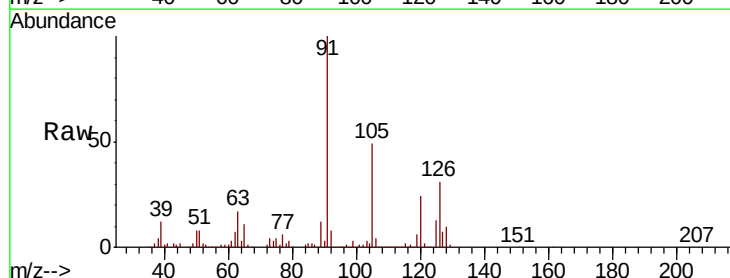
Instrument :
MSVOA_D
ClientSampleId :
ICVVD072919

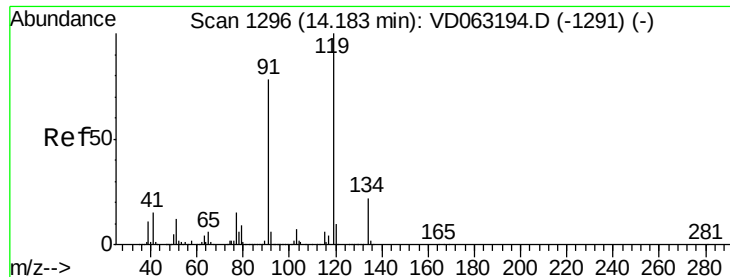
Tot Ion: 75 Resp: 100140
Ion Ratio Lower Upper
75 100
53 116.7 94.9 142.3
89 44.9 37.4 56.0



#82
4-Chlorotoluene
Concen: 49.126 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD063197.D
Acq: 29 Jul 2019 14:08

Tgt Ion: 91 Resp: 1595664
Ion Ratio Lower Upper
91 100
126 31.1 17.1 51.2

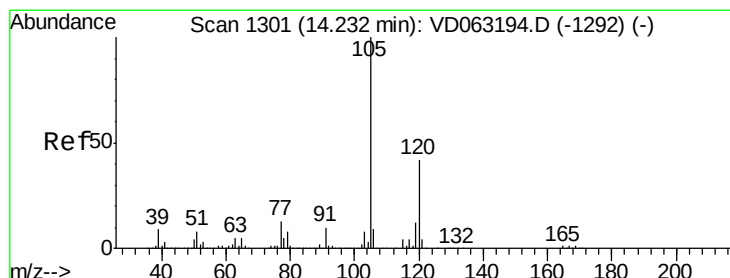
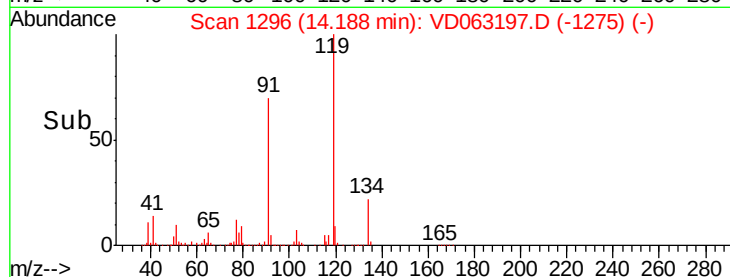
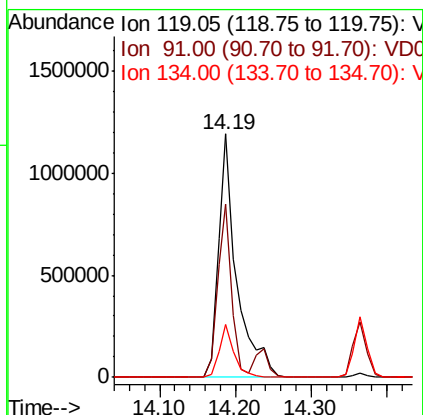
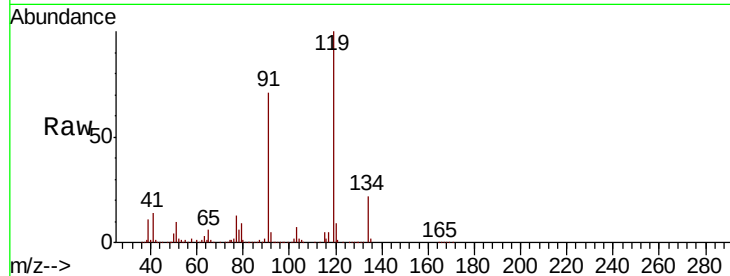




#83
 tert-Butylbenzene
 Concen: 51.315 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD063197.D
 Acq: 29 Jul 2019 14:08

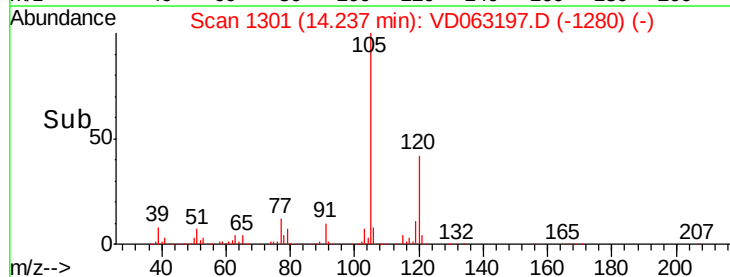
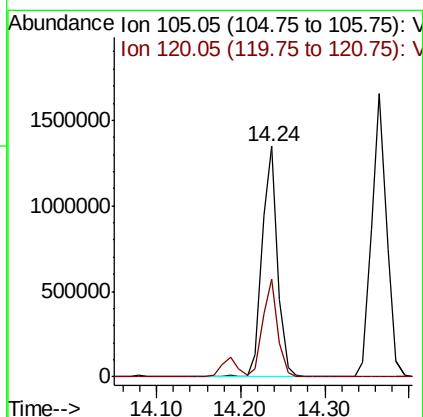
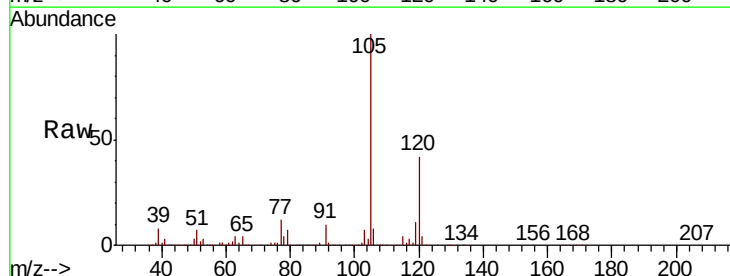
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD072919

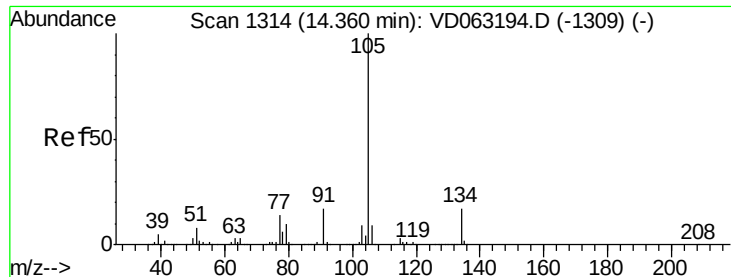
Tot Ion:119 Resp: 2022737
 Ion Ratio Lower Upper
 119 100
 91 71.1 39.1 117.5
 134 21.8 10.9 32.6



#84
 1,2,4-Trimethylbenzene
 Concen: 49.228 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD063197.D
 Acq: 29 Jul 2019 14:08

Tgt Ion:105 Resp: 1757830
 Ion Ratio Lower Upper
 105 100
 120 42.3 20.9 62.7





#85

sec-Butylbenzene

Concen: 49.293 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

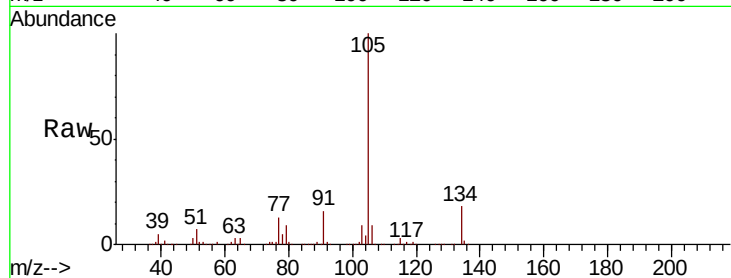
ICVVD072919

Tot Ion:105 Resp: 2047137

Ion Ratio Lower Upper

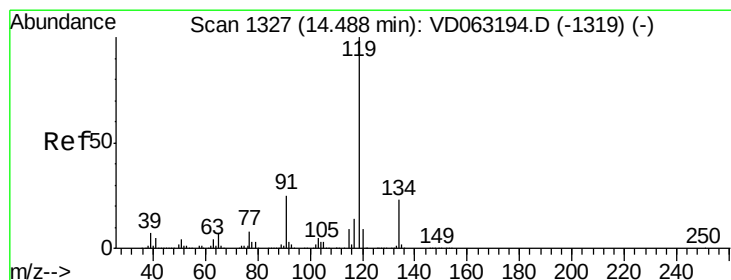
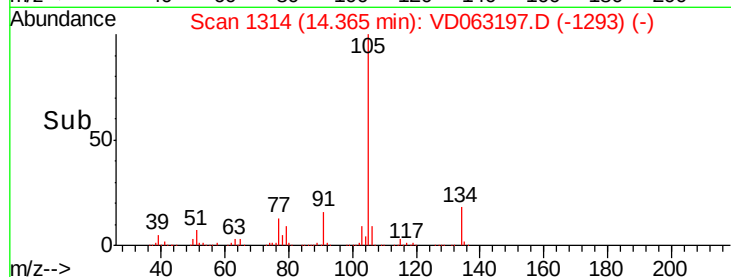
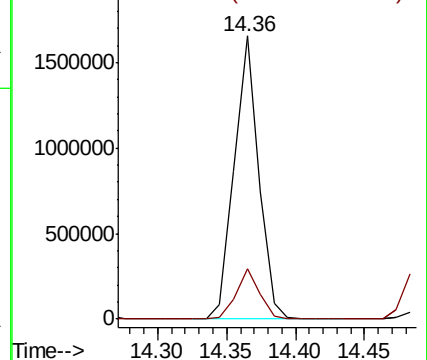
105 100

134 18.0 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: 44.900 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

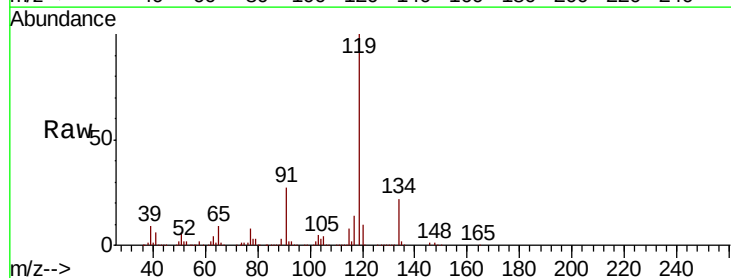
Tgt Ion:119 Resp: 1779772

Ion Ratio Lower Upper

119 100

134 22.1 11.5 34.5

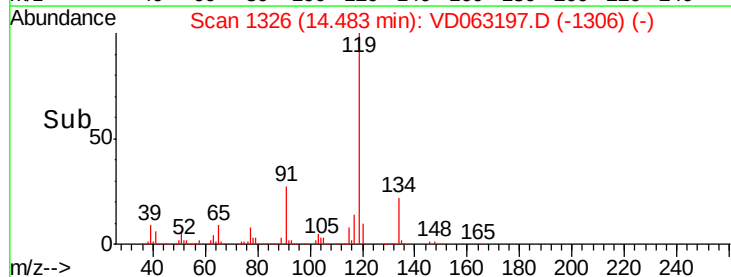
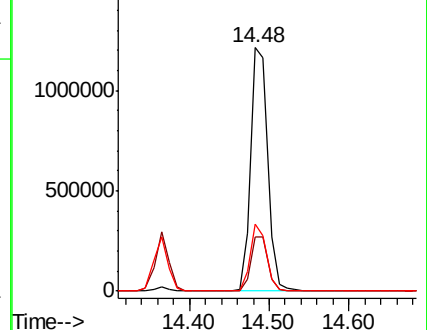
91 27.3 12.6 37.6

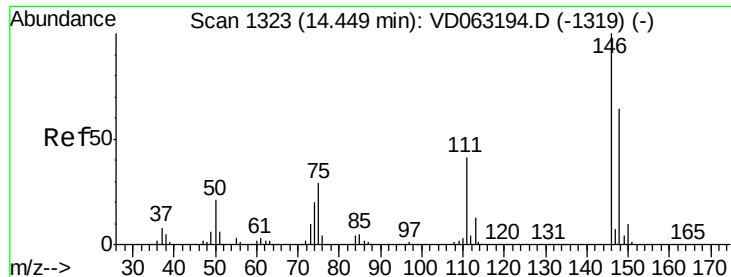


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

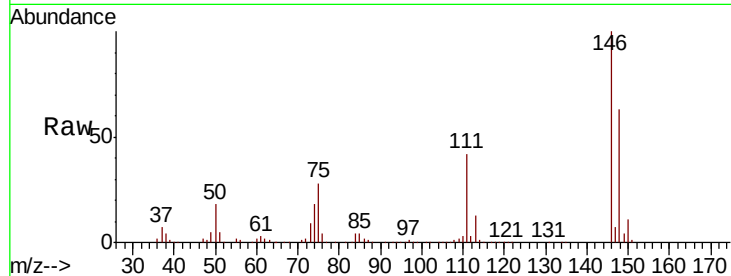




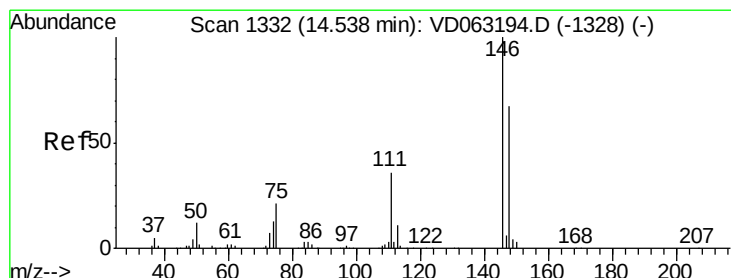
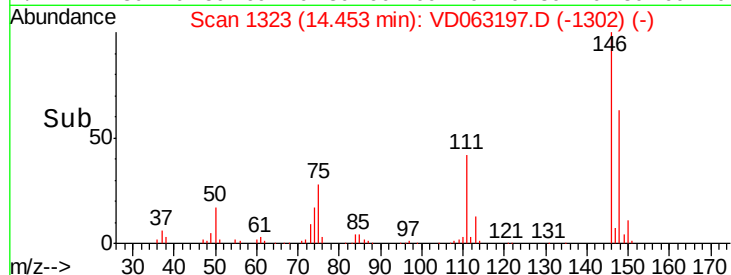
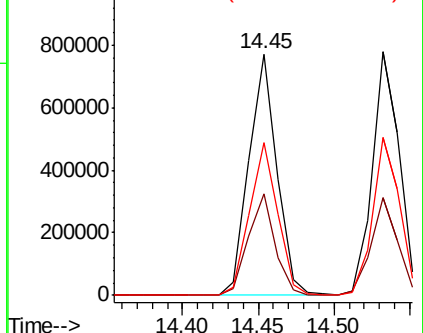
#87
 1,3-Dichlorobenzene
 Concen: 49.163 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD063197.D
 Acq: 29 Jul 2019 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD072919

Tot Ion:146 Resp: 992734
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.4 61.3
 148 63.2 31.8 95.4

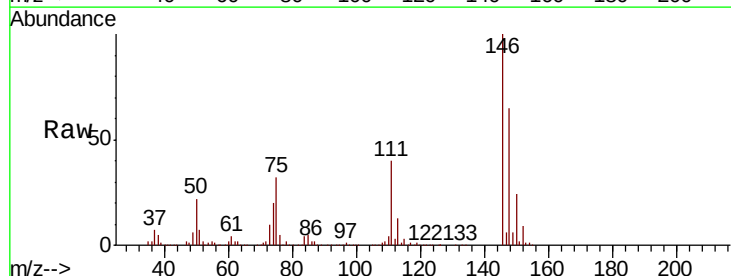


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

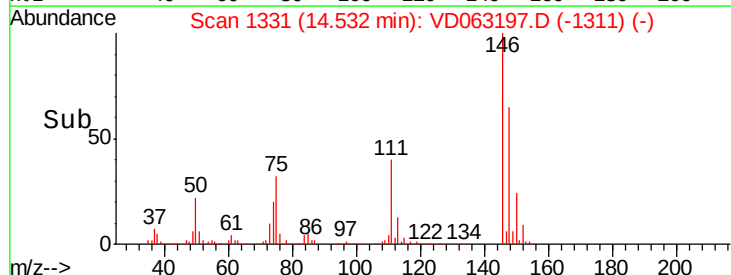
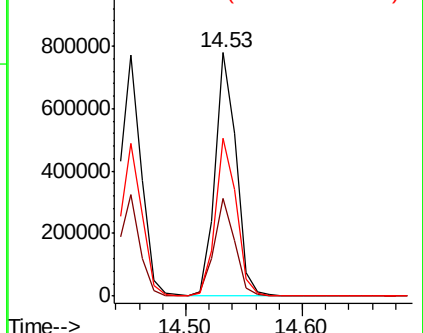


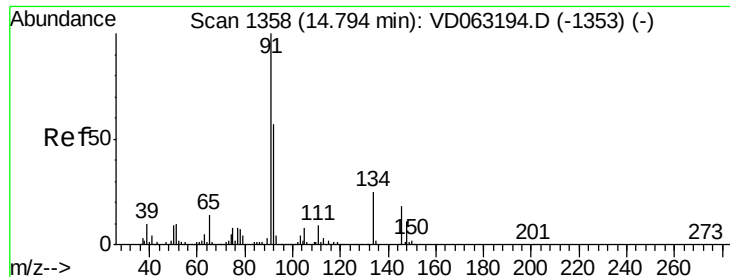
#88
 1,4-Dichlorobenzene
 Concen: 47.762 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD063197.D
 Acq: 29 Jul 2019 14:08

Tgt Ion:146 Resp: 975261
 Ion Ratio Lower Upper
 146 100
 111 40.3 18.1 54.3
 148 64.9 33.4 100.1



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





#89

n-Butylbenzene

Concen: 48.651 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD063197.D

Acq: 29 Jul 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

ICVVD072919

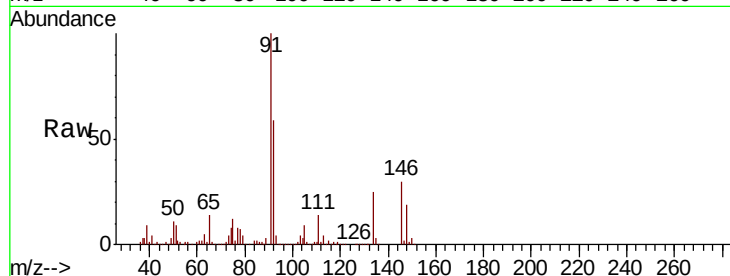
Tot Ion: 91 Resp: 1665587

Ion	Ratio	Lower	Upper
91	100		
92	59.5	28.3	85.0
134	25.2	12.3	36.8

91 100

92 59.5 28.3 85.0

134 25.2 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V

14.80

1500000

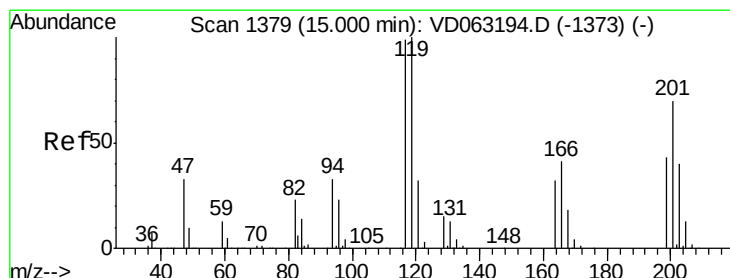
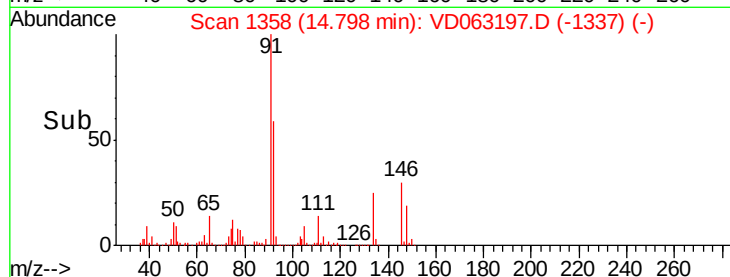
1000000

500000

0

14.70 14.80 14.90

Time-->



#90

Hexachloroethane

Concen: 48.122 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VD063197.D

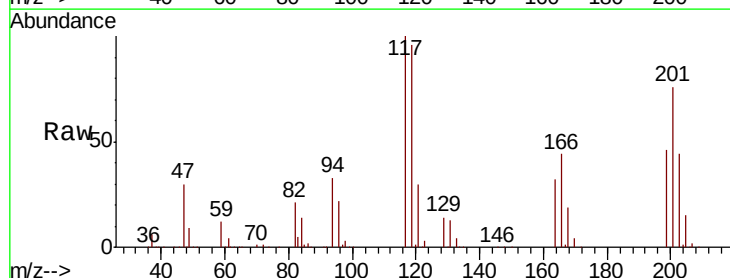
Acq: 29 Jul 2019 14:08

Tgt Ion: 117 Resp: 496966

Ion	Ratio	Lower	Upper
117	100		
201	76.0	35.2	105.6

117 100

201 76.0 35.2 105.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

15.00

400000

300000

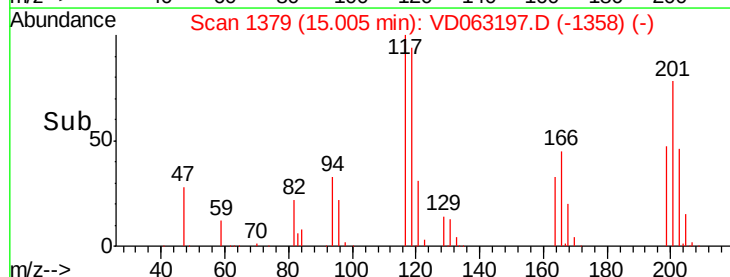
200000

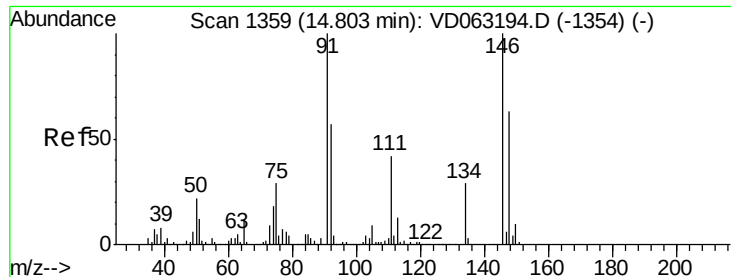
100000

0

14.95 15.00 15.05

Time-->

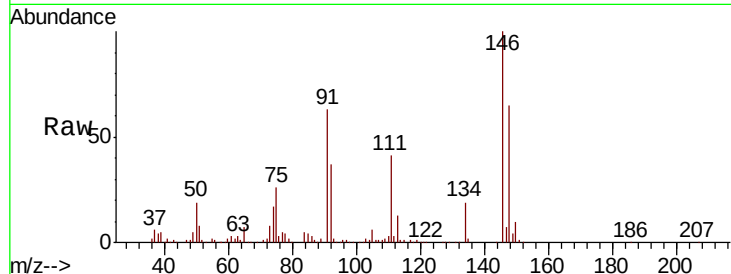




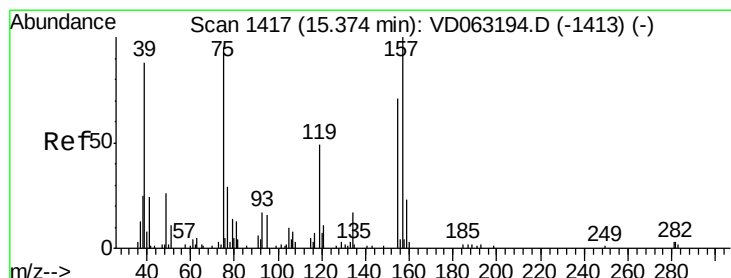
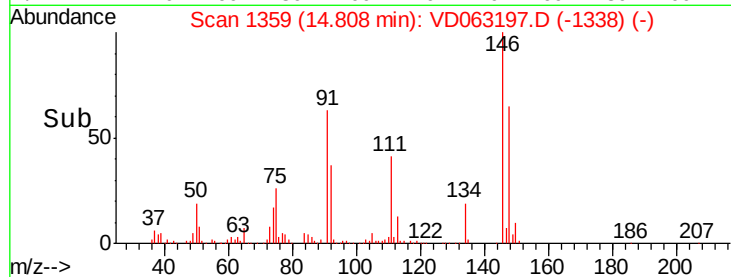
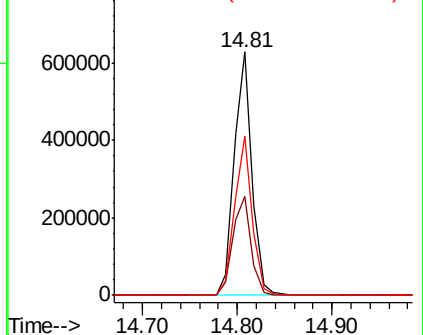
#91
 1,2-Dichlorobenzene
 Concen: 46.416 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD063197.D
 Acq: 29 Jul 2019 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD072919

Tot Ion:146 Resp: 816612
 Ion Ratio Lower Upper
 146 100
 111 40.7 21.1 63.3
 148 65.4 31.6 94.8

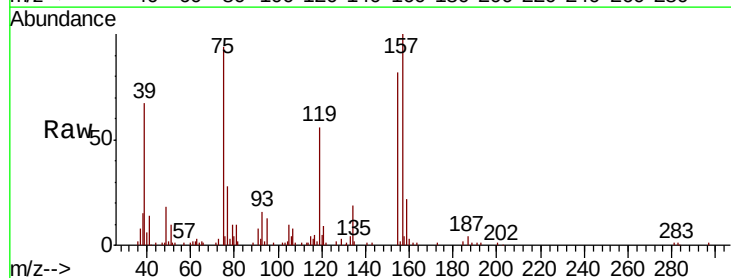


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

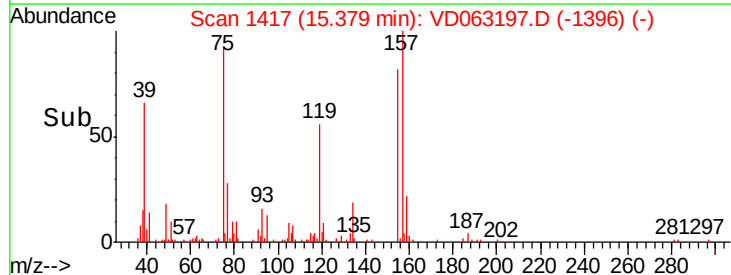
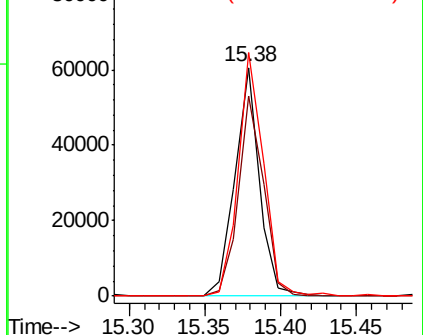


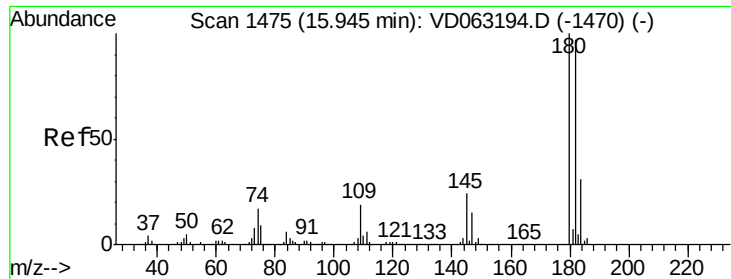
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.788 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD063197.D
 Acq: 29 Jul 2019 14:08

Tgt Ion: 75 Resp: 67568
 Ion Ratio Lower Upper
 75 100
 155 87.7 37.0 111.0
 157 106.5 52.4 157.2



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

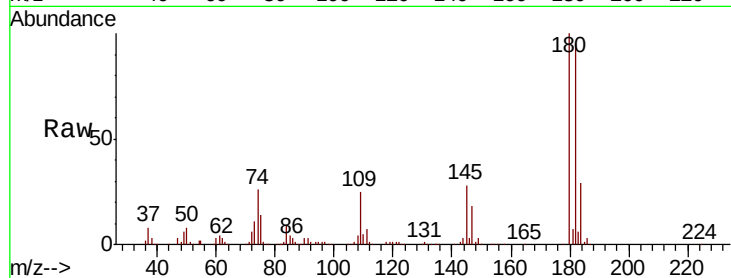




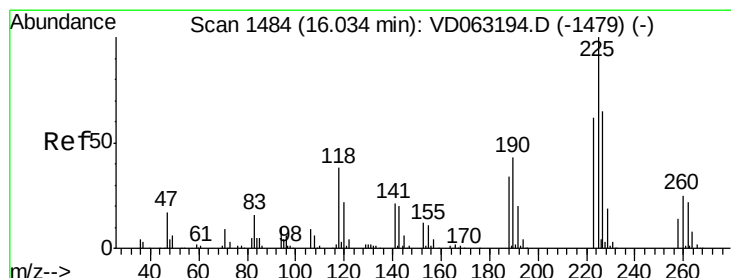
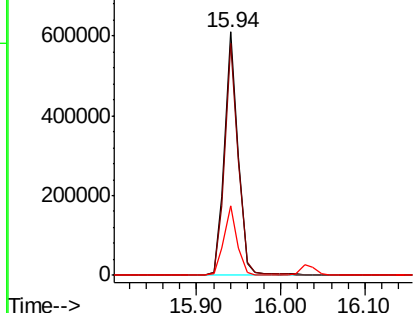
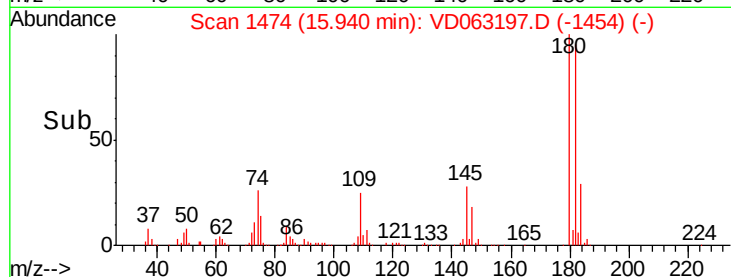
#93
 1,2,4-Trichlorobenzene
 Concen: 49.586 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063197.D
 Acq: 29 Jul 2019 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD072919

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.6	145.8
145	28.4	12.2	36.6

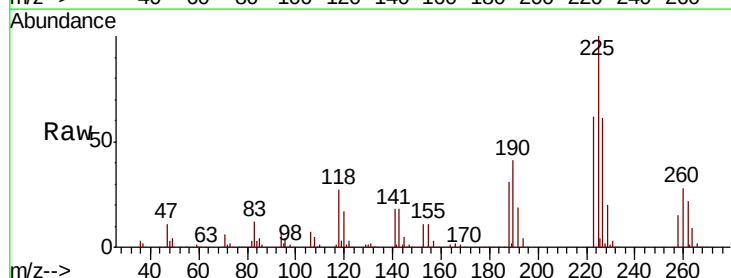


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

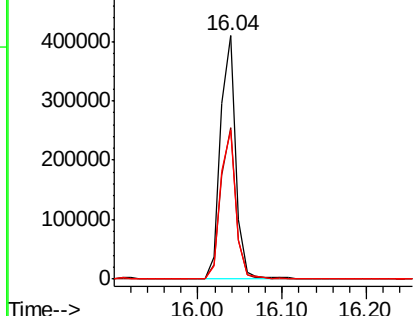
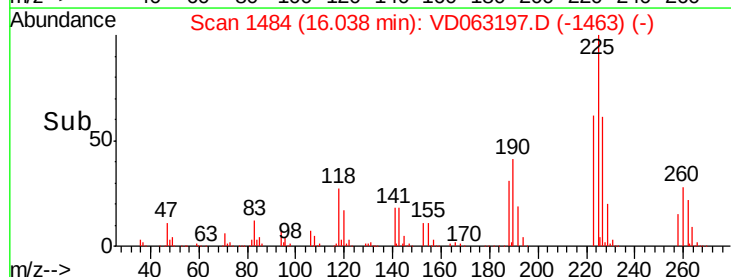


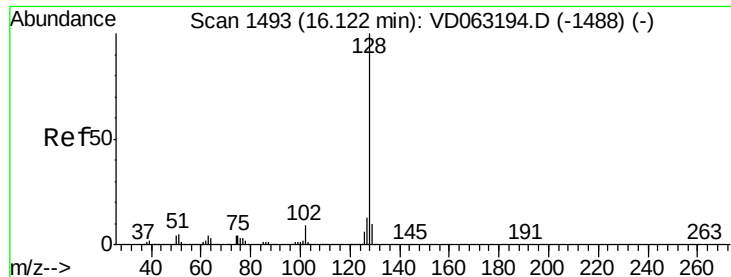
#94
 Hexachlorobutadiene
 Concen: 50.979 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063197.D
 Acq: 29 Jul 2019 14:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	30.9	92.5
227	60.9	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

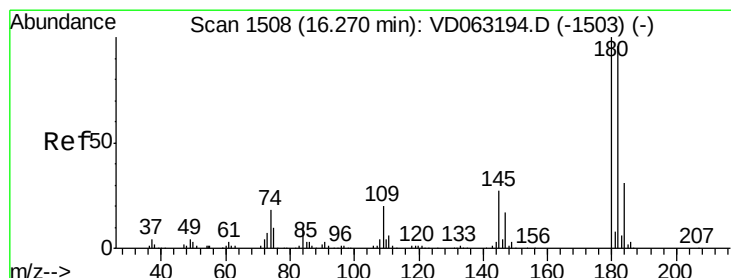
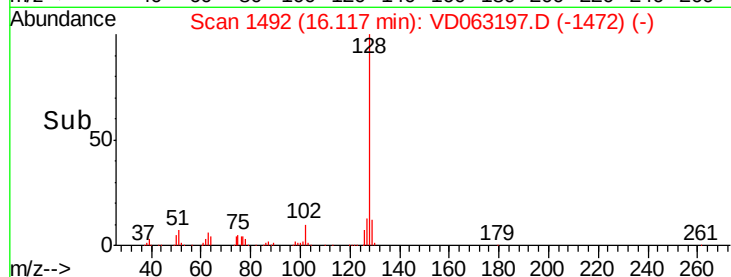
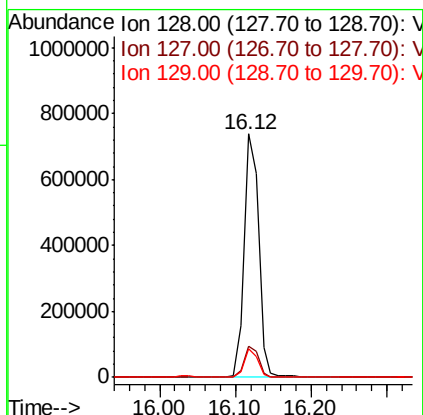
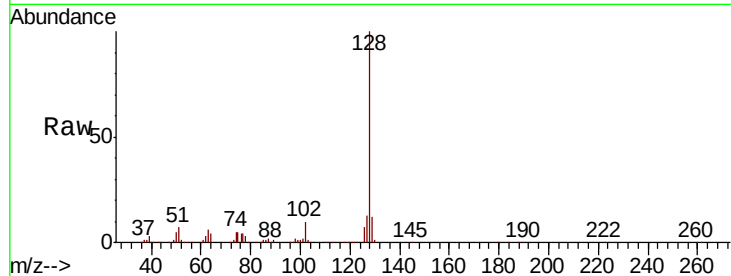




#95
Naphthalene
Concen: 49.420 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD063197.D
Acq: 29 Jul 2019 14:08

Instrument :
MSVOA_D
ClientSampleId :
ICVVD072919

Tot Ion:128 Resp: 974890
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 11.5 7.8 11.8



#96
1,2,3-Trichlorobenzene
Concen: 48.850 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD063197.D
Acq: 29 Jul 2019 14:08

Tgt Ion:180 Resp: 538609
Ion Ratio Lower Upper
180 100
182 96.4 48.3 144.9
145 33.0 13.6 40.7

