

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080919\
 Data File : VD063476.D
 Acq On : 9 Aug 2019 16:26
 Operator : JC/SY
 Sample : VSTDICV050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD080919

Quant Time: Aug 10 06:48:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	1215033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1799660	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1469691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	745964	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	676156	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	
35) Dibromofluoromethane	6.94	113	758528	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
50) Toluene-d8	10.43	98	1746913	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
62) 4-Bromofluorobenzene	13.57	95	649932	43.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	762964	51.903	ug/l	96
3) Chloromethane	1.75	50	598873	52.144	ug/l	95
4) Vinyl Chloride	1.85	62	655248	57.471	ug/l	96
5) Bromomethane	2.16	94	325898	60.578	ug/l	97
6) Chloroethane	2.27	64	297166	56.996	ug/l	93
7) Trichlorofluoromethane	2.54	101	1222809	54.678	ug/l	94
8) Diethyl Ether	2.87	74	166015	52.578	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.15	101	754709	57.152	ug/l	94
10) Methyl Iodide	3.31	142	1021221	54.657	ug/l	98
11) Tert butyl alcohol	4.09	59	150196	265.653	ug/l	97
12) 1,1-Dichloroethene	3.13	96	553855	56.412	ug/l	93
13) Acrolein	3.04	56	133945	240.685	ug/l	91
14) Allyl chloride	3.62	41	798191	54.081	ug/l	99
15) Acrylonitrile	4.21	53	426953	285.098	ug/l	89
16) Acetone	3.23	43	789728	299.122	ug/l	95
17) Carbon Disulfide	3.38	76	1702508	54.945	ug/l	98
18) Methyl Acetate	3.65	43	241226	48.237	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	1129111	57.505	ug/l	98
20) Methylene Chloride	3.82	84	542697	47.537	ug/l	88
21) trans-1,2-Dichloroethene	4.22	96	589930	57.099	ug/l	93
22) Diisopropyl ether	5.14	45	1678358	55.107	ug/l	98
23) Vinyl Acetate	5.07	43	4918416	277.785	ug/l	99
24) 1,1-Dichloroethane	5.00	63	1055059	55.853	ug/l	100
25) 2-Butanone	6.08	43	724007	277.662	ug/l	98
26) 2,2-Dichloropropane	6.04	77	1069824	56.860	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	618589	54.724	ug/l	95
28) Bromochloromethane	6.45	49	398962	52.112	ug/l	95
29) Tetrahydrofuran	6.48	42	325325	267.749	ug/l	98
30) Chloroform	6.67	83	1204119	51.283	ug/l	97
31) Cyclohexane	6.97	56	700662	59.748	ug/l	92
32) 1,1,1-Trichloroethane	6.88	97	1198597	53.365	ug/l	97
36) 1,1-Dichloropropene	7.16	75	871451	54.776	ug/l	96
37) Ethyl Acetate	6.20	43	342572	51.387	ug/l	98
38) Carbon Tetrachloride	7.13	117	1336679	55.748	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	698834	51.657	ug/l	97
40) Benzene	7.46	78	1786528	51.028	ug/l	98
41) Methacrylonitrile	6.46	41	436022	51.945	ug/l #	93
42) 1,2-Dichloroethane	7.59	62	868745	49.348	ug/l	99
43) Isopropyl Acetate	9.25	43	478293	53.569	ug/l	99
44) Trichloroethene	8.56	130	678624	50.712	ug/l	94
45) 1,2-Dichloropropane	8.95	63	455124	55.821	ug/l	100
46) Dibromomethane	9.08	93	365748	52.530	ug/l	96
47) Bromodichloromethane	9.39	83	903500	50.588	ug/l	100
48) Methyl methacrylate	9.13	41	293337	48.444	ug/l	95
49) 1,4-Dioxane	9.10	88	52487	971.414	ug/l #	92
51) 4-Methyl-2-Pentanone	10.32	43	1569742	256.930	ug/l	100
52) Toluene	10.52	92	1157566	51.332	ug/l	94
53) t-1,3-Dichloropropene	10.93	75	753267	51.680	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	850148	51.728	ug/l	94
55) 1,1,2-Trichloroethane	11.20	97	384549	50.483	ug/l	98
56) Ethyl methacrylate	11.06	69	404857	48.967	ug/l	94
57) 1,3-Dichloropropane	11.42	76	613441	53.276	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	1072146	245.629	ug/l	100
59) 2-Hexanone	11.55	43	1200181	269.976	ug/l	97
60) Dibromochloromethane	11.70	129	732023	52.811	ug/l	97
61) 1,2-Dibromoethane	11.81	107	470077	50.976	ug/l	99
64) Tetrachloroethene	11.27	164	635683	56.029	ug/l	95
65) Chlorobenzene	12.40	112	1516993	55.072	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	624794	51.539	ug/l	93
67) Ethyl Benzene	12.53	91	2372937	49.545	ug/l	99
68) m/p-Xylenes	12.68	106	1819755	108.145	ug/l	99
69) o-Xylene	13.05	106	827870	51.118	ug/l	99
70) Styrene	13.08	104	1409103	48.913	ug/l	96
71) Bromoform	13.24	173	453679	54.578	ug/l	99
73) Isopropylbenzene	13.41	105	2464382	51.939	ug/l	97
74) N-amyl acetate	13.27	43	650054	54.577	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	430136	54.618	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	472398	55.179	ug/l	99
77) Bromobenzene	13.67	156	698873	53.894	ug/l	96
78) n-propylbenzene	13.78	91	2878253	51.846	ug/l	98
79) 2-Chlorotoluene	13.85	91	1661128	51.896	ug/l	91
80) 1,3,5-Trimethylbenzene	13.94	105	2126639	51.298	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	125551	54.563	ug/l	99
82) 4-Chlorotoluene	13.95	91	2074570	53.898	ug/l	96
83) tert-Butylbenzene	14.20	119	2206602	50.546	ug/l	97
84) 1,2,4-Trimethylbenzene	14.25	105	2133885	55.630	ug/l	98
85) sec-Butylbenzene	14.37	105	2568117	55.394	ug/l	99
86) p-Isopropyltoluene	14.50	119	2264562	51.087	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	1264790	53.922	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	1200176	53.332	ug/l	98
89) n-Butylbenzene	14.81	91	2164838	53.509	ug/l	97
90) Hexachloroethane	15.01	117	651338	58.459	ug/l	96
91) 1,2-Dichlorobenzene	14.82	146	1055650	53.046	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	78329	52.822	ug/l	88

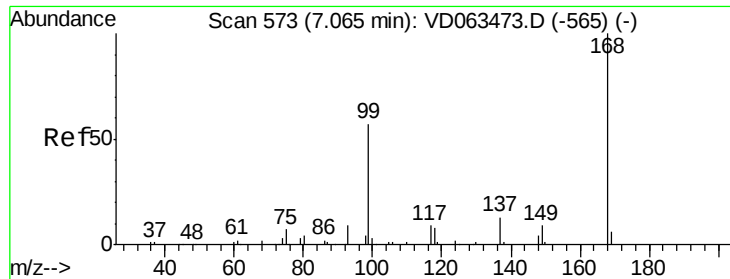
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080919\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	857125	58.533	ug/l	97
94) Hexachlorobutadiene	16.05	225	626785	56.162	ug/l	98
95) Naphthalene	16.13	128	1191151	53.675	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	619211	52.355	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.01 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

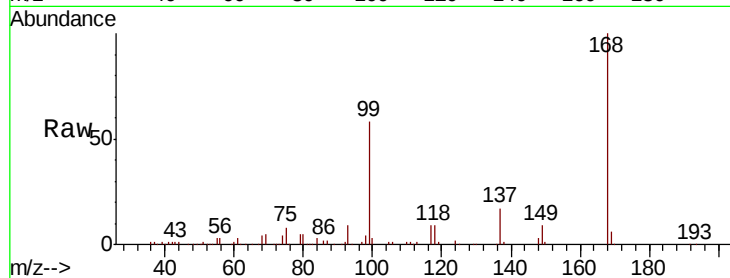
ICVVD080919

Tgt Ion:168 Resp: 1215033

Ion Ratio Lower Upper

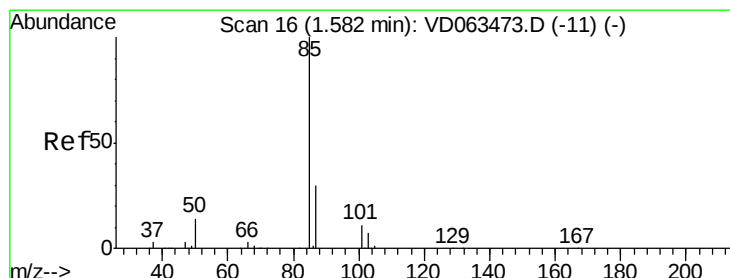
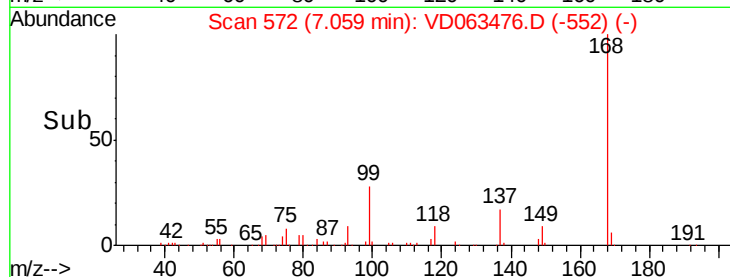
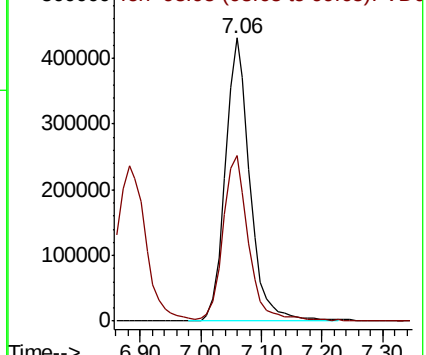
168 100

99 58.4 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 51.903 ug/l

RT: 1.58 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD063476.D

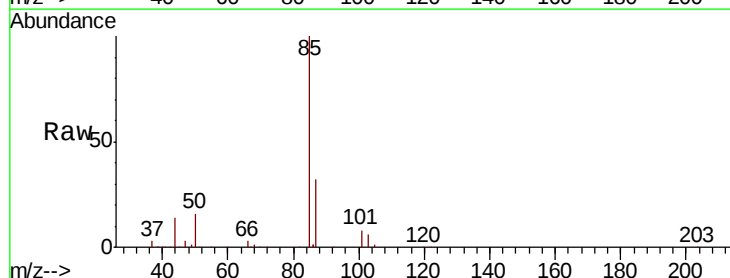
Acq: 9 Aug 2019 16:26

Tgt Ion: 85 Resp: 762964

Ion Ratio Lower Upper

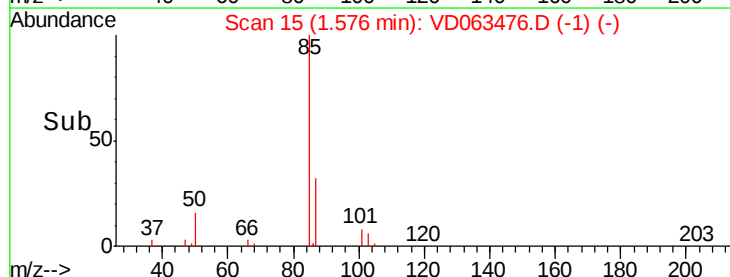
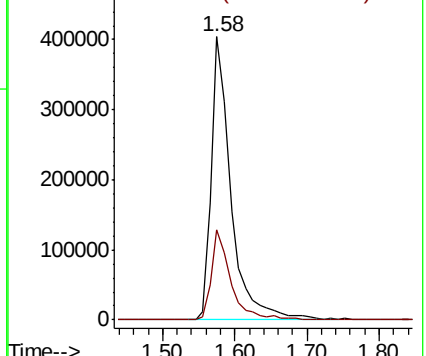
85 100

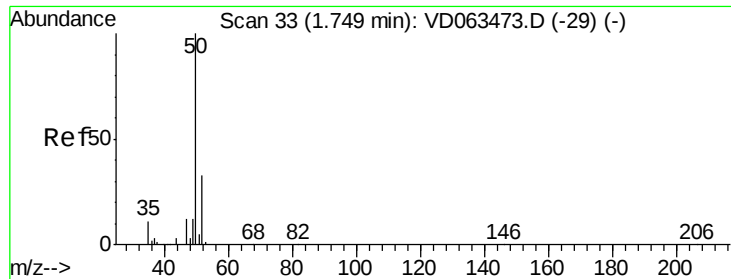
87 32.0 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 52.144 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

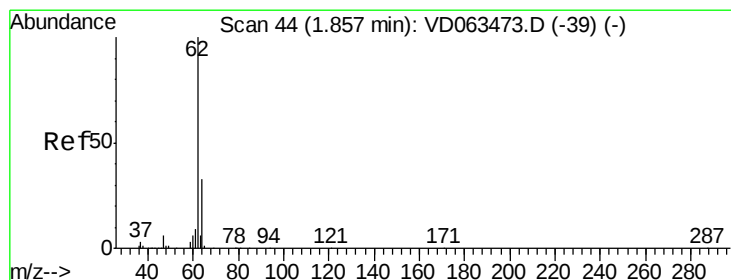
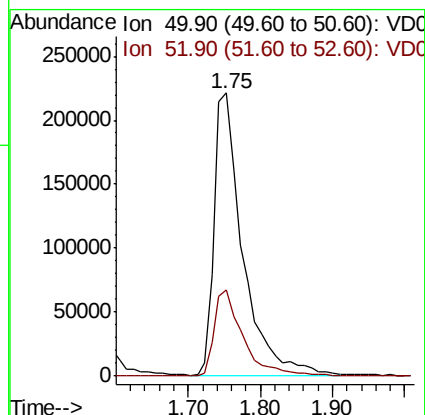
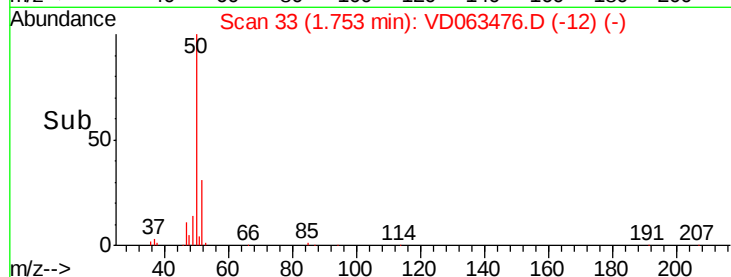
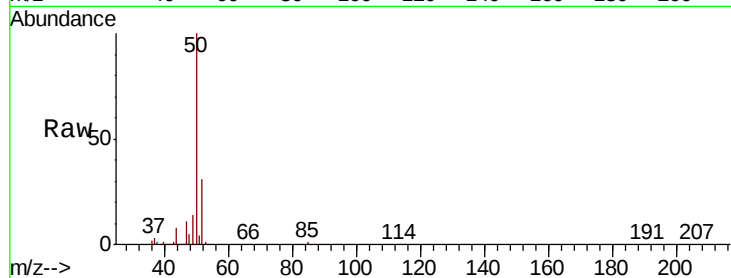
ICVVD080919

Tgt Ion: 50 Resp: 598873

Ion Ratio Lower Upper

50 100

52 30.5 26.6 40.0



#4

Vinyl Chloride

Concen: 57.471 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD063476.D

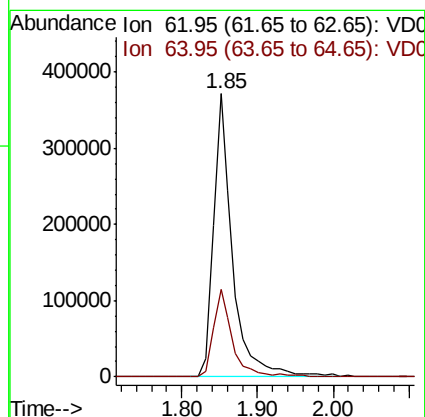
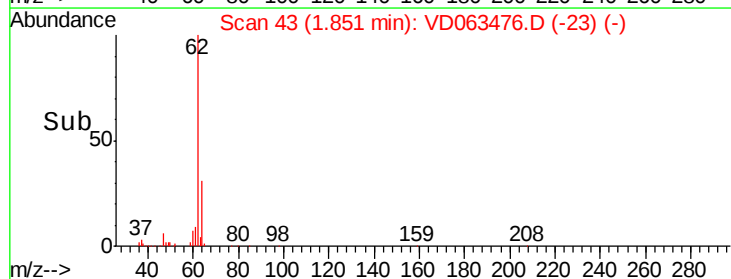
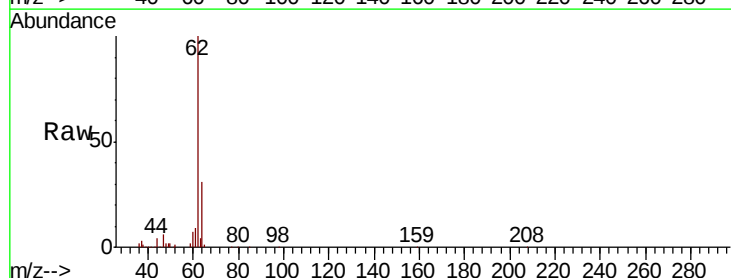
Acq: 9 Aug 2019 16:26

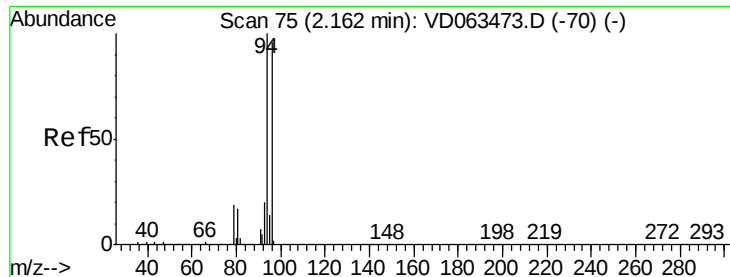
Tgt Ion: 62 Resp: 655248

Ion Ratio Lower Upper

62 100

64 31.0 26.4 39.6





#5

Bromomethane

Concen: 60.578 ug/l

RT: 2.16 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD080919

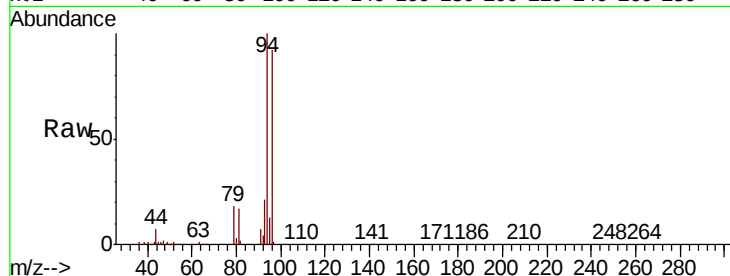
Tgt Ion: 94 Resp: 325898

Ion Ratio Lower Upper

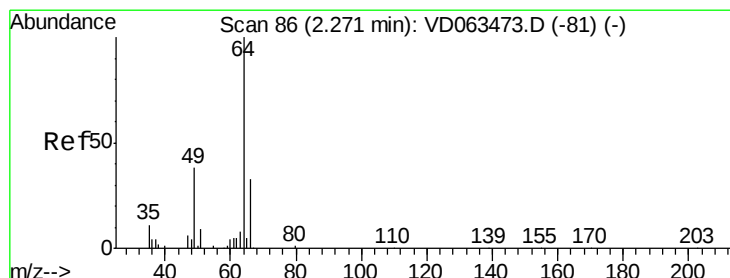
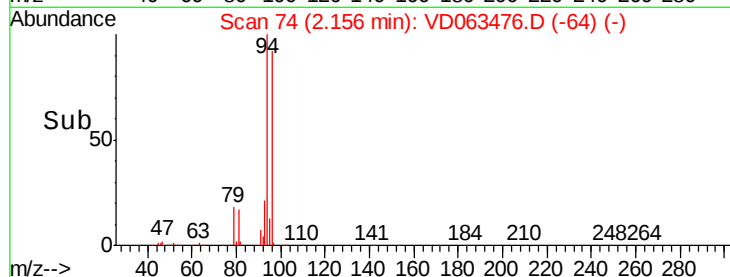
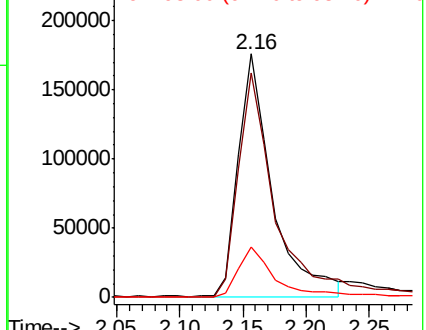
94 100

96 92.1 76.5 114.7

93 20.6 15.8 23.8



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: 56.996 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.00 min

Lab File: VD063476.D

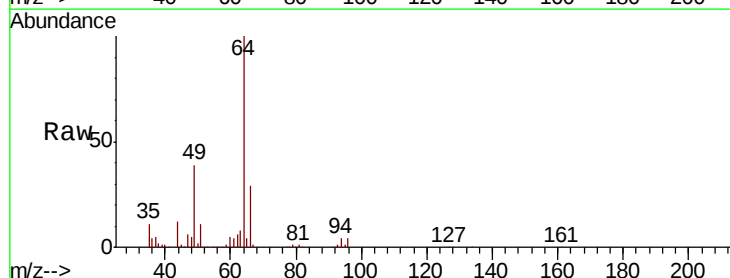
Acq: 9 Aug 2019 16:26

Tgt Ion: 64 Resp: 297166

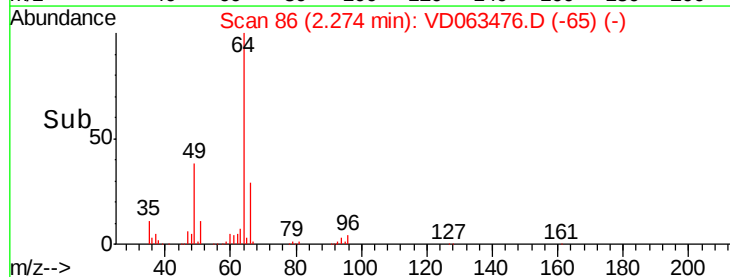
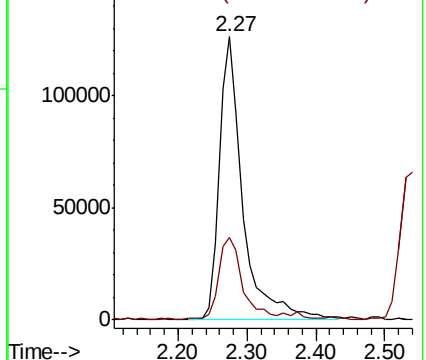
Ion Ratio Lower Upper

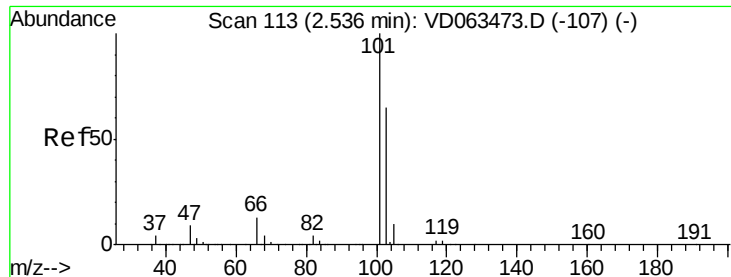
64 100

66 29.1 26.3 39.5



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



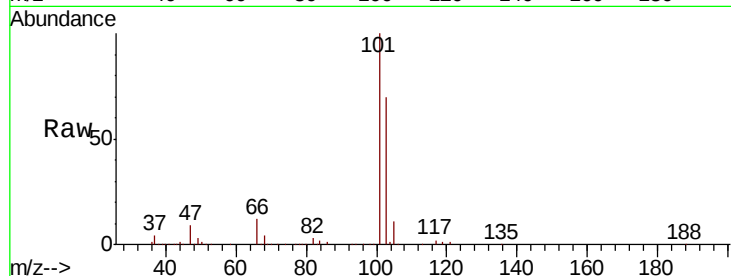


#7

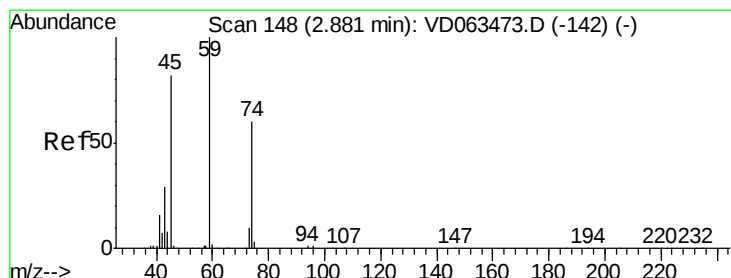
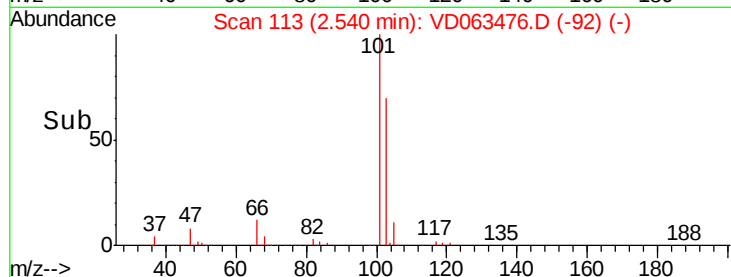
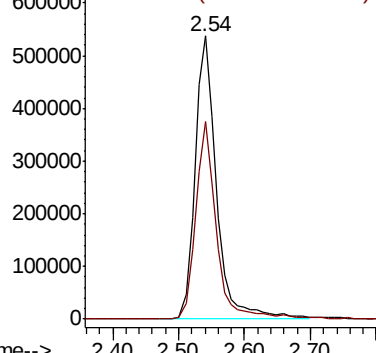
Trichlorofluoromethane
Concen: 54.678 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.00 min
Lab File: VD063476.D
Acq: 9 Aug 2019 16:26

Instrument :
MSVOA_D
ClientSampleId :
ICVVD080919

Tgt Ion: 101 Resp: 1222809
Ion Ratio Lower Upper
101 100
103 69.9 52.2 78.4



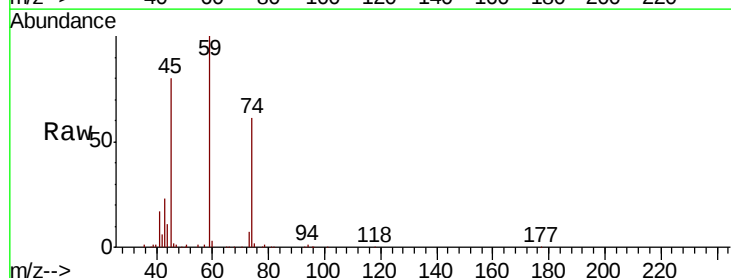
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



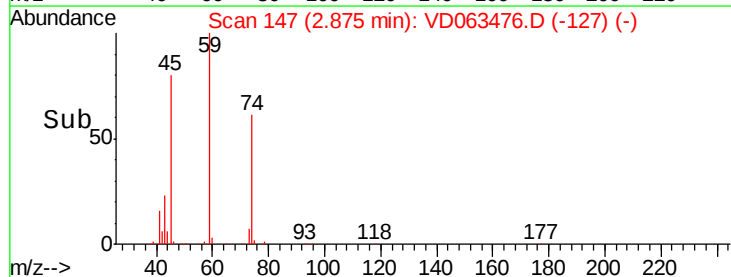
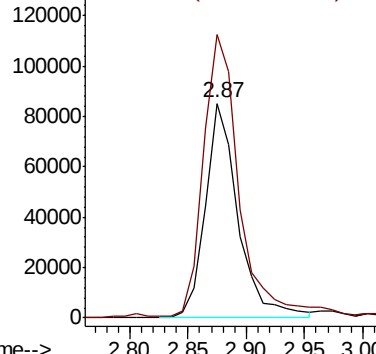
#8

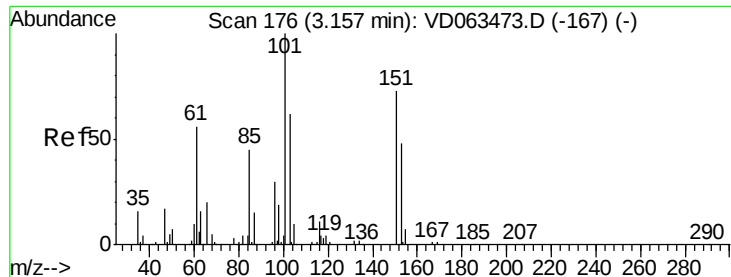
Diethyl Ether
Concen: 52.578 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.01 min
Lab File: VD063476.D
Acq: 9 Aug 2019 16:26

Tgt Ion: 74 Resp: 166015
Ion Ratio Lower Upper
74 100
45 131.7 68.5 205.5



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: 57.152 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

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ICVVD080919

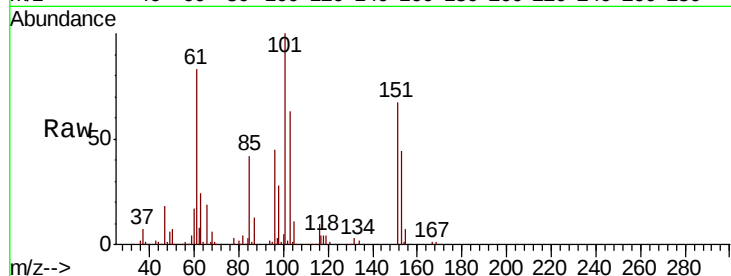
Tgt Ion:101 Resp: 754709

Ion Ratio Lower Upper

101 100

85 42.4 35.8 53.6

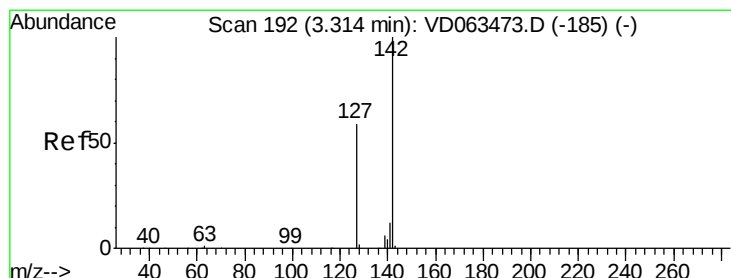
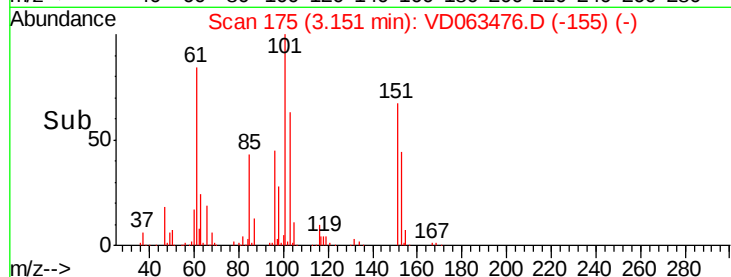
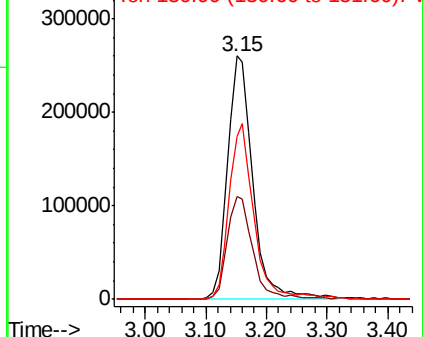
151 67.0 58.6 88.0



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: 54.657 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

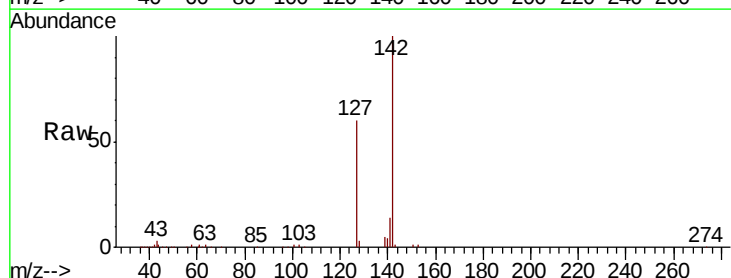
Tgt Ion:142 Resp: 1021221

Ion Ratio Lower Upper

142 100

127 60.0 47.2 70.8

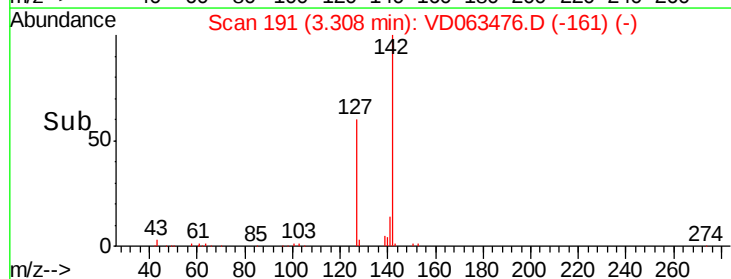
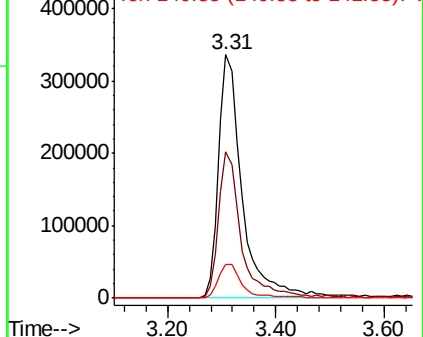
141 14.1 9.8 14.8

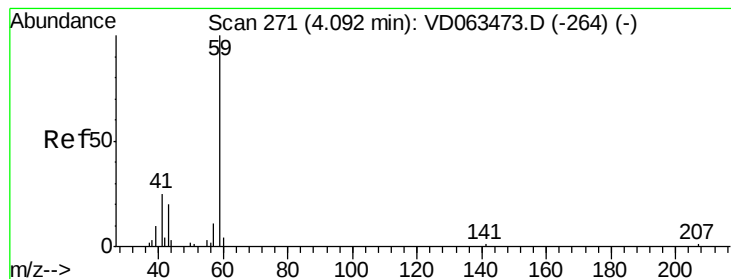


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 265.653 ug/l

RT: 4.09 min Scan# 270

Delta R.T. -0.01 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

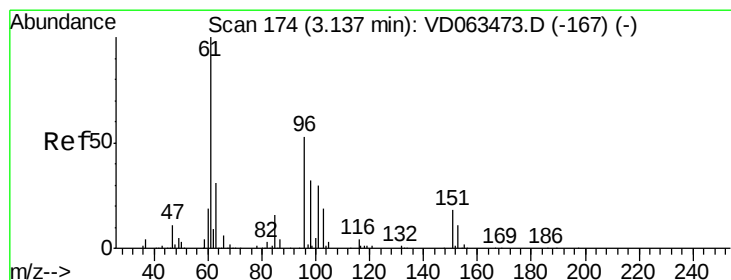
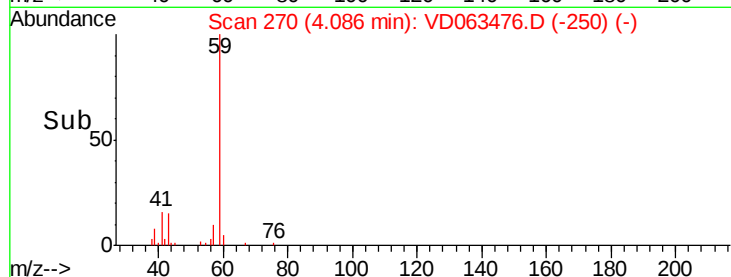
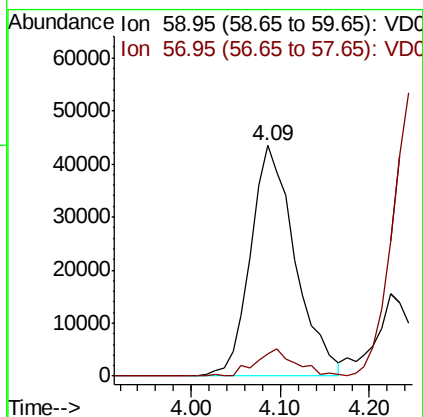
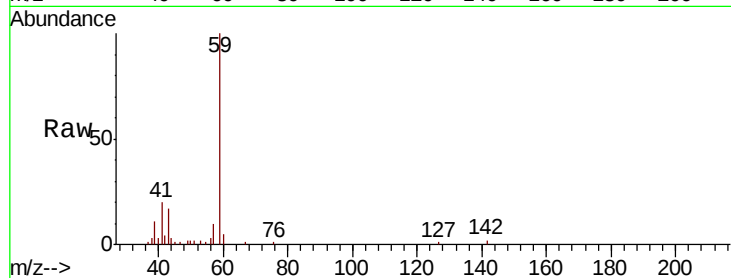
ICVVD080919

Tgt Ion: 59 Resp: 150196

Ion Ratio Lower Upper

59 100

57 9.6 8.7 13.1



#12

1,1-Dichloroethene

Concen: 56.412 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

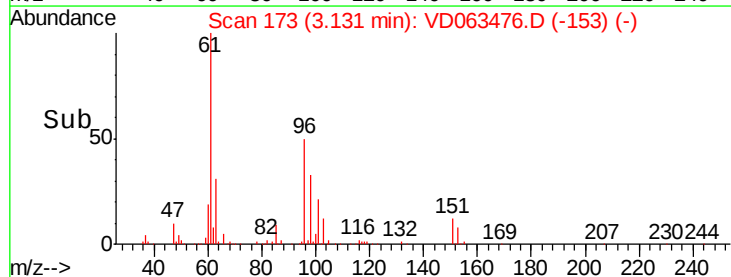
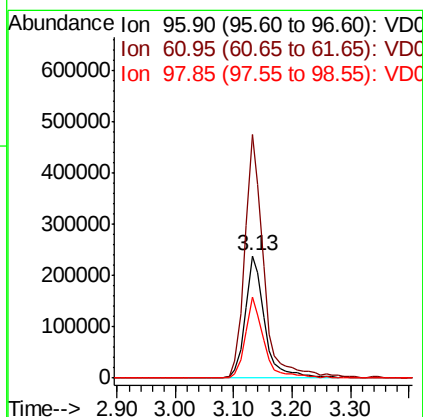
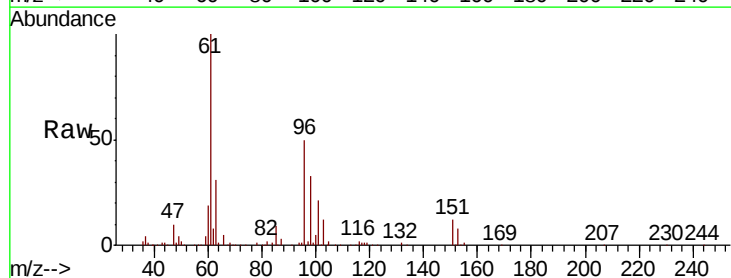
Tgt Ion: 96 Resp: 553855

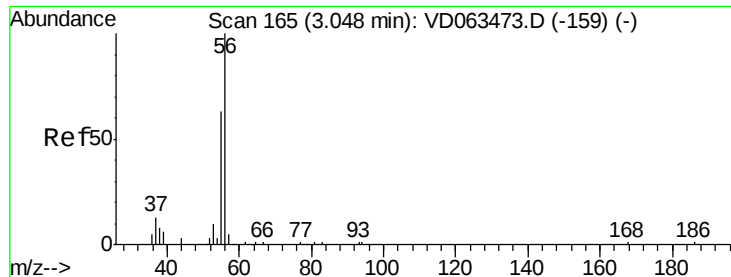
Ion Ratio Lower Upper

96 100

61 199.0 151.7 227.5

98 66.6 48.4 72.6





#13

Acrolein

Concen: 240.685 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

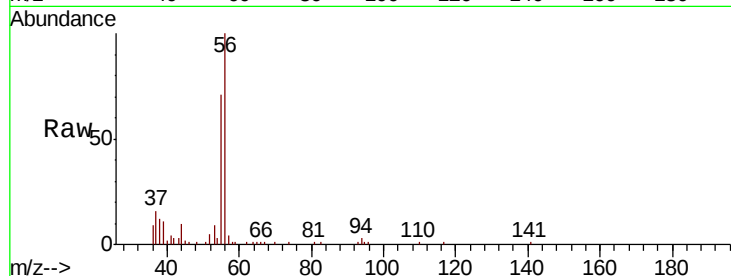
ICVVD080919

Tgt Ion: 56 Resp: 133945

Ion Ratio Lower Upper

56 100

55 71.0 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.04

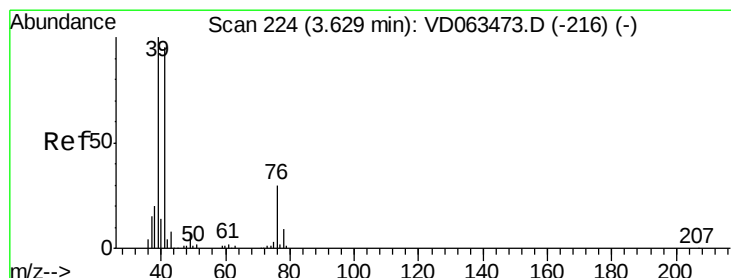
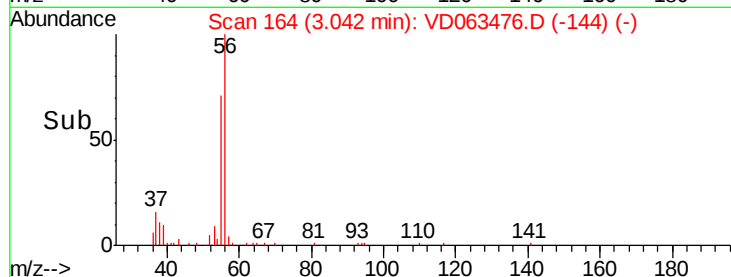
60000

40000

20000

0

Time--> 2.80 3.00 3.20



#14

Allyl chloride

Concen: 54.081 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

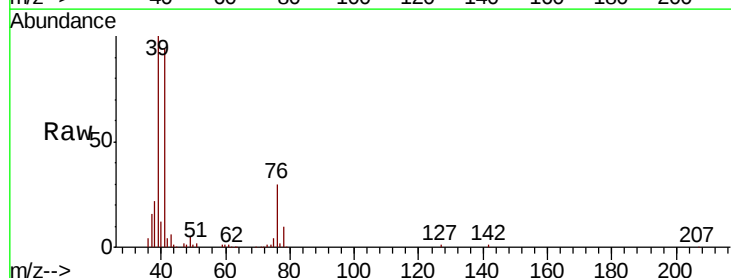
Tgt Ion: 41 Resp: 798191

Ion Ratio Lower Upper

41 100

39 106.4 84.2 126.4

76 32.0 26.0 39.0



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.62

400000

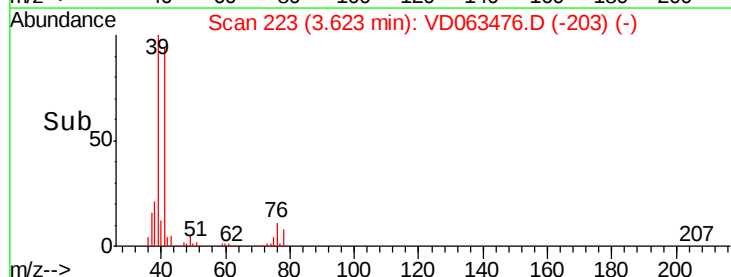
300000

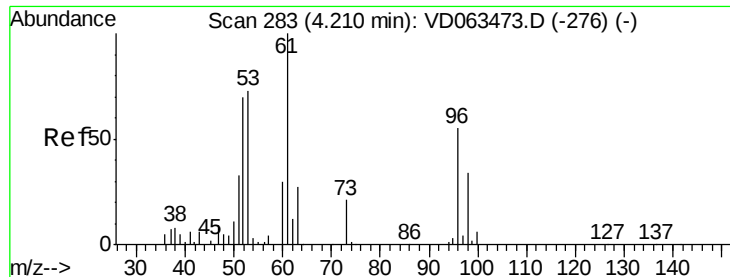
200000

100000

0

Time--> 3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 285.098 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD080919

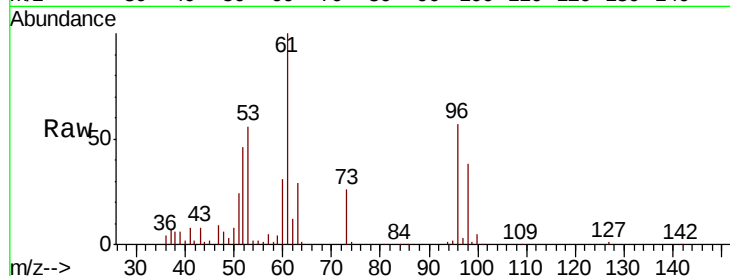
Tgt Ion: 53 Resp: 426953

Ion Ratio Lower Upper

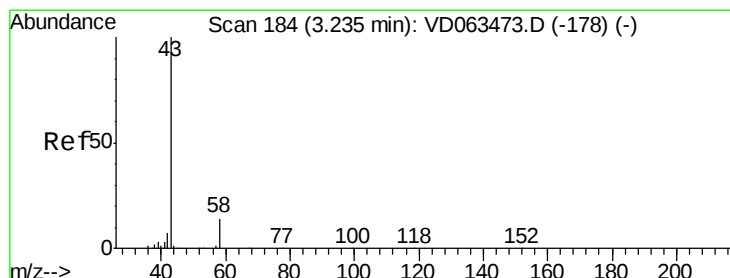
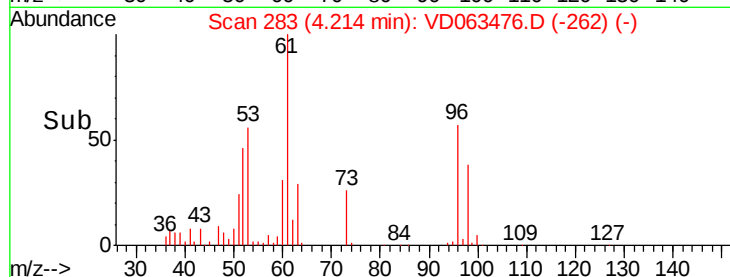
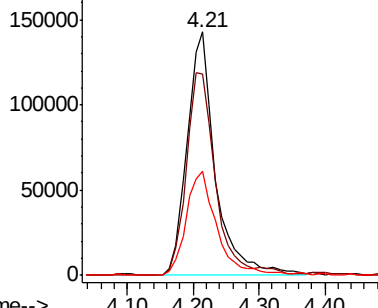
53 100

52 82.5 77.4 116.0

51 42.6 36.7 55.1



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: 299.122 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD063476.D

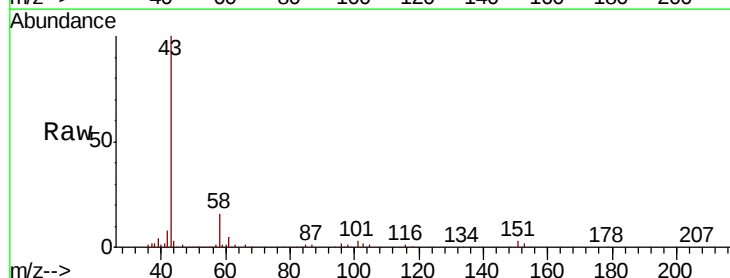
Acq: 9 Aug 2019 16:26

Tgt Ion: 43 Resp: 789728

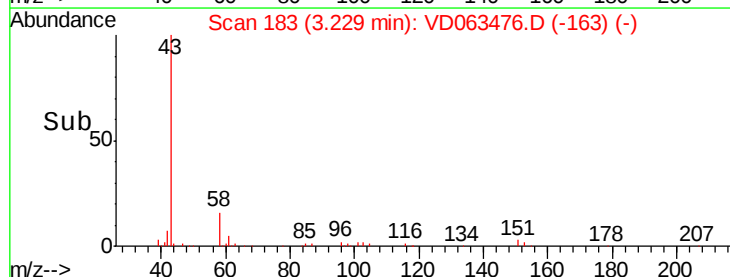
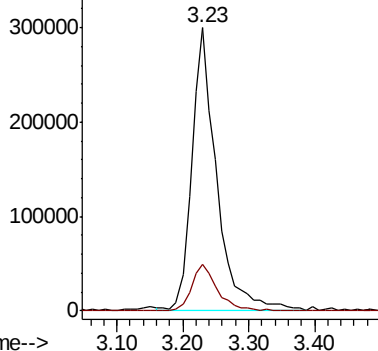
Ion Ratio Lower Upper

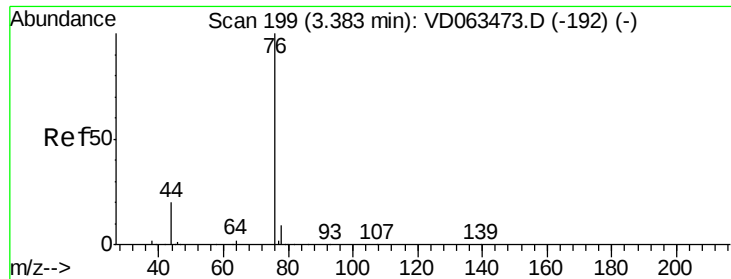
43 100

58 16.4 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

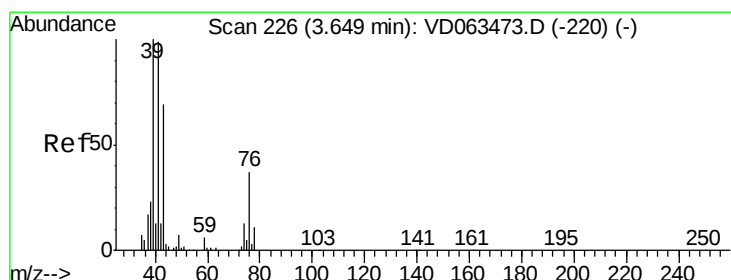
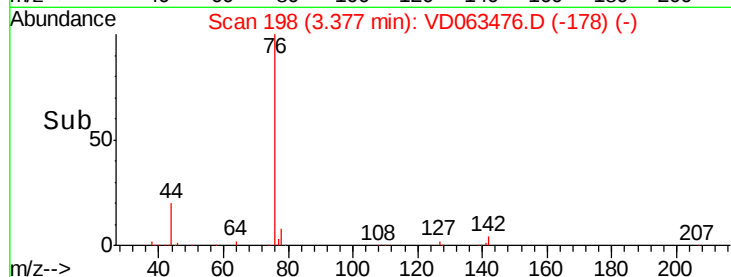
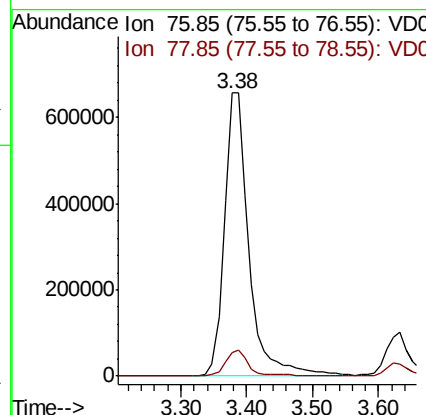
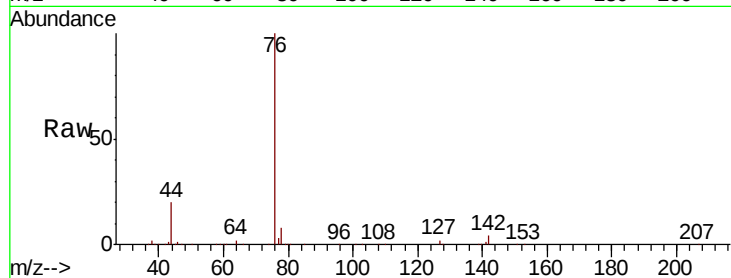




#17
Carbon Disulfide
Concen: 54.945 ug/l
RT: 3.38 min Scan# 198
Delta R.T. -0.01 min
Lab File: VD063476.D
Acq: 9 Aug 2019 16:26

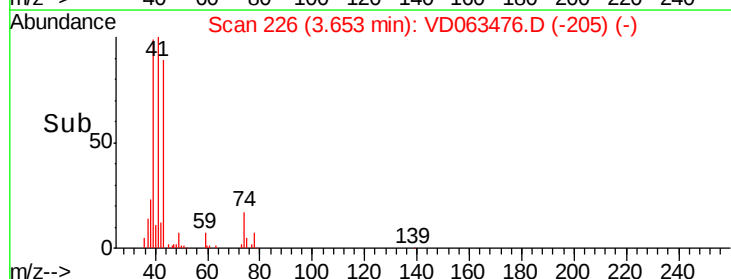
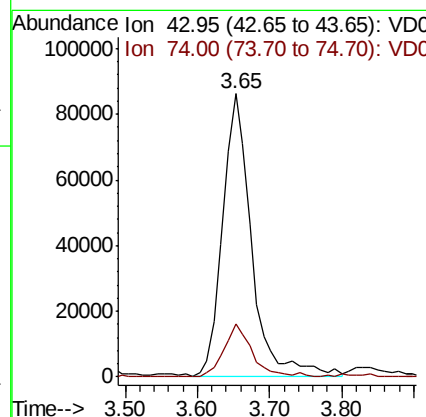
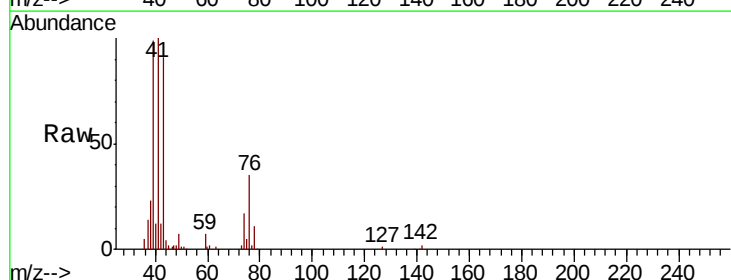
Instrument :
MSVOA_D
ClientSampleId :
ICVVD080919

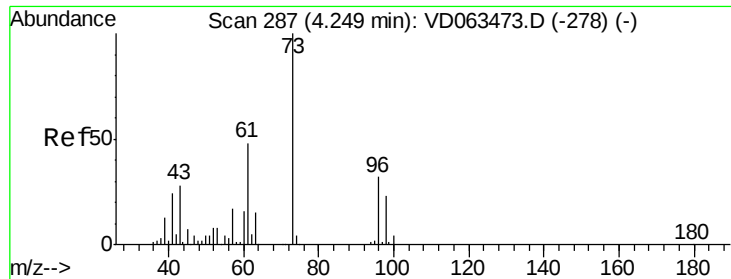
Tgt Ion: 76 Resp: 1702508
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.0



#18
Methyl Acetate
Concen: 48.237 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.00 min
Lab File: VD063476.D
Acq: 9 Aug 2019 16:26

Tgt Ion: 43 Resp: 241226
Ion Ratio Lower Upper
43 100
74 18.5 15.4 23.2



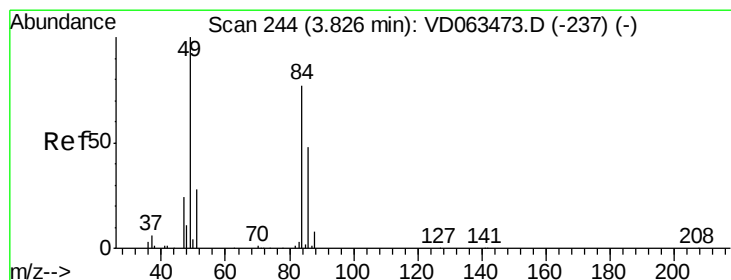
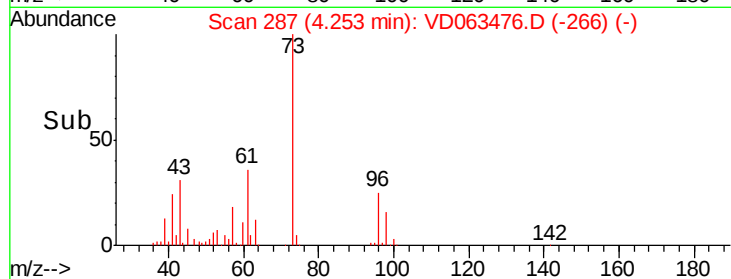
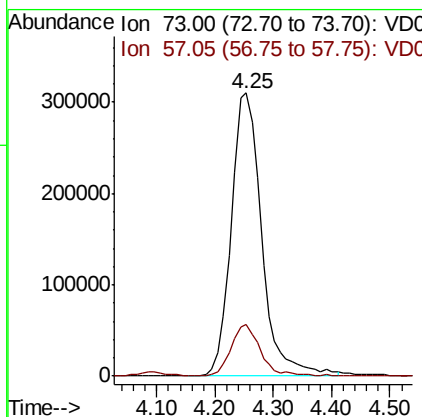
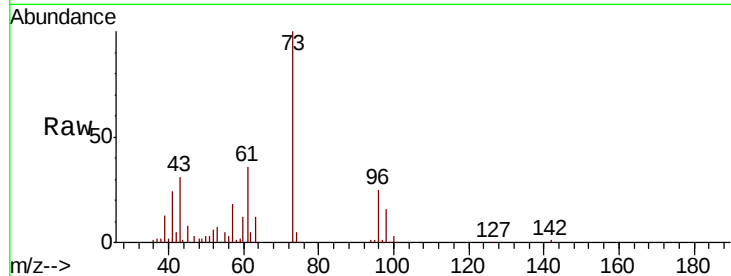


#19

Methyl tert-butyl Ether
 Concen: 57.505 ug/l
 RT: 4.25 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: VD063476.D
 Acq: 9 Aug 2019 16:26

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD080919

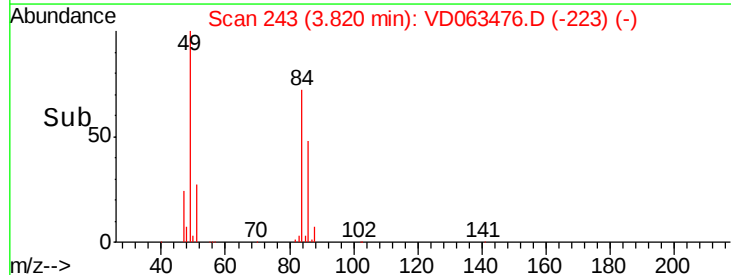
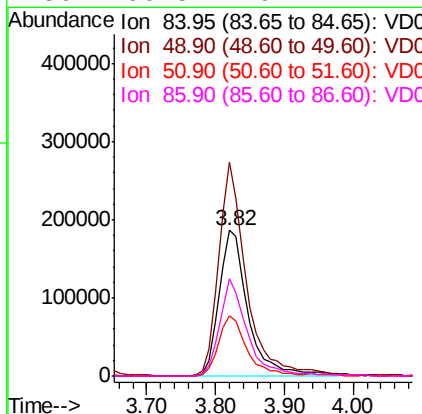
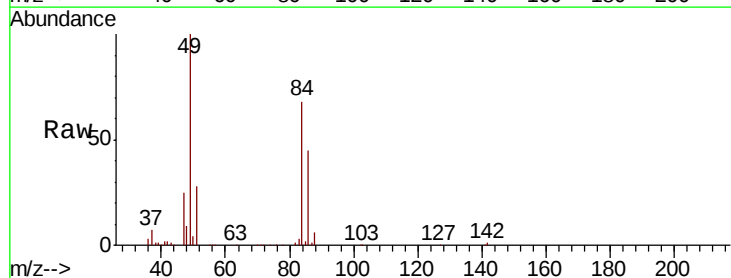
Tgt Ion: 73 Resp: 1129111
 Ion Ratio Lower Upper
 73 100
 57 18.5 14.0 21.0

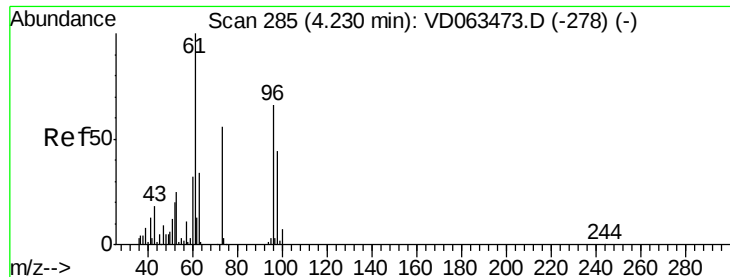


#20

Methylene Chloride
 Concen: 47.537 ug/l
 RT: 3.82 min Scan# 243
 Delta R.T. -0.01 min
 Lab File: VD063476.D
 Acq: 9 Aug 2019 16:26

Tgt Ion: 84 Resp: 542697
 Ion Ratio Lower Upper
 84 100
 49 146.6 103.4 155.2
 51 41.5 28.5 42.7
 86 66.5 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 57.099 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD080919

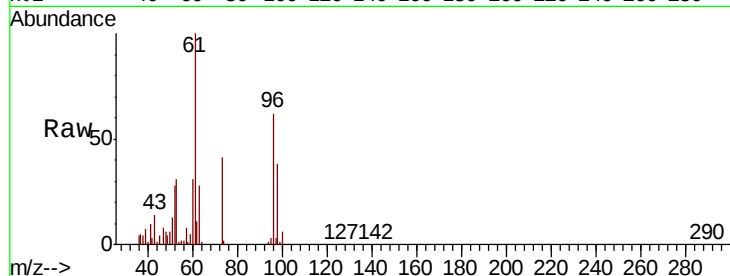
Tgt Ion: 96 Resp: 589930

Ion Ratio Lower Upper

96 100

61 160.4 121.7 182.5

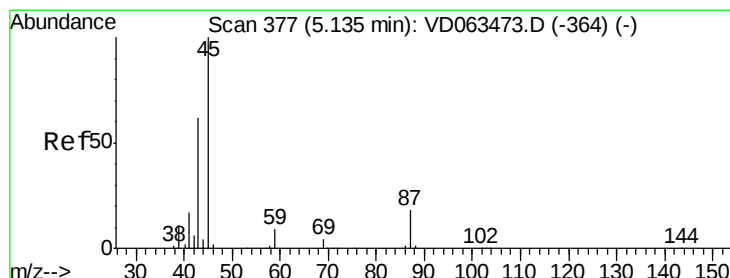
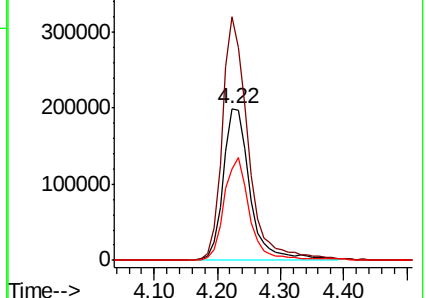
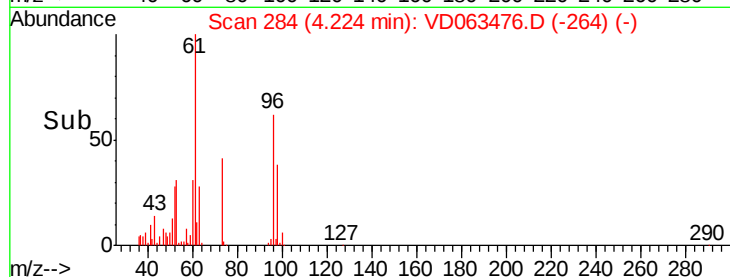
98 60.2 54.2 81.2



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: 55.107 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.00 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

Tgt Ion: 45 Resp: 1678358

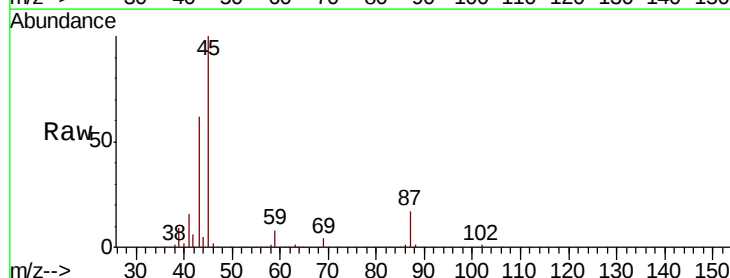
Ion Ratio Lower Upper

45 100

43 61.6 50.3 75.5

87 17.3 14.3 21.5

59 8.2 7.7 11.5

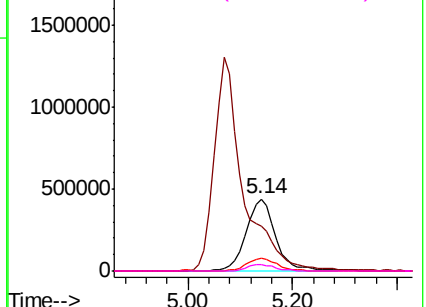
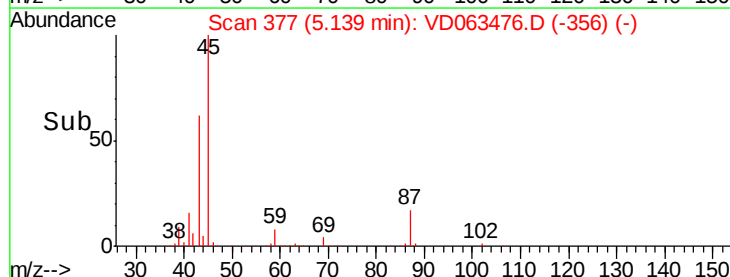


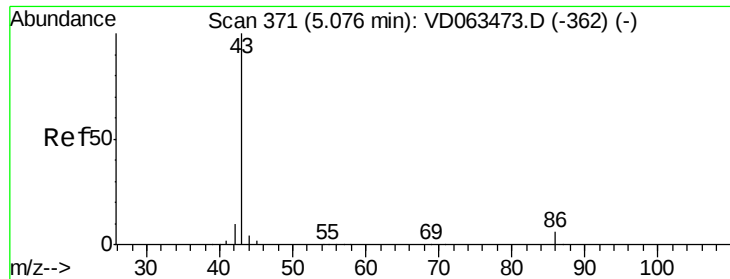
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 277.785 ug/l

RT: 5.07 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

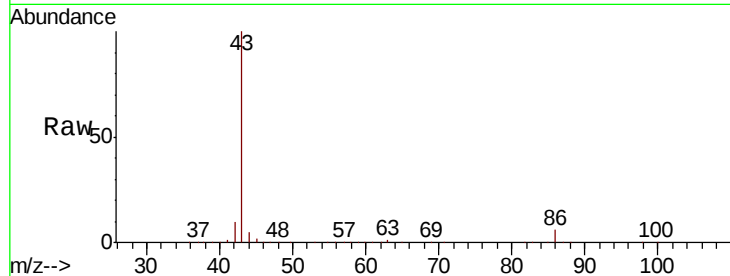
ICVVD080919

Tgt Ion: 43 Resp: 4918416

Ion Ratio Lower Upper

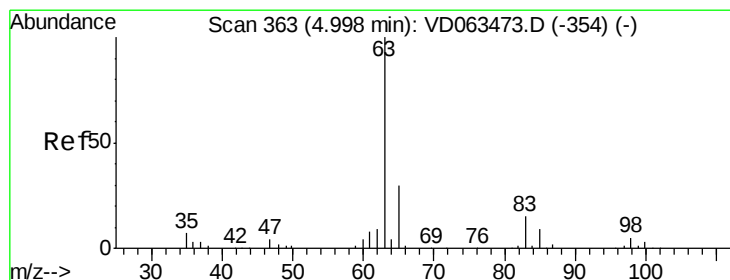
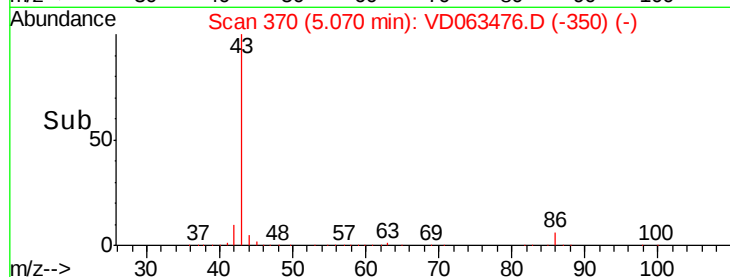
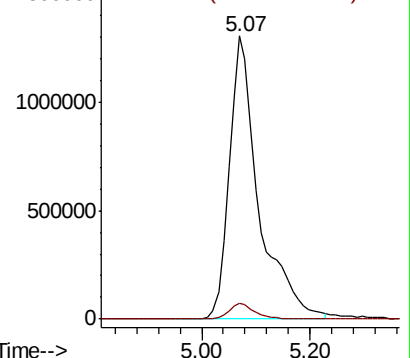
43 100

86 5.5 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 55.853 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.00 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

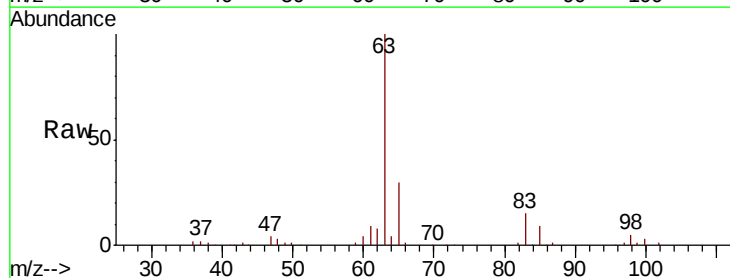
Tgt Ion: 63 Resp: 1055059

Ion Ratio Lower Upper

63 100

98 4.7 2.4 7.2

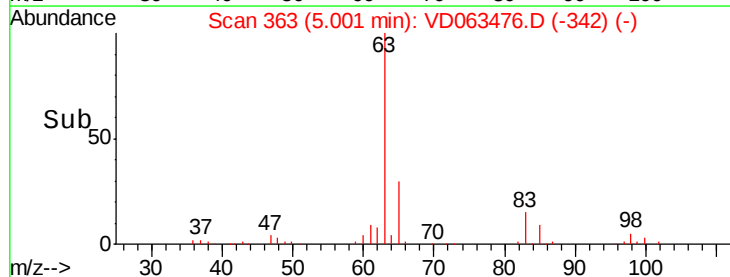
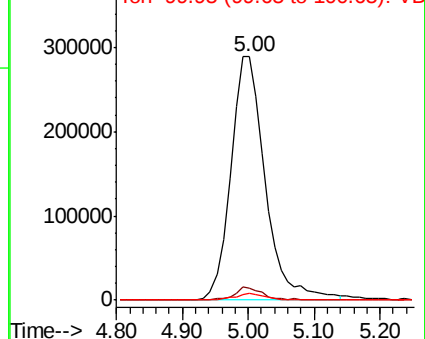
100 2.8 1.3 3.8

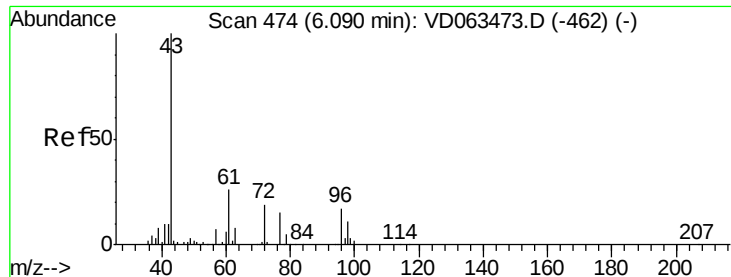


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 277.662 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

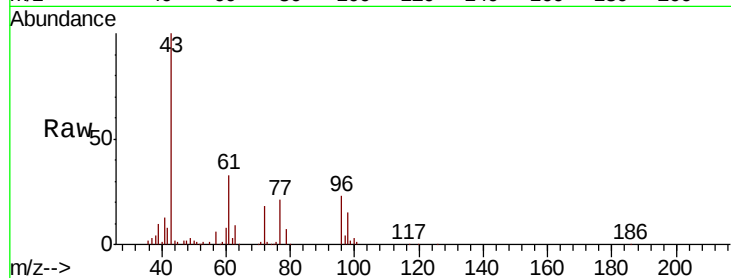
ICVVD080919

Tgt Ion: 43 Resp: 724007

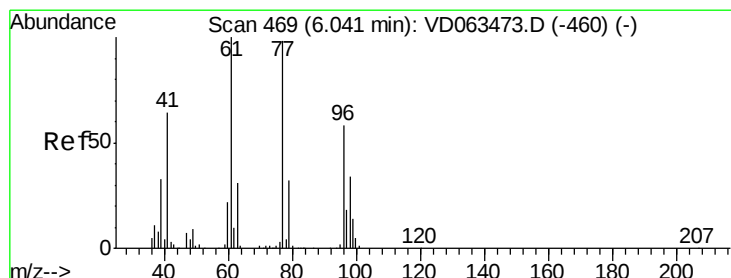
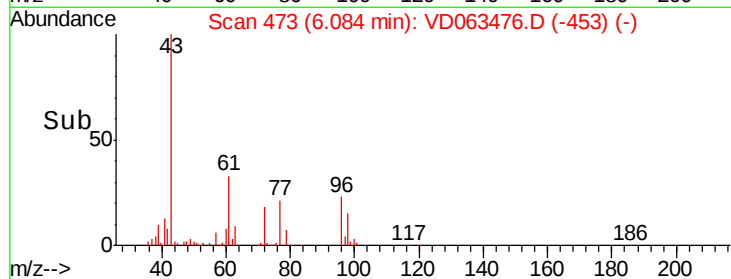
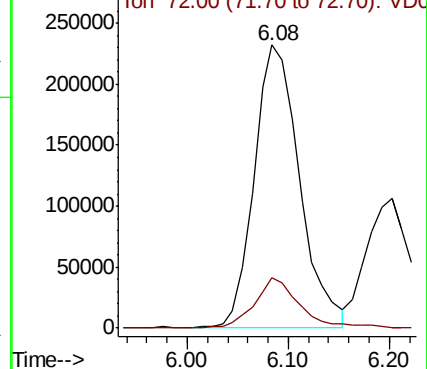
Ion Ratio Lower Upper

43 100

72 18.0 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC



#26

2,2-Dichloropropane

Concen: 56.860 ug/l

RT: 6.04 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD063476.D

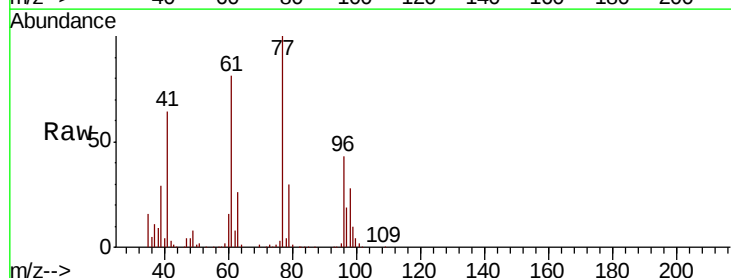
Acq: 9 Aug 2019 16:26

Tgt Ion: 77 Resp: 1069824

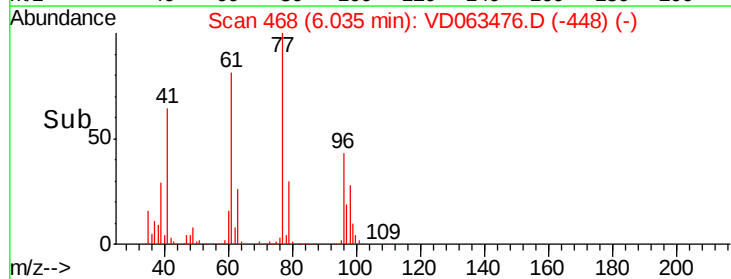
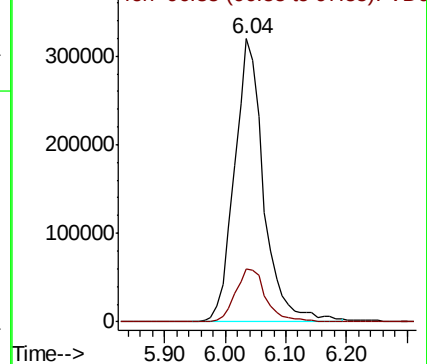
Ion Ratio Lower Upper

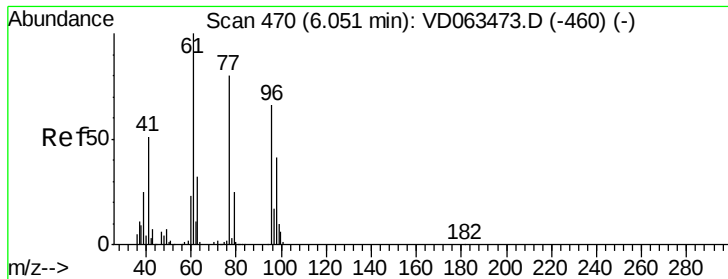
77 100

97 18.6 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC



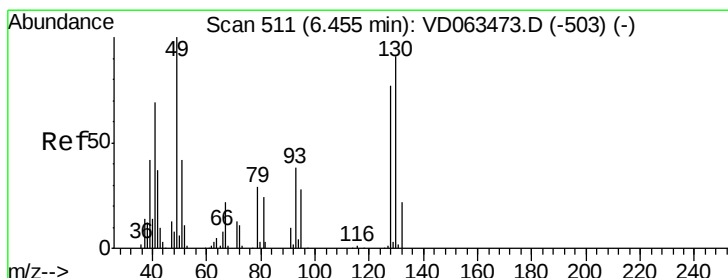
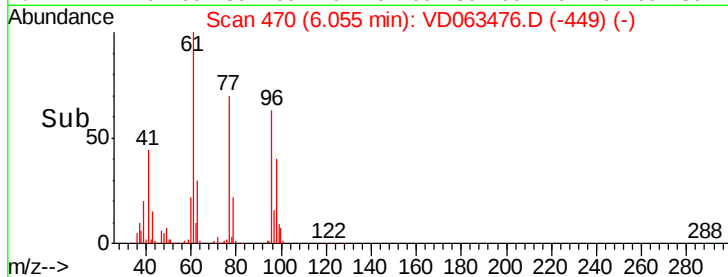
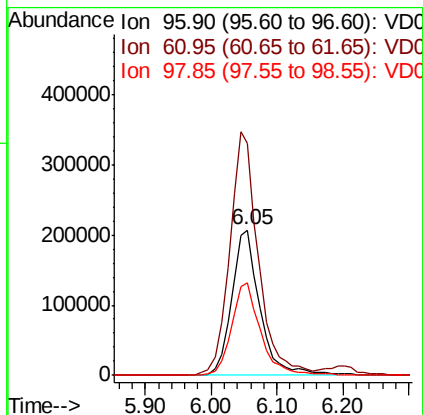
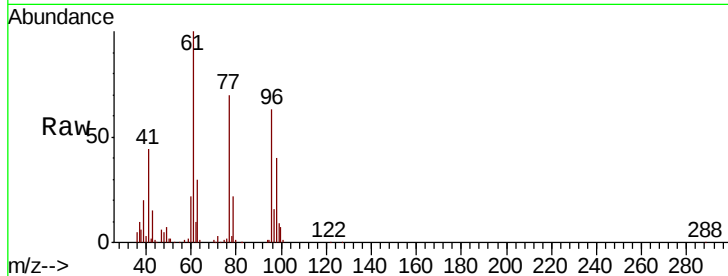


#27

cis-1,2-Dichloroethene
 Concen: 54.724 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. 0.00 min
 Lab File: VD063476.D
 Acq: 9 Aug 2019 16:26

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD080919

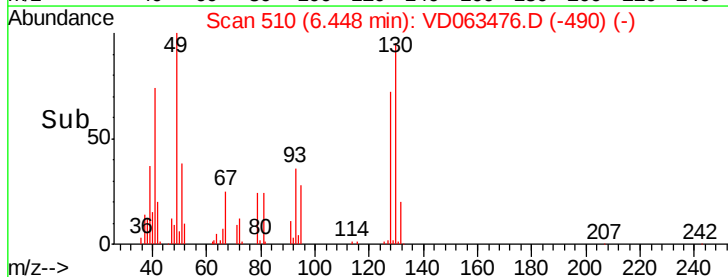
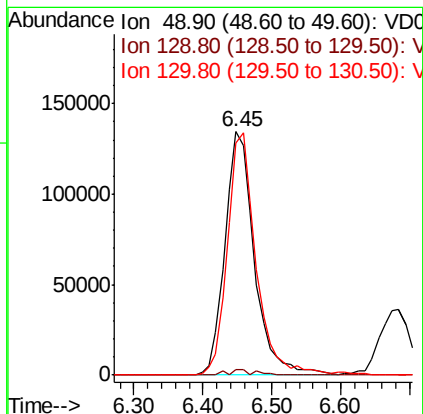
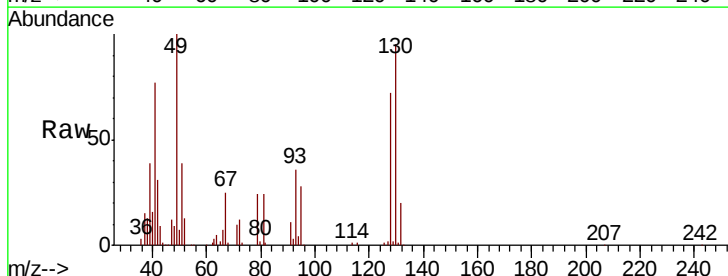
Tgt Ion: 96 Resp: 618589
 Ion Ratio Lower Upper
 96 100
 61 160.0 0.0 304.0
 98 63.4 0.0 124.8

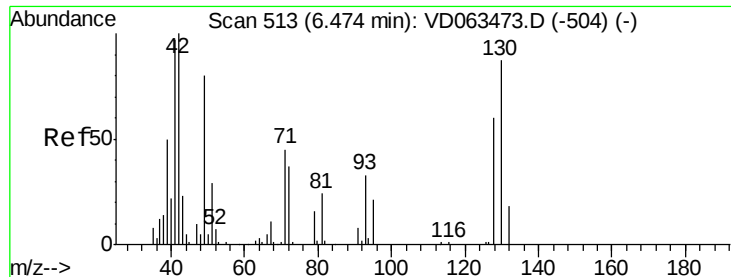


#28

Bromochloromethane
 Concen: 52.112 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: VD063476.D
 Acq: 9 Aug 2019 16:26

Tgt Ion: 49 Resp: 398962
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 6.4
 130 95.5 72.4 108.6

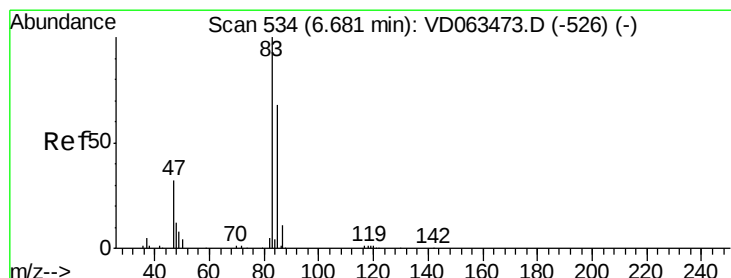
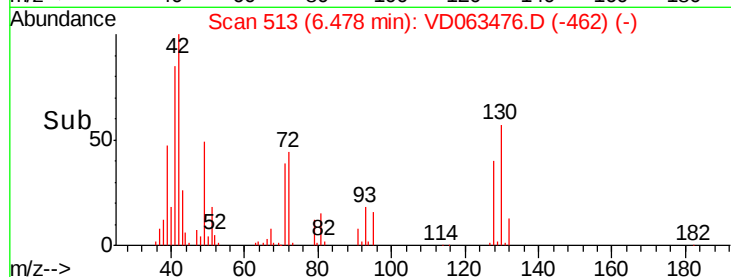
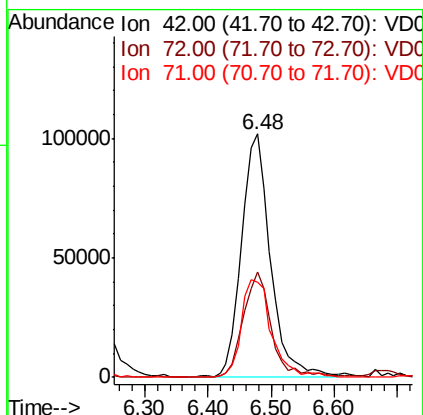
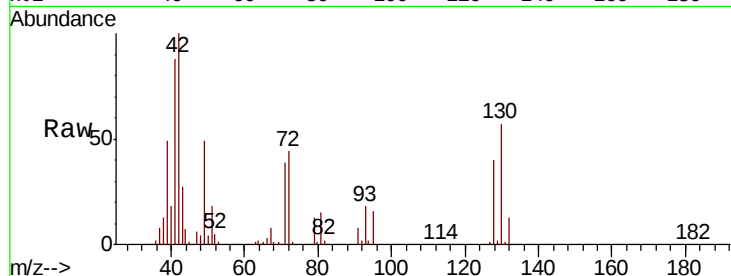




#29
Tetrahydrofuran
Concen: 267.749 ug/l
RT: 6.48 min Scan# 513
Delta R.T. 0.00 min
Lab File: VD063476.D
Acq: 9 Aug 2019 16:26

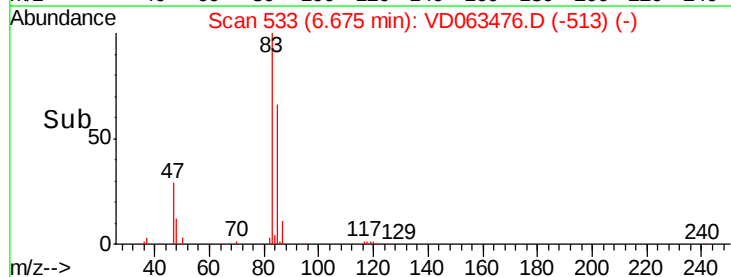
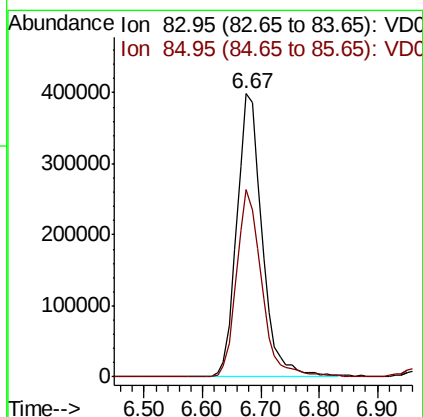
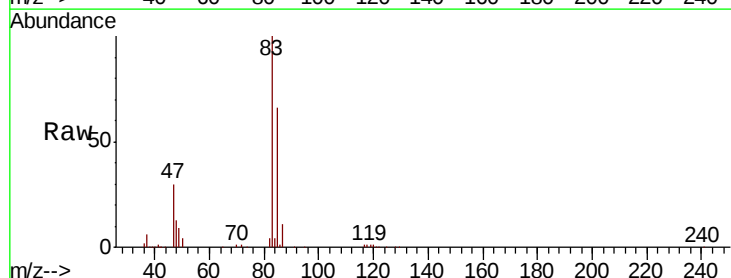
Instrument :
MSVOA_D
ClientSampleId :
ICVVD080919

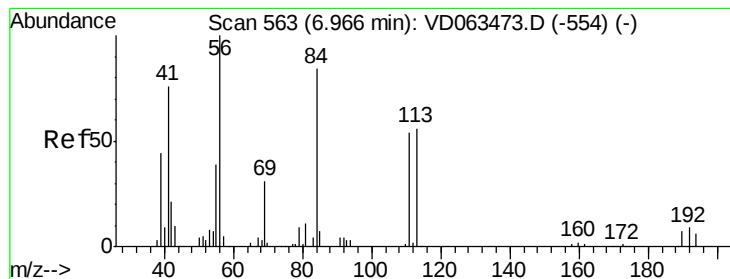
Tgt Ion: 42 Resp: 325325
Ion Ratio Lower Upper
42 100
72 42.0 31.5 47.3
71 42.0 33.8 50.8



#30
Chloroform
Concen: 51.283 ug/l
RT: 6.67 min Scan# 533
Delta R.T. -0.01 min
Lab File: VD063476.D
Acq: 9 Aug 2019 16:26

Tgt Ion: 83 Resp: 1204119
Ion Ratio Lower Upper
83 100
85 66.2 54.8 82.2





#31

Cyclohexane

Concen: 59.748 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.00 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD080919

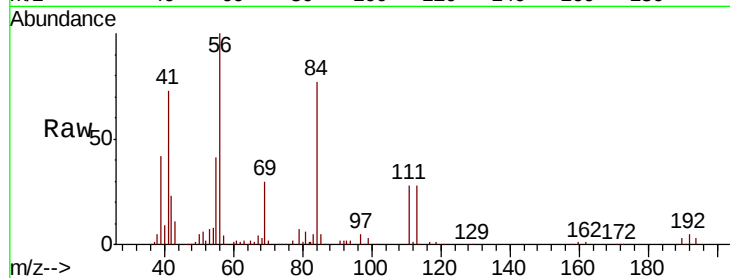
Tgt Ion: 56 Resp: 700662

Ion Ratio Lower Upper

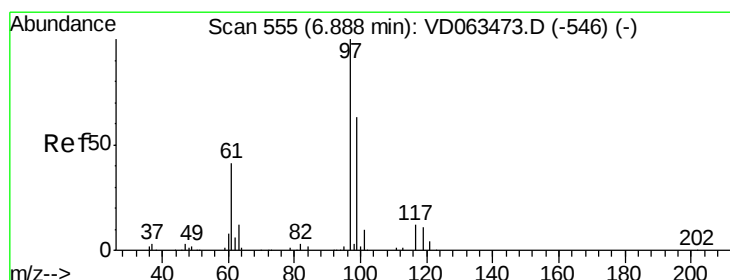
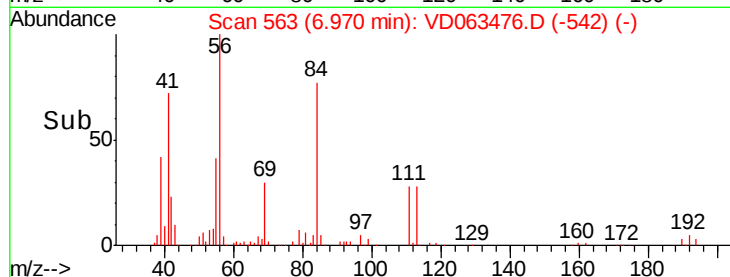
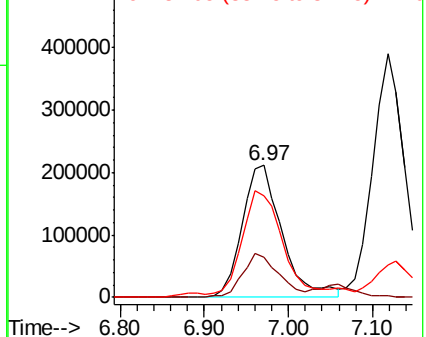
56 100

69 30.3 25.0 37.6

84 77.3 69.7 104.5



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: 53.365 ug/l

RT: 6.88 min Scan# 554

Delta R.T. -0.01 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

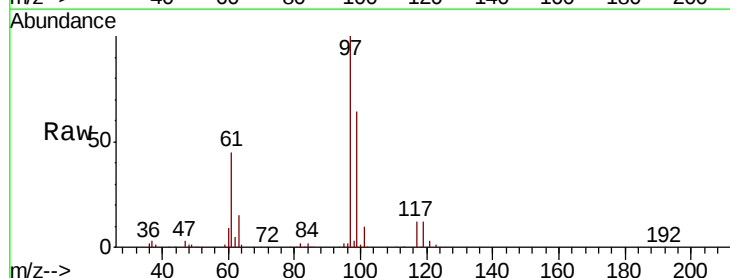
Tgt Ion: 97 Resp: 1198597

Ion Ratio Lower Upper

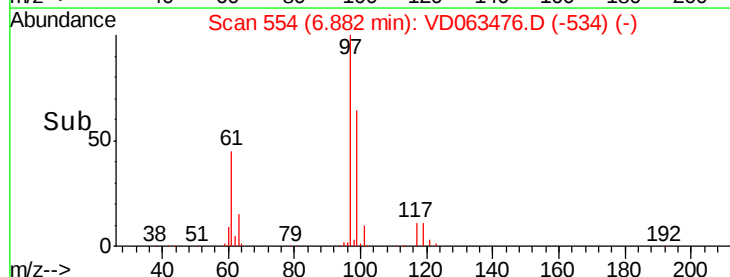
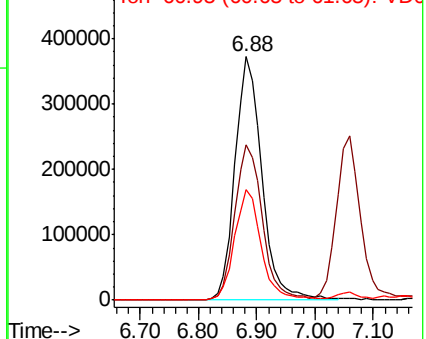
97 100

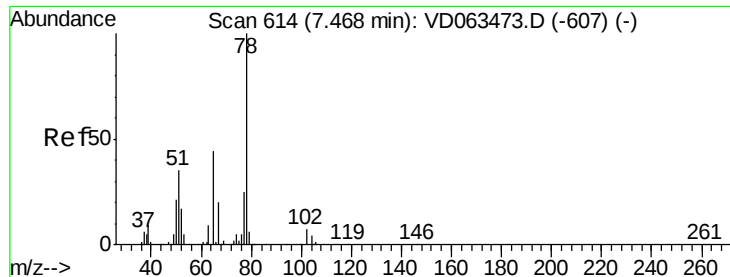
99 63.6 50.2 75.4

61 45.2 33.1 49.7



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





#33

1,2-Dichloroethane-d4

Concen: 52.061 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

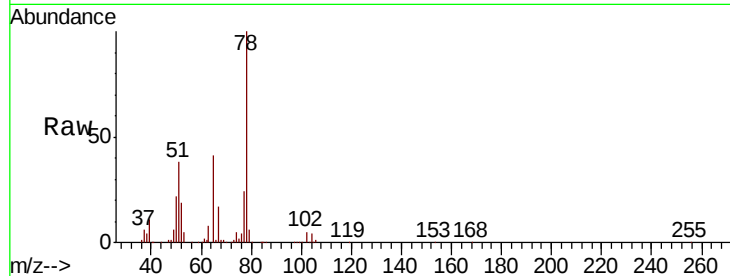
ICVVD080919

Tgt Ion: 65 Resp: 676156

Ion Ratio Lower Upper

65 100

67 40.5 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

250000

200000

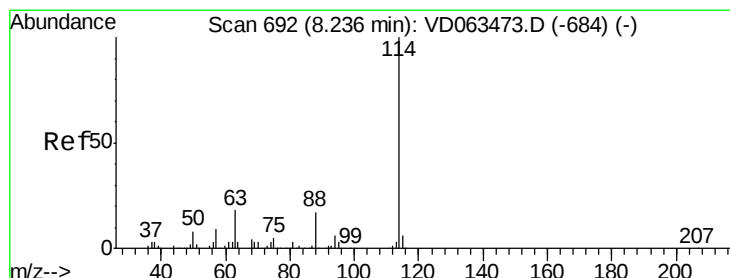
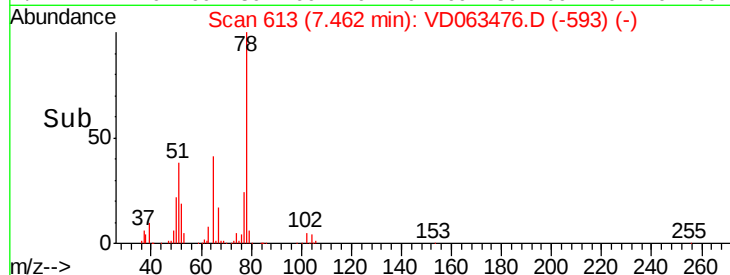
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. -0.01 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

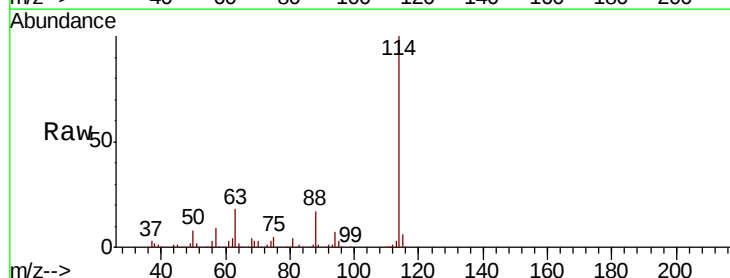
Tgt Ion: 114 Resp: 1799660

Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.2

88 17.5 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23

1000000

800000

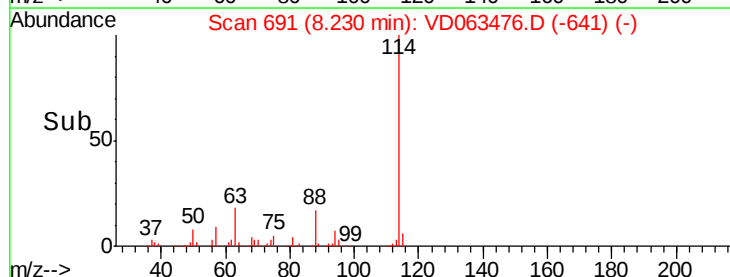
600000

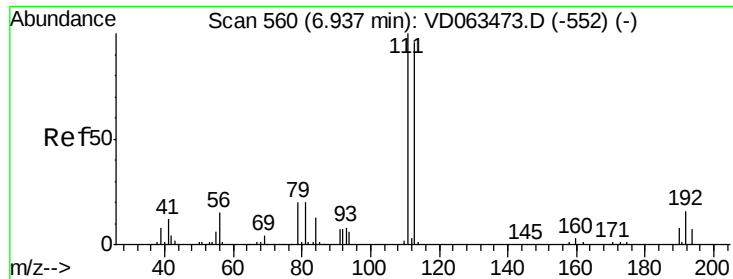
400000

200000

0

Time--> 8.10 8.20 8.30 8.40 8.50

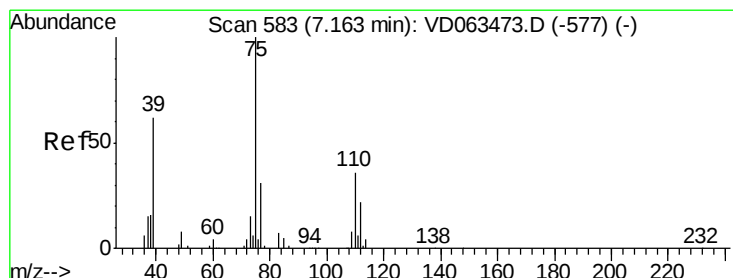
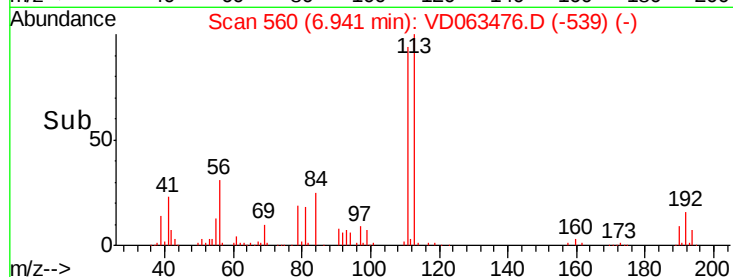
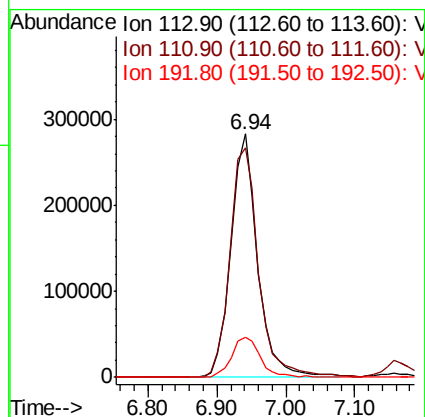
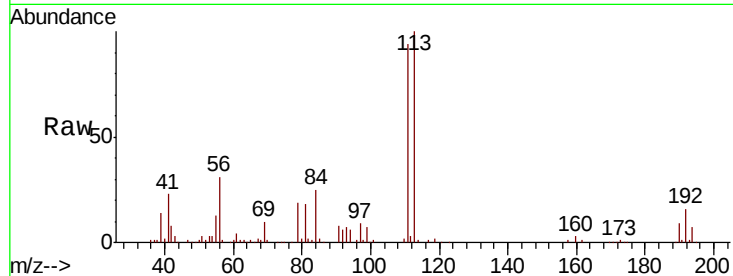




#35
 Dibromofluoromethane
 Concen: 50.045 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.00 min
 Lab File: VD063476.D
 Acq: 9 Aug 2019 16:26

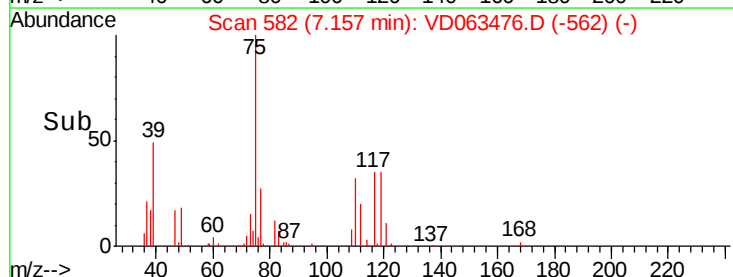
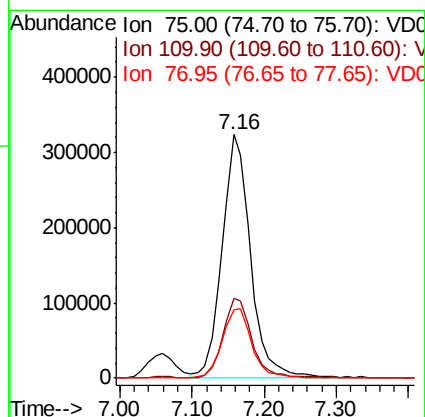
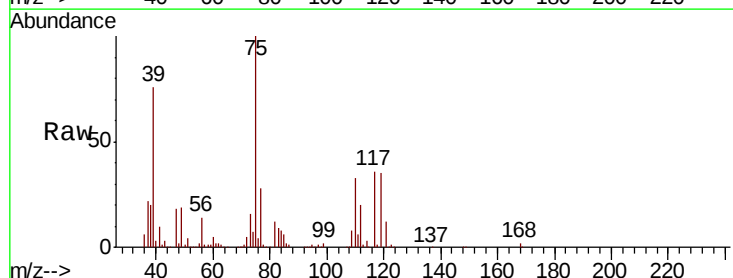
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD080919

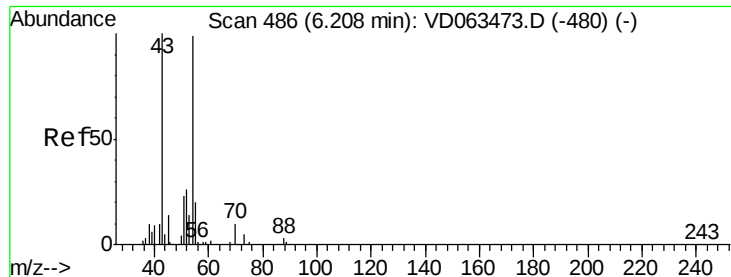
Tgt Ion	Ratio	Lower	Upper
113	100		
111	94.2	83.1	124.7
192	16.4	13.1	19.7



#36
 1,1-Dichloropropene
 Concen: 54.776 ug/l
 RT: 7.16 min Scan# 582
 Delta R.T. -0.01 min
 Lab File: VD063476.D
 Acq: 9 Aug 2019 16:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.6	17.6	52.8
77	28.1	24.3	36.5

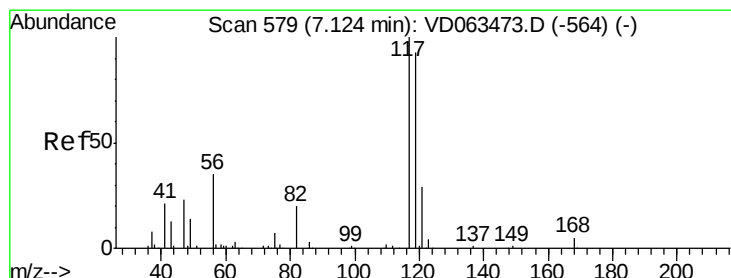
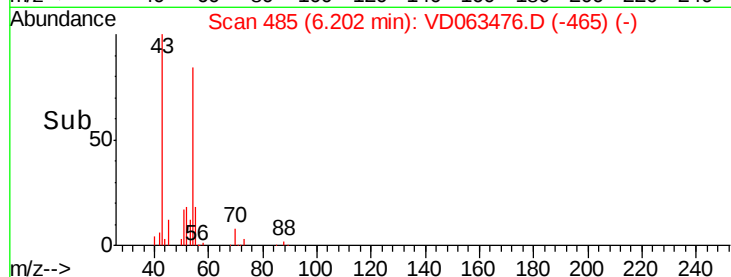
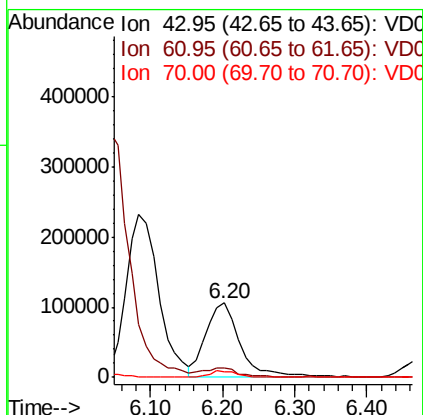
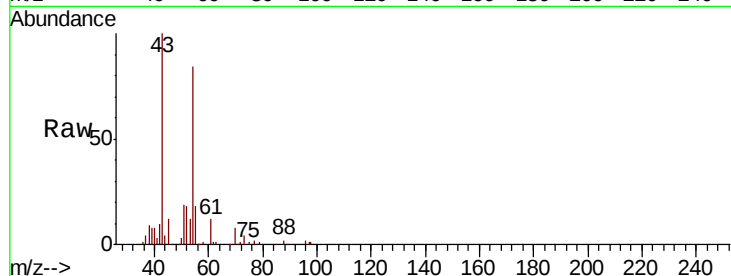




#37
Ethyl Acetate
Concen: 51.387 ug/l
RT: 6.20 min Scan# 485
Delta R.T. -0.01 min
Lab File: VD063476.D
Acq: 9 Aug 2019 16:26

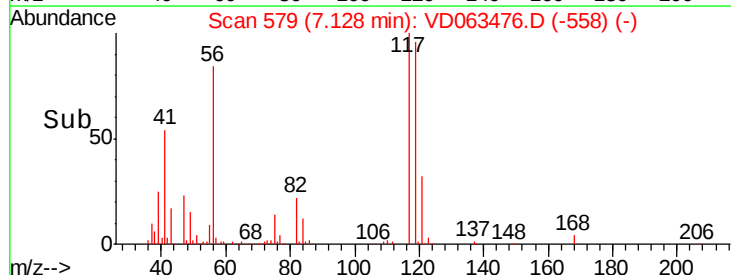
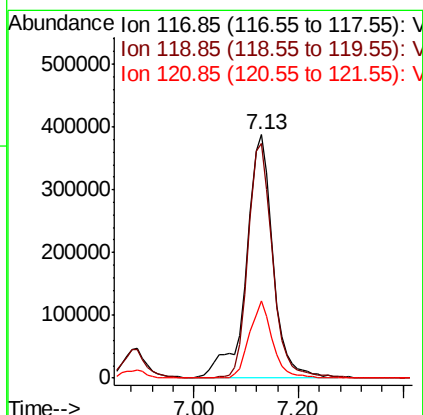
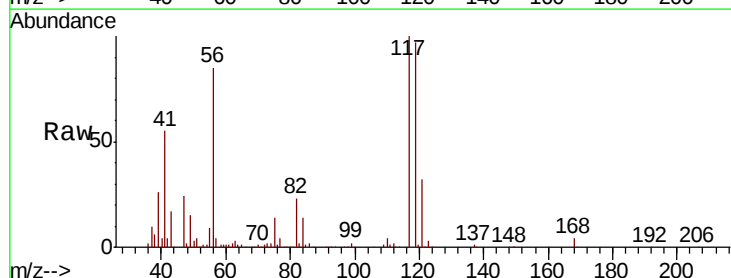
Instrument :
MSVOA_D
ClientSampleId :
ICVVD080919

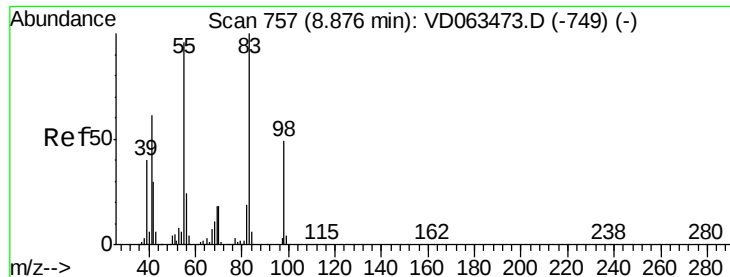
Tgt Ion: 43 Resp: 342572
Ion Ratio Lower Upper
43 100
61 12.4 9.0 13.6
70 8.0 6.9 10.3



#38
Carbon Tetrachloride
Concen: 55.748 ug/l
RT: 7.13 min Scan# 579
Delta R.T. 0.00 min
Lab File: VD063476.D
Acq: 9 Aug 2019 16:26

Tgt Ion: 117 Resp: 1336679
Ion Ratio Lower Upper
117 100
119 96.6 74.2 111.2
121 31.7 23.1 34.7

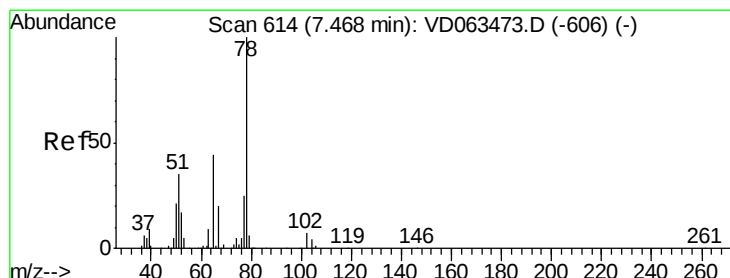
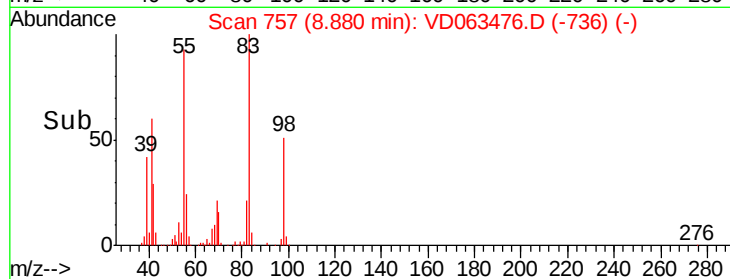
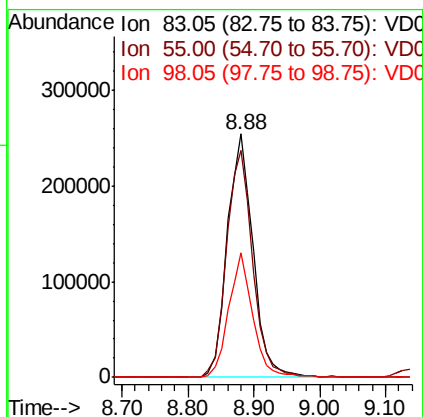
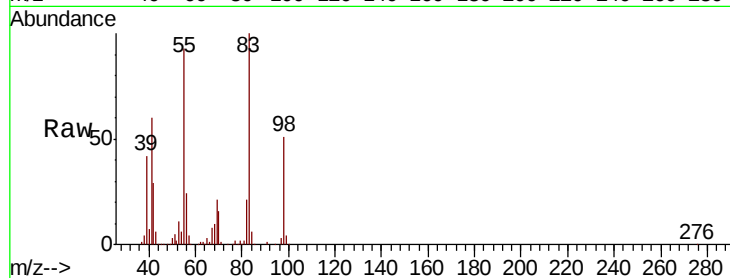




#39
Methylcyclohexane
Concen: 51.657 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.00 min
Lab File: VD063476.D
Acq: 9 Aug 2019 16:26

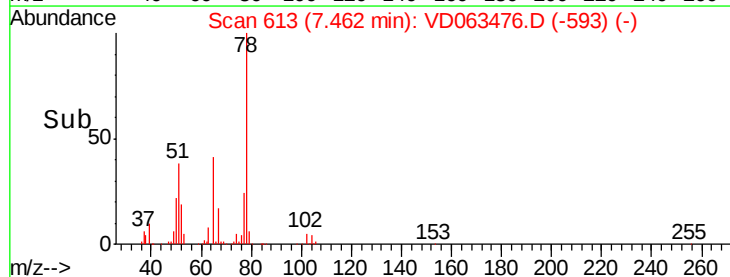
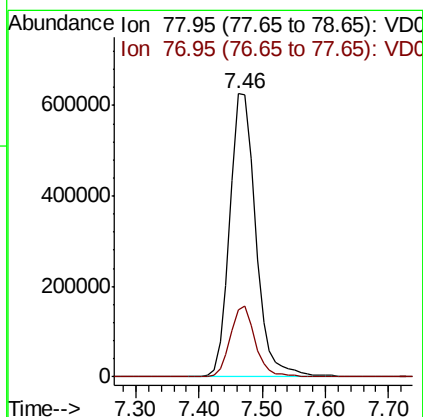
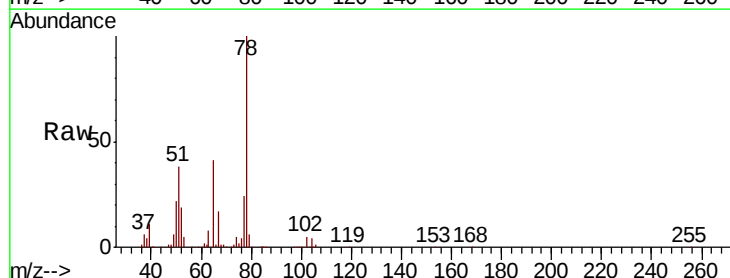
Instrument :
MSVOA_D
ClientSampleId :
ICVVD080919

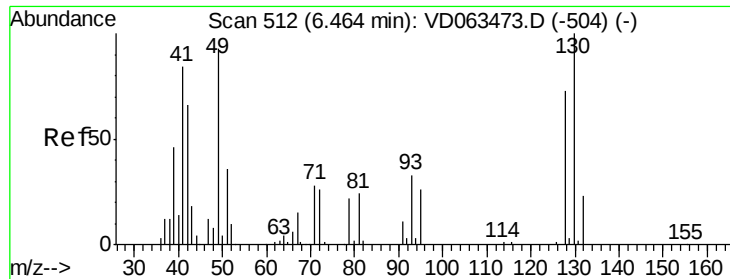
Tgt Ion: 83 Resp: 698834
Ion Ratio Lower Upper
83 100
55 93.0 76.6 114.8
98 51.2 39.4 59.0



#40
Benzene
Concen: 51.028 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD063476.D
Acq: 9 Aug 2019 16:26

Tgt Ion: 78 Resp: 1786528
Ion Ratio Lower Upper
78 100
77 23.9 20.1 30.1





#41

Methacrylonitrile

Concen: 51.945 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD080919

Tgt Ion: 41 Resp: 436022

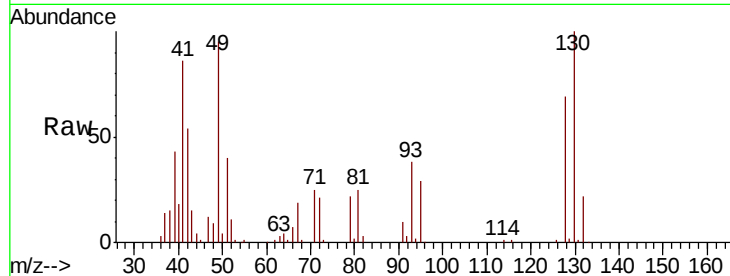
Ion Ratio Lower Upper

41 100

39 50.2 44.6 66.8

67 21.6 14.4 21.6#

52 12.3 9.3 13.9

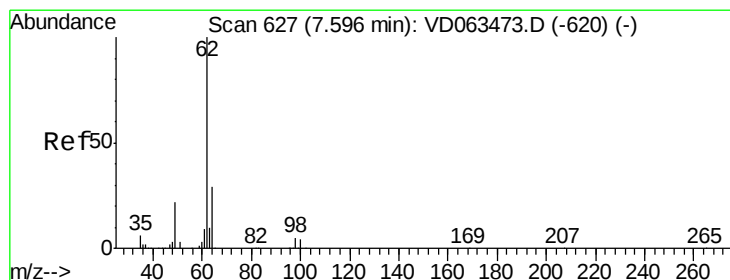
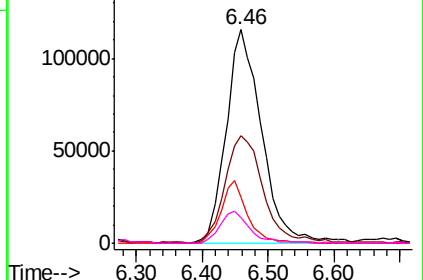
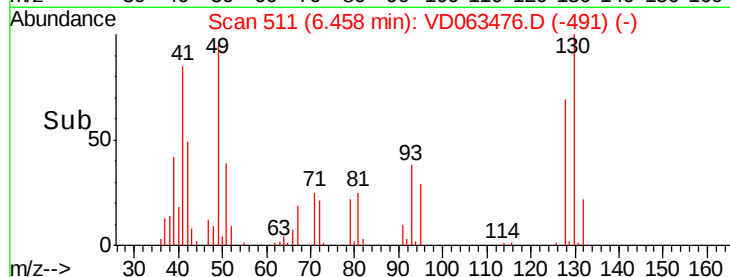


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 49.348 ug/l

RT: 7.59 min Scan# 626

Delta R.T. -0.01 min

Lab File: VD063476.D

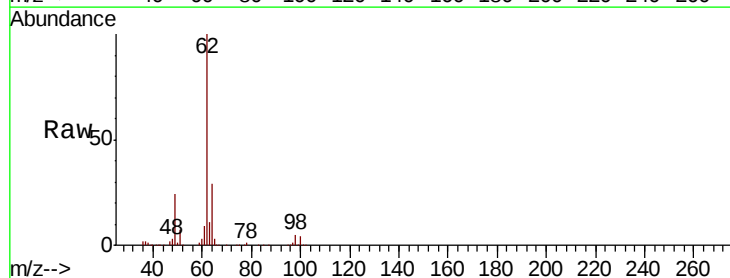
Acq: 9 Aug 2019 16:26

Tgt Ion: 62 Resp: 868745

Ion Ratio Lower Upper

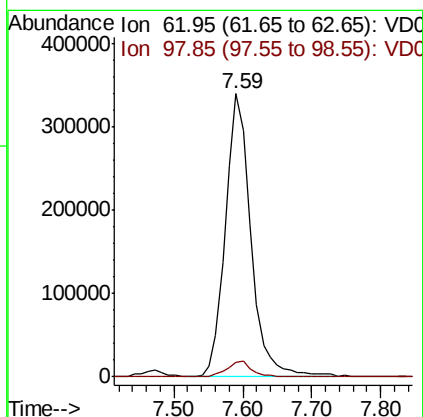
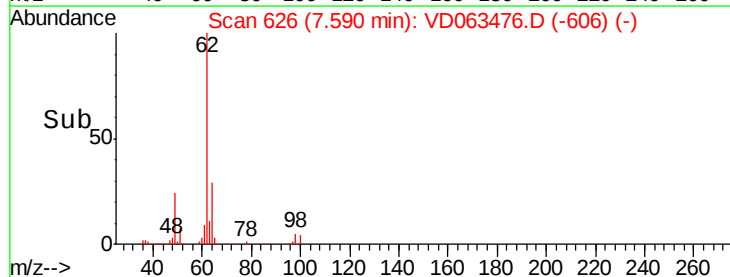
62 100

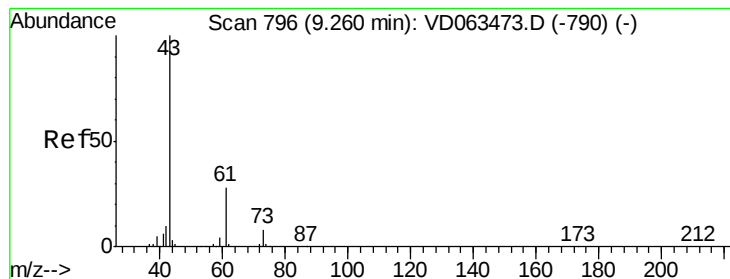
98 5.4 0.0 10.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 53.569 ug/l

RT: 9.25 min Scan# 795

Delta R.T. -0.01 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD080919

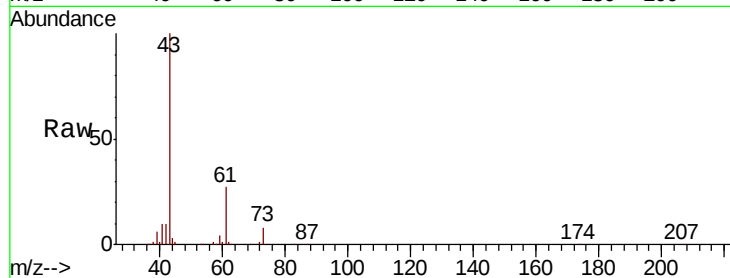
Tgt Ion: 43 Resp: 478293

Ion Ratio Lower Upper

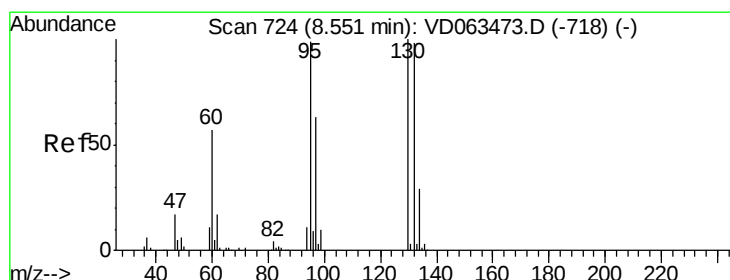
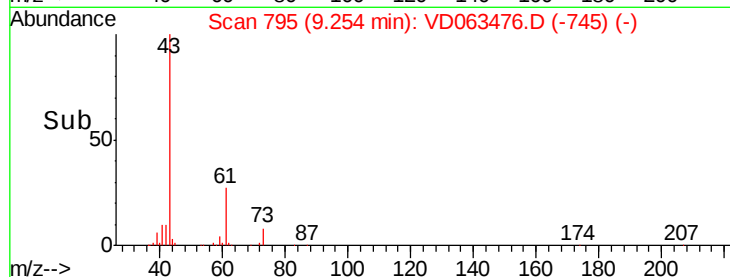
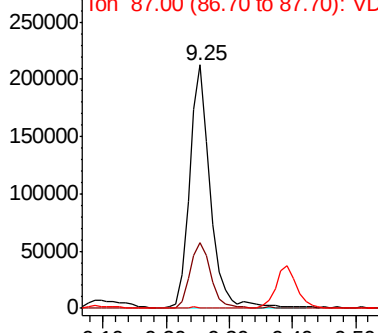
43 100

61 27.0 22.2 33.2

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: 50.712 ug/l

RT: 8.56 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD063476.D

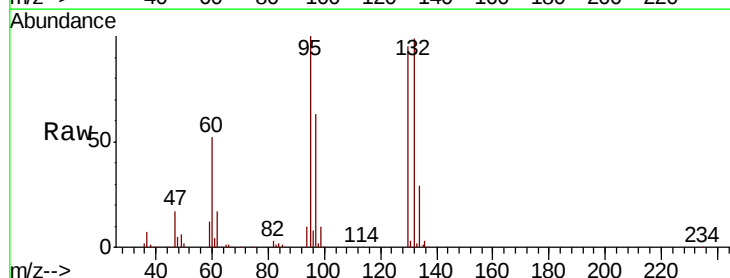
Acq: 9 Aug 2019 16:26

Tgt Ion: 130 Resp: 678624

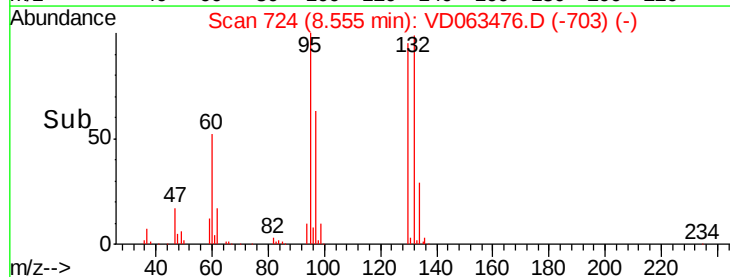
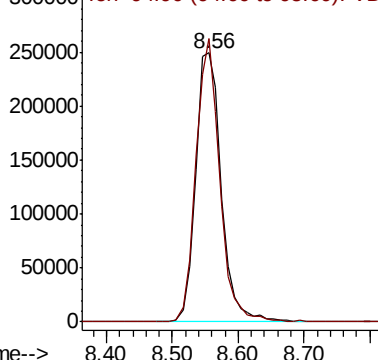
Ion Ratio Lower Upper

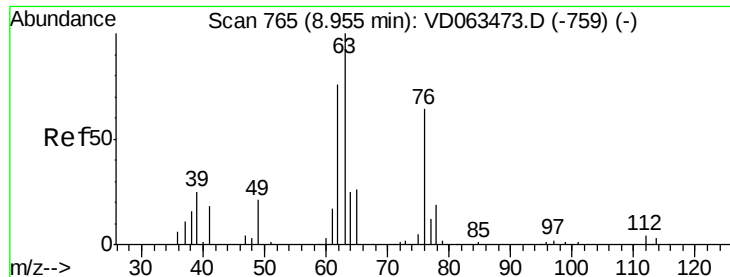
130 100

95 105.2 0.0 198.0



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





#45

1,2-Dichloropropane

Concen: 55.821 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

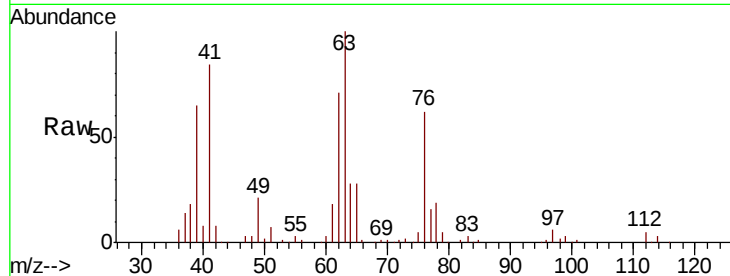
ICVVD080919

Tgt Ion: 63 Resp: 455124

Ion Ratio Lower Upper

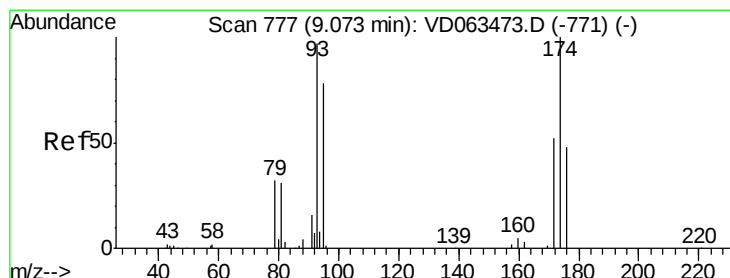
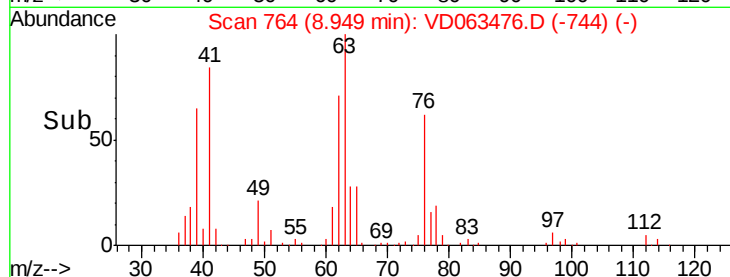
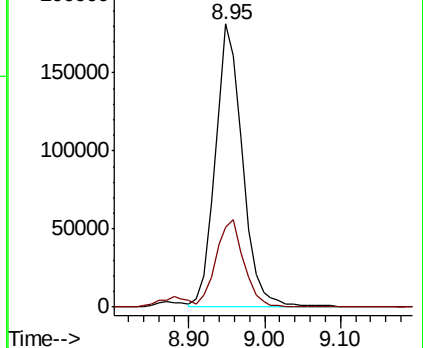
63 100

65 28.0 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 52.530 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.00 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

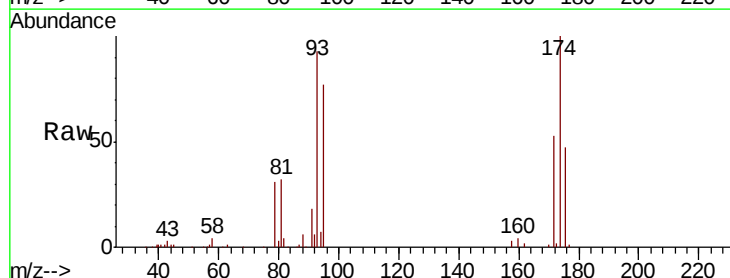
Tgt Ion: 93 Resp: 365748

Ion Ratio Lower Upper

93 100

95 82.5 64.2 96.2

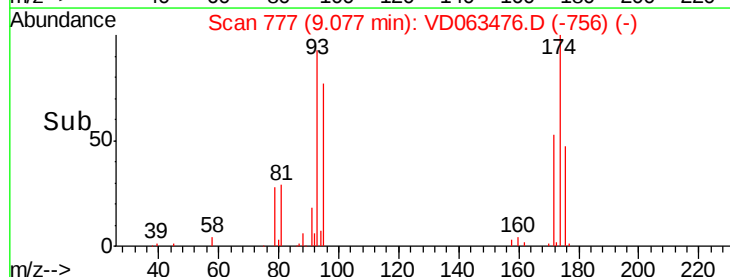
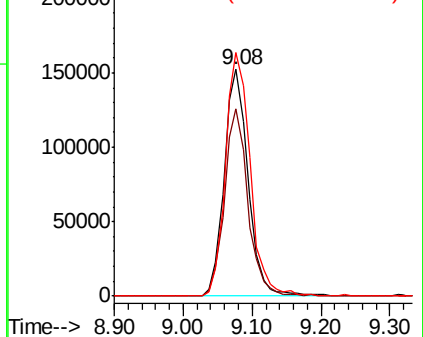
174 107.3 82.1 123.1

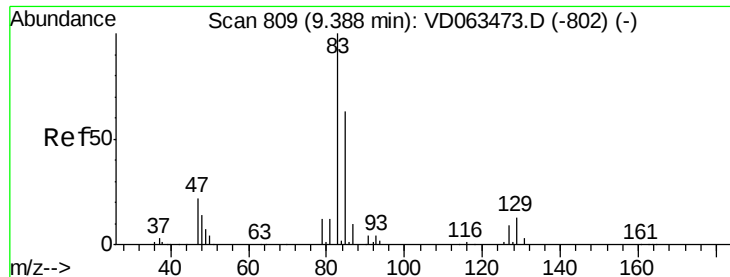


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 50.588 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD080919

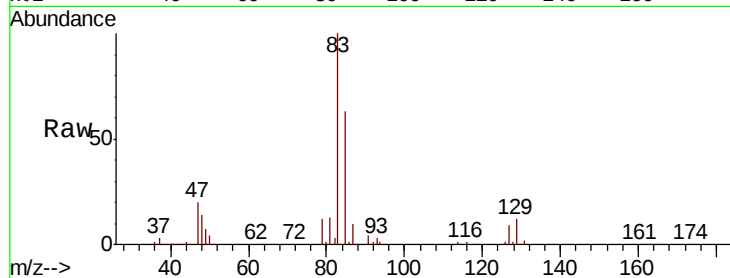
Tgt Ion: 83 Resp: 903500

Ion Ratio Lower Upper

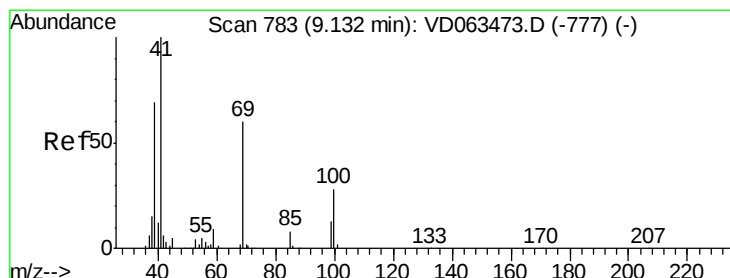
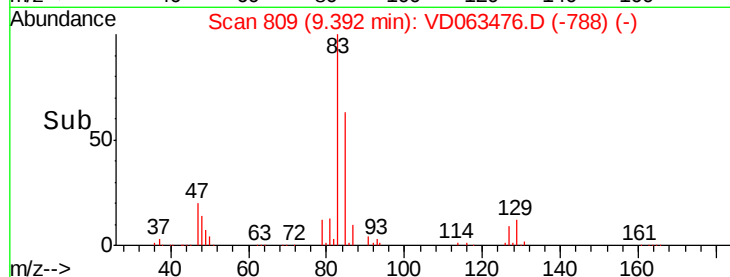
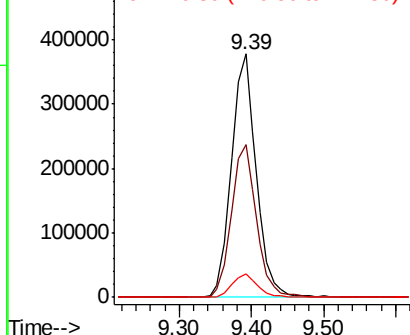
83 100

85 62.6 50.1 75.1

127 9.5 7.6 11.4



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: 48.444 ug/l

RT: 9.13 min Scan# 782

Delta R.T. -0.01 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

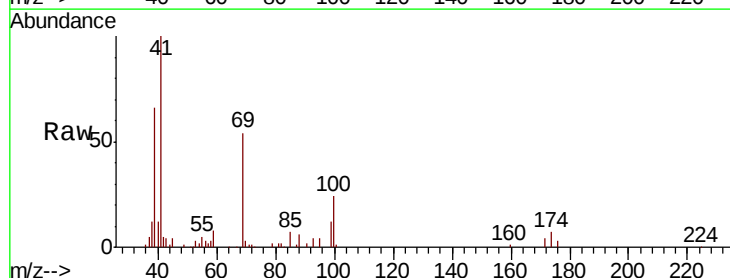
Tgt Ion: 41 Resp: 293337

Ion Ratio Lower Upper

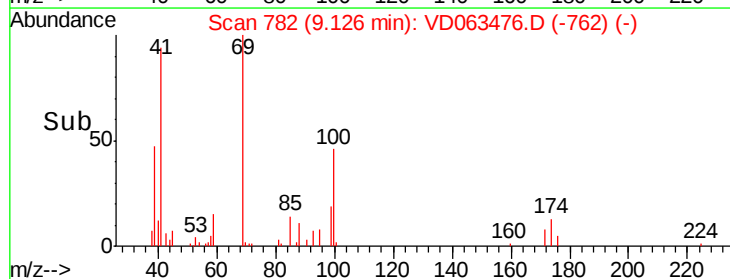
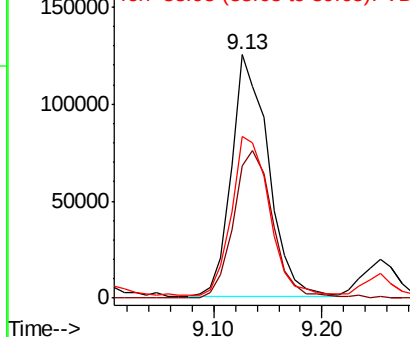
41 100

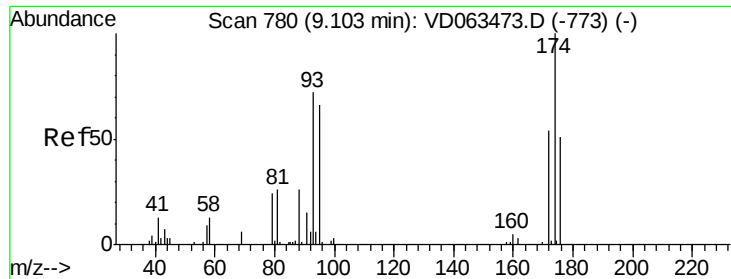
69 54.3 47.6 71.4

39 66.4 55.7 83.5



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

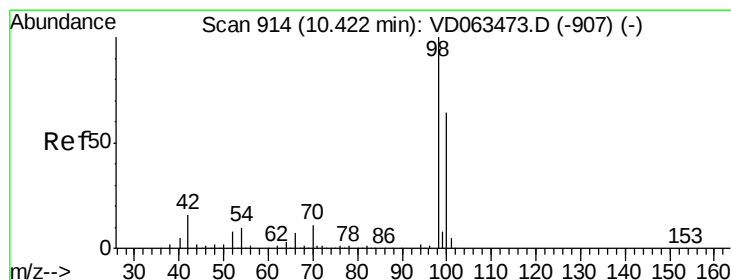
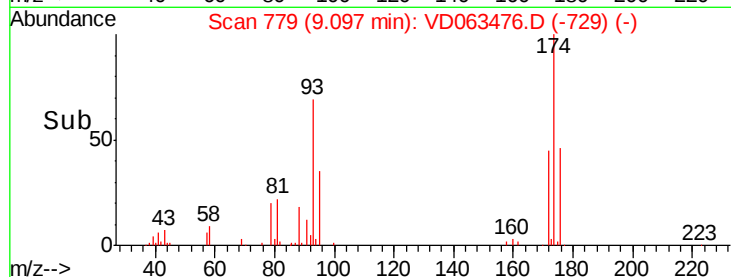
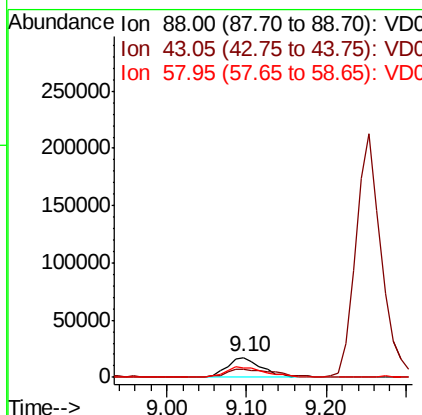
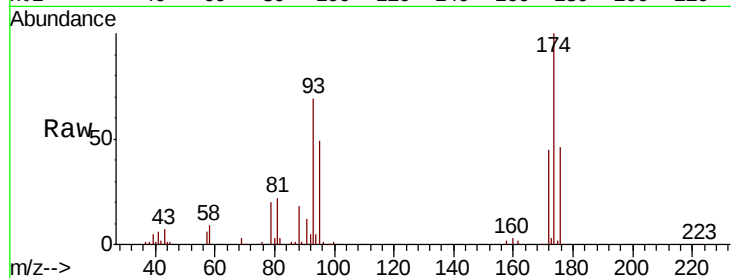




#49
1,4-Dioxane
Concen: 971.414 ug/l
RT: 9.10 min Scan# 779
Delta R.T. -0.01 min
Lab File: VD063476.D
Acq: 9 Aug 2019 16:26

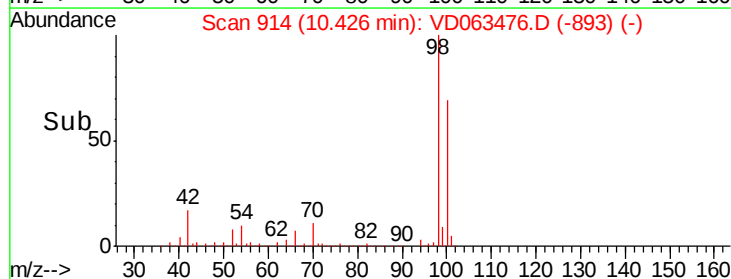
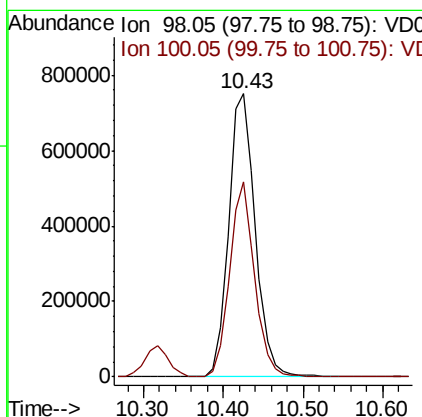
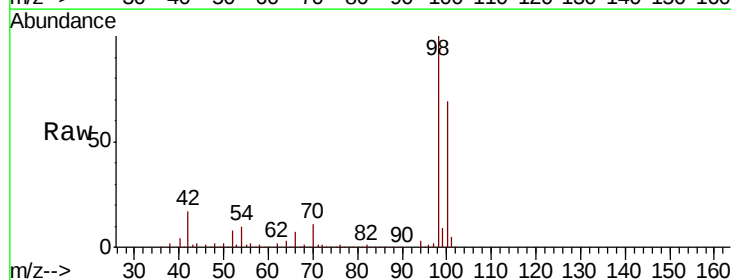
Instrument :
MSVOA_D
ClientSampleId :
ICVVD080919

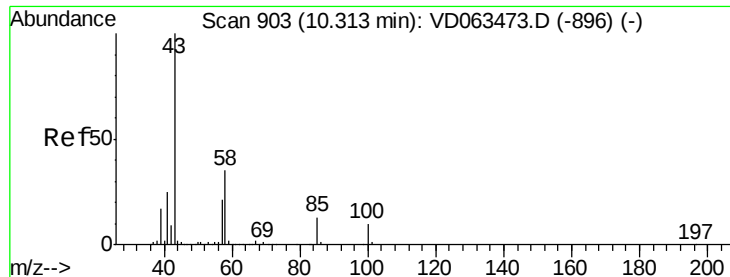
Tgt Ion: 88 Resp: 52487
Ion Ratio Lower Upper
88 100
43 39.7 22.9 34.3#
58 49.5 40.1 60.1



#50
Toluene-d8
Concen: 52.424 ug/l
RT: 10.43 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063476.D
Acq: 9 Aug 2019 16:26

Tgt Ion: 98 Resp: 1746913
Ion Ratio Lower Upper
98 100
100 69.1 51.7 77.5

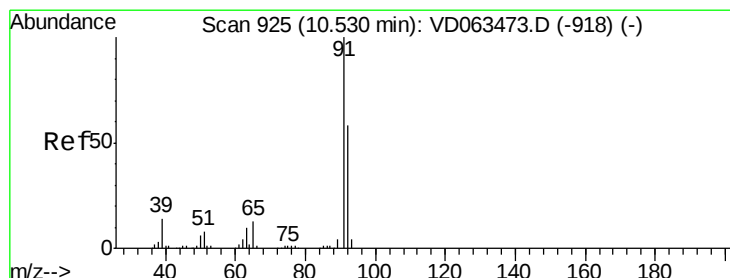
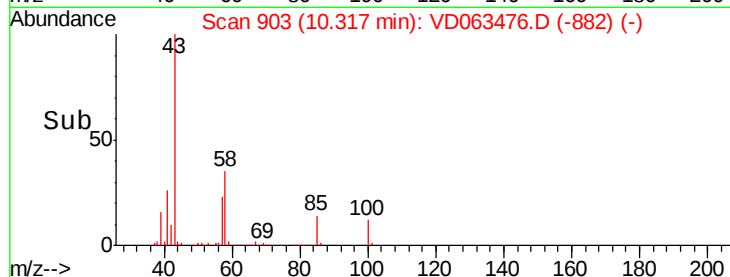
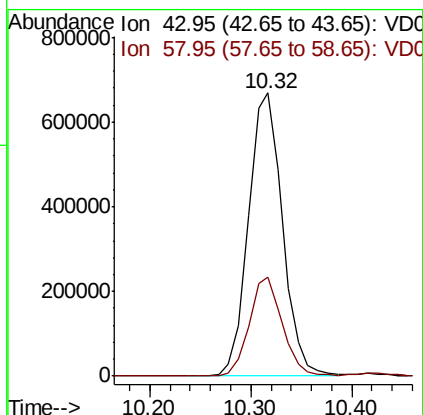
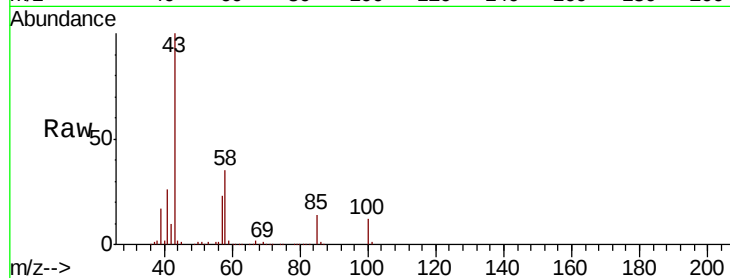




#51
 4-Methyl-2-Pentanone
 Concen: 256.930 ug/l
 RT: 10.32 min Scan# 903
 Delta R.T. 0.00 min
 Lab File: VD063476.D
 Acq: 9 Aug 2019 16:26

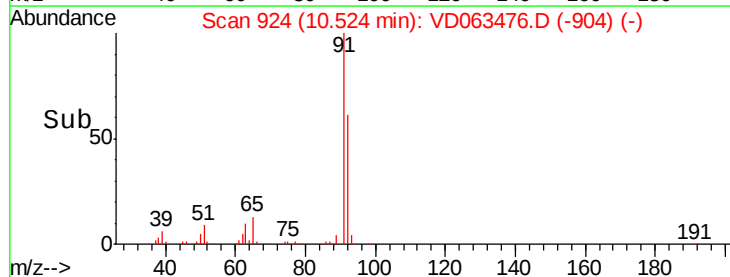
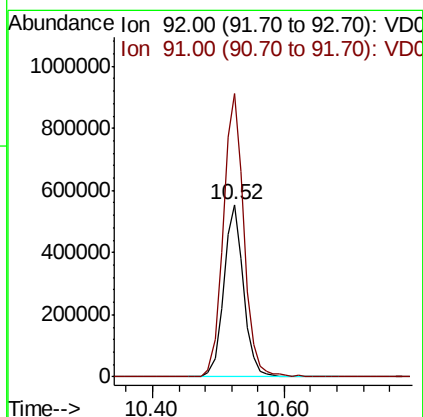
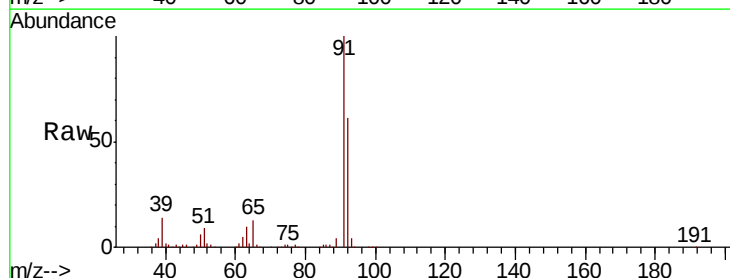
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD080919

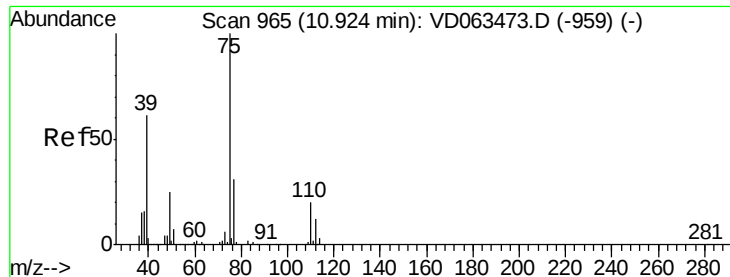
Tgt Ion: 43 Resp: 1569742
 Ion Ratio Lower Upper
 43 100
 58 34.8 28.0 42.0



#52
 Toluene
 Concen: 51.332 ug/l
 RT: 10.52 min Scan# 924
 Delta R.T. -0.01 min
 Lab File: VD063476.D
 Acq: 9 Aug 2019 16:26

Tgt Ion: 92 Resp: 1157566
 Ion Ratio Lower Upper
 92 100
 91 164.3 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 51.680 ug/l

RT: 10.93 min Scan# 965

Delta R.T. 0.00 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

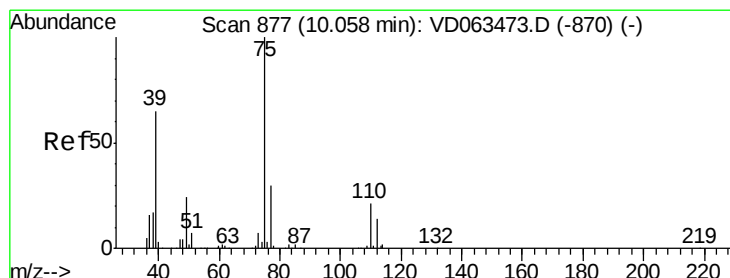
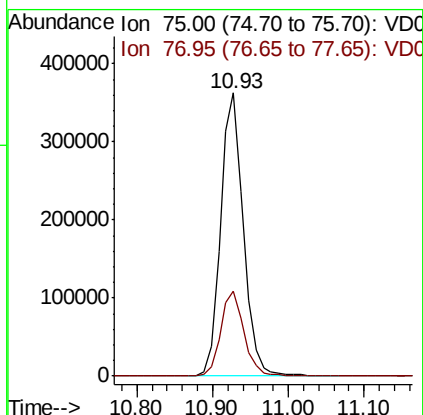
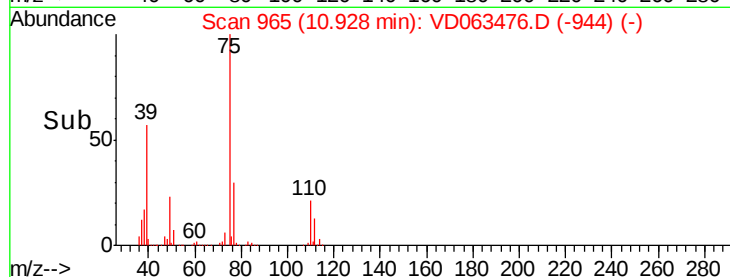
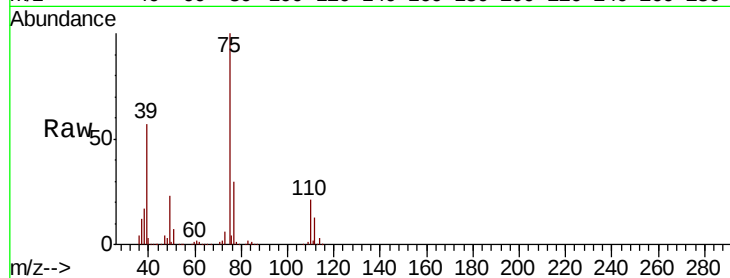
ICVVD080919

Tgt Ion: 75 Resp: 753267

Ion Ratio Lower Upper

75 100

77 29.8 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 51.728 ug/l

RT: 10.05 min Scan# 876

Delta R.T. -0.01 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

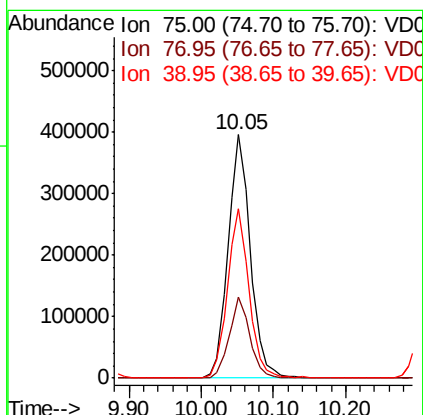
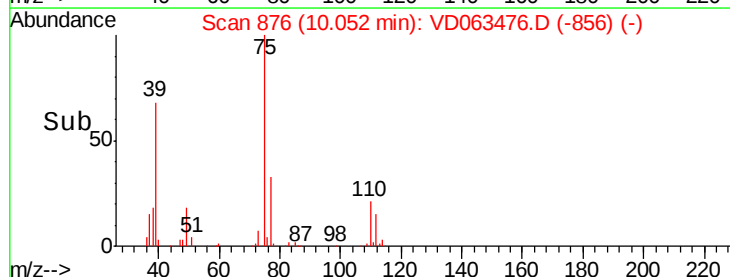
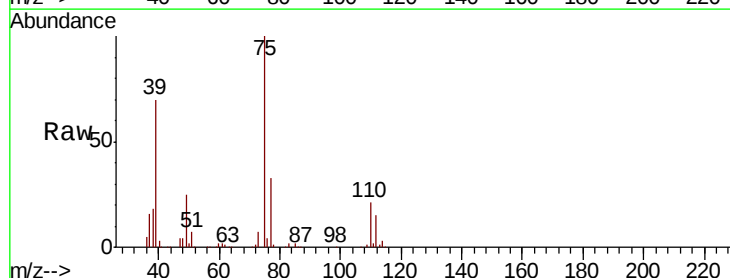
Tgt Ion: 75 Resp: 850148

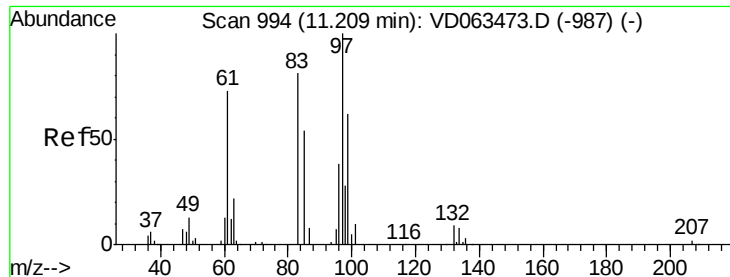
Ion Ratio Lower Upper

75 100

77 33.4 23.7 35.5

39 69.6 52.2 78.4

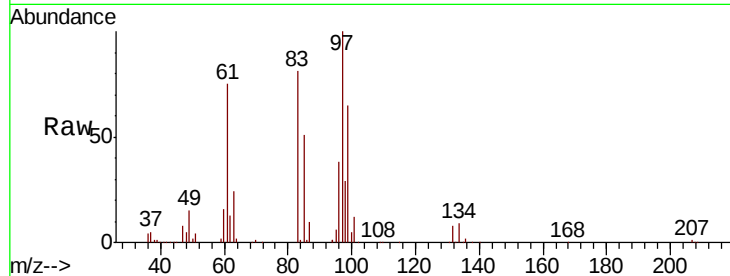




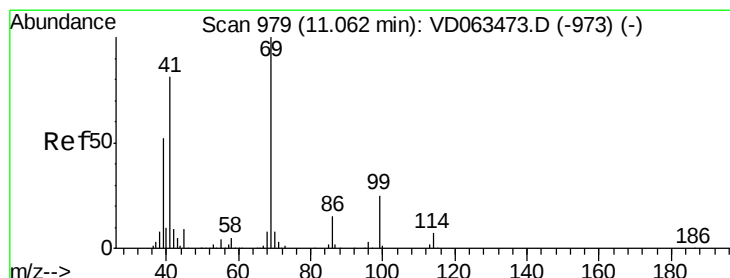
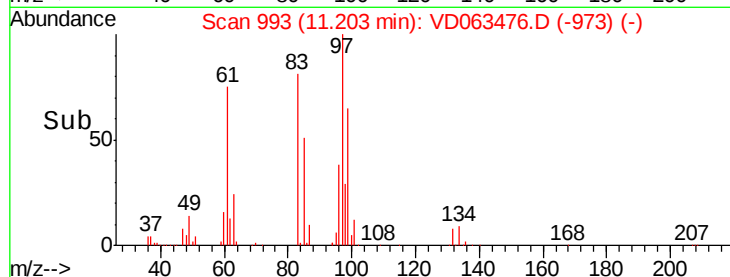
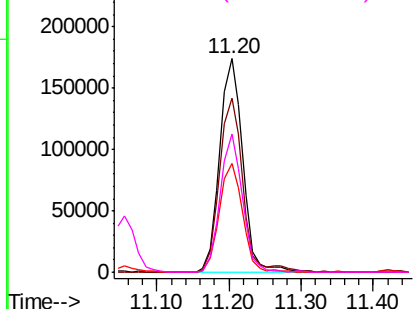
#55
 1,1,2-Trichloroethane
 Concen: 50.483 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VD063476.D
 Acq: 9 Aug 2019 16:26

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD080919

Tgt Ion:	97	Resp:	384549
Ion	Ratio	Lower	Upper
97	100		
83	81.4	64.7	97.1
85	51.2	42.9	64.3
99	64.6	49.7	74.5

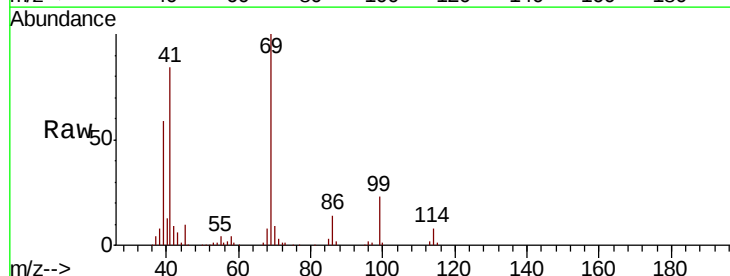


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

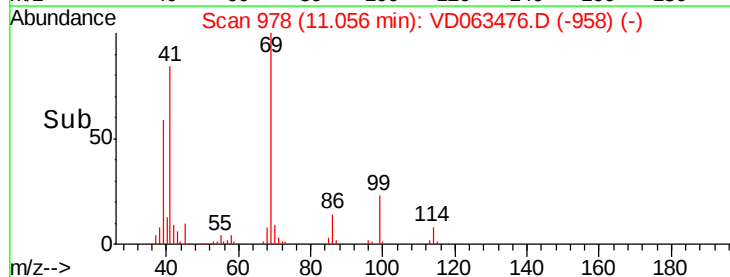
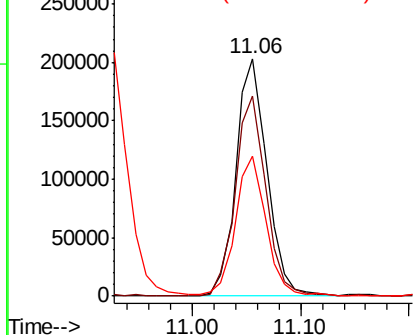


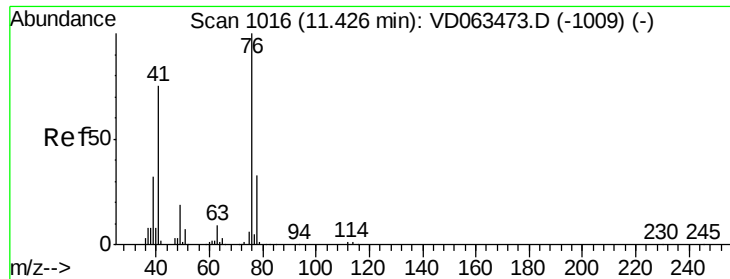
#56
 Ethyl methacrylate
 Concen: 48.967 ug/l
 RT: 11.06 min Scan# 978
 Delta R.T. -0.01 min
 Lab File: VD063476.D
 Acq: 9 Aug 2019 16:26

Tgt Ion:	69	Resp:	404857
Ion	Ratio	Lower	Upper
69	100		
41	84.1	64.8	97.2
39	59.1	42.4	63.6



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 53.276 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

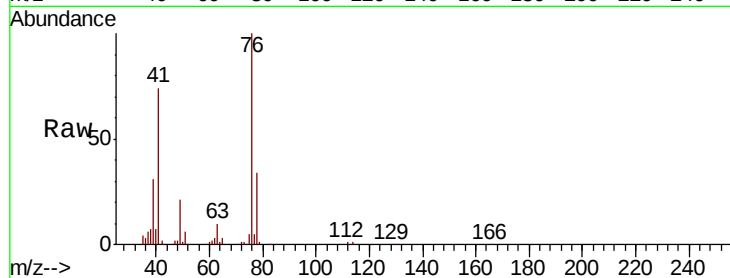
ICVVD080919

Tgt Ion: 76 Resp: 613441

Ion Ratio Lower Upper

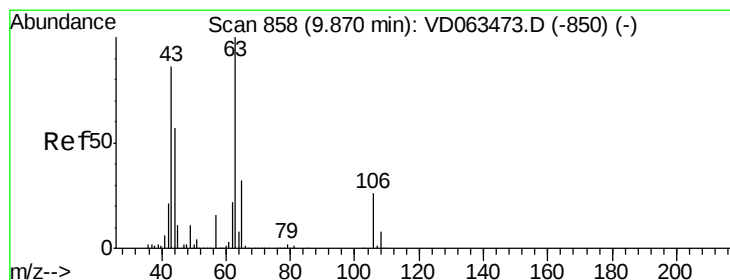
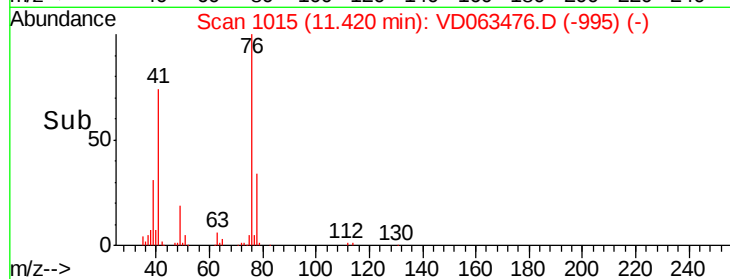
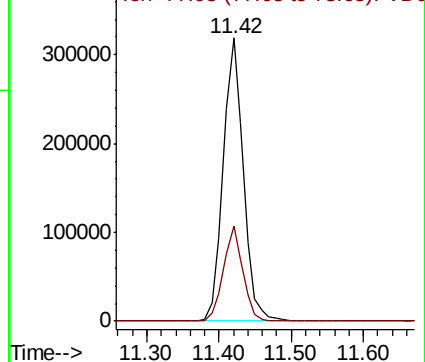
76 100

78 33.6 26.3 39.5



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 245.629 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.00 min

Lab File: VD063476.D

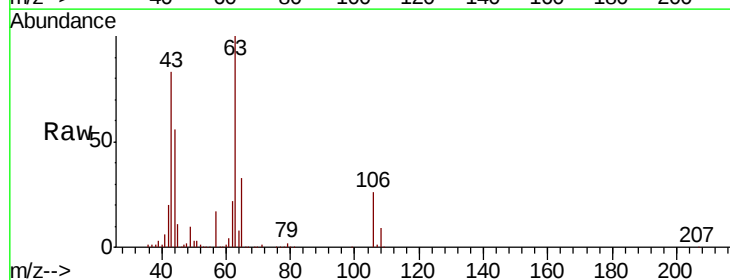
Acq: 9 Aug 2019 16:26

Tgt Ion: 63 Resp: 1072146

Ion Ratio Lower Upper

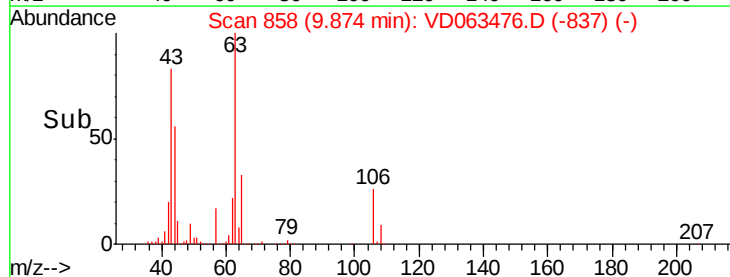
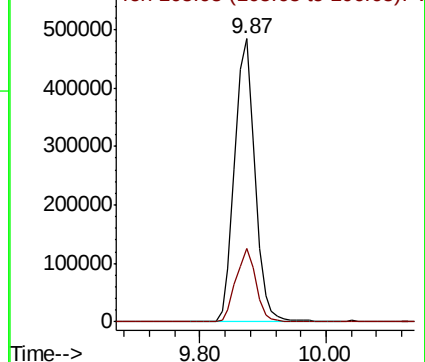
63 100

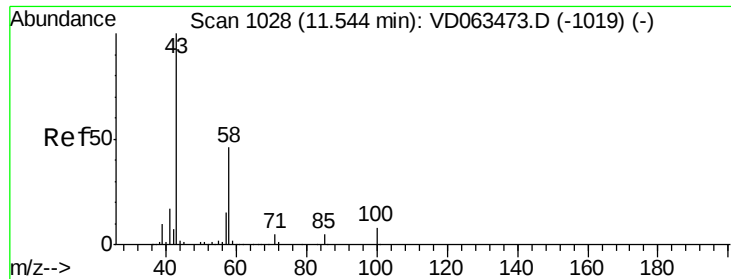
106 25.8 20.8 31.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

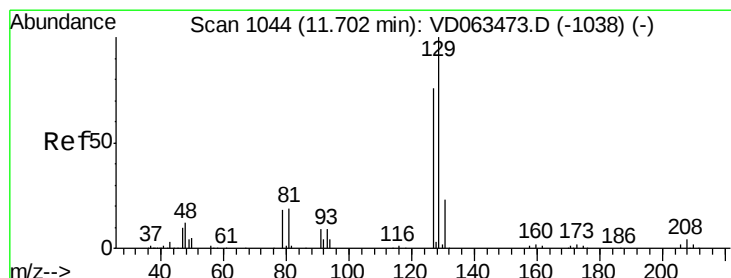
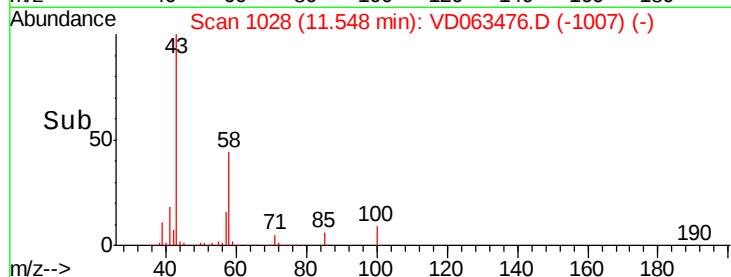
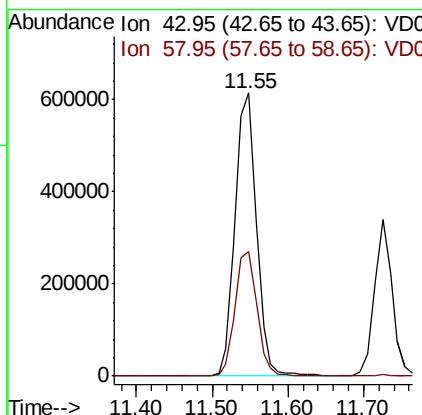
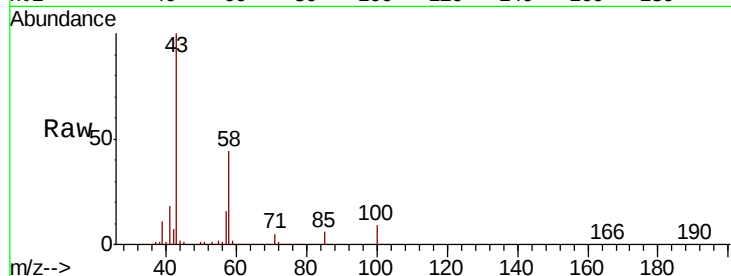




#59
2-Hexanone
Concen: 269.976 ug/l
RT: 11.55 min Scan# 1028
Delta R.T. 0.00 min
Lab File: VD063476.D
Acq: 9 Aug 2019 16:26

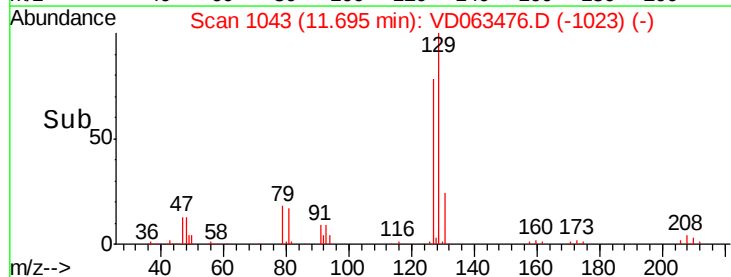
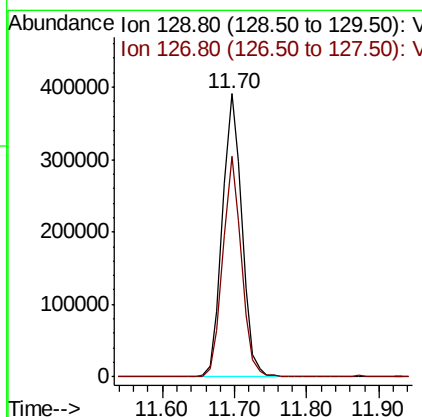
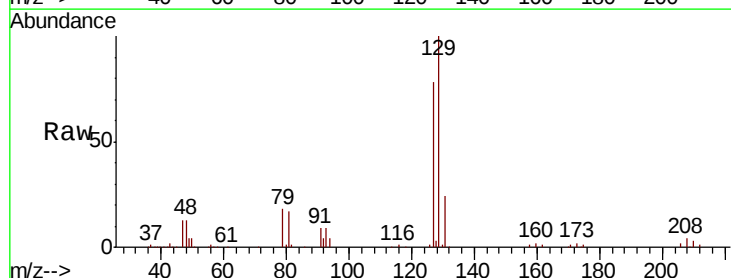
Instrument :
MSVOA_D
ClientSampleId :
ICVVD080919

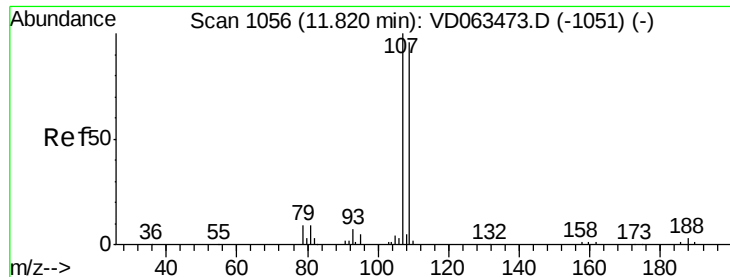
Tgt Ion: 43 Resp: 1200181
Ion Ratio Lower Upper
43 100
58 44.2 23.1 69.2



#60
Dibromochloromethane
Concen: 52.811 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VD063476.D
Acq: 9 Aug 2019 16:26

Tgt Ion: 129 Resp: 732023
Ion Ratio Lower Upper
129 100
127 78.1 37.8 113.4

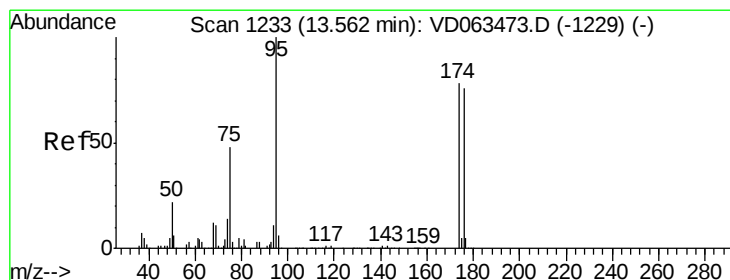
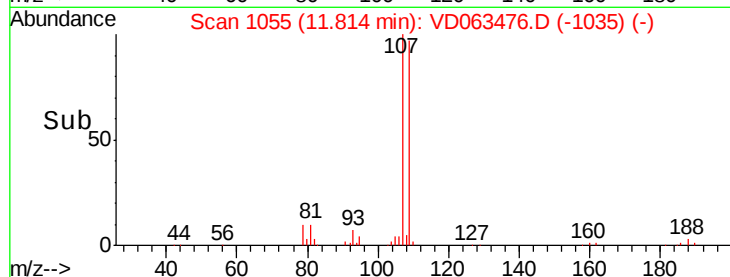
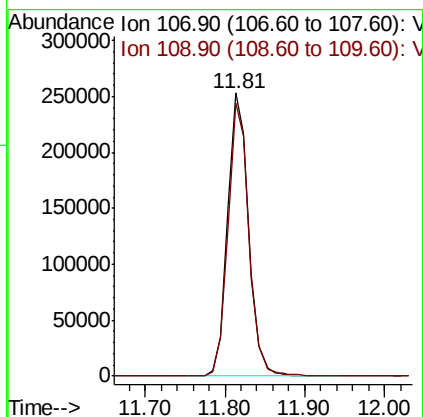
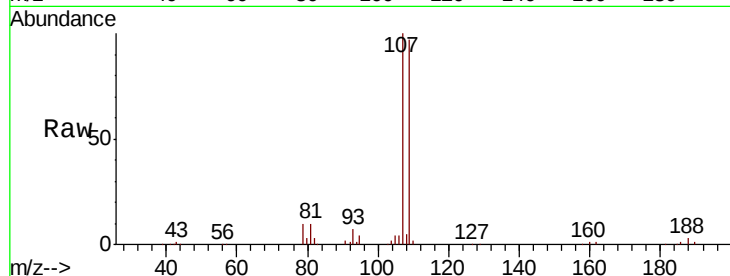




#61
 1,2-Dibromoethane
 Concen: 50.976 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: VD063476.D
 Acq: 9 Aug 2019 16:26

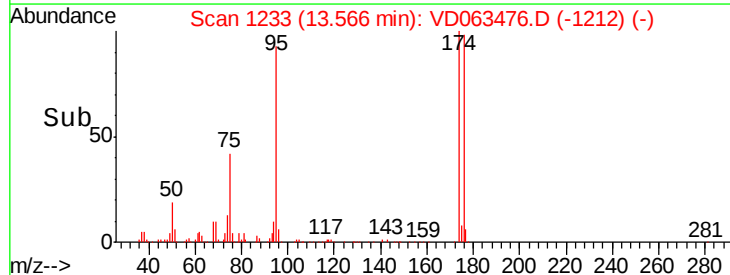
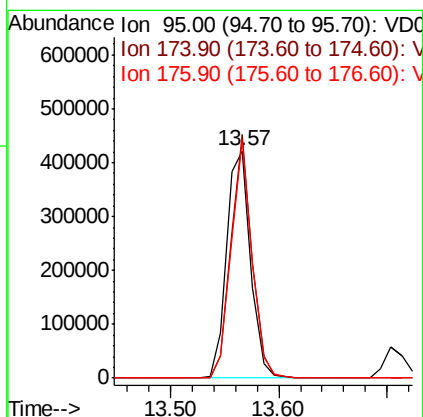
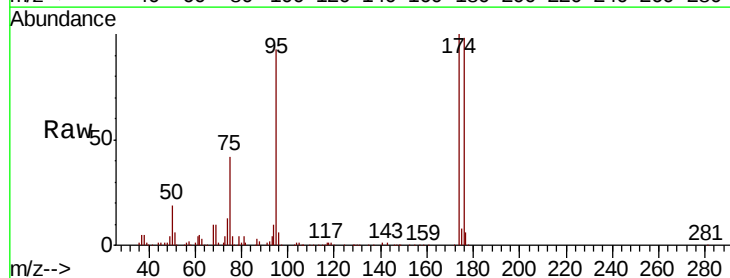
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD080919

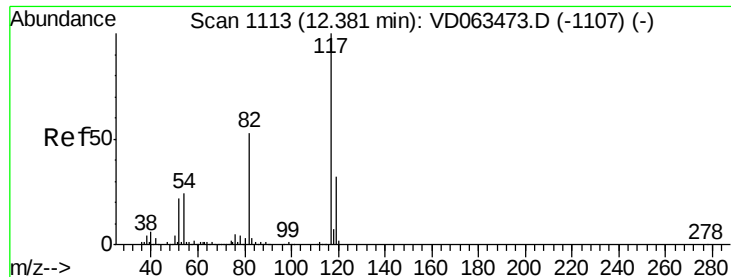
Tgt Ion: 107 Resp: 470077
 Ion Ratio Lower Upper
 107 100
 109 96.7 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 43.032 ug/l
 RT: 13.57 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD063476.D
 Acq: 9 Aug 2019 16:26

Tgt Ion: 95 Resp: 649932
 Ion Ratio Lower Upper
 95 100
 174 107.0 0.0 155.4
 176 104.6 0.0 152.4

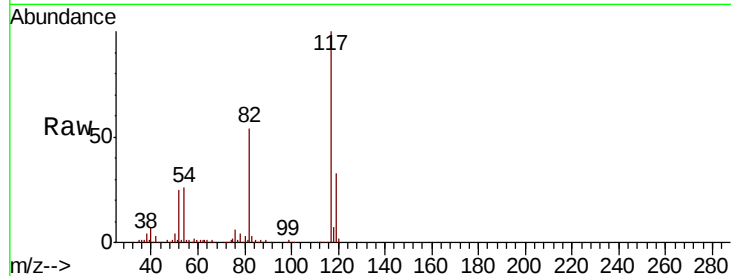




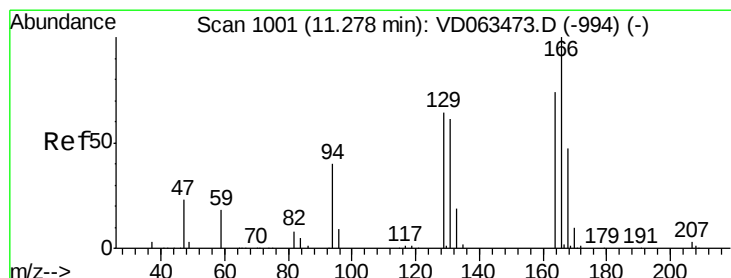
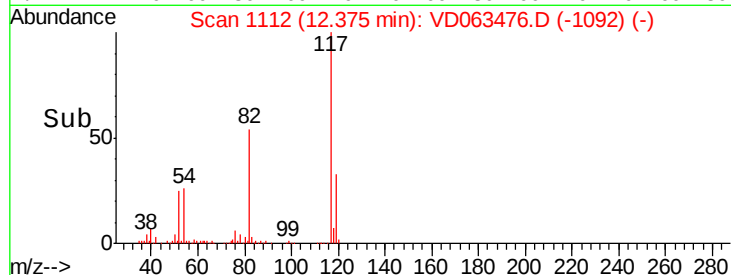
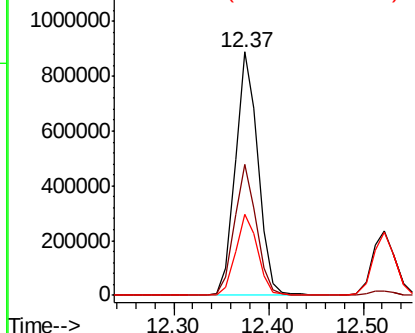
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063476.D
Acq: 9 Aug 2019 16:26

Instrument :
MSVOA_D
ClientSampleId :
ICVVD080919

Tgt Ion:117 Resp: 1469691
Ion Ratio Lower Upper
117 100
82 53.7 42.0 63.0
119 33.1 25.4 38.0

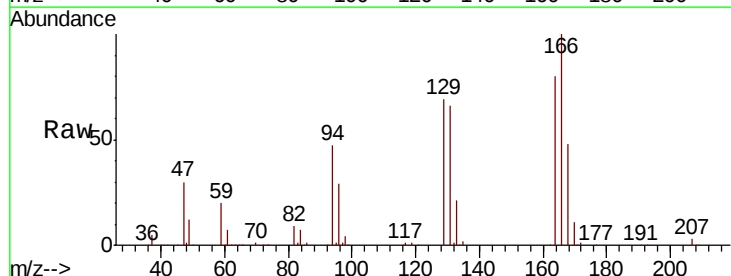


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

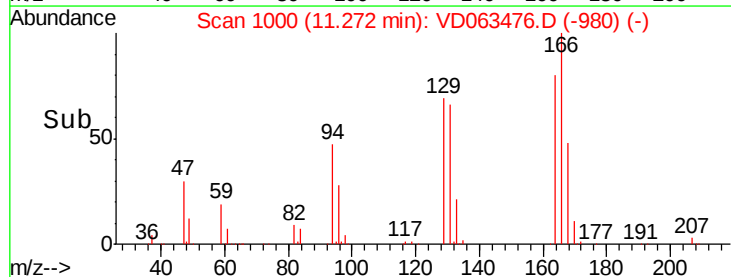
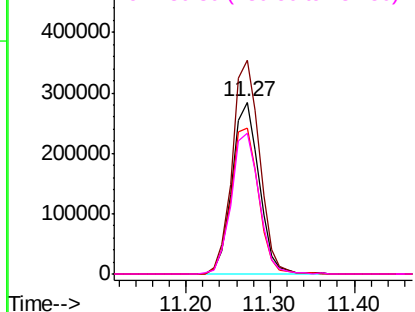


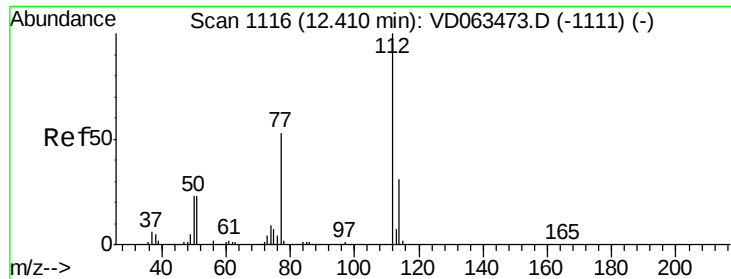
#64
Tetrachloroethene
Concen: 56.029 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. -0.01 min
Lab File: VD063476.D
Acq: 9 Aug 2019 16:26

Tgt Ion:164 Resp: 635683
Ion Ratio Lower Upper
164 100
166 124.3 108.6 163.0
129 85.2 69.0 103.6
131 82.3 66.6 99.8



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

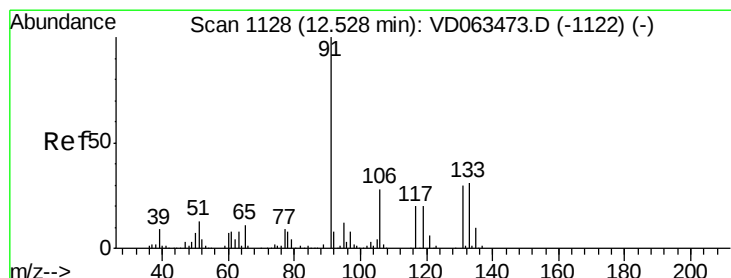
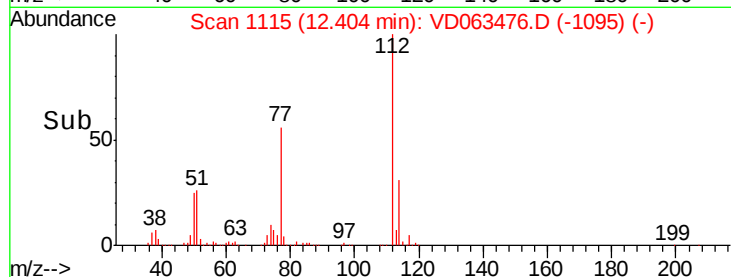
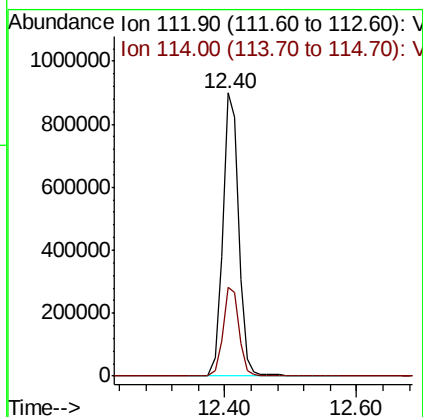
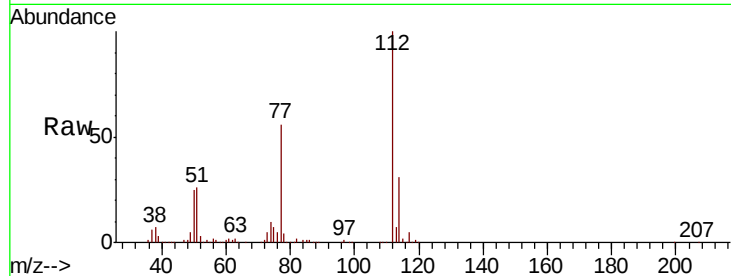




#65
Chlorobenzene
Concen: 55.072 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.01 min
Lab File: VD063476.D
Acq: 9 Aug 2019 16:26

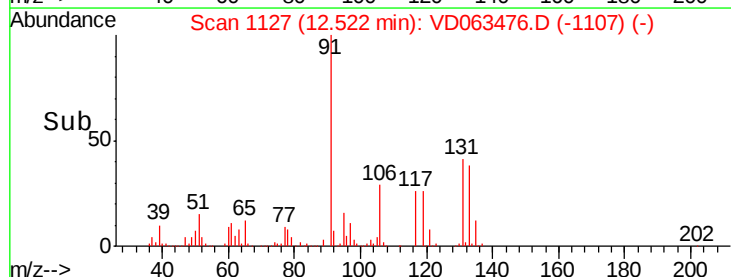
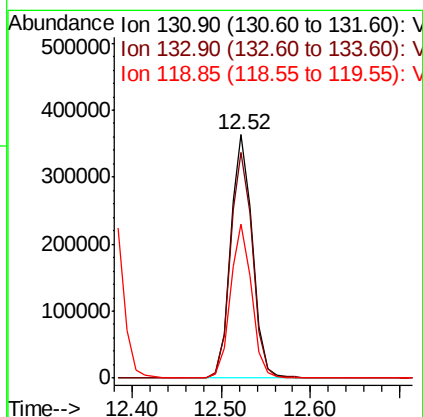
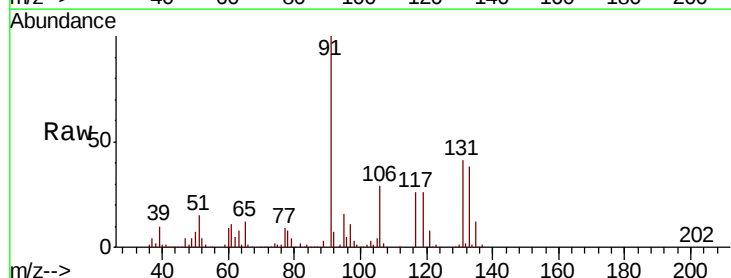
Instrument :
MSVOA_D
ClientSampleId :
ICVVD080919

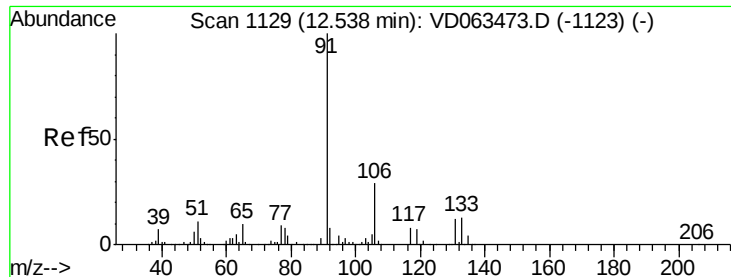
Tgt Ion:112 Resp: 1516993
Ion Ratio Lower Upper
112 100
114 31.2 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 51.539 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063476.D
Acq: 9 Aug 2019 16:26

Tgt Ion:131 Resp: 624794
Ion Ratio Lower Upper
131 100
133 92.6 51.1 153.3
119 63.3 33.1 99.3

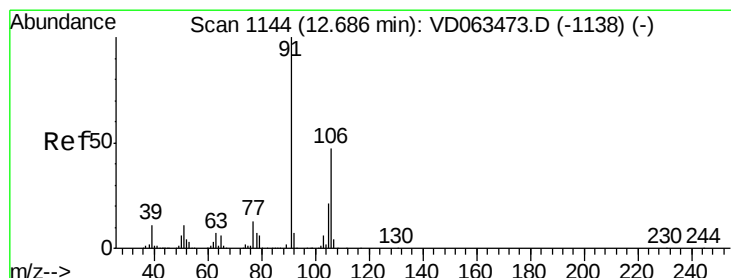
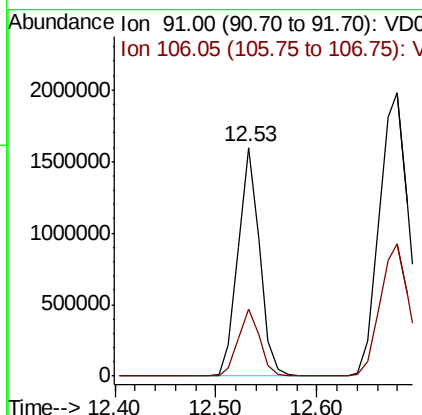
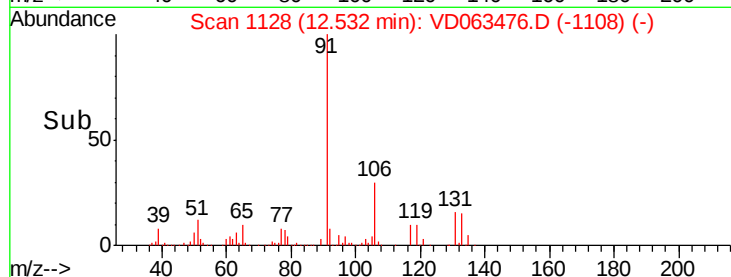
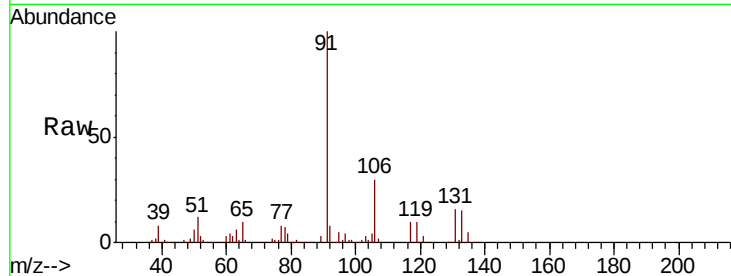




#67
Ethyl Benzene
Concen: 49.545 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD063476.D
Acq: 9 Aug 2019 16:26

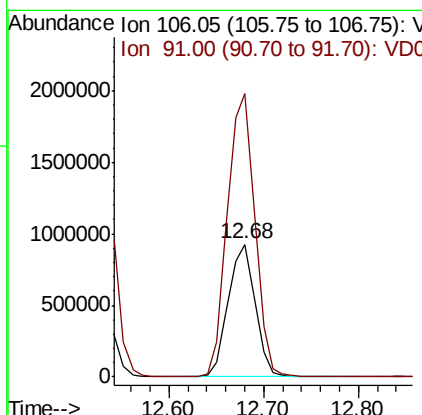
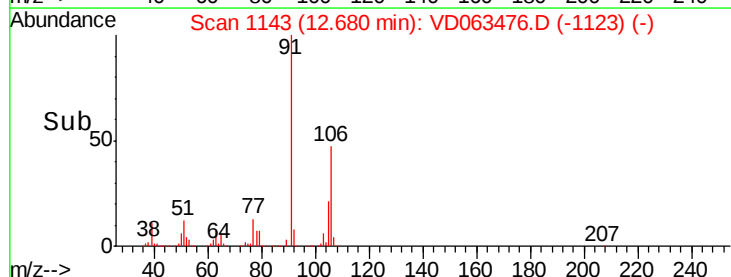
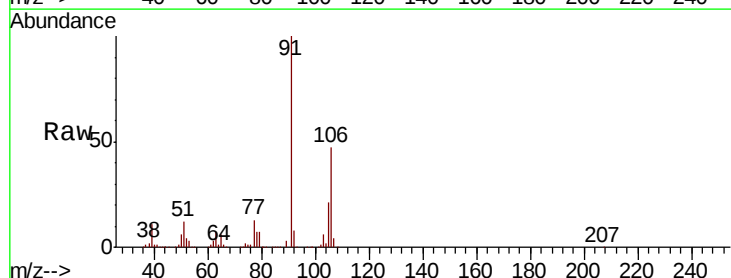
Instrument :
MSVOA_D
ClientSampleId :
ICVVD080919

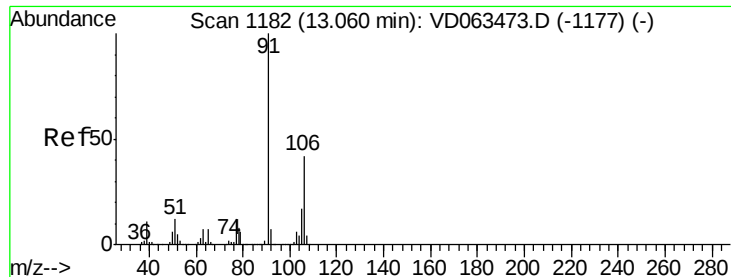
Tgt Ion: 91 Resp: 2372937
Ion Ratio Lower Upper
91 100
106 29.6 23.1 34.7



#68
m/p-Xylenes
Concen: 108.145 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VD063476.D
Acq: 9 Aug 2019 16:26

Tgt Ion: 106 Resp: 1819755
Ion Ratio Lower Upper
106 100
91 213.3 171.8 257.8

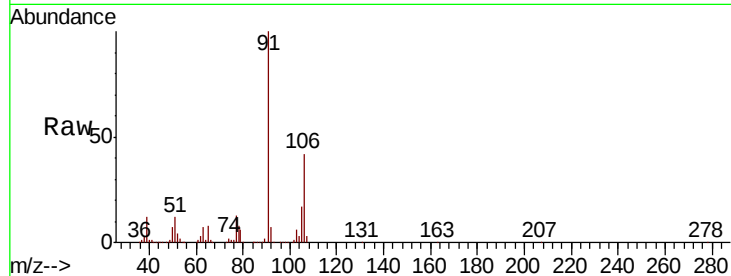




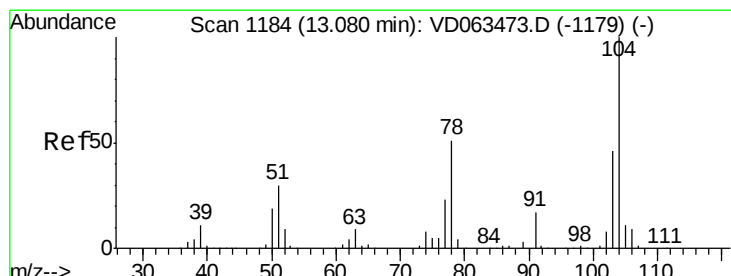
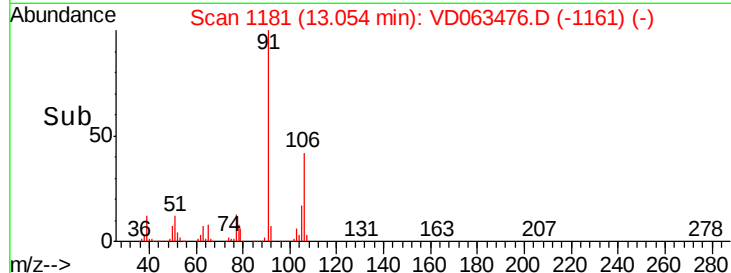
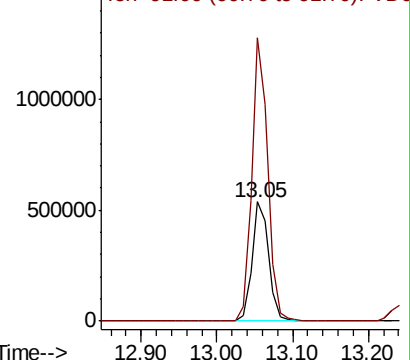
#69
o-Xylene
Concen: 51.118 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD063476.D
Acq: 9 Aug 2019 16:26

Instrument :
MSVOA_D
ClientSampleId :
ICVVD080919

Tgt Ion:106 Resp: 827870
Ion Ratio Lower Upper
106 100
91 237.2 118.1 354.2

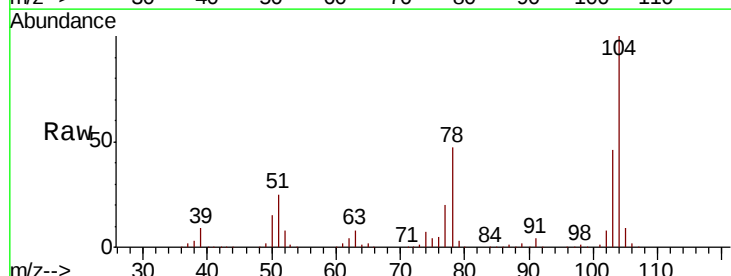


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

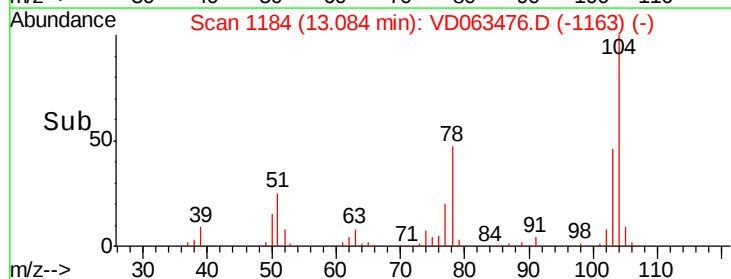
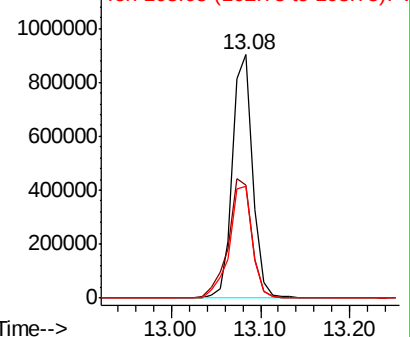


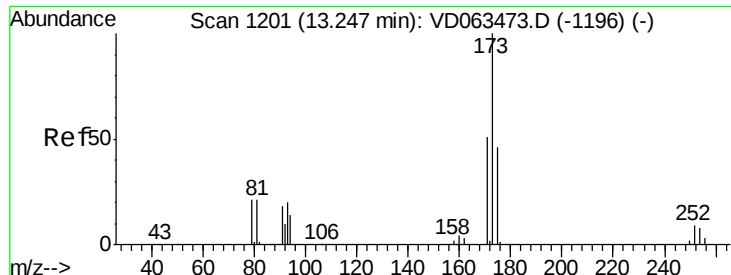
#70
Styrene
Concen: 48.913 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD063476.D
Acq: 9 Aug 2019 16:26

Tgt Ion:104 Resp: 1409103
Ion Ratio Lower Upper
104 100
78 46.6 40.8 61.2
103 45.9 36.4 54.6



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

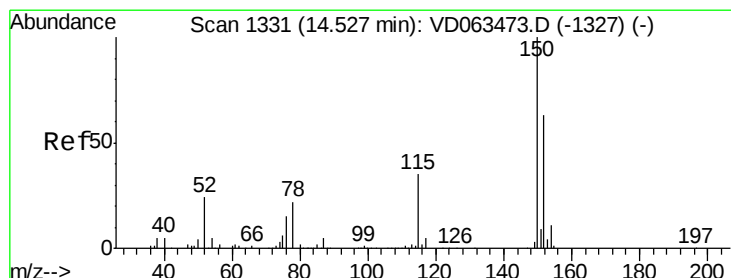
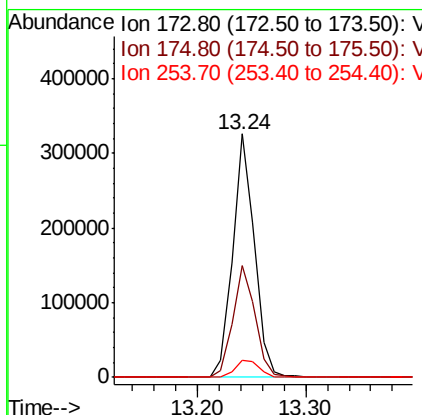
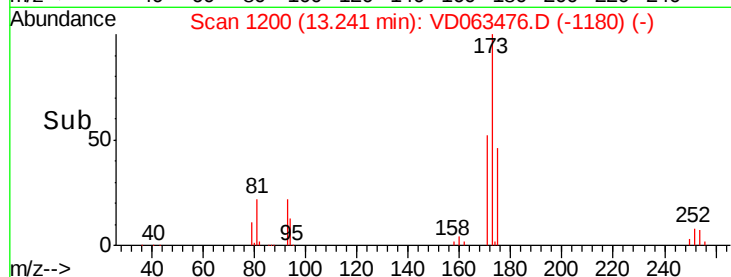
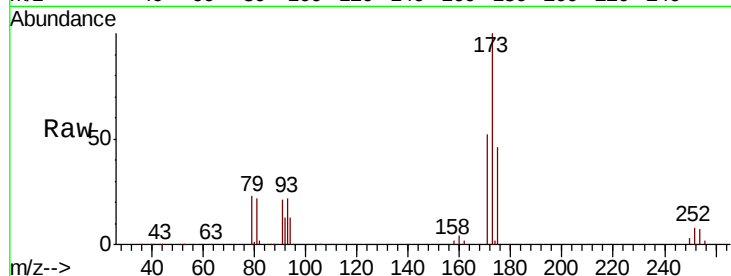




#71
Bromoform
Concen: 54.578 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VD063476.D
Acq: 9 Aug 2019 16:26

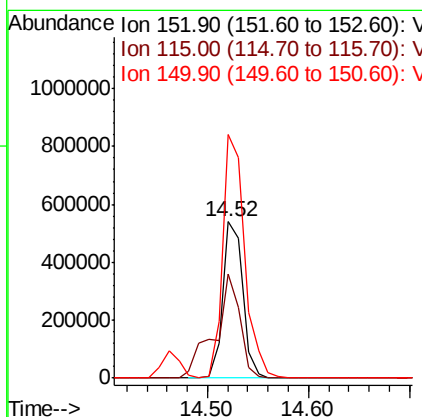
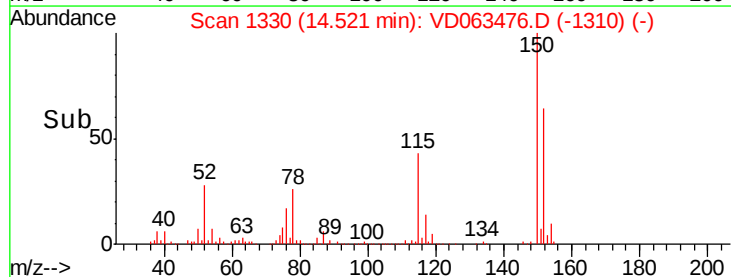
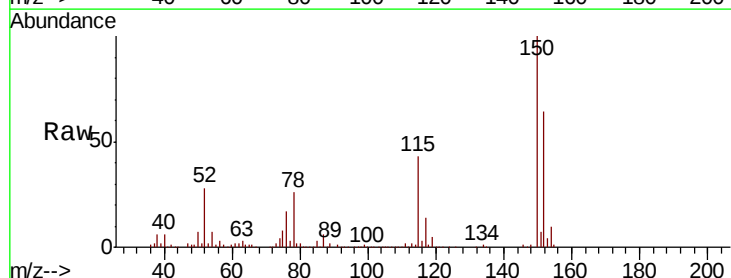
Instrument :
MSVOA_D
ClientSampleId :
ICVVD080919

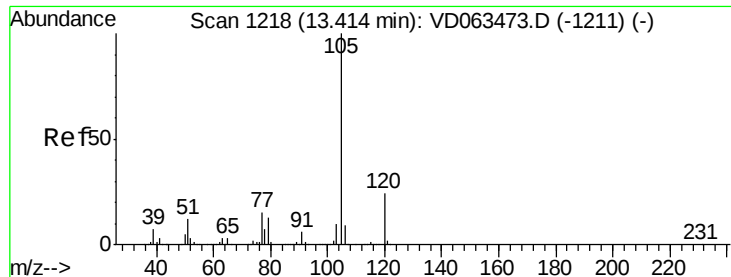
Tgt Ion:173 Resp: 453679
Ion Ratio Lower Upper
173 100
175 45.8 22.8 68.3
254 7.2 6.6 9.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063476.D
Acq: 9 Aug 2019 16:26

Tgt Ion:152 Resp: 745964
Ion Ratio Lower Upper
152 100
115 66.3 30.9 92.7
150 155.7 0.0 318.6





#73

Isopropylbenzene

Concen: 51.939 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

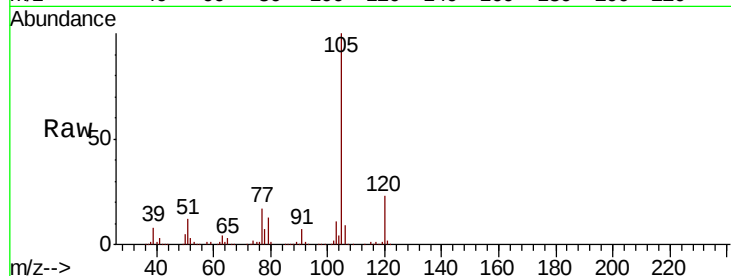
ICVVD080919

Tgt Ion:105 Resp: 2464382

Ion Ratio Lower Upper

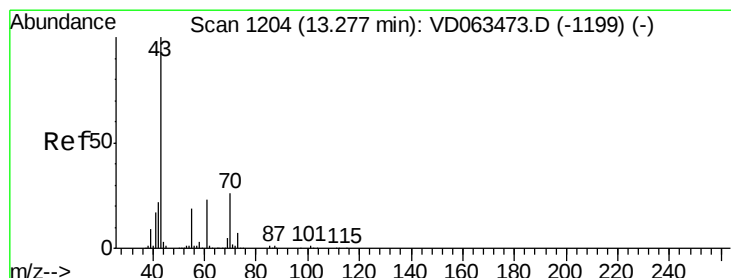
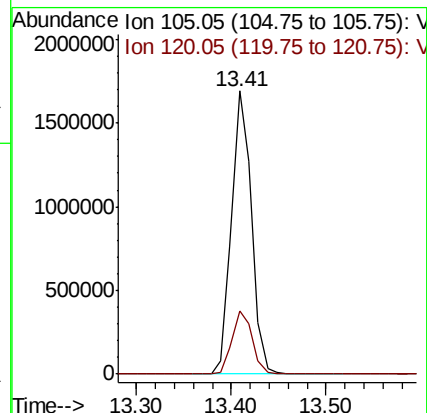
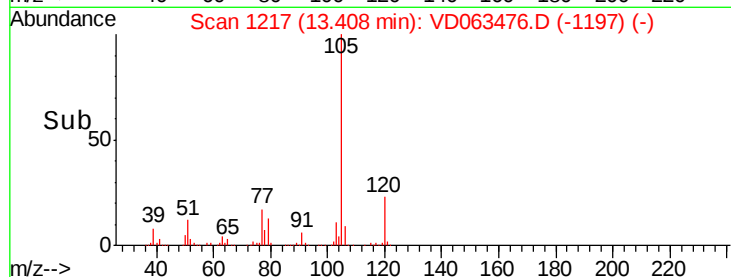
105 100

120 22.6 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 54.577 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

Tgt Ion: 43 Resp: 650054

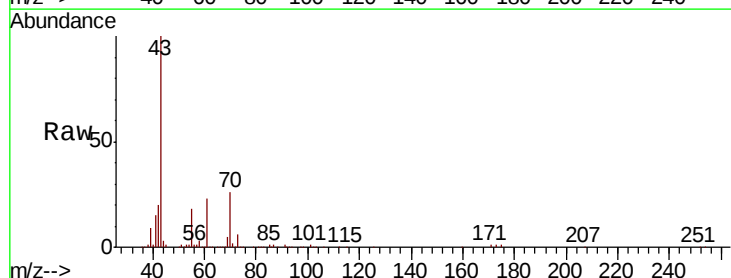
Ion Ratio Lower Upper

43 100

70 25.8 21.1 31.7

55 17.7 15.4 23.0

61 22.7 18.2 27.2

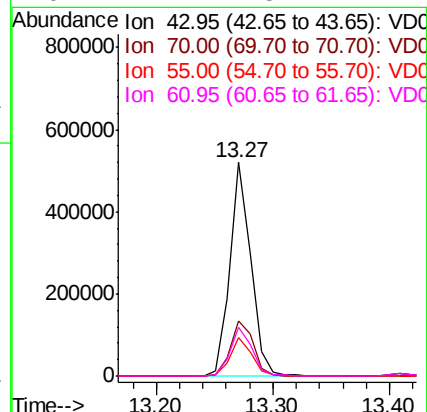
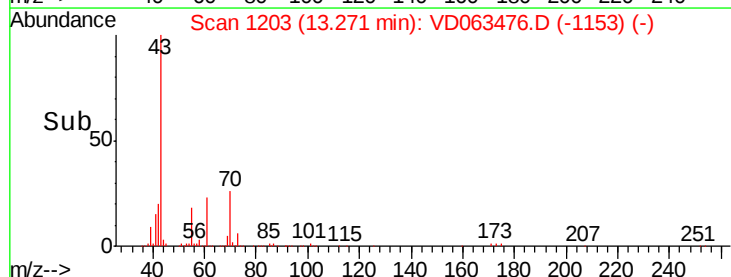


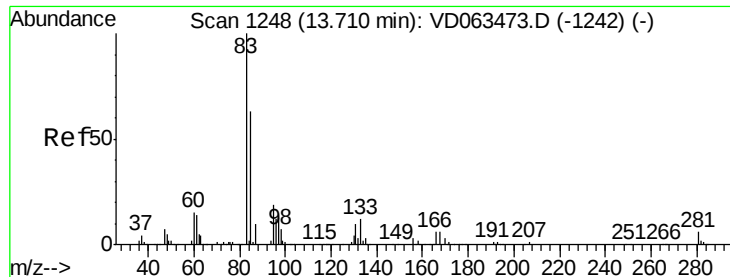
Abundance Ion 42.95 (42.65 to 43.65): V

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: 54.618 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD080919

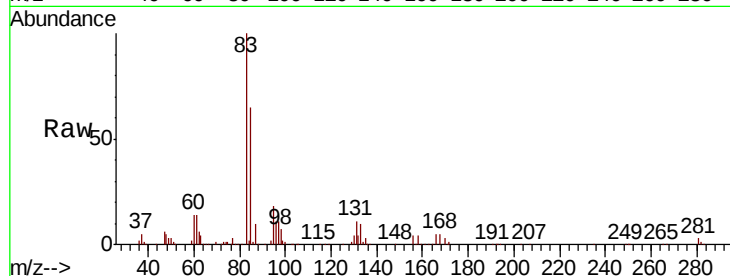
Tgt Ion: 83 Resp: 430136

Ion Ratio Lower Upper

83 100

131 10.6 5.3 15.8

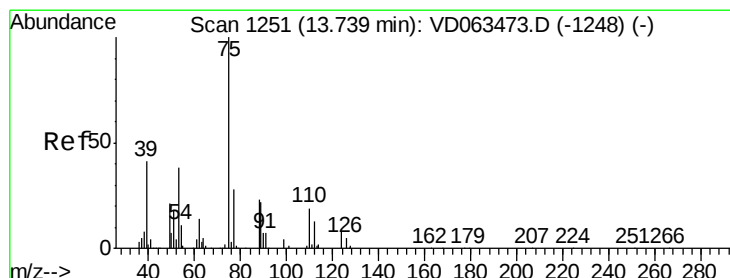
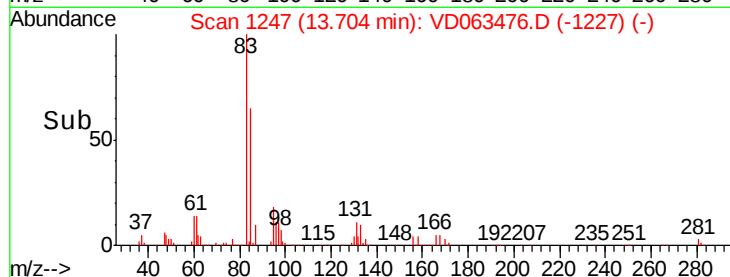
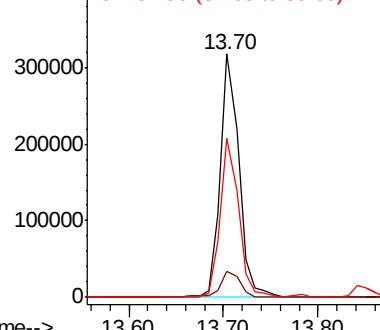
85 65.3 31.4 94.3



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: 55.179 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD063476.D

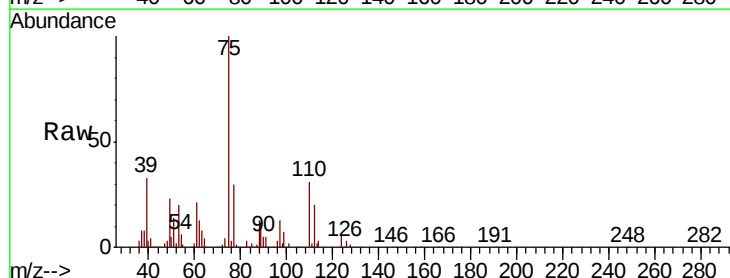
Acq: 9 Aug 2019 16:26

Tgt Ion: 75 Resp: 472398

Ion Ratio Lower Upper

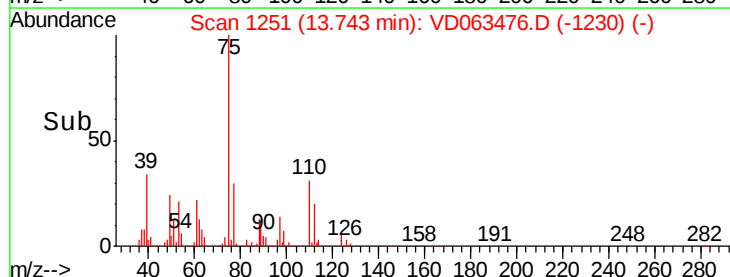
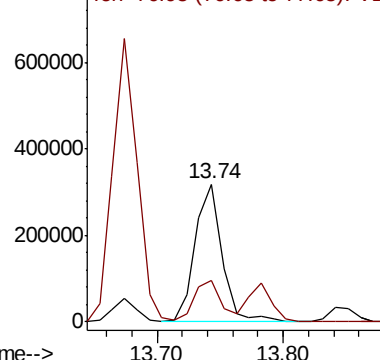
75 100

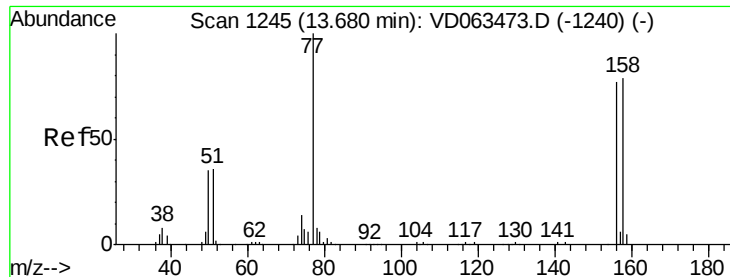
77 29.8 15.1 45.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 53.894 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD080919

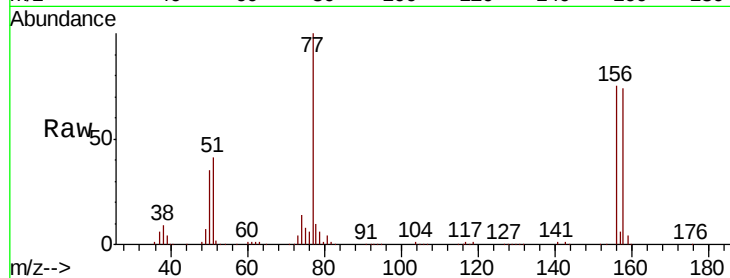
Tgt Ion:156 Resp: 698873

Ion Ratio Lower Upper

156 100

77 134.1 64.6 193.8

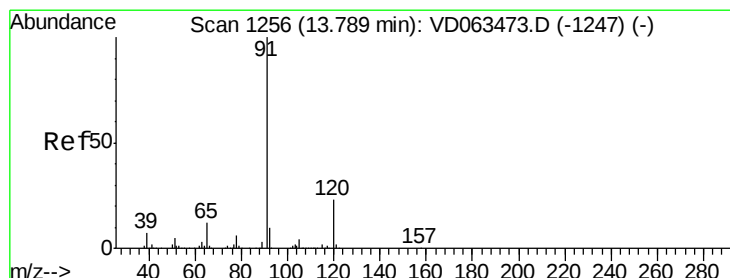
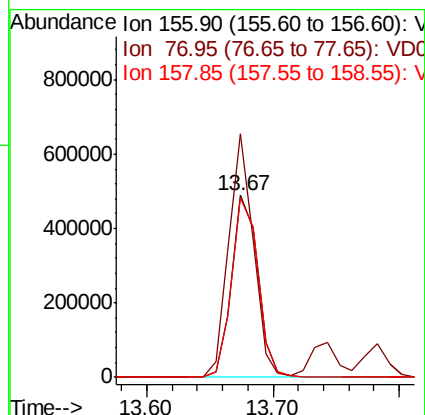
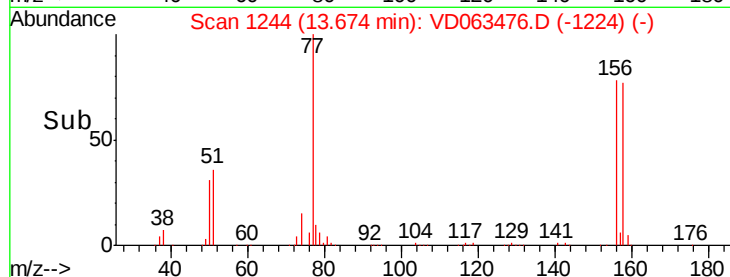
158 98.8 50.9 152.7



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: 51.846 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VD063476.D

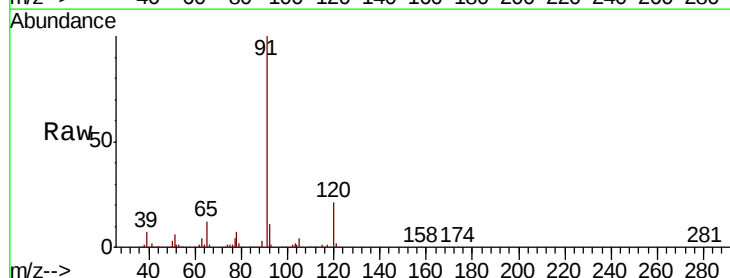
Acq: 9 Aug 2019 16:26

Tgt Ion: 91 Resp: 2878253

Ion Ratio Lower Upper

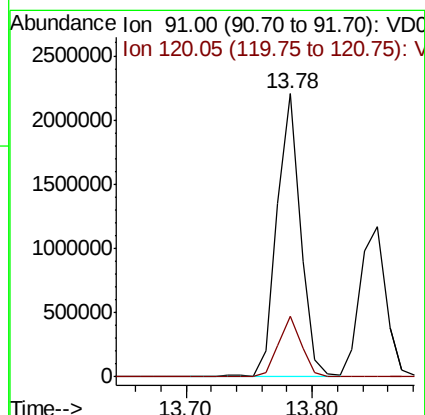
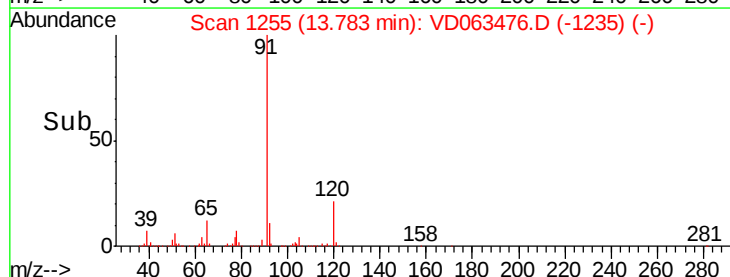
91 100

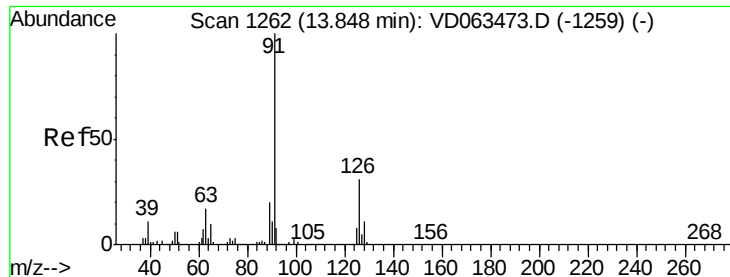
120 21.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

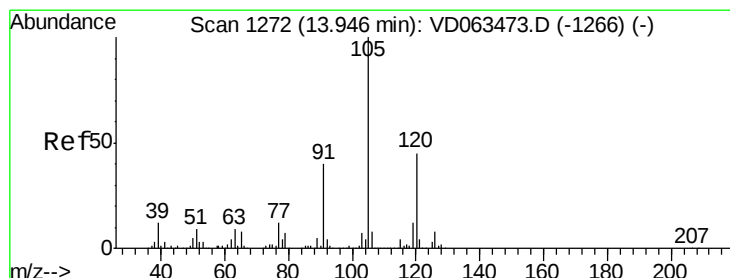
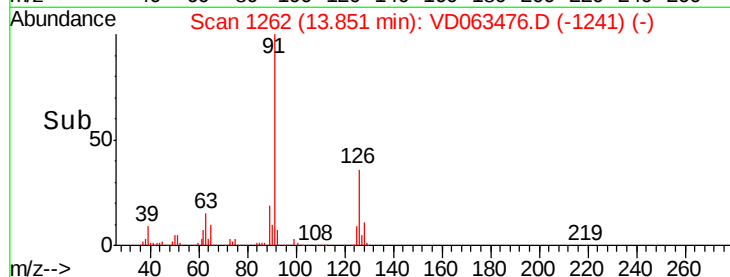
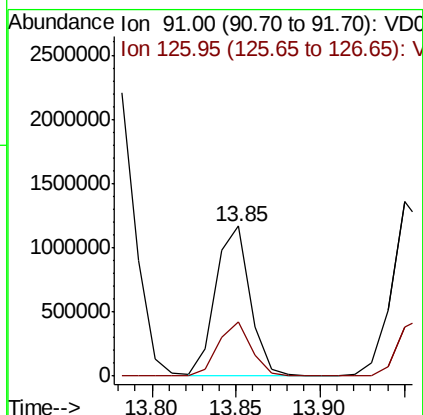
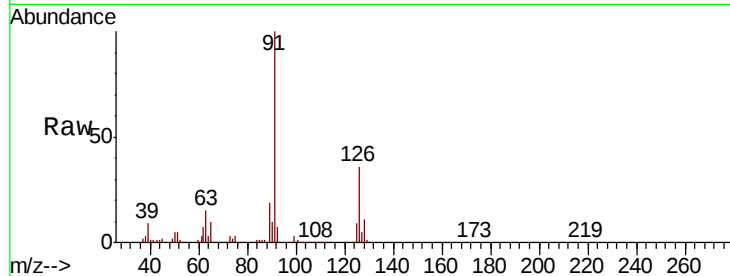




#79
 2-Chlorotoluene
 Concen: 51.896 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VD063476.D
 Acq: 9 Aug 2019 16:26

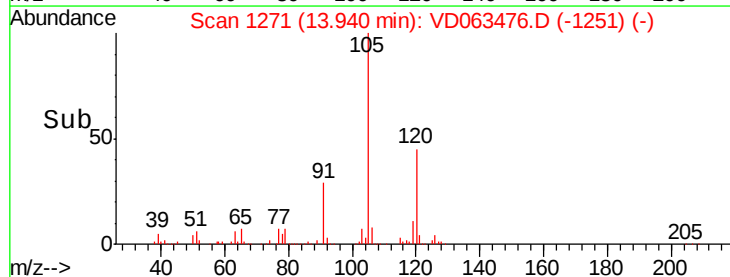
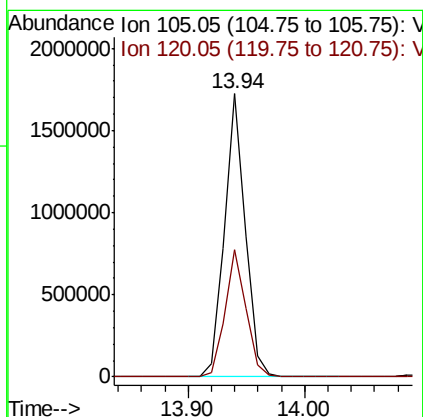
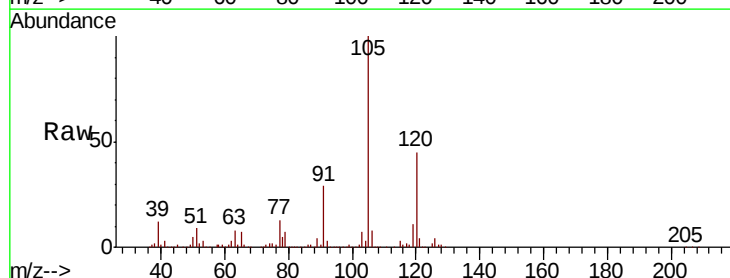
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD080919

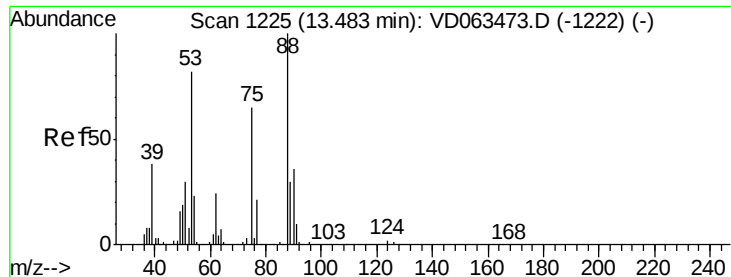
Tgt Ion: 91 Resp: 1661128
 Ion Ratio Lower Upper
 91 100
 126 36.2 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 51.298 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VD063476.D
 Acq: 9 Aug 2019 16:26

Tgt Ion: 105 Resp: 2126639
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.8 68.3





#81

trans-1,4-Dichloro-2-butene

Concen: 54.563 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD080919

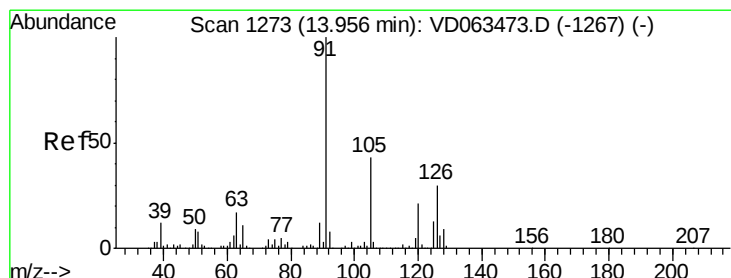
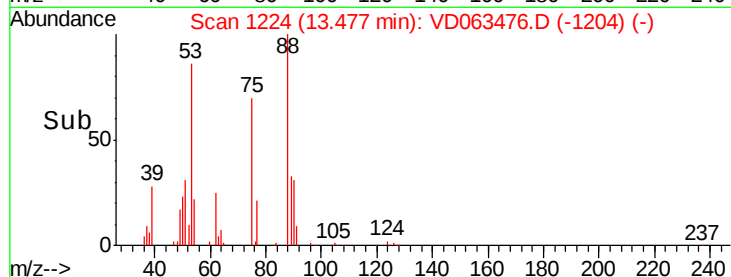
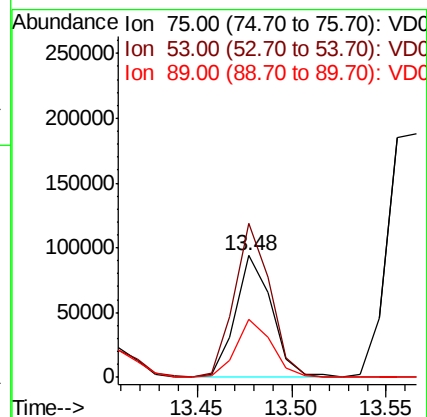
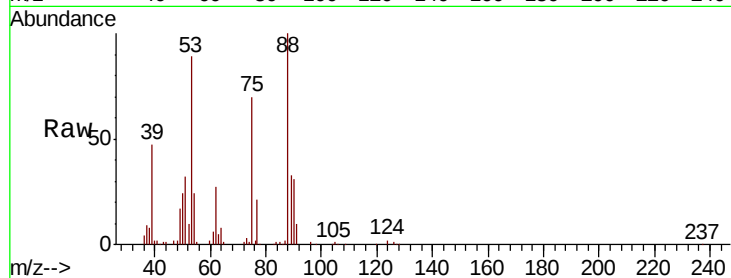
Tgt Ion: 75 Resp: 125551

Ion Ratio Lower Upper

75 100

53 126.7 101.0 151.4

89 47.3 37.0 55.6



#82

4-Chlorotoluene

Concen: 53.898 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VD063476.D

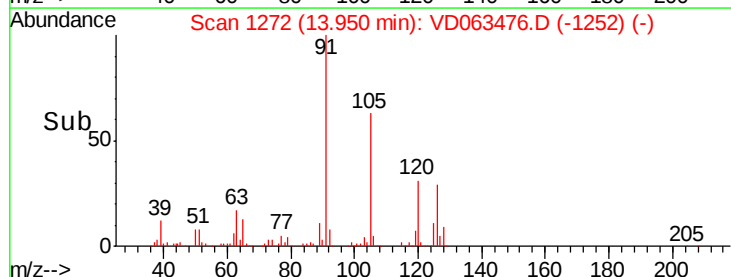
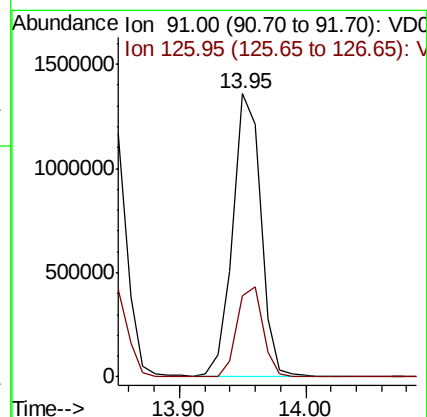
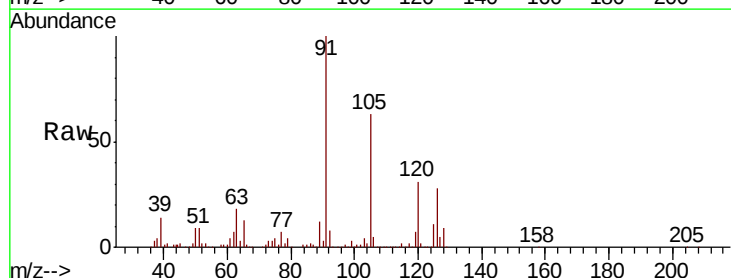
Acq: 9 Aug 2019 16:26

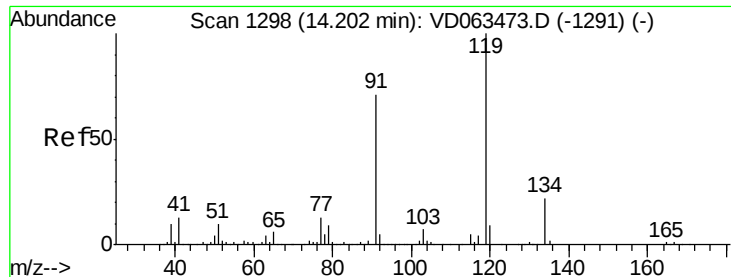
Tgt Ion: 91 Resp: 2074570

Ion Ratio Lower Upper

91 100

126 28.5 15.2 45.6

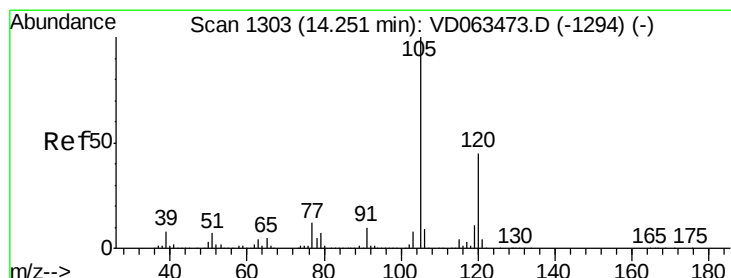
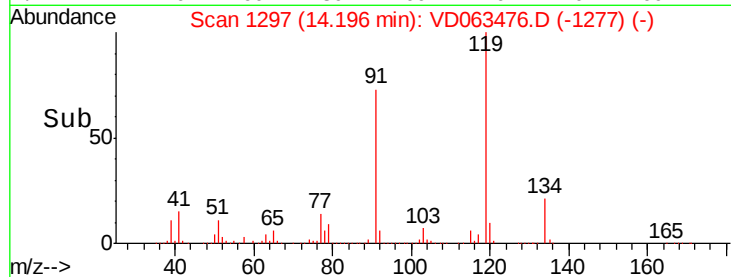
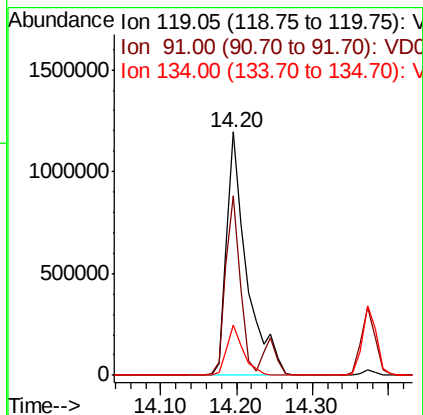
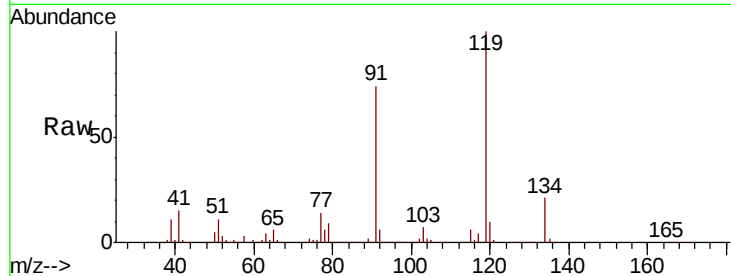




#83
 tert-Butylbenzene
 Concen: 50.546 ug/l
 RT: 14.20 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: VD063476.D
 Acq: 9 Aug 2019 16:26

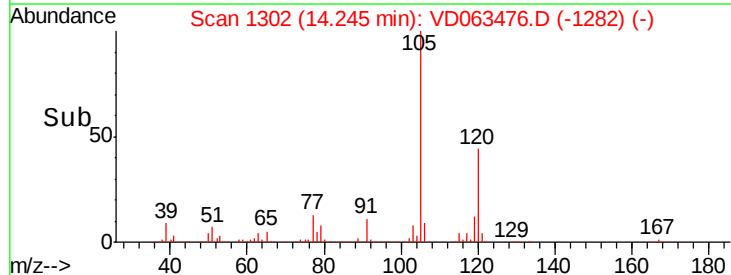
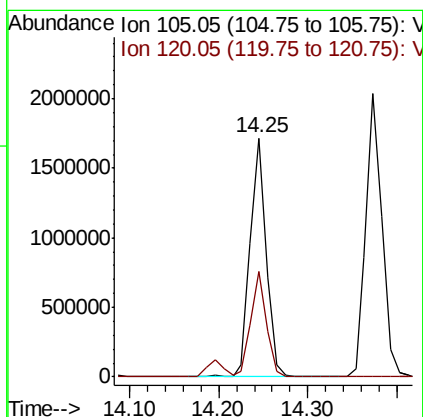
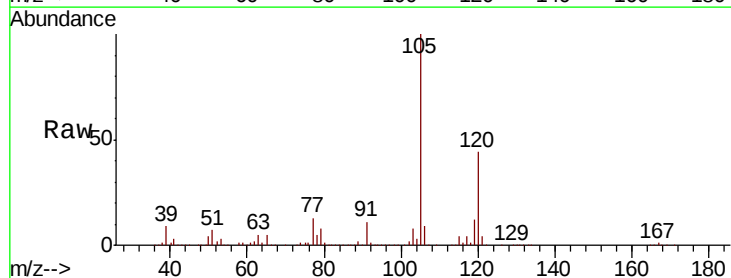
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD080919

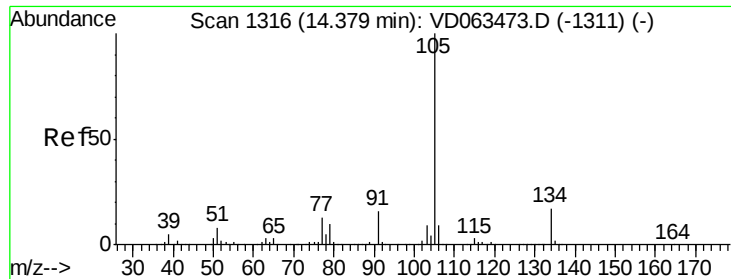
Tgt Ion:119 Resp: 2206602
 Ion Ratio Lower Upper
 119 100
 91 73.5 35.5 106.7
 134 20.5 11.1 33.1



#84
 1,2,4-Trimethylbenzene
 Concen: 55.630 ug/l
 RT: 14.25 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: VD063476.D
 Acq: 9 Aug 2019 16:26

Tgt Ion:105 Resp: 2133885
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.7 68.1

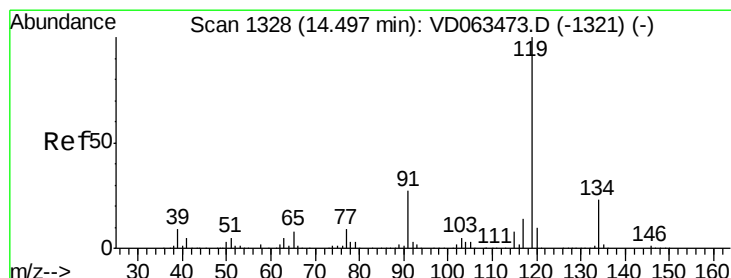
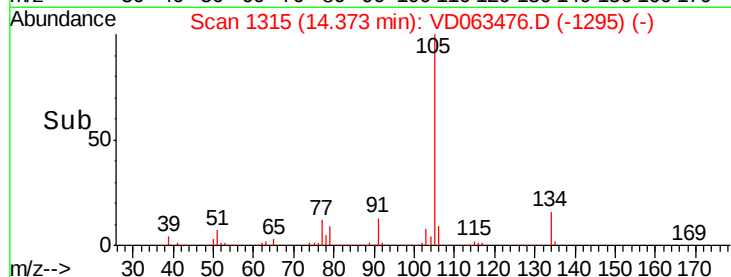
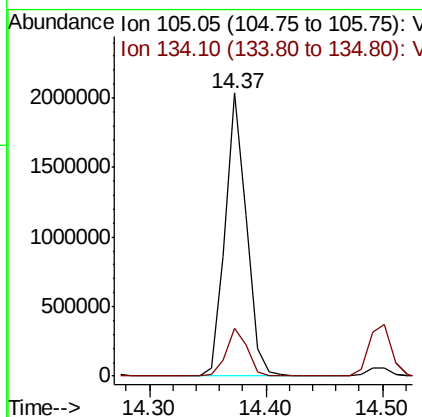
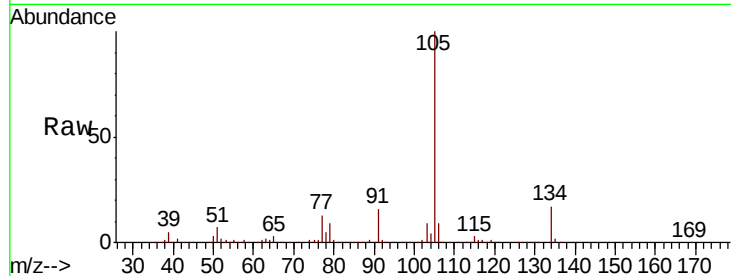




#85
 sec-Butylbenzene
 Concen: 55.394 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VD063476.D
 Acq: 9 Aug 2019 16:26

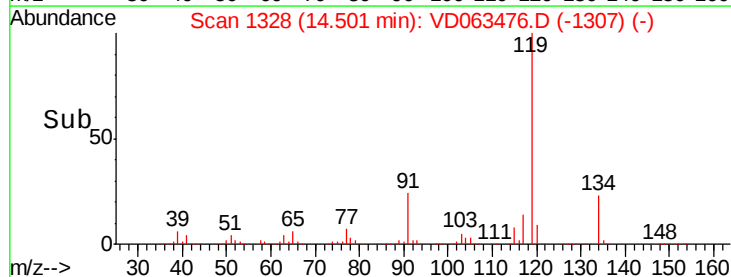
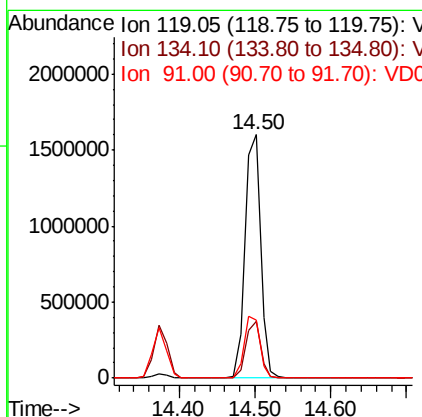
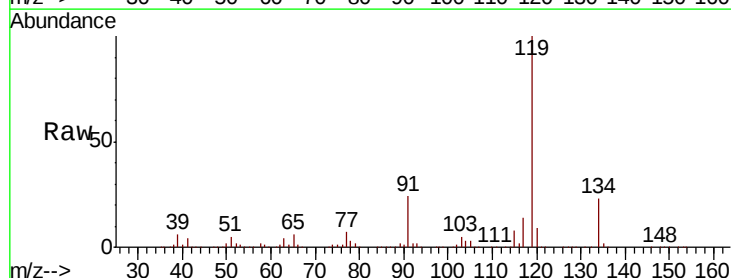
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD080919

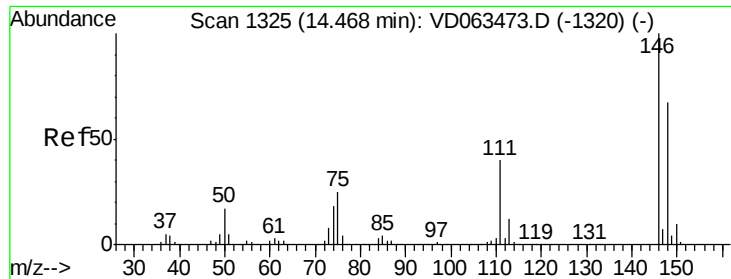
Tgt Ion:105 Resp: 2568117
 Ion Ratio Lower Upper
 105 100
 134 16.9 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 51.087 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD063476.D
 Acq: 9 Aug 2019 16:26

Tgt Ion:119 Resp: 2264562
 Ion Ratio Lower Upper
 119 100
 134 23.3 11.3 33.8
 91 24.0 13.5 40.4





#87

1,3-Dichlorobenzene

Concen: 53.922 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. -0.01 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD080919

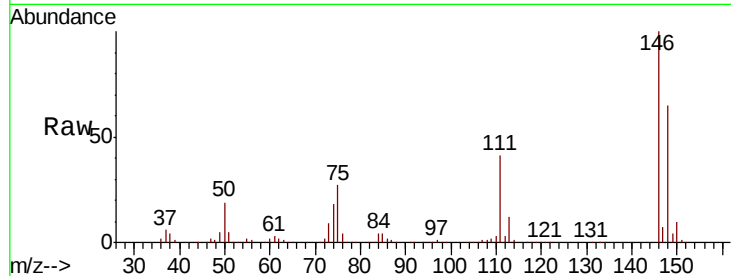
Tgt Ion:146 Resp: 1264790

Ion Ratio Lower Upper

146 100

111 40.6 20.0 60.0

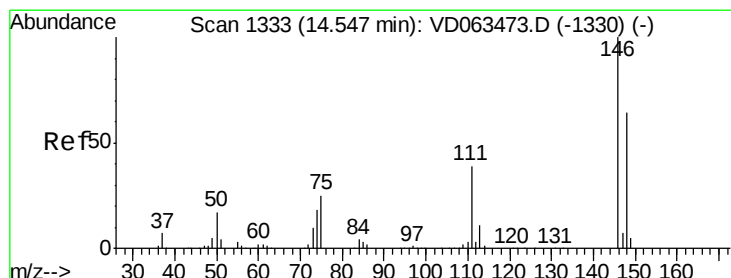
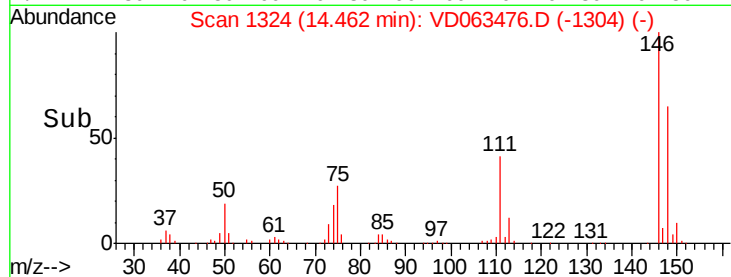
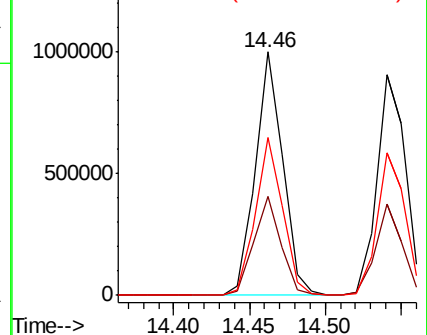
148 64.8 33.6 100.6



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: 53.332 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. -0.01 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

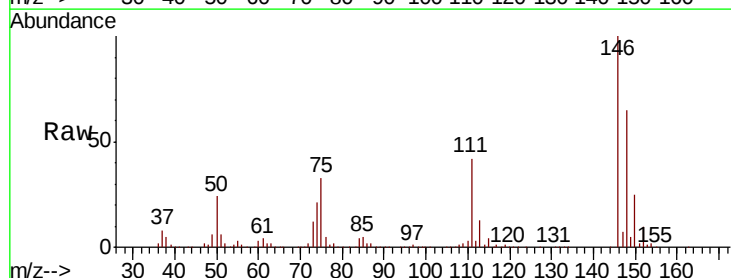
Tgt Ion:146 Resp: 1200176

Ion Ratio Lower Upper

146 100

111 41.5 19.7 59.0

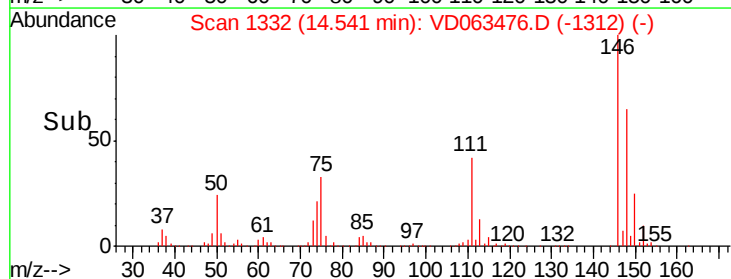
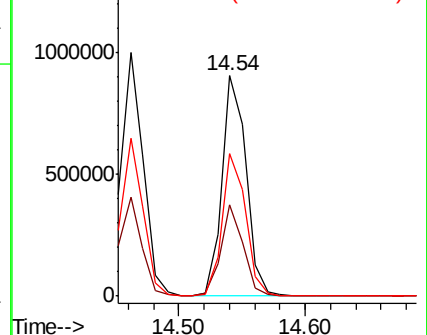
148 64.9 32.1 96.3

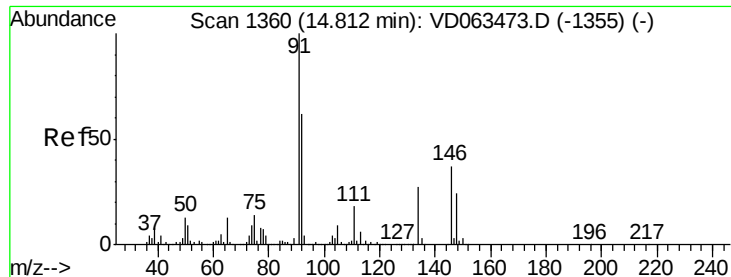


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 53.509 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD063476.D

Acq: 9 Aug 2019 16:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD080919

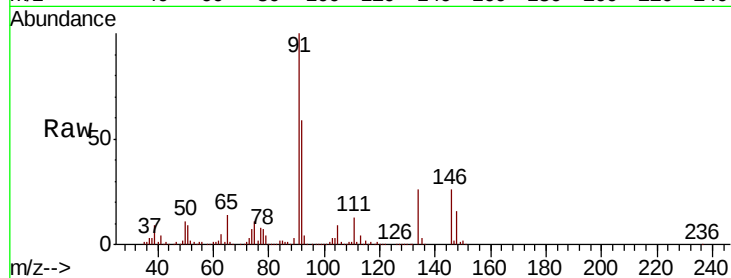
Tgt Ion: 91 Resp: 2164838

Ion Ratio Lower Upper

91 100

92 59.0 30.8 92.3

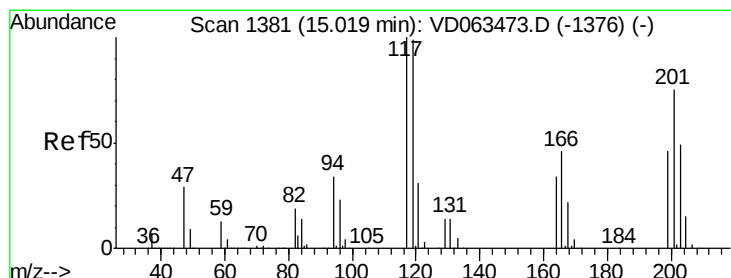
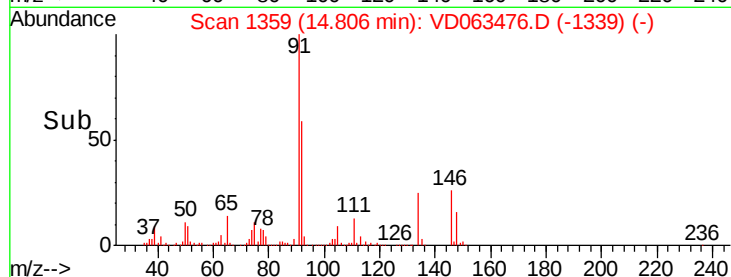
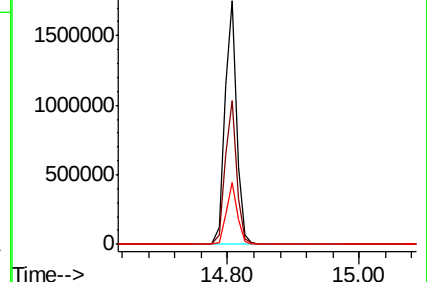
134 25.5 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 58.459 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD063476.D

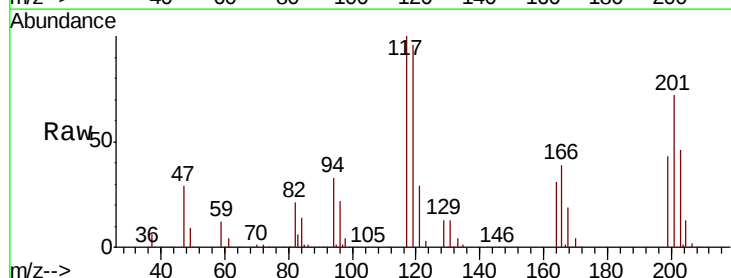
Acq: 9 Aug 2019 16:26

Tgt Ion: 117 Resp: 651338

Ion Ratio Lower Upper

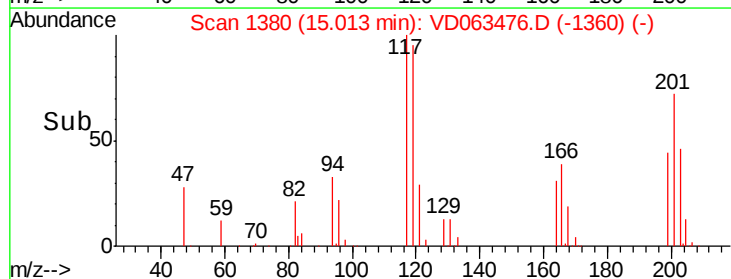
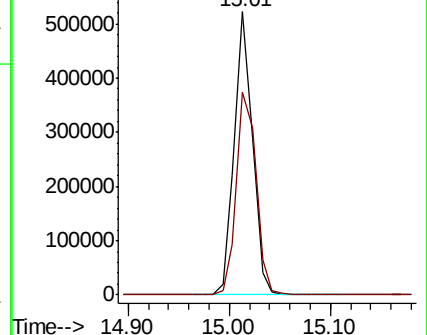
117 100

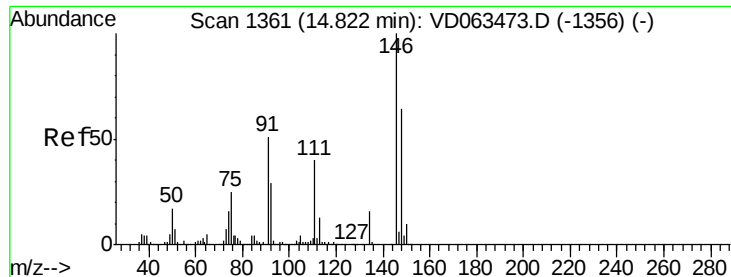
201 71.7 37.5 112.5



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

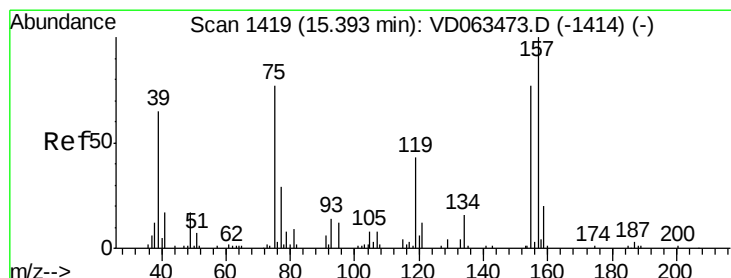
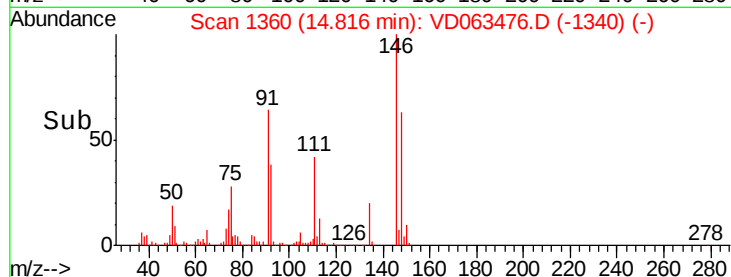
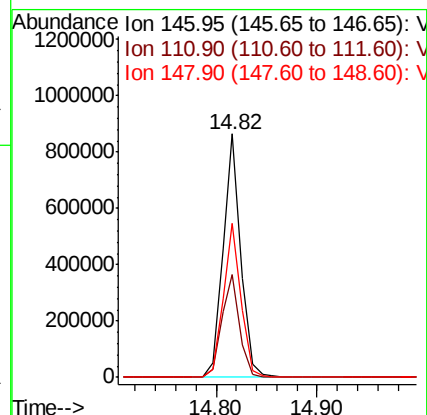
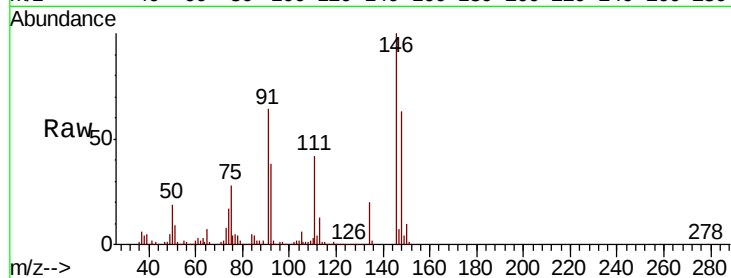




#91
 1,2-Dichlorobenzene
 Concen: 53.046 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: VD063476.D
 Acq: 9 Aug 2019 16:26

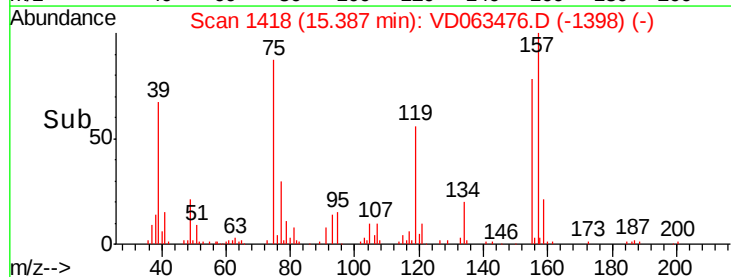
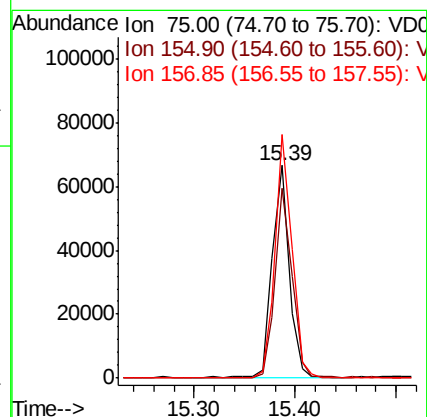
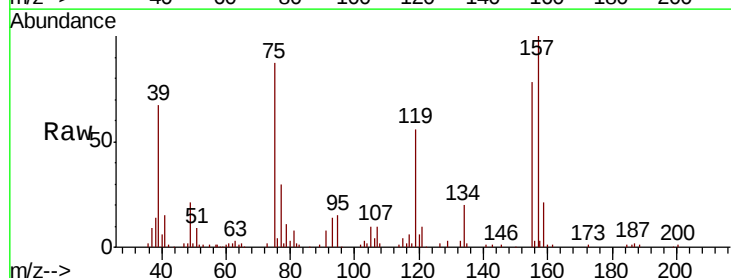
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD080919

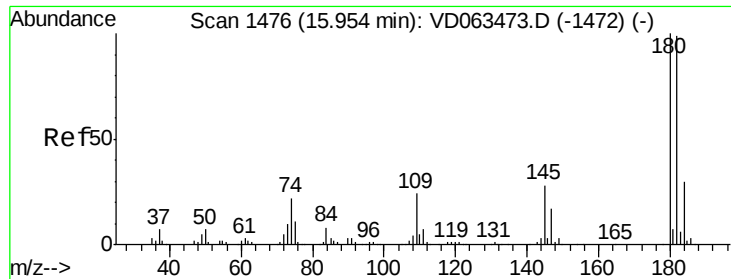
Tgt Ion:146 Resp: 1055650
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.2 60.6
 148 63.3 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.822 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: VD063476.D
 Acq: 9 Aug 2019 16:26

Tgt Ion: 75 Resp: 78329
 Ion Ratio Lower Upper
 75 100
 155 89.5 50.1 150.3
 157 114.6 65.0 195.1

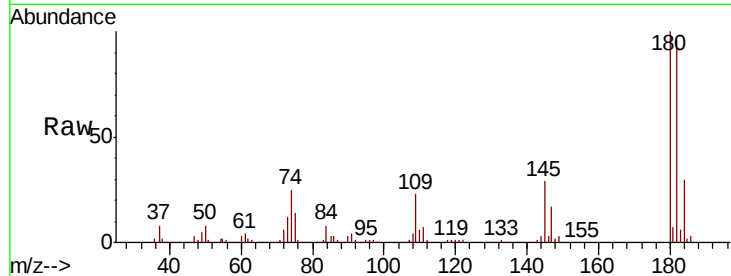




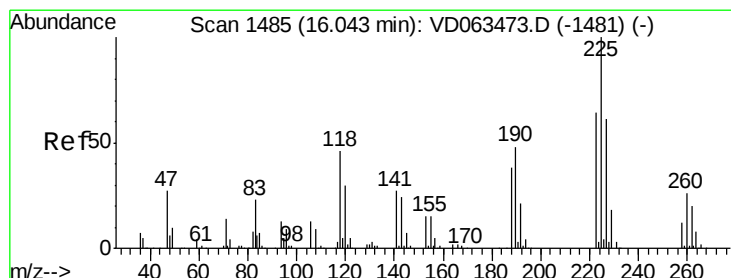
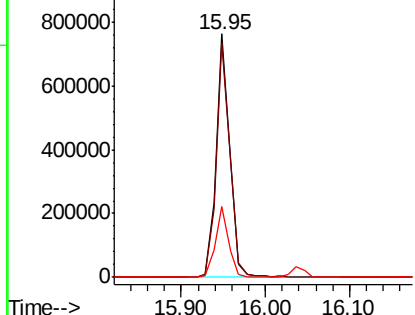
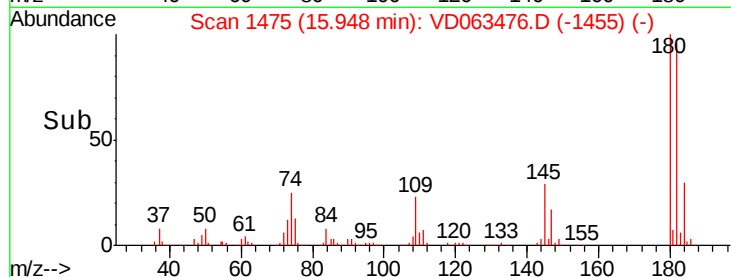
#93
 1,2,4-Trichlorobenzene
 Concen: 58.533 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD063476.D
 Acq: 9 Aug 2019 16:26

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD080919

Tgt Ion:180 Resp: 857125
 Ion Ratio Lower Upper
 180 100
 182 96.2 49.7 149.1
 145 28.9 14.1 42.2

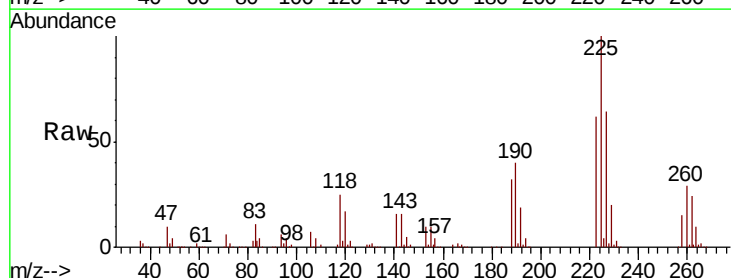


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

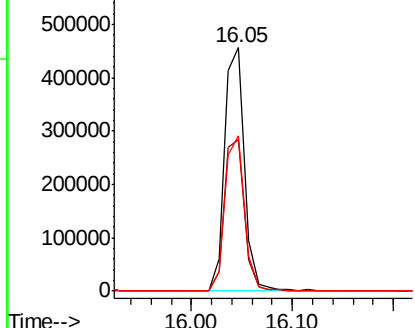
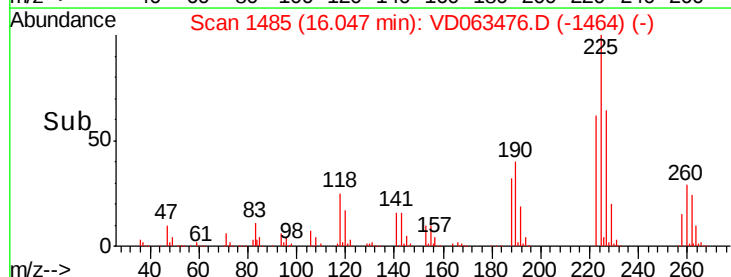


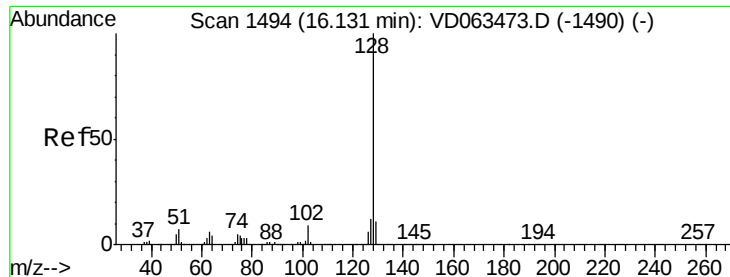
#94
 Hexachlorobutadiene
 Concen: 56.162 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD063476.D
 Acq: 9 Aug 2019 16:26

Tgt Ion:225 Resp: 626785
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.9 95.5
 227 63.5 30.7 92.1



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

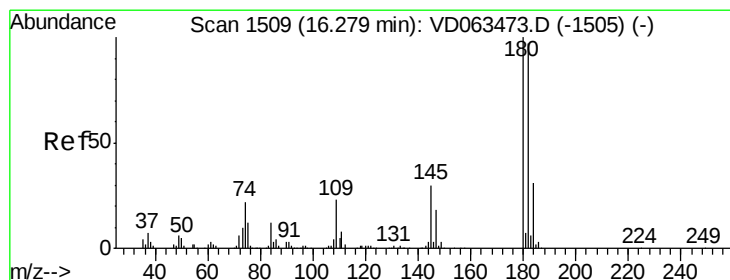
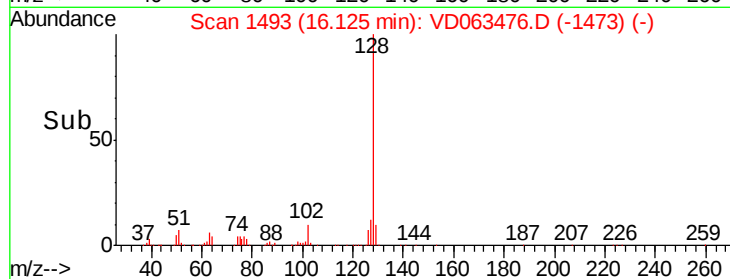
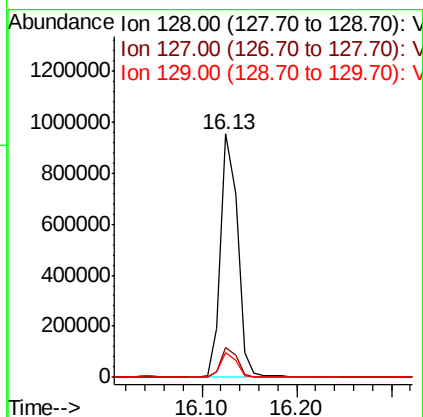
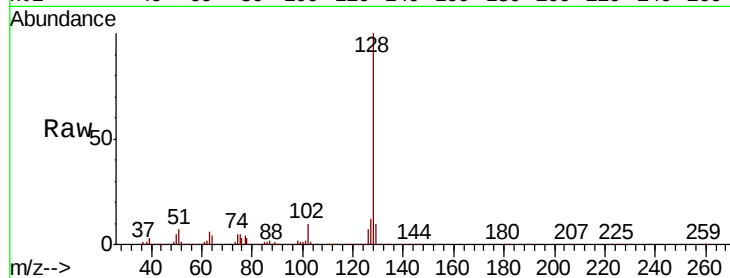




#95
Naphthalene
Concen: 53.675 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD063476.D
Acq: 9 Aug 2019 16:26

Instrument :
MSVOA_D
ClientSampleId :
ICVVD080919

Tgt Ion:128 Resp: 1191151
Ion Ratio Lower Upper
128 100
127 12.5 9.4 14.0
129 10.1 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 52.355 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD063476.D
Acq: 9 Aug 2019 16:26

Tgt Ion:180 Resp: 619211
Ion Ratio Lower Upper
180 100
182 96.9 48.4 145.2
145 32.2 14.9 44.9

