

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112119\
 Data File : VD064337.D
 Acq On : 21 Nov 2019 21:14
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 22 00:44:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	507149	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	739426	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	655307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	328259	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	208737	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
35) Dibromofluoromethane	7.92	113	213982	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
50) Toluene-d8	10.34	98	785105	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
62) 4-Bromofluorobenzene	12.64	95	264923	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	187944	44.683	ug/l	99
3) Chloromethane	2.21	50	222932	49.413	ug/l	99
4) Vinyl Chloride	2.35	62	268540	55.661	ug/l	97
5) Bromomethane	2.77	94	191528	62.868	ug/l	98
6) Chloroethane	2.92	64	191153	62.006	ug/l	100
7) Trichlorofluoromethane	3.27	101	475122	60.741	ug/l	98
8) Diethyl Ether	3.70	74	113965	52.988	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	220573	49.336	ug/l	100
10) Methyl Iodide	4.29	142	246330	48.337	ug/l	99
11) Tert butyl alcohol	5.25	59	75843	260.337	ug/l	99
12) 1,1-Dichloroethene	4.06	96	205681	48.266	ug/l	95
13) Acrolein	3.93	56	67819	275.178	ug/l	96
14) Allyl chloride	4.71	41	342394	45.443	ug/l	96
15) Acrylonitrile	5.43	53	251691	274.502	ug/l	100
16) Acetone	4.17	43	186747	188.994	ug/l	96
17) Carbon Disulfide	4.40	76	583892	43.997	ug/l	100
18) Methyl Acetate	4.73	43	149415	54.139	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	537537	52.838	ug/l	96
20) Methylene Chloride	4.96	84	242025	48.490	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	241578	50.036	ug/l	90
22) Diisopropyl ether	6.37	45	706286	50.521	ug/l	96
23) Vinyl Acetate	6.31	43	2058919	264.209	ug/l	97
24) 1,1-Dichloroethane	6.27	63	415310	51.164	ug/l	99
25) 2-Butanone	7.23	43	311177	243.757	ug/l	98
26) 2,2-Dichloropropane	7.21	77	344109	43.228	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	273116	52.750	ug/l	92
28) Bromochloromethane	7.55	49	166729	58.998	ug/l	95
29) Tetrahydrofuran	7.57	42	204754	266.954	ug/l	97
30) Chloroform	7.71	83	442575	53.303	ug/l	98
31) Cyclohexane	7.98	56	349247	42.662	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	386031	48.555	ug/l	100
36) 1,1-Dichloropropene	8.11	75	319324	46.792	ug/l	99
37) Ethyl Acetate	7.30	43	145511	50.578	ug/l	97
38) Carbon Tetrachloride	8.10	117	348695	47.753	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	391547	45.343	ug/l	98
40) Benzene	8.35	78	920320	49.345	ug/l	97
41) Methacrylonitrile	7.53	41	84196	46.563	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	278433	49.706	ug/l	98
43) Isopropyl Acetate	8.46	43	297353	50.163	ug/l	98
44) Trichloroethene	9.11	130	282699	50.502	ug/l	99
45) 1,2-Dichloropropane	9.39	63	232553	51.228	ug/l	96
46) Dibromomethane	9.48	93	132375	54.469	ug/l	99
47) Bromodichloromethane	9.67	83	342595	52.334	ug/l	99
48) Methyl methacrylate	9.46	41	137738	47.520	ug/l	90
49) 1,4-Dioxane	9.47	88	31275	1071.514	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	730272	256.904	ug/l	99
52) Toluene	10.41	92	608015	49.577	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	326845	49.837	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	381140	49.803	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	182737	55.428	ug/l	98
56) Ethyl methacrylate	10.67	69	237377	51.471	ug/l	95
57) 1,3-Dichloropropane	10.95	76	309047	53.750	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	492833	263.807	ug/l	98
59) 2-Hexanone	10.99	43	488453	241.529	ug/l	98
60) Dibromochloromethane	11.14	129	244462	53.140	ug/l	99
61) 1,2-Dibromoethane	11.25	107	179228	54.276	ug/l	99
64) Tetrachloroethene	10.88	164	236793	46.984	ug/l	97
65) Chlorobenzene	11.67	112	662870	49.744	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	259318	51.178	ug/l	99
67) Ethyl Benzene	11.75	91	1164153	48.297	ug/l	99
68) m/p-Xylenes	11.86	106	897808	97.175	ug/l	99
69) o-Xylene	12.18	106	415729	48.517	ug/l	100
70) Styrene	12.20	104	740791	49.527	ug/l	99
71) Bromoform	12.37	173	148150	51.376	ug/l #	97
73) Isopropylbenzene	12.48	105	1140061	47.317	ug/l	99
74) N-amyl acetate	12.30	43	265099	46.592	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	191764	52.820	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	244995	92.660	ug/l #	100
77) Bromobenzene	12.77	156	296303	50.620	ug/l	96
78) n-propylbenzene	12.83	91	1295316	47.055	ug/l	99
79) 2-Chlorotoluene	12.91	91	720911	46.386	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	929464	46.947	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	59595	44.772	ug/l	98
82) 4-Chlorotoluene	13.01	91	756790	46.686	ug/l	98
83) tert-Butylbenzene	13.23	119	816924	46.795	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	943202	48.256	ug/l	100
85) sec-Butylbenzene	13.41	105	1089122	46.450	ug/l	99
86) p-Isopropyltoluene	13.53	119	1051187	47.157	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	535938	49.323	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	530936	50.065	ug/l	100
89) n-Butylbenzene	13.86	91	943817	46.866	ug/l	99
90) Hexachloroethane	14.12	117	196605	47.724	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	467192	50.799	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	29339	45.198	ug/l	89

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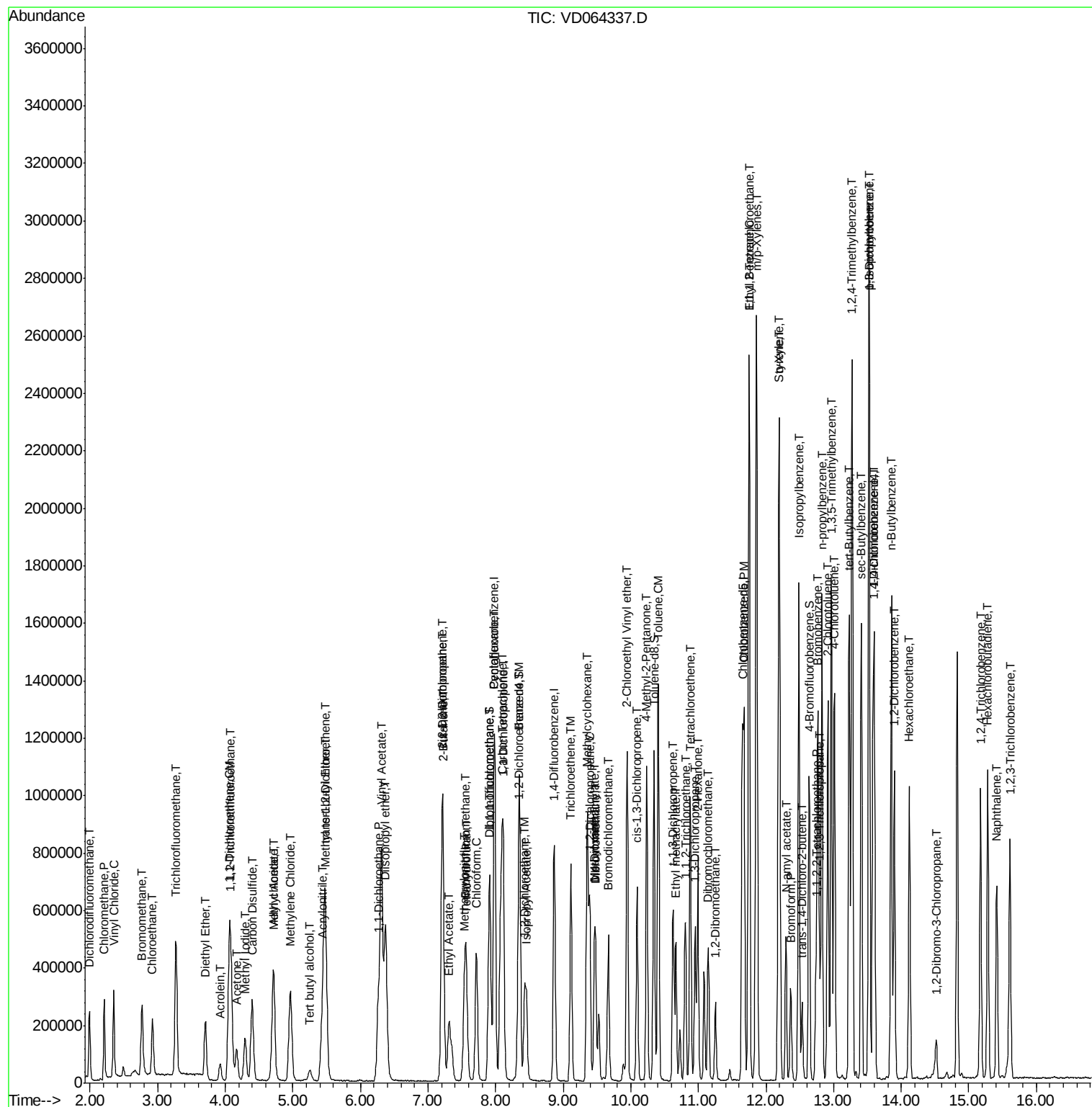
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	356914	50.308	ug/l	100
94) Hexachlorobutadiene	15.28	225	222423	48.539	ug/l	100
95) Naphthalene	15.41	128	608694	52.339	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	310350	51.462	ug/l	100

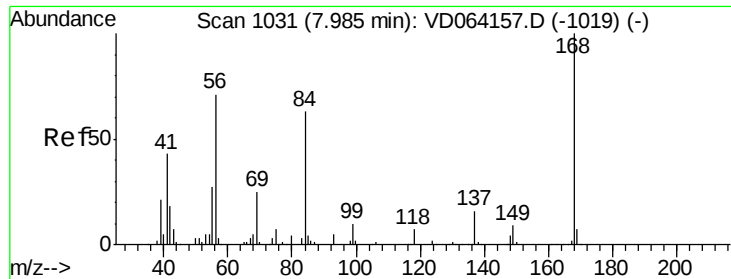
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

Instrument :

MSVOA_D

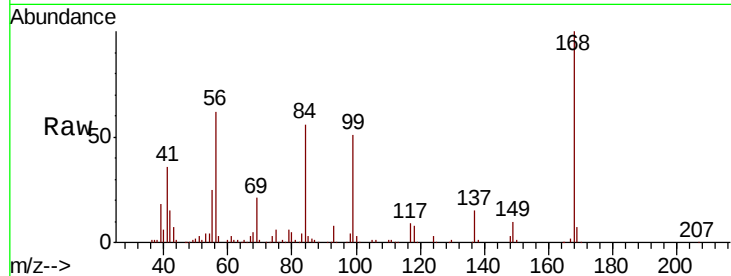
ClientSampleId :

Tot Ion:168 Resp: 507149

Ion Ratio Lower Upper

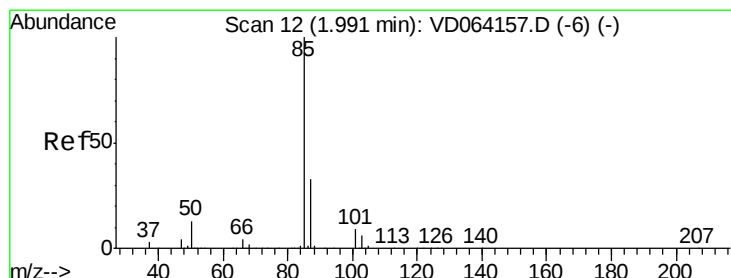
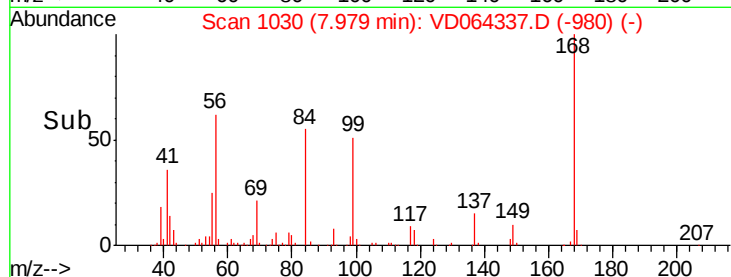
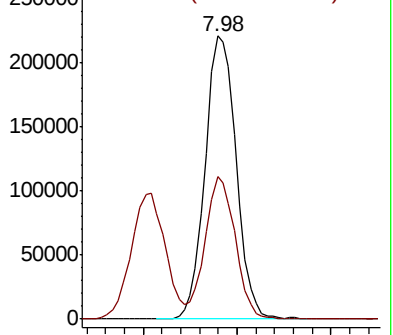
168 100

99 50.4 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 44.683 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064337.D

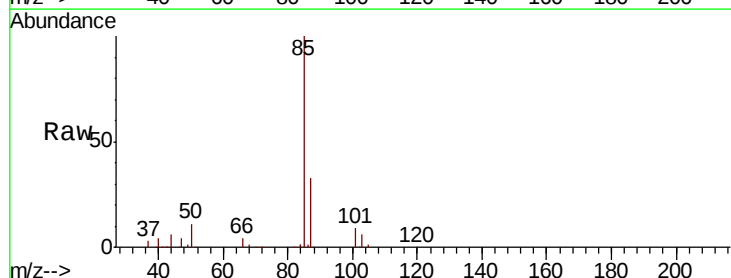
Acq: 21 Nov 2019 21:14

Tgt Ion: 85 Resp: 187944

Ion Ratio Lower Upper

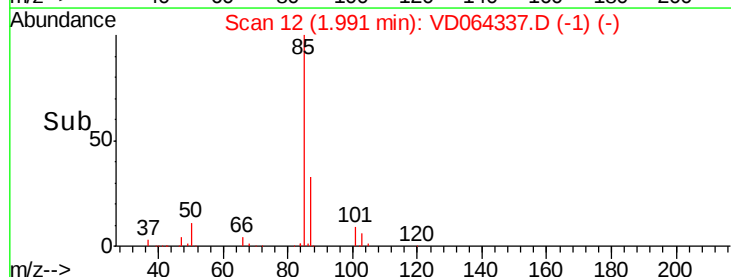
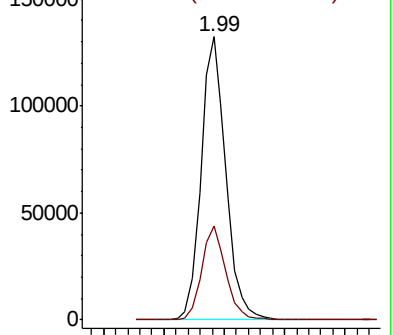
85 100

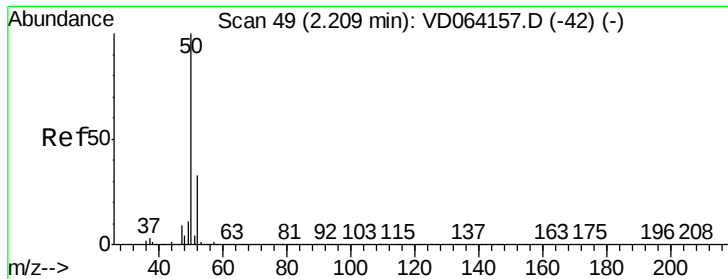
87 33.2 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.413 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

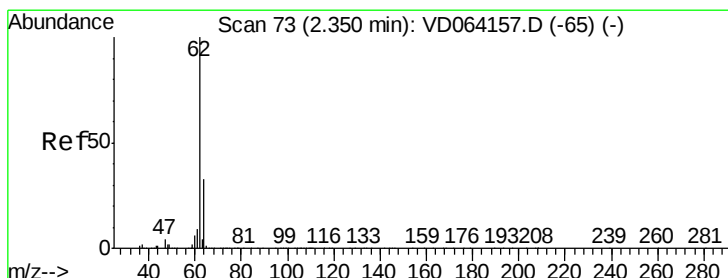
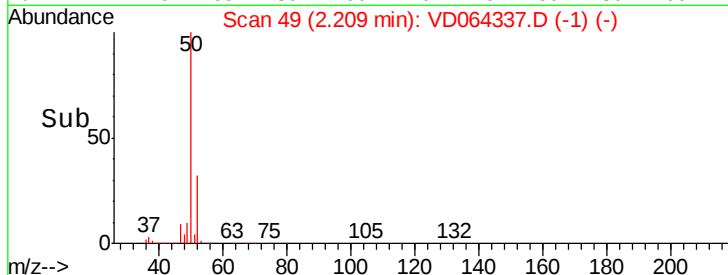
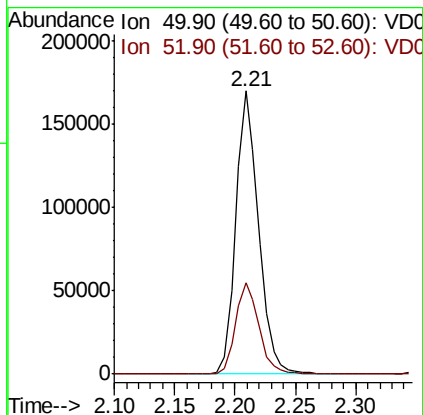
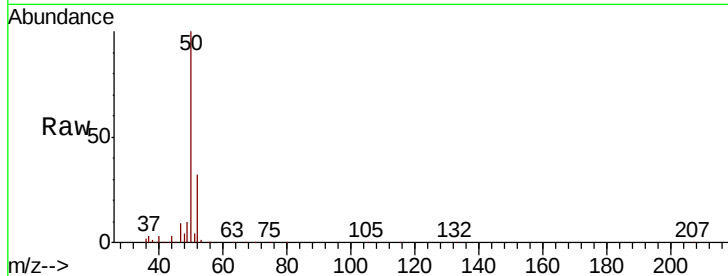
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 222932

Ion Ratio Lower Upper

50 100

52 32.1 26.2 39.4



#4

Vinyl Chloride

Concen: 55.661 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064337.D

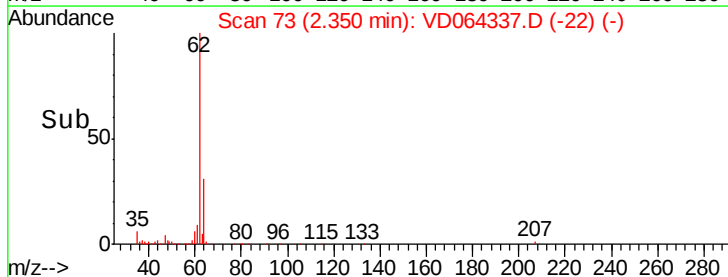
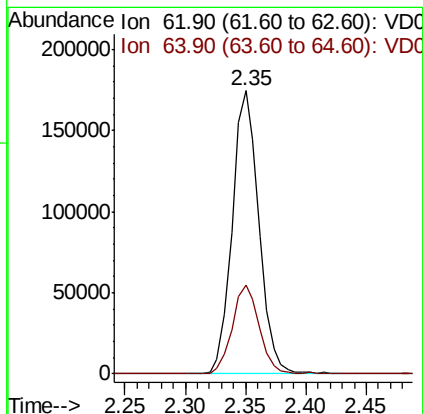
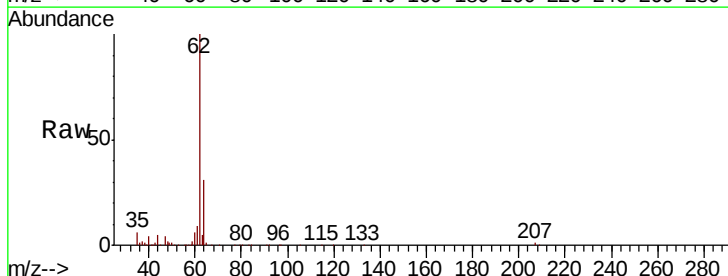
Acq: 21 Nov 2019 21:14

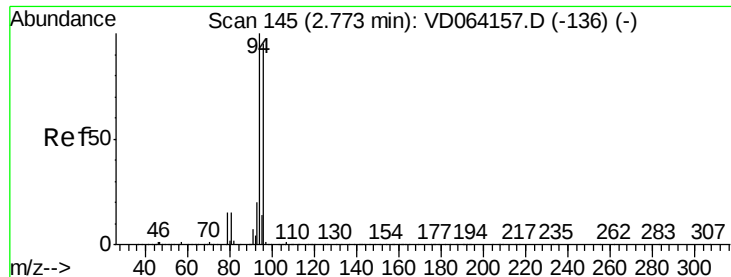
Tgt Ion: 62 Resp: 268540

Ion Ratio Lower Upper

62 100

64 31.3 26.2 39.2





#5

Bromomethane

Concen: 62.868 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

Instrument :

MSVOA_D

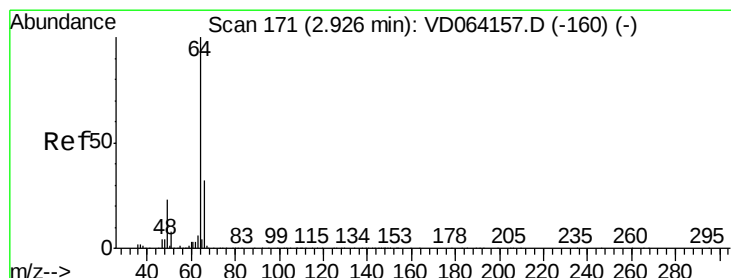
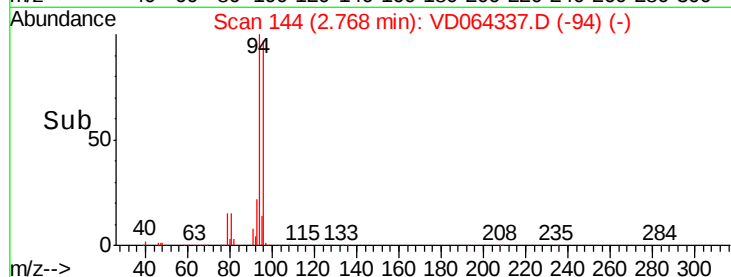
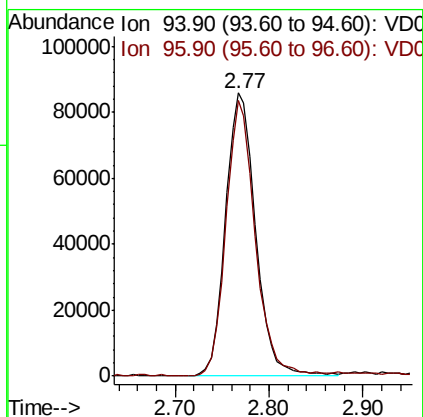
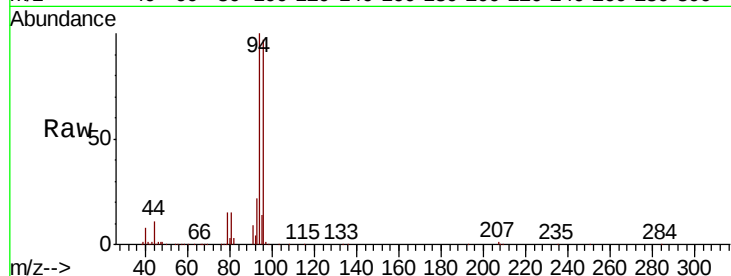
ClientSampleId :

Tot Ion: 94 Resp: 191528

Ion Ratio Lower Upper

94 100

96 97.0 76.2 114.4



#6

Chloroethane

Concen: 62.006 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064337.D

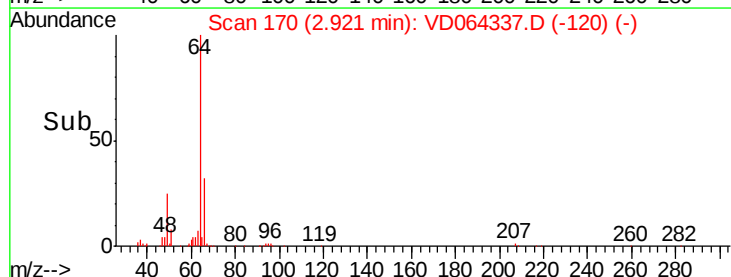
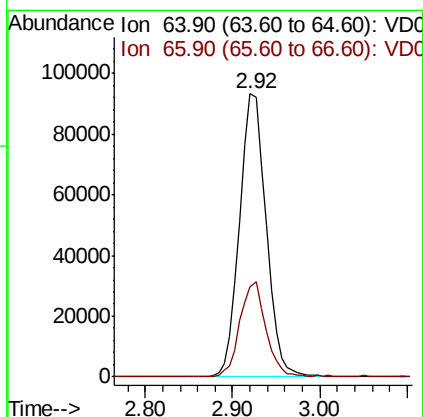
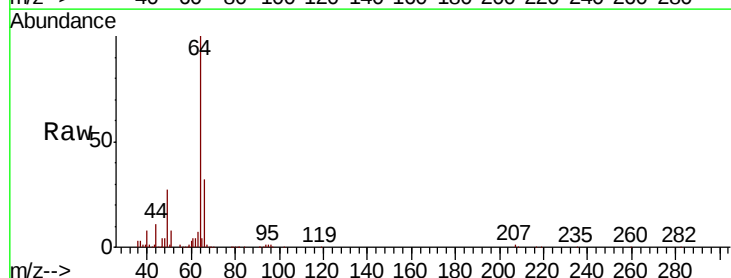
Acq: 21 Nov 2019 21:14

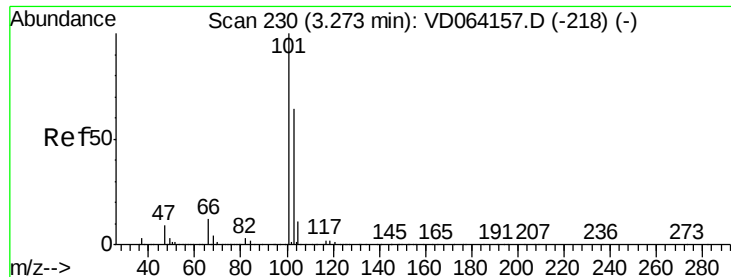
Tgt Ion: 64 Resp: 191153

Ion Ratio Lower Upper

64 100

66 31.8 25.5 38.3



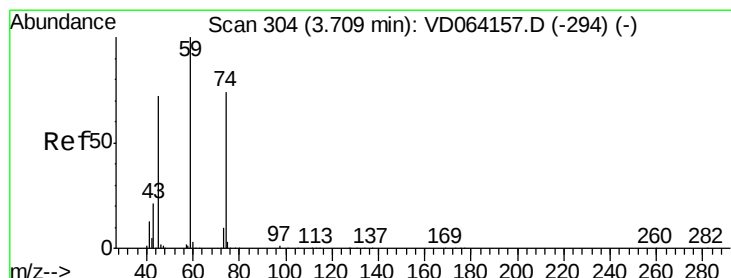
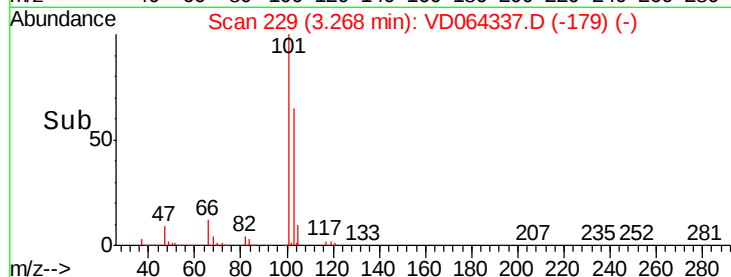
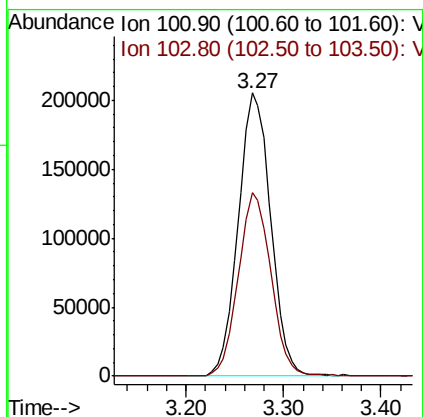
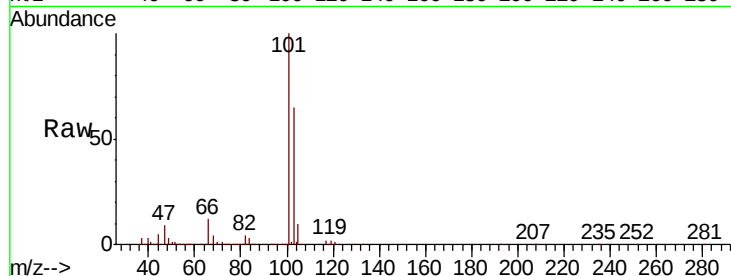


#7

Trichlorofluoromethane
Concen: 60.741 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064337.D
Acq: 21 Nov 2019 21:14

Instrument :
MSVOA_D
ClientSampleId :

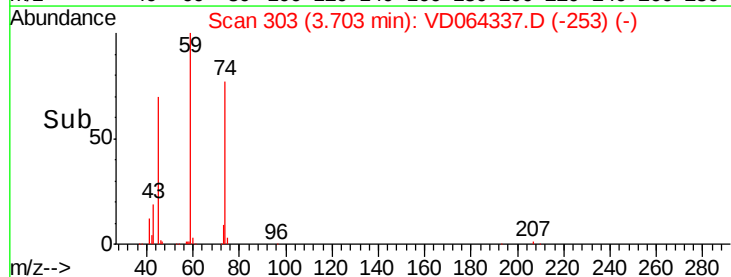
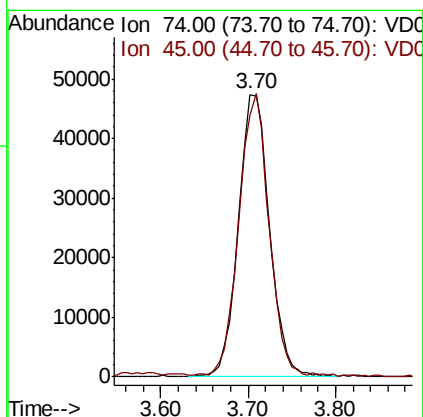
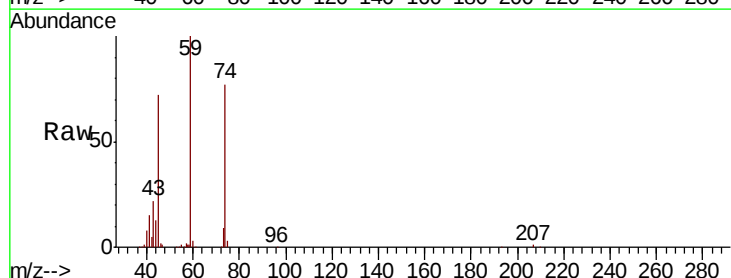
Tot Ion:101 Resp: 475122
Ion Ratio Lower Upper
101 100
103 64.7 50.8 76.2

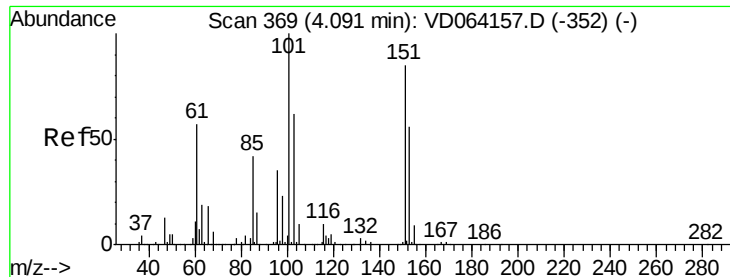


#8

Diethyl Ether
Concen: 52.988 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064337.D
Acq: 21 Nov 2019 21:14

Tgt Ion: 74 Resp: 113965
Ion Ratio Lower Upper
74 100
45 95.5 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.336 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

Instrument :

MSVOA_D

ClientSampleId :

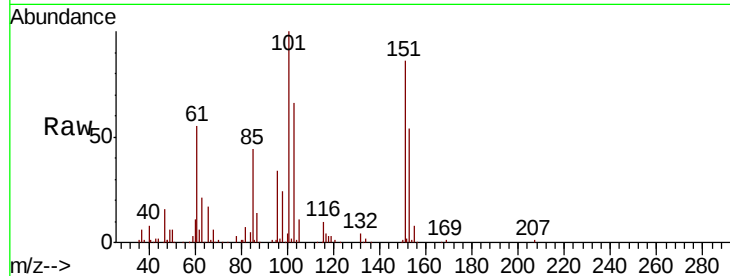
Tot Ion:101 Resp: 220573

Ion Ratio Lower Upper

101 100

85 43.3 34.4 51.6

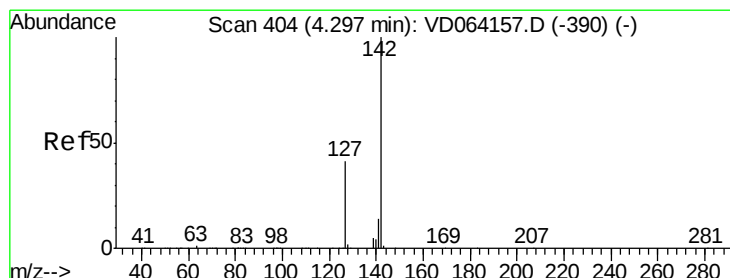
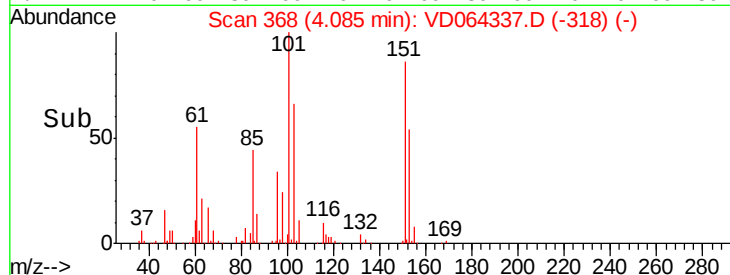
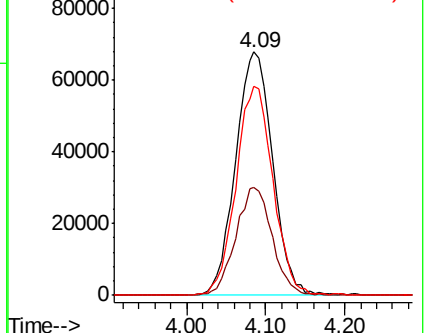
151 85.4 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.337 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

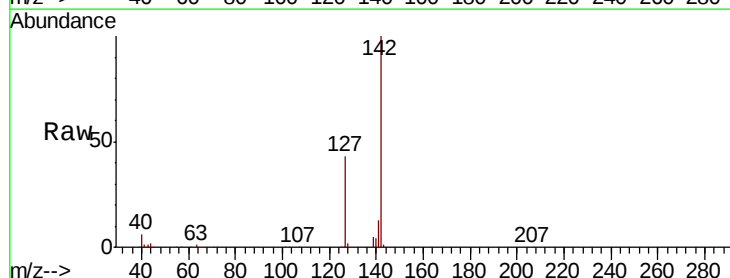
Tgt Ion:142 Resp: 246330

Ion Ratio Lower Upper

142 100

127 43.6 34.4 51.6

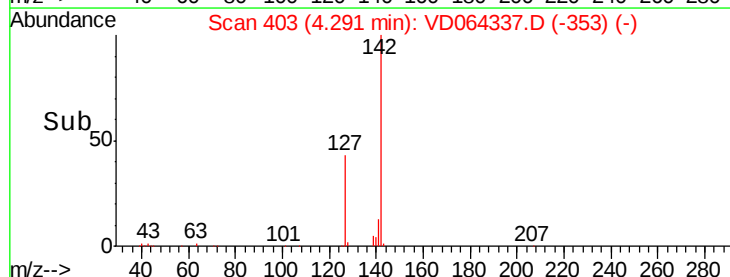
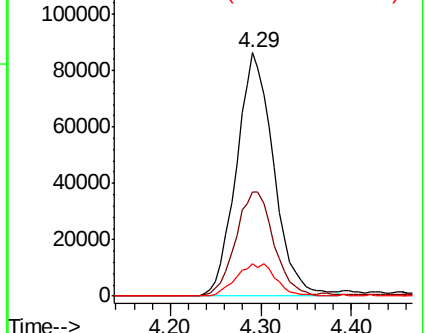
141 14.3 11.2 16.8



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



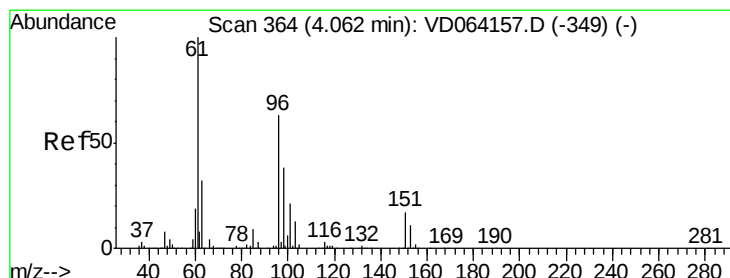
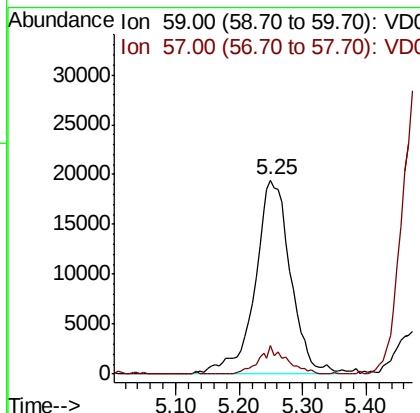
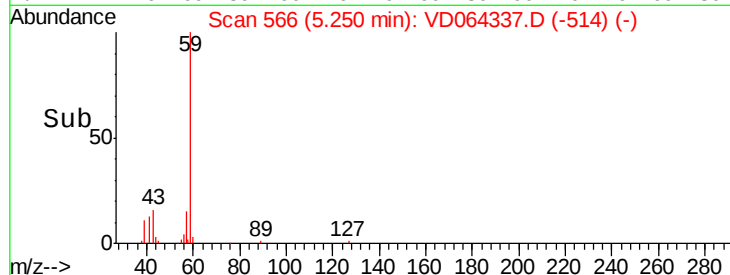
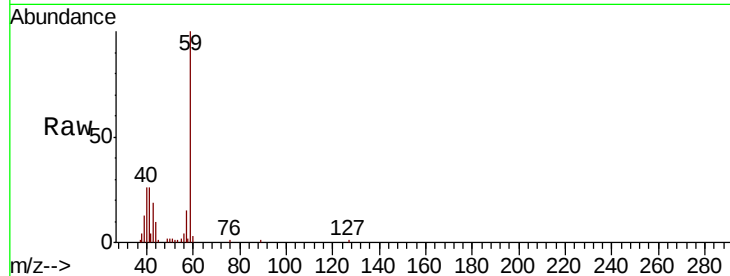


#11

Tert butyl alcohol
Concen: 260.337 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064337.D
Acq: 21 Nov 2019 21:14

Instrument :
MSVOA_D
ClientSampleId :

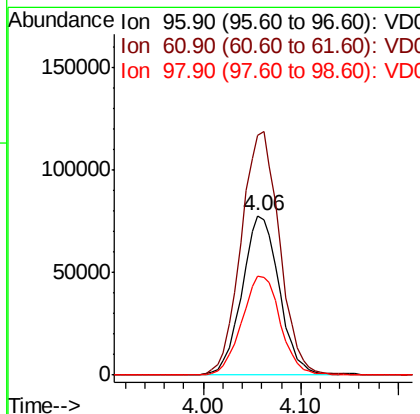
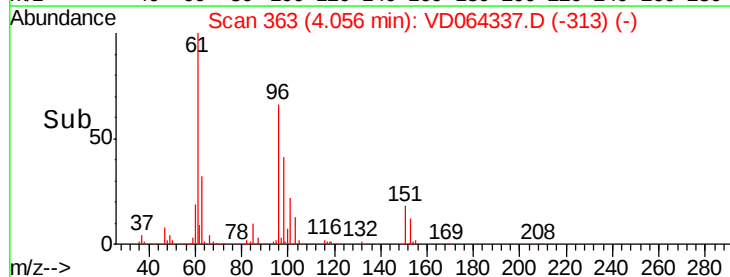
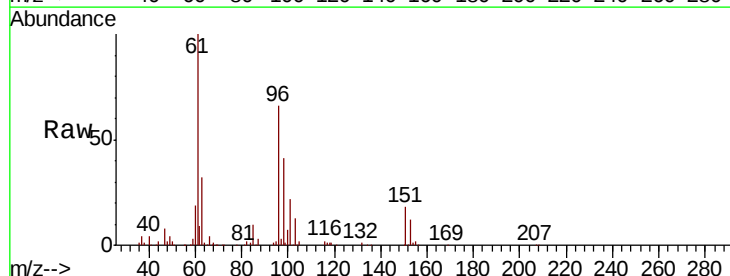
Tot Ion: 59 Resp: 75843
Ion Ratio Lower Upper
59 100
57 11.2 9.4 14.2

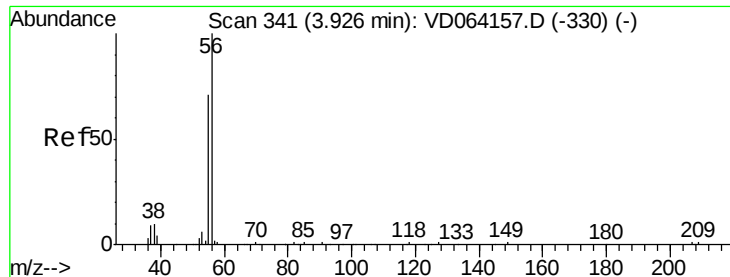


#12

1,1-Dichloroethene
Concen: 48.266 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064337.D
Acq: 21 Nov 2019 21:14

Tgt Ion: 96 Resp: 205681
Ion Ratio Lower Upper
96 100
61 150.8 127.4 191.2
98 62.2 48.1 72.1





#13

Acrolein

Concen: 275.178 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

Instrument :

MSVOA_D

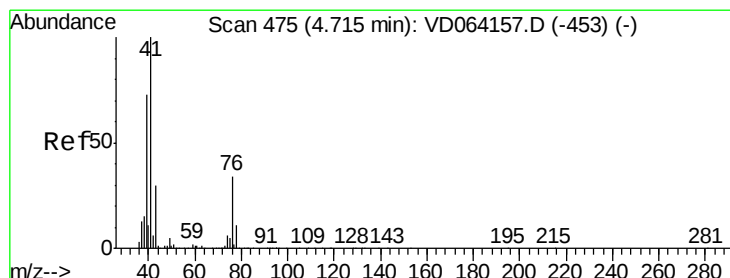
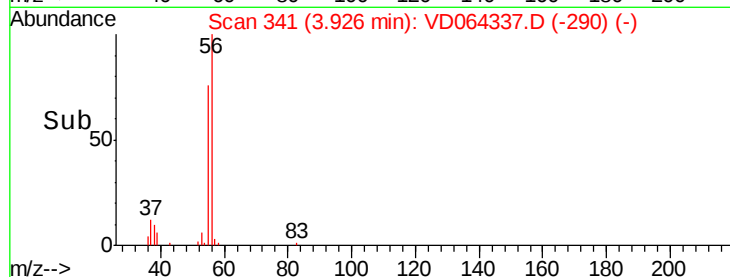
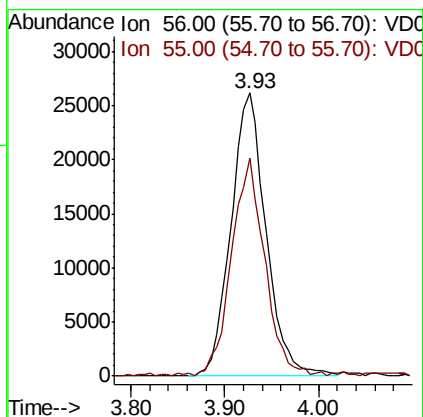
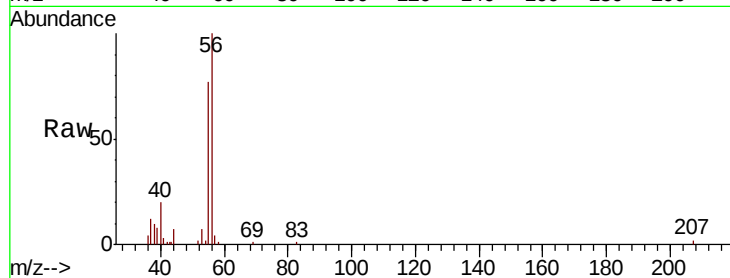
ClientSampleId :

Tot Ion: 56 Resp: 67819

Ion Ratio Lower Upper

56 100

55 73.1 56.1 84.1



#14

Allyl chloride

Concen: 45.443 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

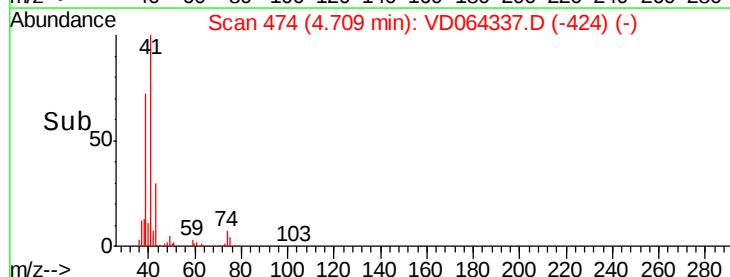
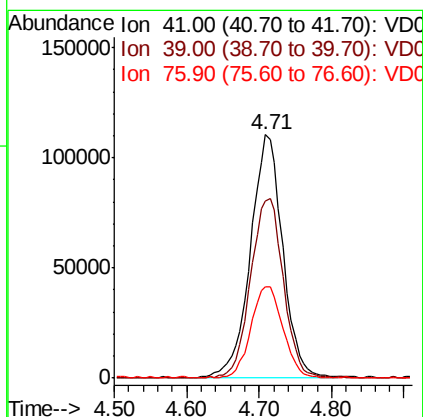
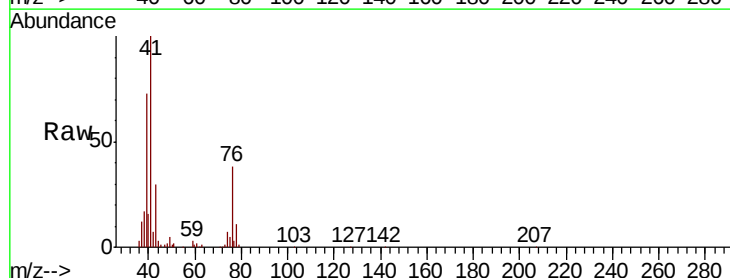
Tgt Ion: 41 Resp: 342394

Ion Ratio Lower Upper

41 100

39 75.1 57.5 86.3

76 36.6 26.8 40.2





#15

Acrylonitrile

Concen: 274.502 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

Instrument :
MSVOA_D
ClientSampled :

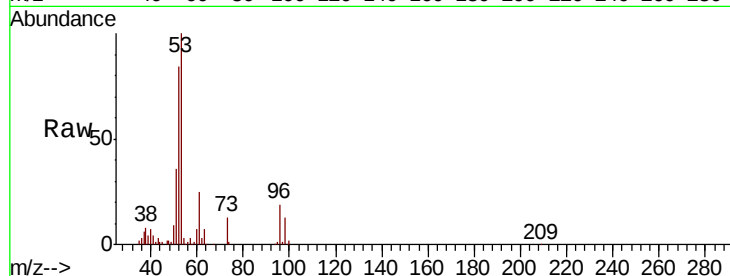
Tot Ion: 53 Resp: 251691

Ion Ratio Lower Upper

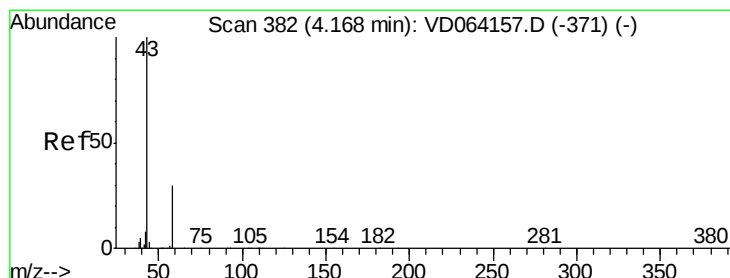
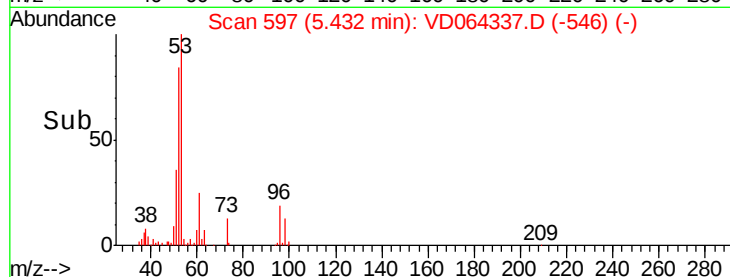
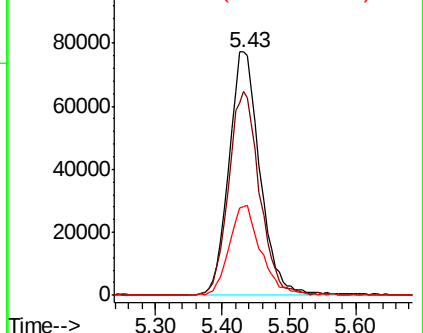
53 100

52 83.1 66.7 100.1

51 37.9 30.6 46.0



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 188.994 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064337.D

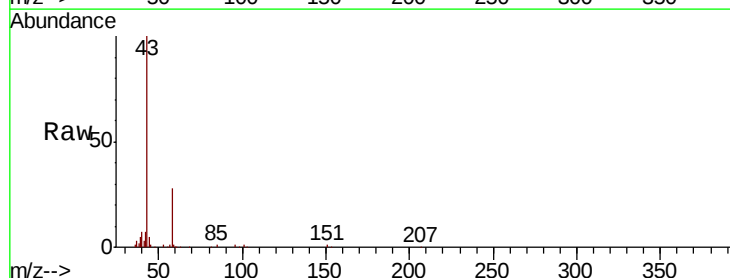
Acq: 21 Nov 2019 21:14

Tgt Ion: 43 Resp: 186747

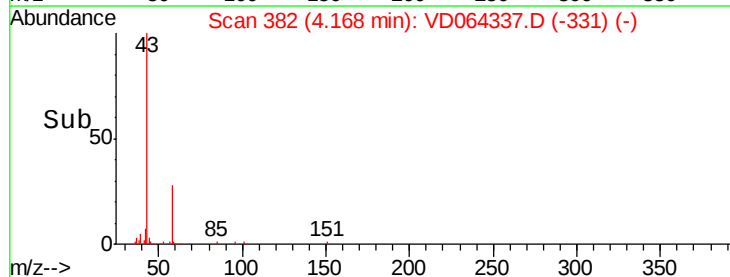
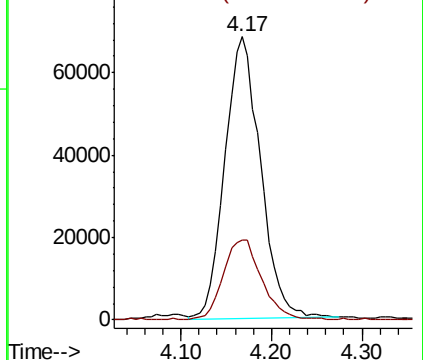
Ion Ratio Lower Upper

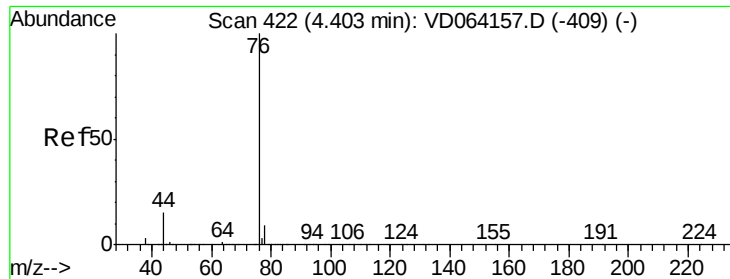
43 100

58 28.2 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

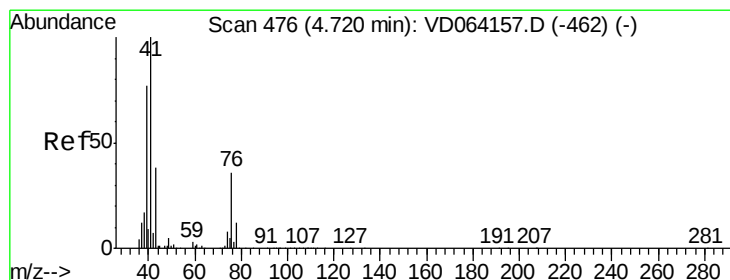
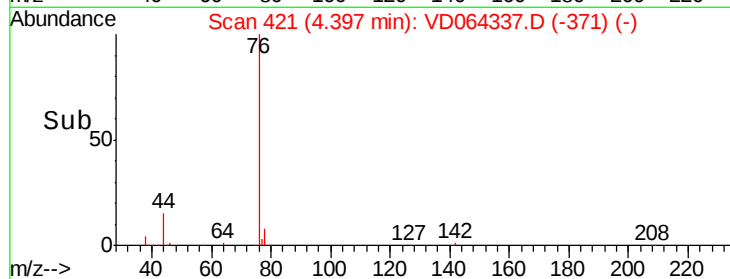
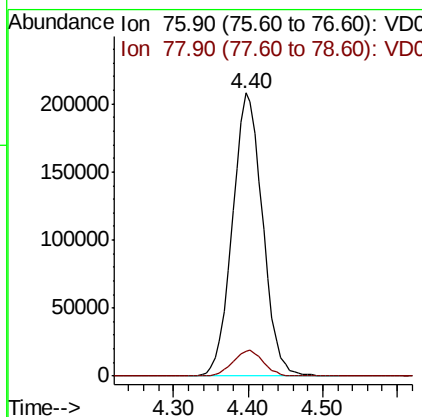
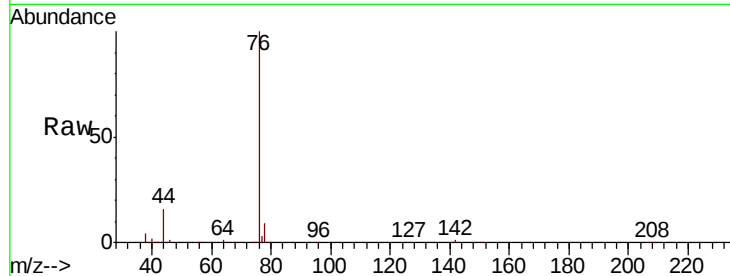




#17
Carbon Disulfide
Concen: 43.997 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064337.D
Acq: 21 Nov 2019 21:14

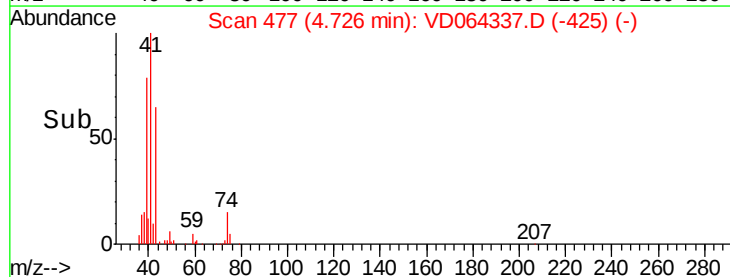
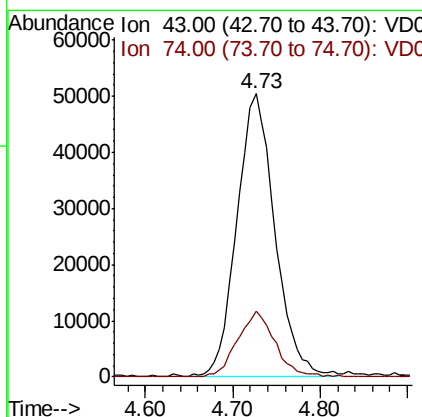
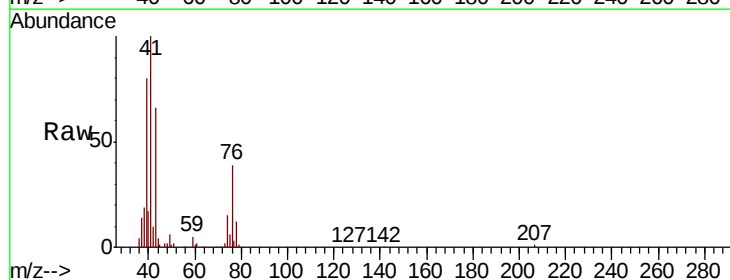
Instrument :
MSVOA_D
ClientSampleId :

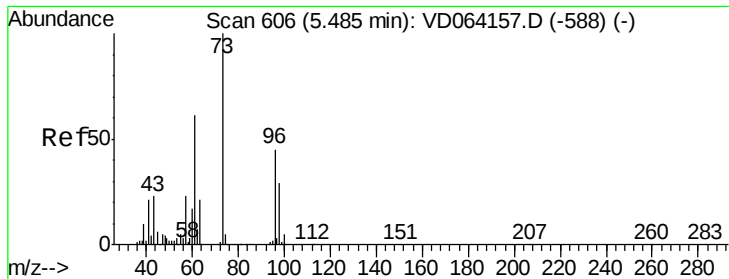
Tot Ion: 76 Resp: 583892
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 54.139 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD064337.D
Acq: 21 Nov 2019 21:14

Tgt Ion: 43 Resp: 149415
Ion Ratio Lower Upper
43 100
74 22.8 18.4 27.6

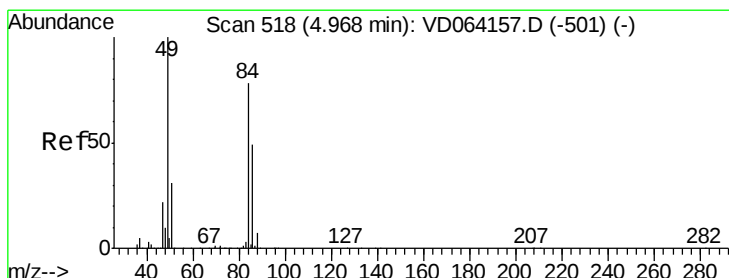
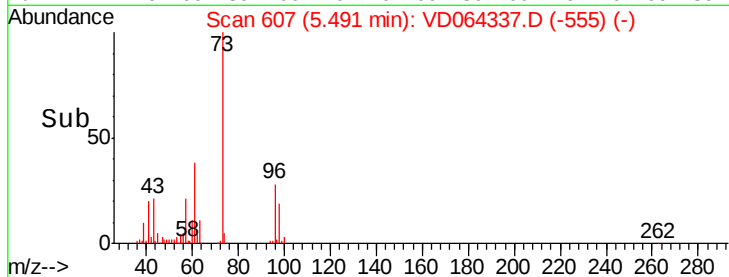
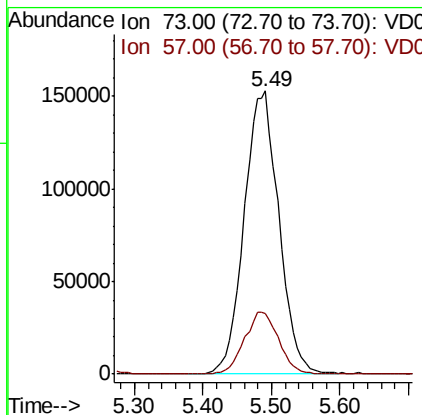
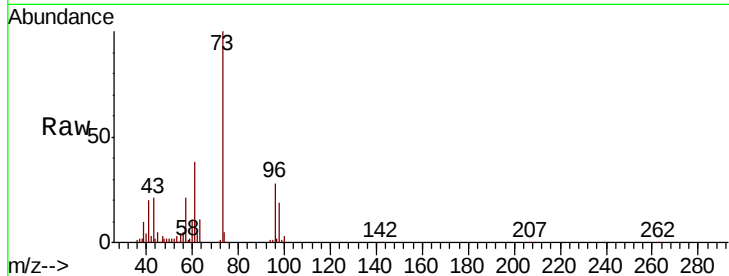




#19
Methvl tert-butvl Ether
Concen: 52.838 ug/l
RT: 5.49 min Scan# 607
Delta R.T. 0.01 min
Lab File: VD064337.D
Acq: 21 Nov 2019 21:14

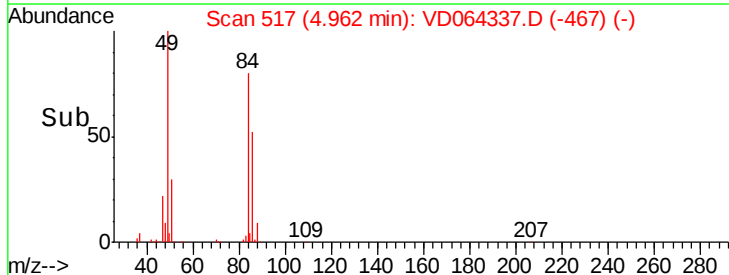
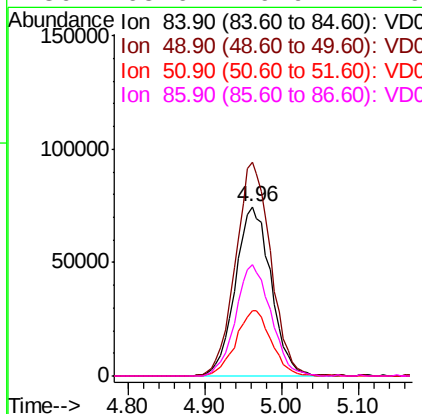
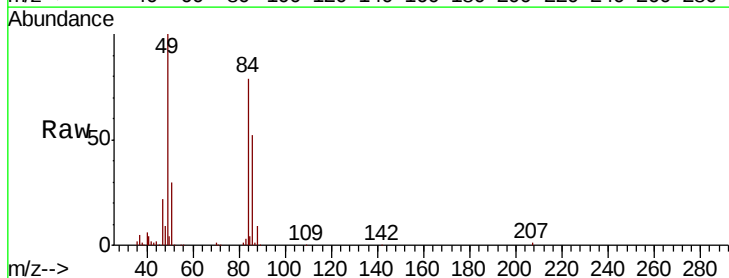
Instrument :
MSVOA_D
ClientSampleId :

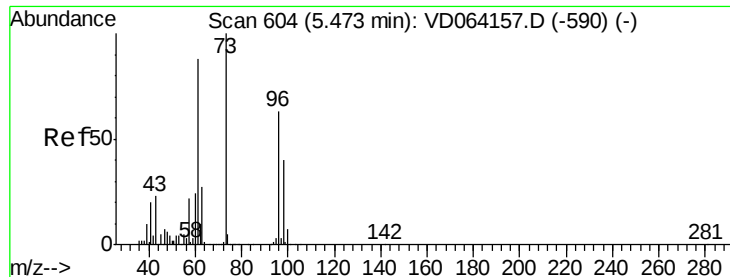
Tot Ion: 73 Resp: 537537
Ion Ratio Lower Upper
73 100
57 21.3 18.4 27.6



#20
Methylene Chloride
Concen: 48.490 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064337.D
Acq: 21 Nov 2019 21:14

Tgt Ion: 84 Resp: 242025
Ion Ratio Lower Upper
84 100
49 126.0 102.1 153.1
51 38.3 32.2 48.2
86 65.6 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 50.036 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

Instrument :

MSVOA_D

ClientSampleId :

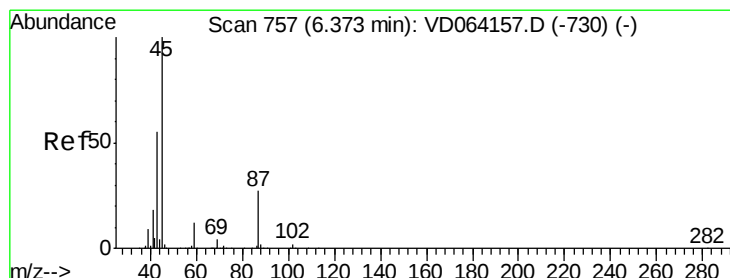
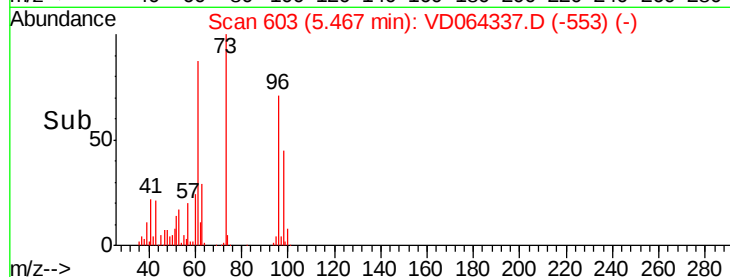
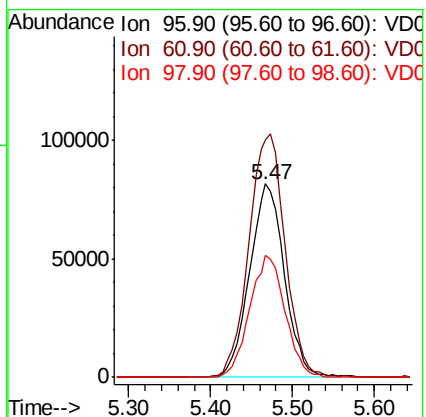
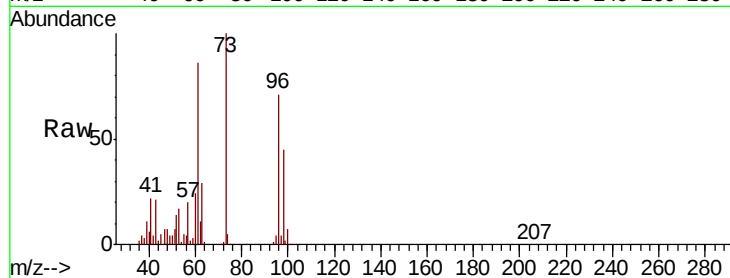
Tot Ion: 96 Resp: 241578

Ion Ratio Lower Upper

96 100

61 122.5 111.8 167.6

98 63.2 50.3 75.5



#22

Diisopropyl ether

Concen: 50.521 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

Tgt Ion: 45 Resp: 706286

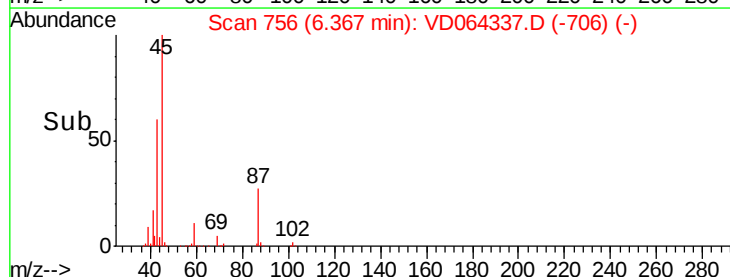
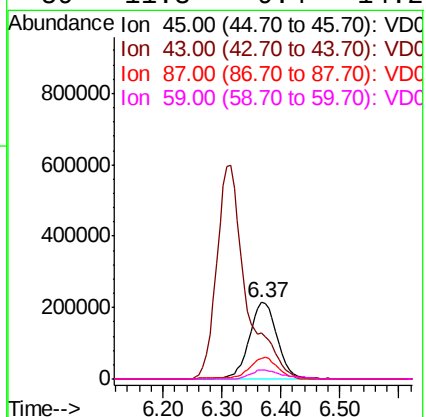
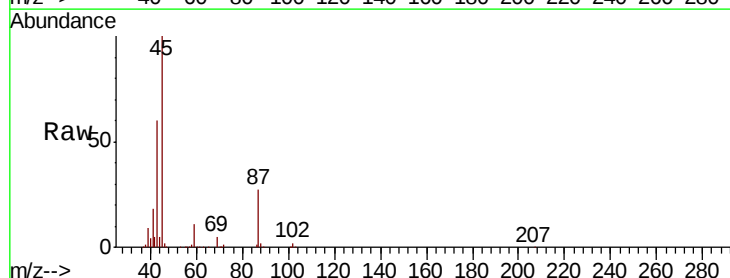
Ion Ratio Lower Upper

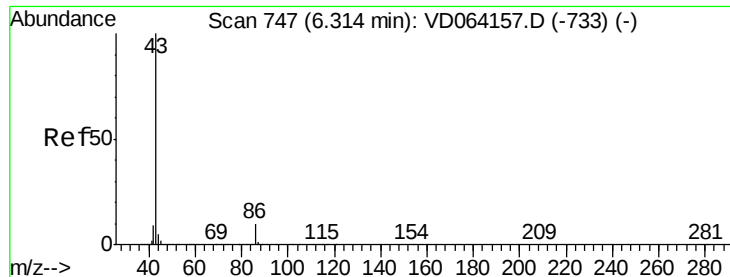
45 100

43 59.5 44.4 66.6

87 27.2 21.9 32.9

59 11.3 9.4 14.2





#23

Vinyl Acetate

Concen: 264.209 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

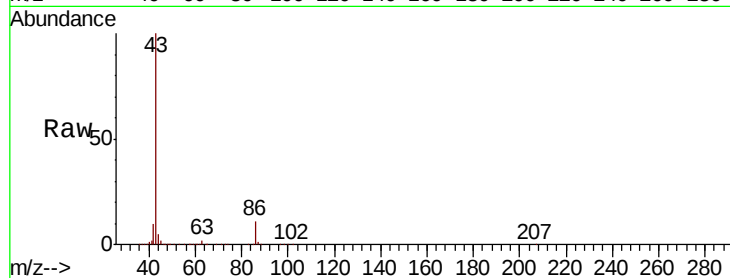
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 2058919

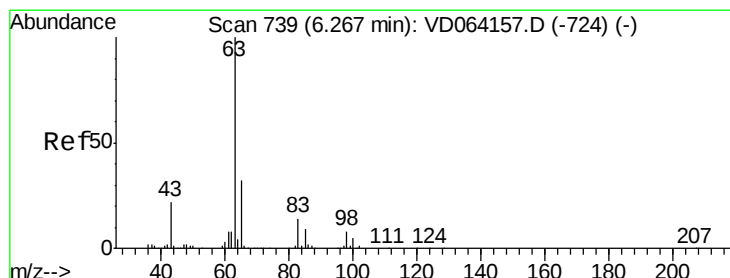
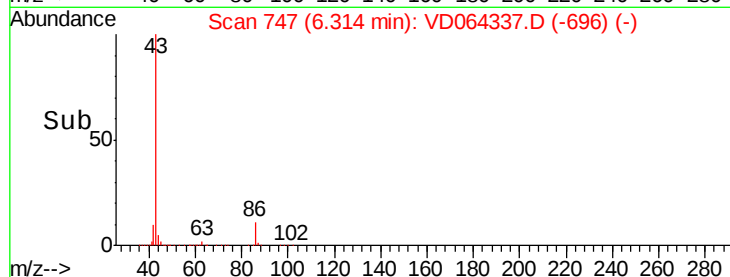
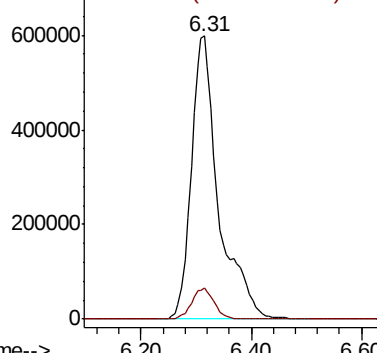
Ion Ratio Lower Upper

43 100

86 11.2 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.164 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

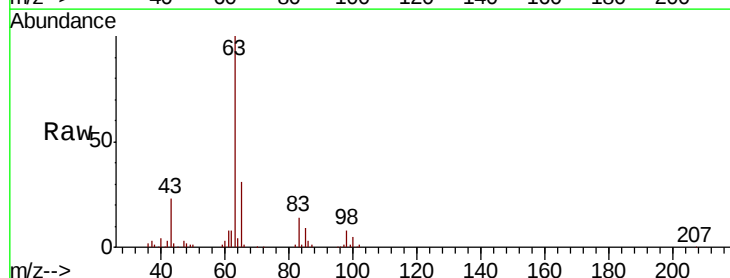
Tgt Ion: 63 Resp: 415310

Ion Ratio Lower Upper

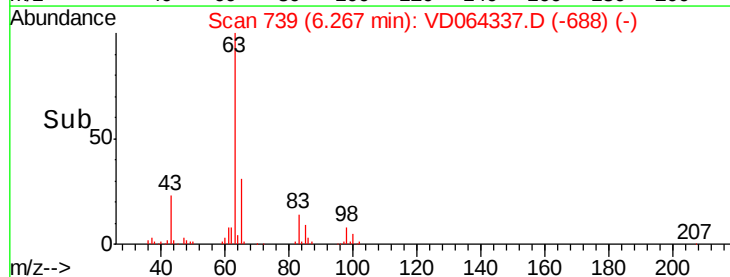
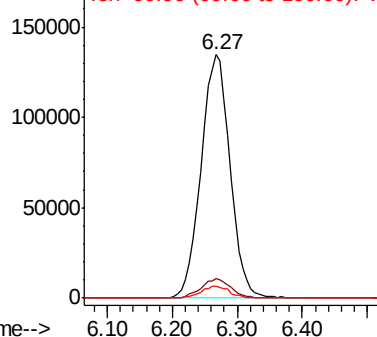
63 100

98 8.1 3.8 11.4

100 5.0 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC
Ion 97.90 (97.60 to 98.60): VDC
Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 243.757 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

Instrument :

MSVOA_D

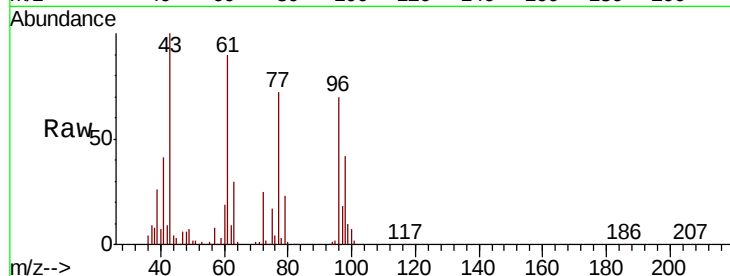
ClientSampled :

Tot Ion: 43 Resp: 311177

Ion Ratio Lower Upper

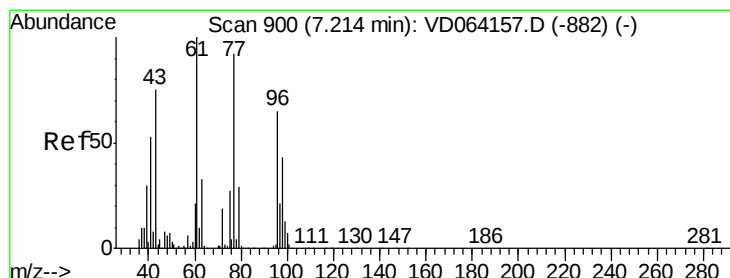
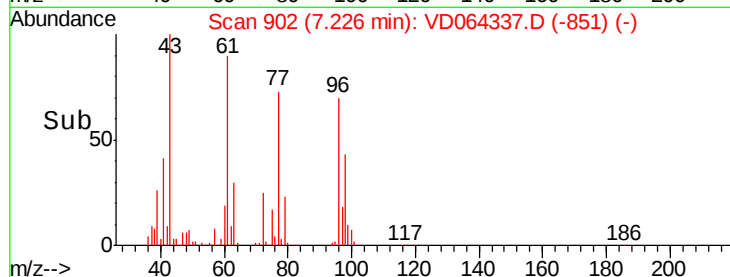
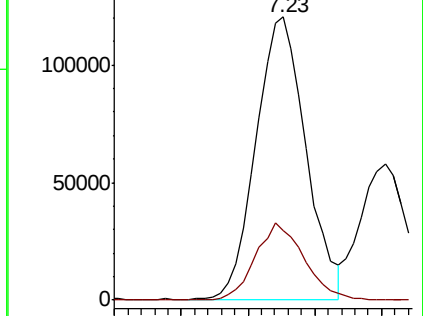
43 100

72 24.7 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 43.228 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064337.D

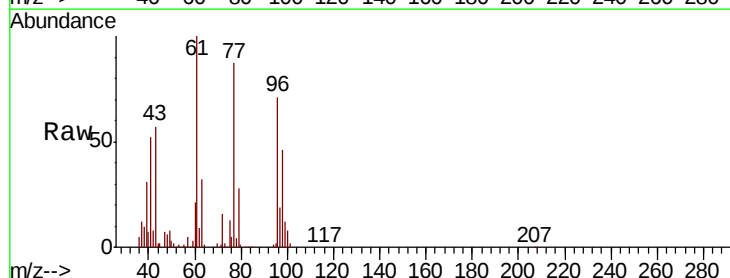
Acq: 21 Nov 2019 21:14

Tgt Ion: 77 Resp: 344109

Ion Ratio Lower Upper

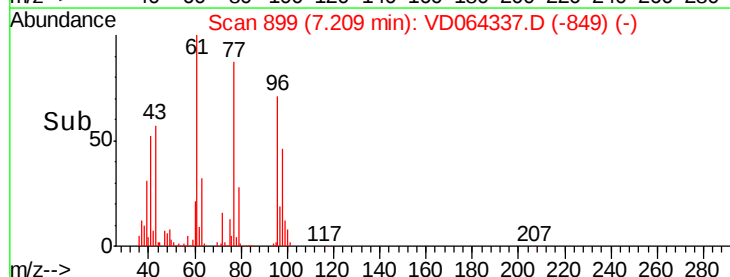
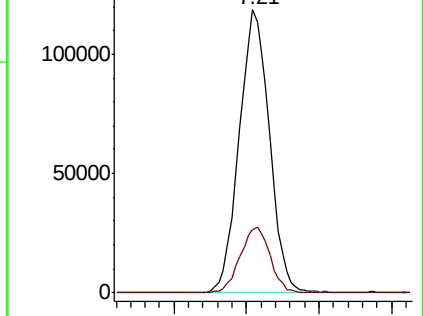
77 100

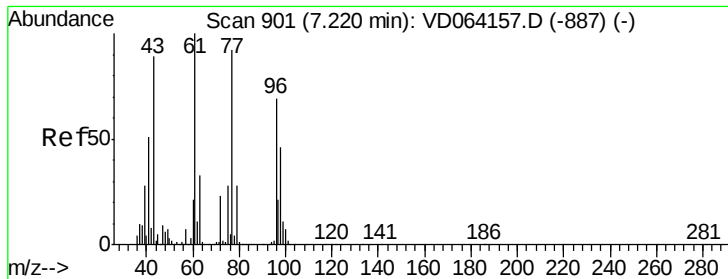
97 22.9 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



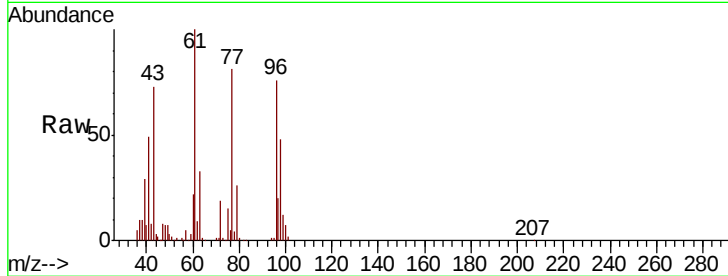


#27

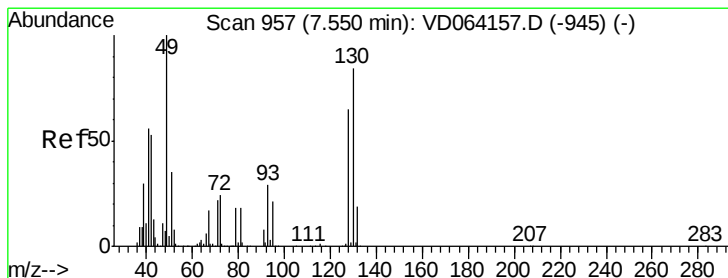
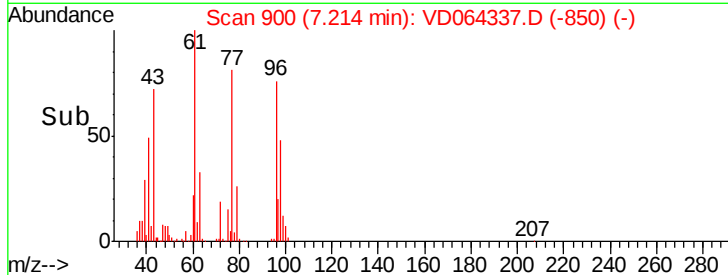
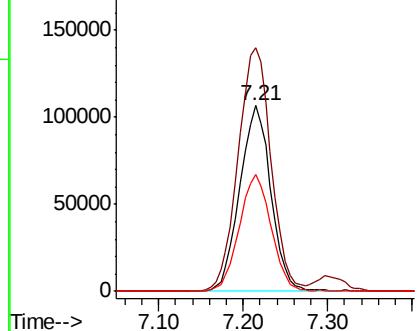
cis-1,2-Dichloroethene
Concen: 52.750 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064337.D
Acq: 21 Nov 2019 21:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.4	0.0	301.4
98	64.2	0.0	133.2



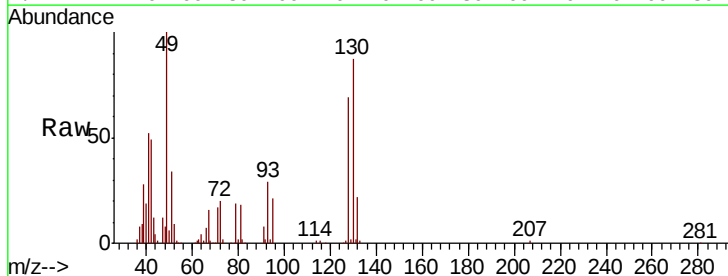
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



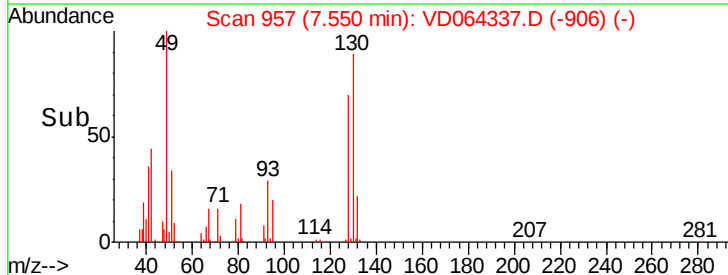
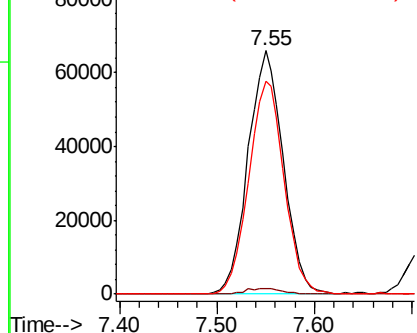
#28

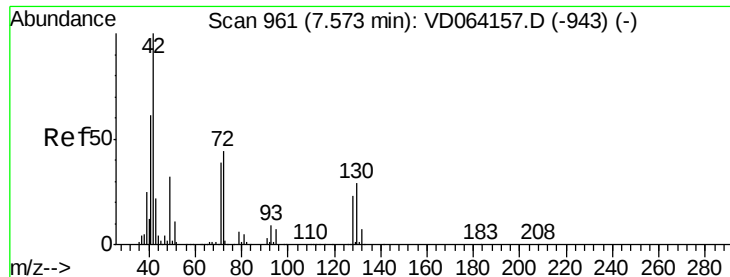
Bromochloromethane
Concen: 58.998 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD064337.D
Acq: 21 Nov 2019 21:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	87.9	66.8	100.2



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 266.954 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

Instrument :

MSVOA_D

ClientSampleId :

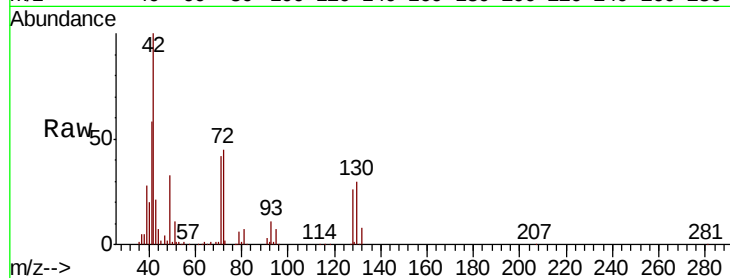
Tot Ion: 42 Resp: 204754

Ion Ratio Lower Upper

42 100

72 43.8 33.4 50.2

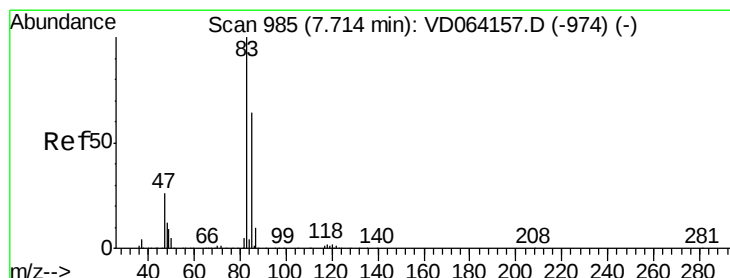
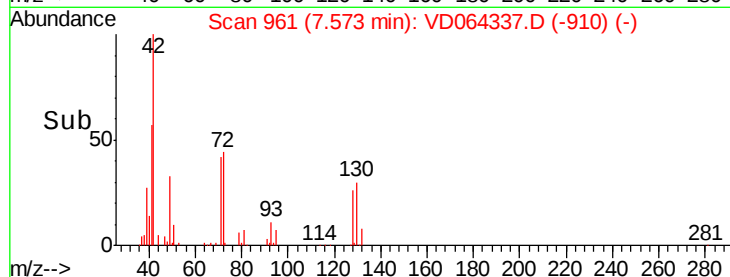
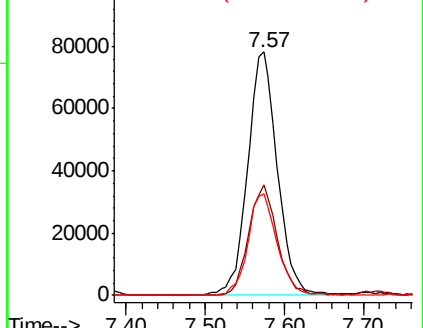
71 41.0 31.0 46.4



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 53.303 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD064337.D

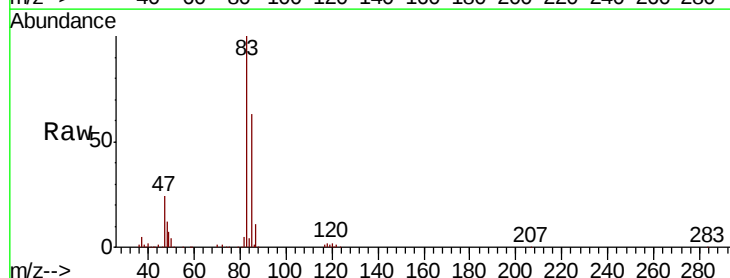
Acq: 21 Nov 2019 21:14

Tgt Ion: 83 Resp: 442575

Ion Ratio Lower Upper

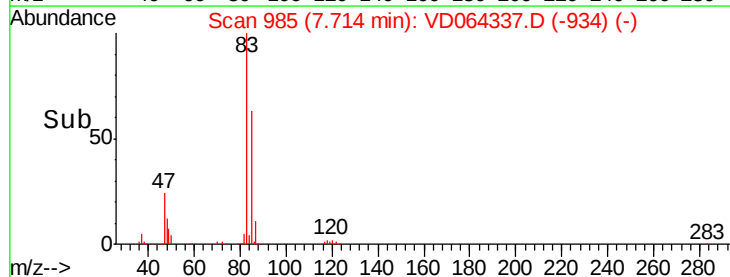
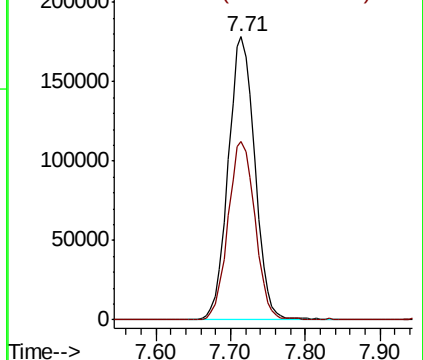
83 100

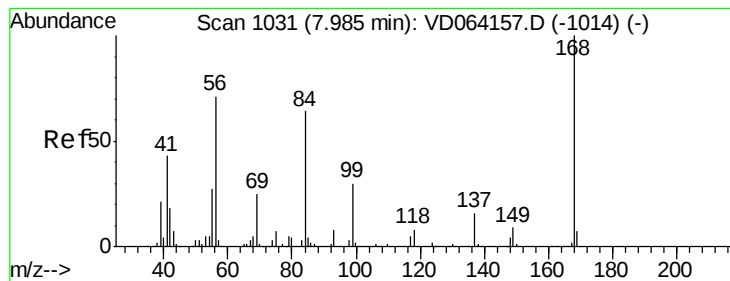
85 62.9 51.4 77.0



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 42.662 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

Instrument :

MSVOA_D

ClientSampleId :

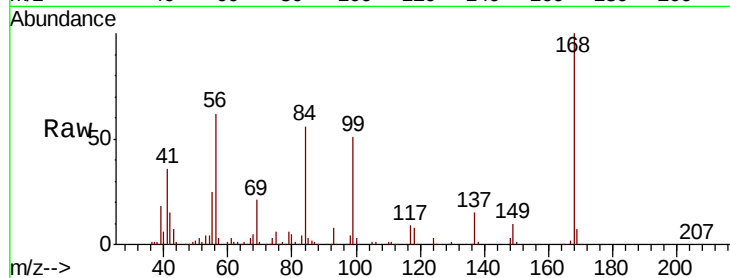
Tot Ion: 56 Resp: 349247

Ion Ratio Lower Upper

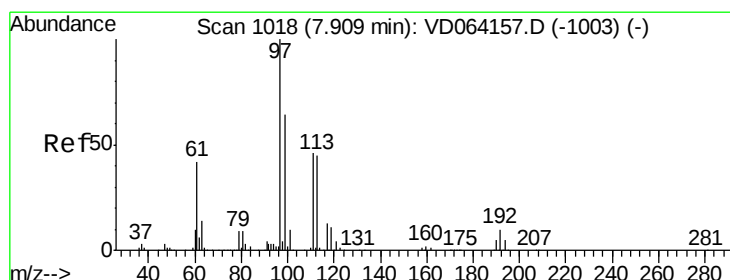
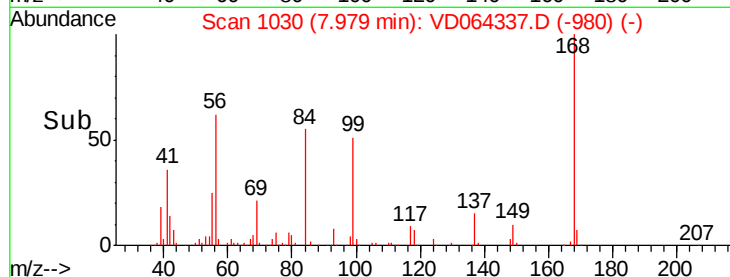
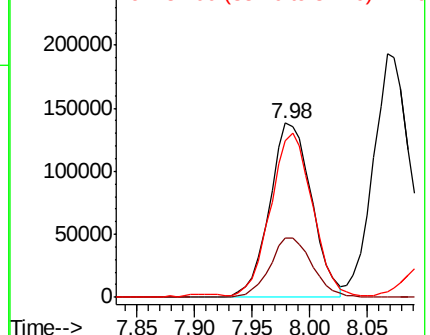
56 100

69 33.9 28.2 42.4

84 88.2 71.8 107.6



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 48.555 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

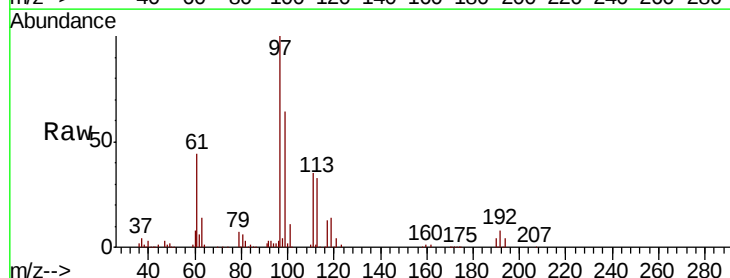
Tgt Ion: 97 Resp: 386031

Ion Ratio Lower Upper

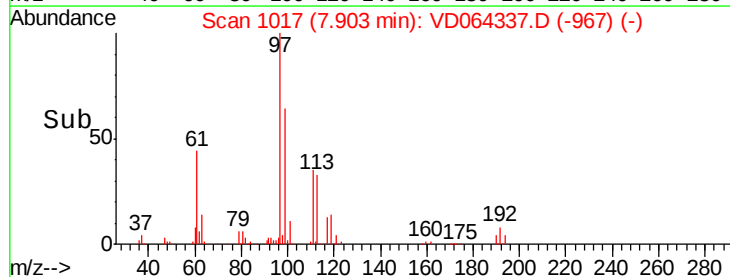
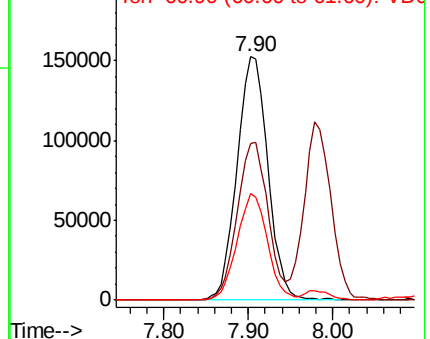
97 100

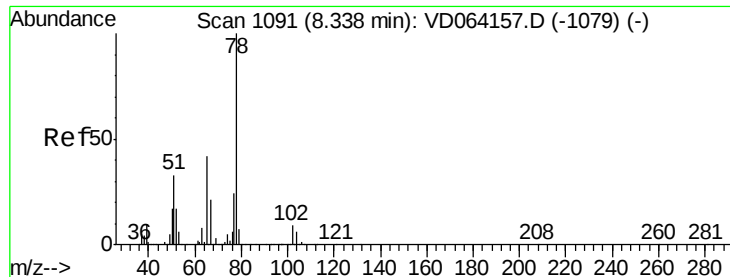
99 64.7 51.6 77.4

61 42.9 34.2 51.2



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 50.045 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

Instrument :

MSVOA_D

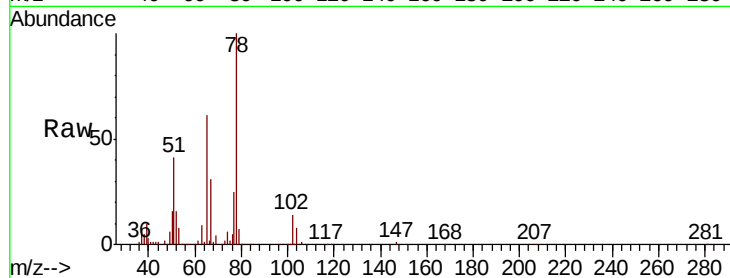
ClientSampled :

Tot Ion: 65 Resp: 208737

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

60000

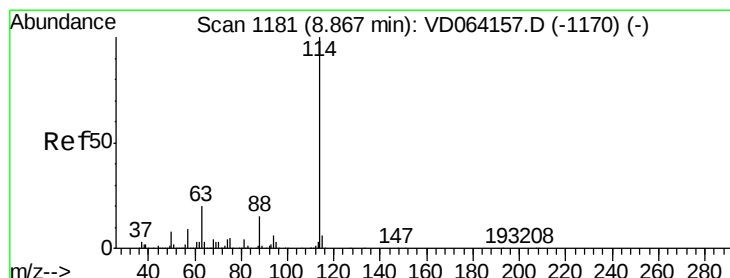
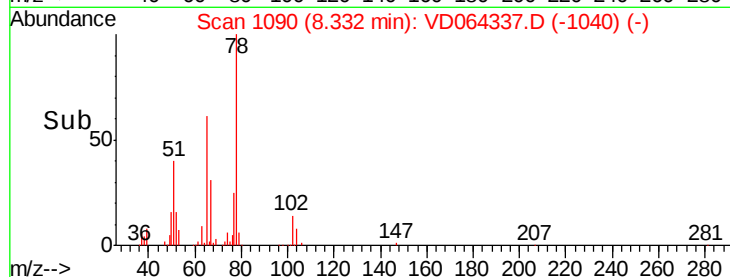
40000

20000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

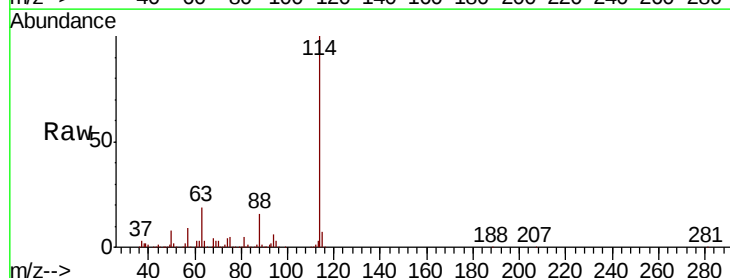
Tgt Ion: 114 Resp: 739426

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

88 15.5 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

500000

400000

300000

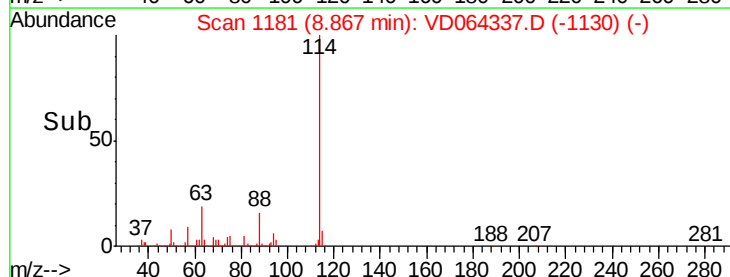
200000

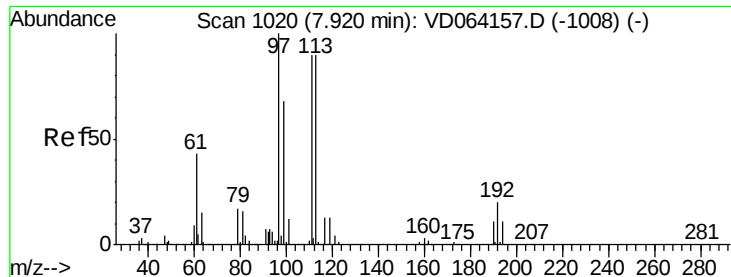
100000

0

8.80 8.90 9.00

Time-->

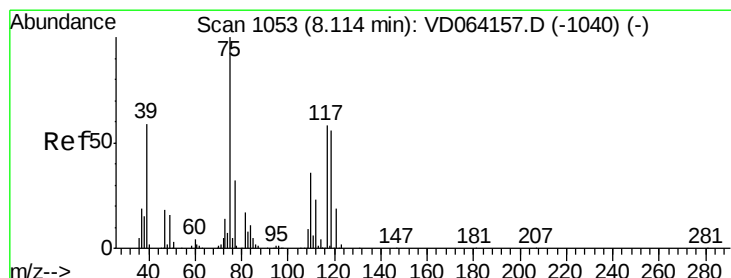
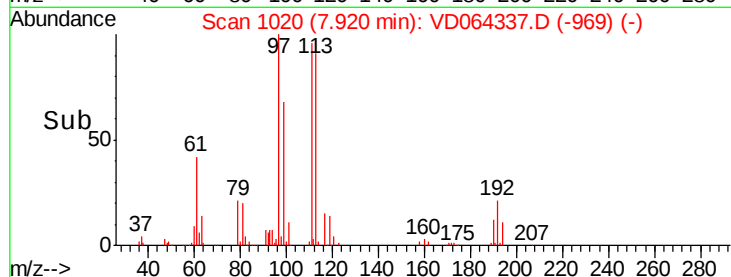
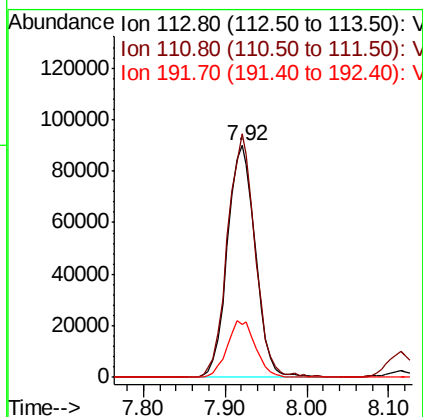
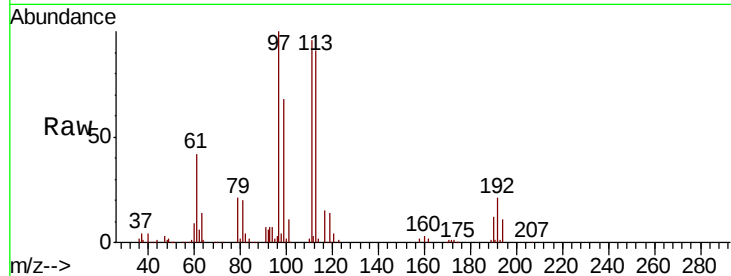




#35
 Dibromofluoromethane
 Concen: 50.415 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064337.D
 Acq: 21 Nov 2019 21:14

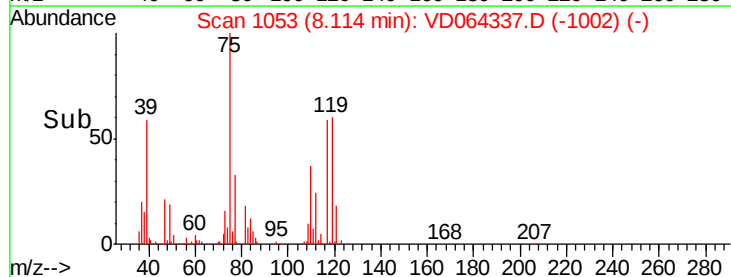
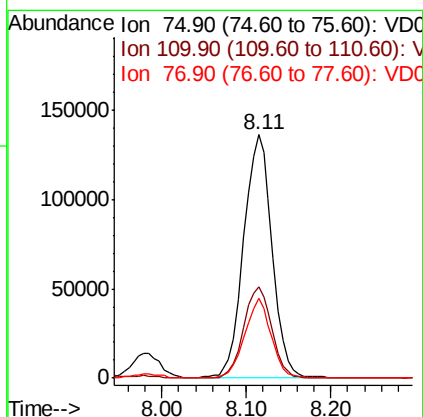
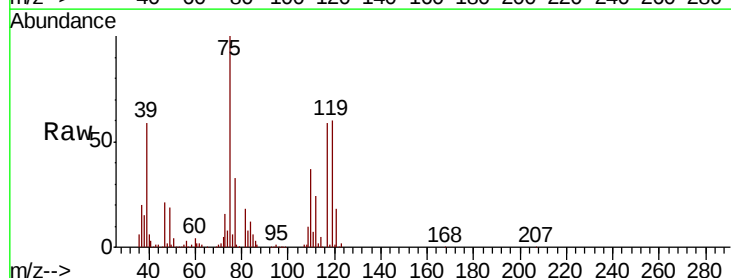
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.5	122.3
192	24.8	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 46.792 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064337.D
 Acq: 21 Nov 2019 21:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.3	54.9
77	30.8	25.0	37.6

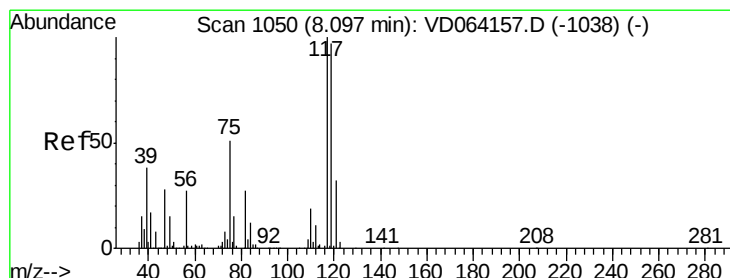
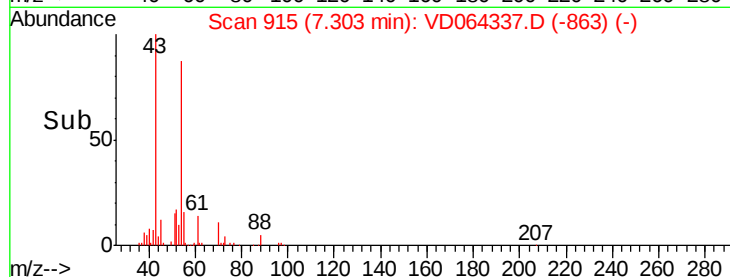
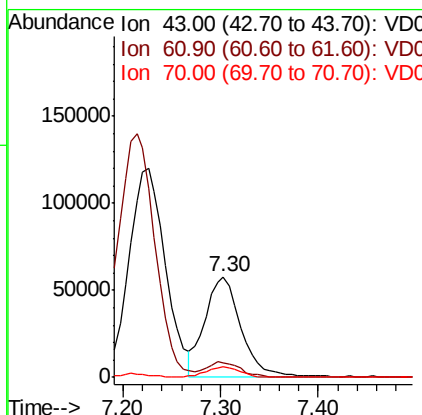
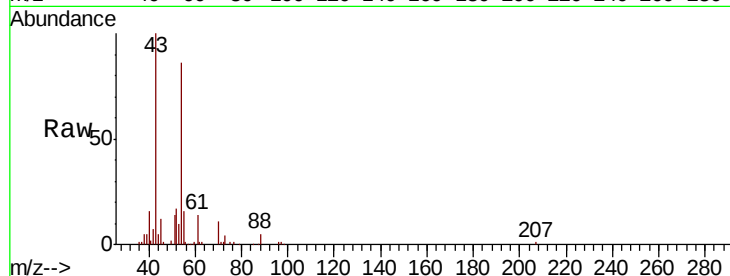




#37
Ethyl Acetate
Concen: 50.578 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064337.D
Acq: 21 Nov 2019 21:14

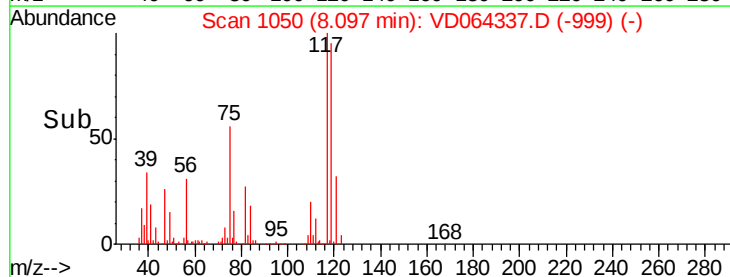
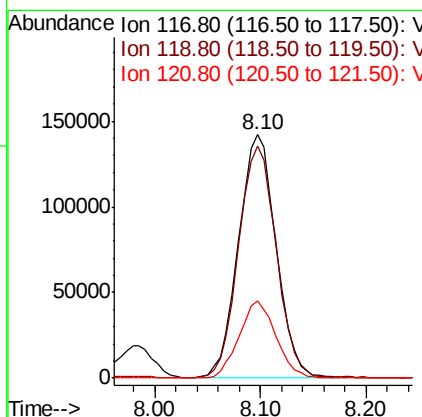
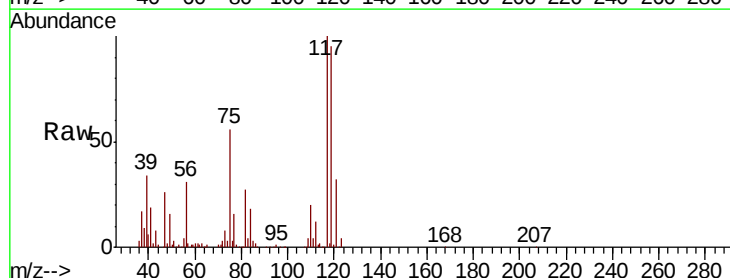
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 145511
Ion Ratio Lower Upper
43 100
61 14.7 10.2 15.2
70 10.4 8.5 12.7



#38
Carbon Tetrachloride
Concen: 47.753 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064337.D
Acq: 21 Nov 2019 21:14

Tgt Ion: 117 Resp: 348695
Ion Ratio Lower Upper
117 100
119 95.4 77.2 115.8
121 31.7 25.5 38.3

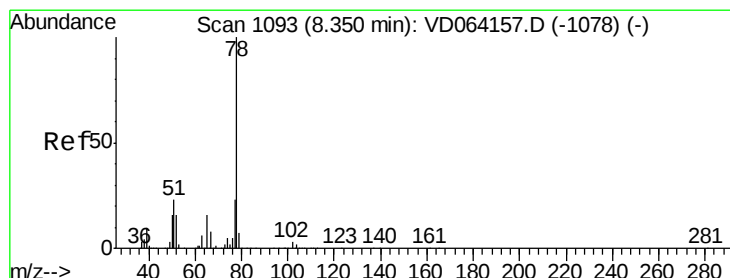
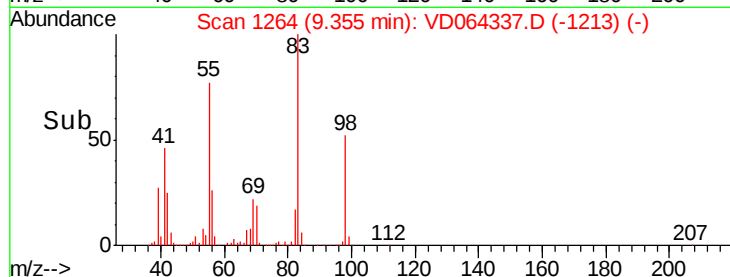
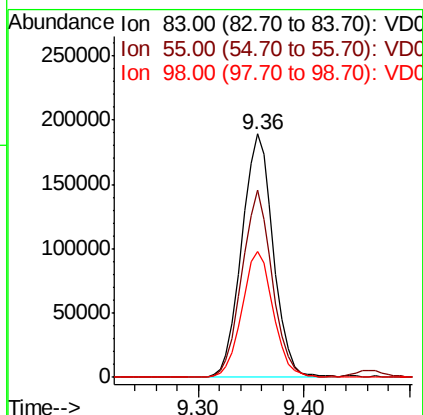
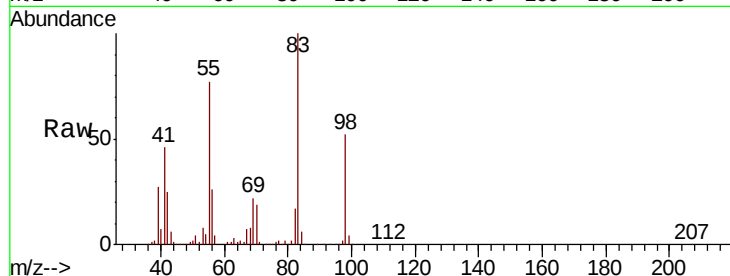




#39
Methvlcvclohexane
Concen: 45.343 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064337.D
Acq: 21 Nov 2019 21:14

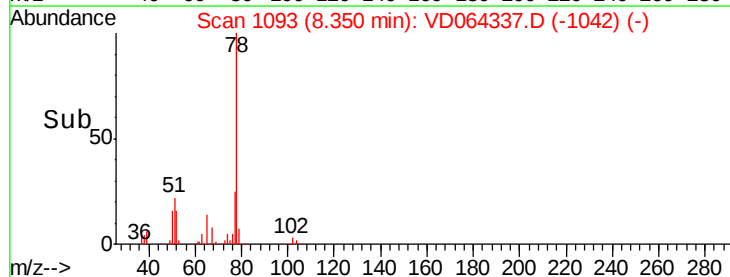
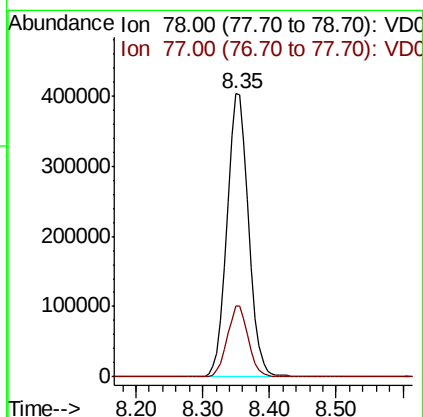
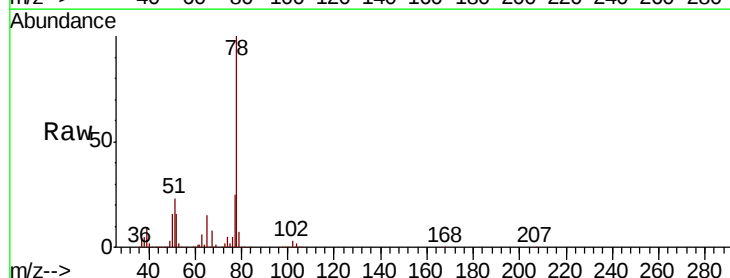
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 391547
Ion Ratio Lower Upper
83 100
55 77.0 61.7 92.5
98 51.6 38.6 58.0



#40
Benzene
Concen: 49.345 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064337.D
Acq: 21 Nov 2019 21:14

Tgt Ion: 78 Resp: 920320
Ion Ratio Lower Upper
78 100
77 24.9 18.6 28.0

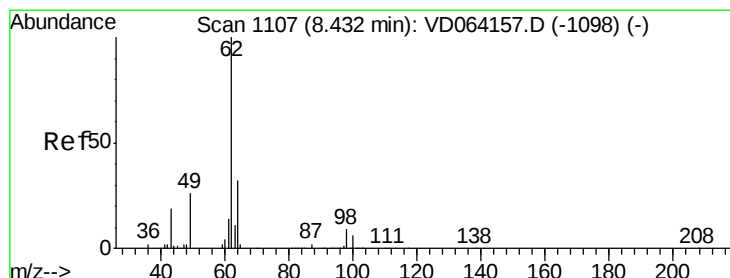
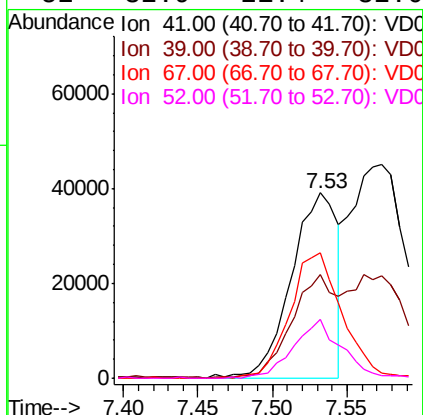
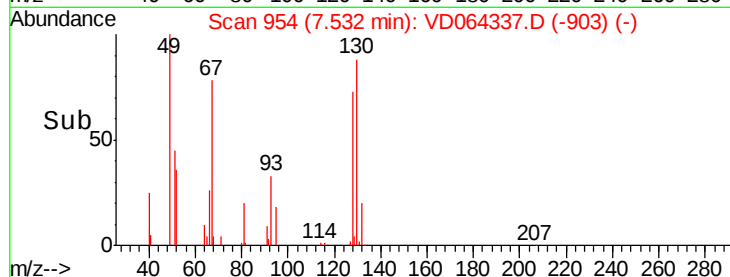
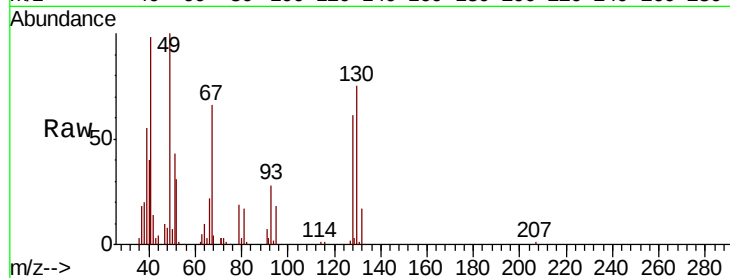




#41
Methacrylonitrile
Concen: 46.563 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD064337.D
Acq: 21 Nov 2019 21:14

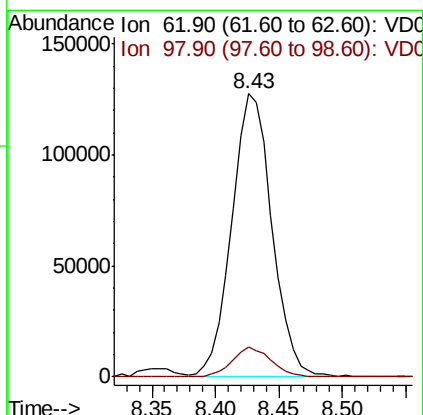
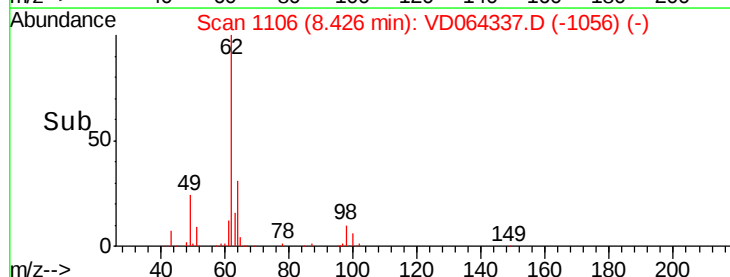
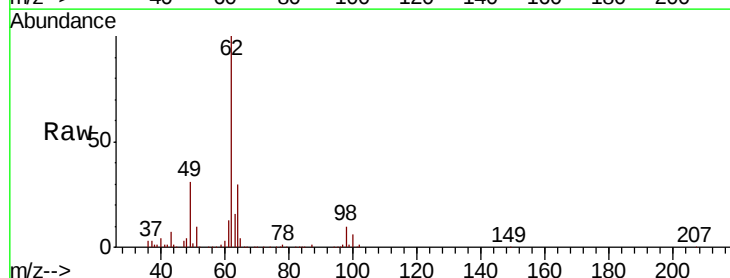
Instrument :
MSVOA_D
ClientSampleID :

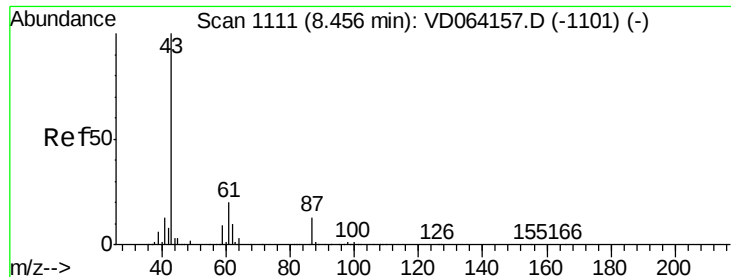
Tot Ion	Ratio	Lower	Upper
41	100		
39	54.1	49.4	74.2
67	76.4	49.6	74.4#
52	32.9	21.4	32.0#



#42
1,2-Dichloroethane
Concen: 49.706 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064337.D
Acq: 21 Nov 2019 21:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.0





#43

Isopropyl Acetate

Concen: 50.163 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

Instrument :

MSVOA_D

ClientSampleId :

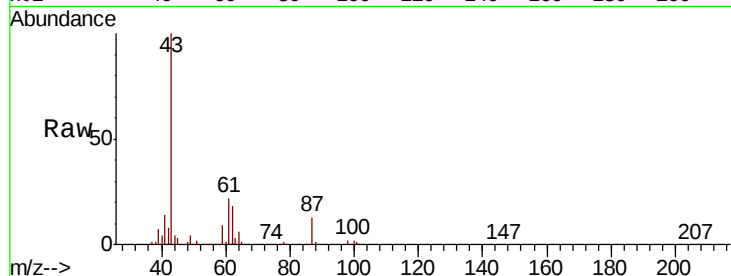
Tot Ion: 43 Resp: 297353

Ion Ratio Lower Upper

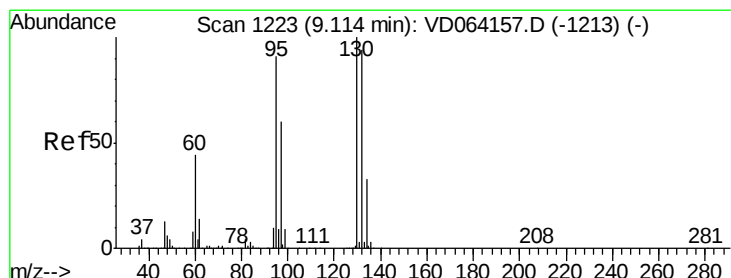
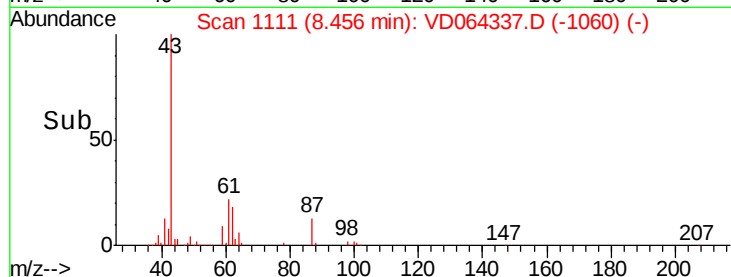
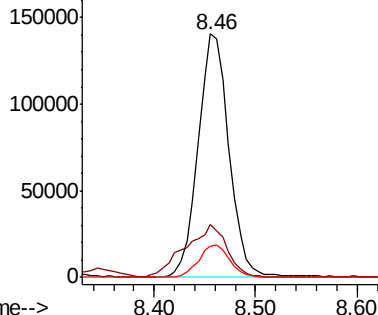
43 100

61 29.4 22.9 34.3

87 13.4 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 50.502 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064337.D

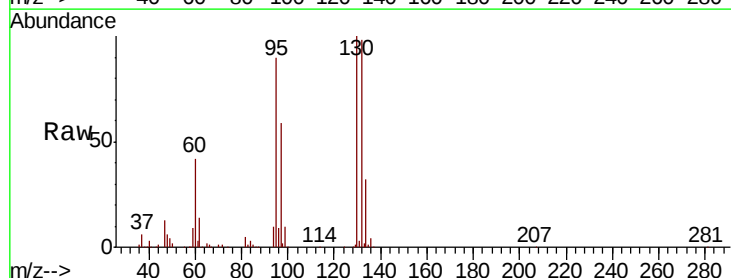
Acq: 21 Nov 2019 21:14

Tgt Ion:130 Resp: 282699

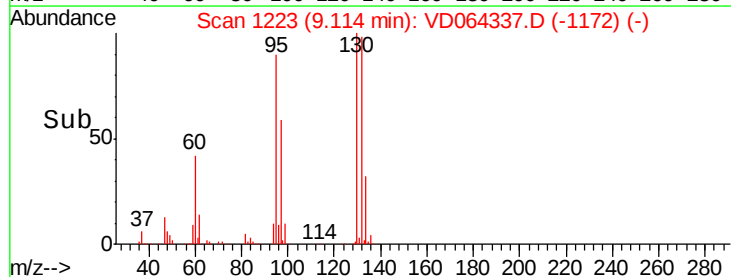
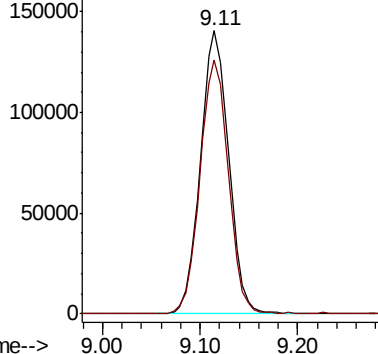
Ion Ratio Lower Upper

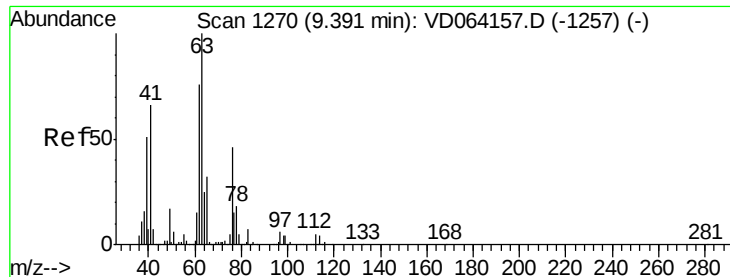
130 100

95 89.9 0.0 181.6



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

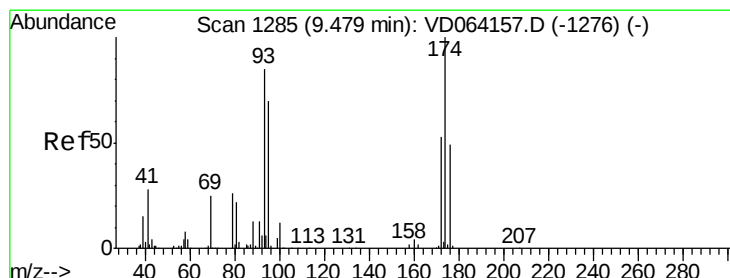
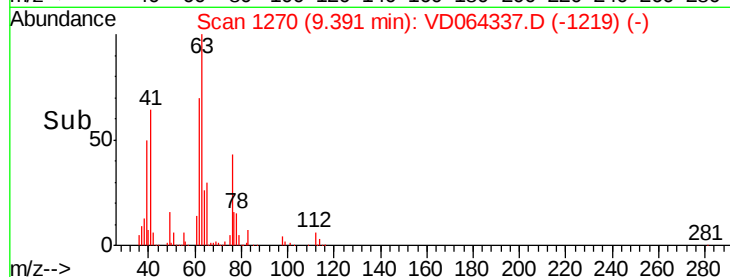
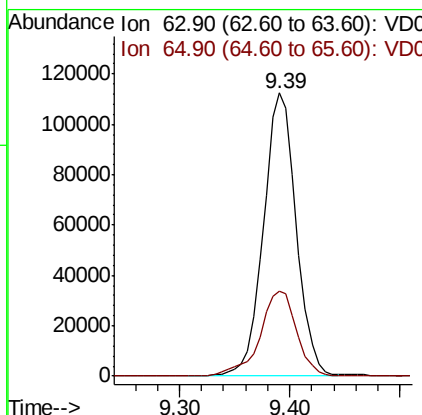
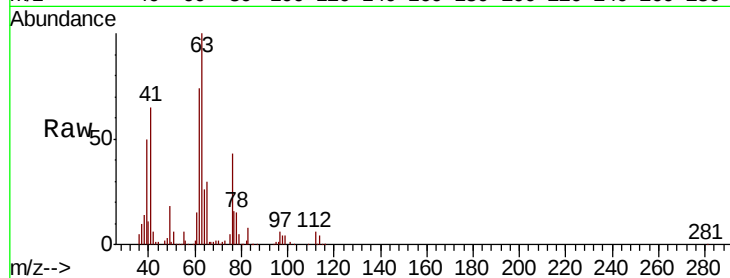




#45
 1,2-Dichloropropane
 Concen: 51.228 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064337.D
 Acq: 21 Nov 2019 21:14

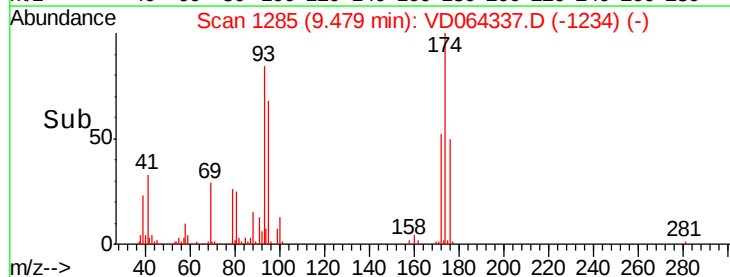
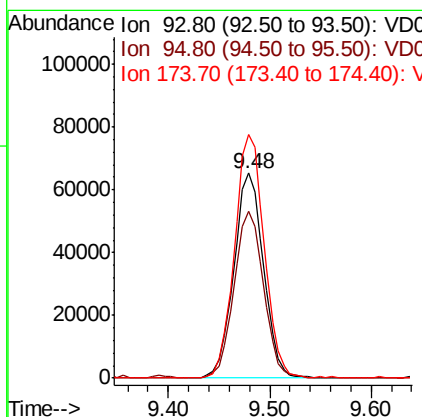
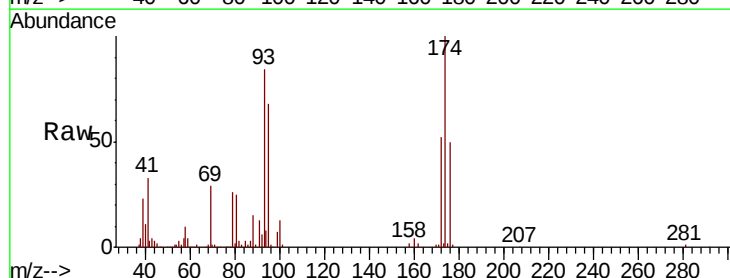
Instrument :
 MSVOA_D
 ClientSampleId :

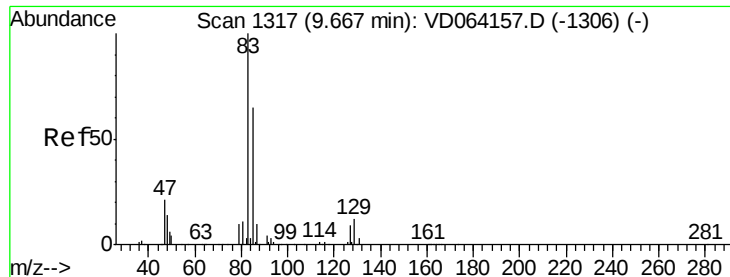
Tot Ion: 63 Resp: 232553
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.7 38.5



#46
 Dibromomethane
 Concen: 54.469 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064337.D
 Acq: 21 Nov 2019 21:14

Tgt Ion: 93 Resp: 132375
 Ion Ratio Lower Upper
 93 100
 95 81.6 65.5 98.3
 174 118.9 93.9 140.9





#47

Bromodichloromethane

Concen: 52.334 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

Instrument :
MSVOA_D
ClientSampleId :

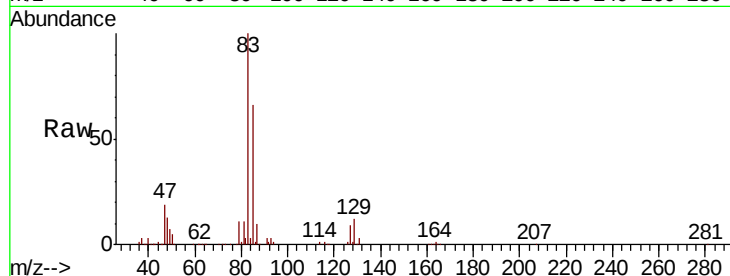
Tot Ion: 83 Resp: 342595

Ion Ratio Lower Upper

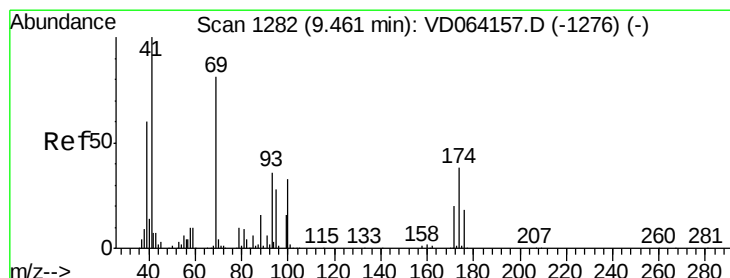
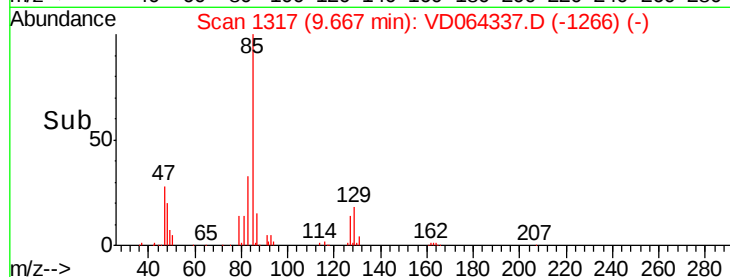
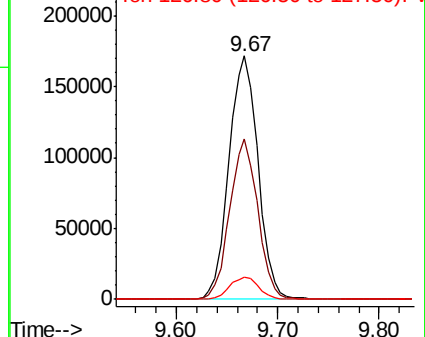
83 100

85 66.0 52.2 78.4

127 9.3 7.5 11.3



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 47.520 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

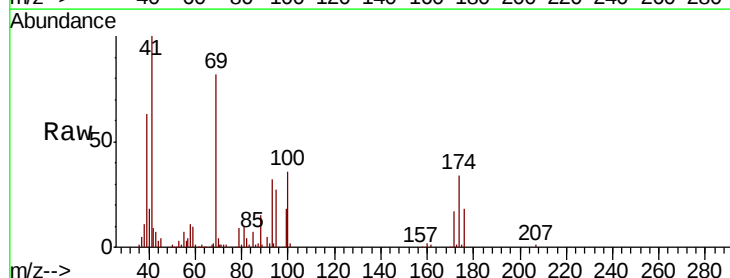
Tgt Ion: 41 Resp: 137738

Ion Ratio Lower Upper

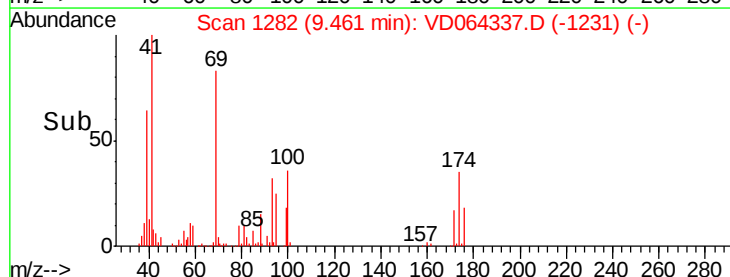
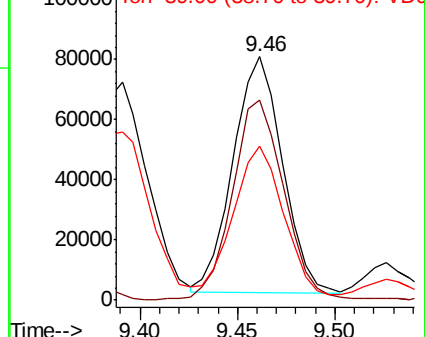
41 100

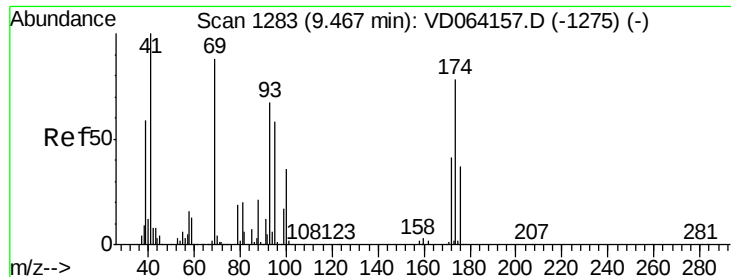
69 88.2 64.6 97.0

39 69.4 48.2 72.2



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

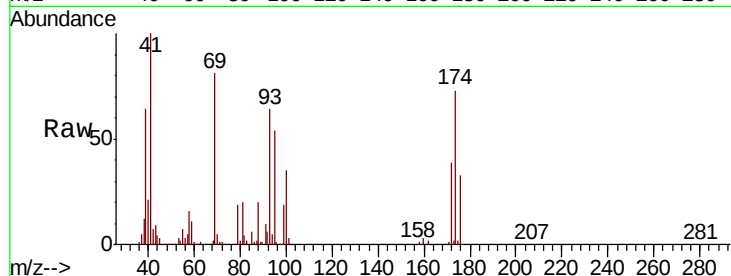




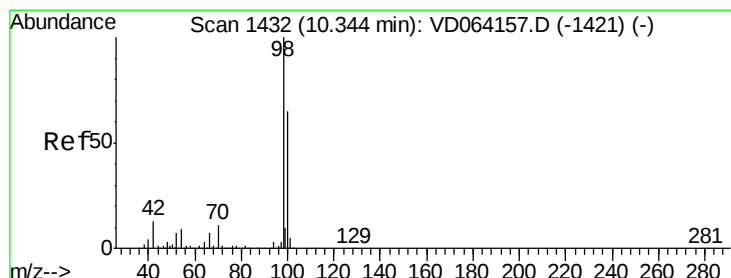
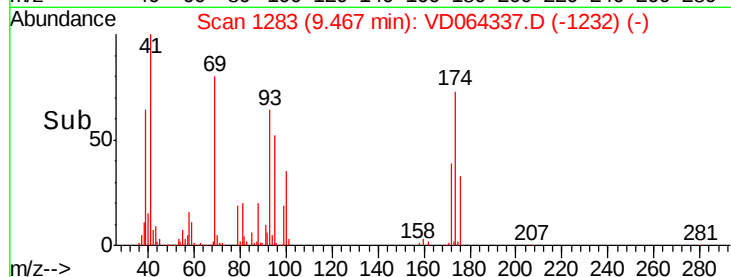
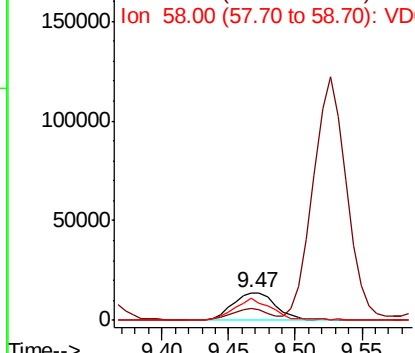
#49
1,4-Dioxane
Concen: 1071.514 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064337.D
Acq: 21 Nov 2019 21:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 31275
Ion Ratio Lower Upper
88 100
43 35.7 29.8 44.8
58 71.5 58.1 87.1

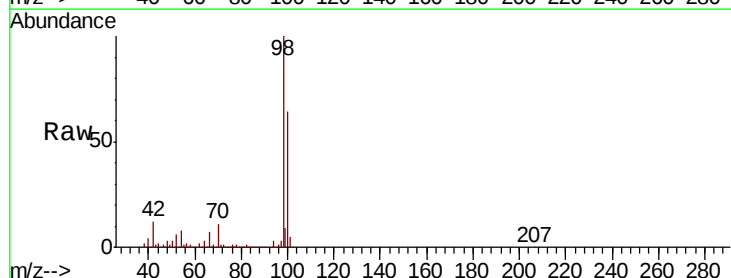


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

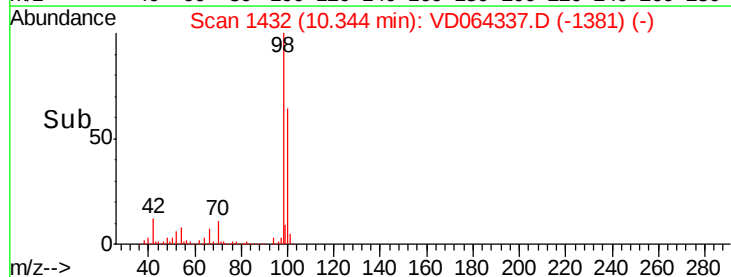
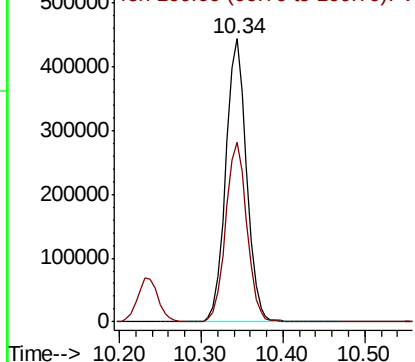


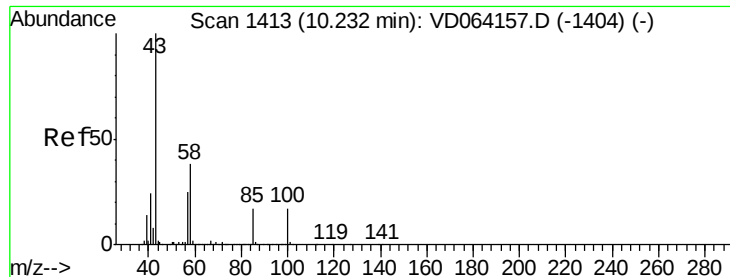
#50
Toluene-d8
Concen: 49.033 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064337.D
Acq: 21 Nov 2019 21:14

Tgt Ion: 98 Resp: 785105
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

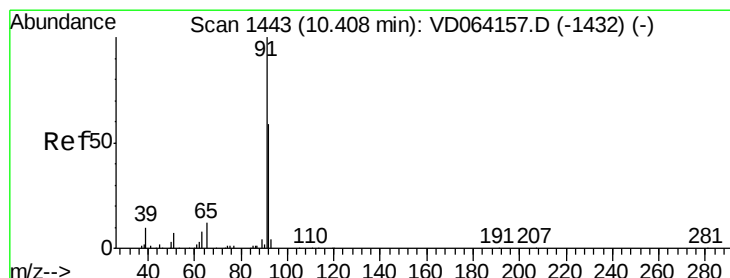
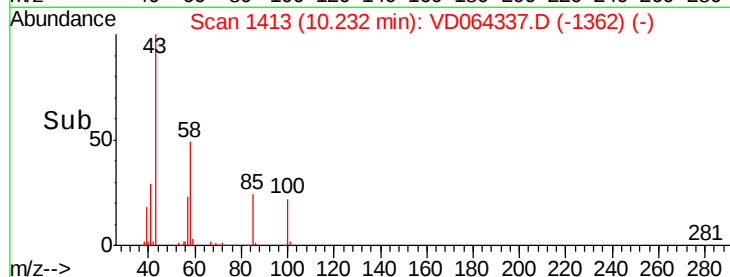
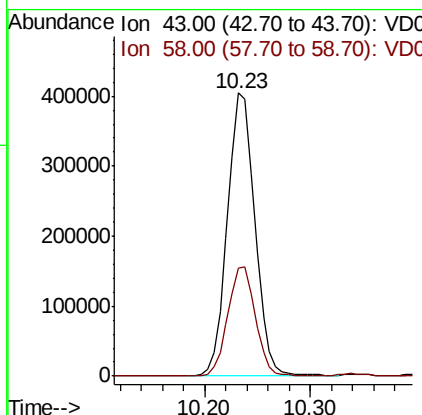
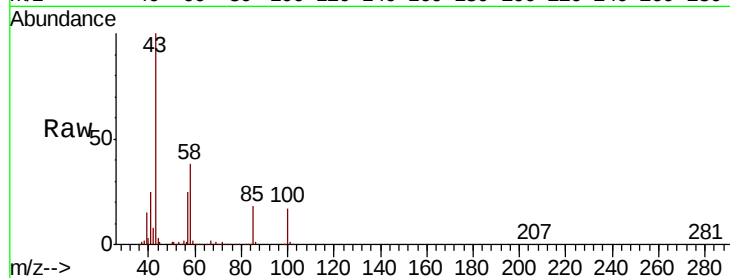




#51
4-Methyl-2-Pentanone
Concen: 256.904 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064337.D
Acq: 21 Nov 2019 21:14

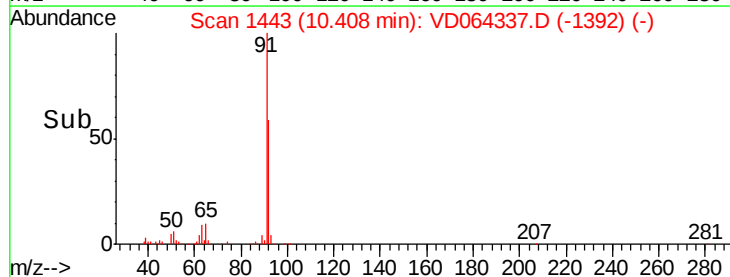
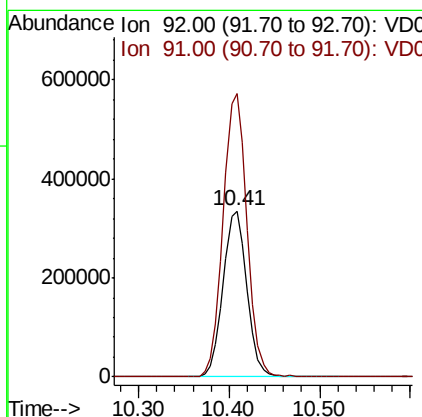
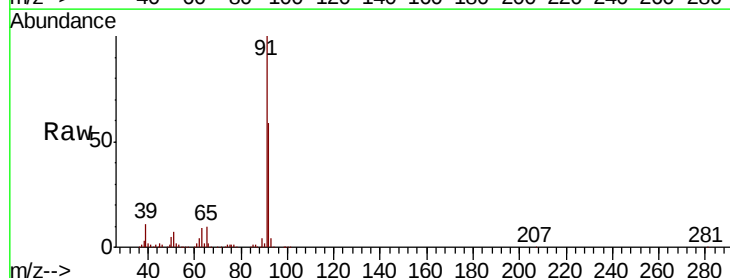
Instrument :
MSVOA_D
ClientSampleId :

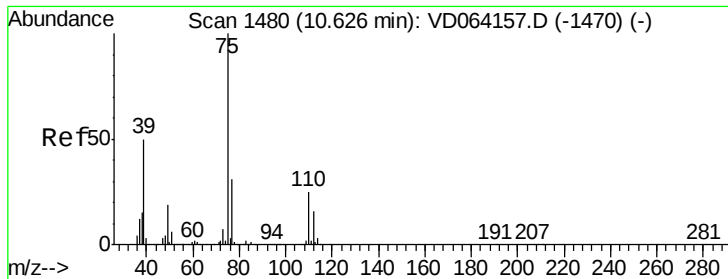
Tot Ion: 43 Resp: 730272
Ion Ratio Lower Upper
43 100
58 38.6 30.2 45.4



#52
Toluene
Concen: 49.577 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD064337.D
Acq: 21 Nov 2019 21:14

Tgt Ion: 92 Resp: 608015
Ion Ratio Lower Upper
92 100
91 171.9 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 49.837 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

Instrument :

MSVOA_D

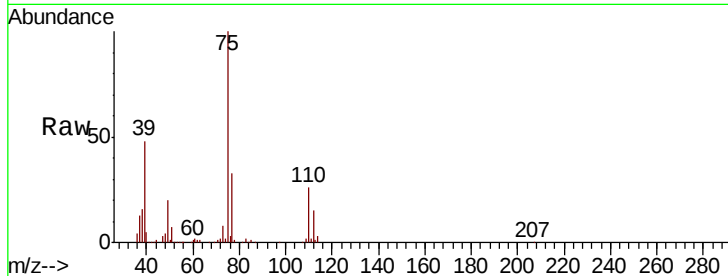
ClientSampleId :

Tot Ion: 75 Resp: 326845

Ion Ratio Lower Upper

75 100

77 32.7 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

200000

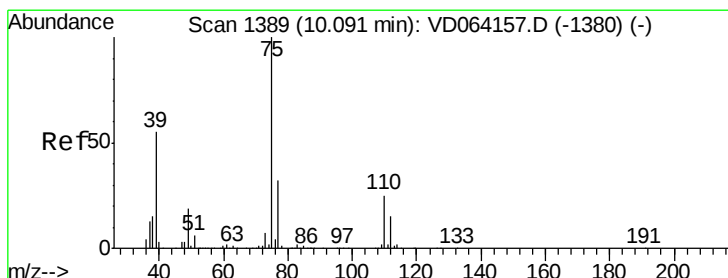
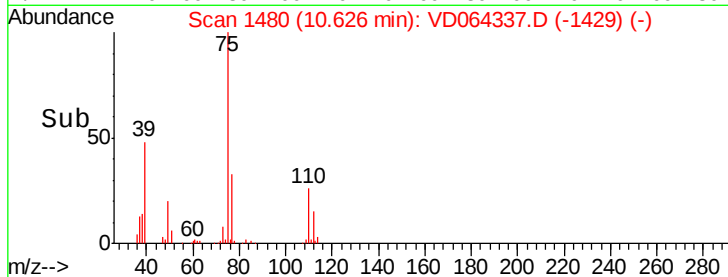
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.803 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

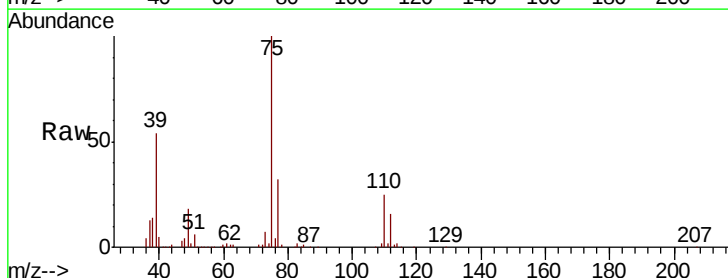
Tgt Ion: 75 Resp: 381140

Ion Ratio Lower Upper

75 100

77 32.2 25.2 37.8

39 53.9 44.2 66.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

250000

200000

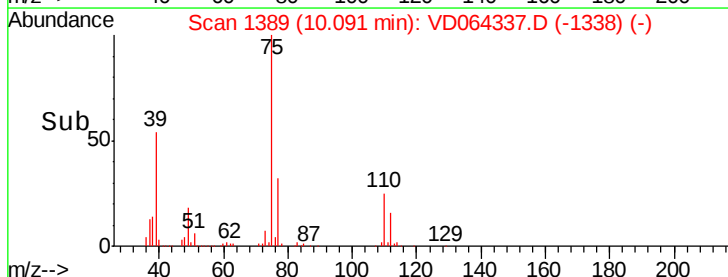
150000

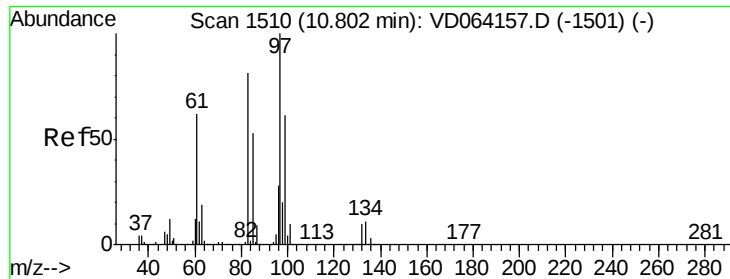
100000

50000

0

Time-->

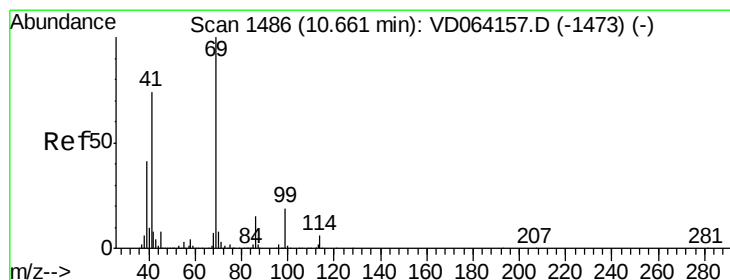
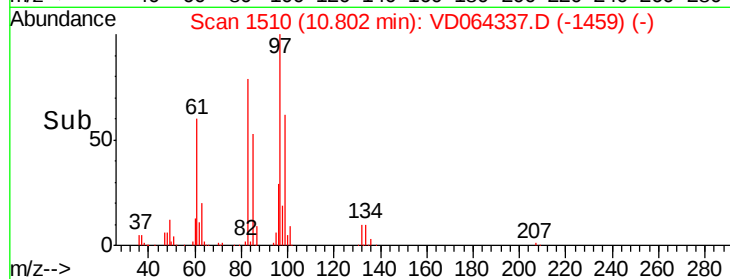
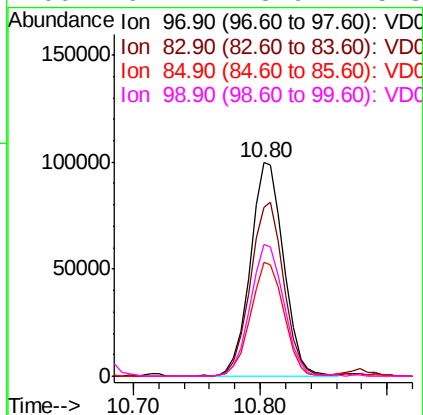
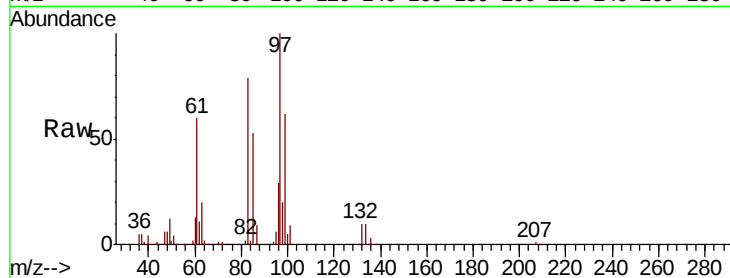




#55
 1,1,2-Trichloroethane
 Concen: 55.428 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064337.D
 Acq: 21 Nov 2019 21:14

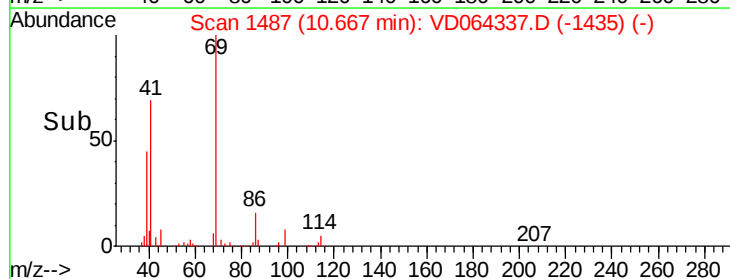
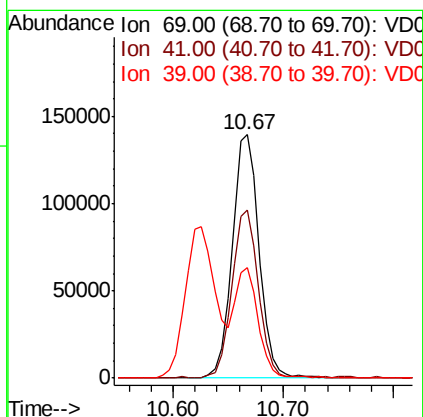
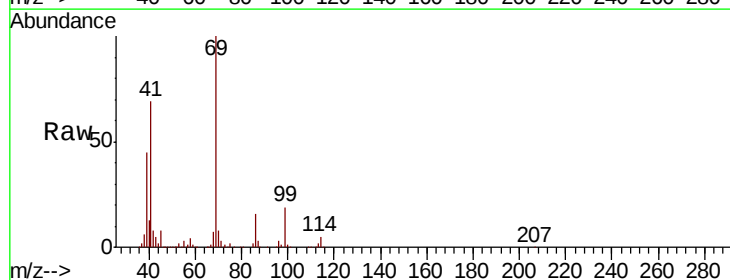
Instrument :
 MSVOA_D
 ClientSampleId :

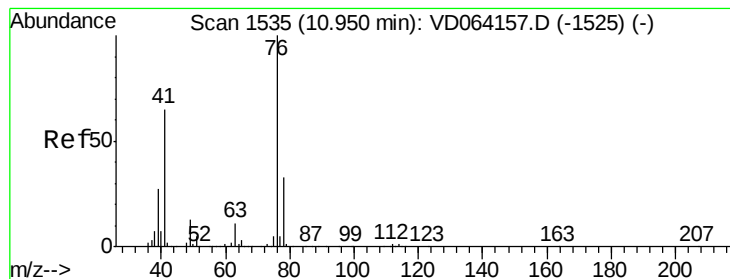
Tot Ion:	97	Resp:	182737
Ion	Ratio	Lower	Upper
97	100		
83	79.1	65.1	97.7
85	53.5	42.0	63.0
99	61.7	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 51.471 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064337.D
 Acq: 21 Nov 2019 21:14

Tgt Ion:	69	Resp:	237377
Ion	Ratio	Lower	Upper
69	100		
41	67.9	57.9	86.9
39	39.4	29.0	43.4





#57

1,3-Dichloropropane

Concen: 53.750 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

Instrument :

MSVOA_D

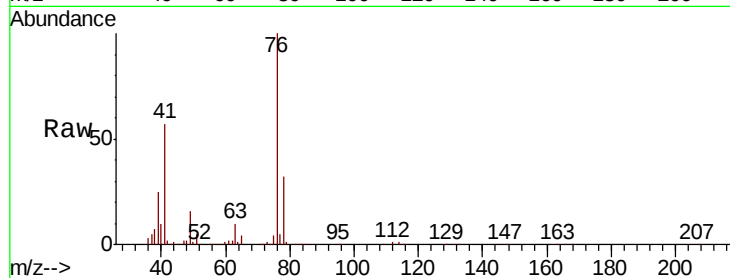
ClientSampleId :

Tot Ion: 76 Resp: 309047

Ion Ratio Lower Upper

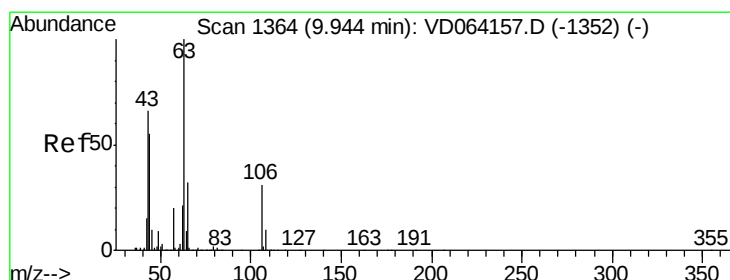
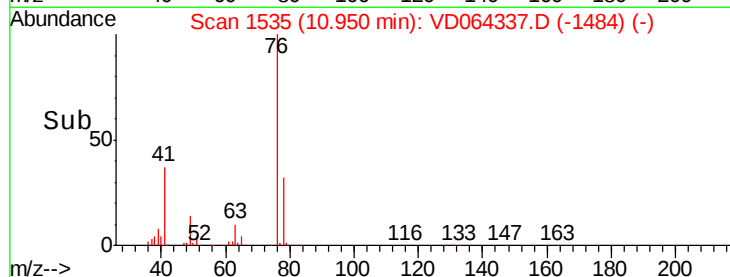
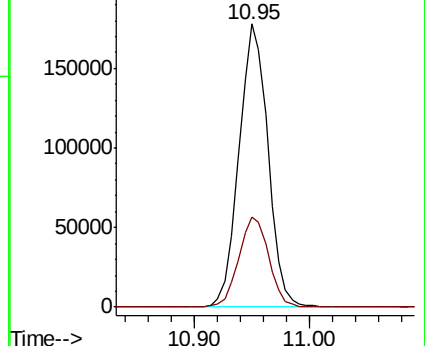
76 100

78 33.1 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 263.807 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064337.D

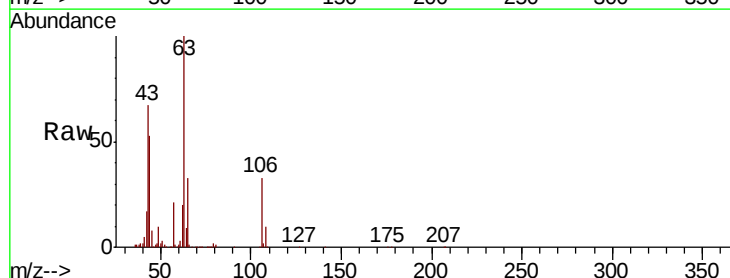
Acq: 21 Nov 2019 21:14

Tgt Ion: 63 Resp: 492833

Ion Ratio Lower Upper

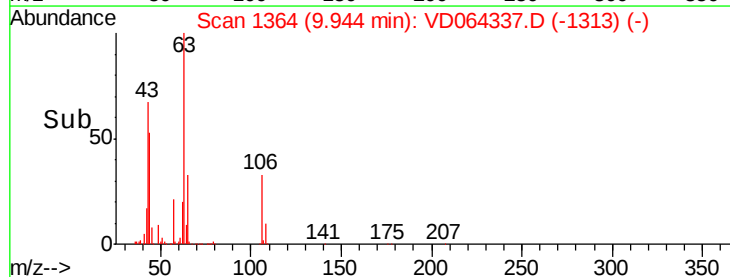
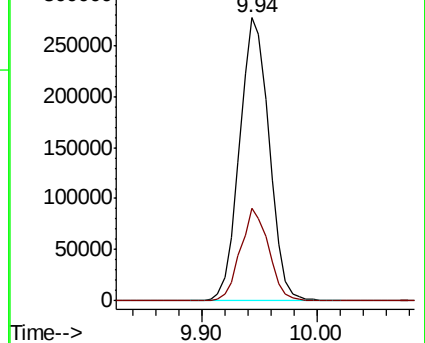
63 100

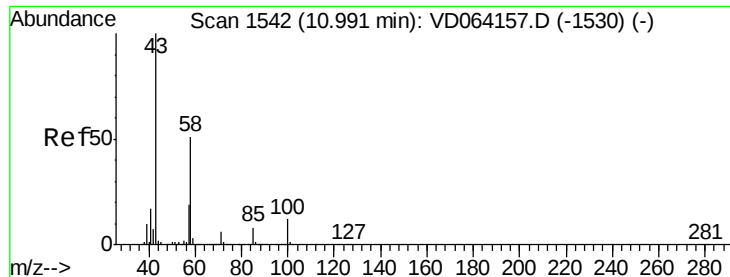
106 31.4 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

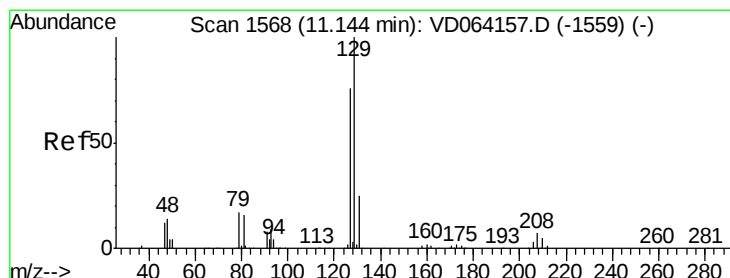
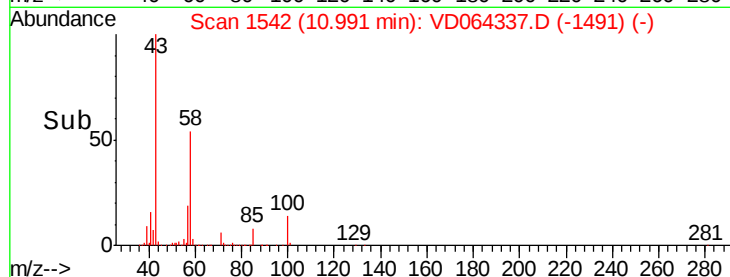
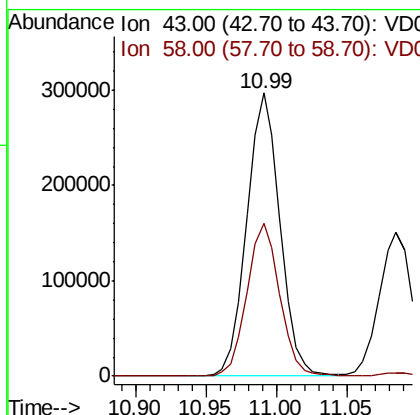
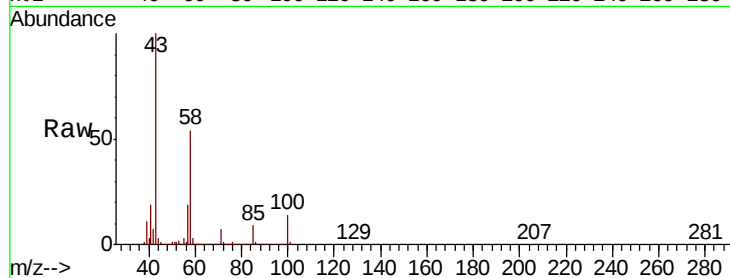




#59
2-Hexanone
Concen: 241.529 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064337.D
Acq: 21 Nov 2019 21:14

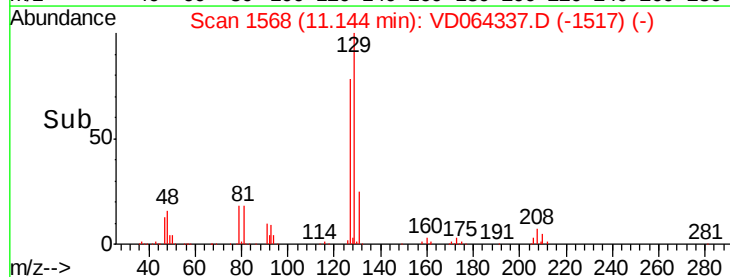
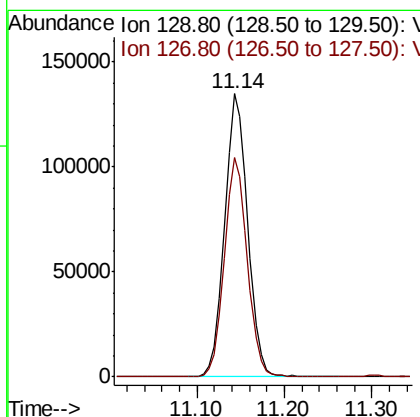
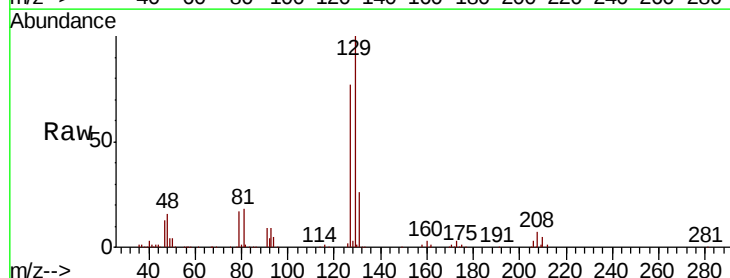
Instrument :
MSVOA_D
ClientSampleId :

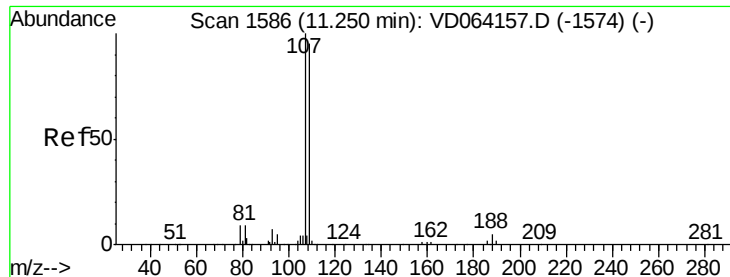
Tot Ion: 43 Resp: 488453
Ion Ratio Lower Upper
43 100
58 53.5 25.9 77.7



#60
Dibromochloromethane
Concen: 53.140 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064337.D
Acq: 21 Nov 2019 21:14

Tgt Ion:129 Resp: 244462
Ion Ratio Lower Upper
129 100
127 76.6 38.6 115.8

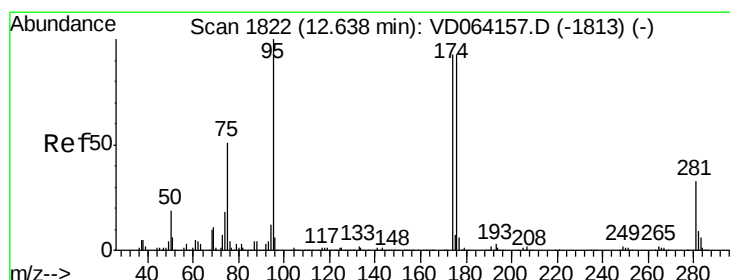
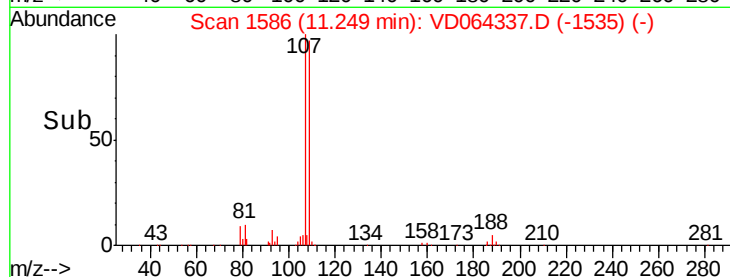
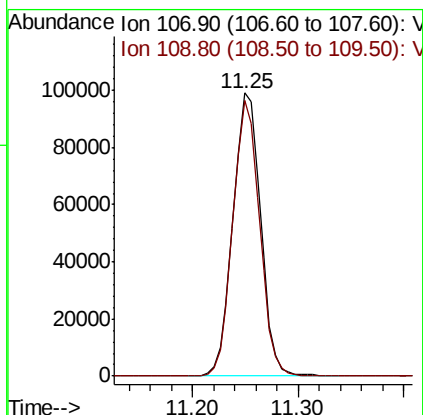
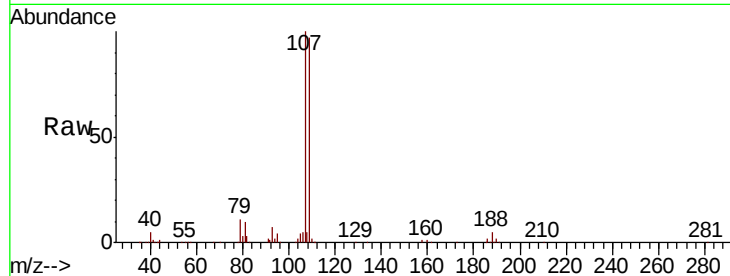




#61
 1,2-Dibromoethane
 Concen: 54.276 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064337.D
 Acq: 21 Nov 2019 21:14

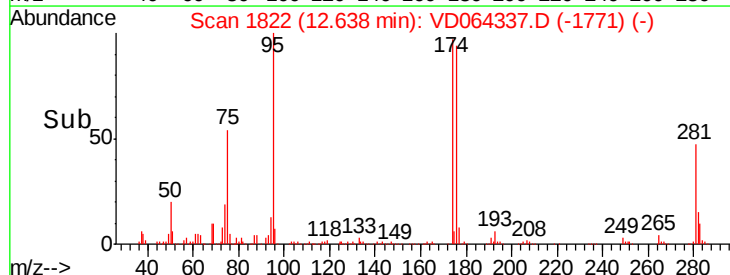
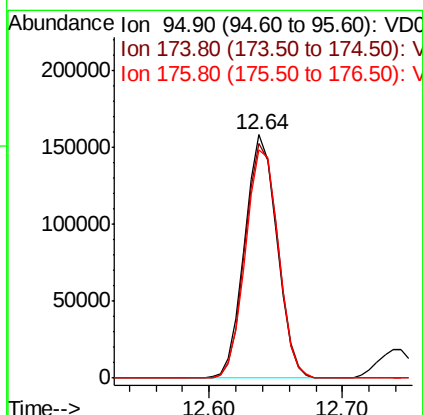
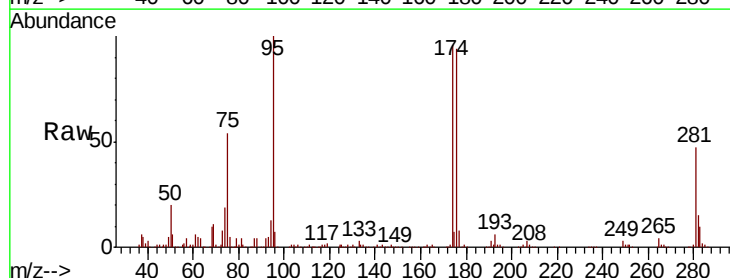
Instrument :
 MSVOA_D
 ClientSampled :

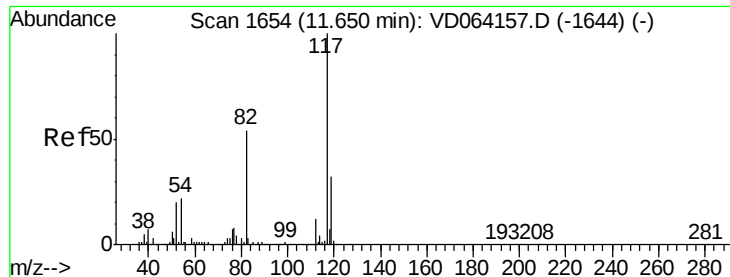
Tot Ion: 107 Resp: 179228
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 47.777 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064337.D
 Acq: 21 Nov 2019 21:14

Tgt Ion: 95 Resp: 264923
 Ion Ratio Lower Upper
 95 100
 174 98.0 0.0 183.6
 176 95.3 0.0 180.2

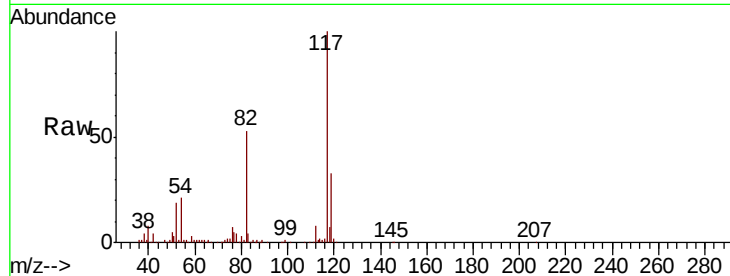




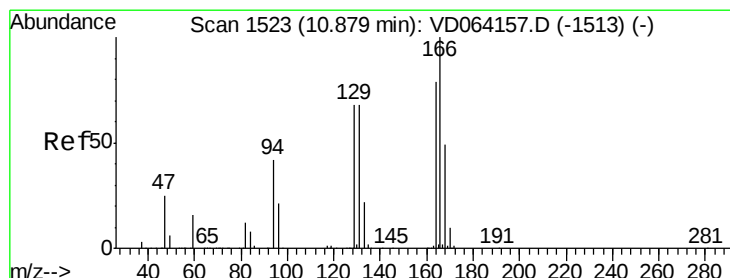
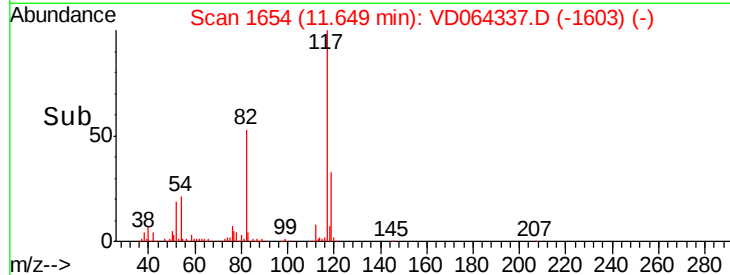
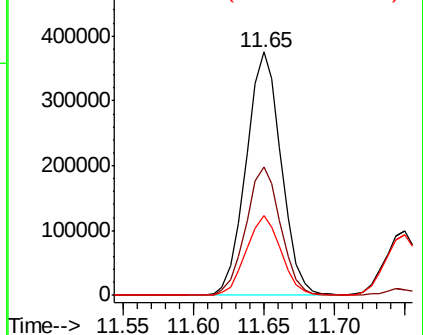
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064337.D
Acq: 21 Nov 2019 21:14

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 655307
Ion Ratio Lower Upper
117 100
82 52.9 42.8 64.2
119 32.7 25.6 38.4

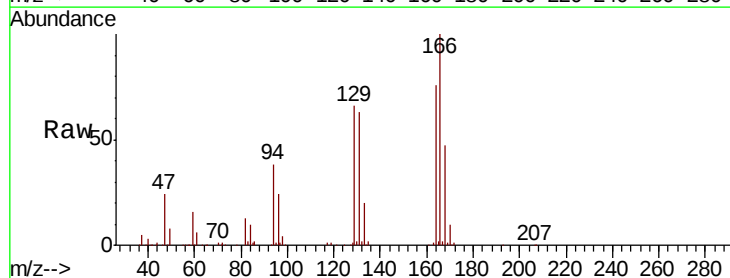


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

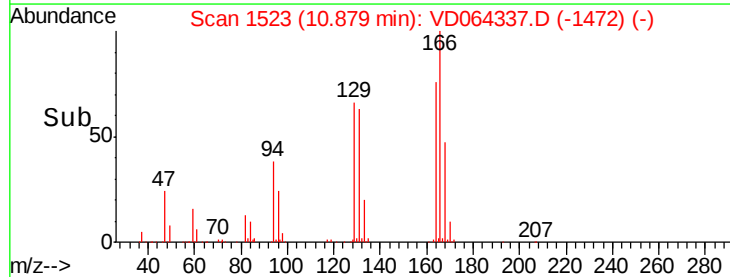
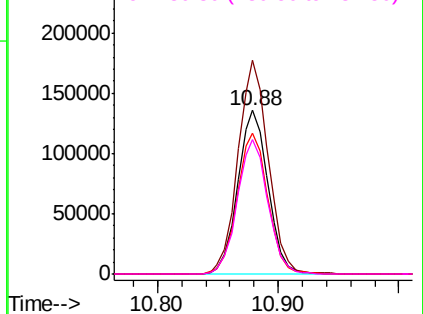


#64
Tetrachloroethene
Concen: 46.984 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064337.D
Acq: 21 Nov 2019 21:14

Tgt Ion:164 Resp: 236793
Ion Ratio Lower Upper
164 100
166 130.8 100.8 151.2
129 85.9 68.7 103.1
131 82.5 68.1 102.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

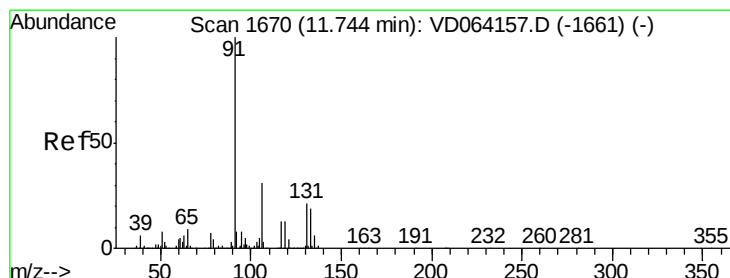
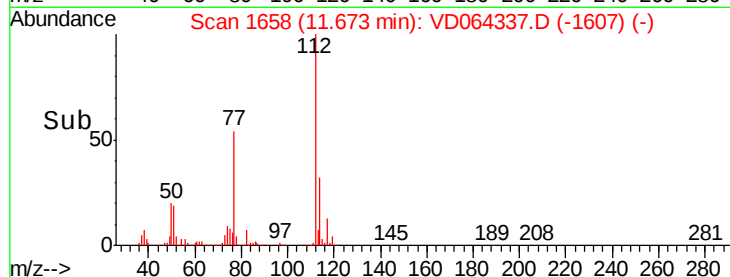
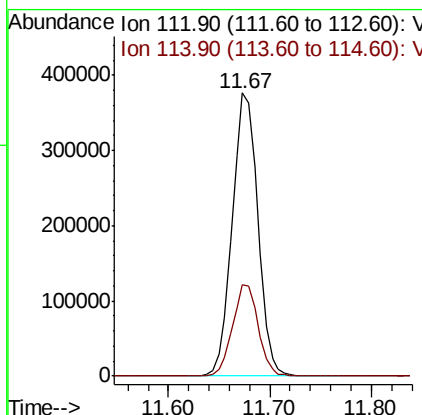
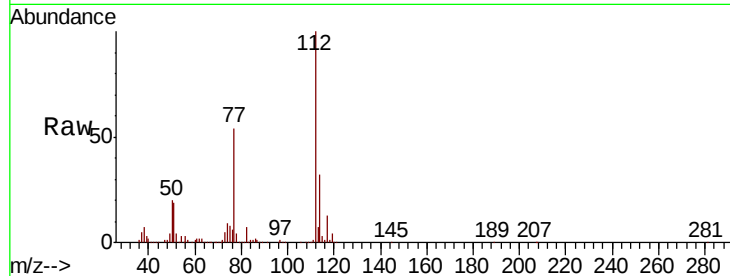




#65
Chlorobenzene
Concen: 49.744 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064337.D
Acq: 21 Nov 2019 21:14

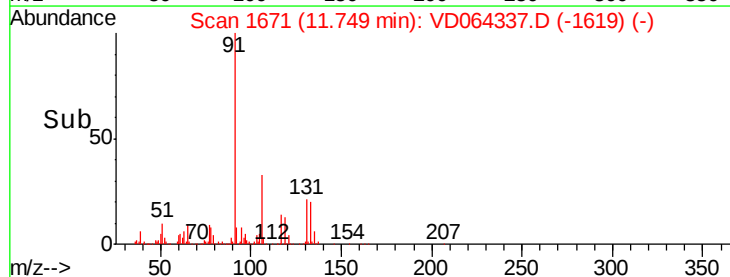
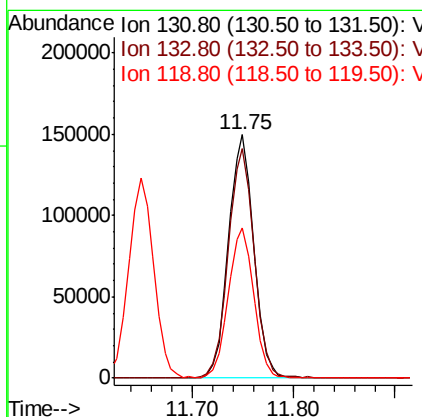
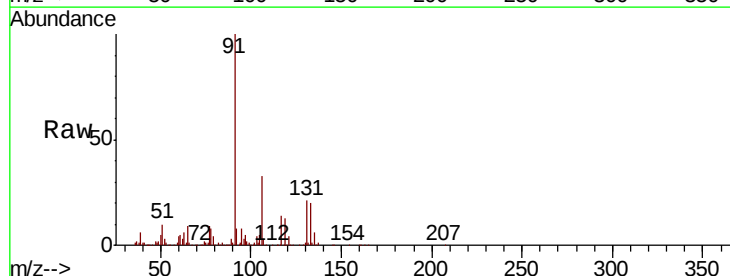
Instrument :
MSVOA_D
ClientSampleId :

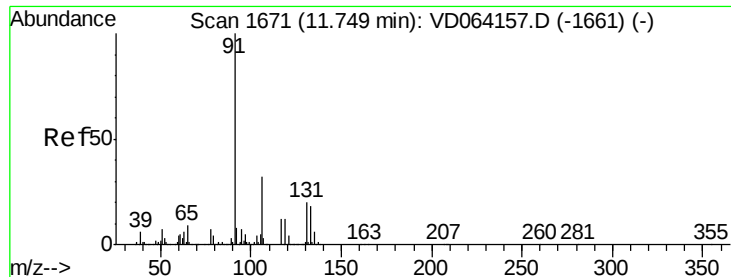
Tot Ion:112 Resp: 662870
Ion Ratio Lower Upper
112 100
114 32.3 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 51.178 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064337.D
Acq: 21 Nov 2019 21:14

Tgt Ion:131 Resp: 259318
Ion Ratio Lower Upper
131 100
133 96.2 47.3 141.9
119 62.0 31.1 93.3





#67

Ethyl Benzene

Concen: 48.297 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

Instrument :

MSVOA_D

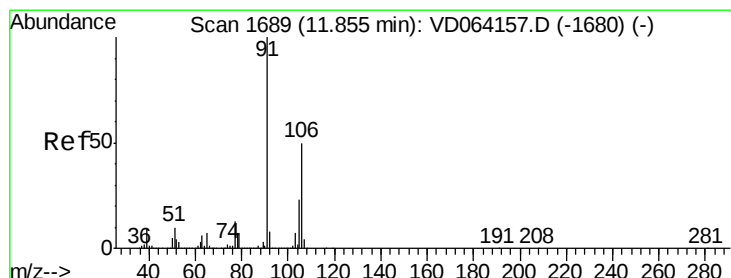
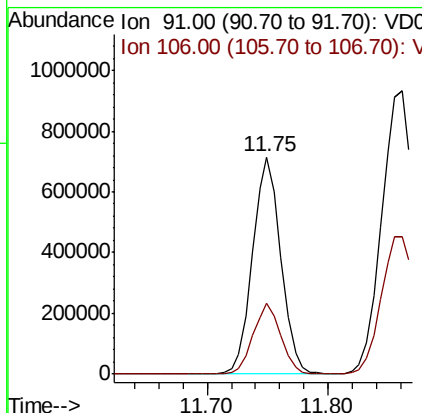
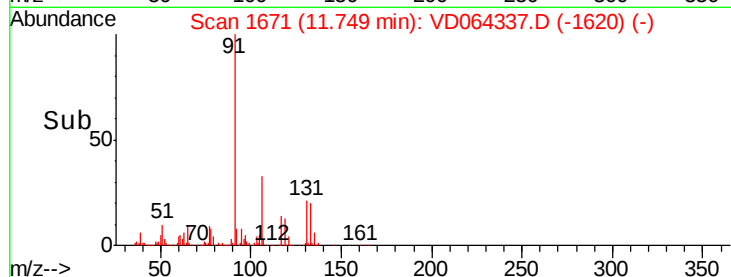
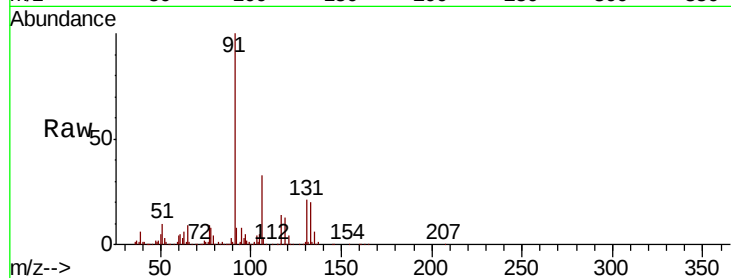
ClientSampleId :

Tot Ion: 91 Resp: 1164153

Ion Ratio Lower Upper

91 100

106 32.6 25.5 38.3



#68

m/p-Xylenes

Concen: 97.175 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064337.D

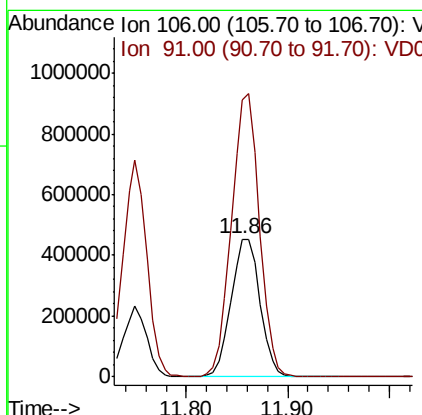
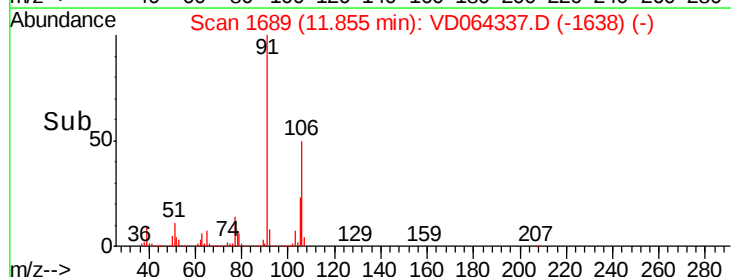
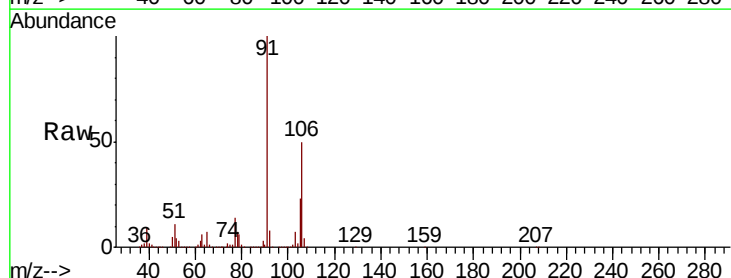
Acq: 21 Nov 2019 21:14

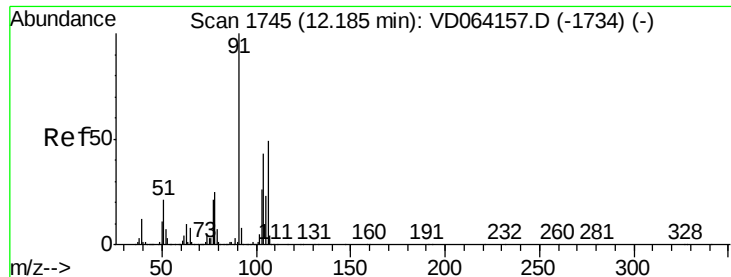
Tgt Ion: 106 Resp: 897808

Ion Ratio Lower Upper

106 100

91 198.5 160.3 240.5

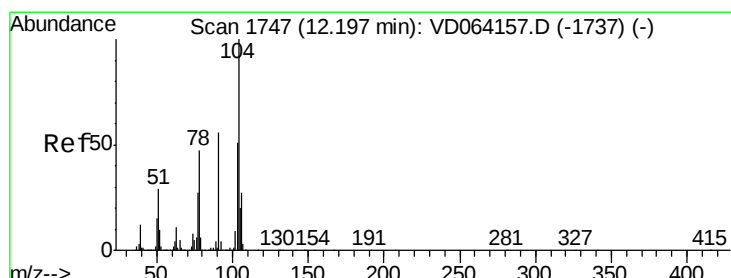
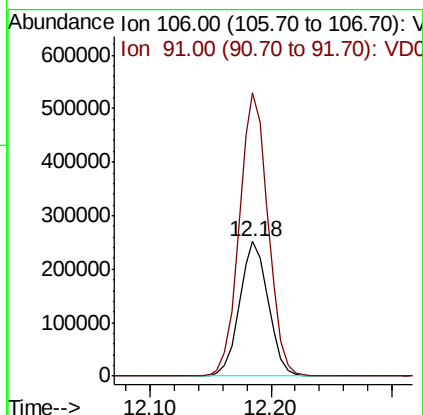
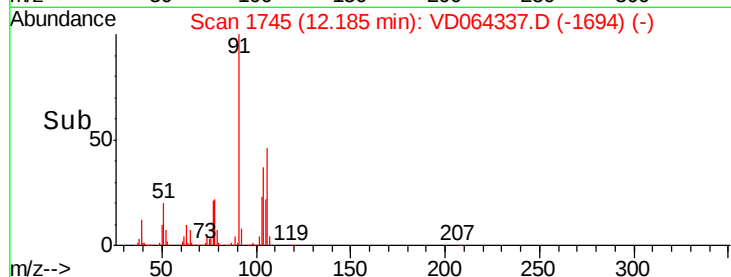
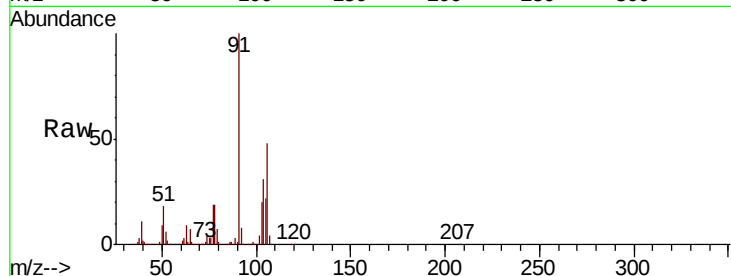




#69
o-Xylene
Concen: 48.517 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064337.D
Acq: 21 Nov 2019 21:14

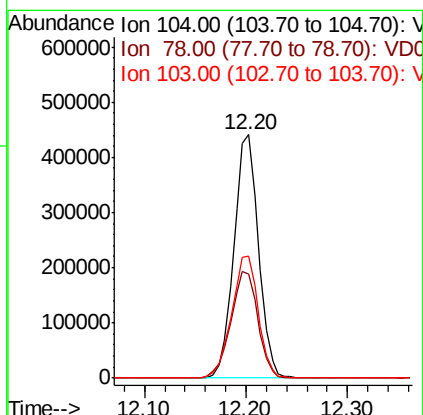
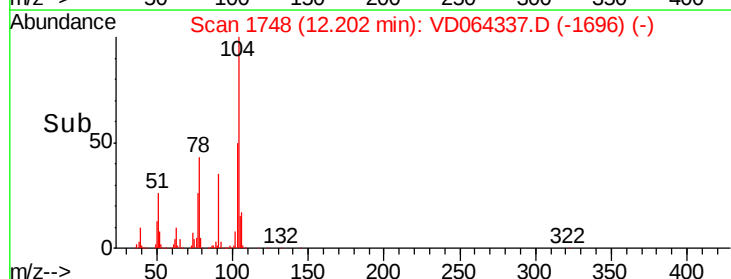
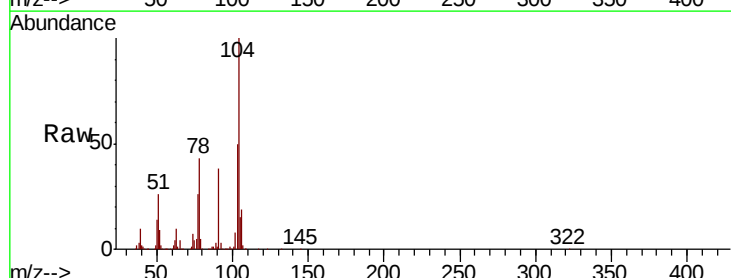
Instrument :
MSVOA_D
ClientSampleId :

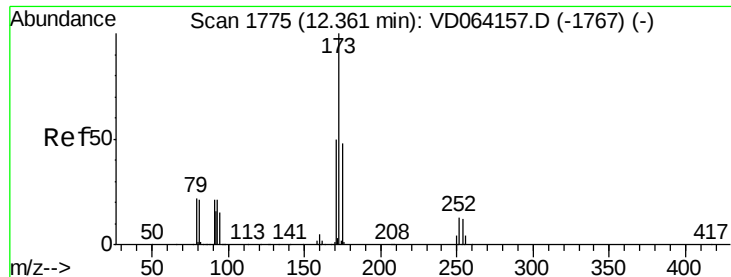
Tot Ion:106 Resp: 415729
Ion Ratio Lower Upper
106 100
91 210.8 105.1 315.3



#70
Styrene
Concen: 49.527 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064337.D
Acq: 21 Nov 2019 21:14

Tgt Ion:104 Resp: 740791
Ion Ratio Lower Upper
104 100
78 48.3 39.9 59.9
103 54.2 43.4 65.0





#71

Bromoform

Concen: 51.376 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

Instrument :

MSVOA_D

ClientSampled :

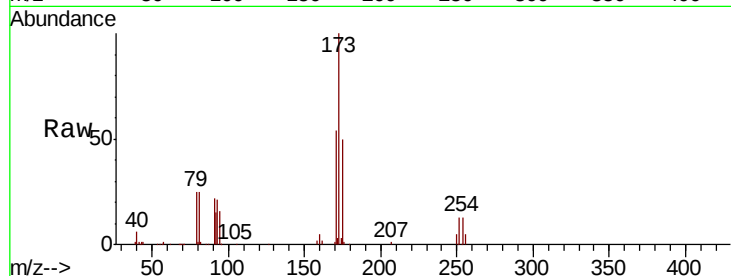
Tot Ion:173 Resp: 148150

Ion Ratio Lower Upper

173 100

175 50.3 24.1 72.3

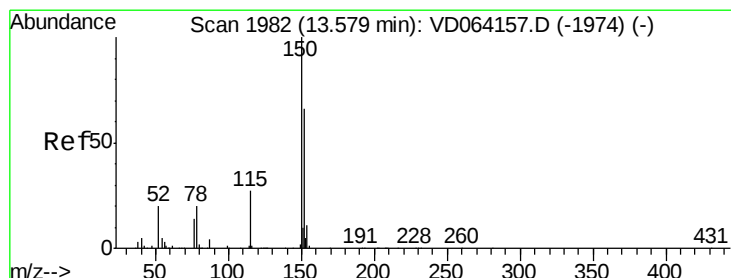
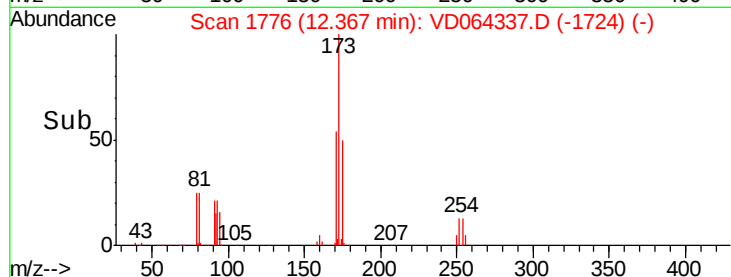
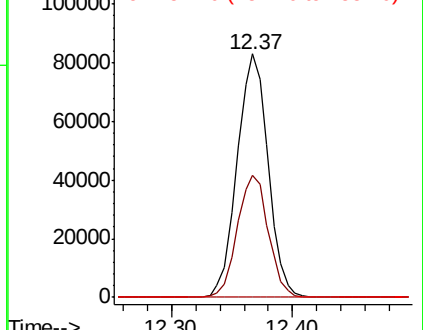
254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

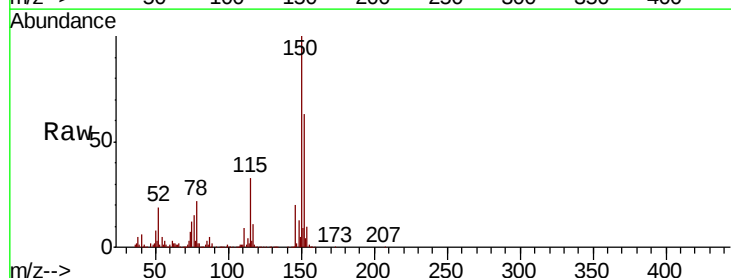
Tgt Ion:152 Resp: 328259

Ion Ratio Lower Upper

152 100

115 53.7 27.4 82.2

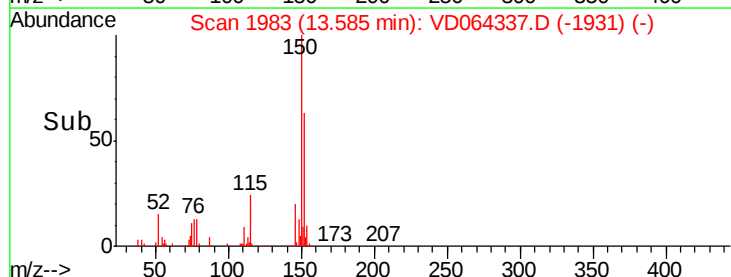
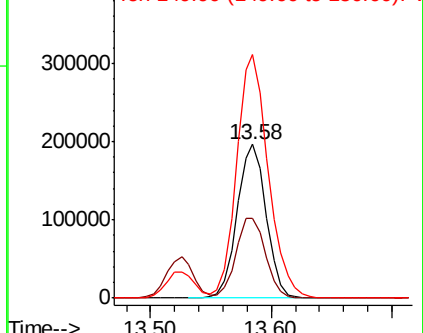
150 172.3 0.0 351.6

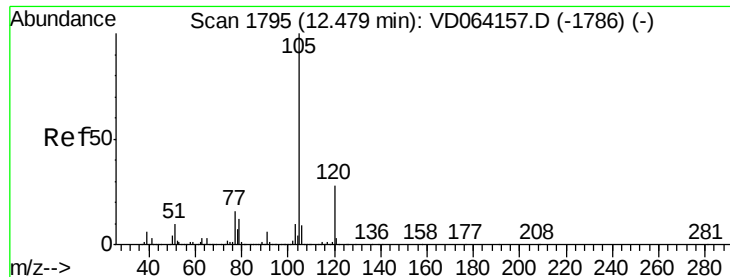


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.317 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

Instrument :

MSVOA_D

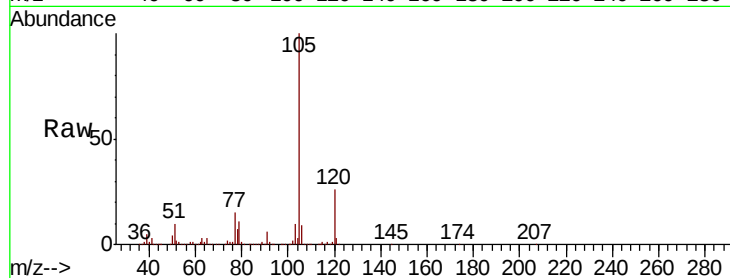
ClientSampleId :

Tot Ion:105 Resp: 1140061

Ion Ratio Lower Upper

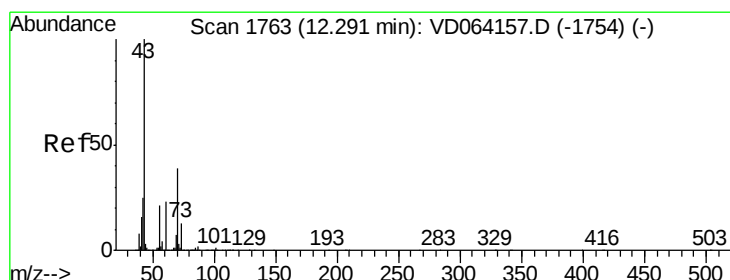
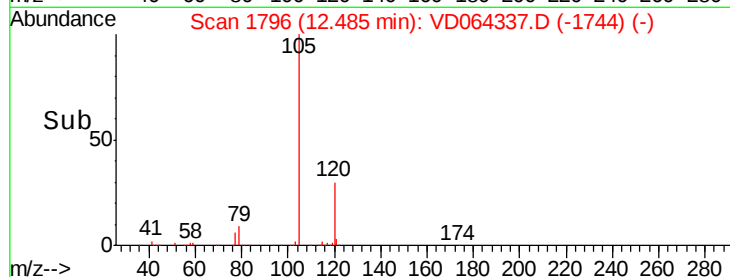
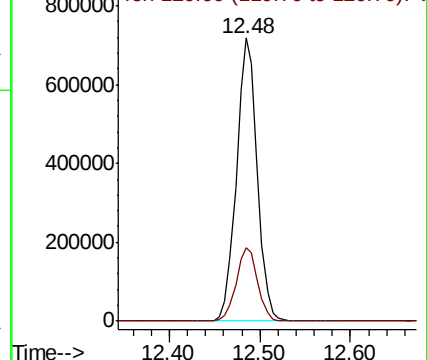
105 100

120 26.8 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.592 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

Tgt Ion: 43 Resp: 265099

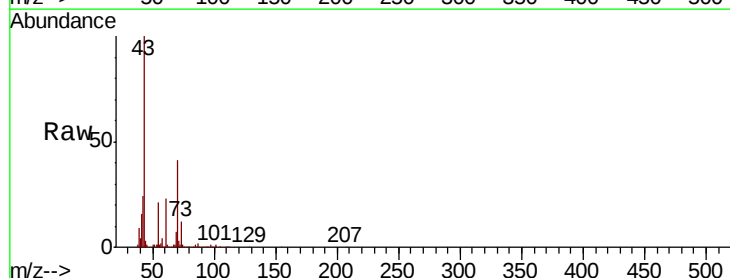
Ion Ratio Lower Upper

43 100

70 41.6 32.4 48.6

55 22.9 17.9 26.9

61 23.7 19.0 28.4

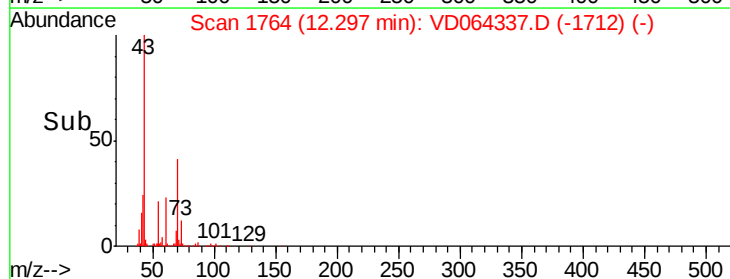
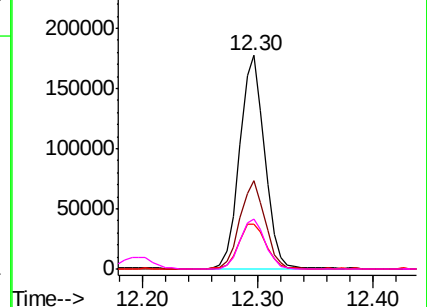


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 52.820 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

Instrument :

MSVOA_D

ClientSampleId :

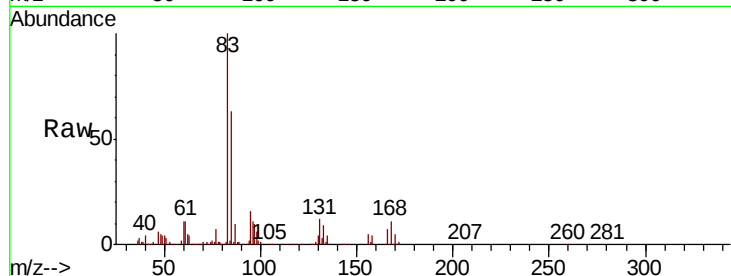
Tot Ion: 83 Resp: 191764

Ion Ratio Lower Upper

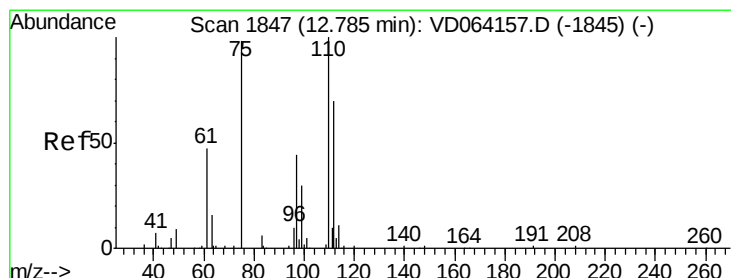
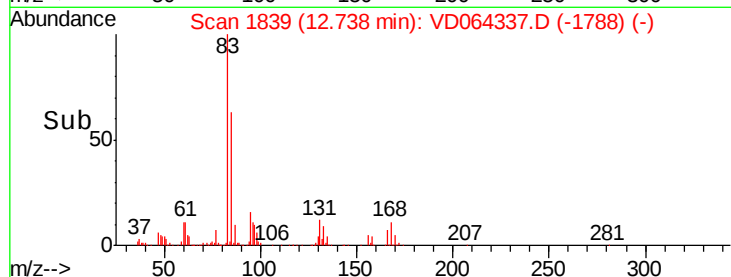
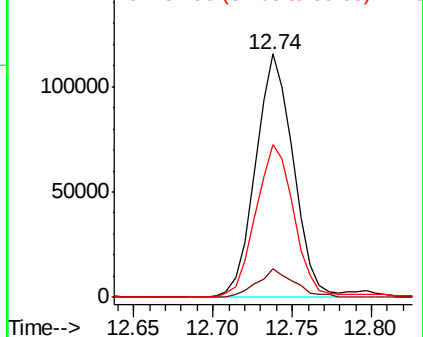
83 100

131 11.8 5.9 17.7

85 63.3 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 92.660 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064337.D

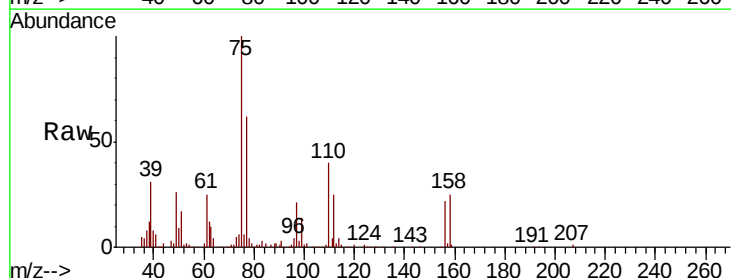
Acq: 21 Nov 2019 21:14

Tgt Ion: 75 Resp: 244995

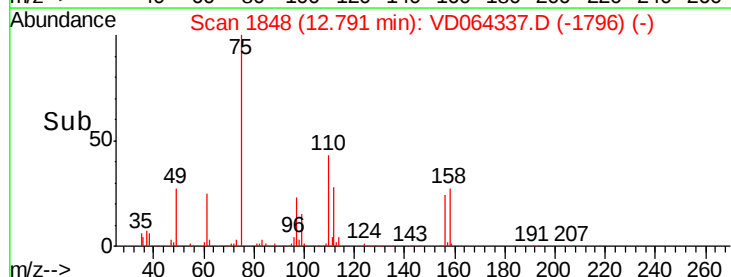
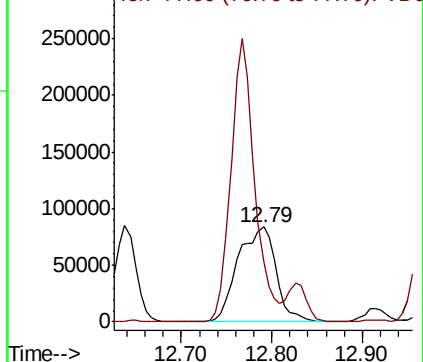
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 50.620 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

Instrument :

MSVOA_D

ClientSampleId :

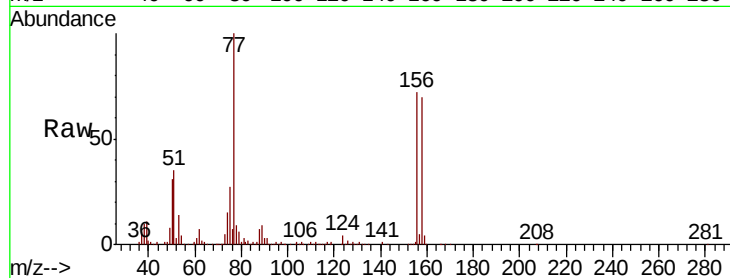
Tot Ion:156 Resp: 296303

Ion Ratio Lower Upper

156 100

77 154.1 81.2 243.4

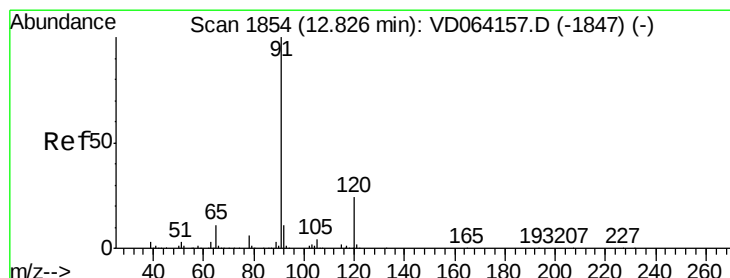
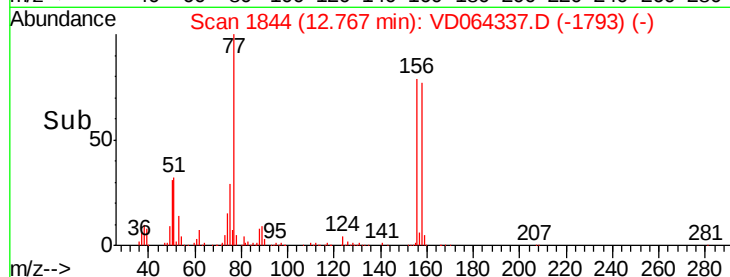
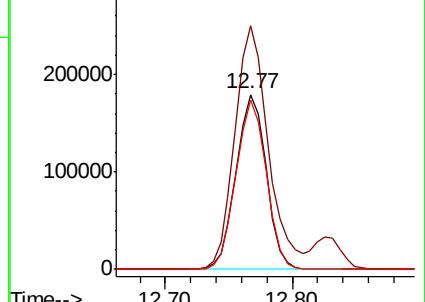
158 97.2 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.055 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064337.D

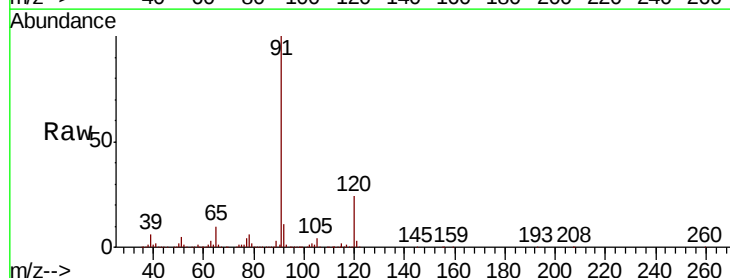
Acq: 21 Nov 2019 21:14

Tgt Ion: 91 Resp: 1295316

Ion Ratio Lower Upper

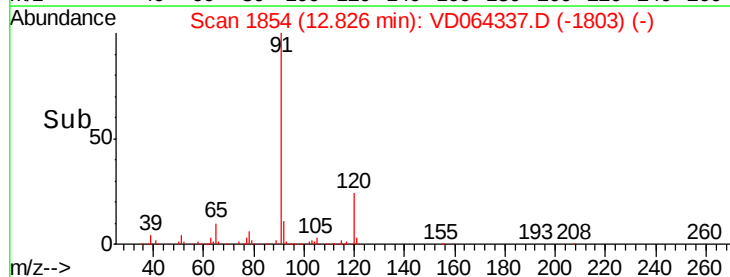
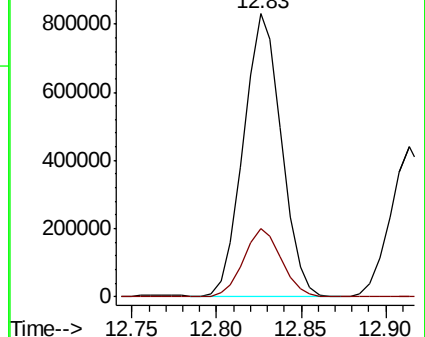
91 100

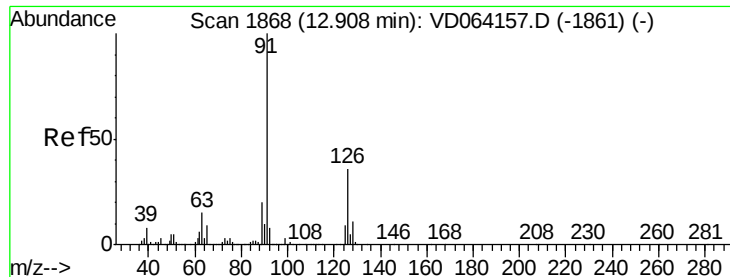
120 24.2 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

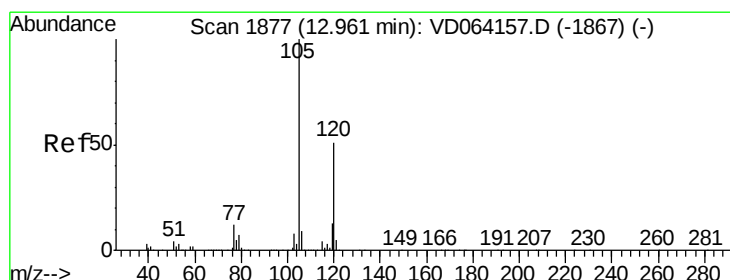
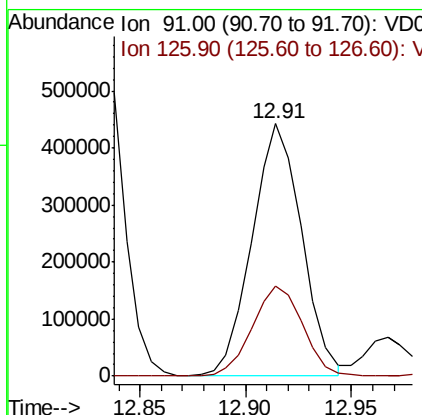
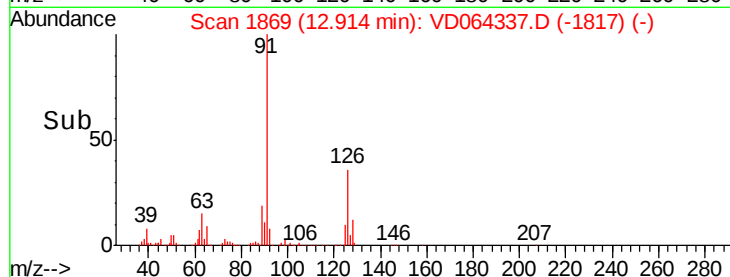
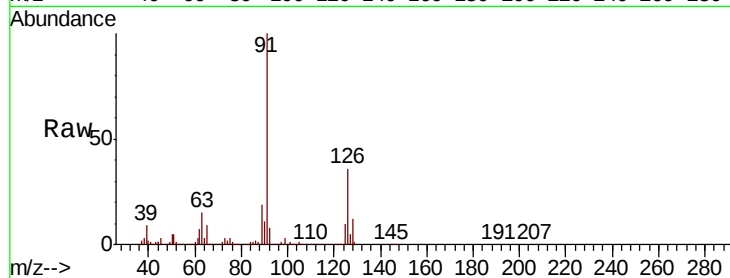




#79
2-Chlorotoluene
Concen: 46.386 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VD064337.D
Acq: 21 Nov 2019 21:14

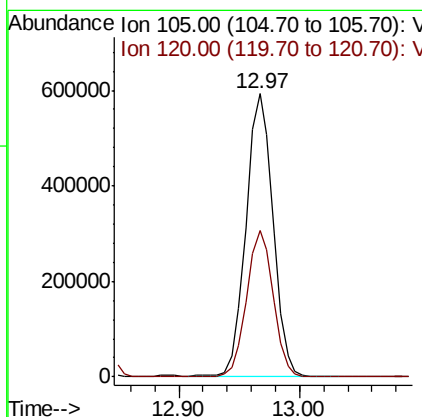
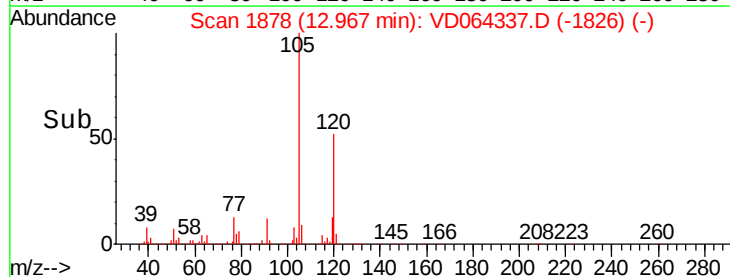
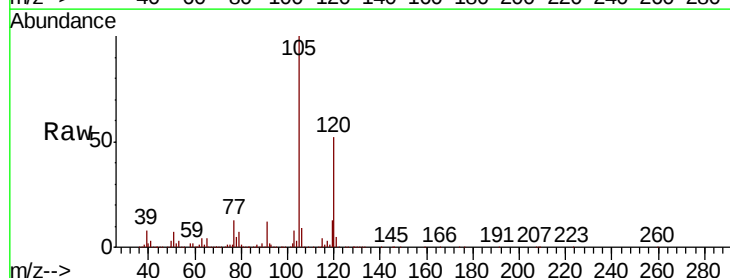
Instrument :
MSVOA_D
ClientSampleId :

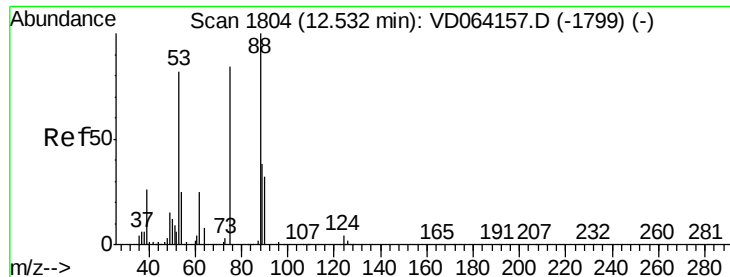
Tot Ion: 91 Resp: 720911
Ion Ratio Lower Upper
91 100
126 36.4 17.7 53.1



#80
1,3,5-Trimethylbenzene
Concen: 46.947 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD064337.D
Acq: 21 Nov 2019 21:14

Tgt Ion: 105 Resp: 929464
Ion Ratio Lower Upper
105 100
120 50.9 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 44.772 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

Instrument :

MSVOA_D

ClientSampled :

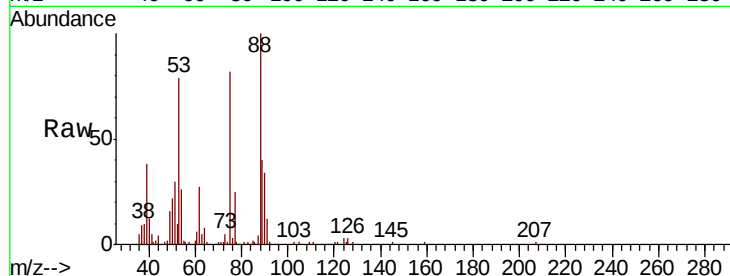
Tot Ion: 75 Resp: 59595

Ion Ratio Lower Upper

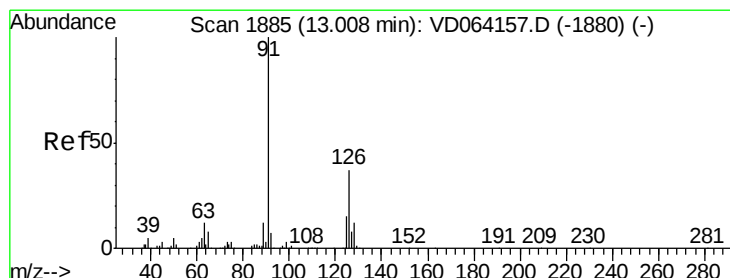
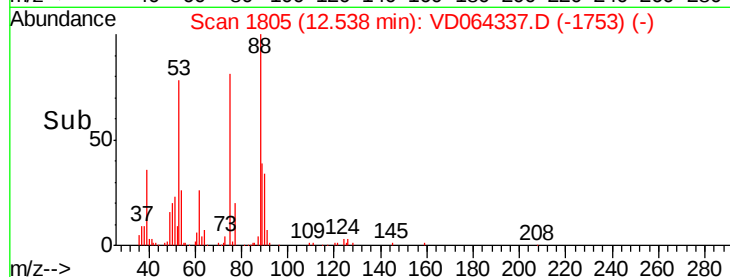
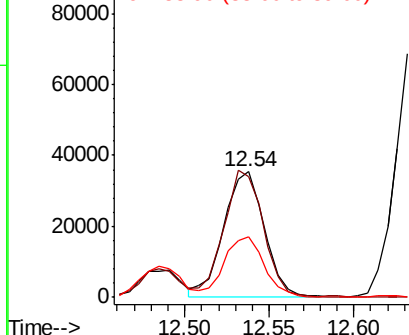
75 100

53 97.8 79.4 119.0

89 47.3 36.6 55.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 46.686 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064337.D

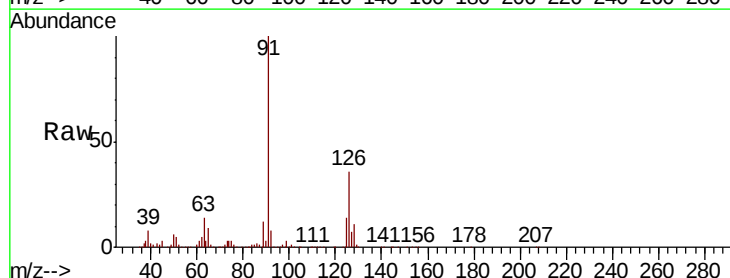
Acq: 21 Nov 2019 21:14

Tgt Ion: 91 Resp: 756790

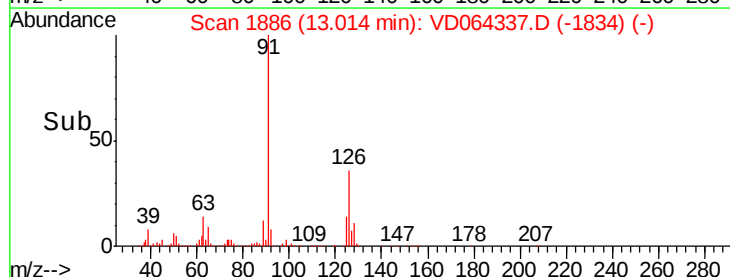
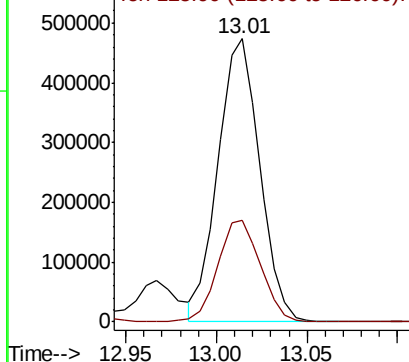
Ion Ratio Lower Upper

91 100

126 36.9 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

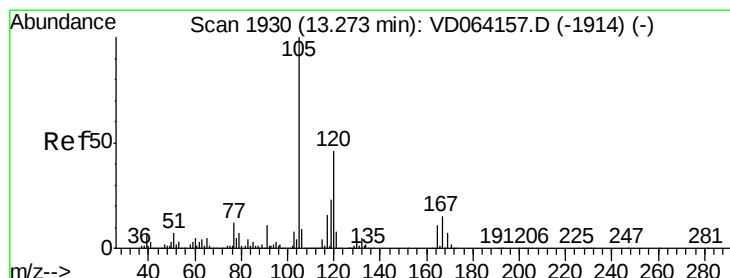
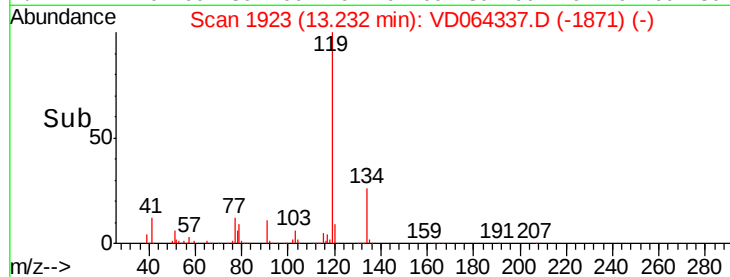
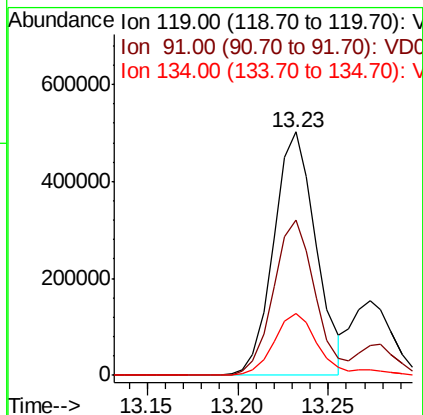
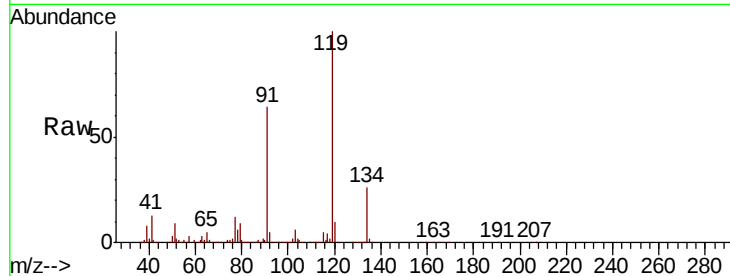




#83
 tert-Butylbenzene
 Concen: 46.795 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD064337.D
 Acq: 21 Nov 2019 21:14

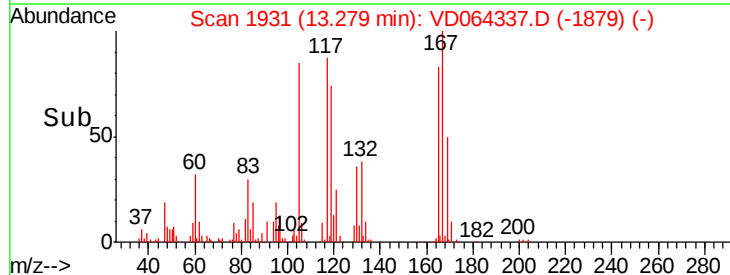
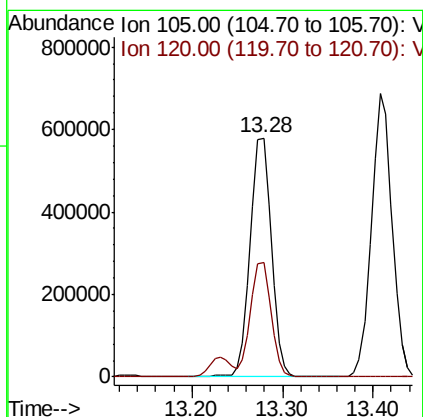
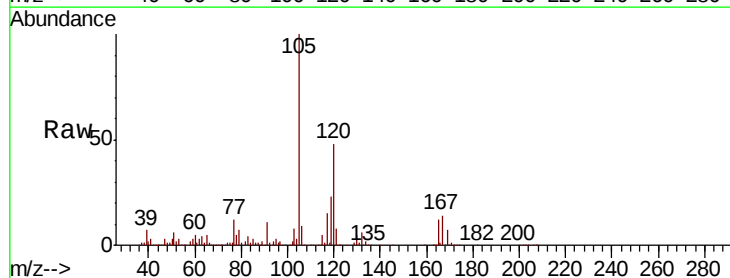
Instrument :
 MSVOA_D
 ClientSampleId :

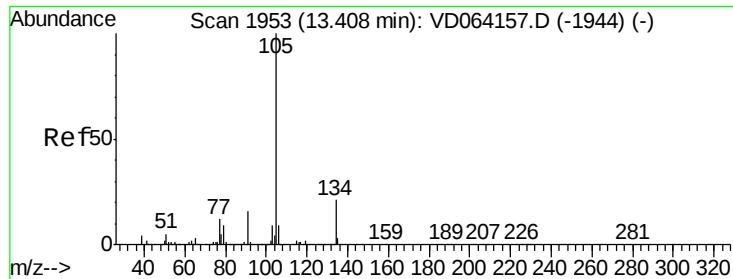
Tot Ion:119 Resp: 816924
 Ion Ratio Lower Upper
 119 100
 91 63.5 31.8 95.4
 134 27.5 13.7 41.0



#84
 1,2,4-Trimethylbenzene
 Concen: 48.256 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD064337.D
 Acq: 21 Nov 2019 21:14

Tgt Ion:105 Resp: 943202
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.3 69.8





#85

sec-Butylbenzene

Concen: 46.450 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

Instrument :

MSVOA_D

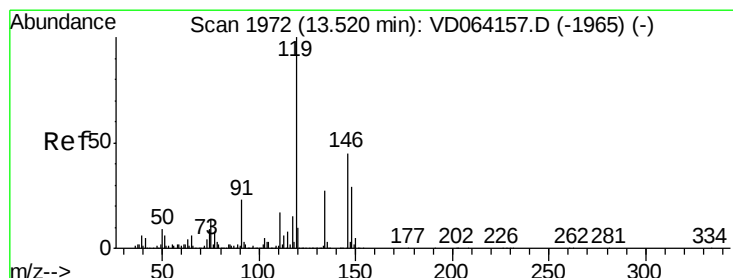
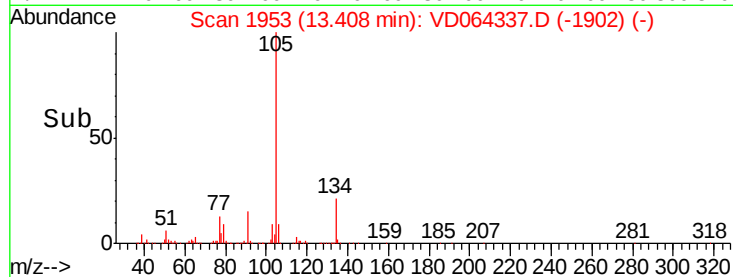
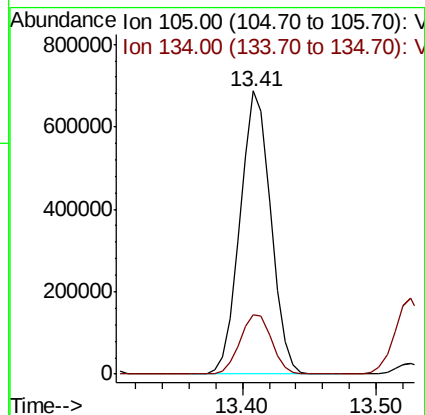
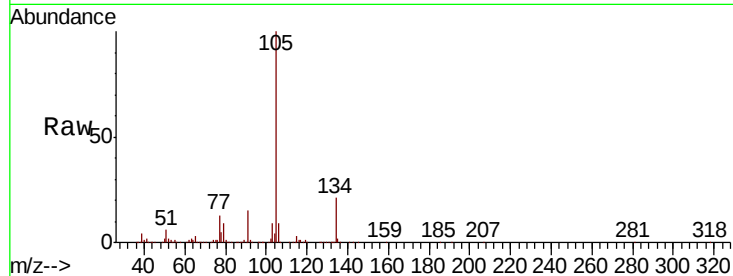
ClientSampleId :

Tot Ion:105 Resp: 1089122

Ion Ratio Lower Upper

105 100

134 21.8 10.7 31.9



#86

p-Isopropyltoluene

Concen: 47.157 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

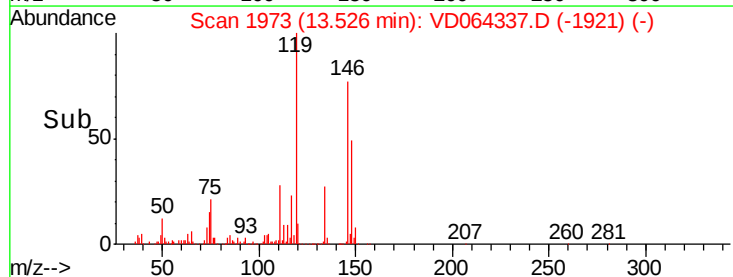
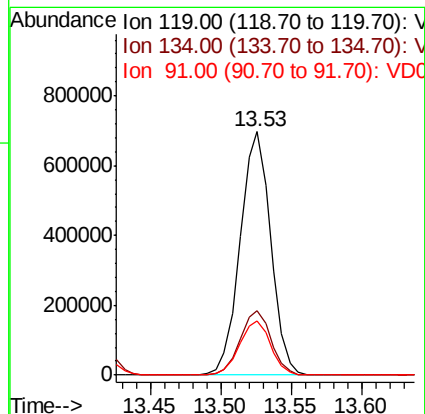
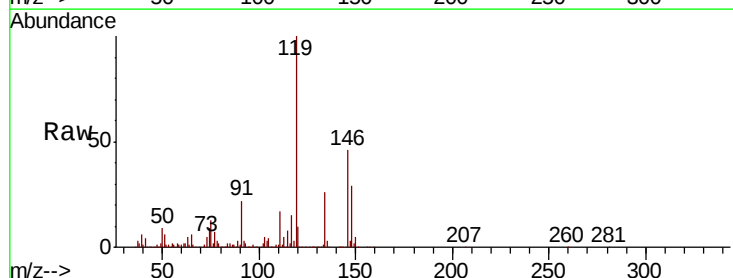
Tgt Ion:119 Resp: 1051187

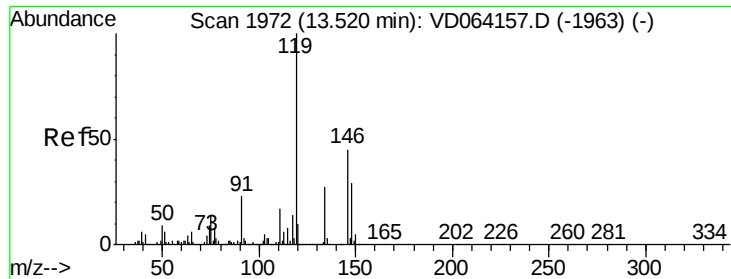
Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.5

91 22.5 11.5 34.4

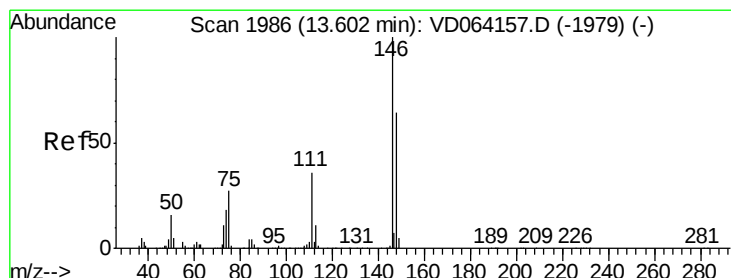
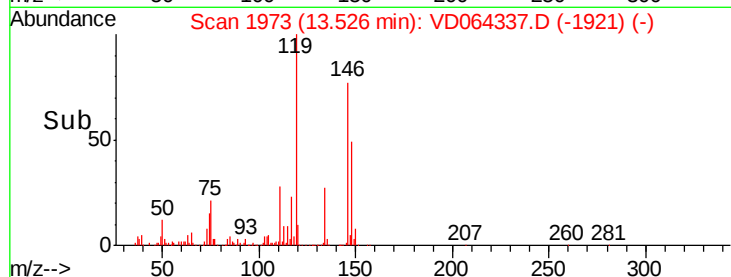
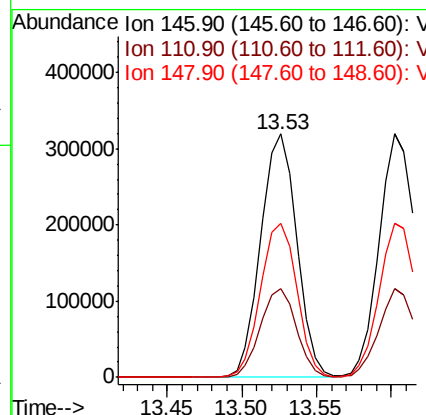
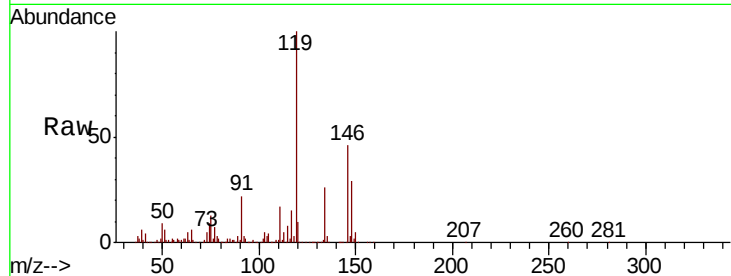




#87
 1,3-Dichlorobenzene
 Concen: 49.323 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064337.D
 Acq: 21 Nov 2019 21:14

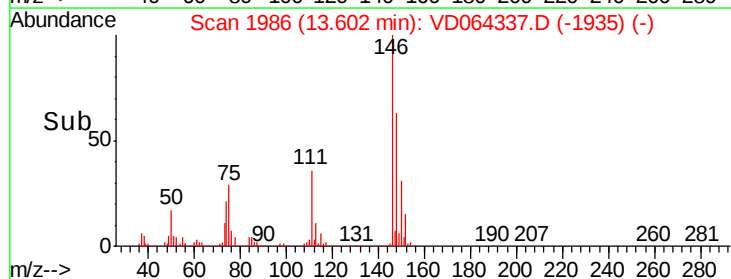
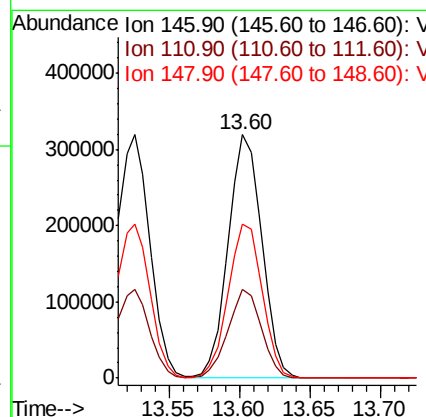
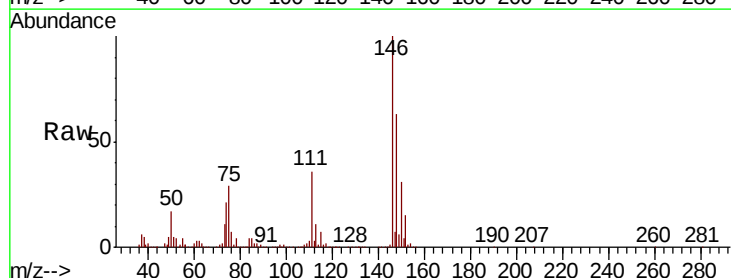
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.9	56.9
148	63.8	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 50.065 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064337.D
 Acq: 21 Nov 2019 21:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.1	54.4
148	64.3	31.9	95.7

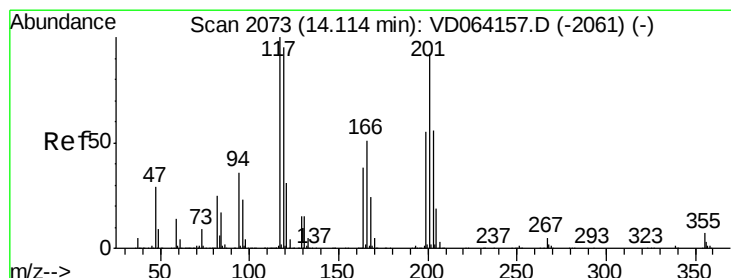
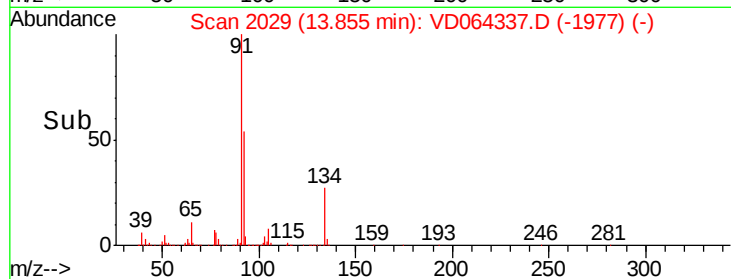
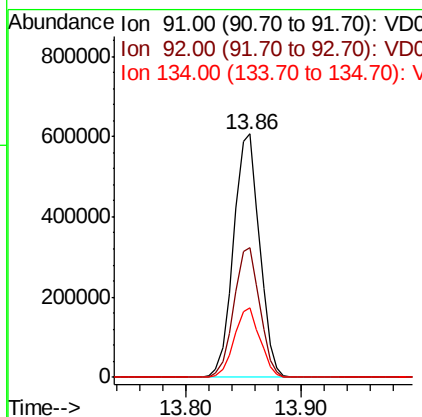
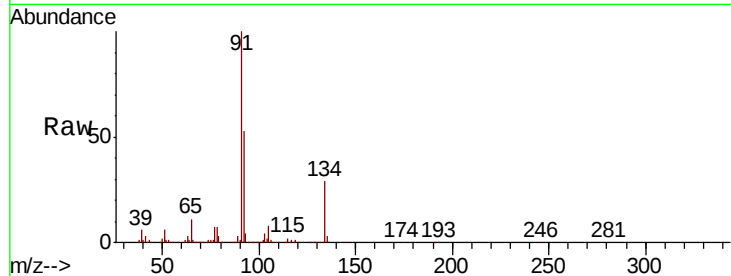




#89
n-Butylbenzene
Concen: 46.866 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064337.D
Acq: 21 Nov 2019 21:14

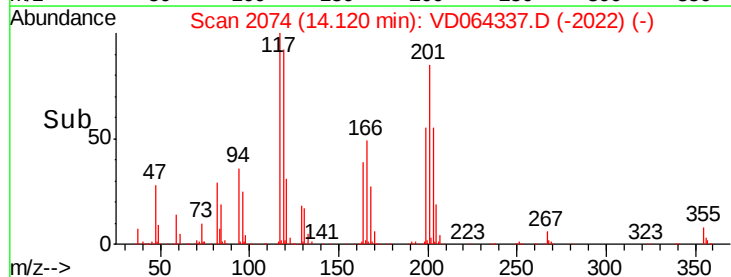
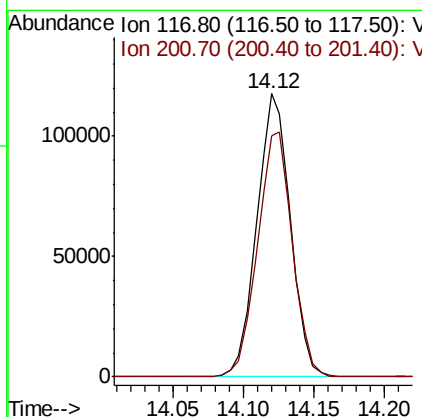
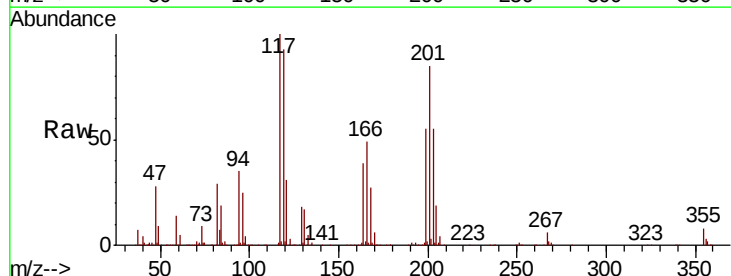
Instrument :
MSVOA_D
ClientSampleId :

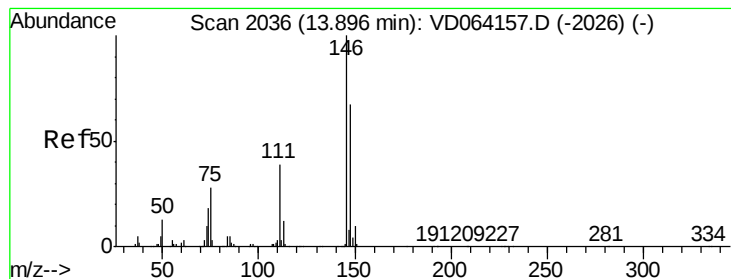
Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	27.3	81.8
134	28.4	14.1	42.4



#90
Hexachloroethane
Concen: 47.724 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064337.D
Acq: 21 Nov 2019 21:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.5	45.8	137.4





#91

1,2-Dichlorobenzene

Concen: 50.799 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

Instrument :

MSVOA_D

ClientSampleId :

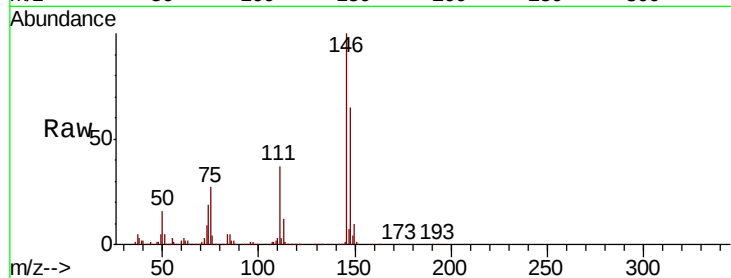
Tot Ion:146 Resp: 467192

Ion Ratio Lower Upper

146 100

111 37.8 19.7 59.0

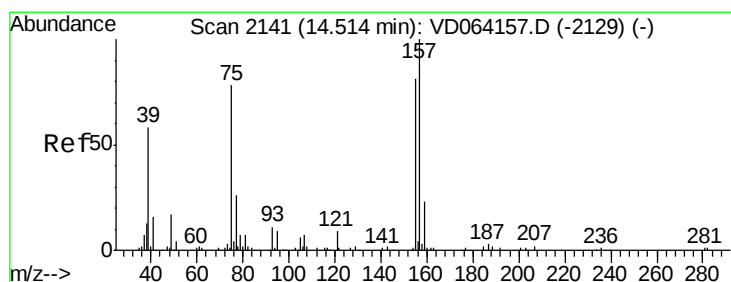
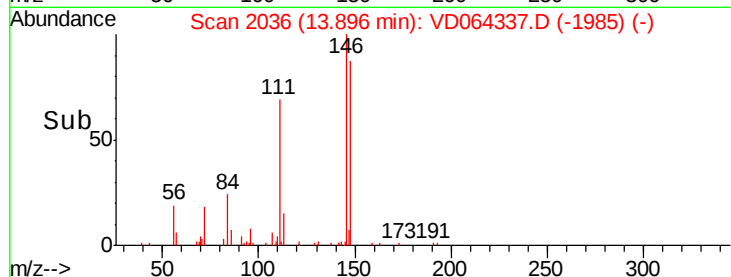
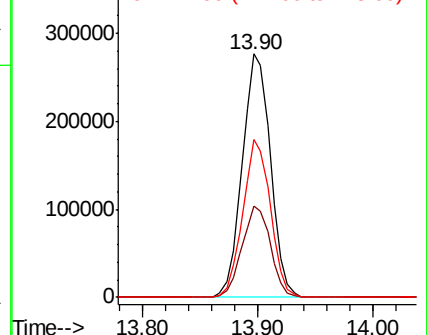
148 63.4 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.198 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.01 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

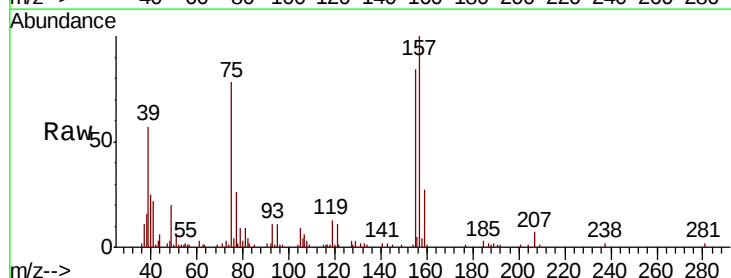
Tgt Ion: 75 Resp: 29339

Ion Ratio Lower Upper

75 100

155 105.4 48.0 144.0

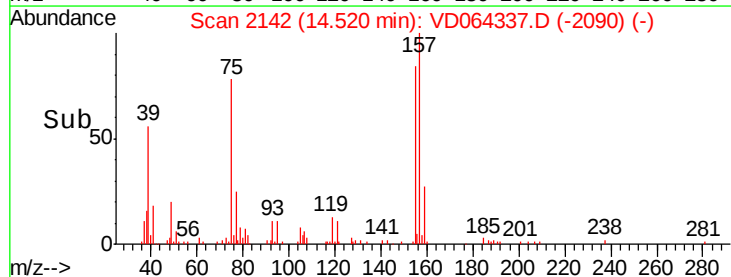
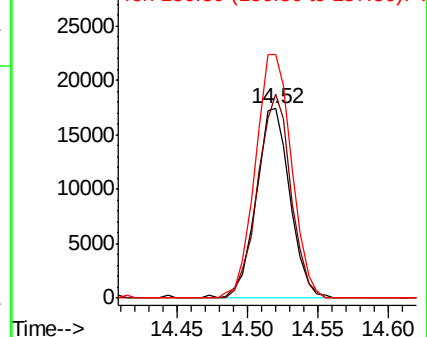
157 137.2 61.5 184.4



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

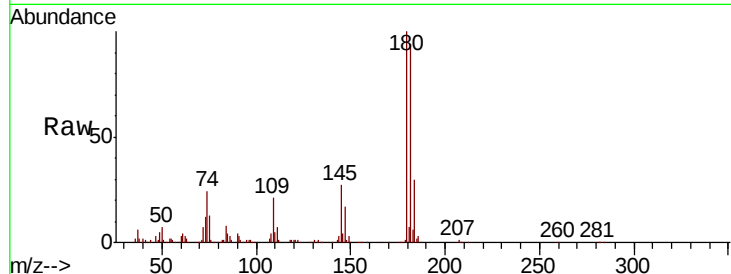




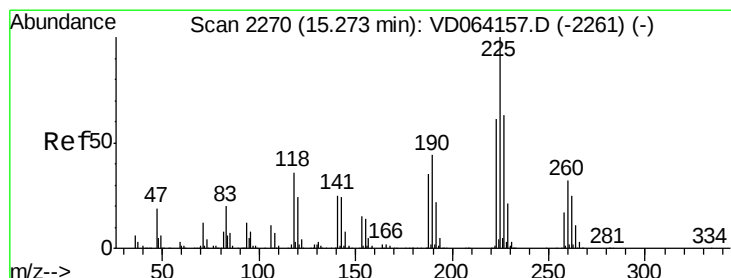
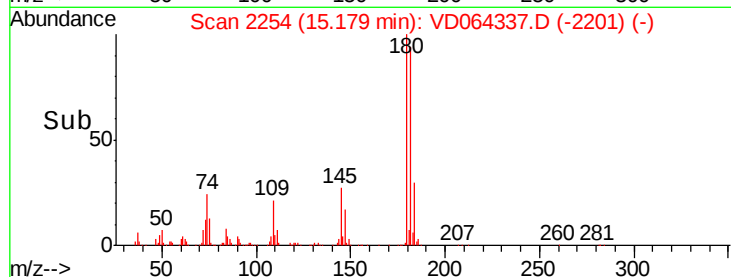
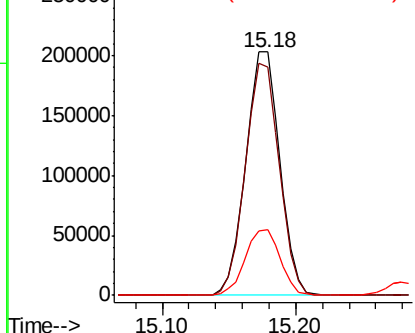
#93
 1,2,4-Trichlorobenzene
 Concen: 50.308 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064337.D
 Acq: 21 Nov 2019 21:14

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.5	142.5
145	27.8	14.2	42.6

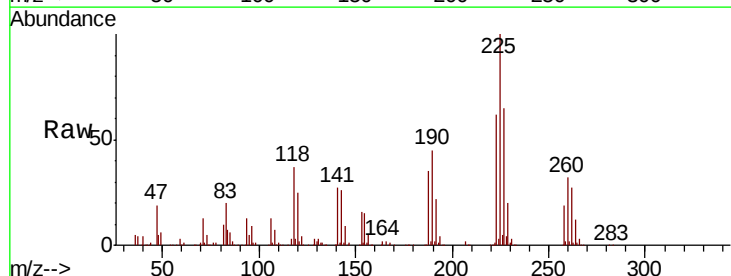


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

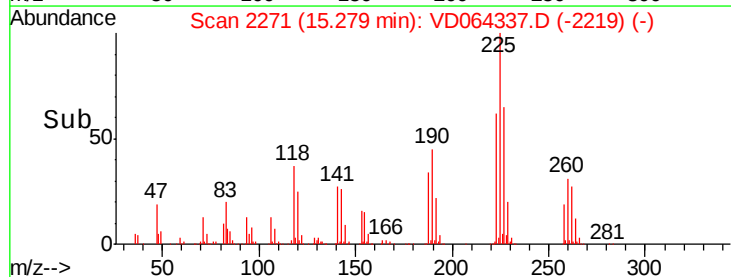
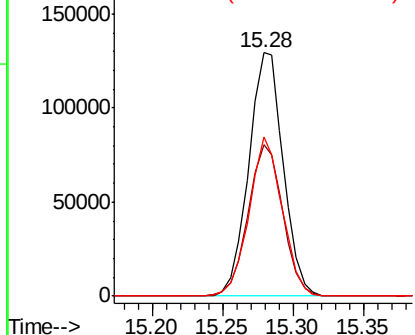


#94
 Hexachlorobutadiene
 Concen: 48.539 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064337.D
 Acq: 21 Nov 2019 21:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.1	93.3
227	62.6	31.5	94.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 52.339 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

Instrument :

MSVOA_D

ClientSampleId :

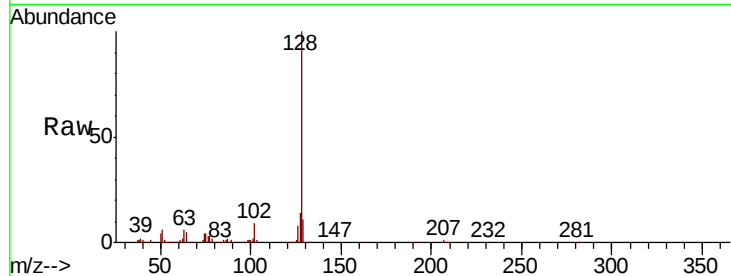
Tot Ion:128 Resp: 608694

Ion Ratio Lower Upper

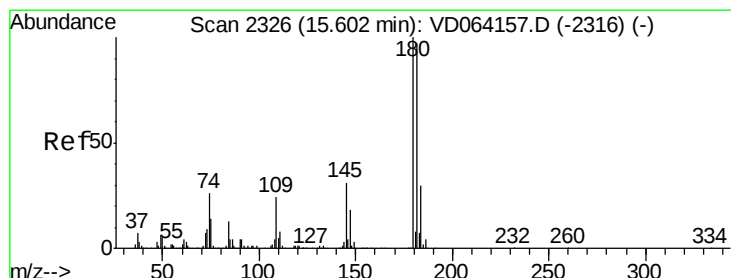
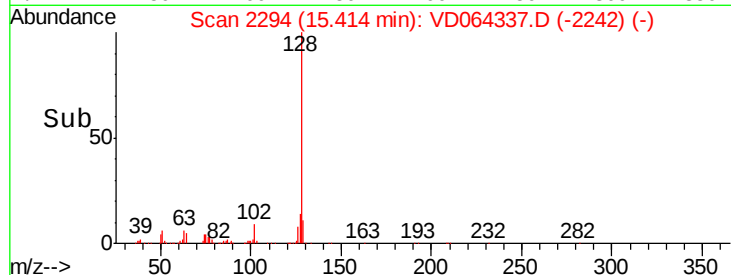
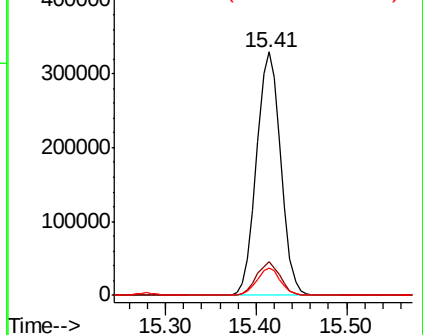
128 100

127 13.5 10.5 15.7

129 10.8 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 51.462 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.01 min

Lab File: VD064337.D

Acq: 21 Nov 2019 21:14

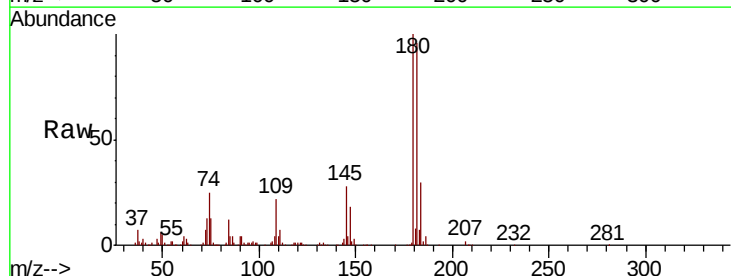
Tgt Ion:180 Resp: 310350

Ion Ratio Lower Upper

180 100

182 96.2 48.3 144.9

145 30.7 15.3 45.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

