

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112219\
 Data File : VD064339.D
 Acq On : 22 Nov 2019 11:00
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 23 00:45:12 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	601332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	841886	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	719562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	354124	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	209766	42.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.82%	
35) Dibromofluoromethane	7.91	113	221390	45.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.62%	
50) Toluene-d8	10.34	98	839070	46.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.06%	
62) 4-Bromofluorobenzene	12.64	95	267998	42.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	222378	44.589	ug/l	99
3) Chloromethane	2.21	50	254760	47.623	ug/l	100
4) Vinyl Chloride	2.35	62	333908	58.370	ug/l	99
5) Bromomethane	2.77	94	225763	62.499	ug/l	98
6) Chloroethane	2.92	64	224107	61.309	ug/l	96
7) Trichlorofluoromethane	3.27	101	587431	63.337	ug/l	100
8) Diethyl Ether	3.70	74	115873	45.437	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	267371	50.437	ug/l	99
10) Methyl Iodide	4.29	142	299185	49.464	ug/l	99
11) Tert butyl alcohol	5.25	59	76807	222.353	ug/l	94
12) 1,1-Dichloroethene	4.06	96	250977	49.670	ug/l	95
13) Acrolein	3.92	56	73617	251.920	ug/l	98
14) Allyl chloride	4.71	41	400262	44.803	ug/l	95
15) Acrylonitrile	5.43	53	248930	228.969	ug/l	99
16) Acetone	4.16	43	305334	260.609	ug/l	100
17) Carbon Disulfide	4.40	76	715303	45.457	ug/l	98
18) Methyl Acetate	4.72	43	141995	43.392	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	548732	45.491	ug/l	94
20) Methylene Chloride	4.97	84	259942	43.922	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	274695	47.984	ug/l	96
22) Diisopropyl ether	6.37	45	750504	45.276	ug/l	99
23) Vinyl Acetate	6.31	43	2146706	232.328	ug/l	99
24) 1,1-Dichloroethane	6.26	63	466258	48.444	ug/l	99
25) 2-Butanone	7.22	43	346509	228.921	ug/l	98
26) 2,2-Dichloropropane	7.21	77	446755	47.332	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	302609	49.292	ug/l	95
28) Bromochloromethane	7.55	49	160368	47.859	ug/l	97
29) Tetrahydrofuran	7.57	42	202850	223.049	ug/l	98
30) Chloroform	7.71	83	477097	48.461	ug/l	98
31) Cyclohexane	7.98	56	440704	45.402	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	463782	49.198	ug/l	100
36) 1,1-Dichloropropene	8.11	75	393189	50.604	ug/l	99
37) Ethyl Acetate	7.30	43	146142	44.615	ug/l	97
38) Carbon Tetrachloride	8.09	117	426929	51.351	ug/l	95

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 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	486300	49.463	ug/l	94
40) Benzene	8.35	78	1049737	49.434	ug/l	98
41) Methacrylonitrile	7.53	41	75653	36.746	ug/l #	83
42) 1,2-Dichloroethane	8.43	62	296688	46.519	ug/l	98
43) Isopropyl Acetate	8.46	43	293322	43.461	ug/l	97
44) Trichloroethene	9.11	130	319816	50.180	ug/l	99
45) 1,2-Dichloropropane	9.39	63	247871	47.957	ug/l	96
46) Dibromomethane	9.48	93	134055	48.447	ug/l	98
47) Bromodichloromethane	9.67	83	357009	47.899	ug/l	98
48) Methyl methacrylate	9.46	41	145308	44.031	ug/l	99
49) 1,4-Dioxane	9.47	88	30508	918.028	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	723065	223.411	ug/l	100
52) Toluene	10.41	92	687449	49.232	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	345674	46.293	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	408726	46.907	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	185653	49.459	ug/l	98
56) Ethyl methacrylate	10.67	69	238412	45.404	ug/l	96
57) 1,3-Dichloropropane	10.95	76	312074	47.671	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	488536	229.681	ug/l	99
59) 2-Hexanone	10.99	43	528387	229.477	ug/l	98
60) Dibromochloromethane	11.14	129	254141	48.521	ug/l	100
61) 1,2-Dibromoethane	11.25	107	181159	48.184	ug/l	100
64) Tetrachloroethene	10.88	164	279124	50.437	ug/l	98
65) Chlorobenzene	11.67	112	724648	49.524	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	276343	49.668	ug/l	100
67) Ethyl Benzene	11.75	91	1328423	50.191	ug/l	100
68) m/p-Xylenes	11.86	106	1025483	101.083	ug/l	99
69) o-Xylene	12.18	106	463467	49.258	ug/l	100
70) Styrene	12.20	104	807290	49.154	ug/l	99
71) Bromoform	12.37	173	152239	48.080	ug/l #	99
73) Isopropylbenzene	12.48	105	1313820	50.546	ug/l	99
74) N-amyl acetate	12.30	43	264994	43.172	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	186048	47.502	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	252959	88.684	ug/l #	100
77) Bromobenzene	12.77	156	305470	48.374	ug/l	97
78) n-propylbenzene	12.83	91	1499487	50.493	ug/l	100
79) 2-Chlorotoluene	12.91	91	810418	48.336	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1053376	49.320	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	61292	42.684	ug/l	98
82) 4-Chlorotoluene	13.01	91	843656	48.243	ug/l	99
83) tert-Butylbenzene	13.23	119	927648	49.256	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1044885	49.553	ug/l	100
85) sec-Butylbenzene	13.41	105	1278370	50.539	ug/l	100
86) p-Isopropyltoluene	13.53	119	1215927	50.563	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	582727	49.712	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	574793	50.242	ug/l	99
89) n-Butylbenzene	13.86	91	1107505	50.977	ug/l	99
90) Hexachloroethane	14.12	117	220276	49.565	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	494080	49.799	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	29814	42.575	ug/l	94

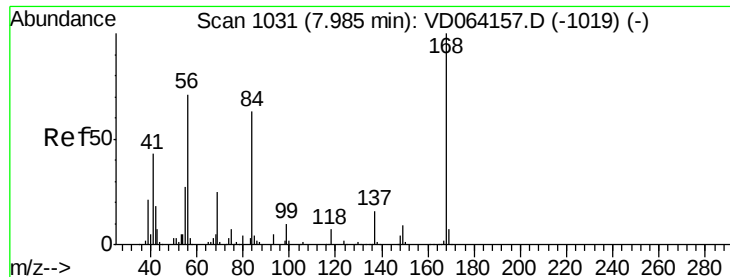
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	376433	49.184	ug/l	99
94) Hexachlorobutadiene	15.28	225	252087	50.994	ug/l	99
95) Naphthalene	15.41	128	597011	47.585	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	316514	48.651	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

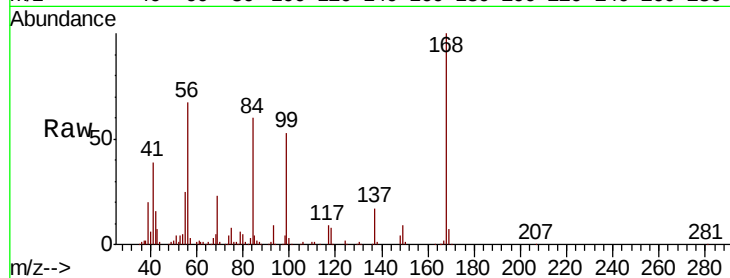
ClientSampleId :

Tot Ion:168 Resp: 601332

Ion Ratio Lower Upper

168 100

99 52.9 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

100000

50000

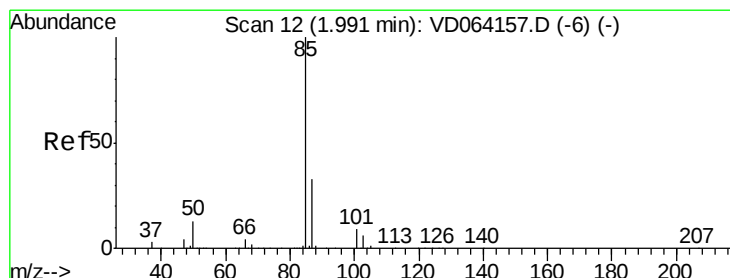
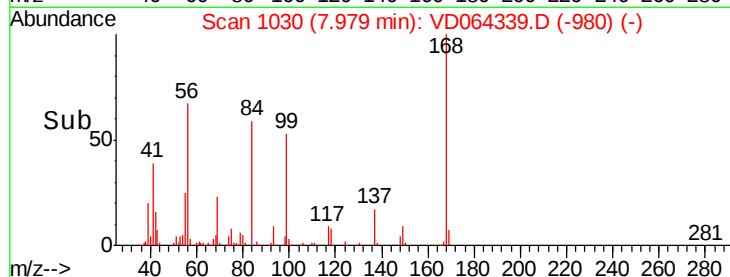
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.589 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064339.D

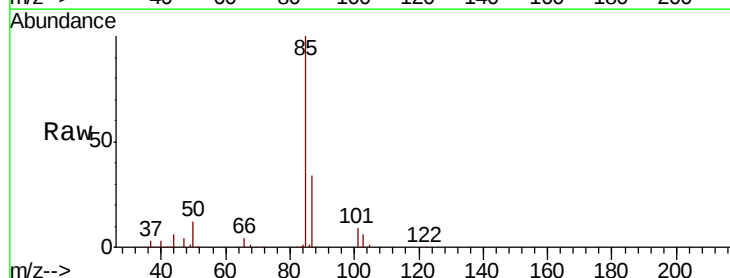
Acq: 22 Nov 2019 11:00

Tgt Ion: 85 Resp: 222378

Ion Ratio Lower Upper

85 100

87 33.6 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

100000

50000

0

1.90

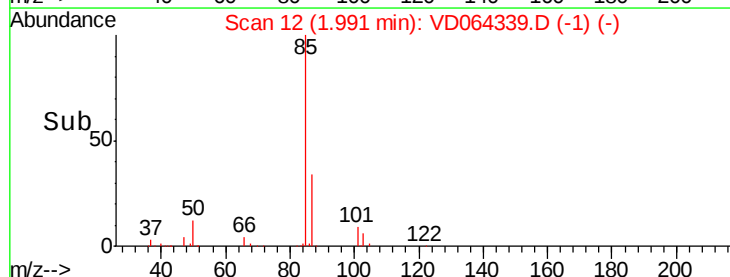
1.95

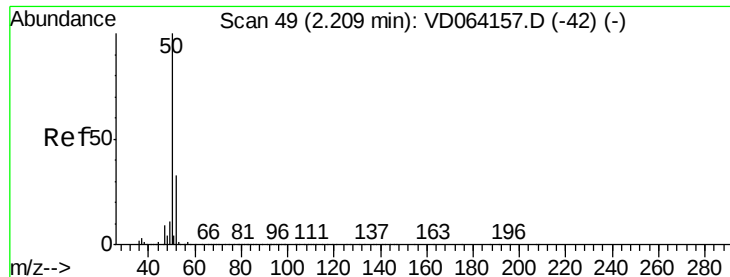
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 47.623 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

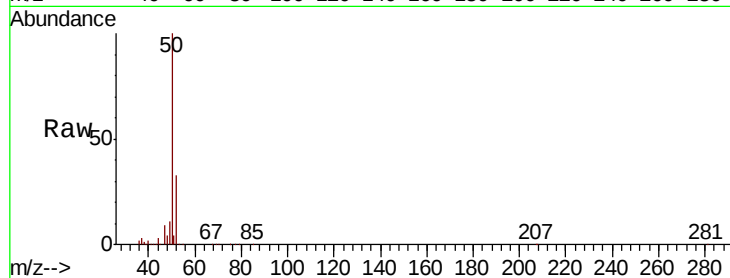
ClientSampled :

Tot Ion: 50 Resp: 254760

Ion Ratio Lower Upper

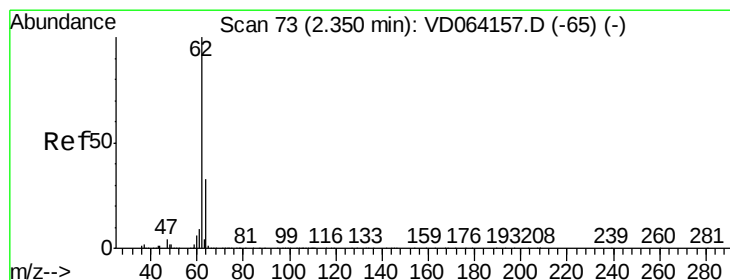
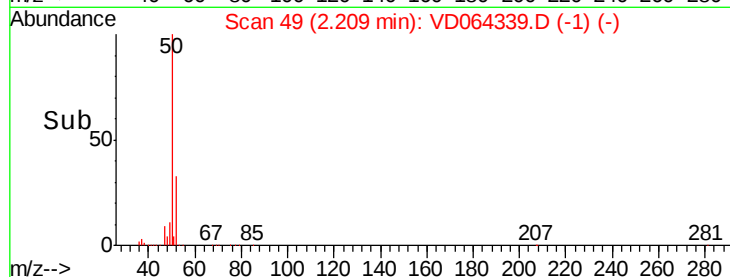
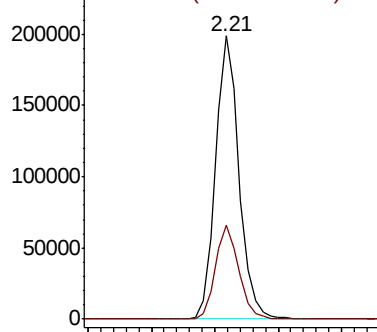
50 100

52 33.0 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 58.370 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064339.D

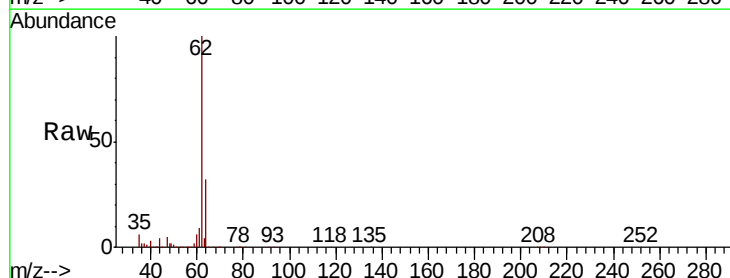
Acq: 22 Nov 2019 11:00

Tgt Ion: 62 Resp: 333908

Ion Ratio Lower Upper

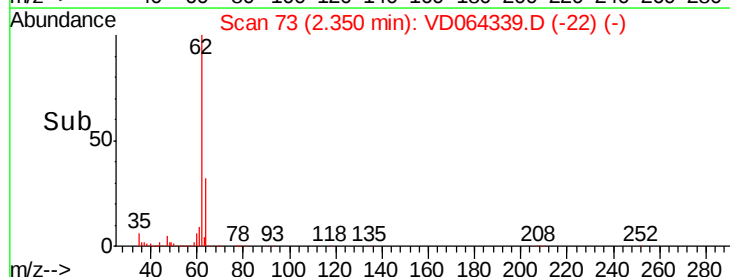
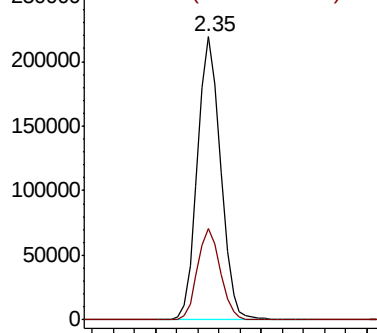
62 100

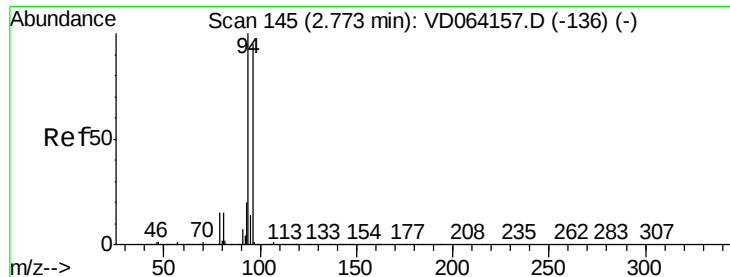
64 32.2 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 62.499 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

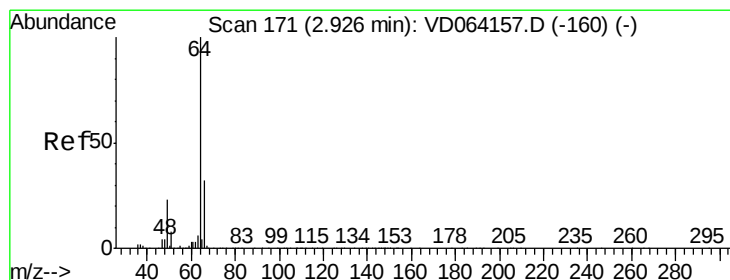
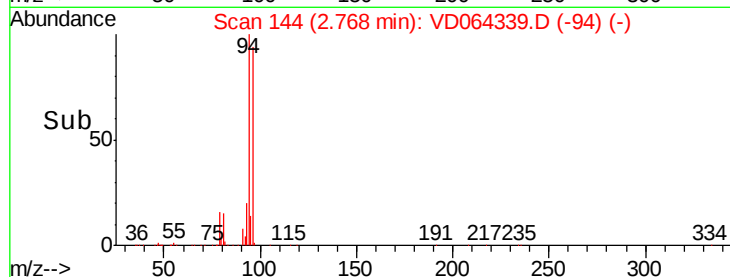
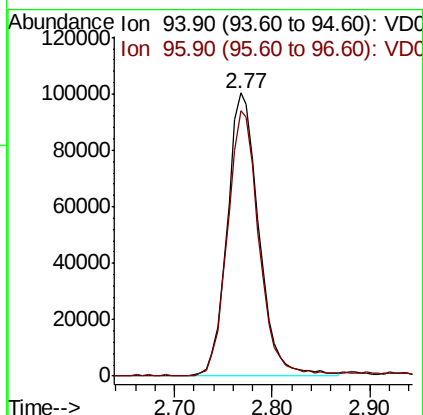
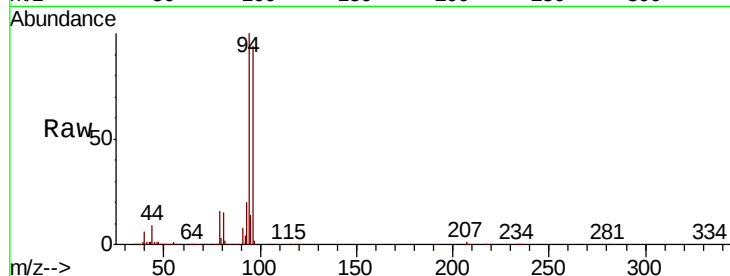
ClientSampleId :

Tot Ion: 94 Resp: 225763

Ion Ratio Lower Upper

94 100

96 93.5 76.2 114.4



#6

Chloroethane

Concen: 61.309 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064339.D

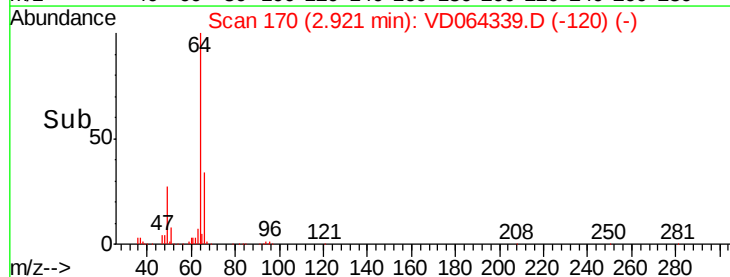
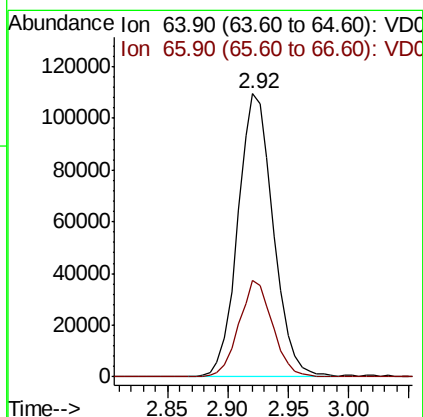
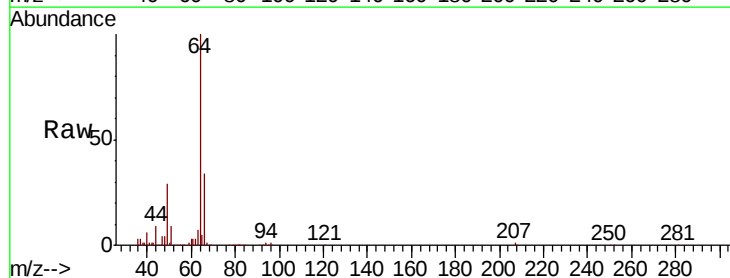
Acq: 22 Nov 2019 11:00

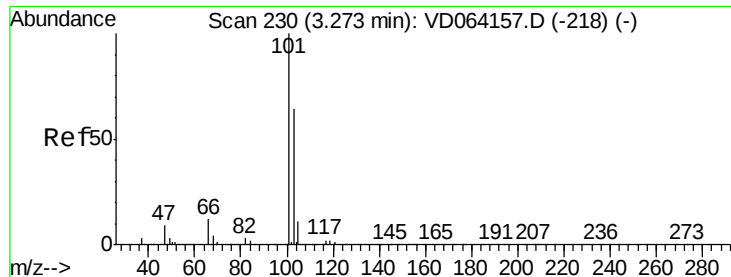
Tgt Ion: 64 Resp: 224107

Ion Ratio Lower Upper

64 100

66 34.1 25.5 38.3



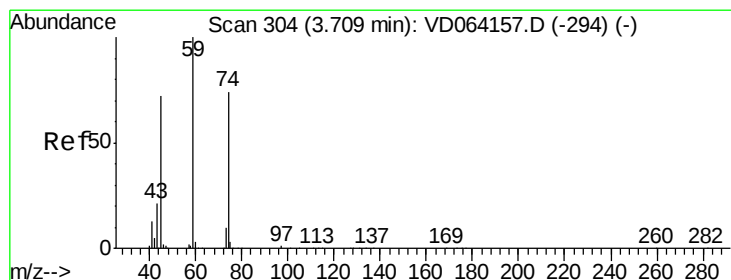
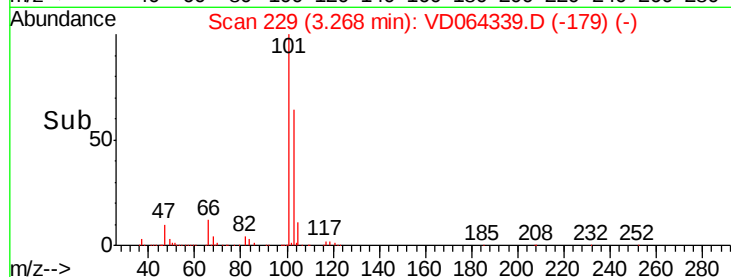
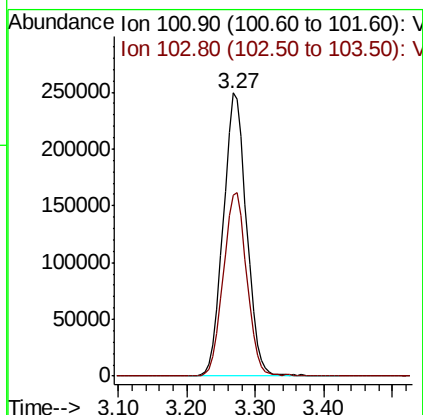
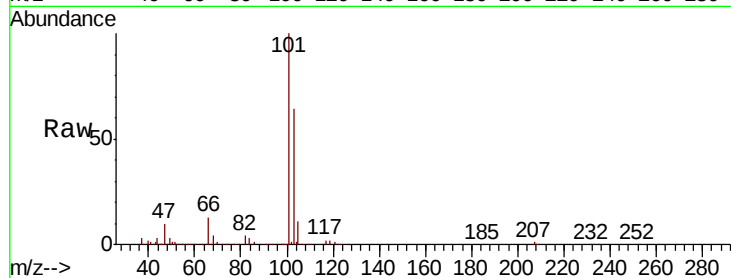


#7

Trichlorofluoromethane
Concen: 63.337 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Instrument :
MSVOA_D
ClientSampleId :

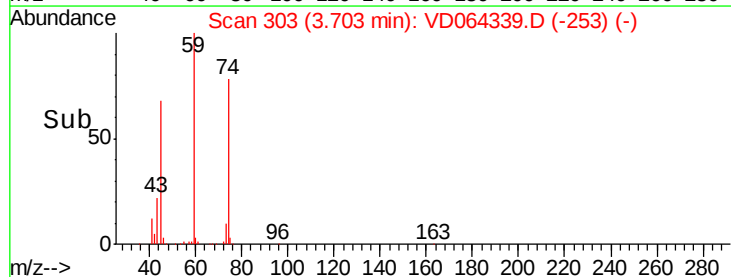
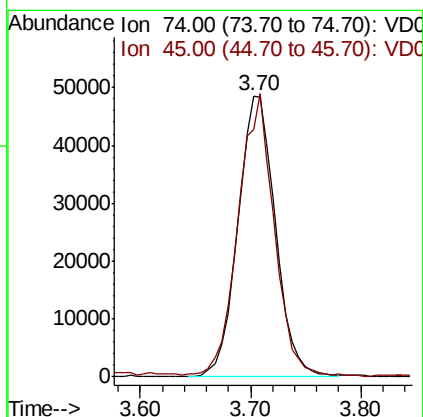
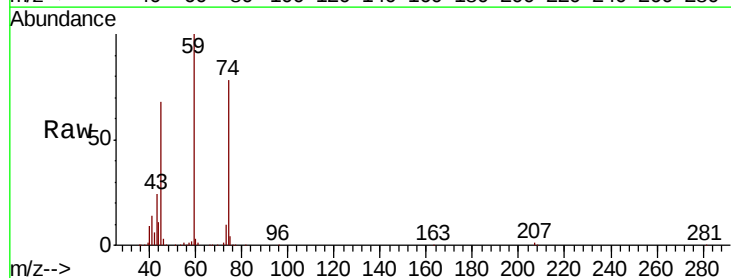
Tot Ion:101 Resp: 587431
Ion Ratio Lower Upper
101 100
103 63.9 50.8 76.2

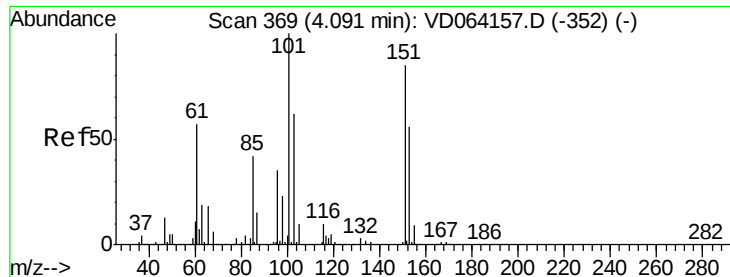


#8

Diethyl Ether
Concen: 45.437 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion: 74 Resp: 115873
Ion Ratio Lower Upper
74 100
45 95.1 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.437 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

ClientSampleId :

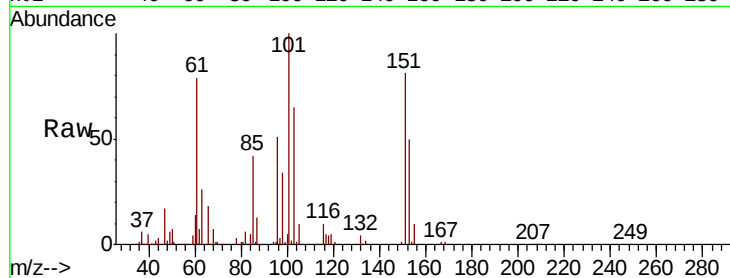
Tot Ion:101 Resp: 267371

Ion Ratio Lower Upper

101 100

85 44.5 34.4 51.6

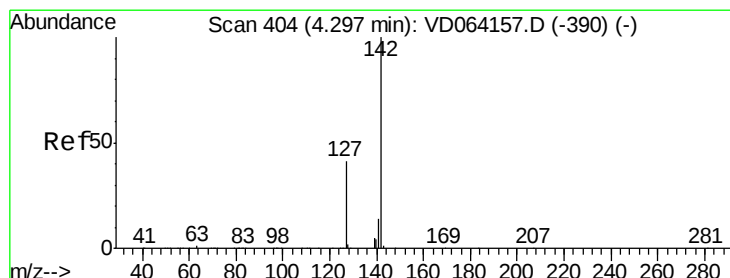
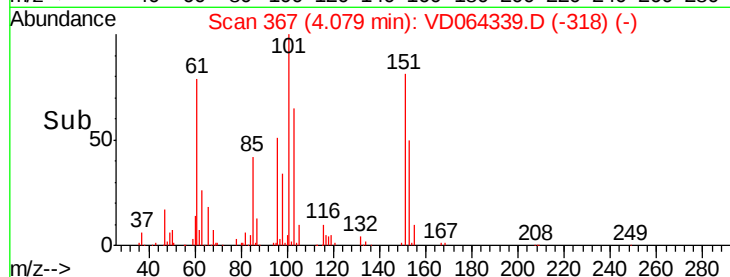
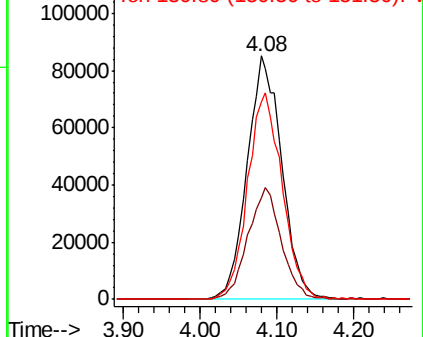
151 84.8 68.1 102.1



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: 49.464 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

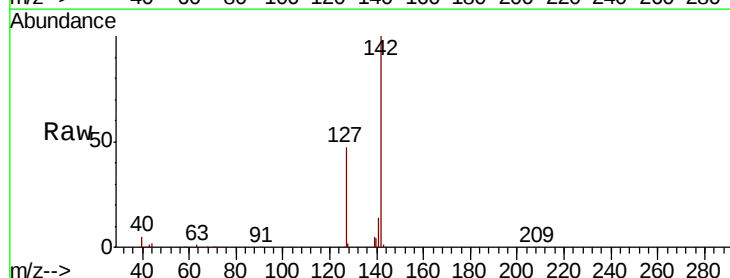
Tgt Ion:142 Resp: 299185

Ion Ratio Lower Upper

142 100

127 43.6 34.4 51.6

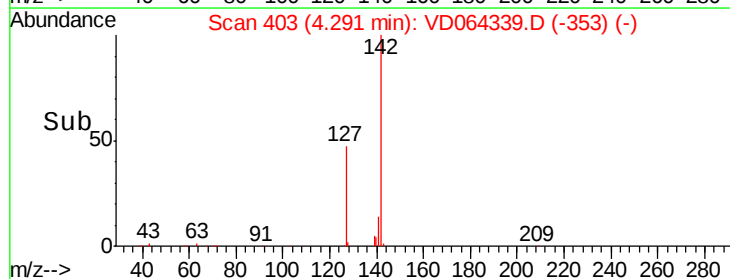
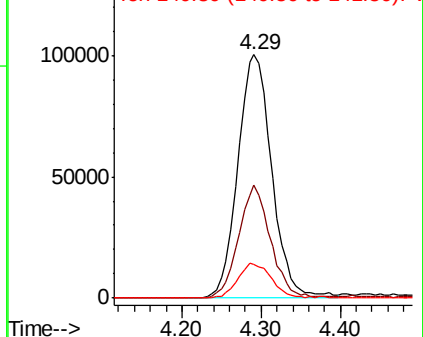
141 14.1 11.2 16.8

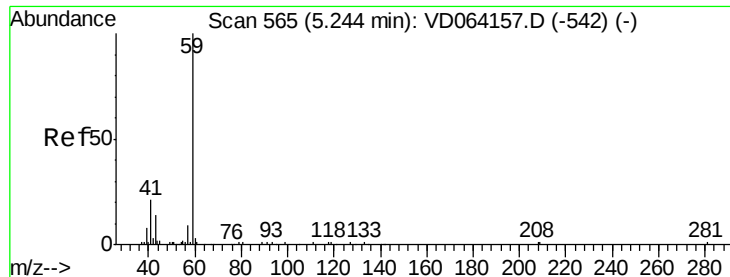


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

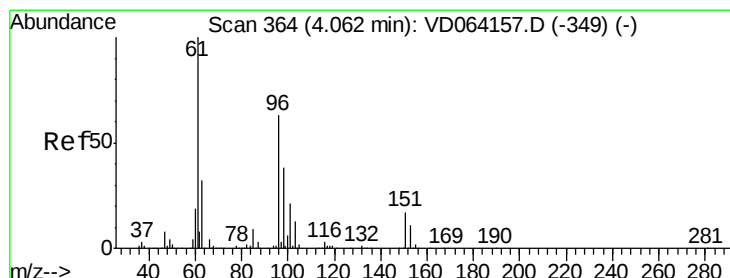
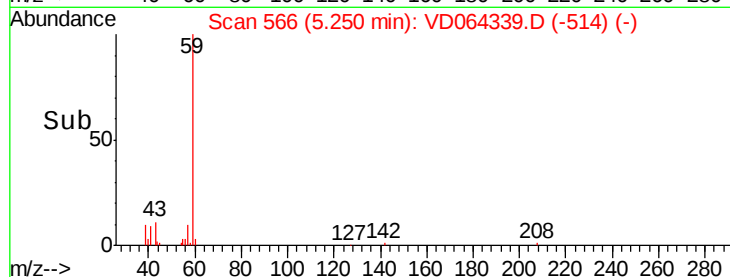
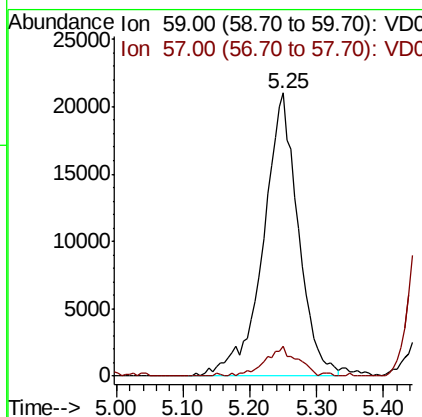
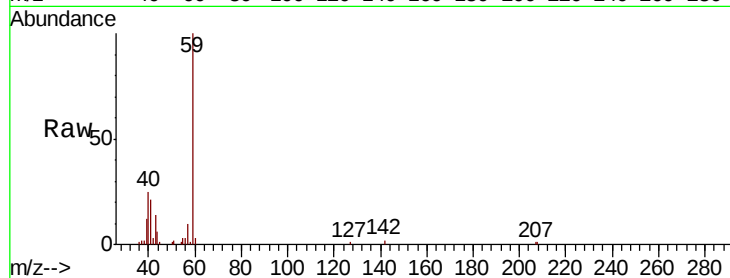




#11
Tert butyl alcohol
Concen: 222.353 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

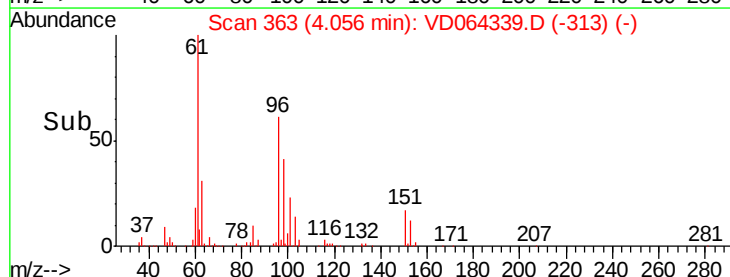
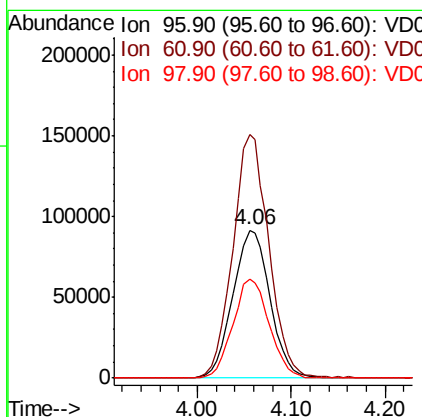
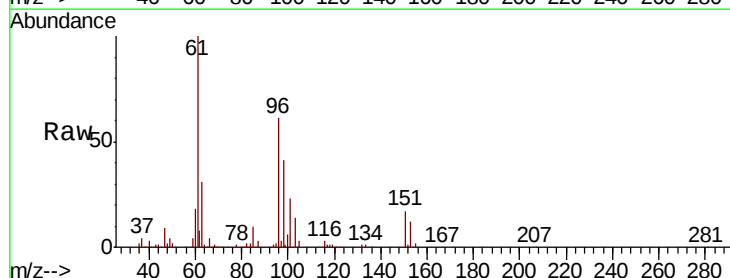
Instrument :
MSVOA_D
ClientSampleId :

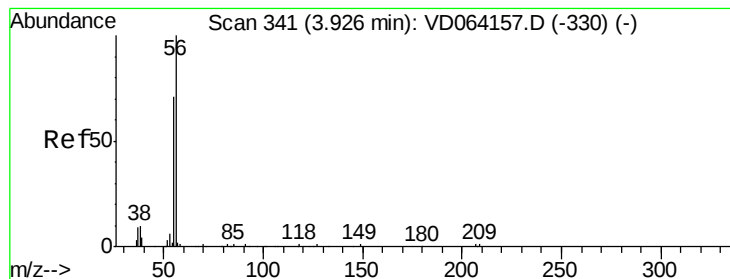
Tot Ion: 59 Resp: 76807
Ion Ratio Lower Upper
59 100
57 9.5 9.4 14.2



#12
1,1-Dichloroethene
Concen: 49.670 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion: 96 Resp: 250977
Ion Ratio Lower Upper
96 100
61 164.4 127.4 191.2
98 66.6 48.1 72.1





#13

Acrolein

Concen: 251.920 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

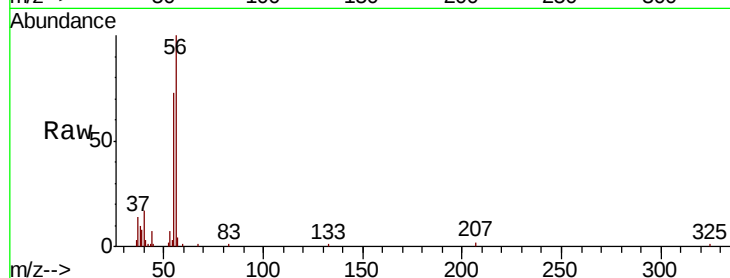
ClientSampleId :

Tot Ion: 56 Resp: 73617

Ion Ratio Lower Upper

56 100

55 71.4 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

25000

20000

15000

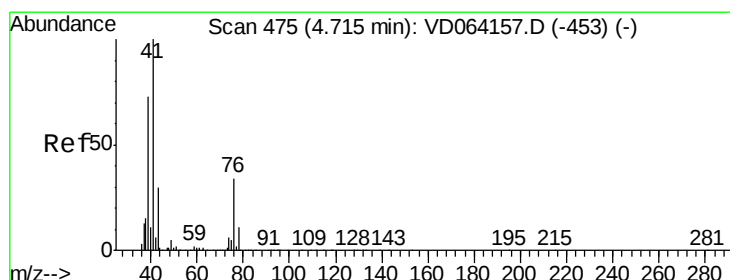
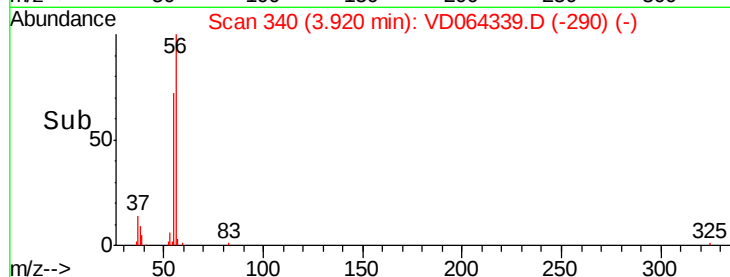
10000

5000

0

3.80 3.90 4.00

Time-->



#14

Allyl chloride

Concen: 44.803 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

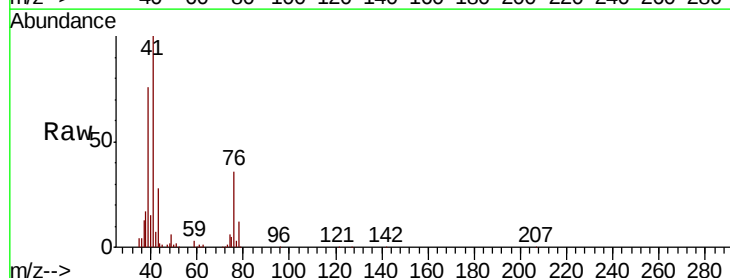
Tgt Ion: 41 Resp: 400262

Ion Ratio Lower Upper

41 100

39 75.9 57.5 86.3

76 37.0 26.8 40.2



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

150000

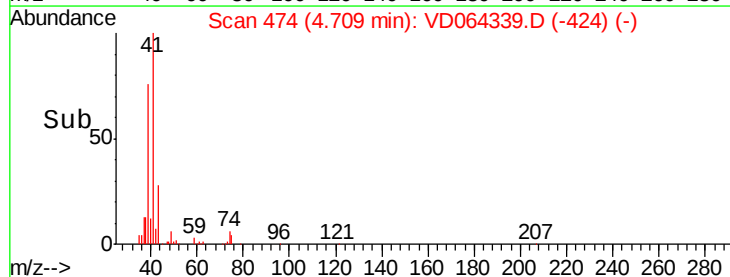
100000

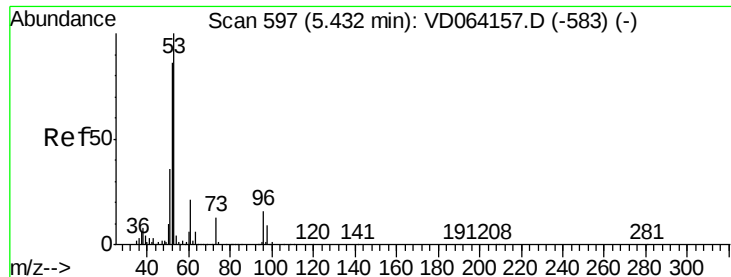
50000

0

4.50 4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 228.969 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

ClientSampleId :

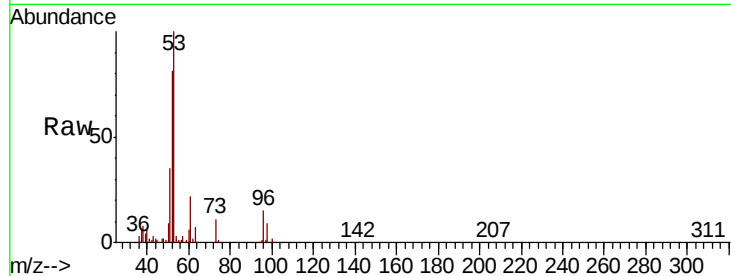
Tot Ion: 53 Resp: 248930

Ion Ratio Lower Upper

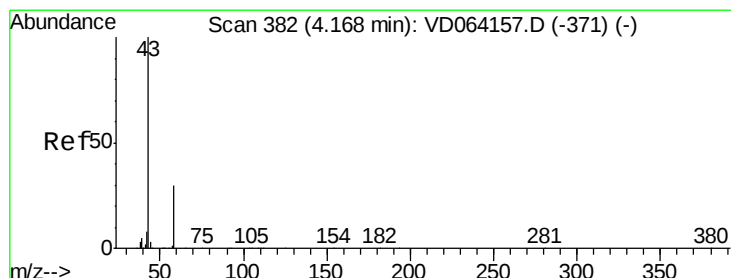
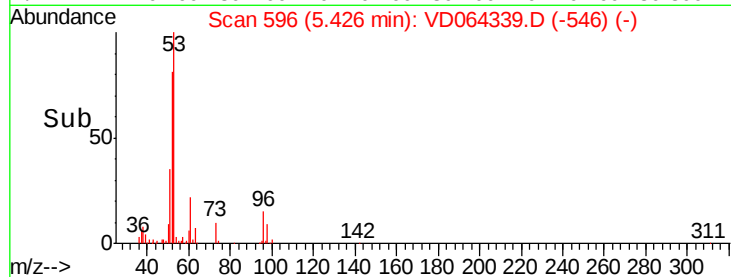
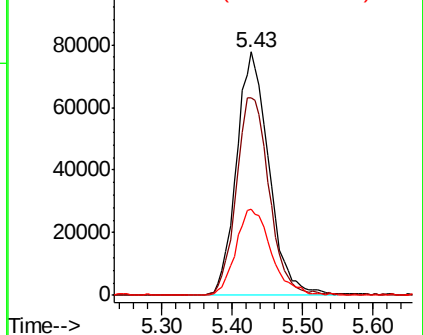
53 100

52 82.2 66.7 100.1

51 38.4 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: 260.609 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064339.D

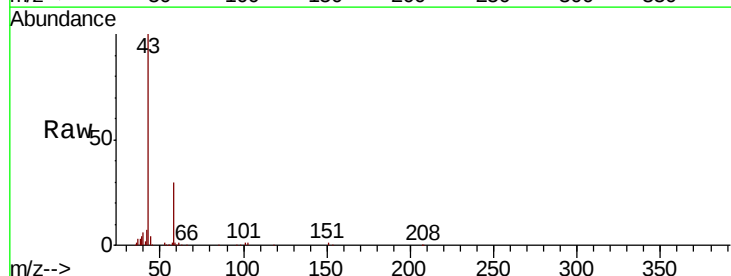
Acq: 22 Nov 2019 11:00

Tgt Ion: 43 Resp: 305334

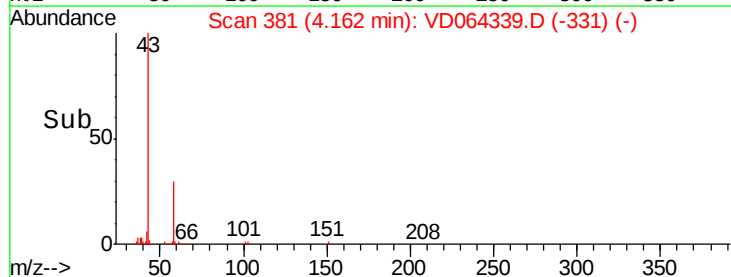
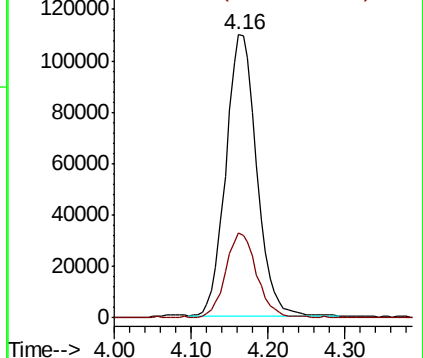
Ion Ratio Lower Upper

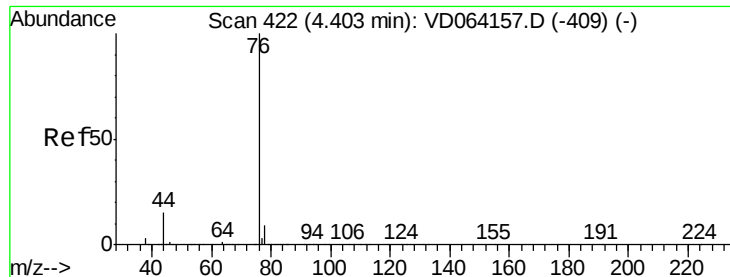
43 100

58 29.9 24.1 36.1



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

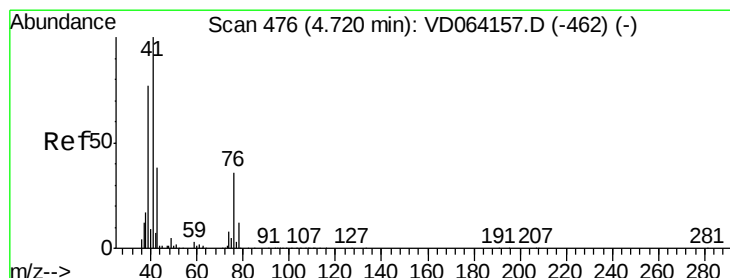
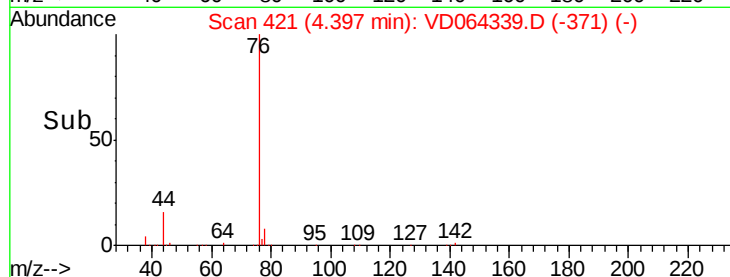
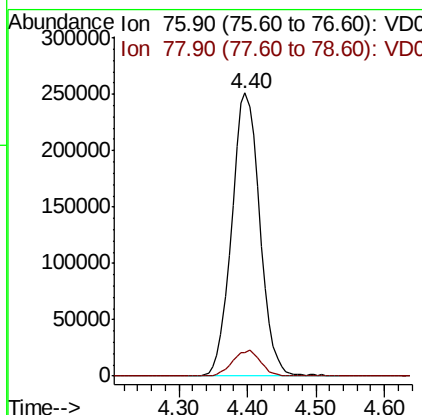
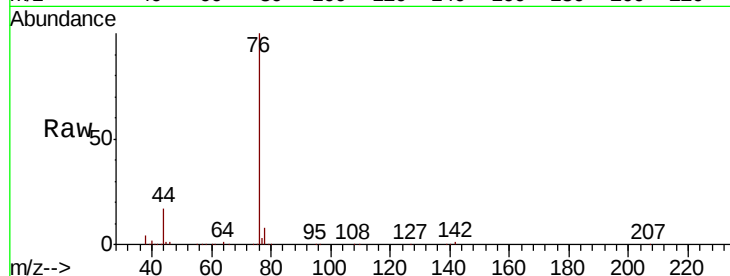




#17
Carbon Disulfide
Concen: 45.457 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

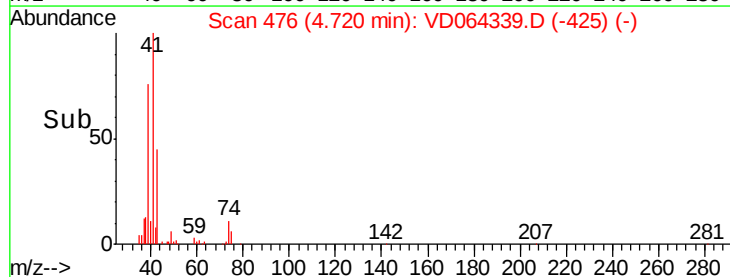
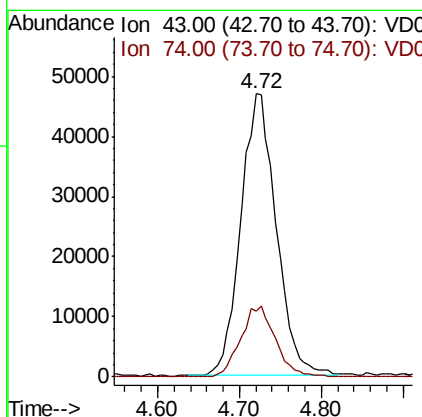
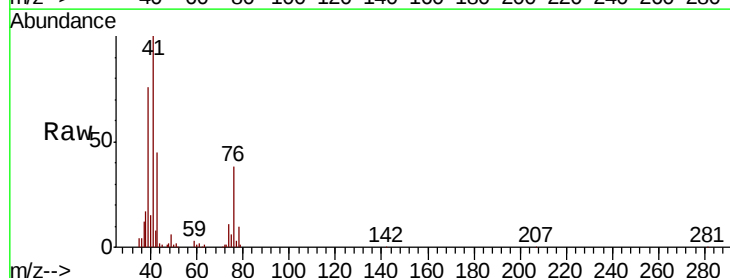
Instrument :
MSVOA_D
ClientSampled :

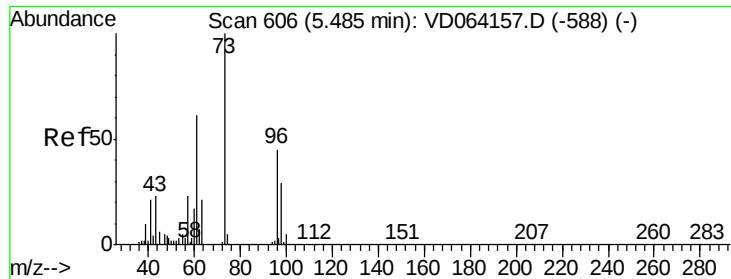
Tot Ion: 76 Resp: 715303
Ion Ratio Lower Upper
76 100
78 8.4 7.2 10.8



#18
Methyl Acetate
Concen: 43.392 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion: 43 Resp: 141995
Ion Ratio Lower Upper
43 100
74 24.4 18.4 27.6

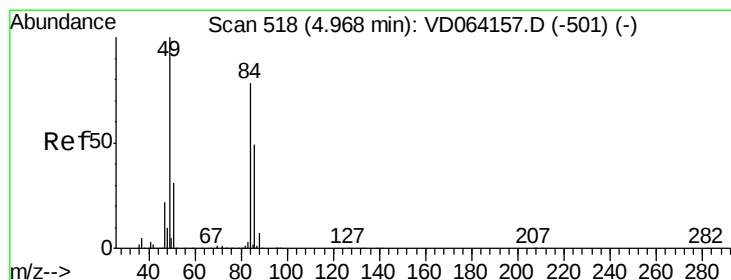
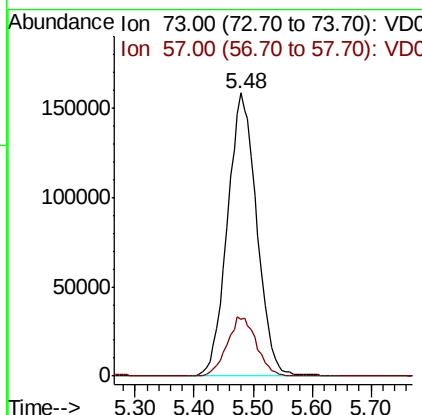
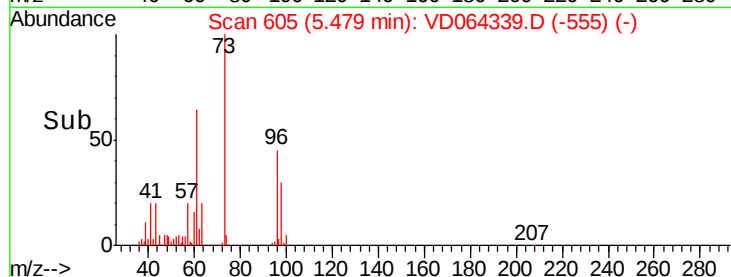
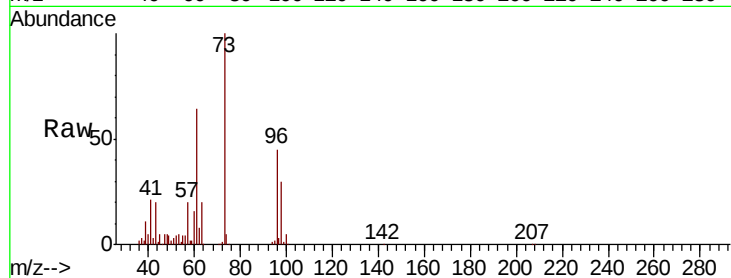




#19
Methvl tert-butvl Ether
Concen: 45.491 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

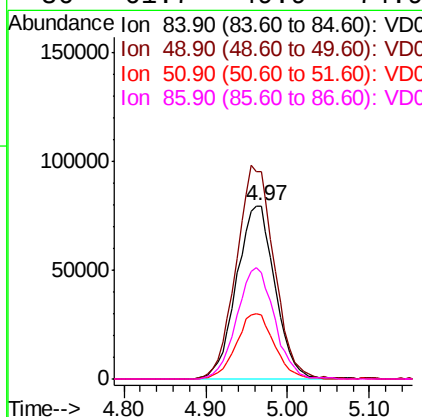
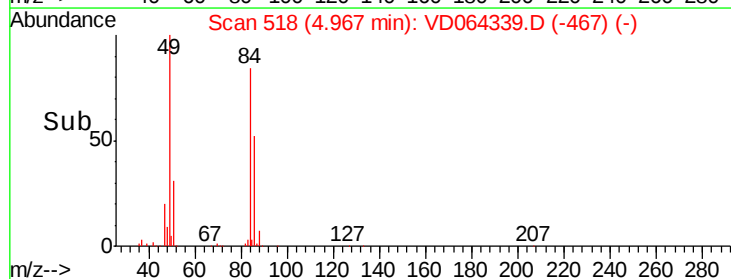
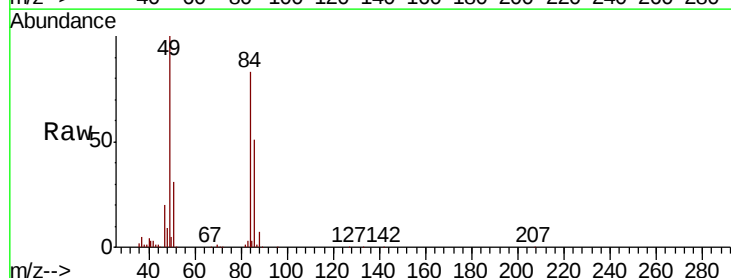
Instrument :
MSVOA_D
ClientSampleId :

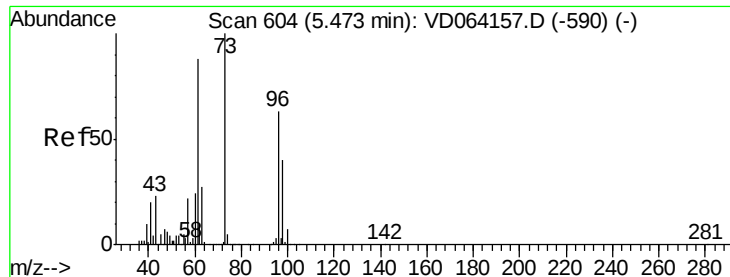
Tot Ion: 73 Resp: 548732
Ion Ratio Lower Upper
73 100
57 20.3 18.4 27.6



#20
Methylene Chloride
Concen: 43.922 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion: 84 Resp: 259942
Ion Ratio Lower Upper
84 100
49 120.0 102.1 153.1
51 37.2 32.2 48.2
86 61.7 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 47.984 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

ClientSampleId :

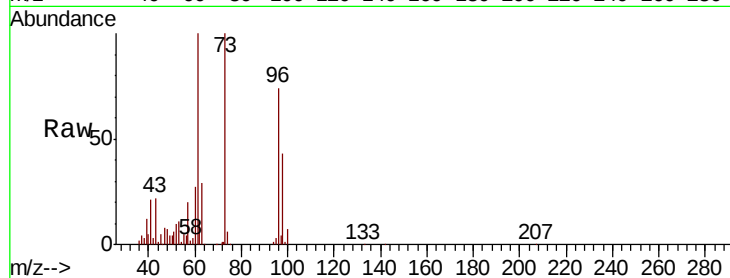
Tot Ion: 96 Resp: 274695

Ion Ratio Lower Upper

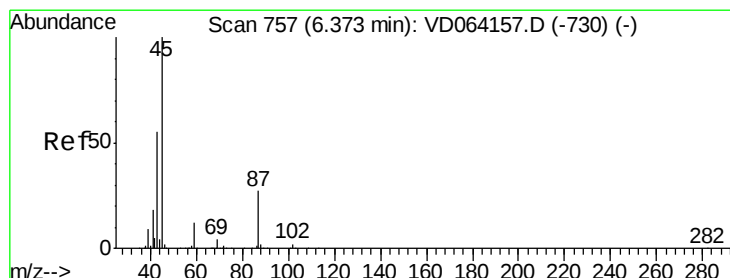
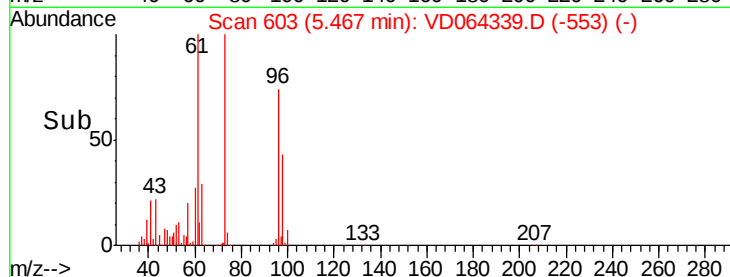
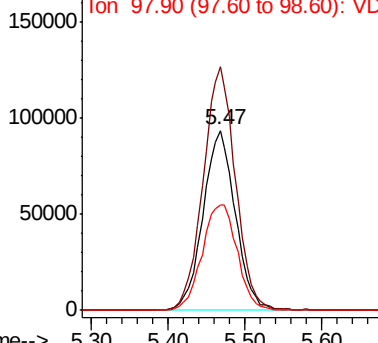
96 100

61 135.2 111.8 167.6

98 58.3 50.3 75.5



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



#22

Diisopropyl ether

Concen: 45.276 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Tgt Ion: 45 Resp: 750504

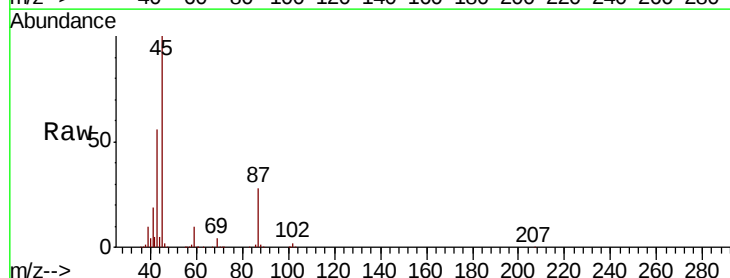
Ion Ratio Lower Upper

45 100

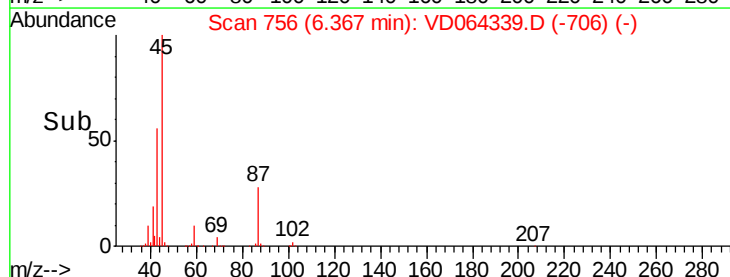
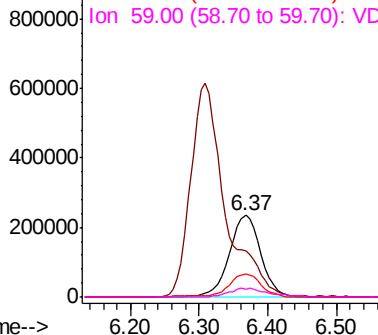
43 56.0 44.4 66.6

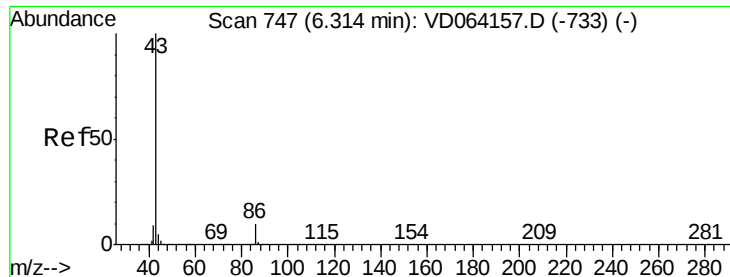
87 27.5 21.9 32.9

59 9.9 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC

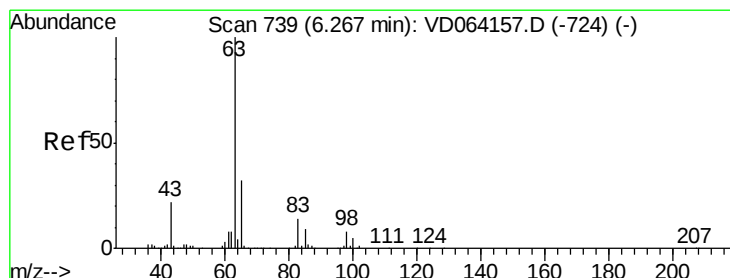
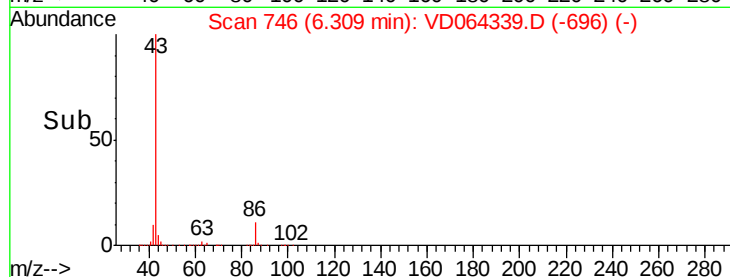
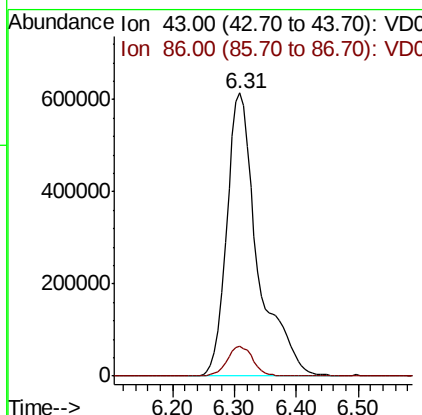
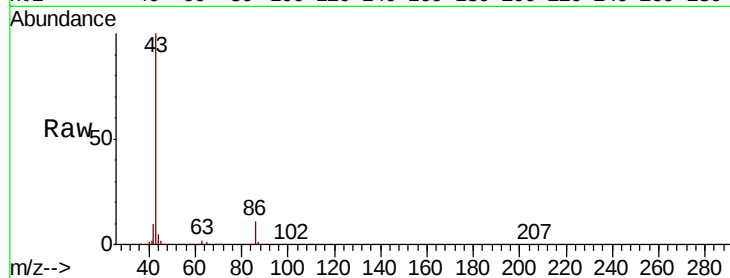




#23
 Vinyl Acetate
 Concen: 232.328 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD064339.D
 Acq: 22 Nov 2019 11:00

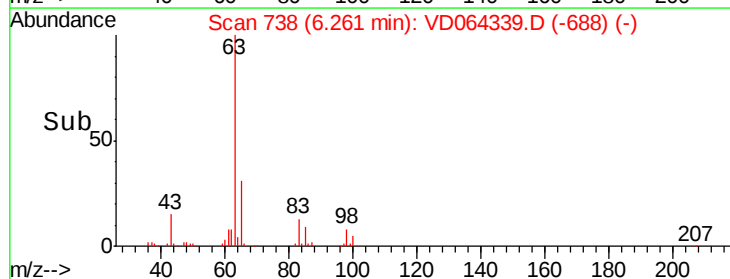
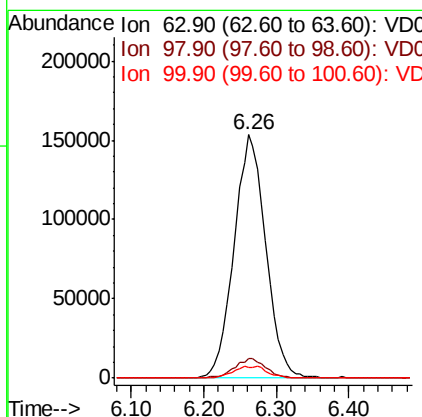
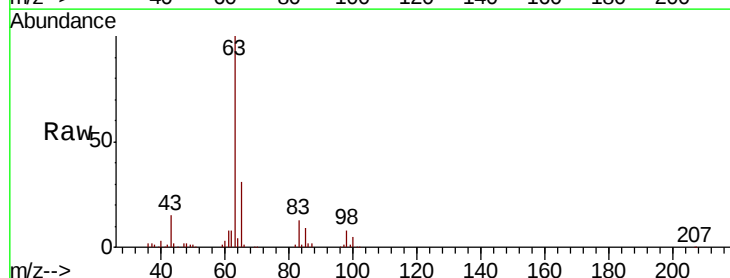
Instrument :
 MSVOA_D
 ClientSampleId :

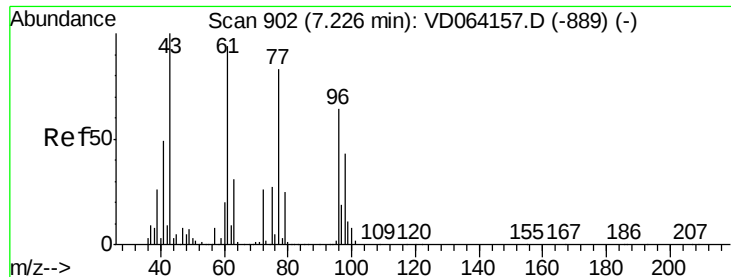
Tot Ion: 43 Resp: 2146706
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 48.444 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD064339.D
 Acq: 22 Nov 2019 11:00

Tgt Ion: 63 Resp: 466258
 Ion Ratio Lower Upper
 63 100
 98 8.1 3.8 11.4
 100 4.5 2.4 7.2

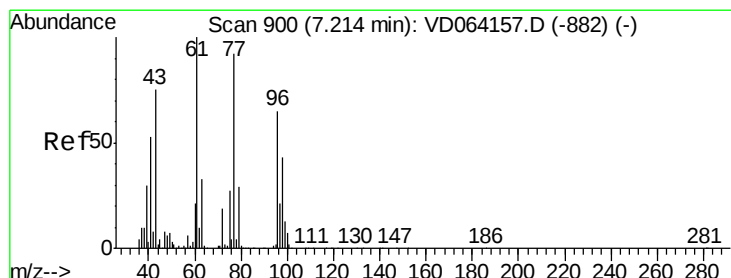
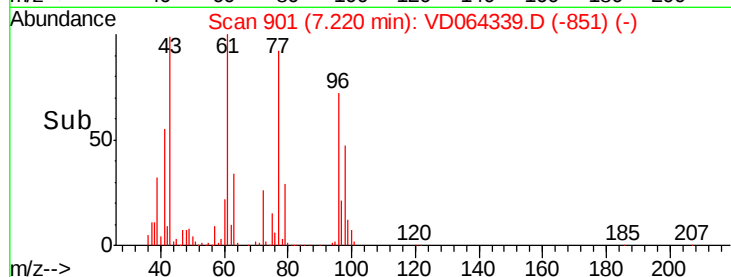
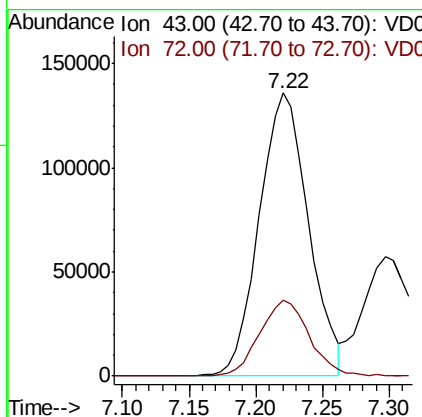
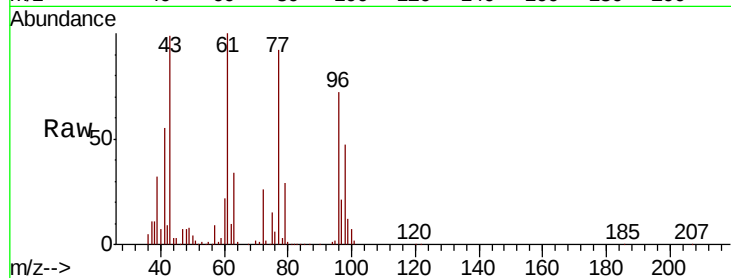




#25
2-Butanone
Concen: 228.921 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

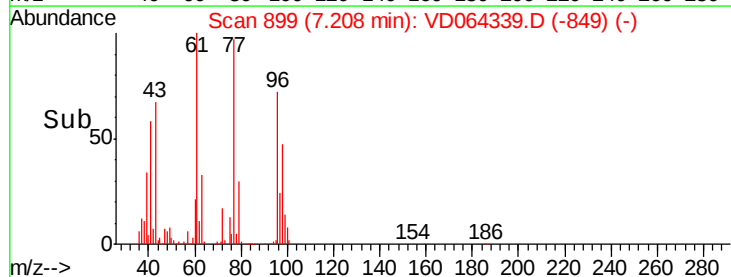
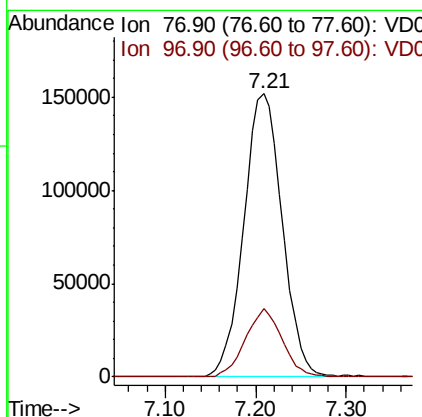
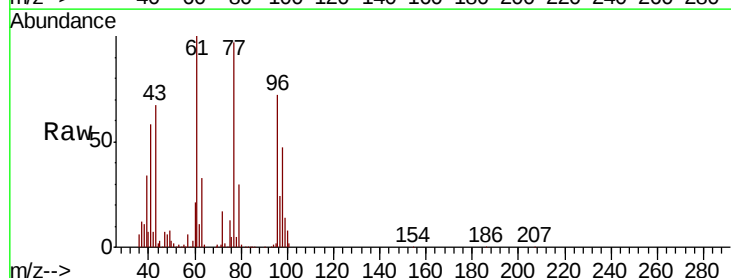
Instrument :
MSVOA_D
ClientSampled :

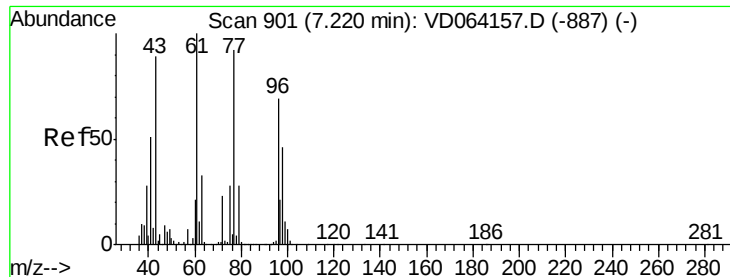
Tot Ion: 43 Resp: 346509
Ion Ratio Lower Upper
43 100
72 26.7 20.6 30.8



#26
2,2-Dichloropropane
Concen: 47.332 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion: 77 Resp: 446755
Ion Ratio Lower Upper
77 100
97 23.0 11.1 33.3



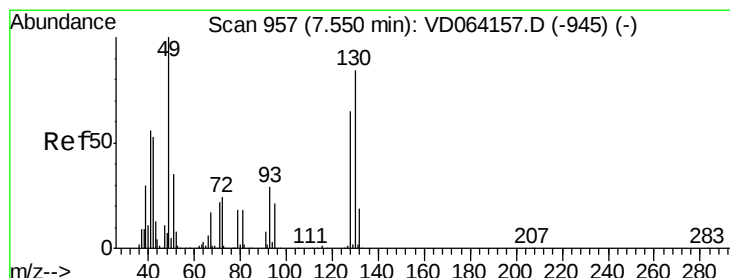
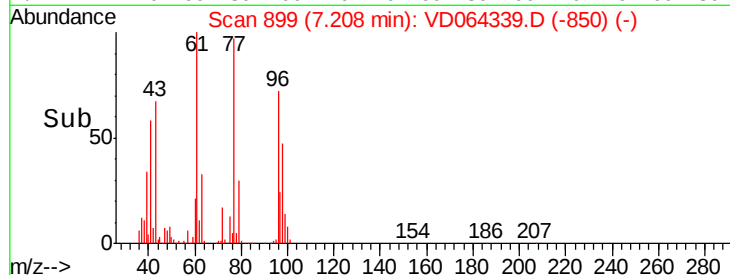
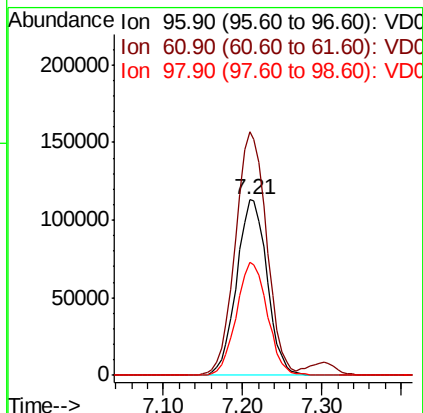
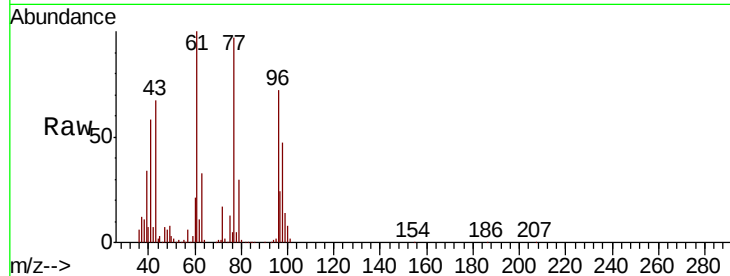


#27

cis-1,2-Dichloroethene
Concen: 49.292 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Instrument :
MSVOA_D
ClientSampleId :

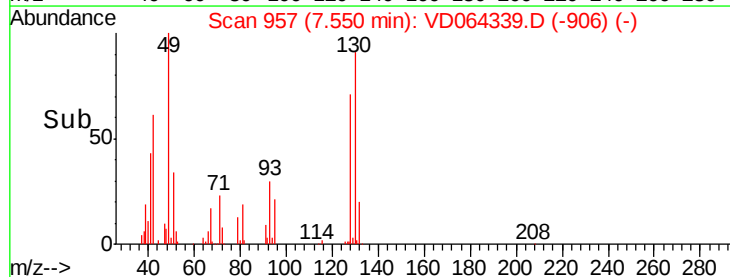
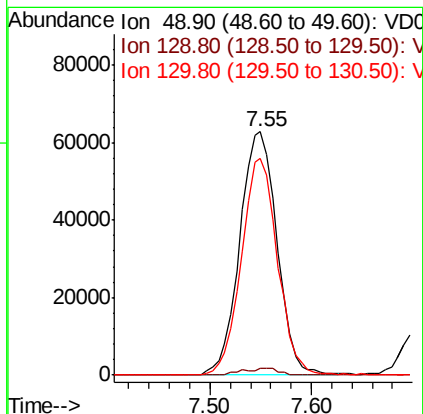
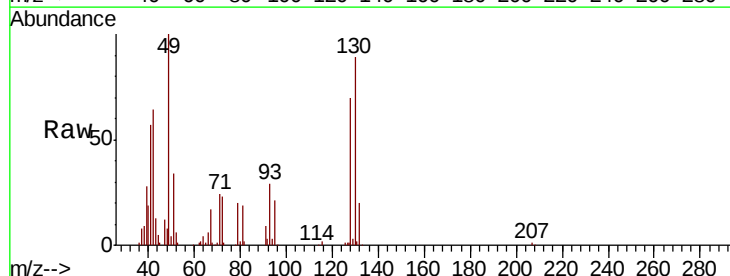
Tot Ion	96	Resp	302609
Ion	Ratio	Lower	Upper
96	100		
61	141.9	0.0	301.4
98	65.3	0.0	133.2

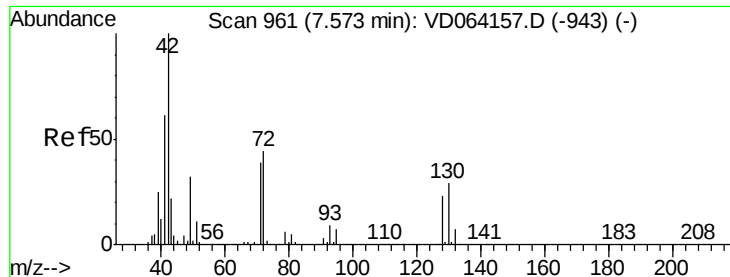


#28

Bromochloromethane
Concen: 47.859 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion	49	Resp	160368
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.4
130	86.6	66.8	100.2





#29

Tetrahydrofuran

Concen: 223.049 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :
MSVOA_D
ClientSampleId :

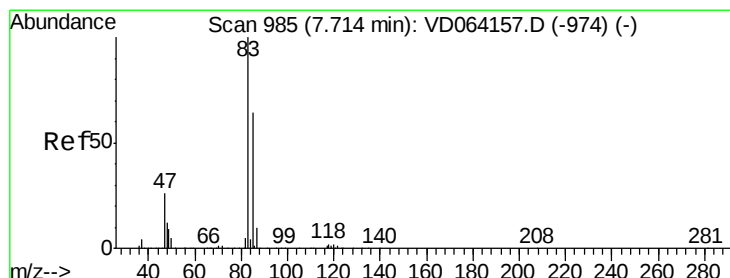
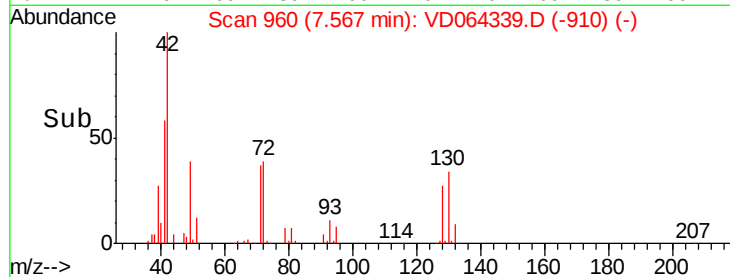
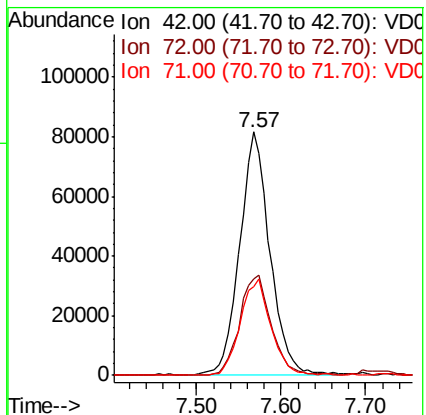
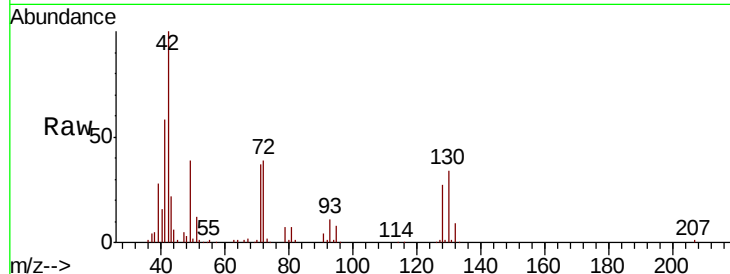
Tot Ion: 42 Resp: 202850

Ion Ratio Lower Upper

42 100

72 42.6 33.4 50.2

71 40.1 31.0 46.4



#30

Chloroform

Concen: 48.461 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD064339.D

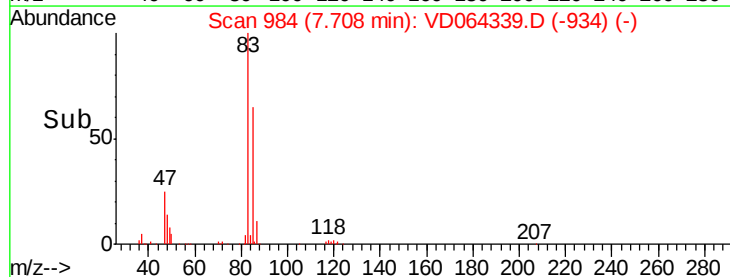
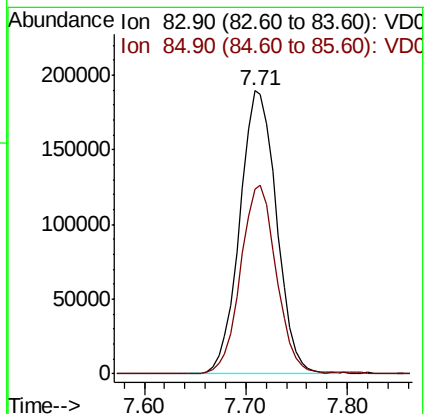
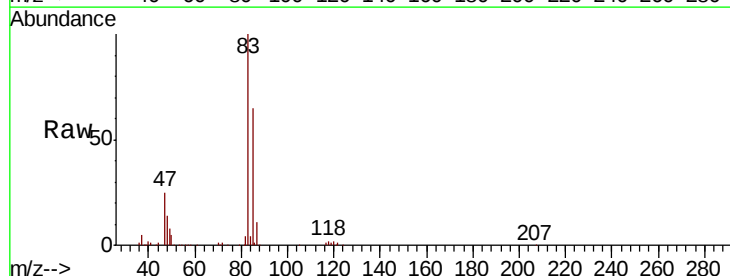
Acq: 22 Nov 2019 11:00

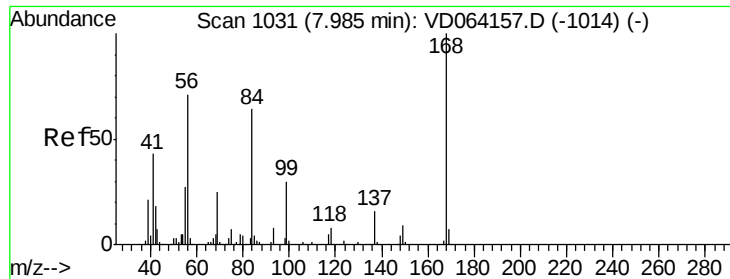
Tgt Ion: 83 Resp: 477097

Ion Ratio Lower Upper

83 100

85 65.5 51.4 77.0

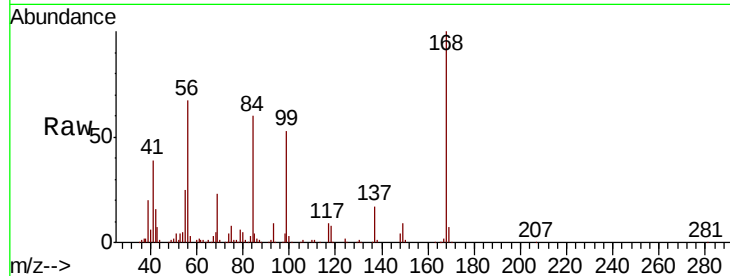




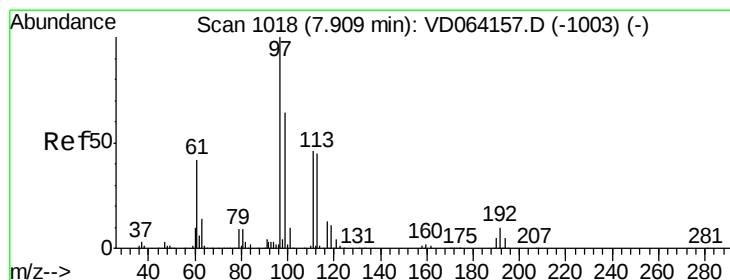
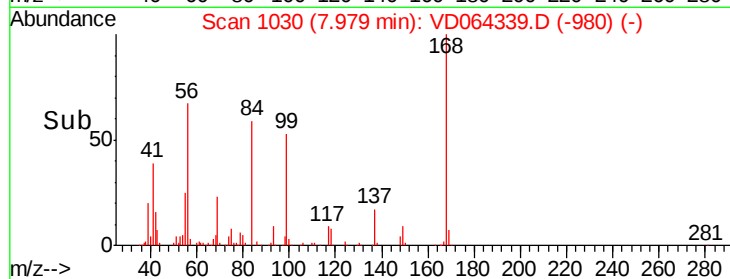
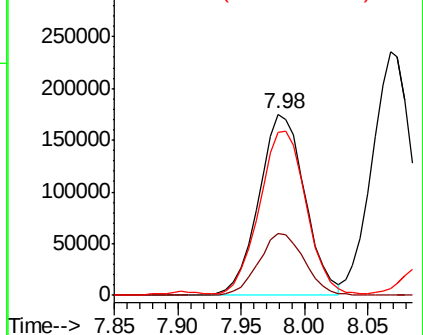
#31
Cyclohexane
Concen: 45.402 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 56 Resp: 440704
Ion Ratio Lower Upper
56 100
69 34.5 28.2 42.4
84 88.6 71.8 107.6

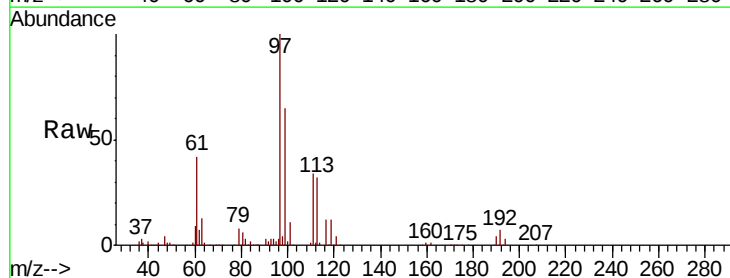


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

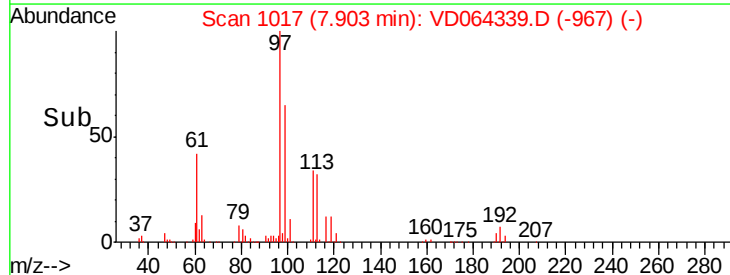
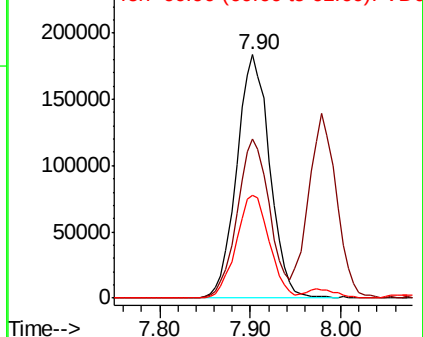


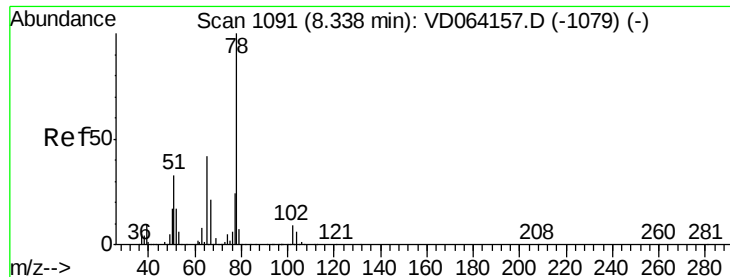
#32
1,1,1-Trichloroethane
Concen: 49.198 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion: 97 Resp: 463782
Ion Ratio Lower Upper
97 100
99 64.6 51.6 77.4
61 42.4 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: 42.415 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

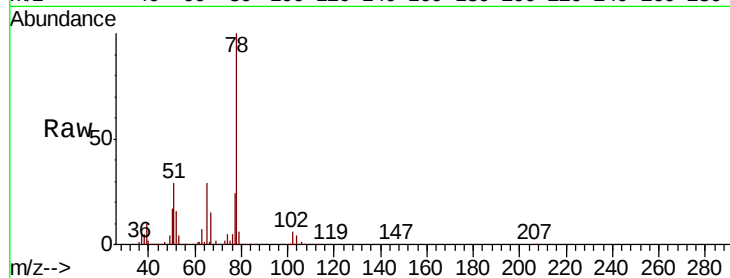
ClientSampleId :

Tot Ion: 65 Resp: 209766

Ion Ratio Lower Upper

65 100

67 51.3 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

100000

80000

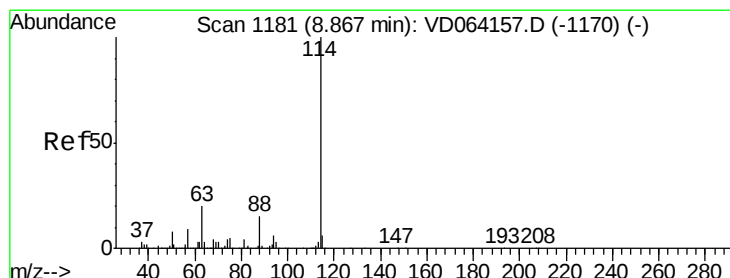
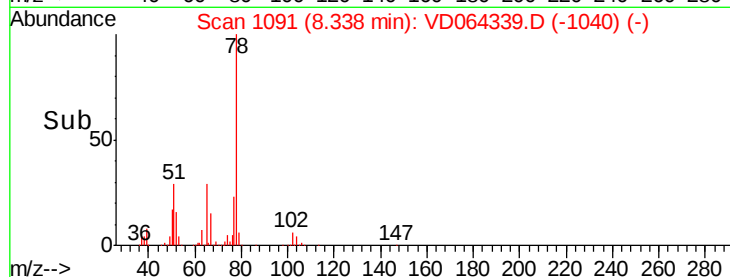
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

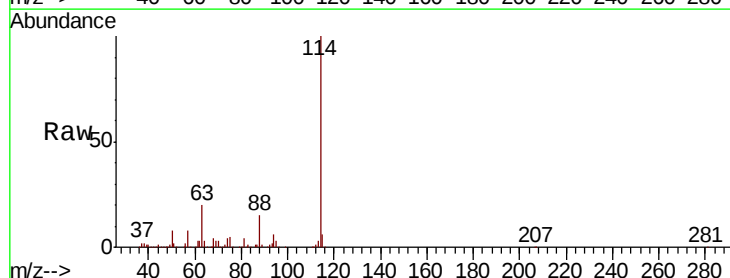
Tgt Ion: 114 Resp: 841886

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

88 14.8 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

8.87

500000

400000

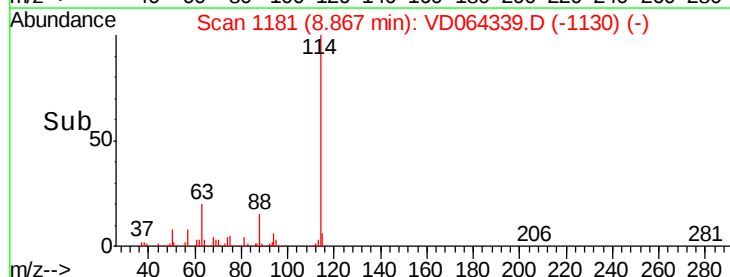
300000

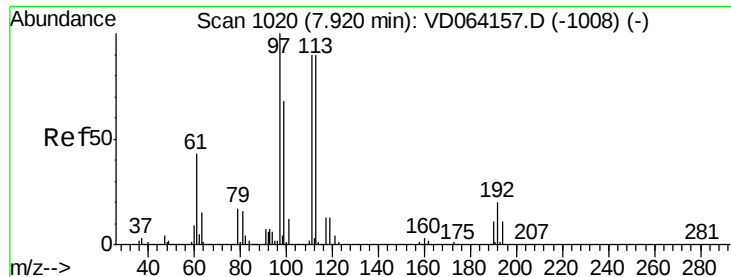
200000

100000

0

Time-->

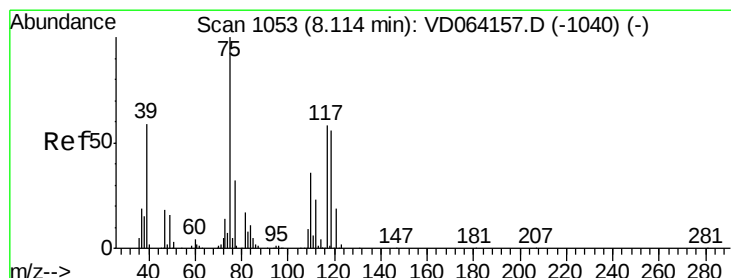
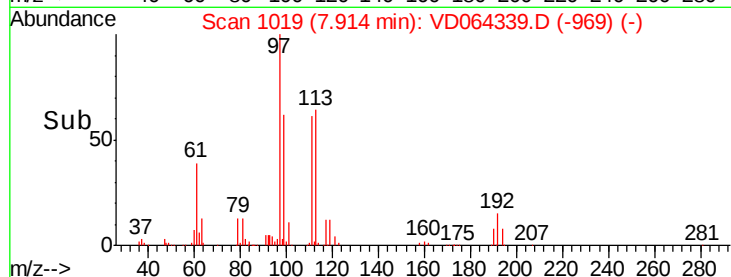
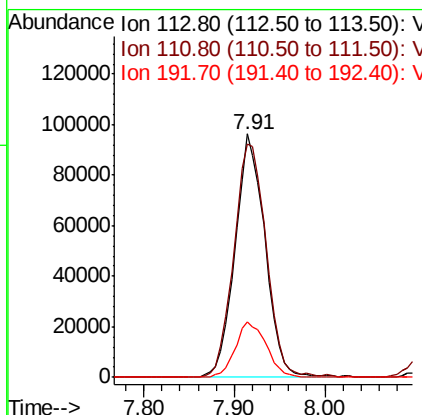
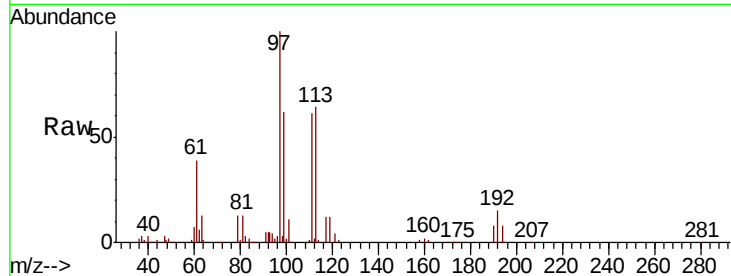




#35
 Dibromofluoromethane
 Concen: 45.812 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064339.D
 Acq: 22 Nov 2019 11:00

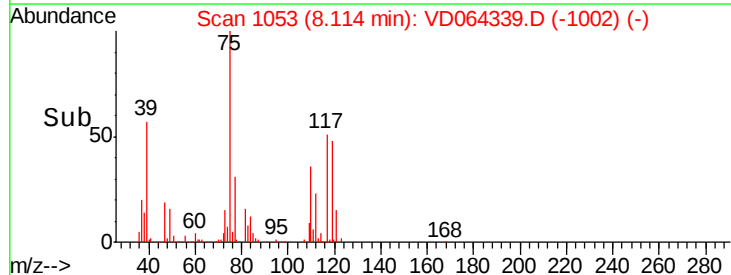
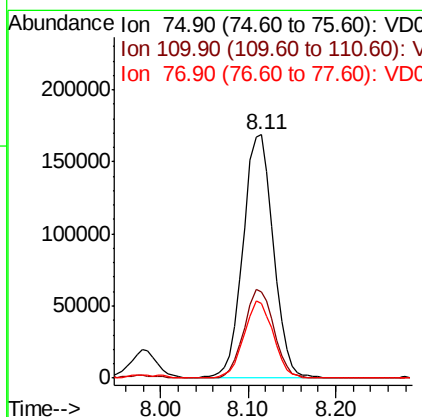
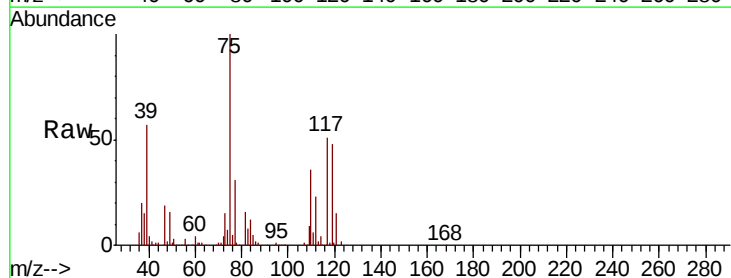
Instrument :
 MSVOA_D
 ClientSampleId :

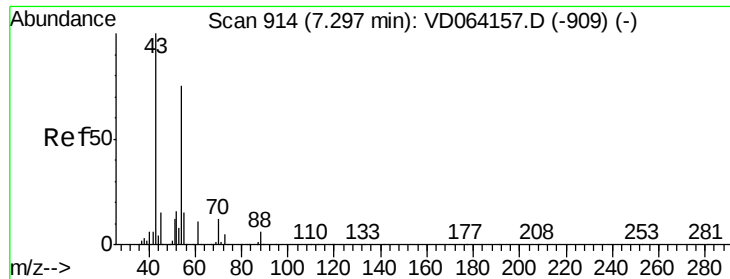
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.5	122.3
192	23.4	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 50.604 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064339.D
 Acq: 22 Nov 2019 11:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.3	54.9
77	31.1	25.0	37.6

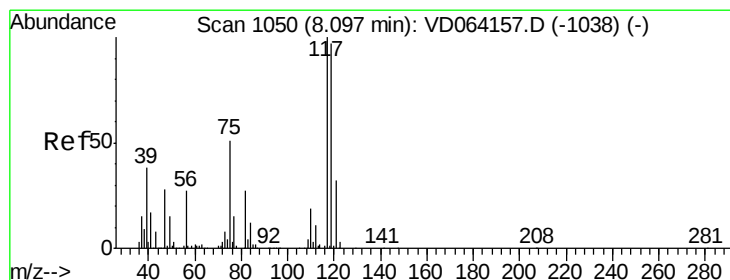
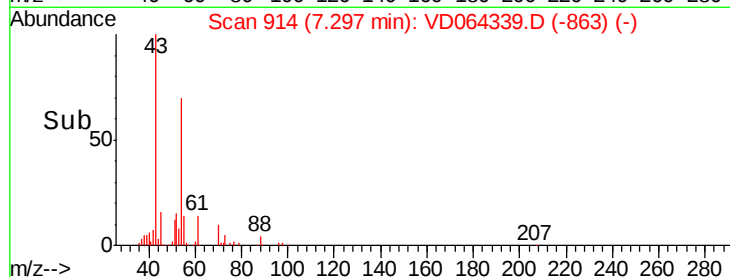
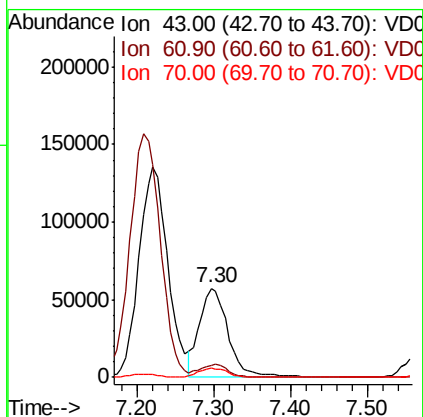
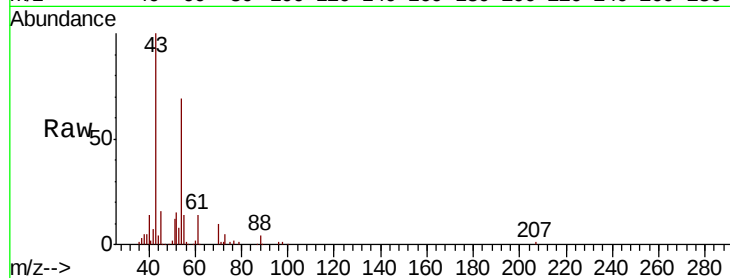




#37
Ethyl Acetate
Concen: 44.615 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

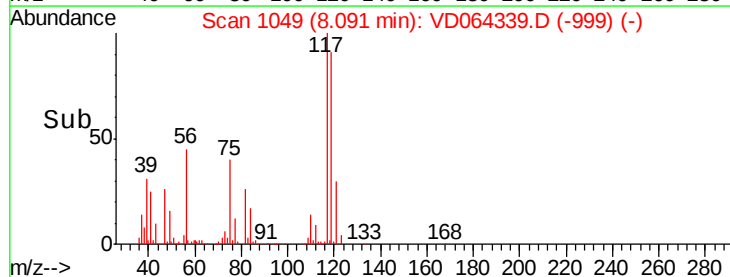
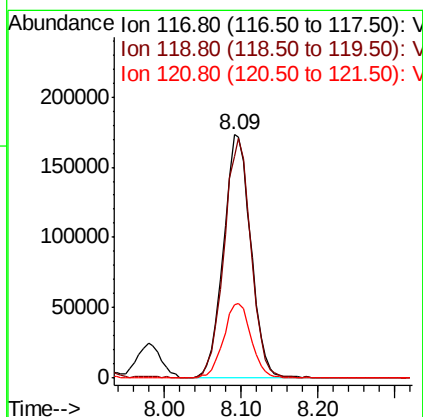
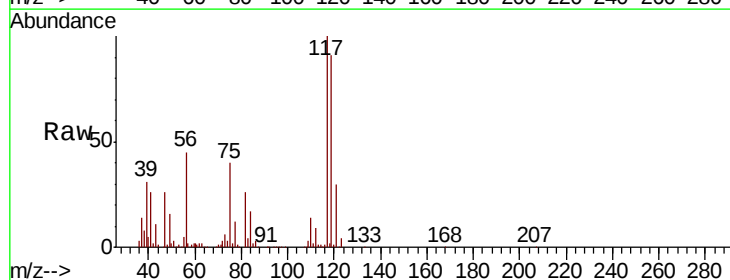
Instrument :
MSVOA_D
ClientSampleId :

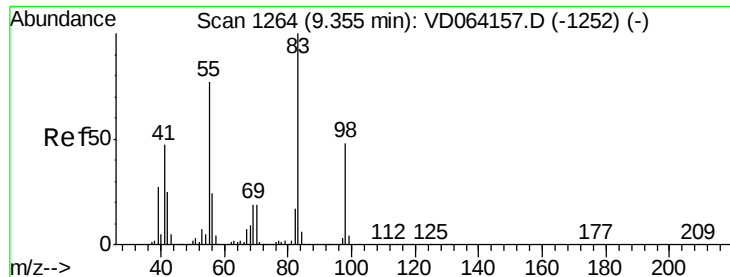
Tot Ion: 43 Resp: 146142
Ion Ratio Lower Upper
43 100
61 14.9 10.2 15.2
70 10.4 8.5 12.7



#38
Carbon Tetrachloride
Concen: 51.351 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion: 117 Resp: 426929
Ion Ratio Lower Upper
117 100
119 90.8 77.2 115.8
121 30.4 25.5 38.3

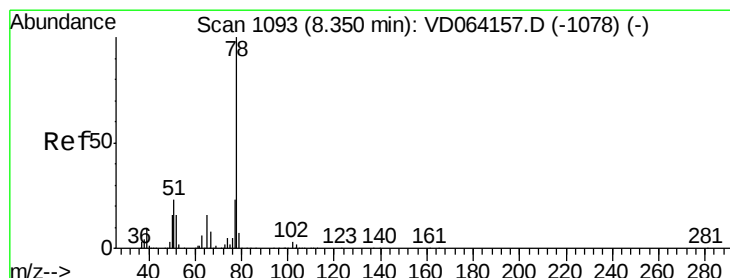
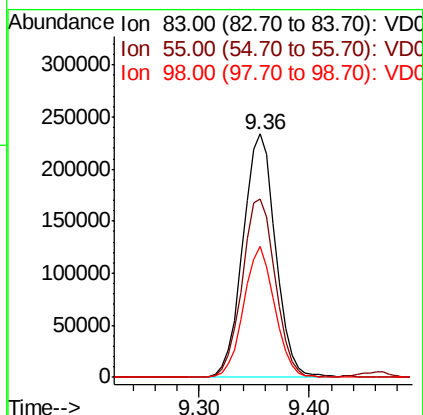
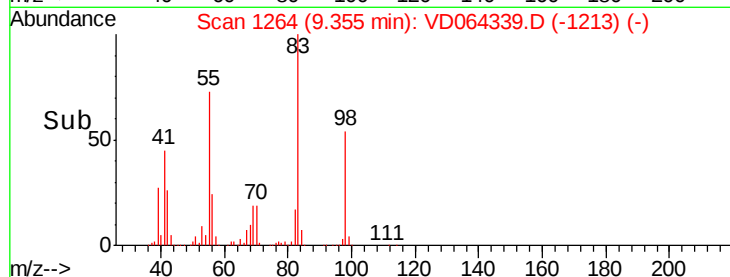
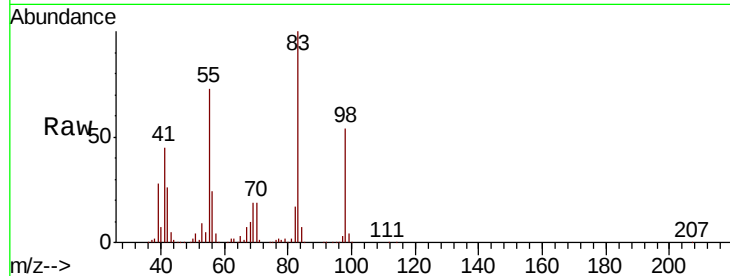




#39
Methvlcvclohexane
Concen: 49.463 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

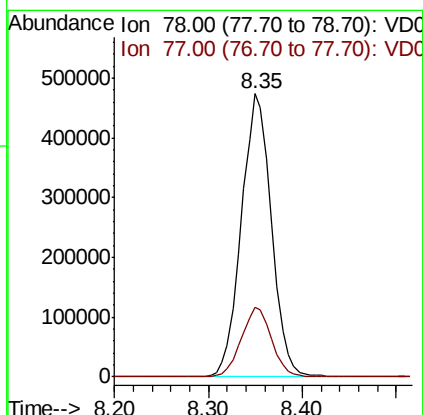
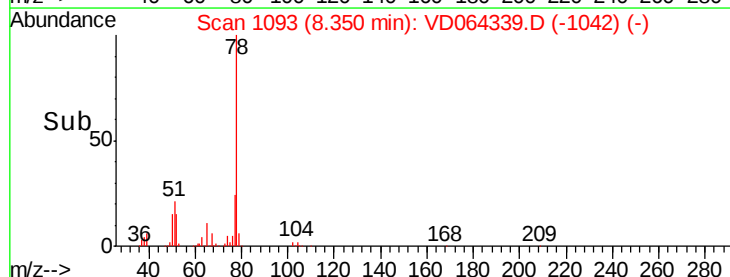
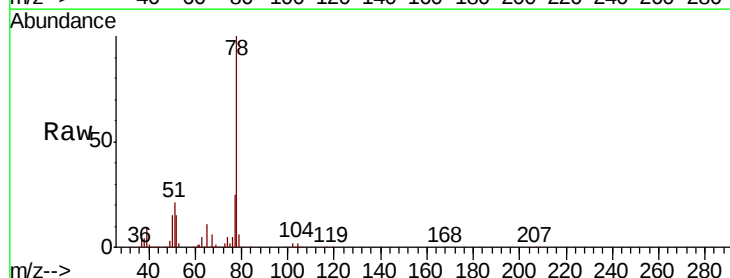
Instrument :
MSVOA_D
ClientSampleId :

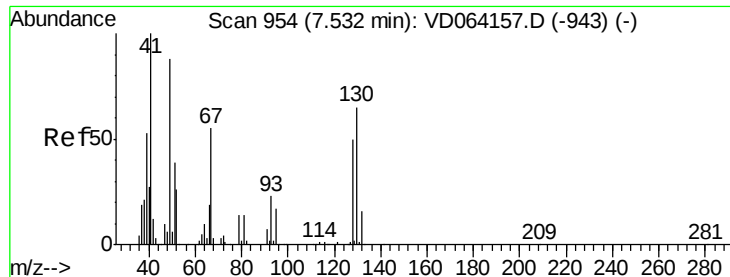
Tot Ion: 83 Resp: 486300
Ion Ratio Lower Upper
83 100
55 73.1 61.7 92.5
98 53.7 38.6 58.0



#40
Benzene
Concen: 49.434 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion: 78 Resp: 1049737
Ion Ratio Lower Upper
78 100
77 24.5 18.6 28.0

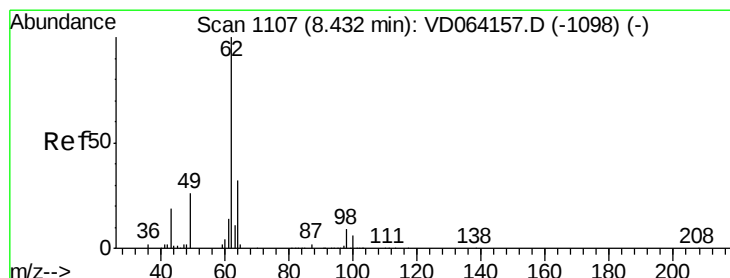
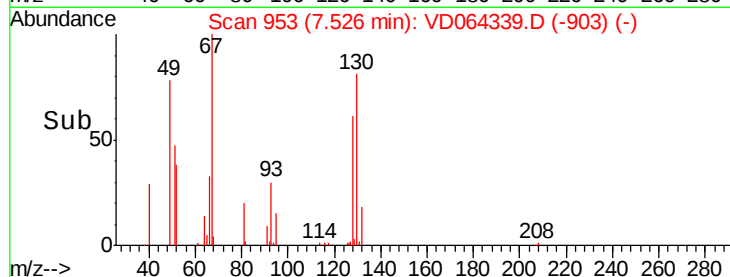
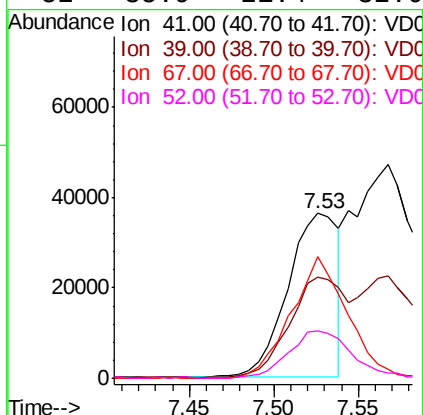
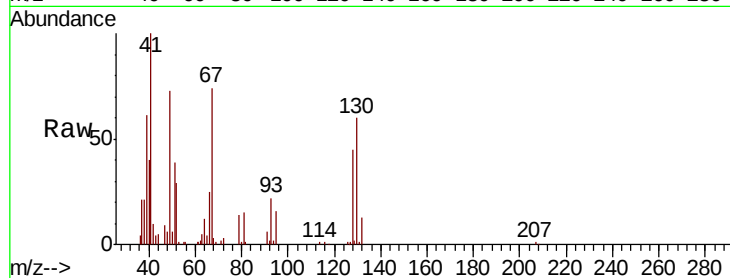




#41
Methacrylonitrile
Concen: 36.746 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

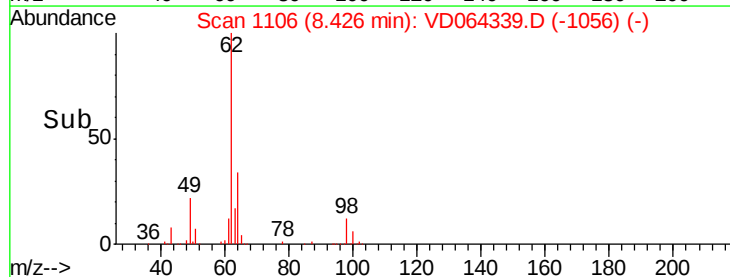
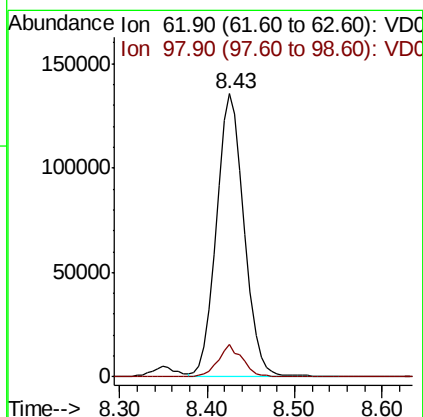
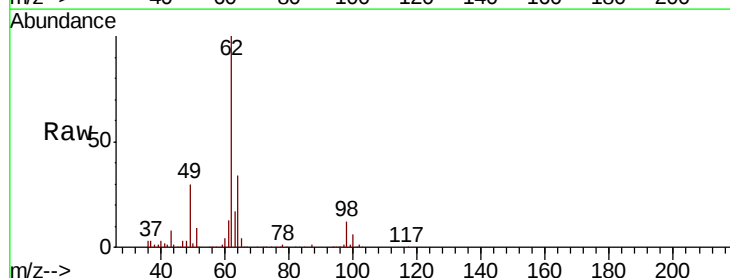
Instrument :
MSVOA_D
ClientSampleId :

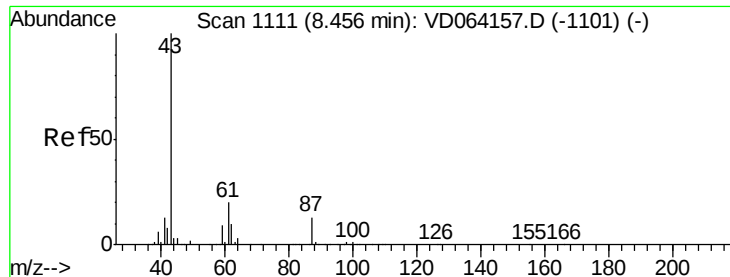
Tot Ion: 41 Resp: 75653
Ion Ratio Lower Upper
41 100
39 68.1 49.4 74.2
67 82.4 49.6 74.4#
52 35.9 21.4 32.0#



#42
1,2-Dichloroethane
Concen: 46.519 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion: 62 Resp: 296688
Ion Ratio Lower Upper
62 100
98 10.1 0.0 19.0





#43

Isopropyl Acetate

Concen: 43.461 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

ClientSampleId :

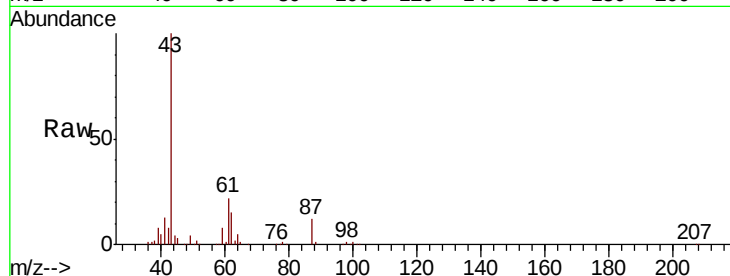
Tot Ion: 43 Resp: 293322

Ion Ratio Lower Upper

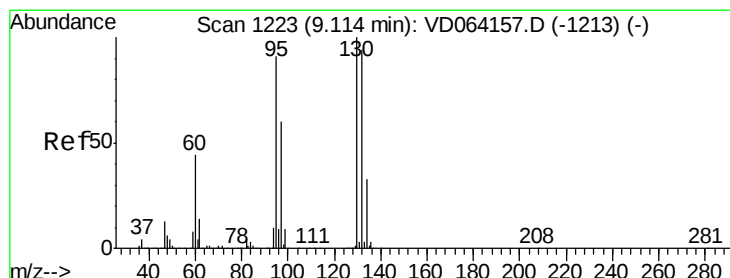
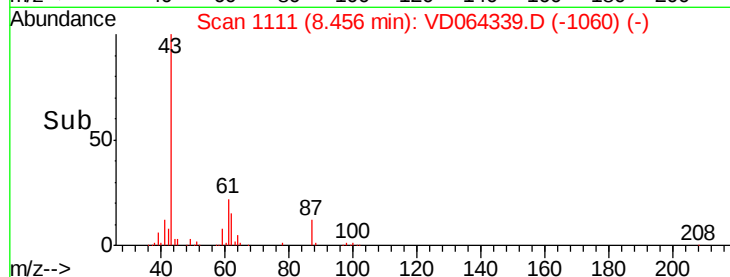
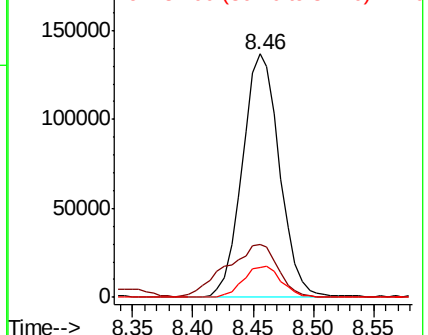
43 100

61 30.4 22.9 34.3

87 13.2 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: 50.180 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064339.D

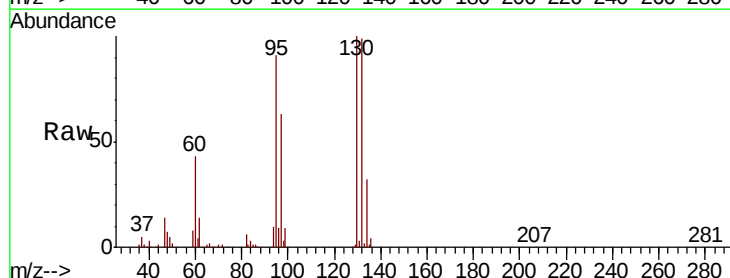
Acq: 22 Nov 2019 11:00

Tgt Ion:130 Resp: 319816

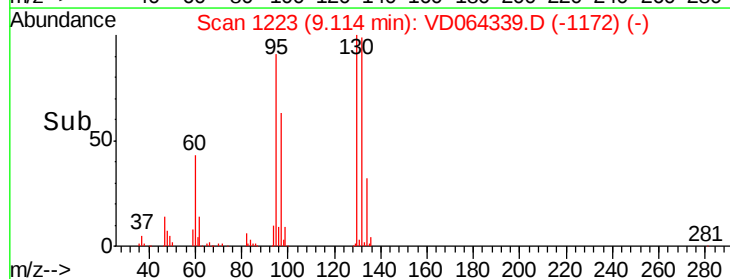
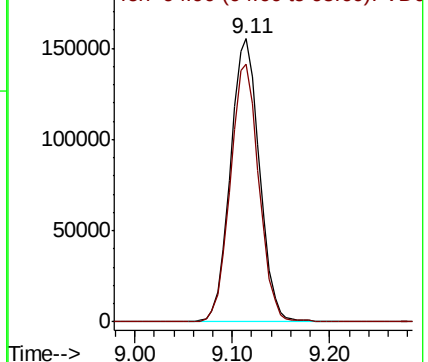
Ion Ratio Lower Upper

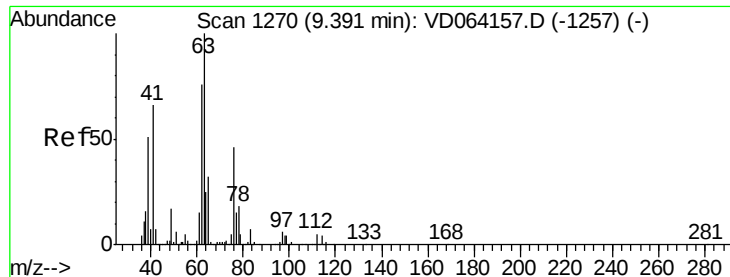
130 100

95 91.3 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: 47.957 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

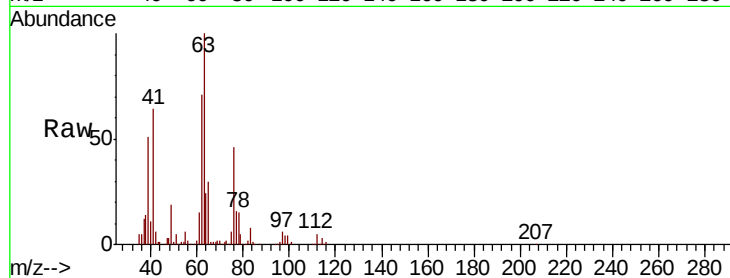
ClientSampleId :

Tot Ion: 63 Resp: 247871

Ion Ratio Lower Upper

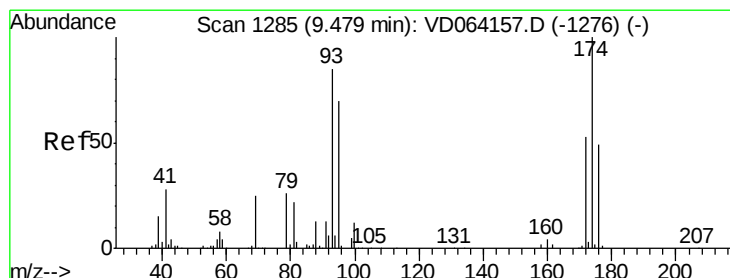
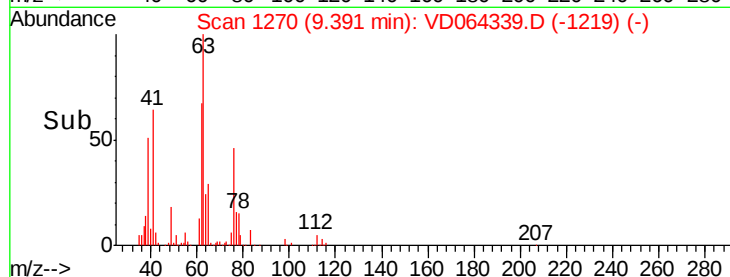
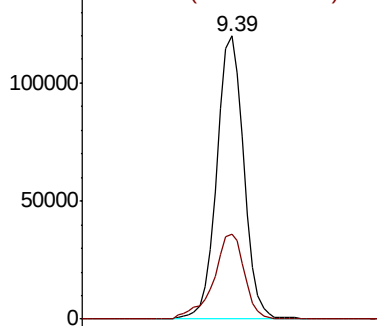
63 100

65 29.8 25.7 38.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 48.447 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

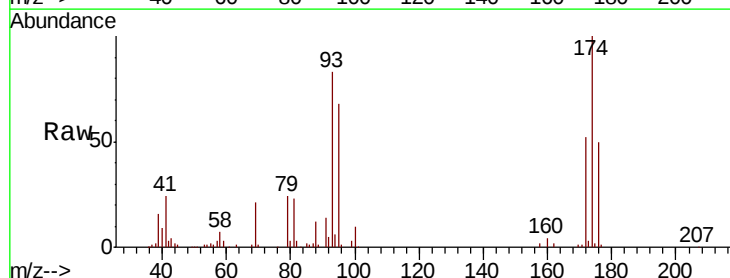
Tgt Ion: 93 Resp: 134055

Ion Ratio Lower Upper

93 100

95 84.2 65.5 98.3

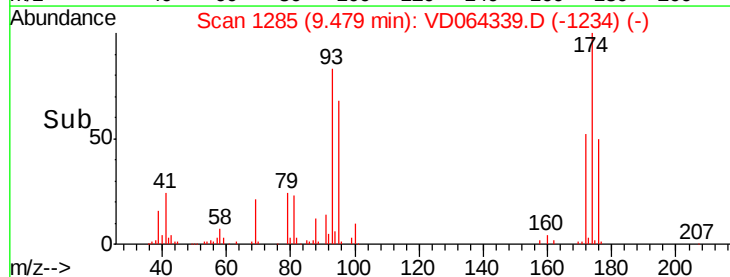
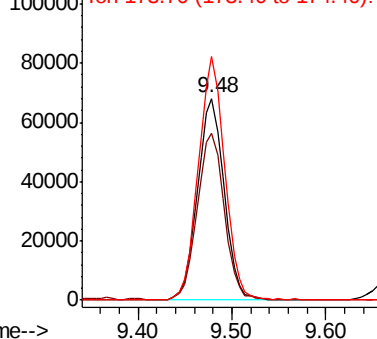
174 119.3 93.9 140.9

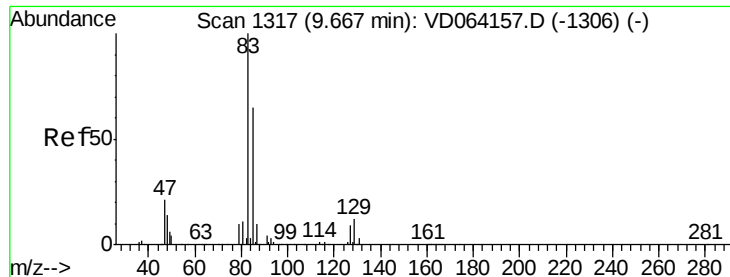


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 47.899 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

ClientSampleId :

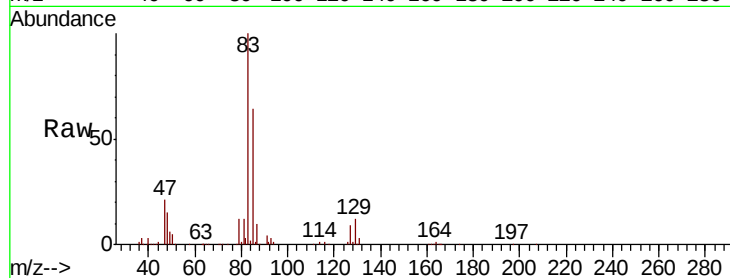
Tot Ion: 83 Resp: 357009

Ion Ratio Lower Upper

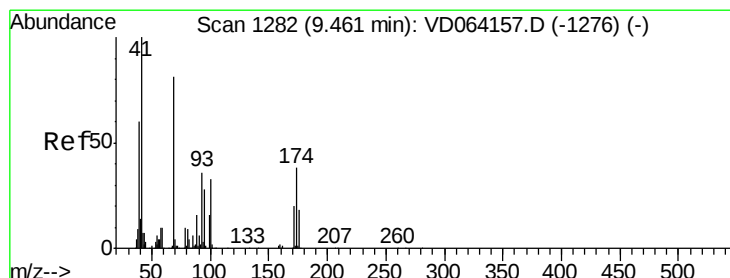
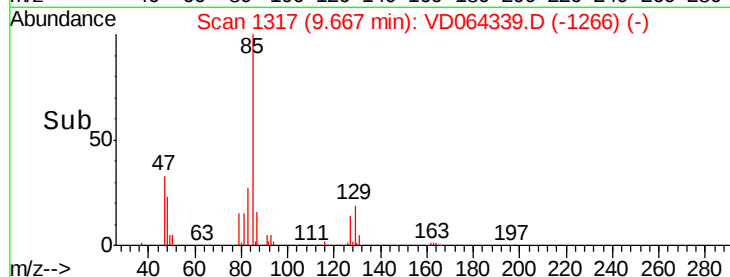
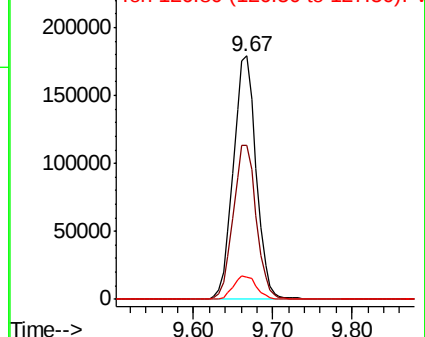
83 100

85 63.5 52.2 78.4

127 9.0 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: 44.031 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

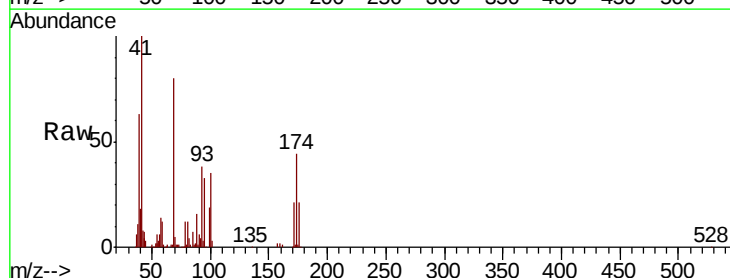
Tgt Ion: 41 Resp: 145308

Ion Ratio Lower Upper

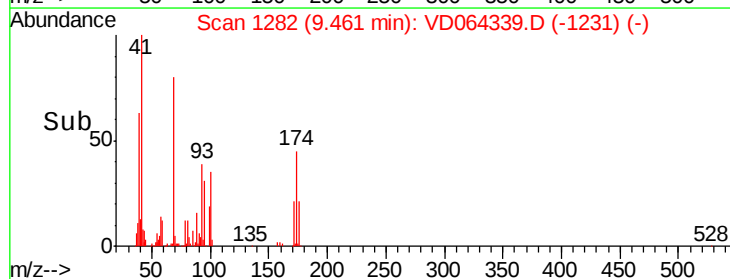
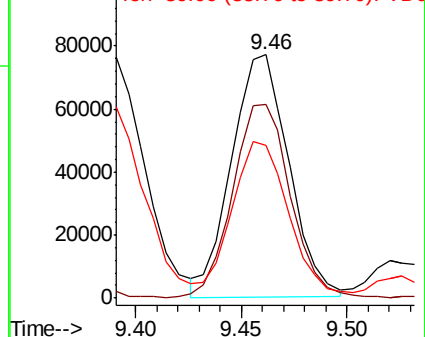
41 100

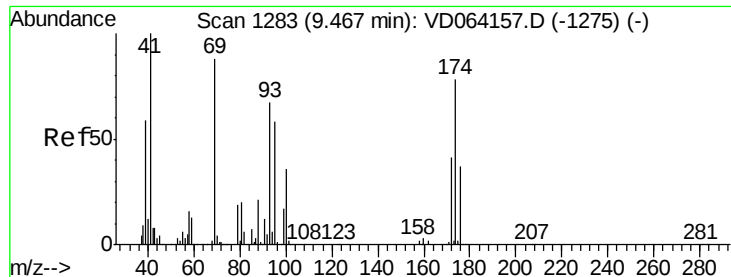
69 79.8 64.6 97.0

39 59.3 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

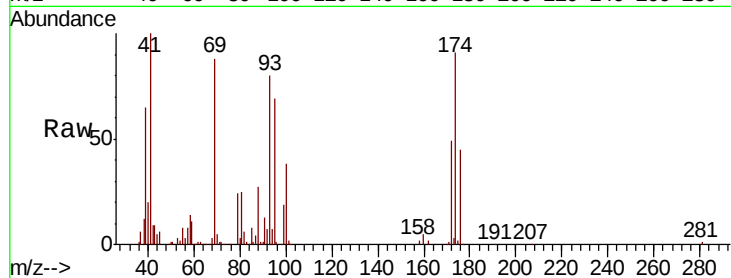




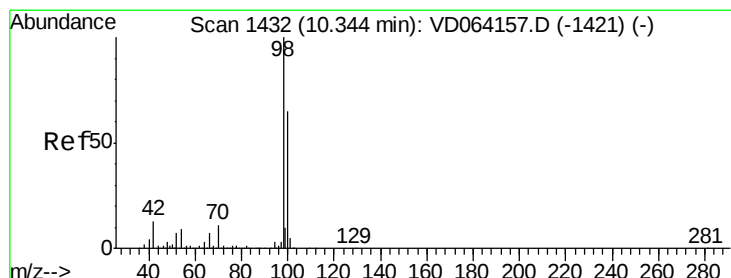
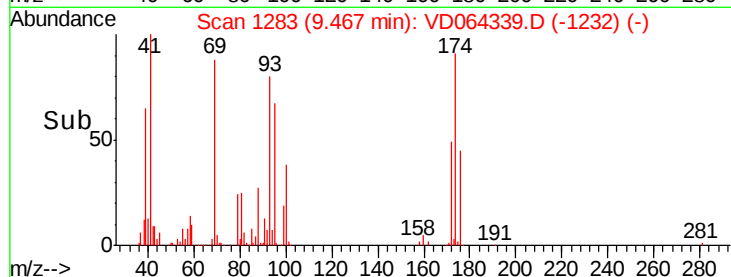
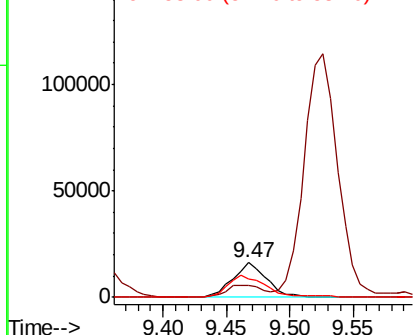
#49
1,4-Dioxane
Concen: 918.028 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 30508
Ion Ratio Lower Upper
88 100
43 35.6 29.8 44.8
58 71.0 58.1 87.1

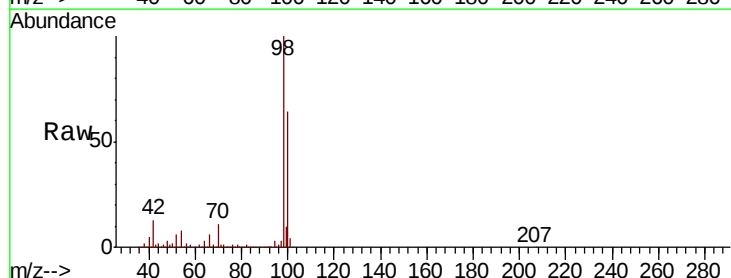


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

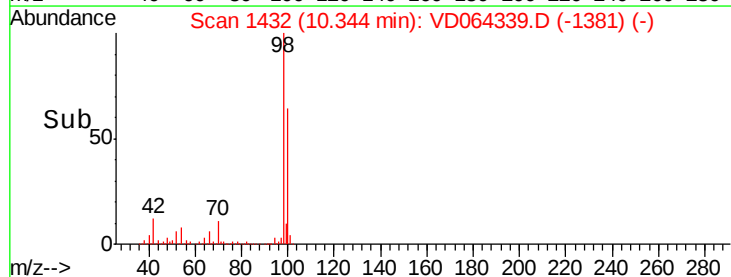
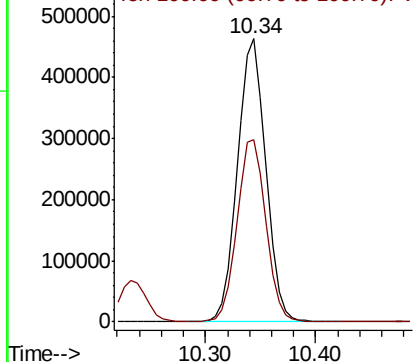


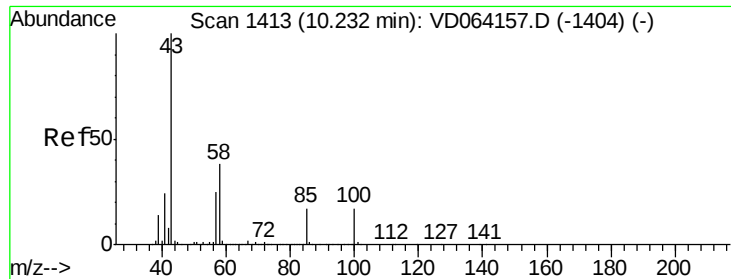
#50
Toluene-d8
Concen: 46.026 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion: 98 Resp: 839070
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8



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

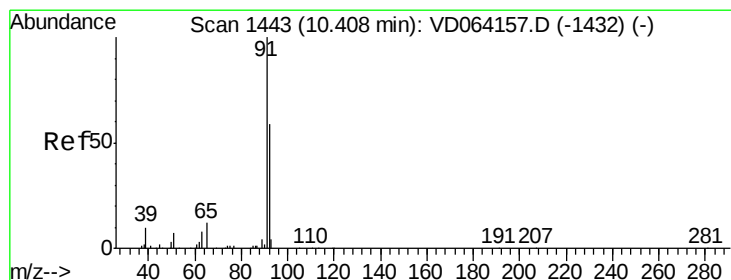
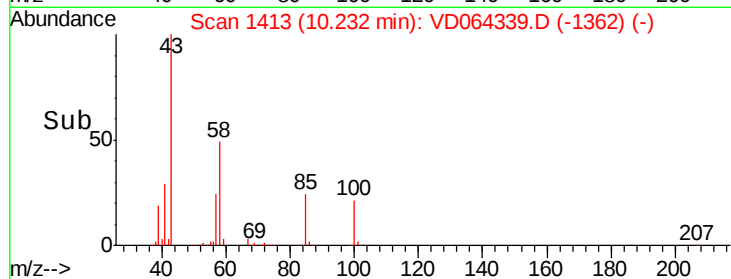
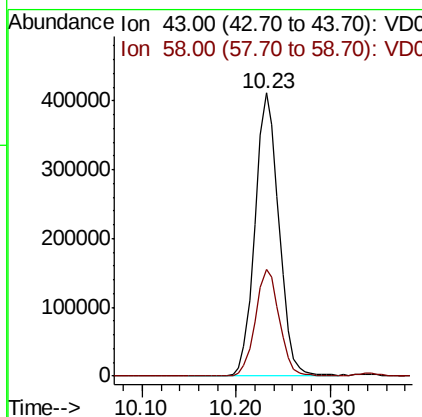
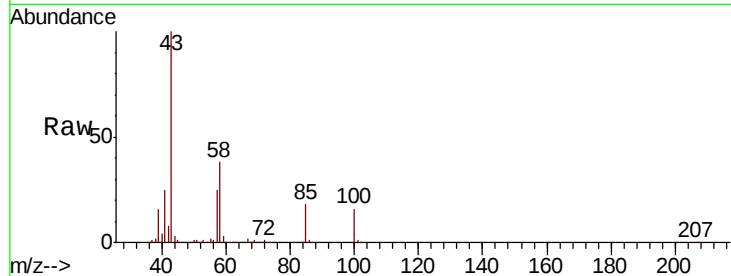




#51
4-Methyl-2-Pentanone
Concen: 223.411 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

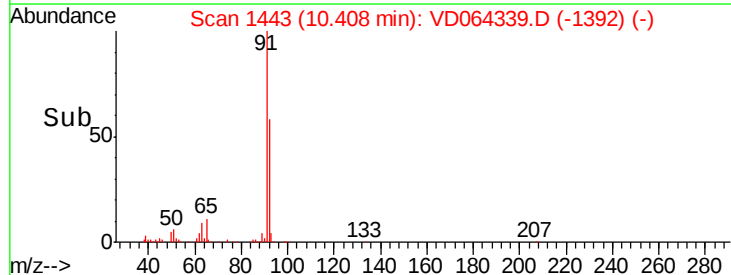
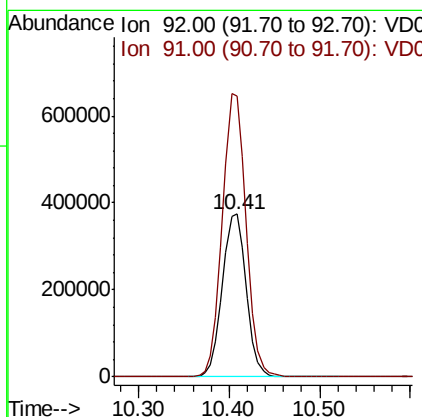
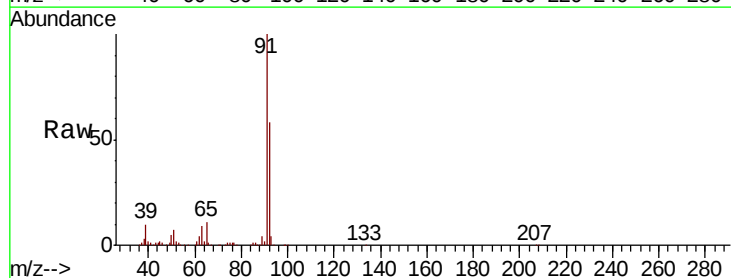
Instrument :
MSVOA_D
ClientSampled :

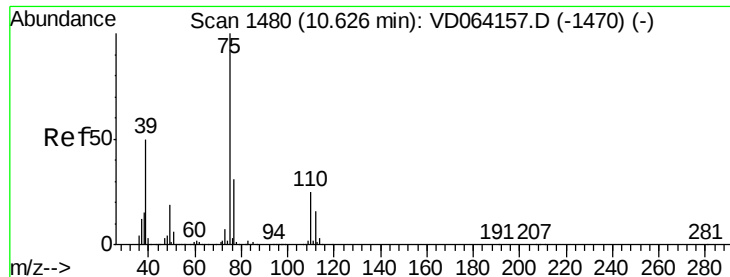
Tot Ion: 43 Resp: 723065
Ion Ratio Lower Upper
43 100
58 38.0 30.2 45.4



#52
Toluene
Concen: 49.232 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion: 92 Resp: 687449
Ion Ratio Lower Upper
92 100
91 172.7 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 46.293 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

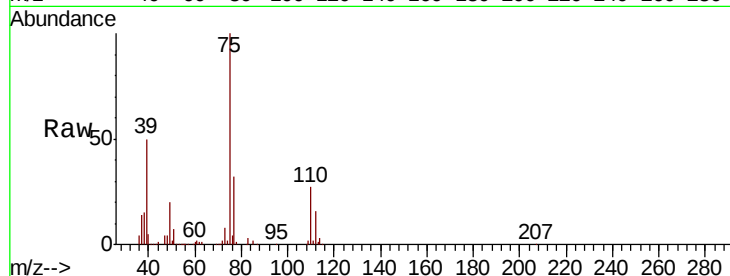
ClientSampleId :

Tot Ion: 75 Resp: 345674

Ion Ratio Lower Upper

75 100

77 31.8 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

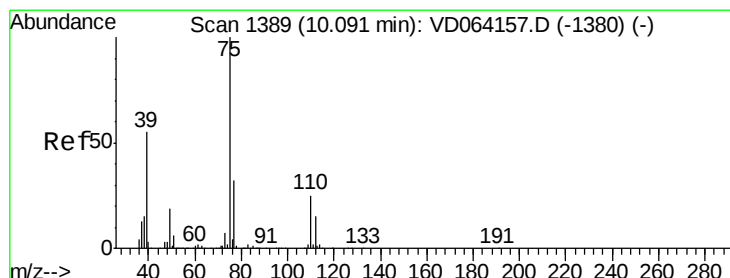
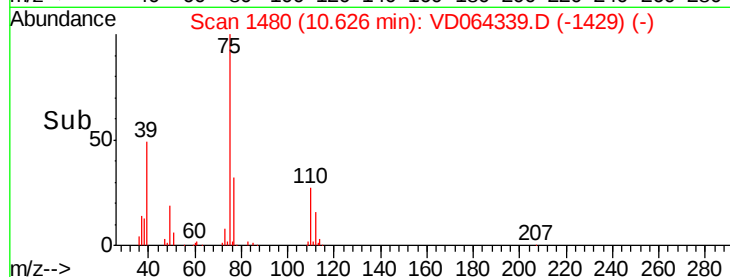
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 46.907 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

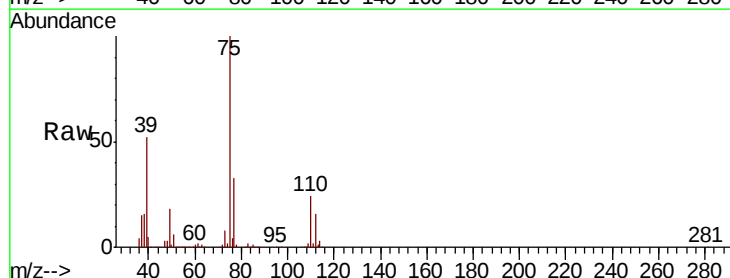
Tgt Ion: 75 Resp: 408726

Ion Ratio Lower Upper

75 100

77 32.7 25.2 37.8

39 52.2 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

10.09

300000

250000

200000

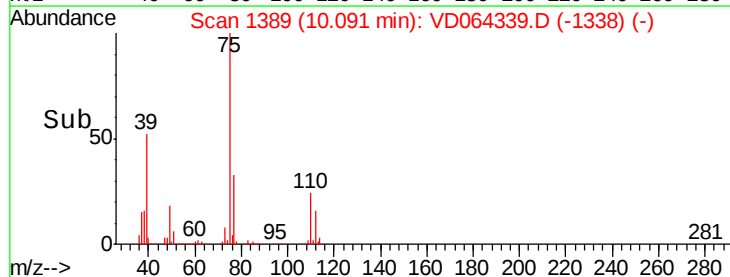
150000

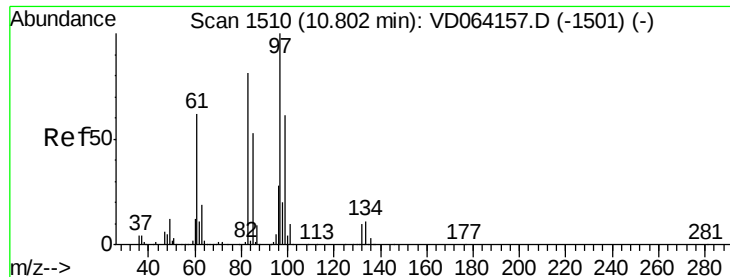
100000

50000

0

Time-->

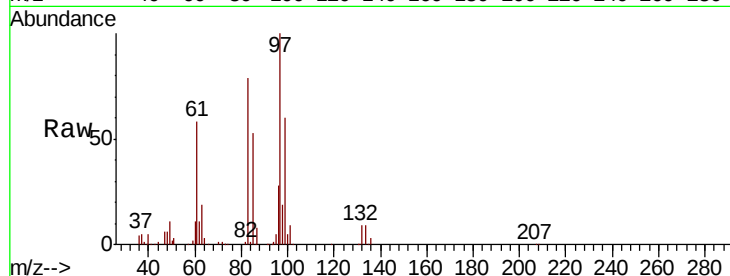




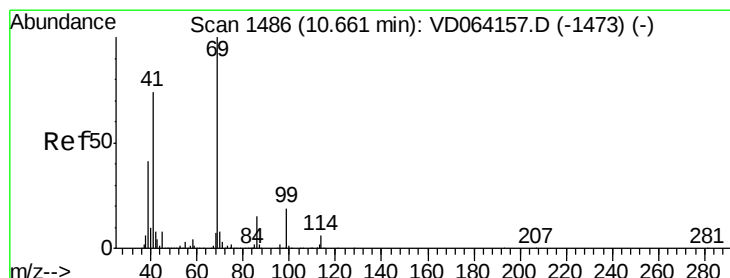
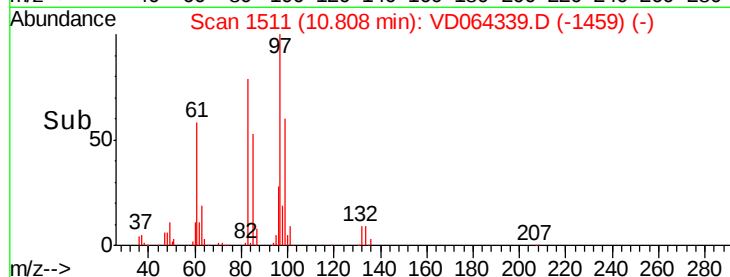
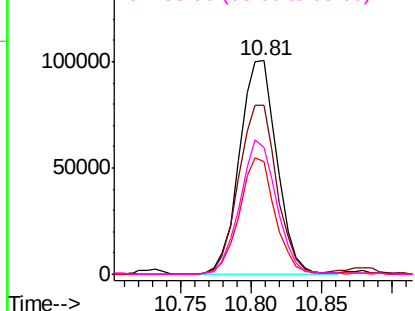
#55
 1,1,2-Trichloroethane
 Concen: 49.459 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064339.D
 Acq: 22 Nov 2019 11:00

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	185653
Ion	Ratio	Lower	Upper
97	100		
83	79.4	65.1	97.7
85	53.0	42.0	63.0
99	59.7	48.9	73.3

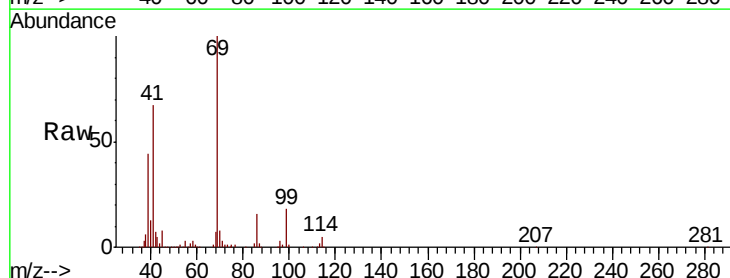


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

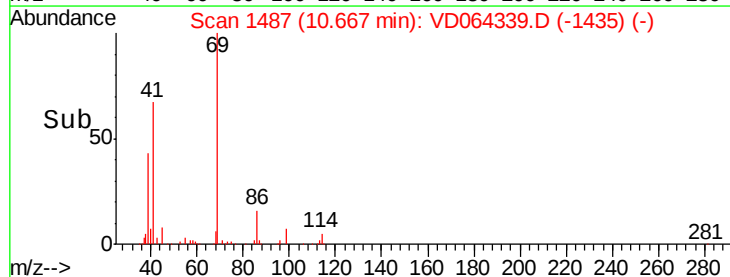
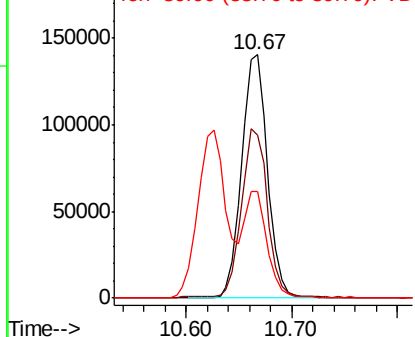


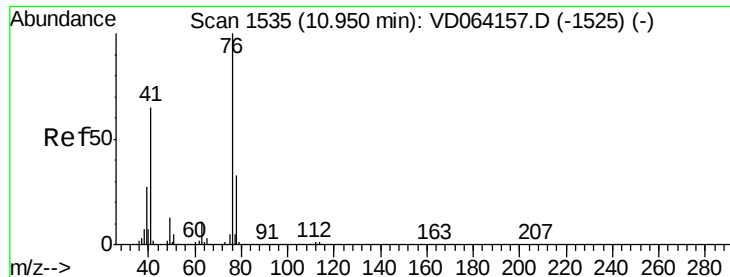
#56
 Ethyl methacrylate
 Concen: 45.404 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064339.D
 Acq: 22 Nov 2019 11:00

Tgt Ion:	69	Resp:	238412
Ion	Ratio	Lower	Upper
69	100		
41	68.7	57.9	86.9
39	38.0	29.0	43.4



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





#57

1,3-Dichloropropane

Concen: 47.671 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

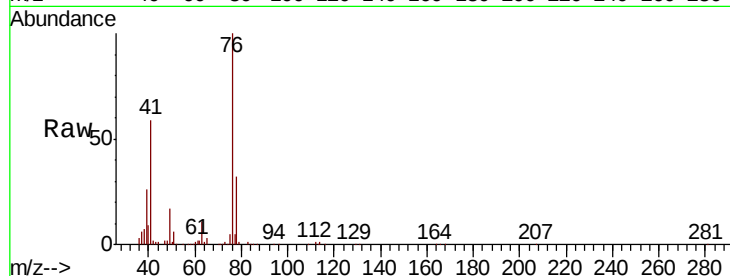
ClientSampleId :

Tot Ion: 76 Resp: 312074

Ion Ratio Lower Upper

76 100

78 33.2 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

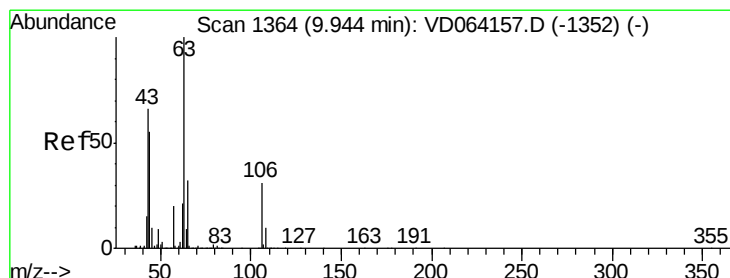
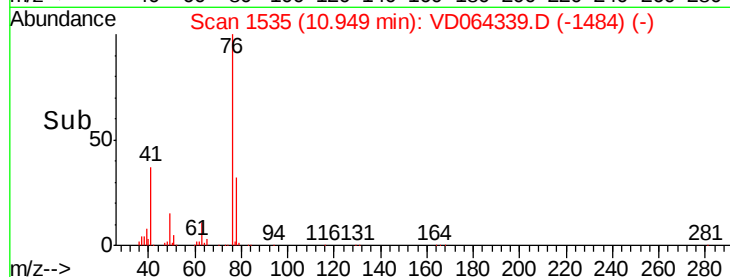
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 229.681 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064339.D

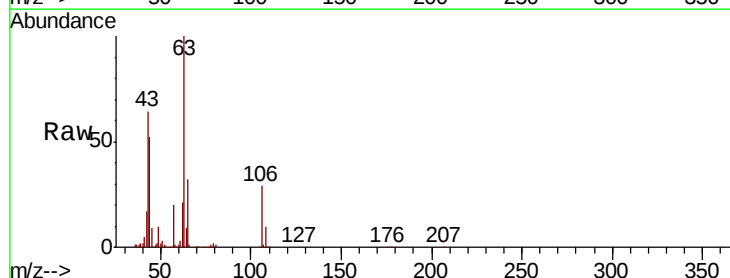
Acq: 22 Nov 2019 11:00

Tgt Ion: 63 Resp: 488536

Ion Ratio Lower Upper

63 100

106 30.5 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

300000

250000

200000

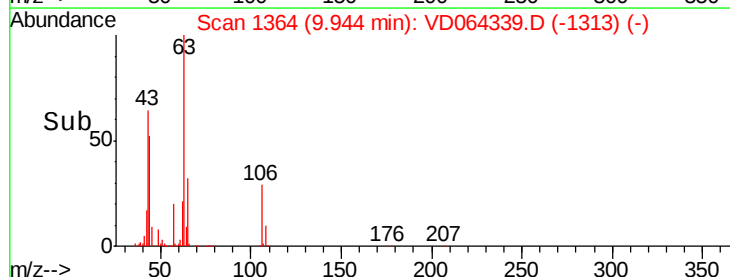
150000

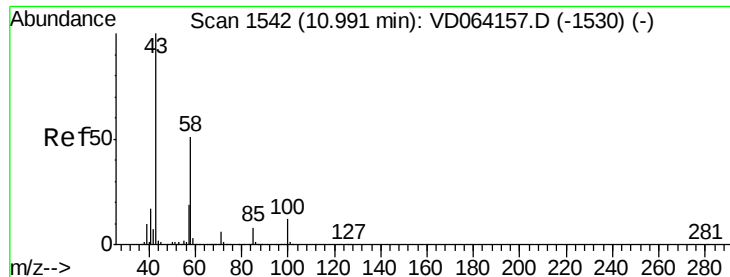
100000

50000

0

Time-->

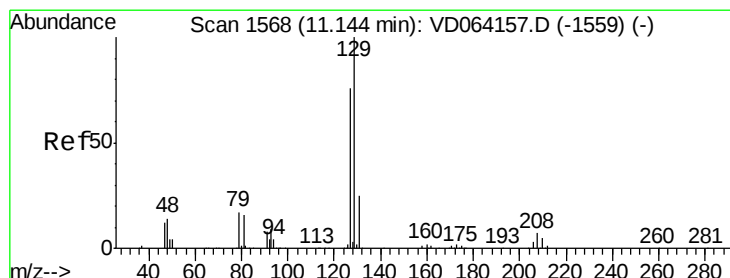
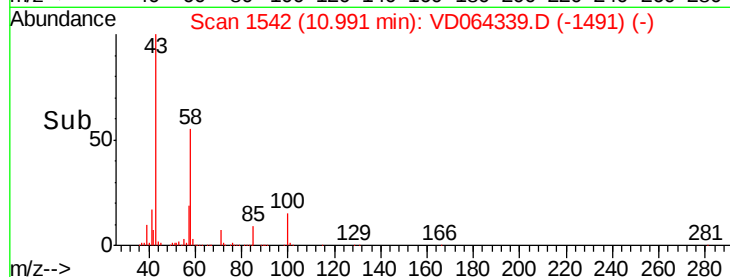
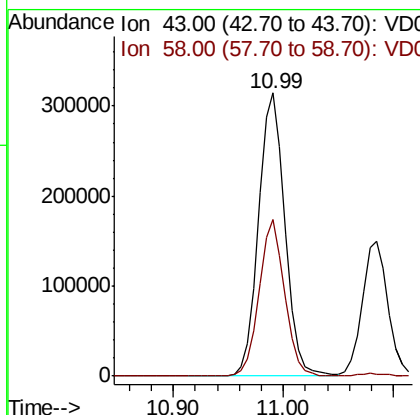
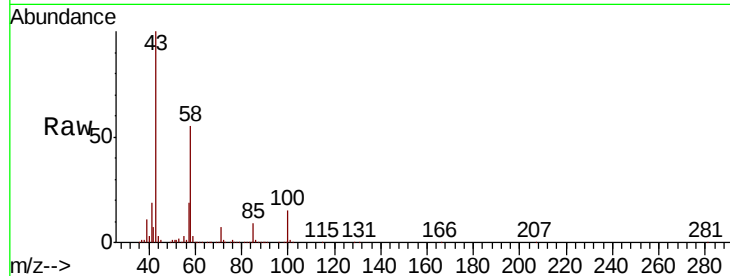




#59
2-Hexanone
Concen: 229.477 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

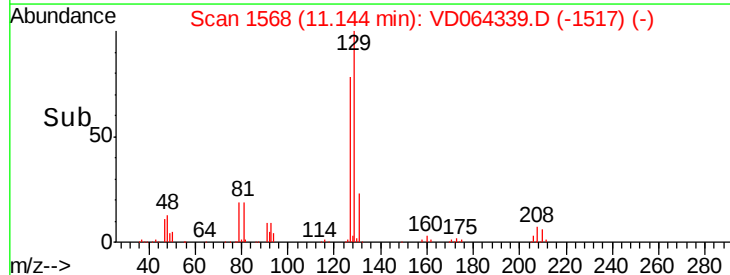
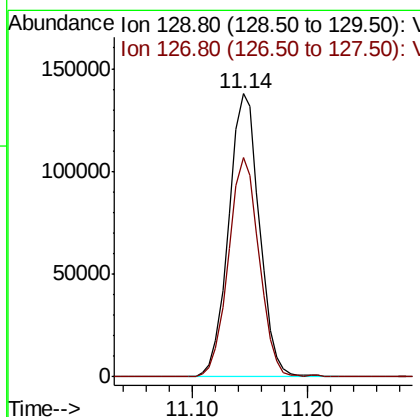
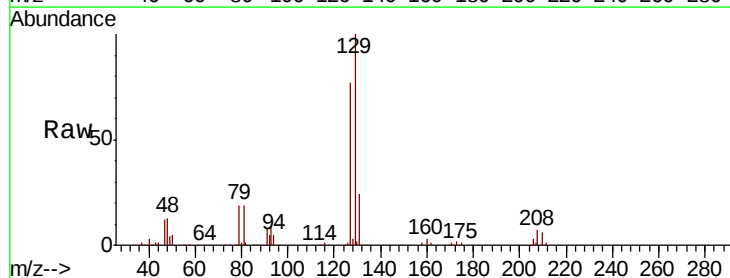
Instrument :
MSVOA_D
ClientSampleId :

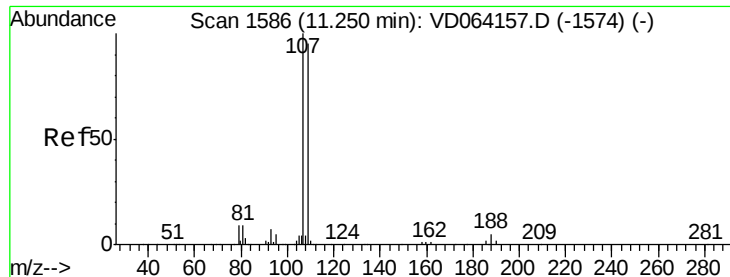
Tot Ion: 43 Resp: 528387
Ion Ratio Lower Upper
43 100
58 53.3 25.9 77.7



#60
Dibromochloromethane
Concen: 48.521 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion: 129 Resp: 254141
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8

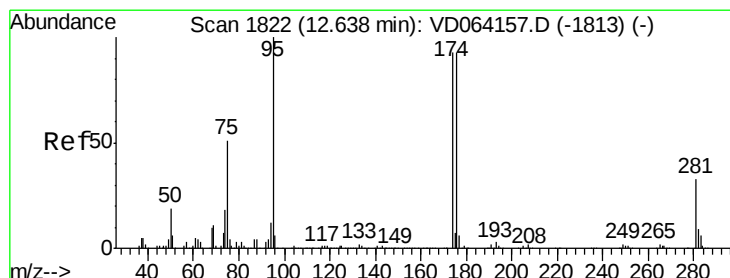
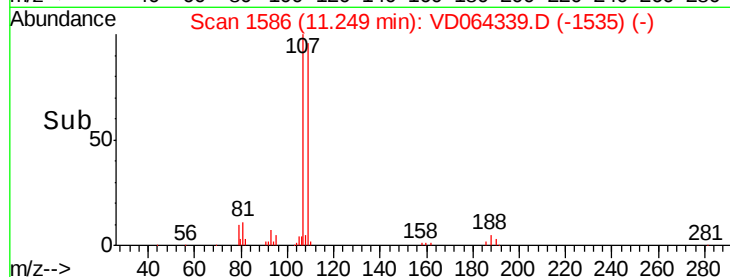
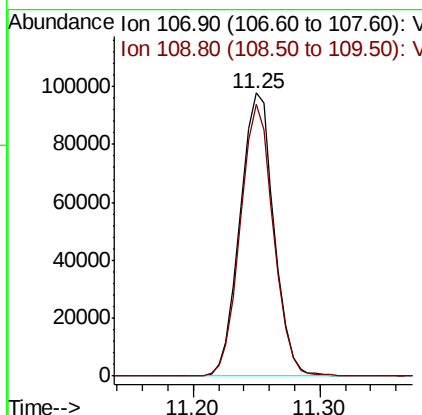
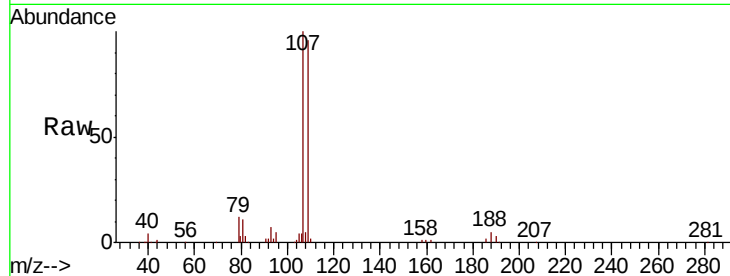




#61
 1,2-Dibromoethane
 Concen: 48.184 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064339.D
 Acq: 22 Nov 2019 11:00

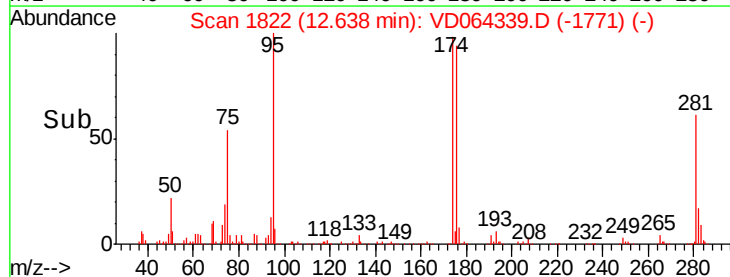
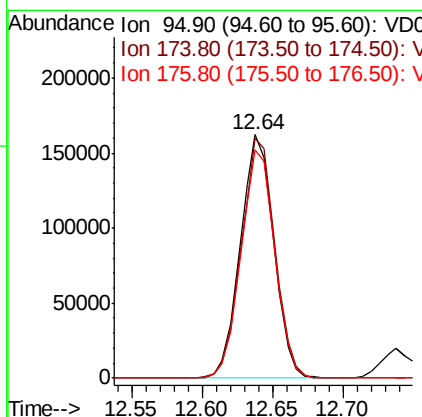
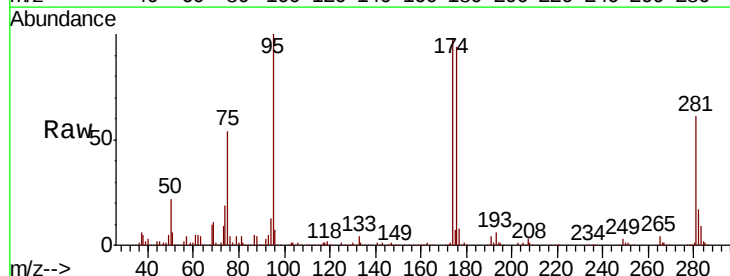
Instrument :
 MSVOA_D
 ClientSampleId :

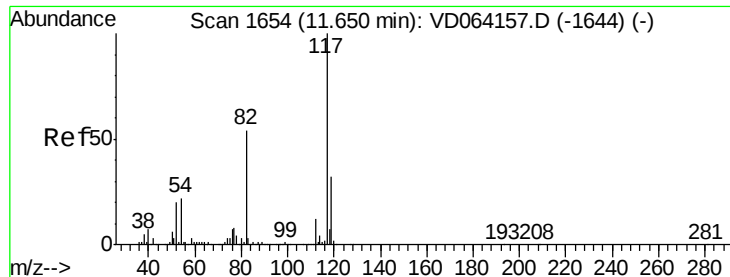
Tot Ion: 107 Resp: 181159
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 42.449 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064339.D
 Acq: 22 Nov 2019 11:00

Tgt Ion: 95 Resp: 267998
 Ion Ratio Lower Upper
 95 100
 174 99.2 0.0 183.6
 176 95.0 0.0 180.2

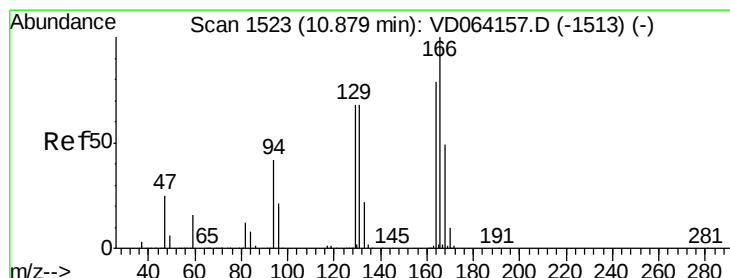
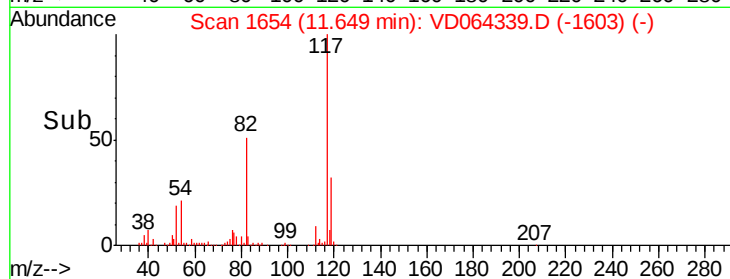
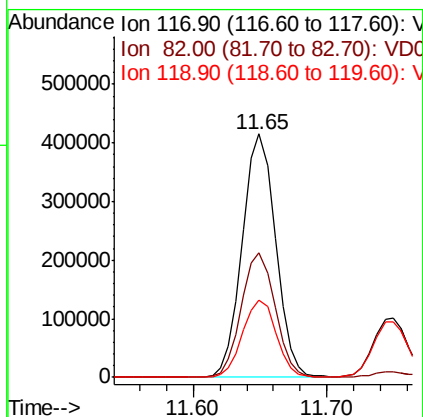
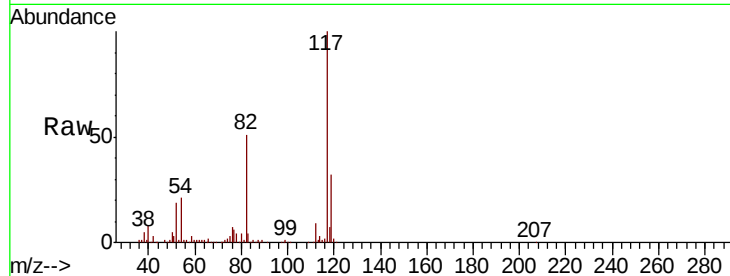




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

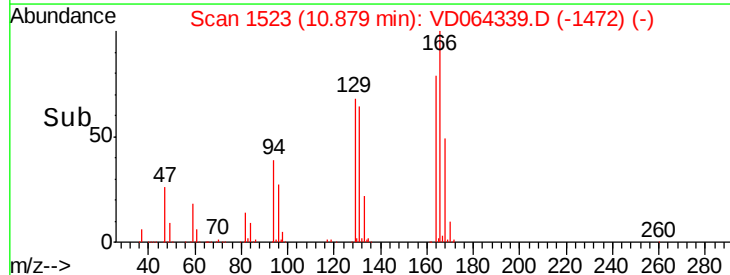
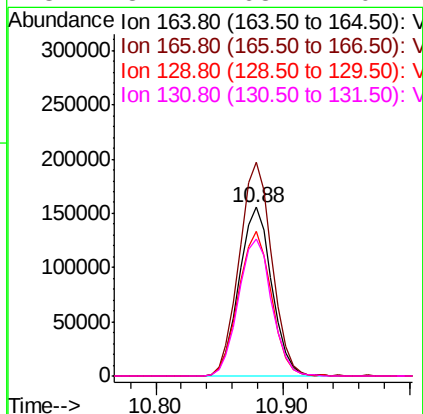
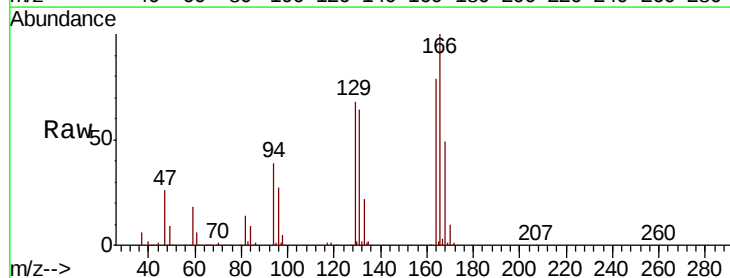
Instrument :
MSVOA_D
ClientSampled :

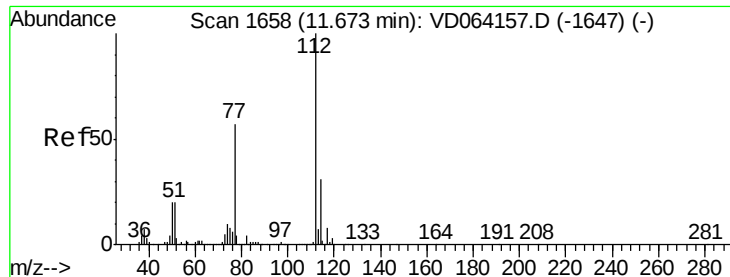
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	42.8	64.2
119	31.8	25.6	38.4



#64
Tetrachloroethene
Concen: 50.437 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	100.8	151.2
129	85.9	68.7	103.1
131	81.2	68.1	102.1

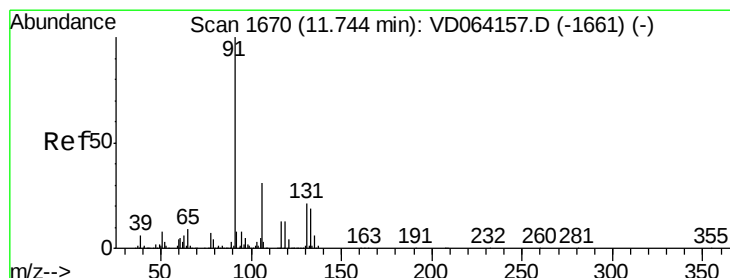
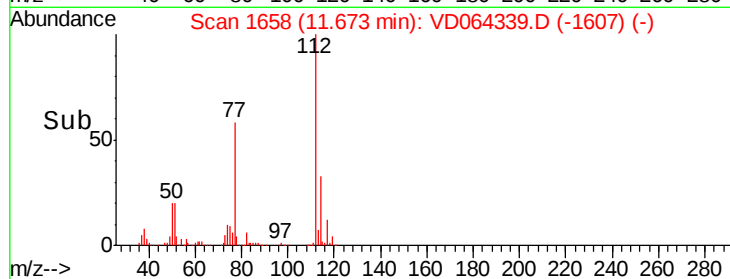
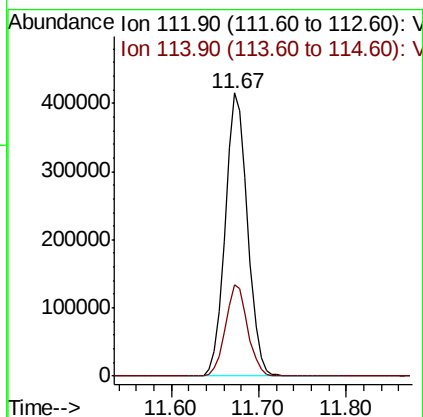
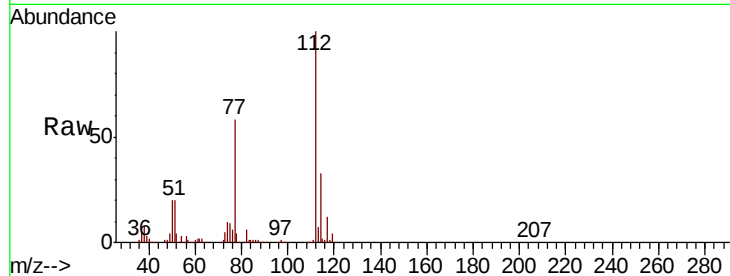




#65
Chlorobenzene
Concen: 49.524 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

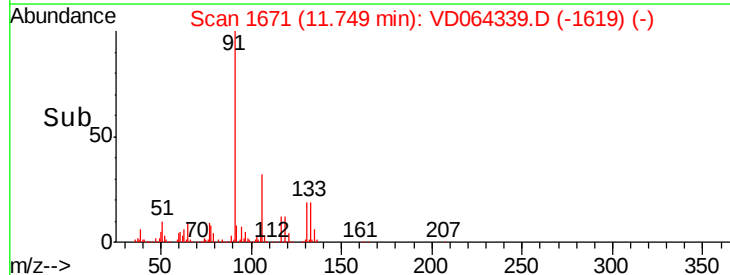
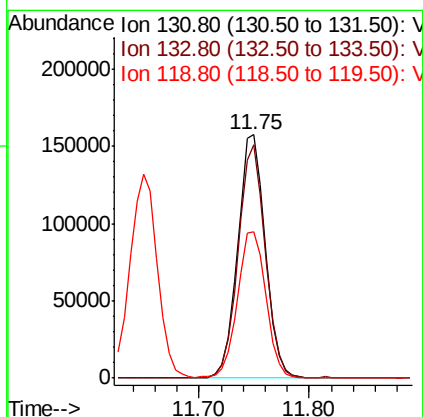
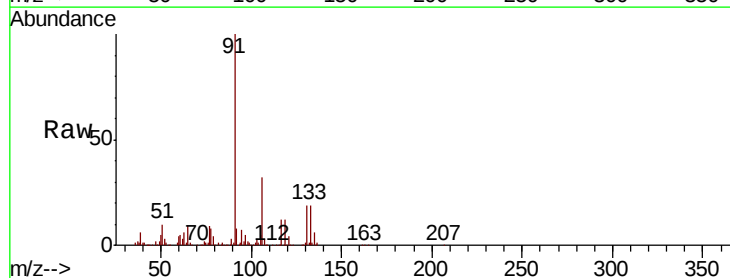
Instrument :
MSVOA_D
ClientSampleId :

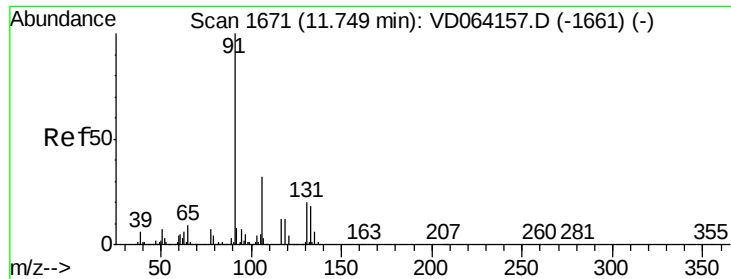
Tot Ion:112 Resp: 724648
Ion Ratio Lower Upper
112 100
114 32.5 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 49.668 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion:131 Resp: 276343
Ion Ratio Lower Upper
131 100
133 94.7 47.3 141.9
119 62.6 31.1 93.3

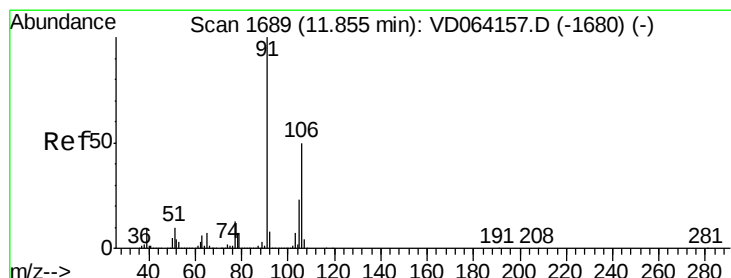
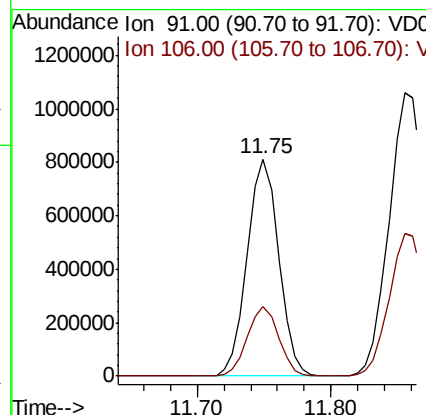
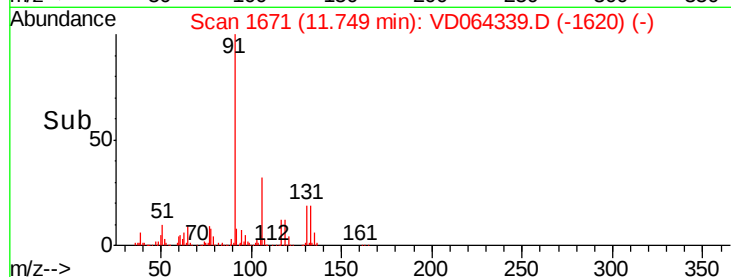
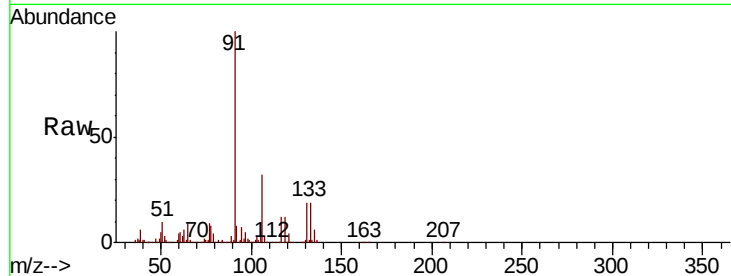




#67
Ethyl Benzene
Concen: 50.191 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

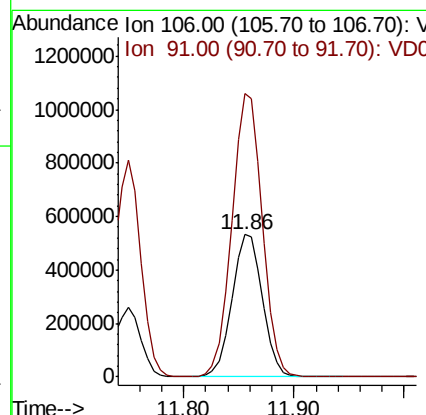
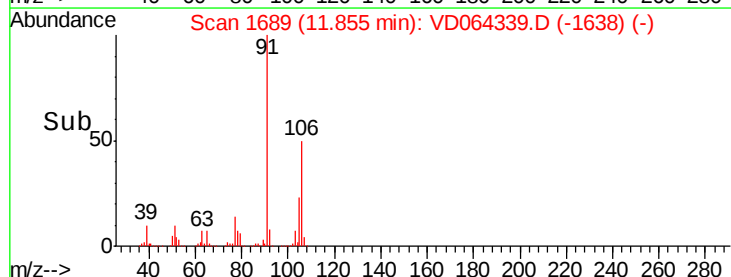
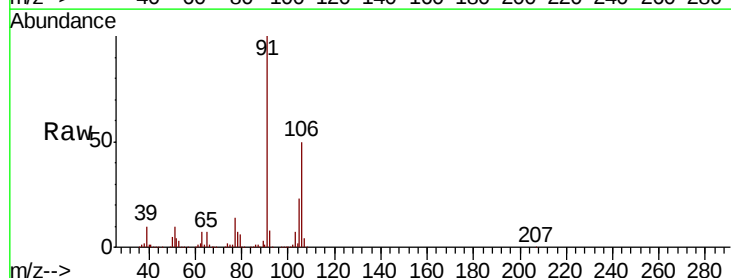
Instrument :
MSVOA_D
ClientSampleId :

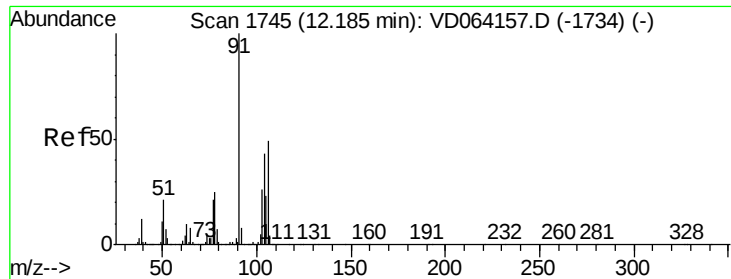
Tot Ion: 91 Resp: 1328423
Ion Ratio Lower Upper
91 100
106 32.1 25.5 38.3



#68
m/p-Xylenes
Concen: 101.083 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion: 106 Resp: 1025483
Ion Ratio Lower Upper
106 100
91 199.1 160.3 240.5

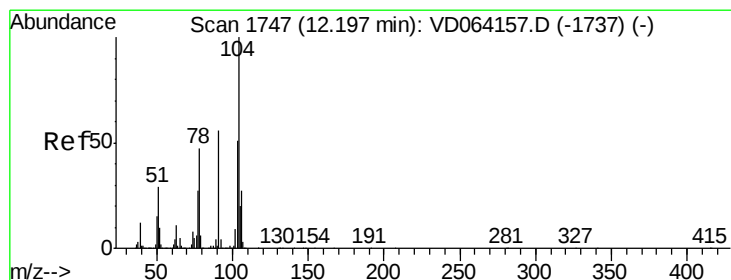
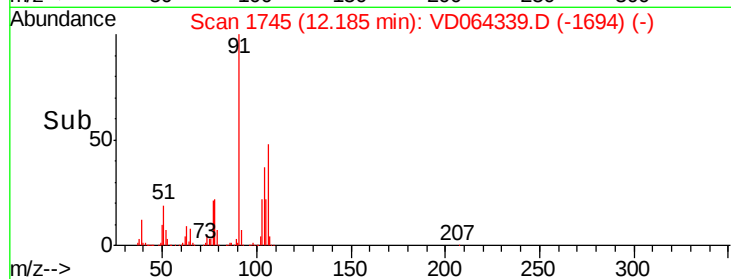
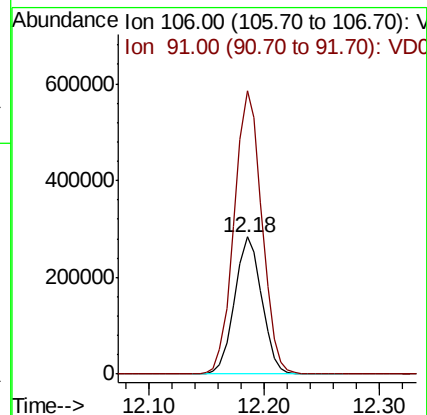
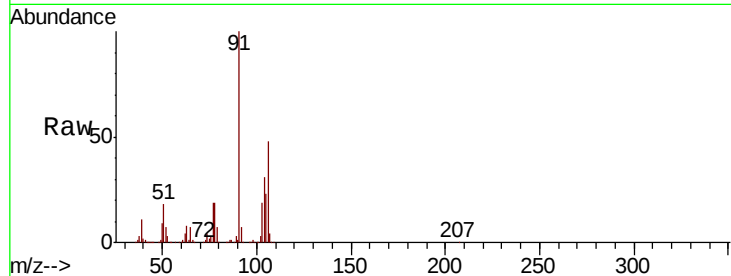




#69
o-Xylene
Concen: 49.258 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

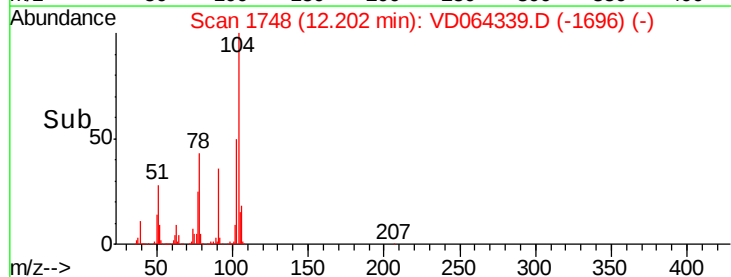
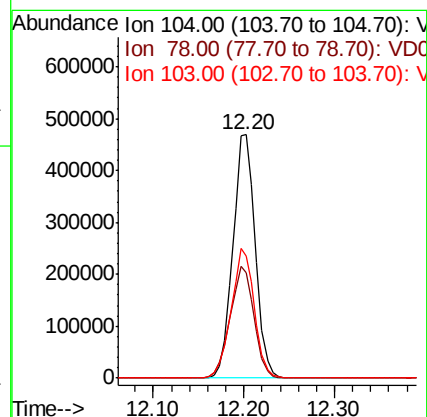
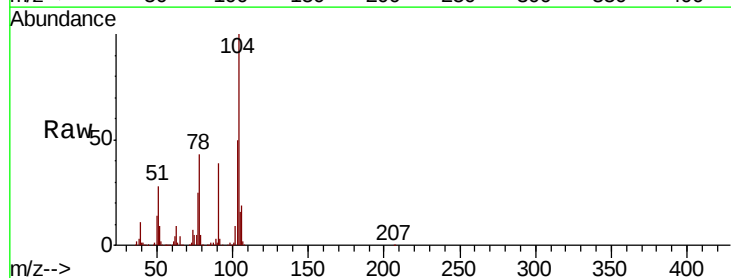
Instrument :
MSVOA_D
ClientSampleId :

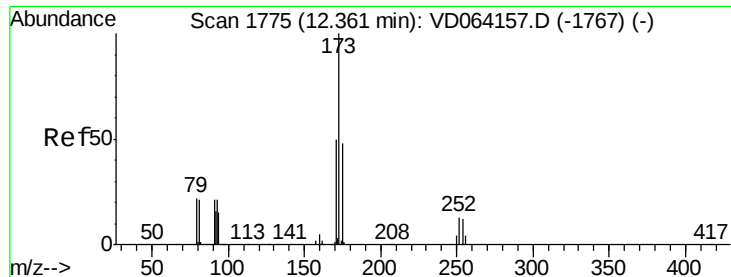
Tot Ion:106 Resp: 463467
Ion Ratio Lower Upper
106 100
91 210.3 105.1 315.3



#70
Styrene
Concen: 49.154 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion:104 Resp: 807290
Ion Ratio Lower Upper
104 100
78 48.4 39.9 59.9
103 54.6 43.4 65.0

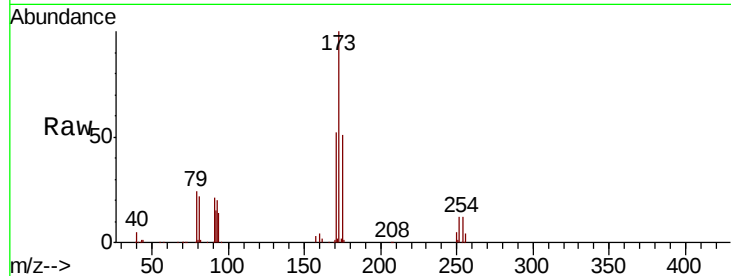




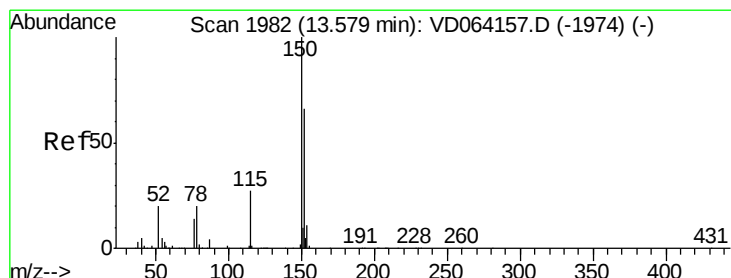
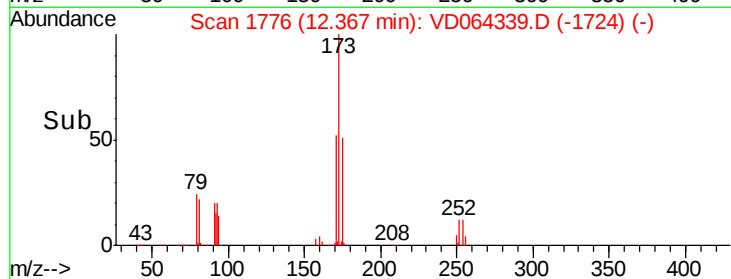
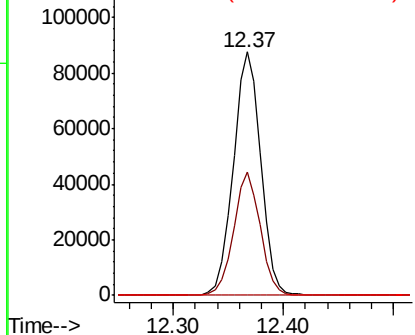
#71
Bromoform
Concen: 48.080 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 152239
Ion Ratio Lower Upper
173 100
175 49.0 24.1 72.3
254 0.0 0.2 0.2#

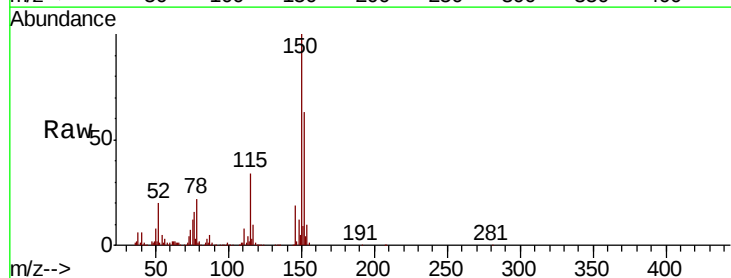


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

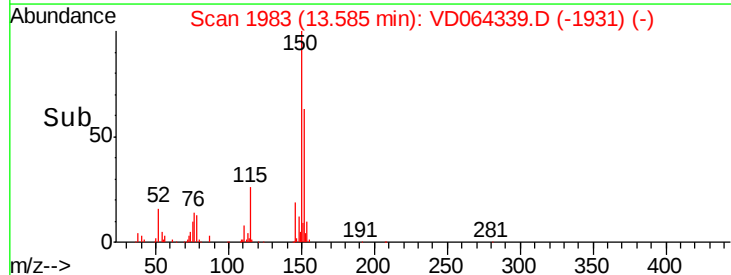
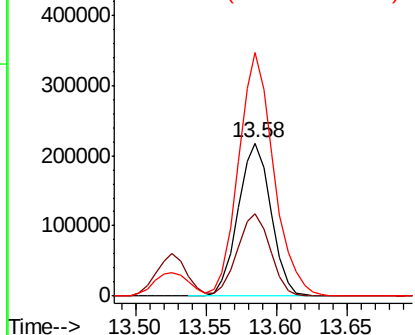


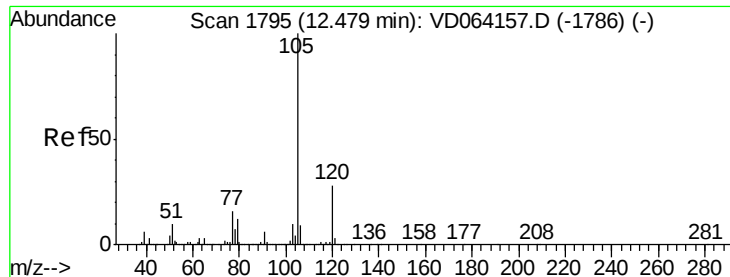
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion:152 Resp: 354124
Ion Ratio Lower Upper
152 100
115 53.6 27.4 82.2
150 170.3 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: 50.546 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

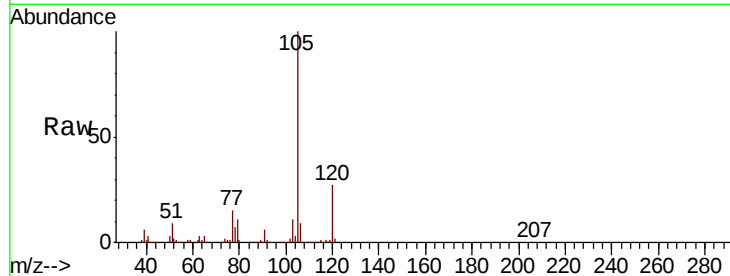
ClientSampleId :

Tot Ion:105 Resp: 1313820

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

12.48

800000

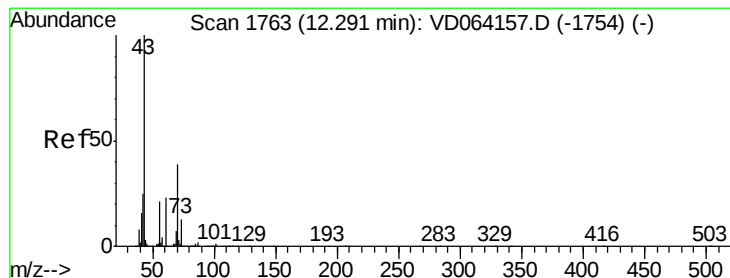
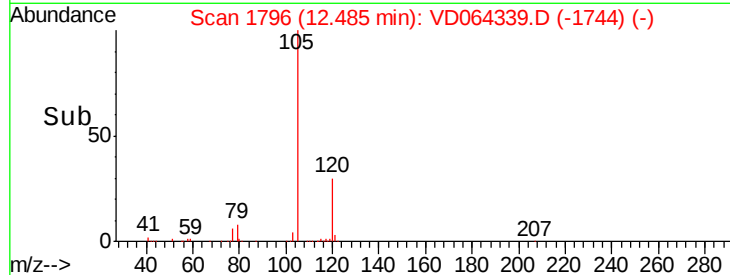
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 43.172 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Tgt Ion: 43 Resp: 264994

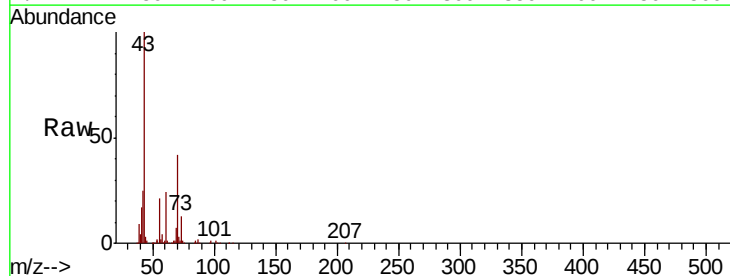
Ion Ratio Lower Upper

43 100

70 41.7 32.4 48.6

55 22.6 17.9 26.9

61 23.6 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

250000

200000

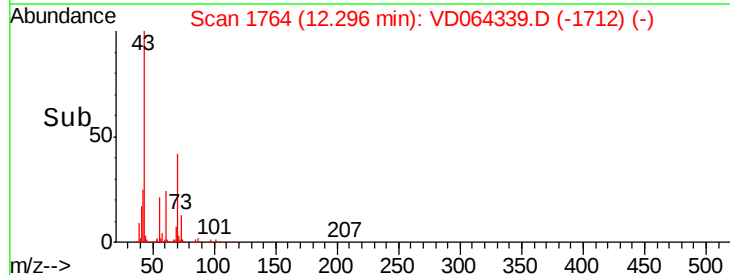
150000

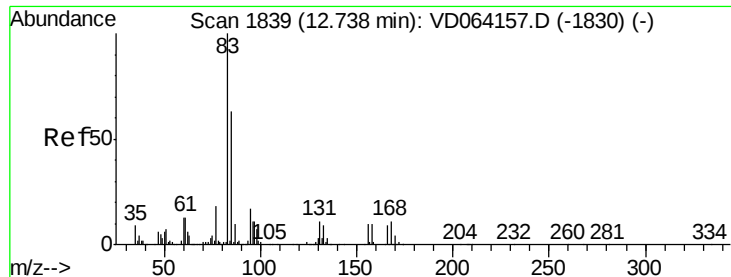
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.502 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

ClientSampled :

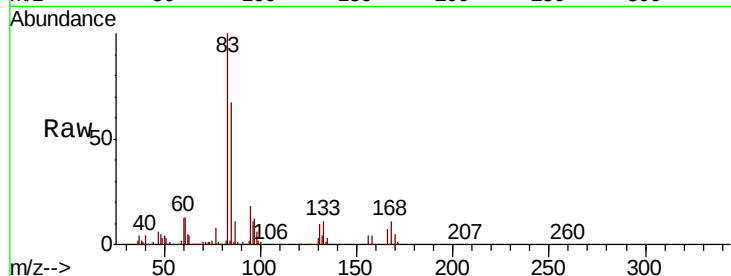
Tot Ion: 83 Resp: 186048

Ion Ratio Lower Upper

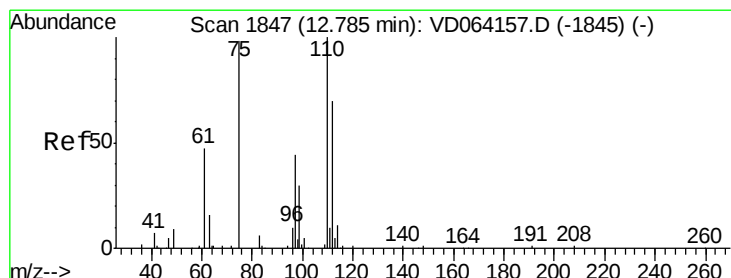
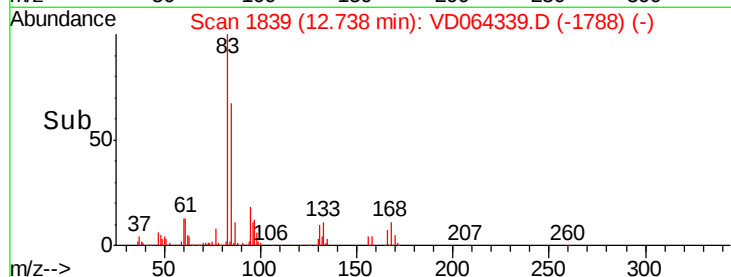
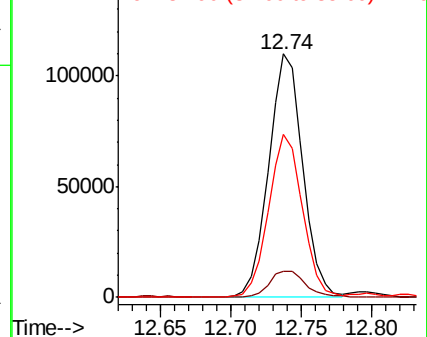
83 100

131 11.8 5.9 17.7

85 66.4 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: 88.684 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064339.D

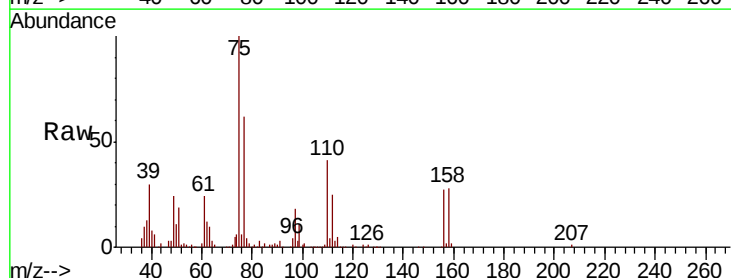
Acq: 22 Nov 2019 11:00

Tgt Ion: 75 Resp: 252959

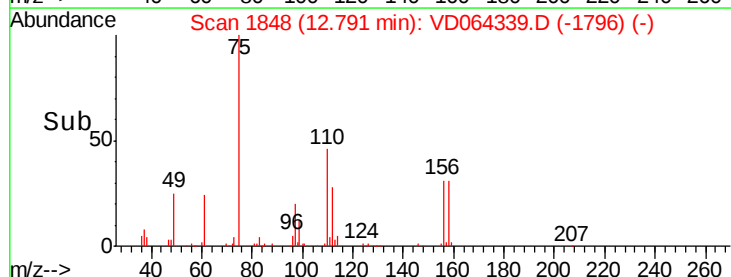
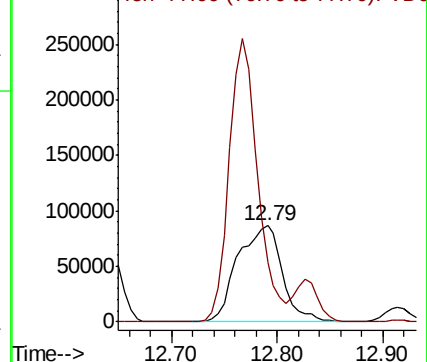
Ion Ratio Lower Upper

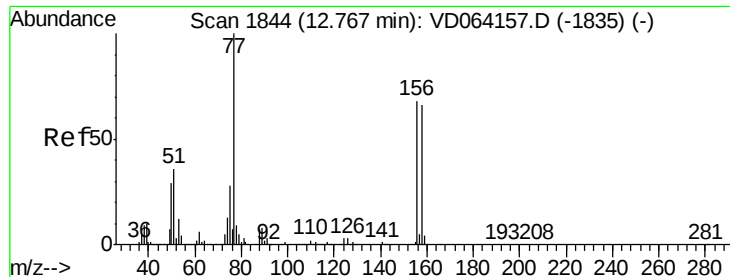
75 100

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: 48.374 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

ClientSampleId :

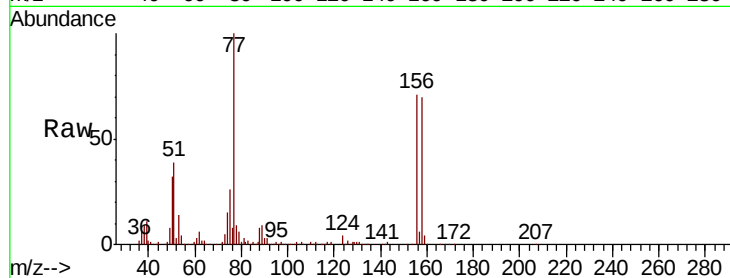
Tot Ion:156 Resp: 305470

Ion Ratio Lower Upper

156 100

77 156.6 81.2 243.4

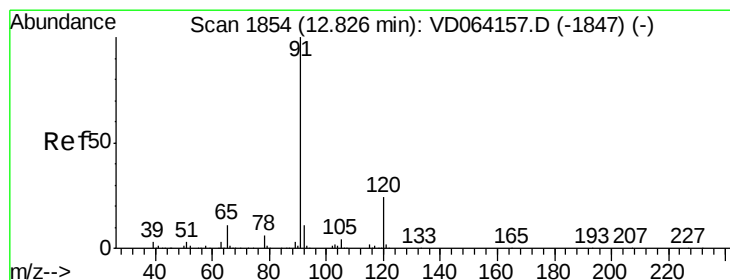
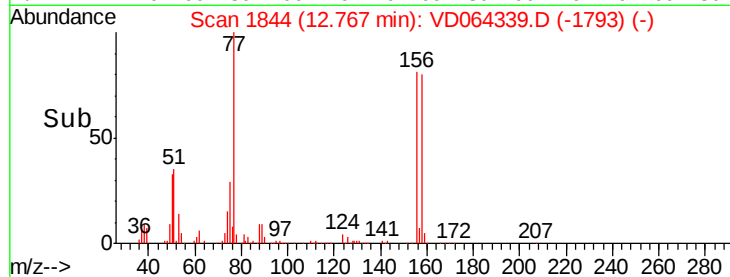
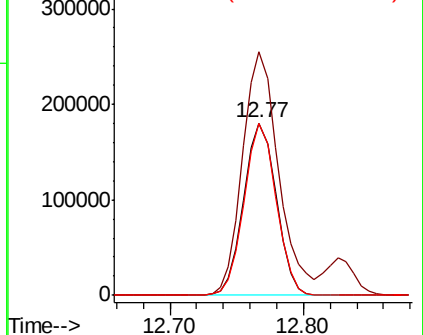
158 97.8 48.4 145.2



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: 50.493 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064339.D

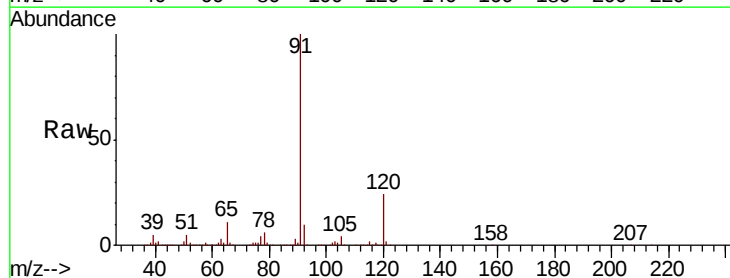
Acq: 22 Nov 2019 11:00

Tgt Ion: 91 Resp: 1499487

Ion Ratio Lower Upper

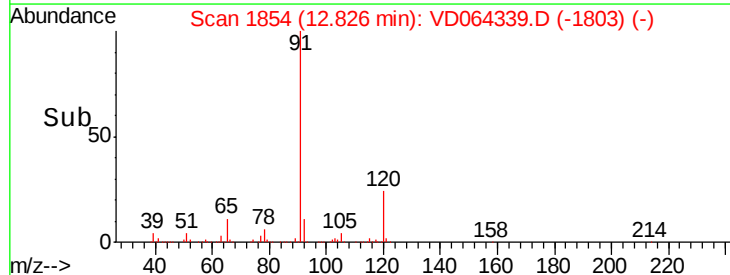
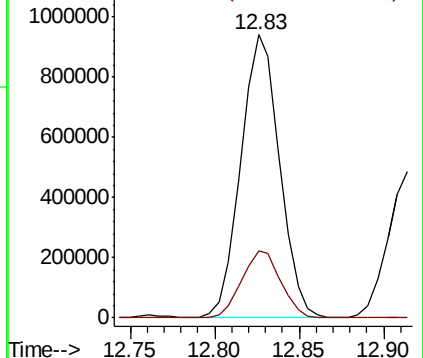
91 100

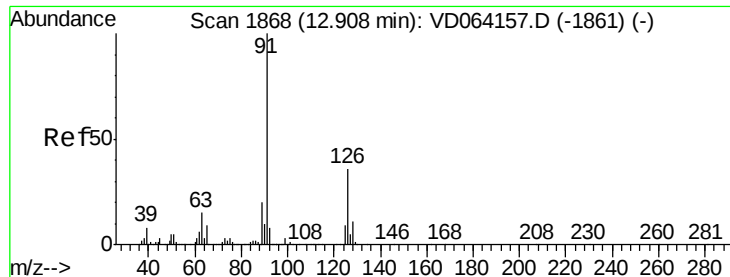
120 23.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

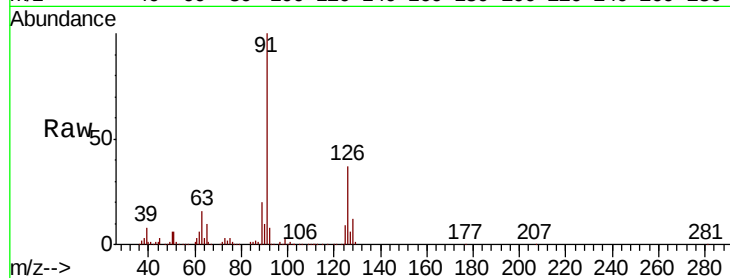




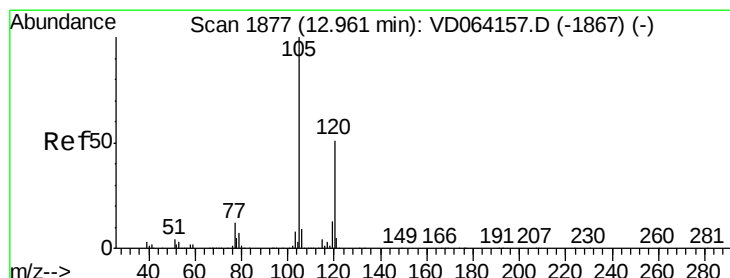
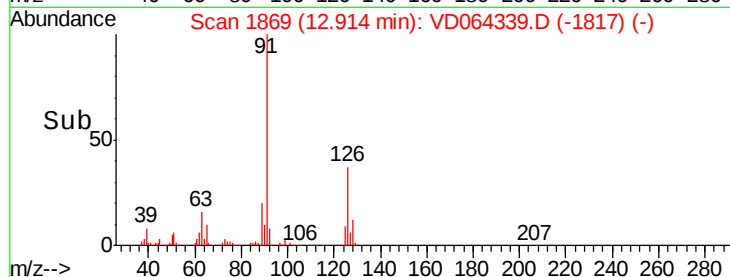
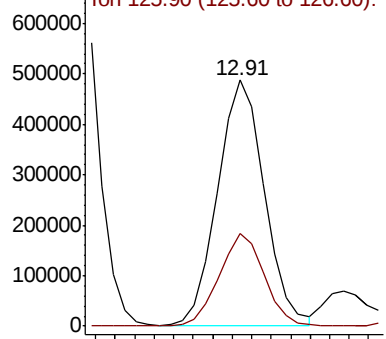
#79
2-Chlorotoluene
Concen: 48.336 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 810418
Ion Ratio Lower Upper
91 100
126 36.2 17.7 53.1

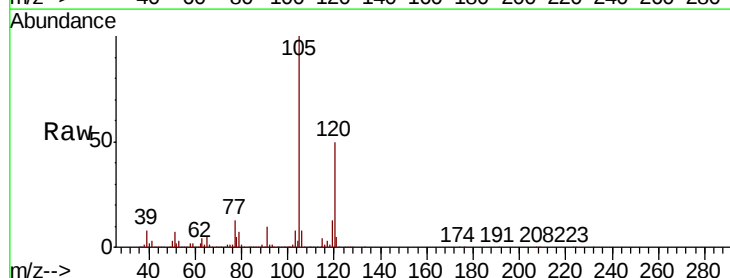


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.90 (125.60 to 126.60): V

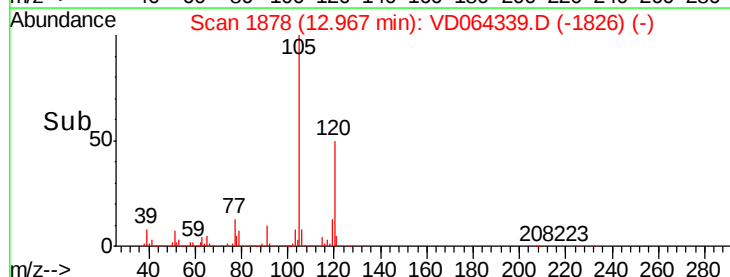
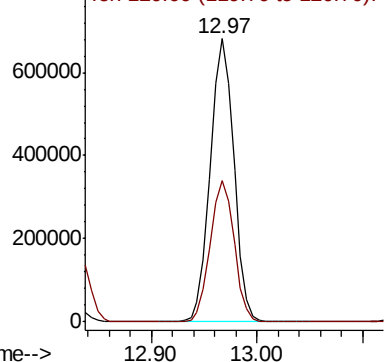


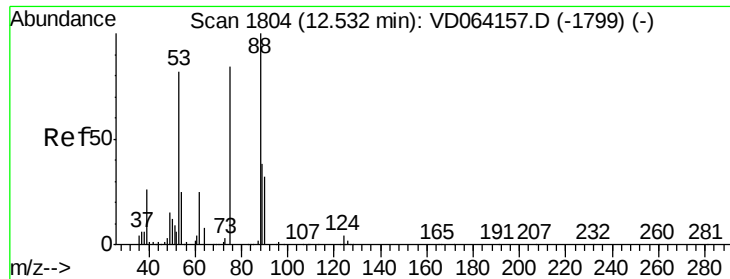
#80
1,3,5-Trimethylbenzene
Concen: 49.320 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion: 105 Resp: 1053376
Ion Ratio Lower Upper
105 100
120 50.7 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 42.684 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

ClientSampleId :

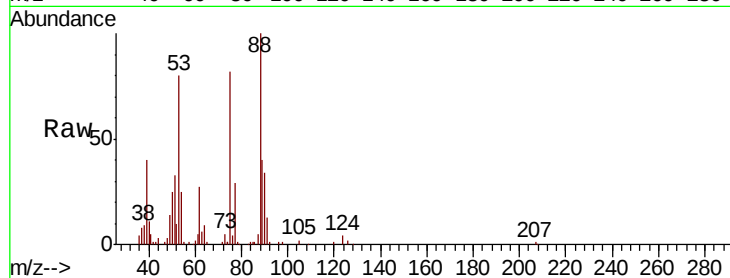
Tot Ion: 75 Resp: 61292

Ion Ratio Lower Upper

75 100

53 99.9 79.4 119.0

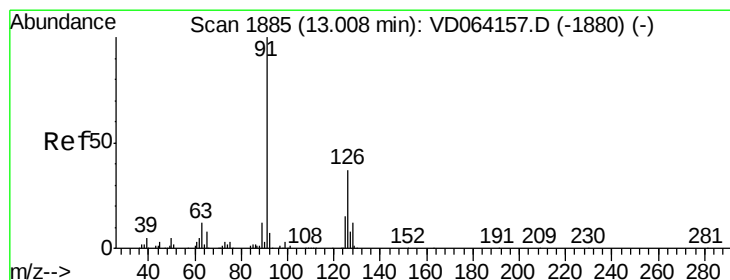
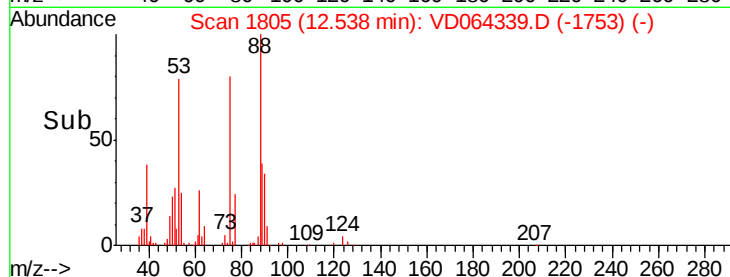
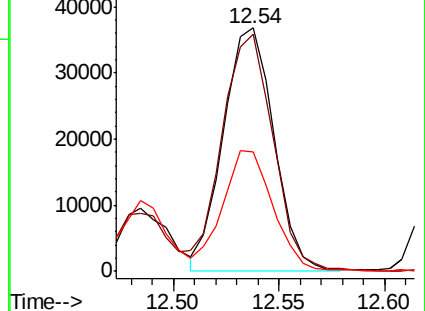
89 49.6 36.6 55.0



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: 48.243 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064339.D

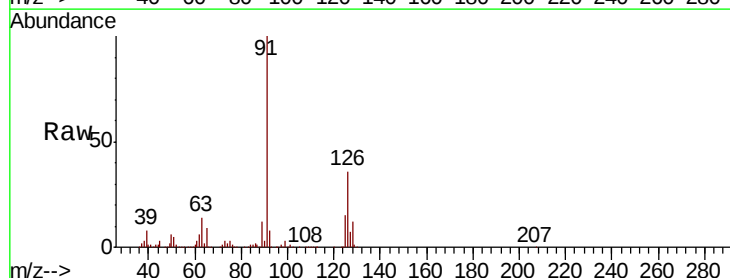
Acq: 22 Nov 2019 11:00

Tgt Ion: 91 Resp: 843656

Ion Ratio Lower Upper

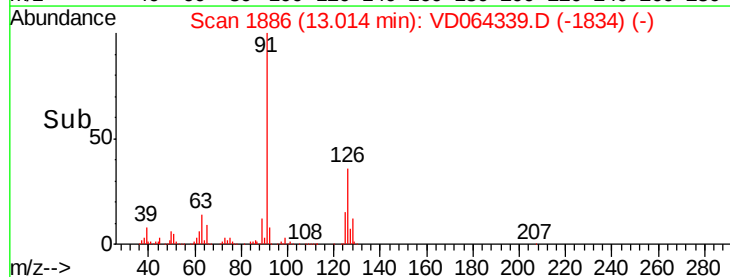
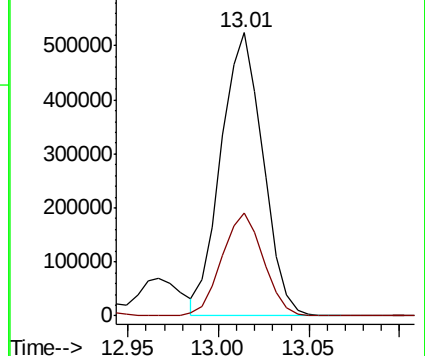
91 100

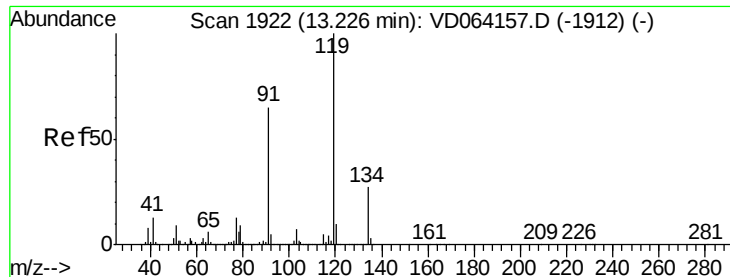
126 36.1 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

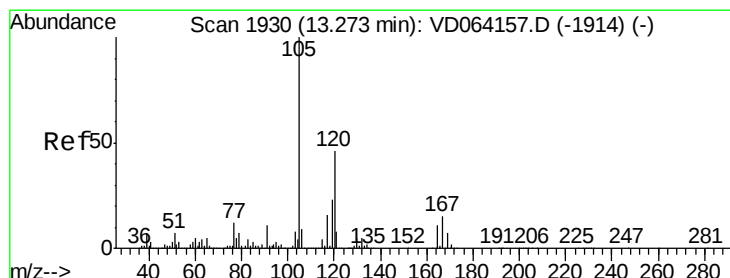
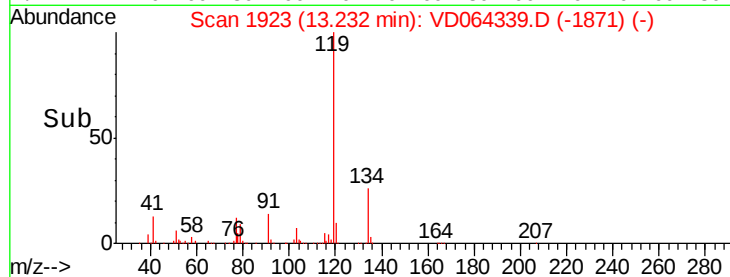
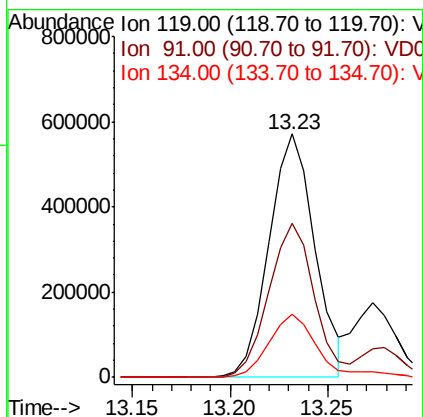
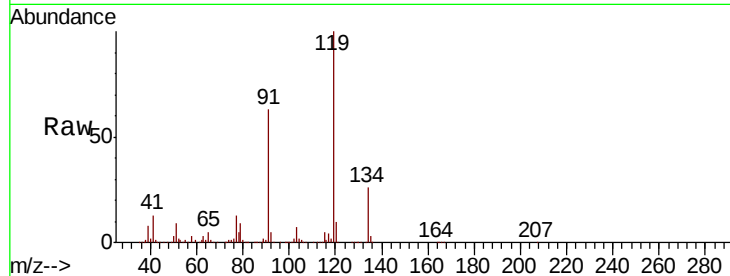




#83
tert-Butylbenzene
Concen: 49.256 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

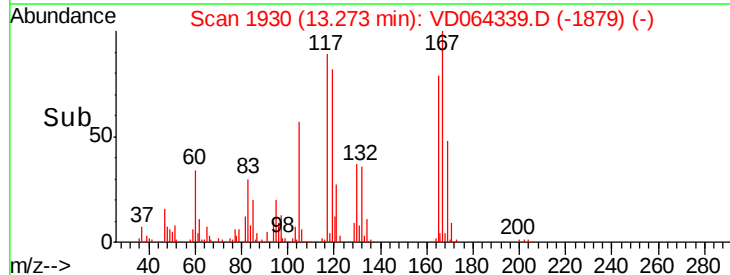
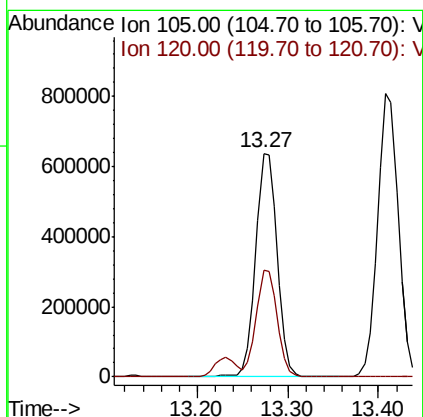
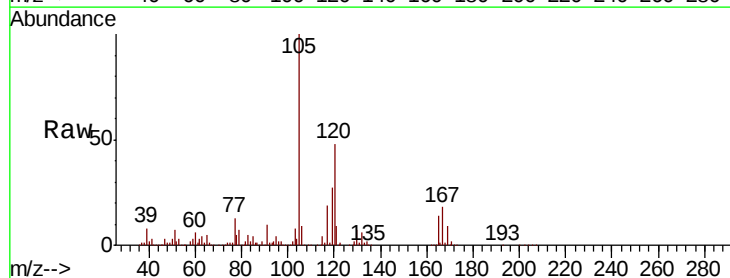
Instrument :
MSVOA_D
ClientSampleId :

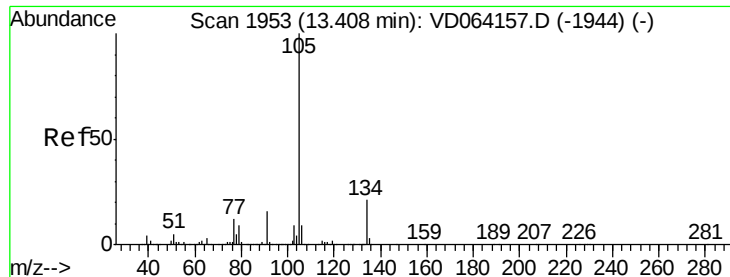
Tot Ion:119 Resp: 927648
Ion Ratio Lower Upper
119 100
91 63.3 31.8 95.4
134 27.9 13.7 41.0



#84
1,2,4-Trimethylbenzene
Concen: 49.553 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion:105 Resp: 1044885
Ion Ratio Lower Upper
105 100
120 46.7 23.3 69.8





#85

sec-Butylbenzene

Concen: 50.539 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

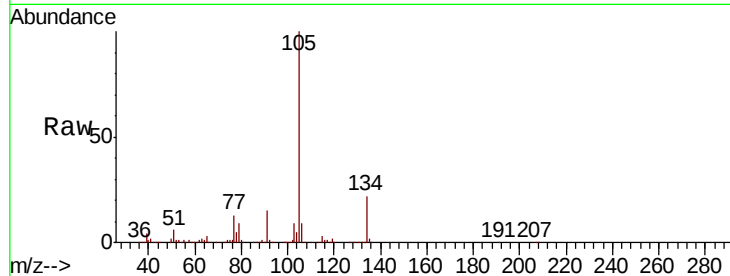
ClientSampleId :

Tot Ion:105 Resp: 1278370

Ion Ratio Lower Upper

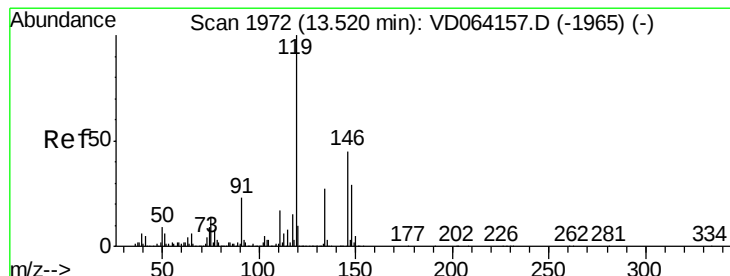
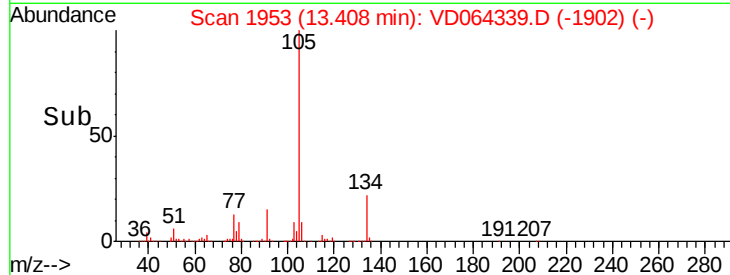
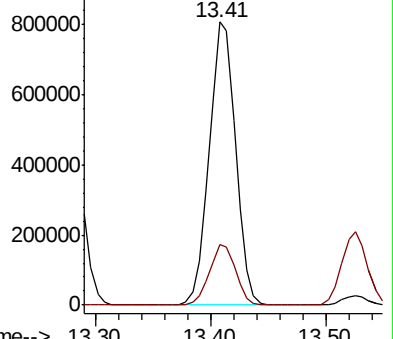
105 100

134 21.5 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.563 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

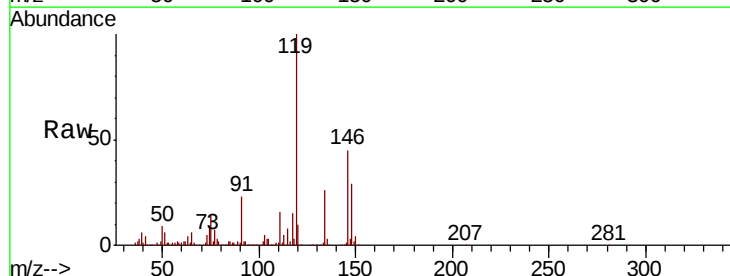
Tgt Ion:119 Resp: 1215927

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

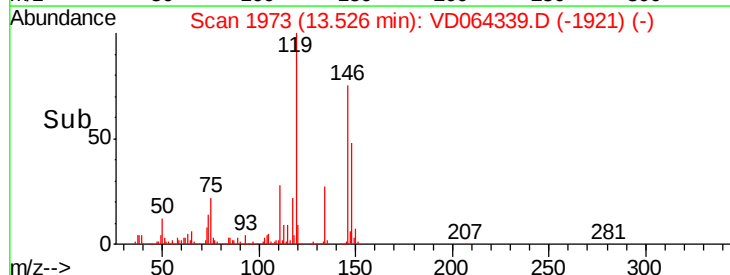
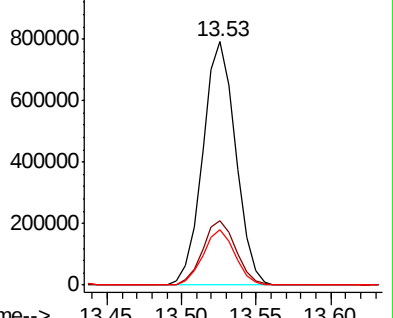
91 22.1 11.5 34.4

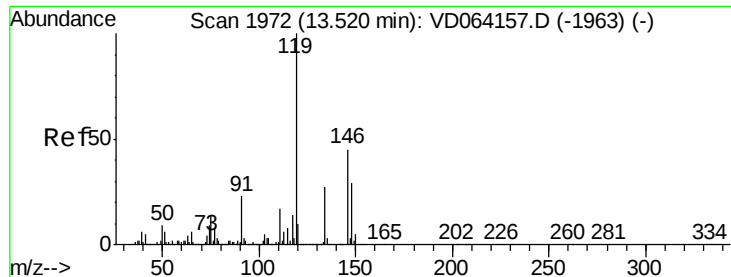


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

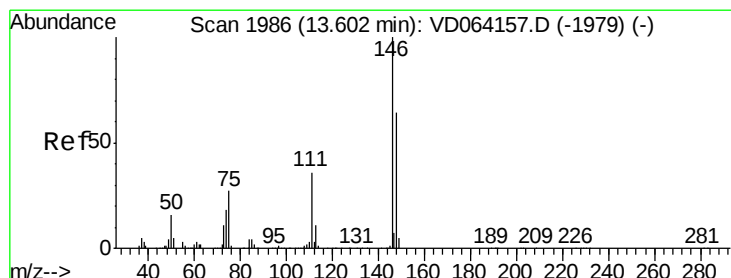
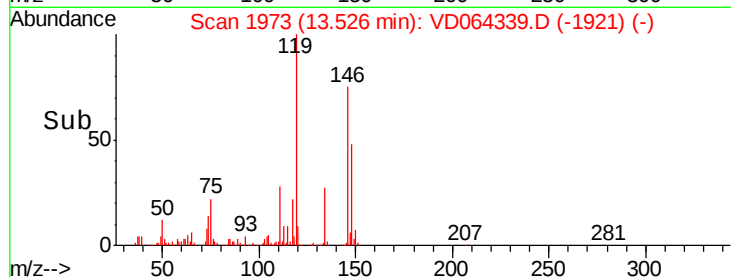
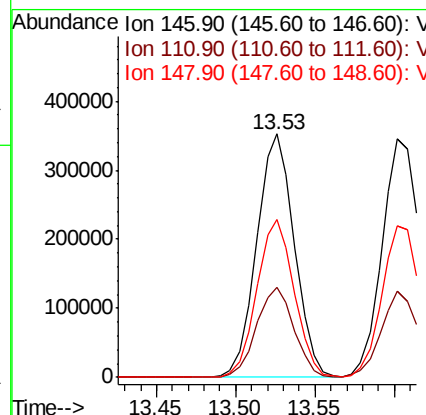
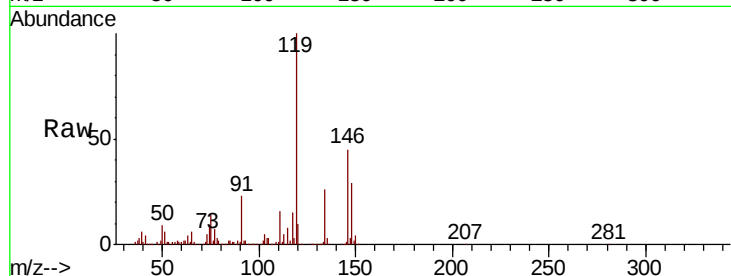




#87
 1,3-Dichlorobenzene
 Concen: 49.712 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064339.D
 Acq: 22 Nov 2019 11:00

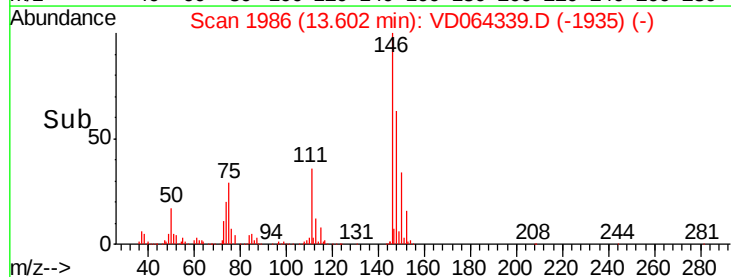
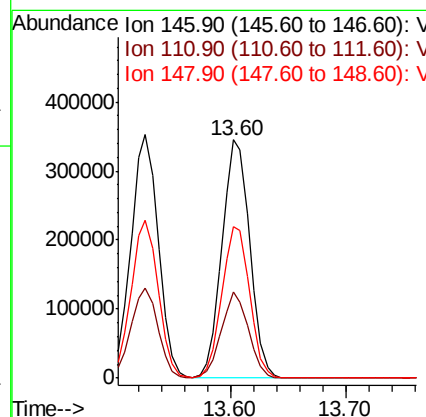
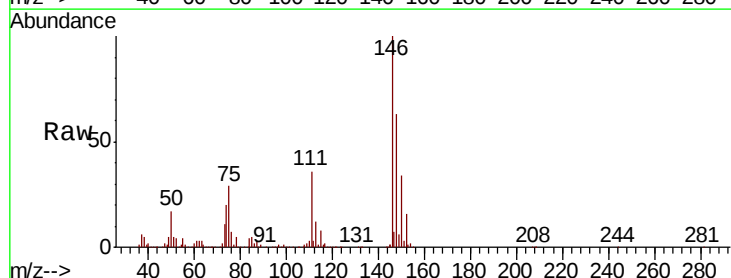
Instrument :
 MSVOA_D
 ClientSampleId :

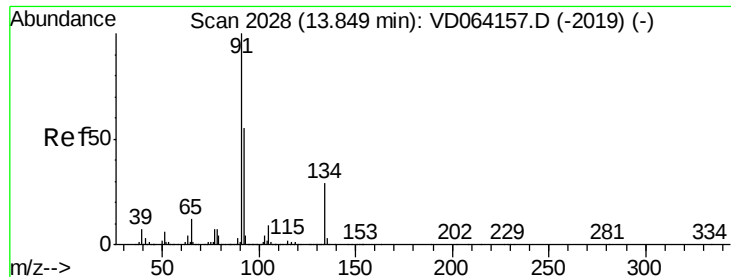
Tot Ion:146 Resp: 582727
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.9 56.9
 148 64.2 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 50.242 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064339.D
 Acq: 22 Nov 2019 11:00

Tgt Ion:146 Resp: 574793
 Ion Ratio Lower Upper
 146 100
 111 35.6 18.1 54.4
 148 63.1 31.9 95.7

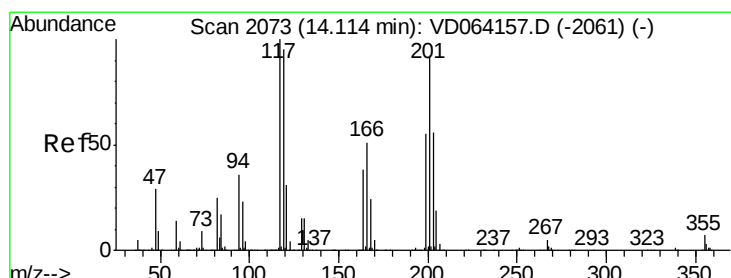
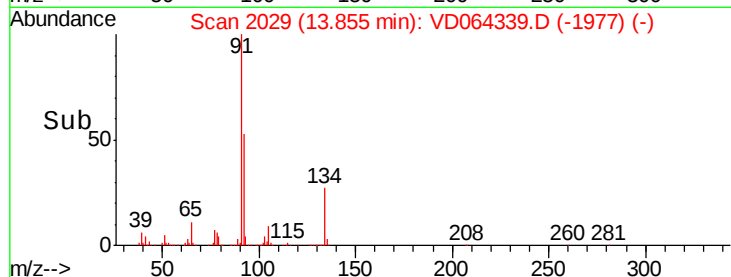
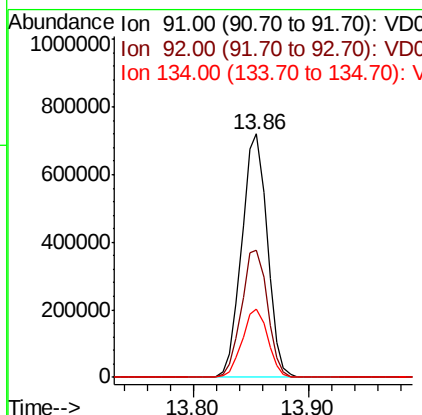
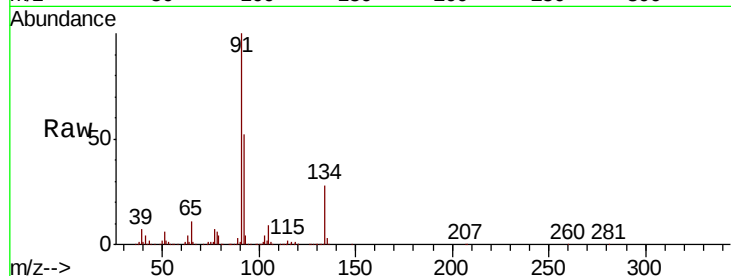




#89
n-Butylbenzene
Concen: 50.977 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

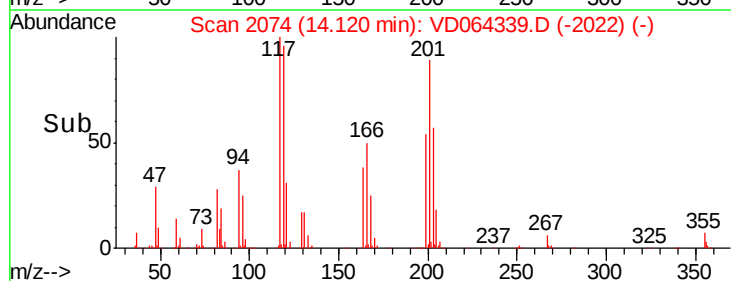
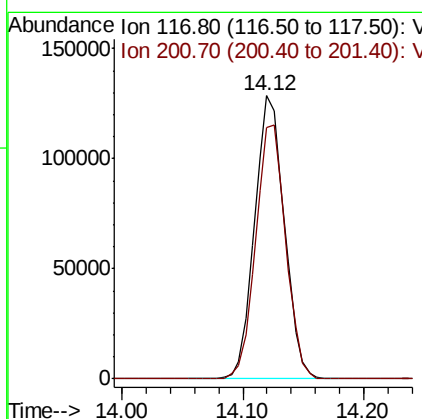
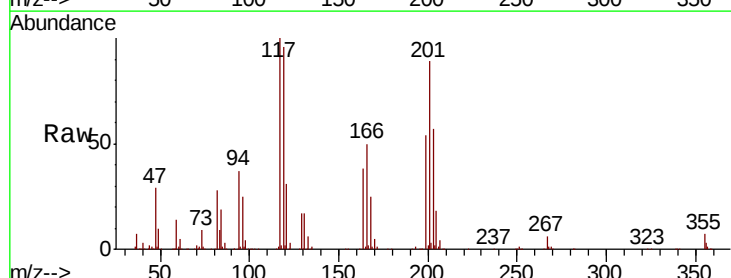
Instrument :
MSVOA_D
ClientSampleId :

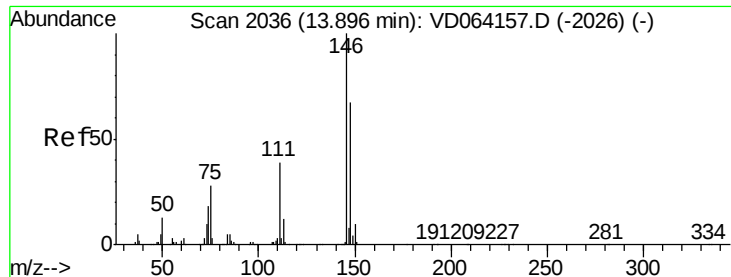
Tot Ion: 91 Resp: 1107505
Ion Ratio Lower Upper
91 100
92 53.4 27.3 81.8
134 28.3 14.1 42.4



#90
Hexachloroethane
Concen: 49.565 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion: 117 Resp: 220276
Ion Ratio Lower Upper
117 100
201 90.2 45.8 137.4





#91

1,2-Dichlorobenzene

Concen: 49.799 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

Instrument :

MSVOA_D

ClientSampleId :

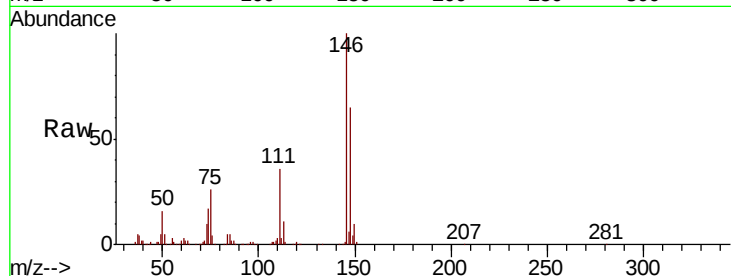
Tot Ion:146 Resp: 494080

Ion Ratio Lower Upper

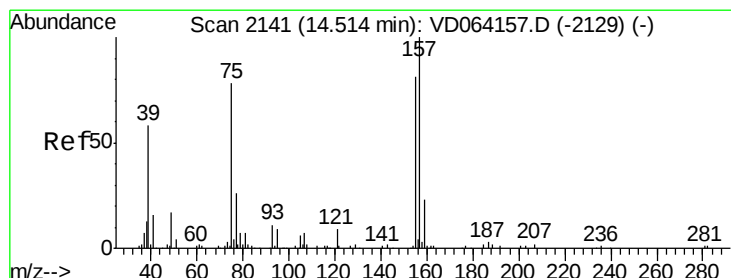
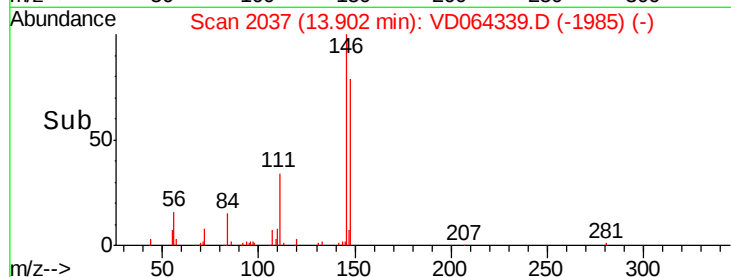
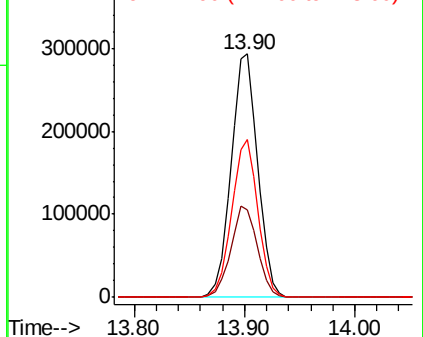
146 100

111 37.7 19.7 59.0

148 64.0 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V
400000 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: 42.575 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.01 min

Lab File: VD064339.D

Acq: 22 Nov 2019 11:00

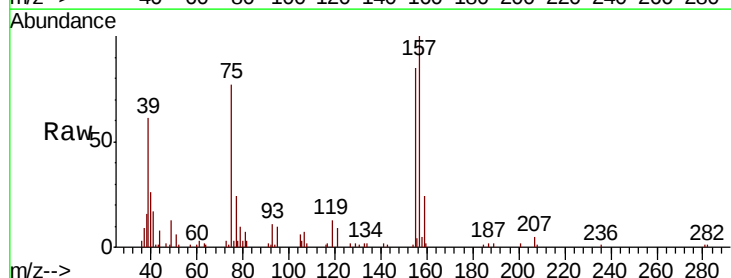
Tgt Ion: 75 Resp: 29814

Ion Ratio Lower Upper

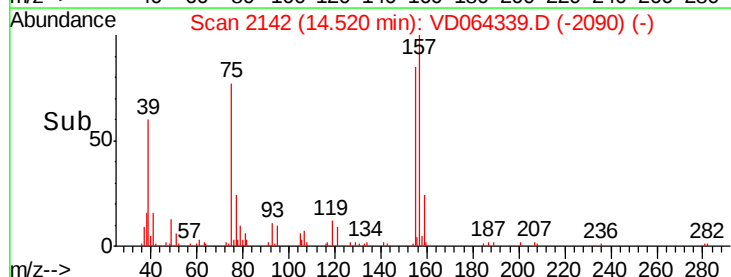
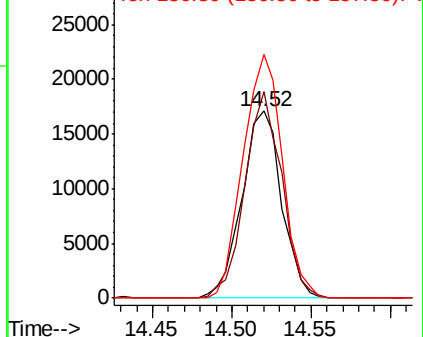
75 100

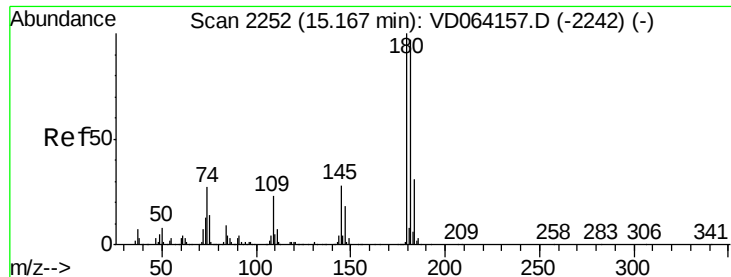
155 102.6 48.0 144.0

157 128.6 61.5 184.4



Abundance Ion 74.90 (74.60 to 75.60): V
30000 Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

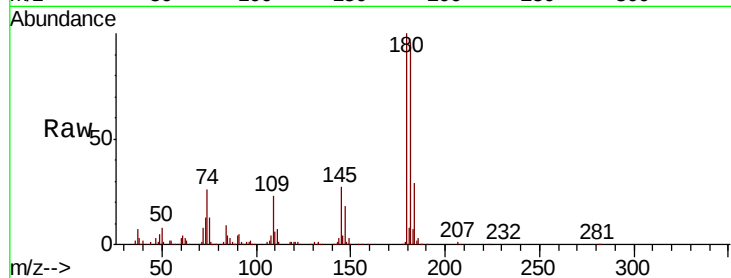




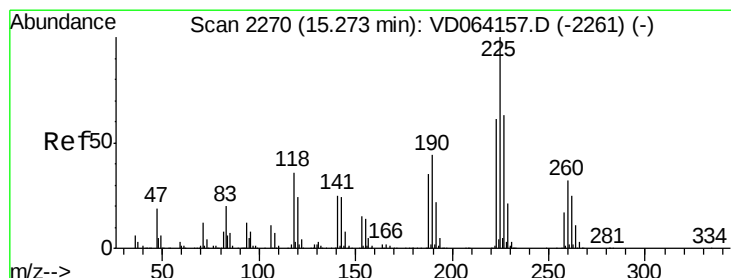
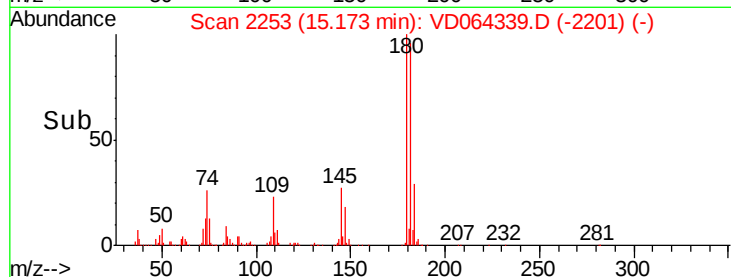
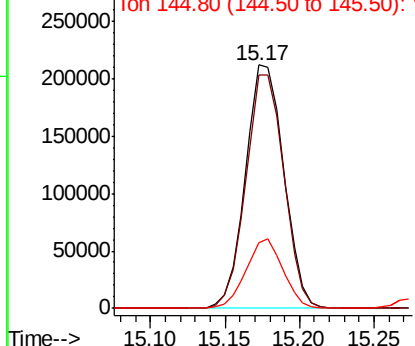
#93
 1,2,4-Trichlorobenzene
 Concen: 49.184 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064339.D
 Acq: 22 Nov 2019 11:00

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.5	142.5
145	27.6	14.2	42.6

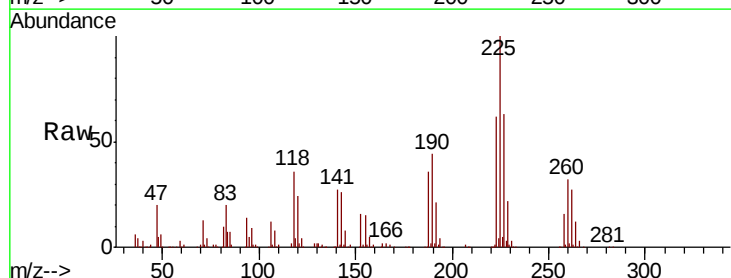


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

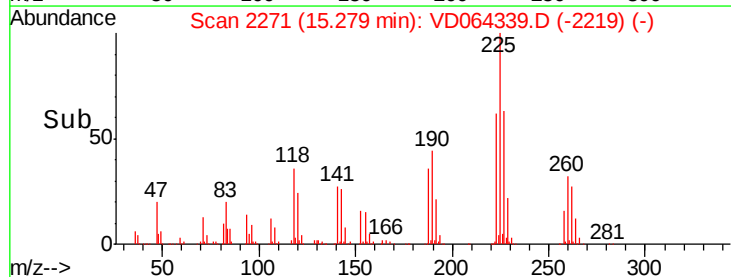
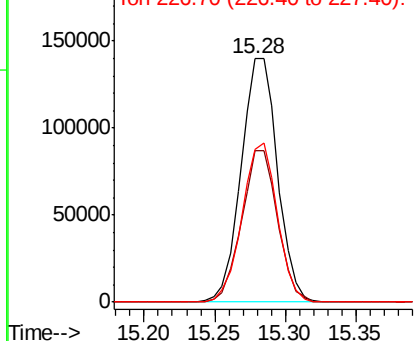


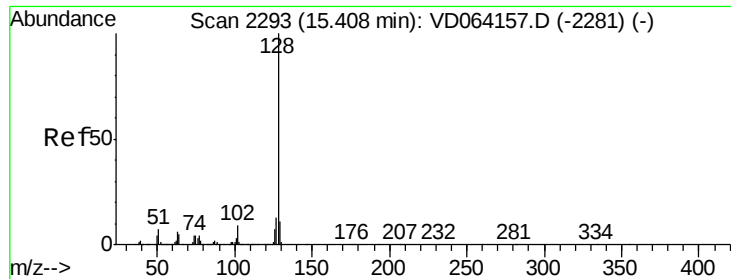
#94
 Hexachlorobutadiene
 Concen: 50.994 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064339.D
 Acq: 22 Nov 2019 11:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.1	93.3
227	63.5	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

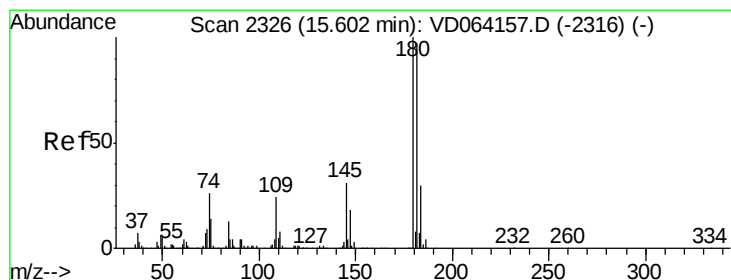
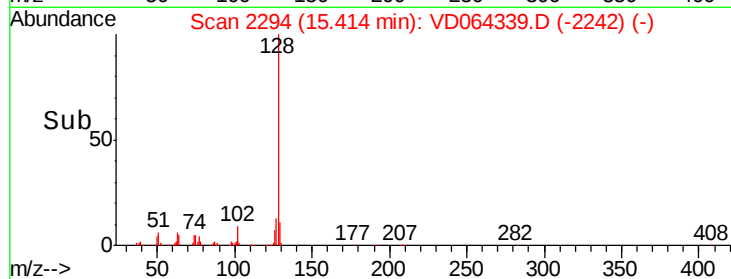
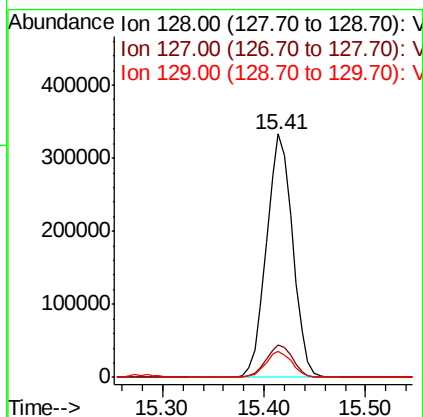
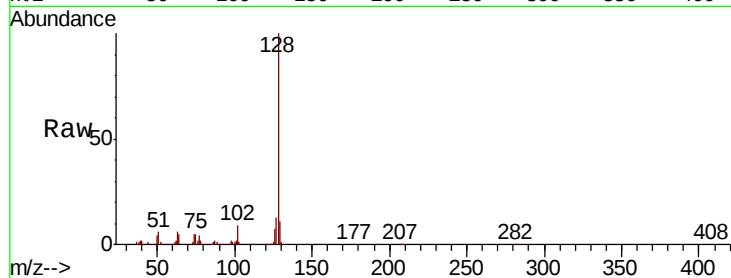




#95
Naphthalene
Concen: 47.585 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	10.7	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 48.651 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VD064339.D
Acq: 22 Nov 2019 11:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.3	144.9
145	29.4	15.3	45.8

