

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111919\
 Data File : VD064303.D
 Acq On : 19 Nov 2019 21:38
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 20 03:29:14 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	519279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	775948	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	686321	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	333629	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	217527	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
35) Dibromofluoromethane	7.92	113	223802	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
50) Toluene-d8	10.34	98	810650	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	
62) 4-Bromofluorobenzene	12.64	95	270144	46.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	192371	44.667	ug/l	99
3) Chloromethane	2.21	50	233715	50.593	ug/l	96
4) Vinyl Chloride	2.35	62	275728	55.816	ug/l	96
5) Bromomethane	2.77	94	200057	64.134	ug/l	99
6) Chloroethane	2.93	64	196424	62.227	ug/l	98
7) Trichlorofluoromethane	3.27	101	477243	59.587	ug/l	98
8) Diethyl Ether	3.71	74	118473	53.797	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	221705	48.431	ug/l	99
10) Methyl Iodide	4.30	142	242656	46.581	ug/l	99
11) Tert butyl alcohol	5.26	59	77649	260.310	ug/l	98
12) 1,1-Dichloroethene	4.06	96	210421	48.224	ug/l	95
13) Acrolein	3.93	56	70932	281.086	ug/l	99
14) Allyl chloride	4.71	41	349550	45.309	ug/l	95
15) Acrylonitrile	5.43	53	252617	269.076	ug/l	99
16) Acetone	4.17	43	186445	184.280	ug/l	96
17) Carbon Disulfide	4.40	76	615769	45.316	ug/l	99
18) Methyl Acetate	4.73	43	146228	51.747	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	543285	52.156	ug/l	97
20) Methylene Chloride	4.97	84	240641	47.086	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	245709	49.703	ug/l	99
22) Diisopropyl ether	6.37	45	722258	50.457	ug/l	99
23) Vinyl Acetate	6.31	43	2106289	263.974	ug/l	99
24) 1,1-Dichloroethane	6.27	63	417672	50.253	ug/l	99
25) 2-Butanone	7.22	43	312992	239.451	ug/l	99
26) 2,2-Dichloropropane	7.21	77	345370	42.373	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	276951	52.241	ug/l	93
28) Bromochloromethane	7.56	49	173395	59.924	ug/l	99
29) Tetrahydrofuran	7.57	42	211262	269.005	ug/l	97
30) Chloroform	7.72	83	450613	53.003	ug/l	98
31) Cyclohexane	7.98	56	362819	43.285	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	393216	48.303	ug/l	100
36) 1,1-Dichloropropene	8.11	75	324335	45.290	ug/l	99
37) Ethyl Acetate	7.30	43	149607	49.554	ug/l	97
38) Carbon Tetrachloride	8.10	117	353318	46.108	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	396197	43.722	ug/l	95
40) Benzene	8.36	78	961364	49.119	ug/l	97
41) Methacrylonitrile	7.53	41	84739	44.657	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	289803	49.301	ug/l	100
43) Isopropyl Acetate	8.46	43	297954	47.899	ug/l	97
44) Trichloroethene	9.11	130	281177	47.866	ug/l	100
45) 1,2-Dichloropropane	9.39	63	238180	49.998	ug/l	99
46) Dibromomethane	9.48	93	136596	53.560	ug/l	98
47) Bromodichloromethane	9.67	83	348521	50.734	ug/l	98
48) Methyl methacrylate	9.46	41	141171	46.412	ug/l	94
49) 1,4-Dioxane	9.47	88	32476	1060.291	ug/l	91
51) 4-Methyl-2-Pentanone	10.24	43	740132	248.118	ug/l	99
52) Toluene	10.41	92	616751	47.922	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	333097	48.400	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	389592	48.511	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	182800	52.837	ug/l	98
56) Ethyl methacrylate	10.67	69	241672	49.936	ug/l	95
57) 1,3-Dichloropropane	10.96	76	315785	52.336	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	502262	256.200	ug/l	99
59) 2-Hexanone	10.99	43	499779	235.497	ug/l	98
60) Dibromochloromethane	11.14	129	249959	51.778	ug/l	99
61) 1,2-Dibromoethane	11.25	107	182125	52.558	ug/l	97
64) Tetrachloroethene	10.88	164	237627	45.018	ug/l	97
65) Chlorobenzene	11.67	112	675618	48.409	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	258062	48.629	ug/l	97
67) Ethyl Benzene	11.75	91	1183288	46.873	ug/l	99
68) m/p-Xylenes	11.86	106	913185	94.373	ug/l	98
69) o-Xylene	12.18	106	432497	48.193	ug/l	97
70) Styrene	12.20	104	749023	47.815	ug/l	98
71) Bromoform	12.37	173	156275	51.745	ug/l #	99
73) Isopropylbenzene	12.48	105	1136336	46.403	ug/l	100
74) N-amyl acetate	12.30	43	269371	46.581	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	189641	51.394	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	251624	93.635	ug/l #	100
77) Bromobenzene	12.77	156	296450	49.830	ug/l	97
78) n-propylbenzene	12.83	91	1298136	46.398	ug/l	99
79) 2-Chlorotoluene	12.91	91	732046	46.344	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	928966	46.167	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	61280	45.297	ug/l	98
82) 4-Chlorotoluene	13.01	91	764113	46.379	ug/l	99
83) tert-Butylbenzene	13.23	119	806534	45.456	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	932401	46.935	ug/l	100
85) sec-Butylbenzene	13.41	105	1093801	45.899	ug/l	99
86) p-Isopropyltoluene	13.53	119	1032192	45.560	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	534765	48.423	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	529866	49.160	ug/l	100
89) n-Butylbenzene	13.86	91	913853	44.647	ug/l	99
90) Hexachloroethane	14.12	117	195786	46.760	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	467554	50.020	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	29739	45.077	ug/l	92

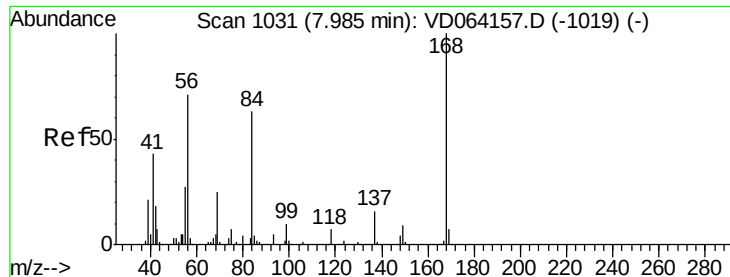
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Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	346968	48.119	ug/l	99
94) Hexachlorobutadiene	15.28	225	212586	45.645	ug/l	98
95) Naphthalene	15.41	128	602963	51.012	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	302972	49.430	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

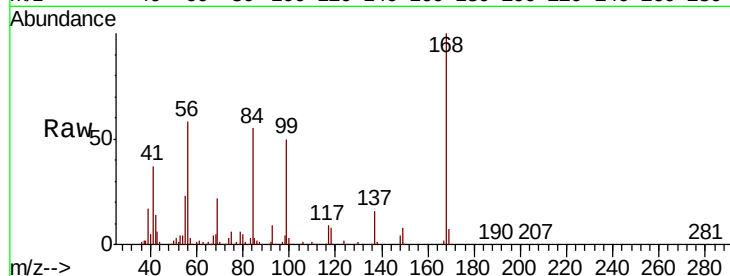
ClientSampleId :

Tot Ion:168 Resp: 519279

Ion Ratio Lower Upper

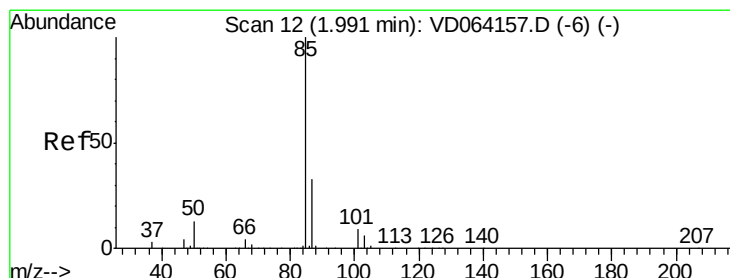
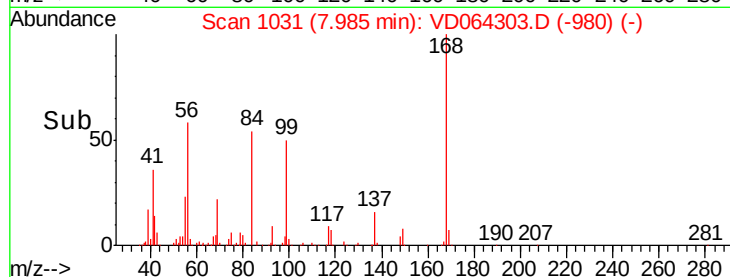
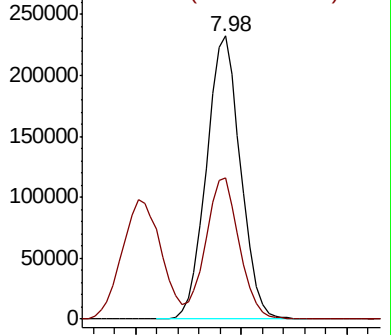
168 100

99 49.6 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 44.667 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064303.D

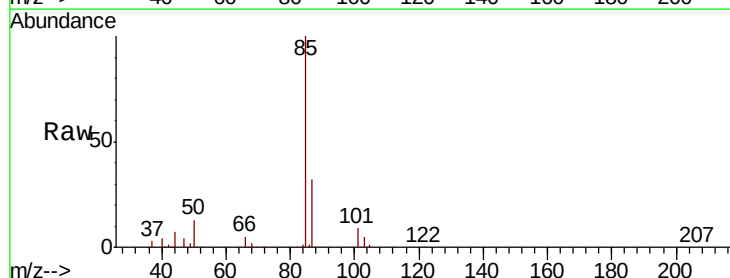
Acq: 19 Nov 2019 21:38

Tgt Ion: 85 Resp: 192371

Ion Ratio Lower Upper

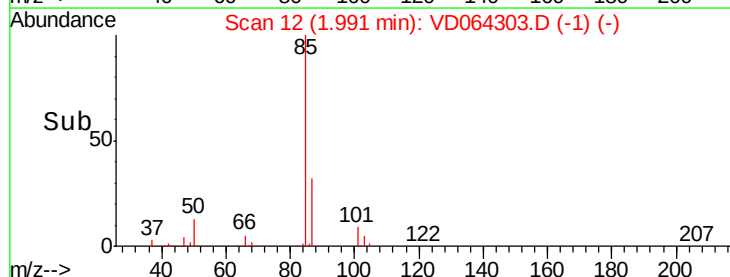
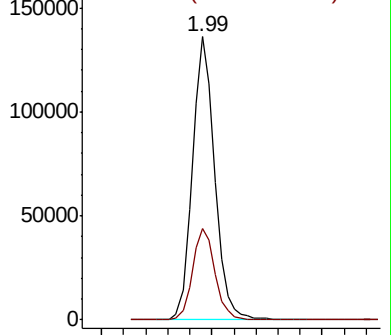
85 100

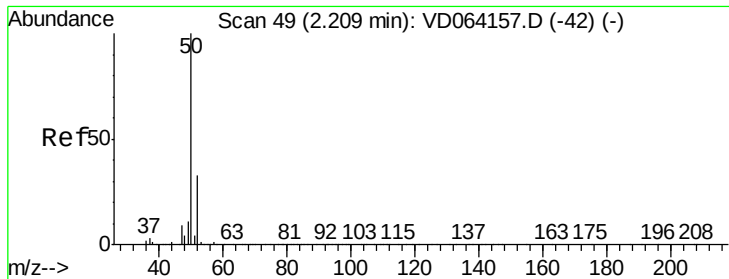
87 32.3 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 50.593 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

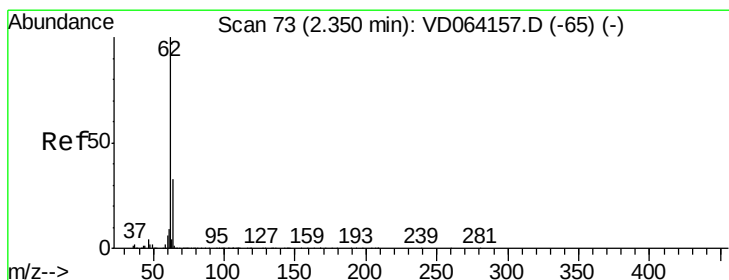
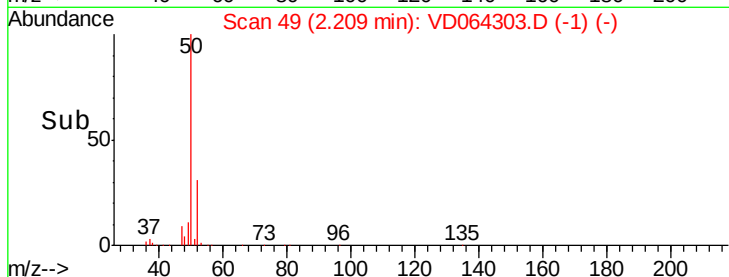
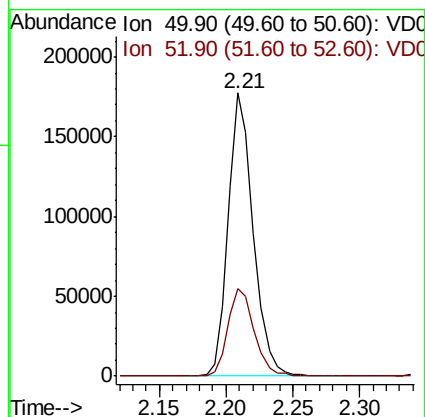
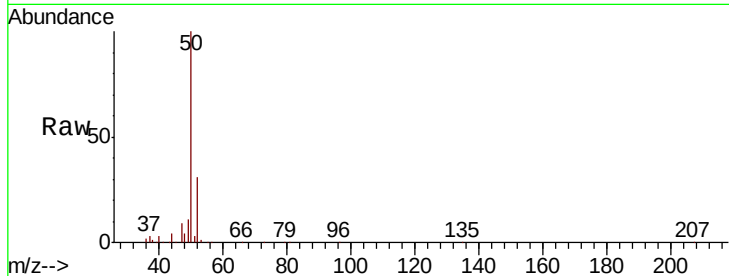
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 50 Resp: 233715

Ion Ratio Lower Upper

50 100

52 30.8 26.2 39.4



#4

Vinyl Chloride

Concen: 55.816 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064303.D

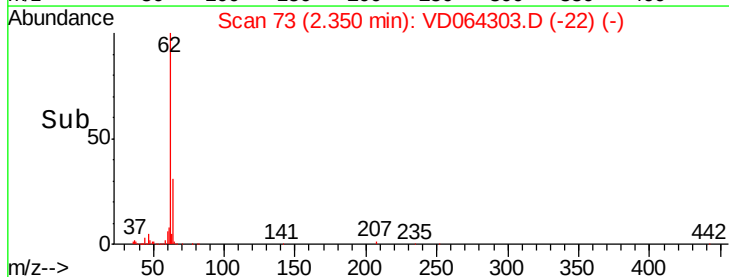
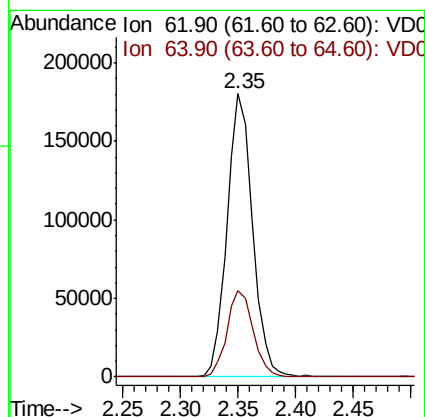
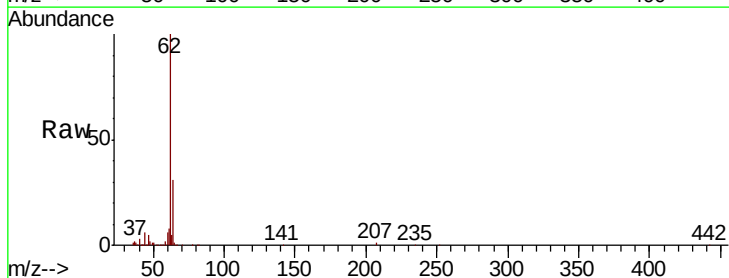
Acq: 19 Nov 2019 21:38

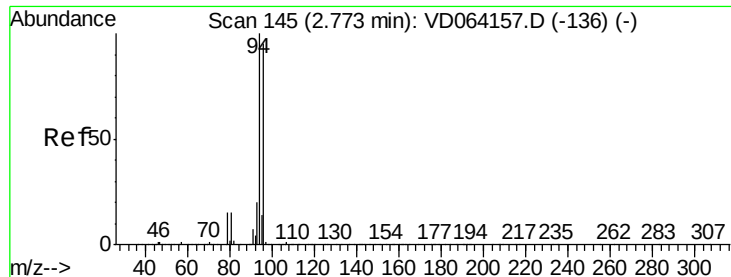
Tgt Ion: 62 Resp: 275728

Ion Ratio Lower Upper

62 100

64 30.7 26.2 39.2





#5

Bromomethane

Concen: 64.134 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

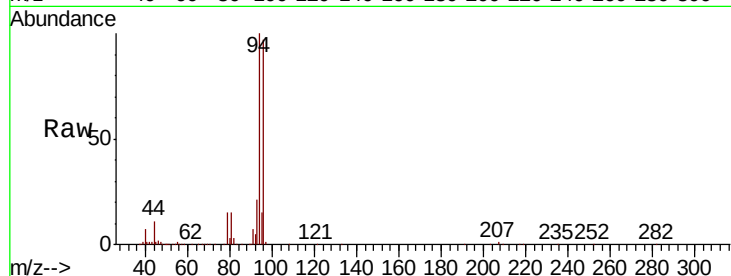
ClientSampleId :

Tot Ion: 94 Resp: 200057

Ion Ratio Lower Upper

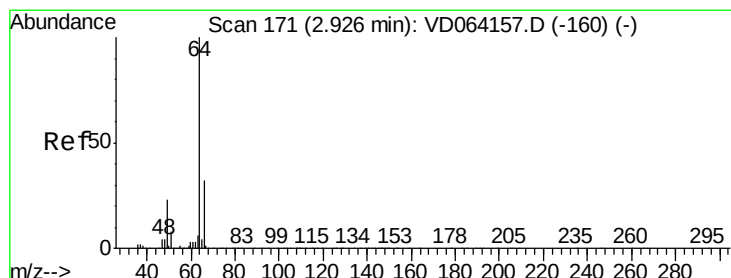
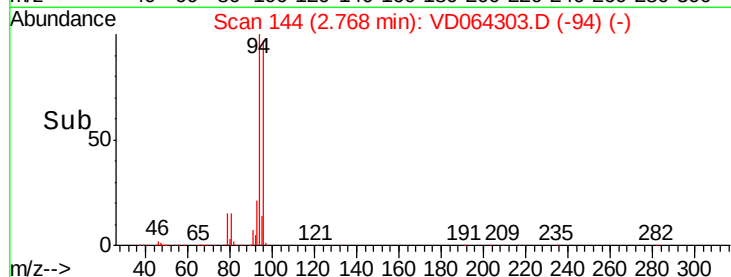
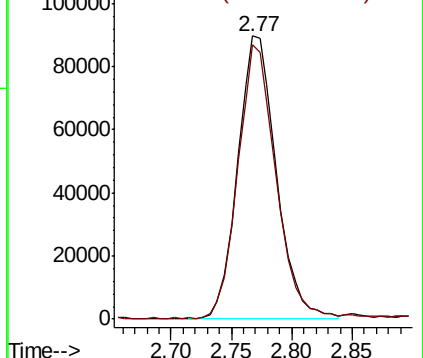
94 100

96 96.6 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 62.227 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD064303.D

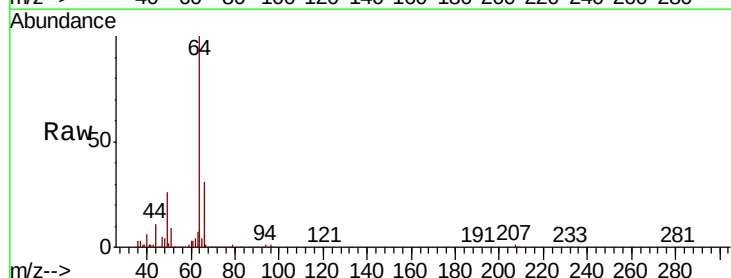
Acq: 19 Nov 2019 21:38

Tgt Ion: 64 Resp: 196424

Ion Ratio Lower Upper

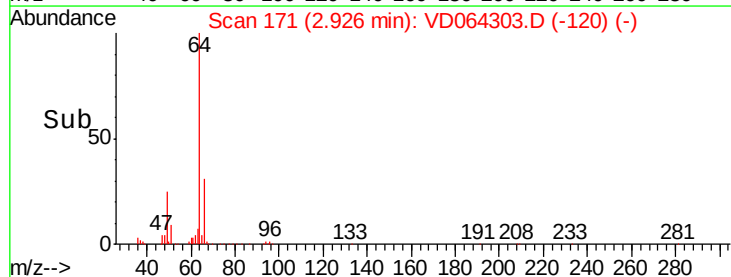
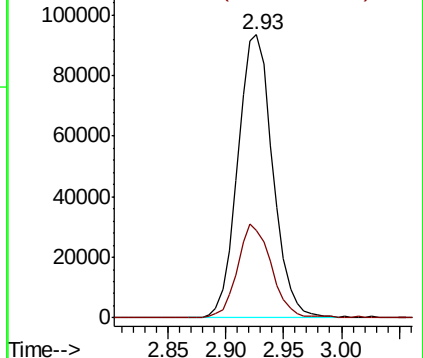
64 100

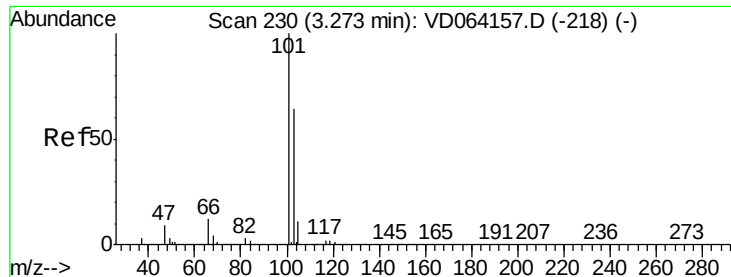
66 30.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



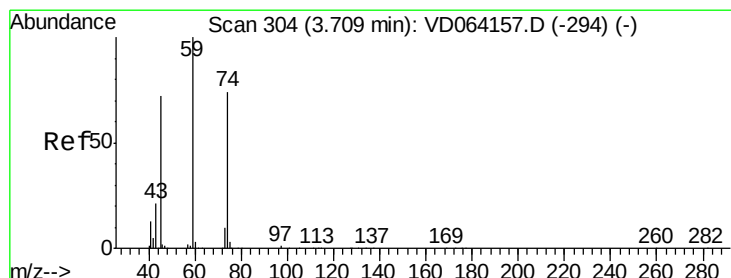
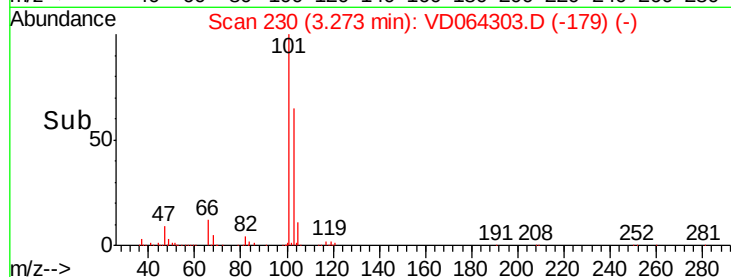
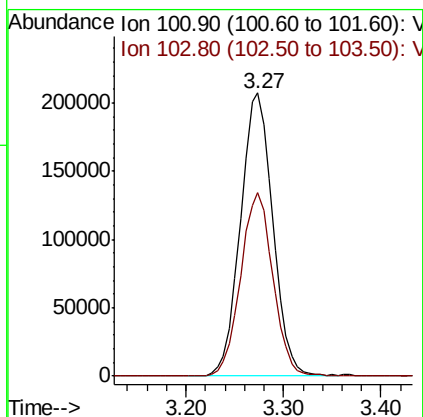
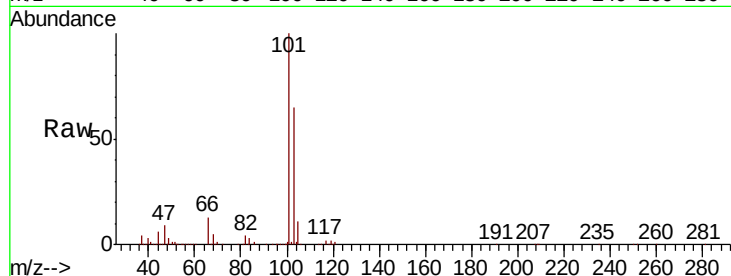


#7

Trichlorofluoromethane
Concen: 59.587 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Instrument :
MSVOA_D
ClientSampleId :

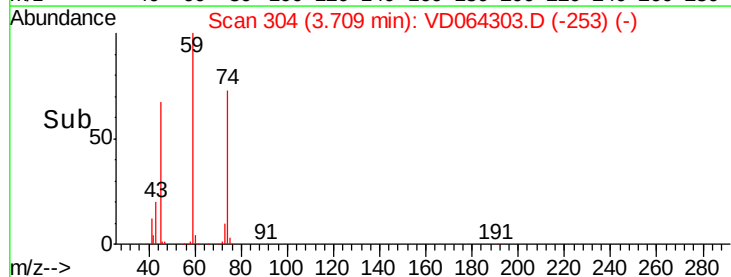
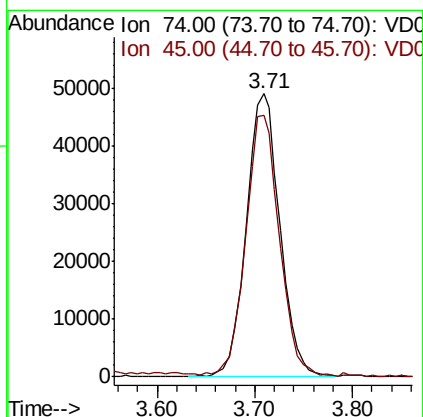
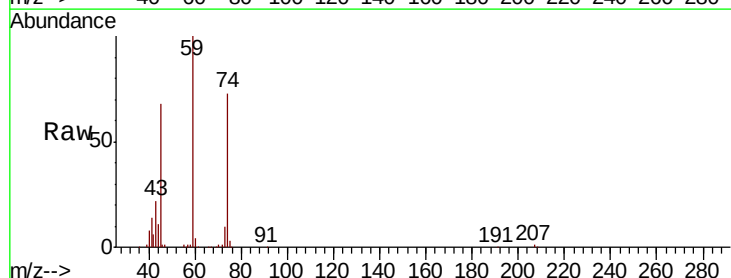
Tot Ion:101 Resp: 477243
Ion Ratio Lower Upper
101 100
103 64.7 50.8 76.2

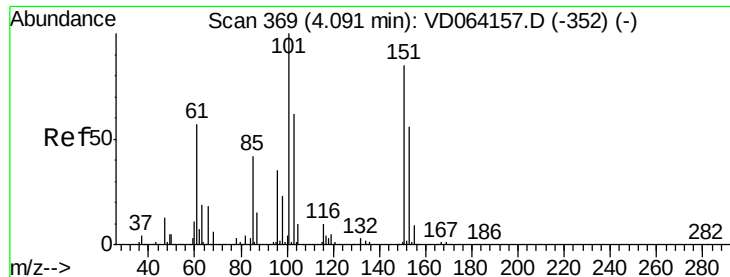


#8

Diethyl Ether
Concen: 53.797 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion: 74 Resp: 118473
Ion Ratio Lower Upper
74 100
45 92.0 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.431 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

ClientSampleId :

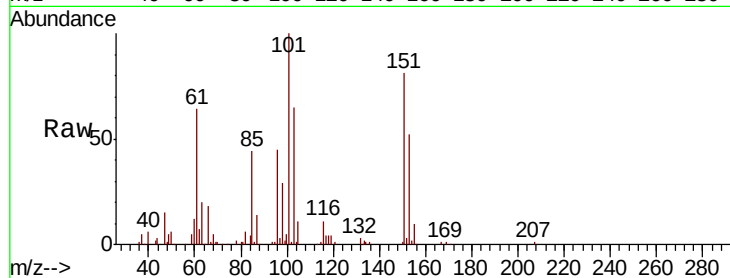
Tot Ion:101 Resp: 221705

Ion Ratio Lower Upper

101 100

85 44.2 34.4 51.6

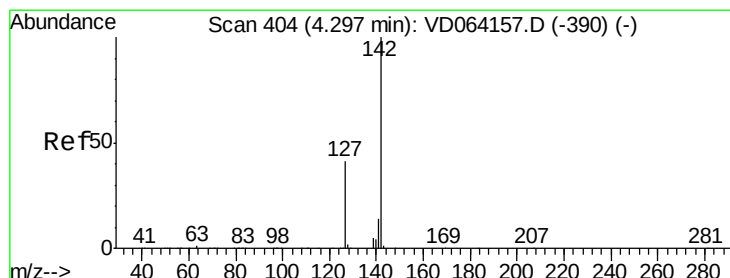
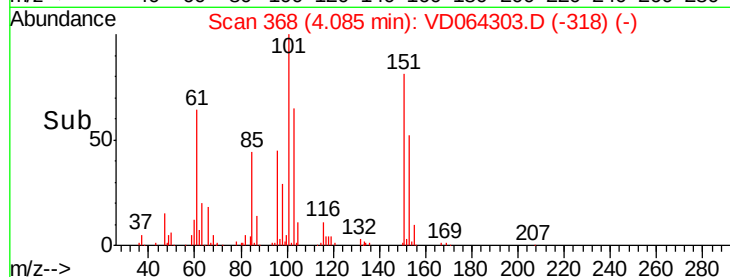
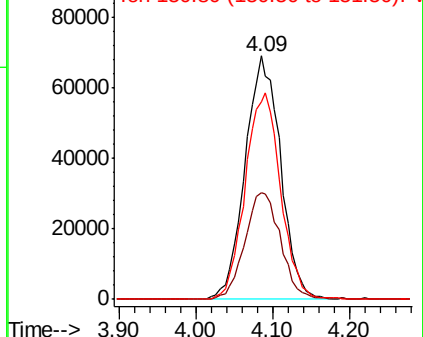
151 84.9 68.1 102.1



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: 46.581 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

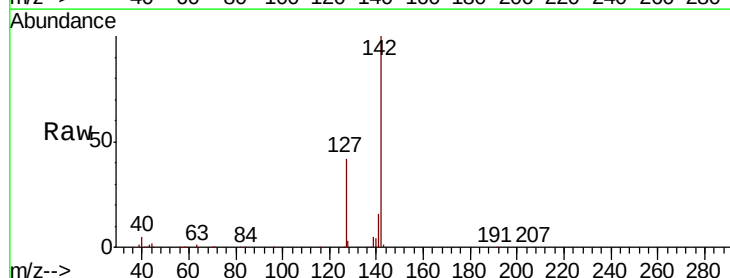
Tgt Ion:142 Resp: 242656

Ion Ratio Lower Upper

142 100

127 43.3 34.4 51.6

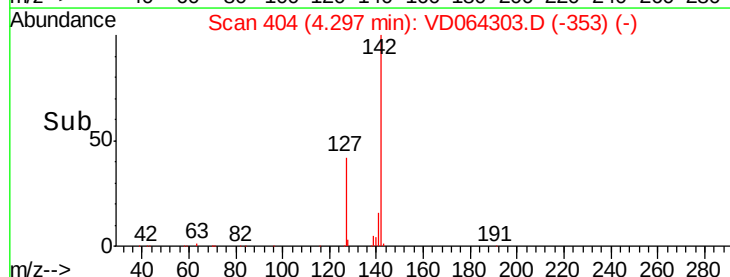
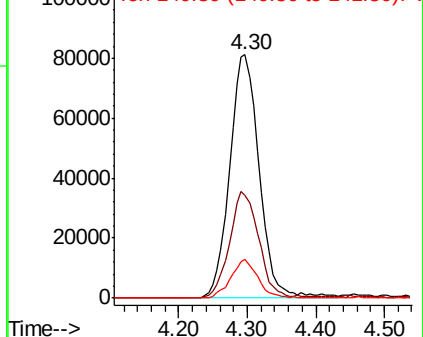
141 14.4 11.2 16.8

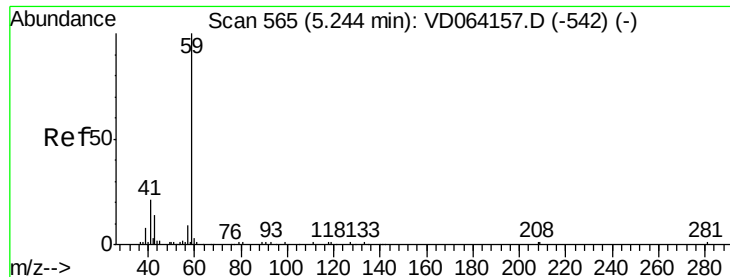


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

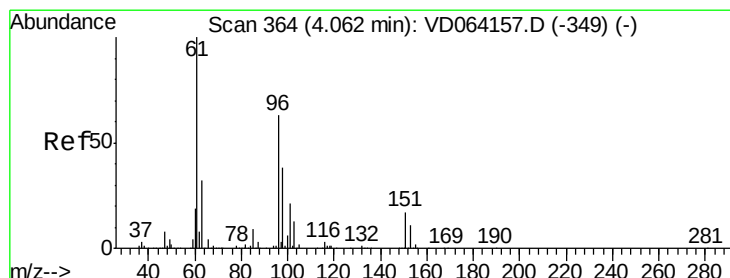
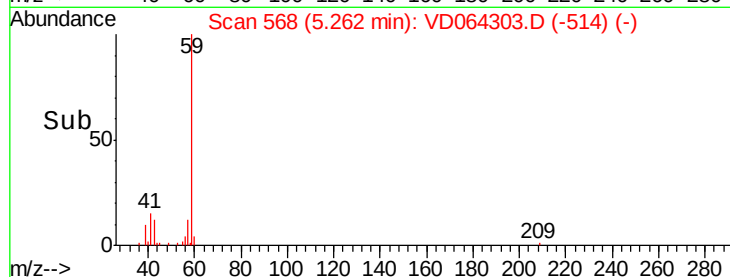
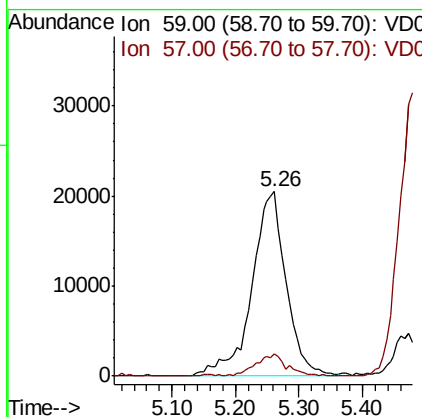
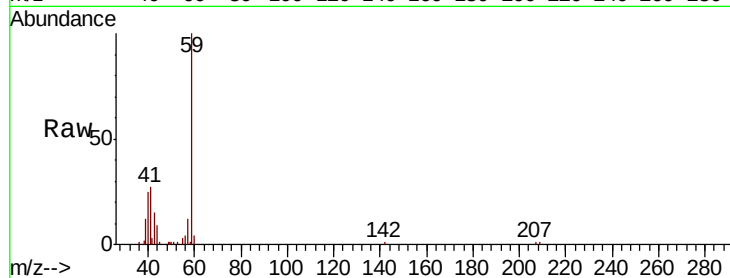




#11
Tert butyl alcohol
Concen: 260.310 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.02 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

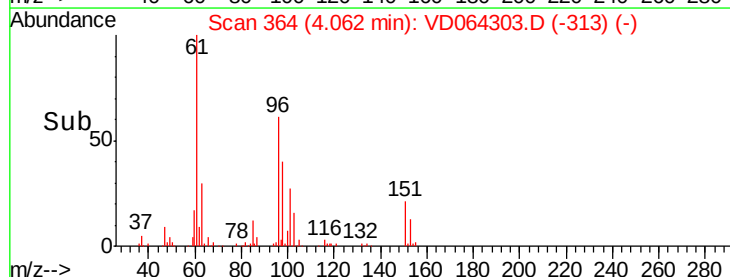
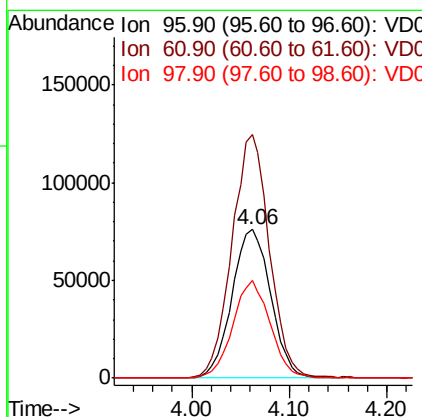
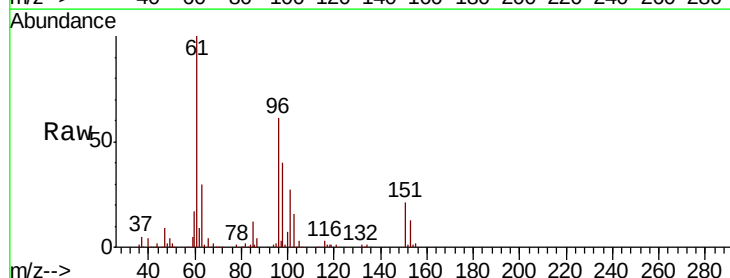
Instrument :
MSVOA_D
ClientSampleId :

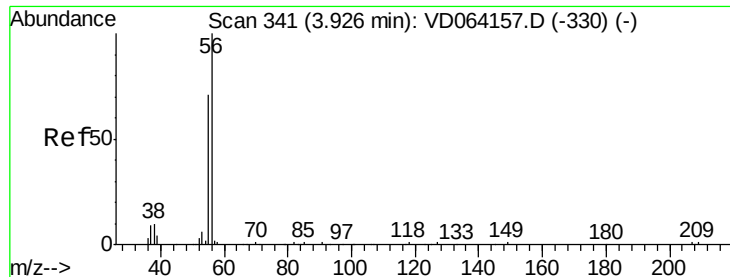
Tot Ion: 59 Resp: 77649
Ion Ratio Lower Upper
59 100
57 11.1 9.4 14.2



#12
1,1-Dichloroethene
Concen: 48.224 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion: 96 Resp: 210421
Ion Ratio Lower Upper
96 100
61 163.5 127.4 191.2
98 66.2 48.1 72.1





#13

Acrolein

Concen: 281.086 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

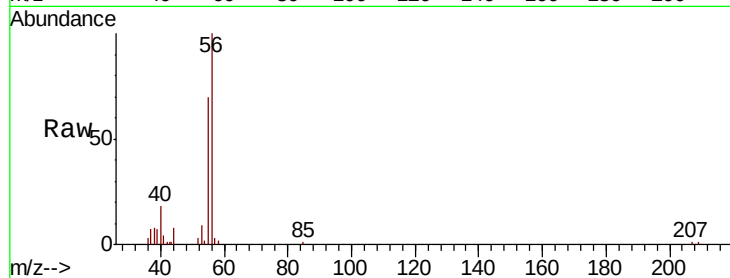
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 70932

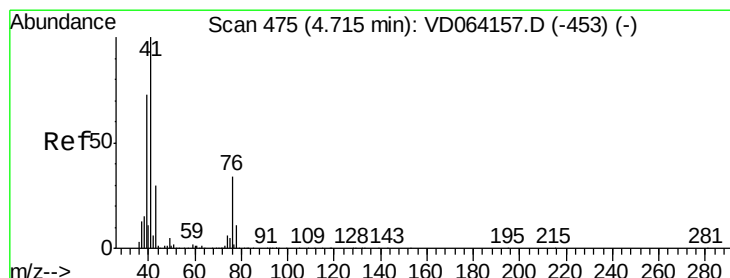
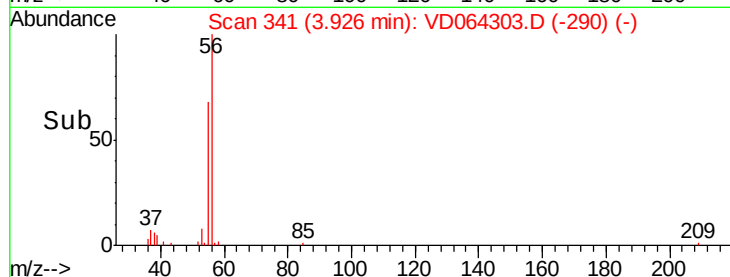
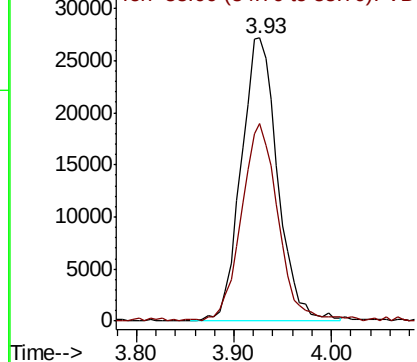
Ion Ratio Lower Upper

56 100

55 70.6 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 45.309 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

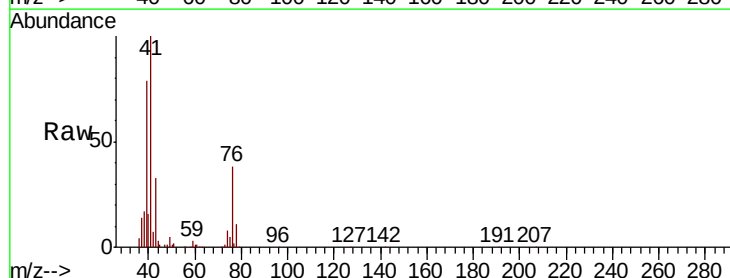
Tgt Ion: 41 Resp: 349550

Ion Ratio Lower Upper

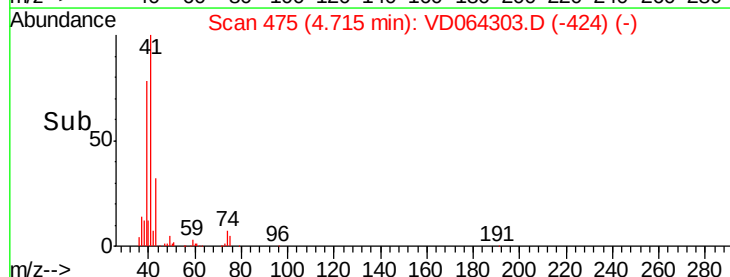
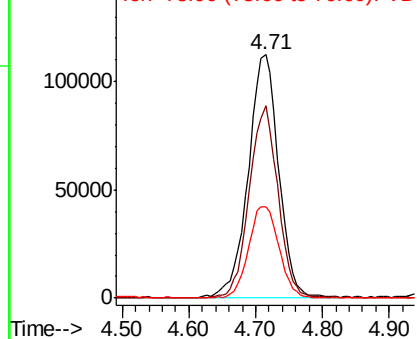
41 100

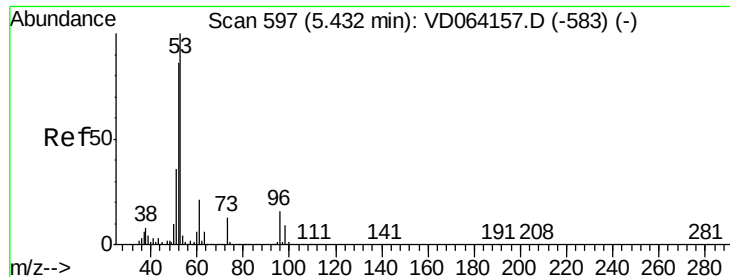
39 75.2 57.5 86.3

76 37.8 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





#15

Acrylonitrile

Concen: 269.076 ug/l

RT: 5.43 min Scan# 597

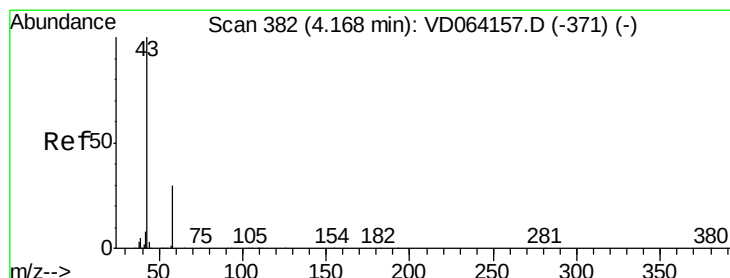
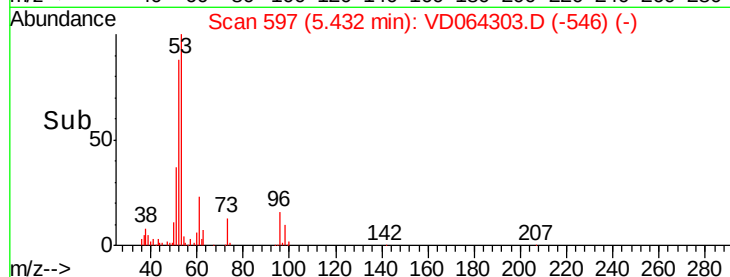
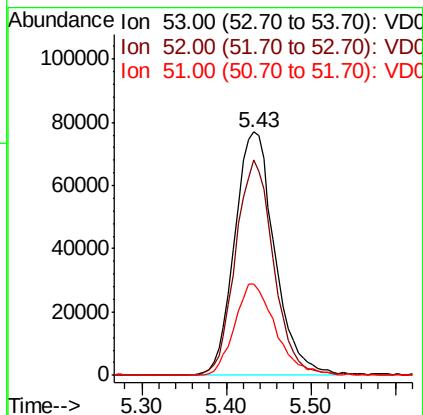
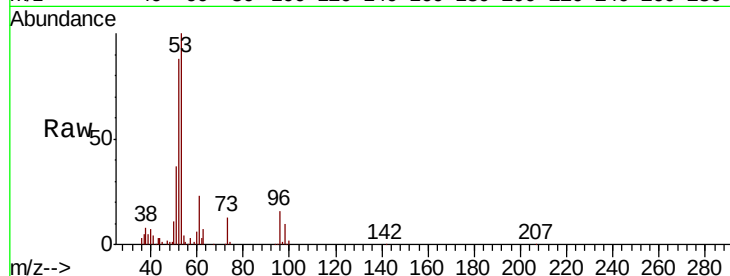
Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	53	Resp:	252617
Ion	Ratio	Lower	Upper
53	100		
52	84.4	66.7	100.1
51	38.6	30.6	46.0



#16

Acetone

Concen: 184.280 ug/l

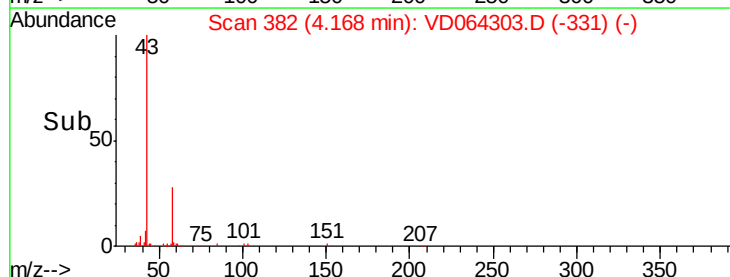
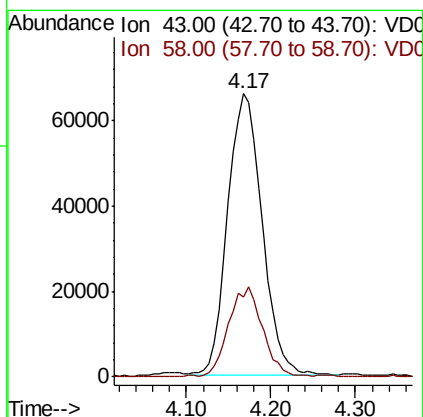
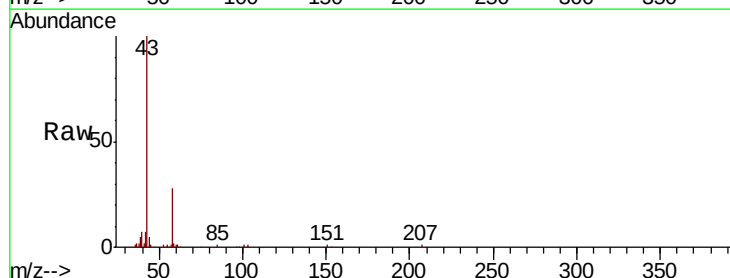
RT: 4.17 min Scan# 382

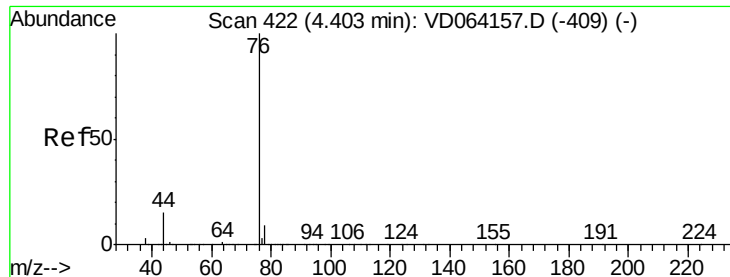
Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Tgt Ion:	43	Resp:	186445
Ion	Ratio	Lower	Upper
43	100		
58	28.0	24.1	36.1





#17

Carbon Disulfide

Concen: 45.316 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

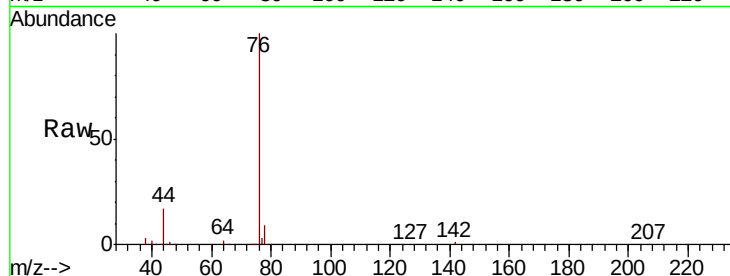
ClientSampleId :

Tot Ion: 76 Resp: 615769

Ion Ratio Lower Upper

76 100

78 8.6 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

250000

200000

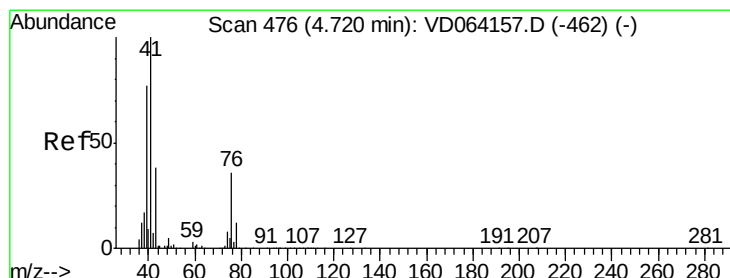
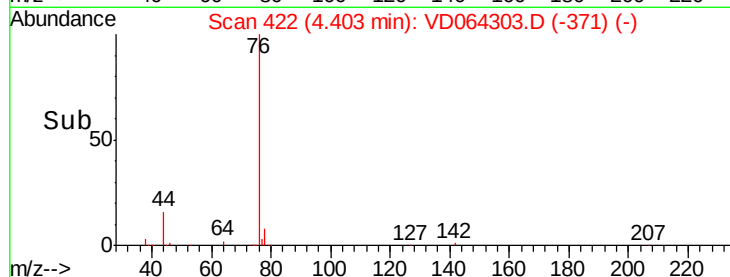
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 51.747 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD064303.D

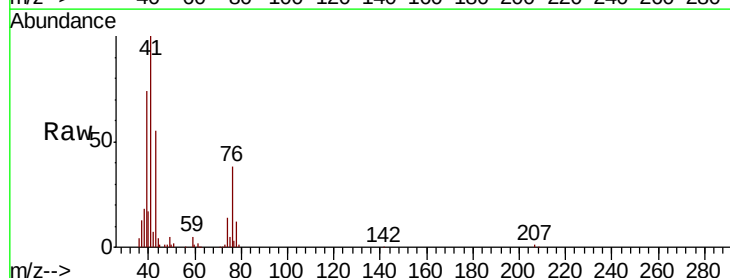
Acq: 19 Nov 2019 21:38

Tgt Ion: 43 Resp: 146228

Ion Ratio Lower Upper

43 100

74 24.6 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

50000

40000

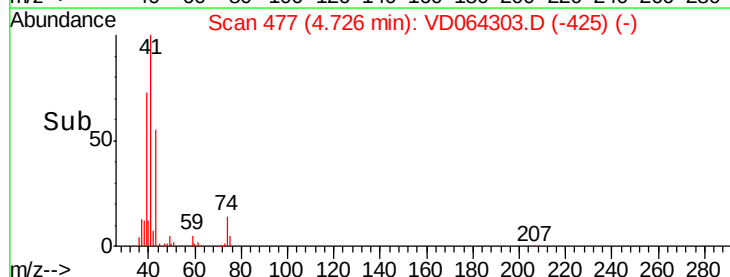
30000

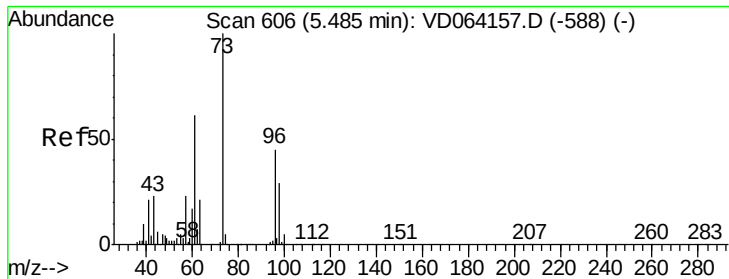
20000

10000

0

Time-->

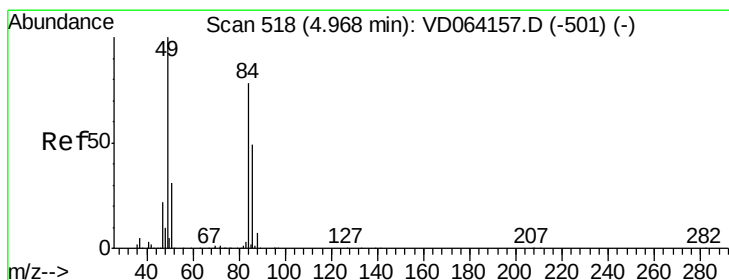
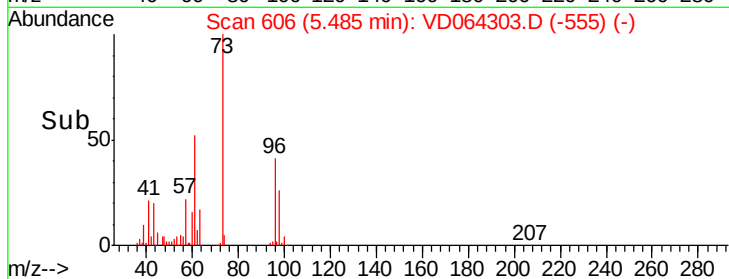
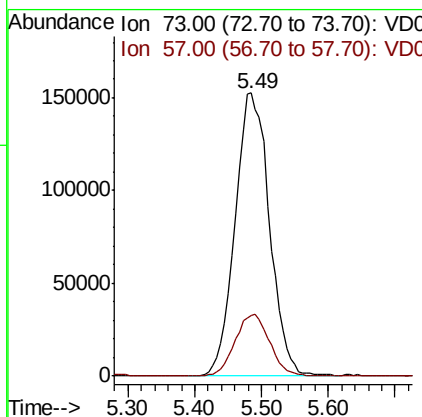
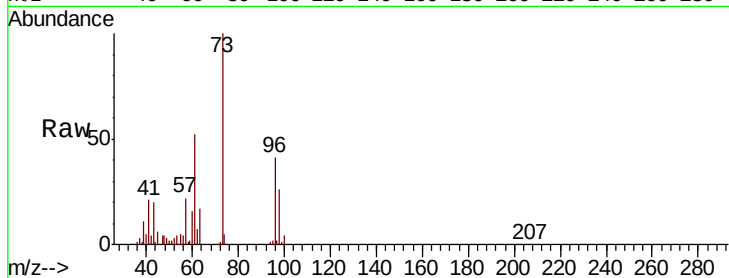




#19
Methyl tert-butyl Ether
Concen: 52.156 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

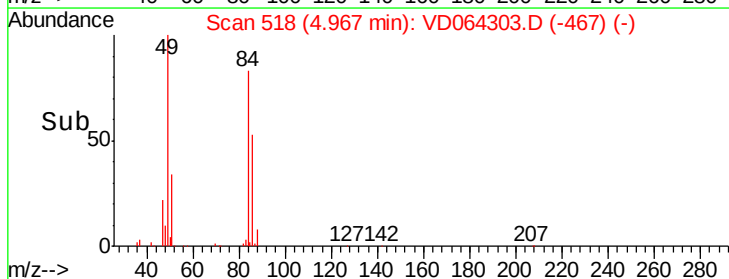
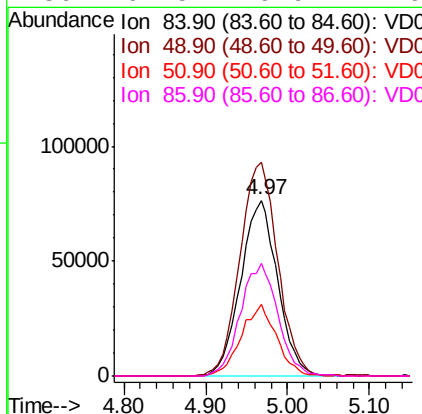
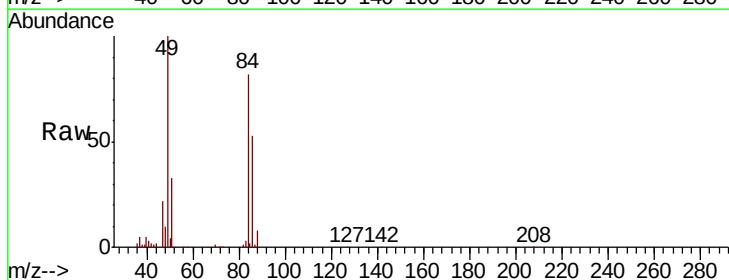
Instrument :
MSVOA_D
ClientSampleId :

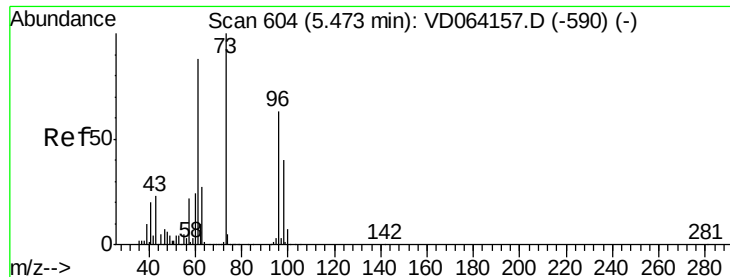
Tot Ion: 73 Resp: 543285
Ion Ratio Lower Upper
73 100
57 21.5 18.4 27.6



#20
Methylene Chloride
Concen: 47.086 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion: 84 Resp: 240641
Ion Ratio Lower Upper
84 100
49 121.7 102.1 153.1
51 40.8 32.2 48.2
86 64.5 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 49.703 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

ClientSampleId :

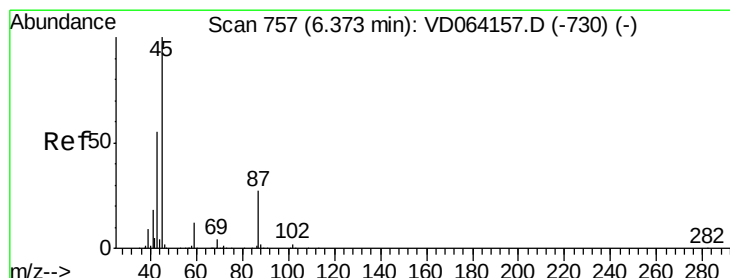
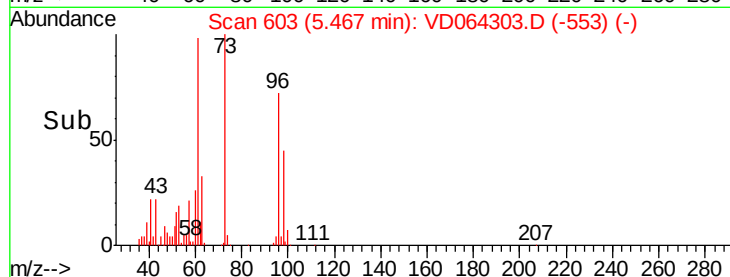
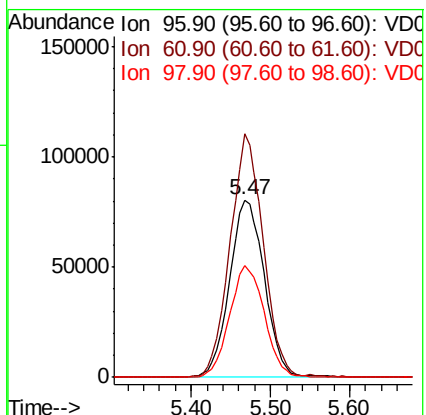
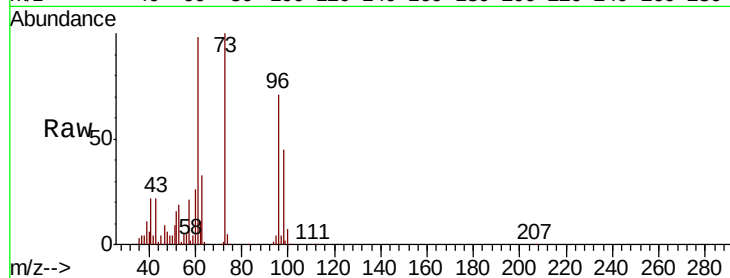
Tot Ion: 96 Resp: 245709

Ion Ratio Lower Upper

96 100

61 137.1 111.8 167.6

98 62.9 50.3 75.5



#22

Diisopropyl ether

Concen: 50.457 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Tgt Ion: 45 Resp: 722258

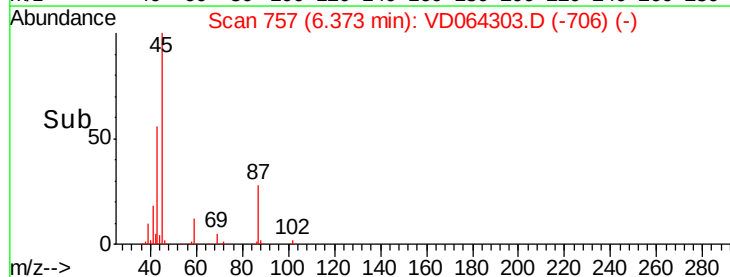
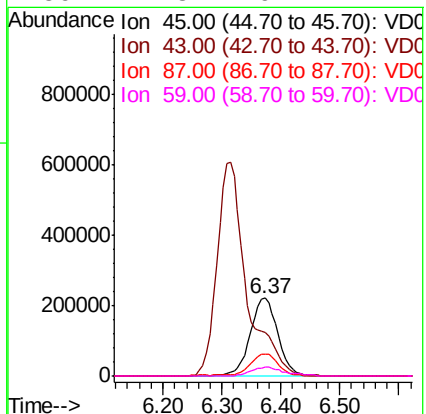
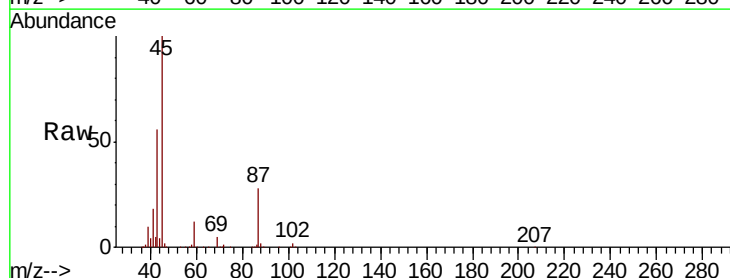
Ion Ratio Lower Upper

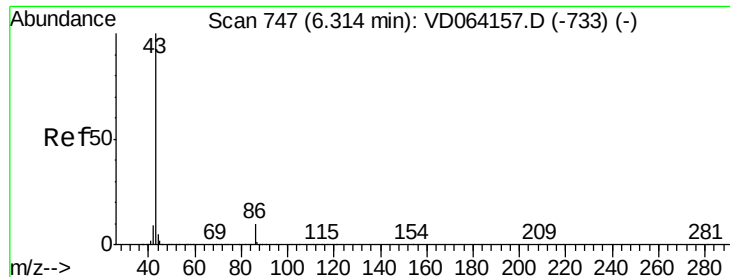
45 100

43 55.8 44.4 66.6

87 27.9 21.9 32.9

59 11.8 9.4 14.2





#23

Vinyl Acetate

Concen: 263.974 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

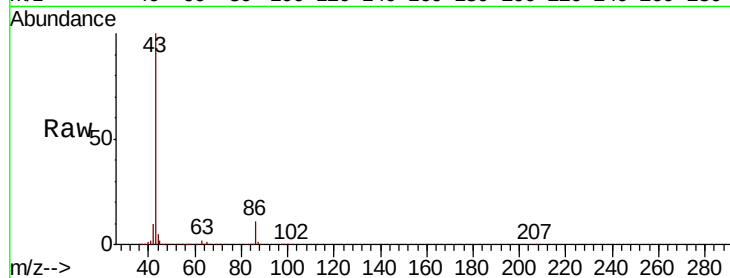
ClientSampleId :

Tot Ion: 43 Resp: 2106289

Ion Ratio Lower Upper

43 100

86 10.6 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

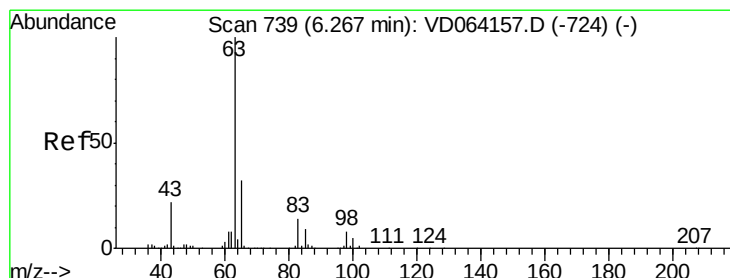
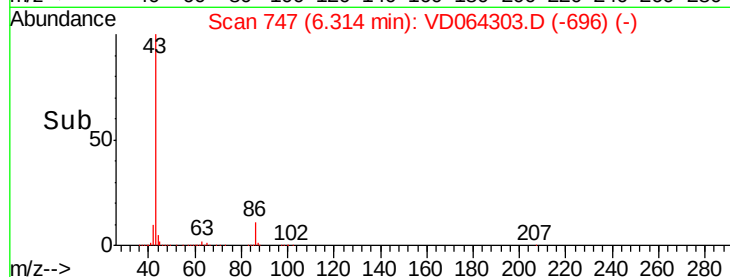
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.253 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

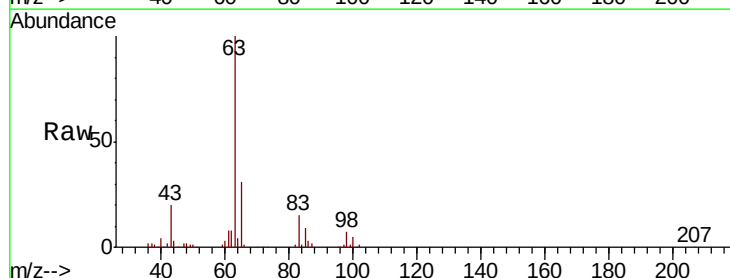
Tgt Ion: 63 Resp: 417672

Ion Ratio Lower Upper

63 100

98 7.2 3.8 11.4

100 4.6 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

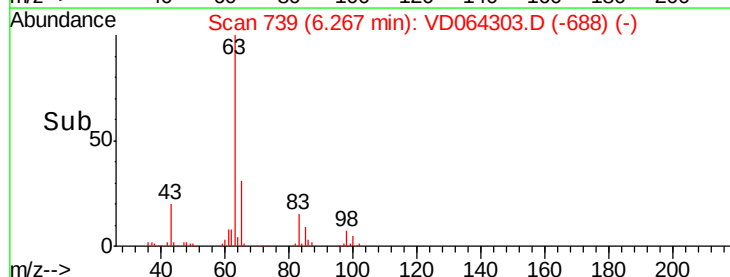
150000

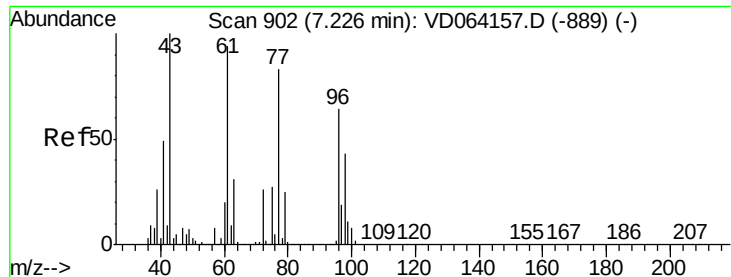
100000

50000

0

Time-->





#25

2-Butanone

Concen: 239.451 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

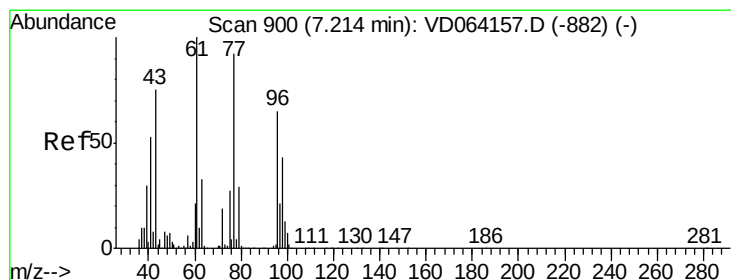
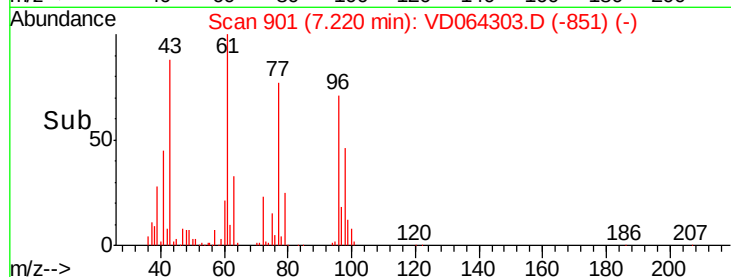
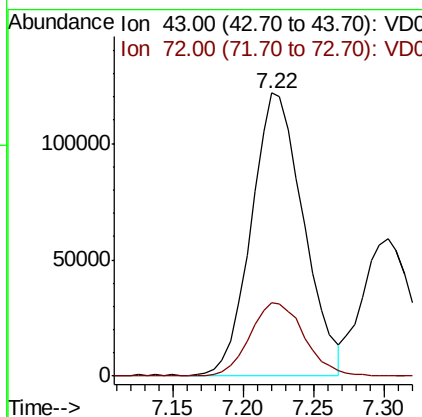
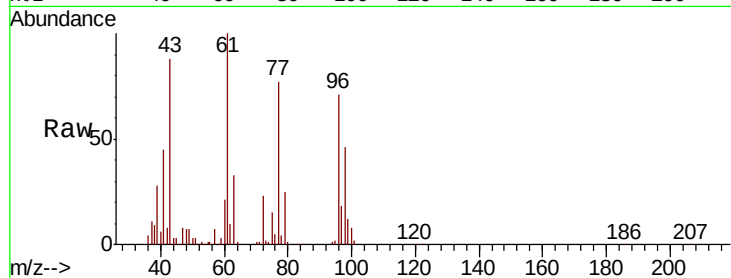
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 312992

Ion Ratio Lower Upper

43 100

72 26.2 20.6 30.8



#26

2,2-Dichloropropane

Concen: 42.373 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064303.D

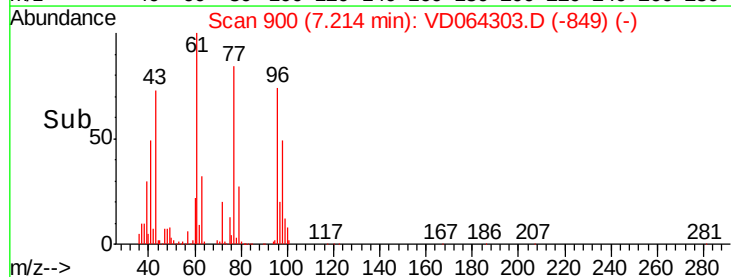
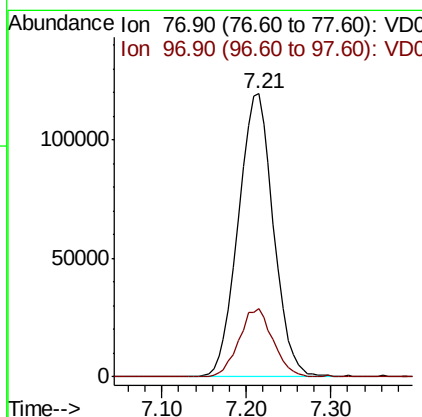
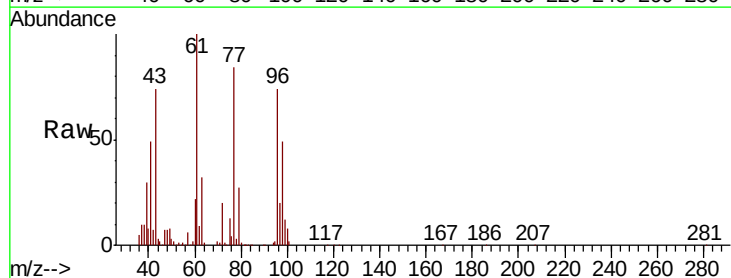
Acq: 19 Nov 2019 21:38

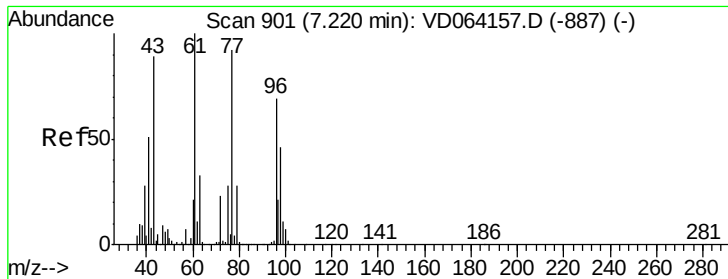
Tgt Ion: 77 Resp: 345370

Ion Ratio Lower Upper

77 100

97 23.3 11.1 33.3



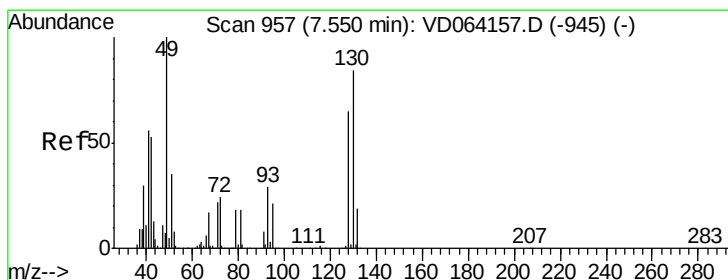
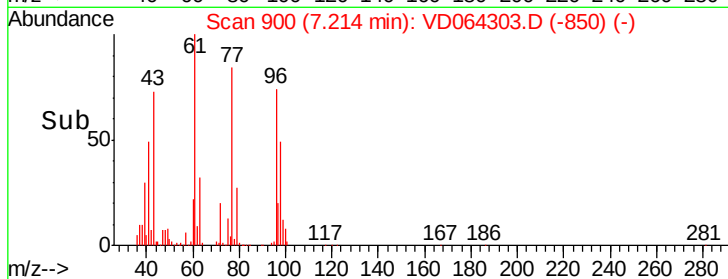
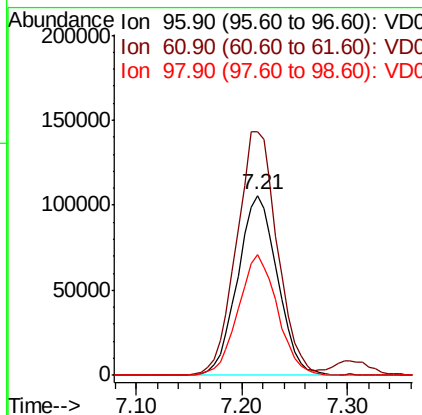
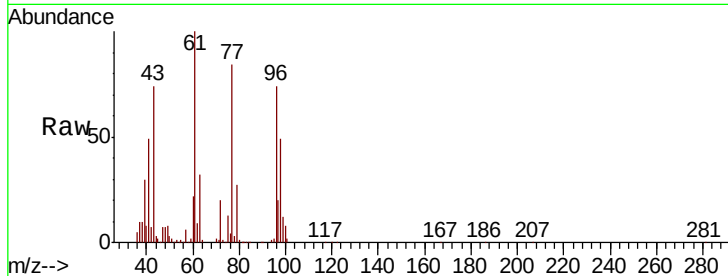


#27

cis-1,2-Dichloroethene
 Concen: 52.241 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Instrument :
 MSVOA_D
 ClientSampleId :

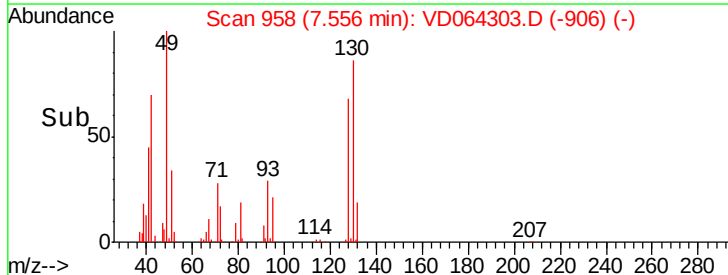
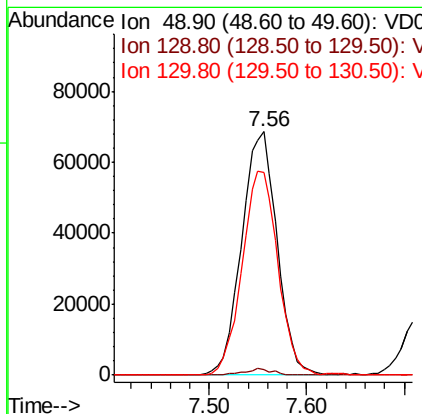
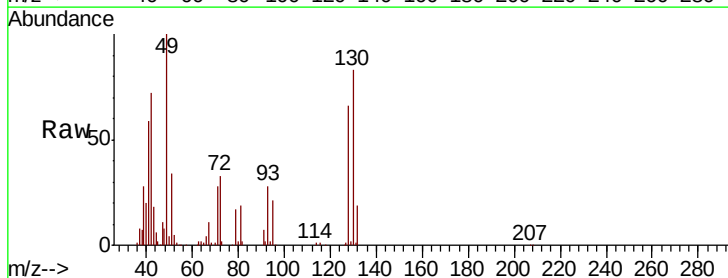
Tot Ion	96	Resp	276951
Ion Ratio	Lower	Upper	
96	100		
61	139.1	0.0	301.4
98	66.0	0.0	133.2

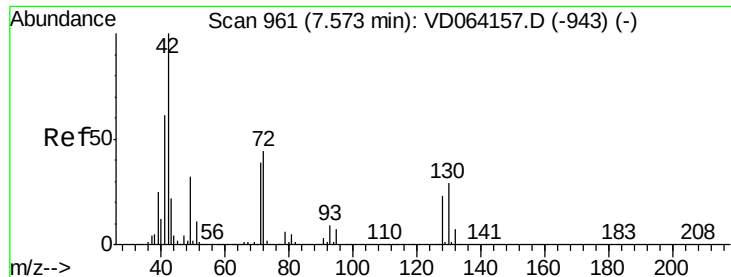


#28

Bromochloromethane
 Concen: 59.924 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Tgt Ion	49	Resp	173395
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	4.4
130	84.4	66.8	100.2

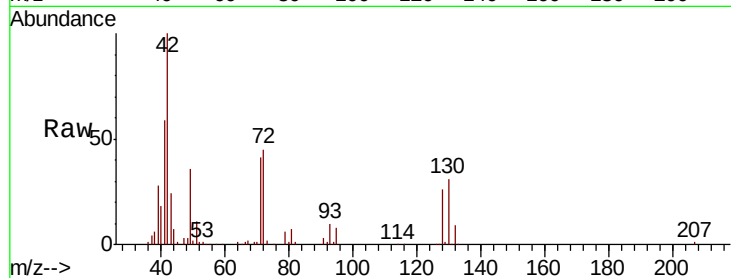




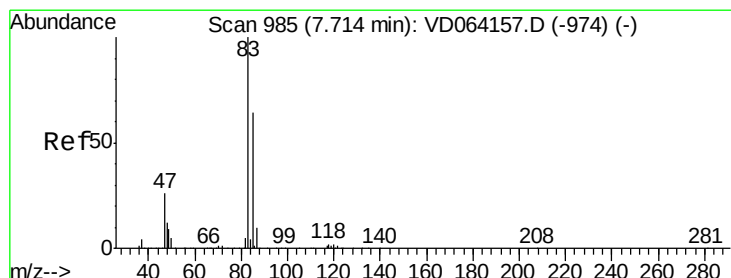
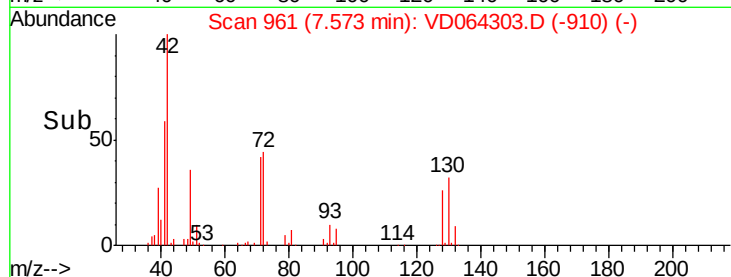
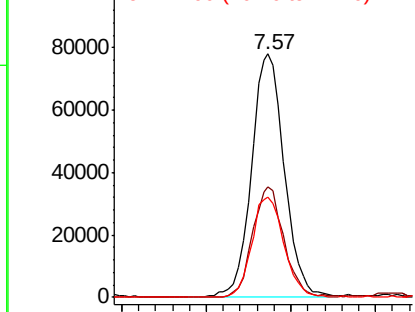
#29
Tetrahydrofuran
Concen: 269.005 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 211262
Ion Ratio Lower Upper
42 100
72 43.6 33.4 50.2
71 40.4 31.0 46.4

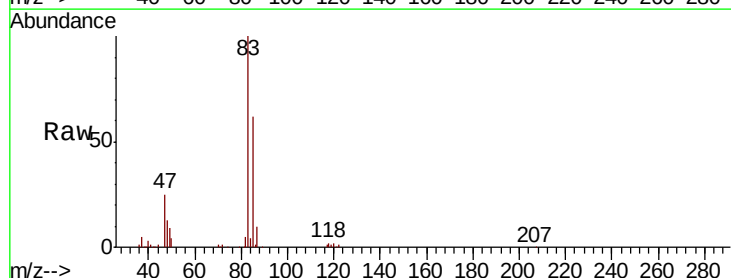


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

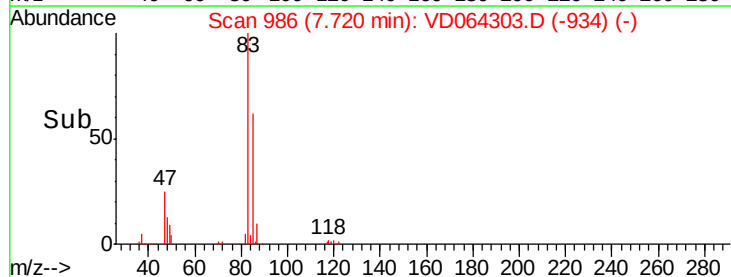
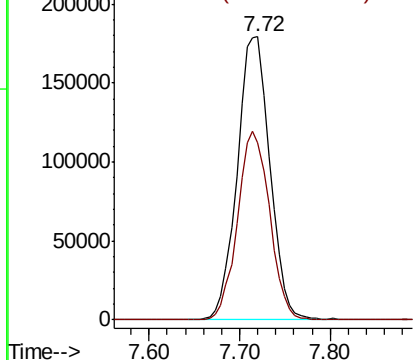


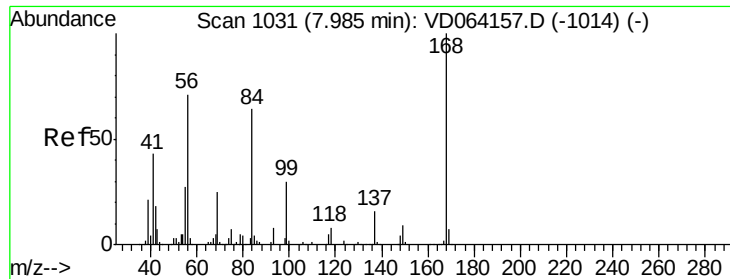
#30
Chloroform
Concen: 53.003 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion: 83 Resp: 450613
Ion Ratio Lower Upper
83 100
85 62.5 51.4 77.0



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

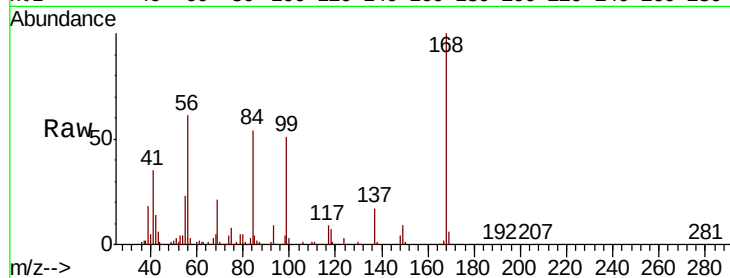




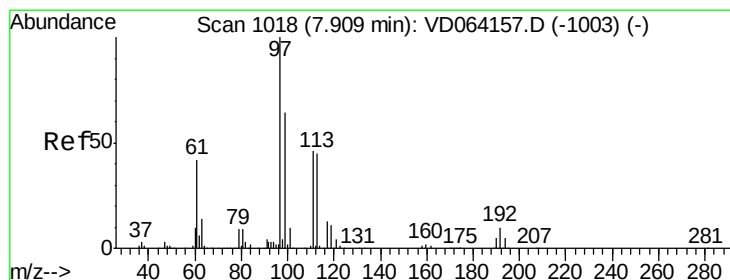
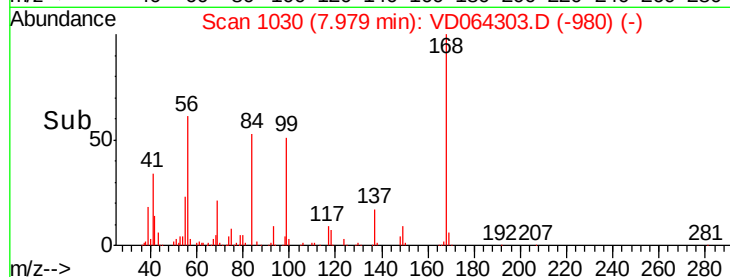
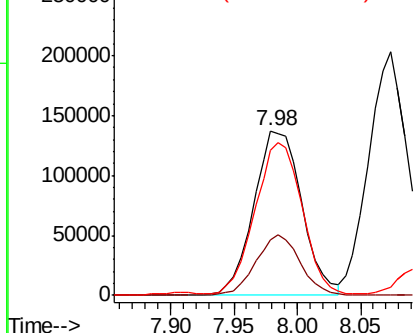
#31
Cyclohexane
Concen: 43.285 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 362819
Ion Ratio Lower Upper
56 100
69 33.6 28.2 42.4
84 86.3 71.8 107.6

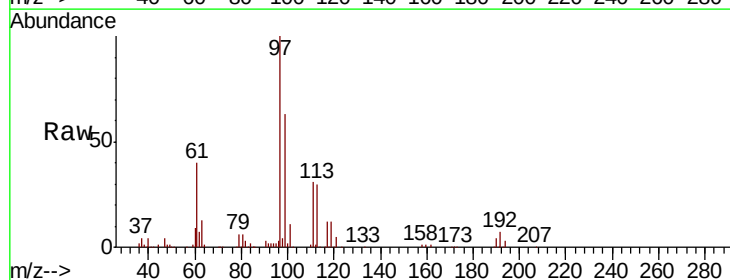


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

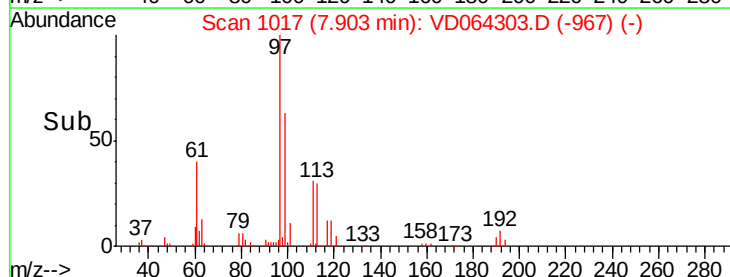
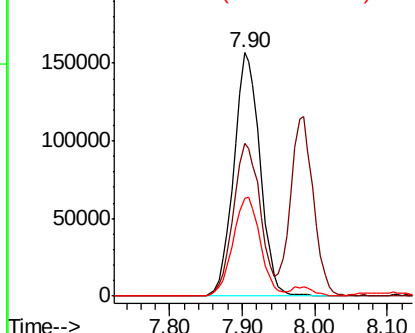


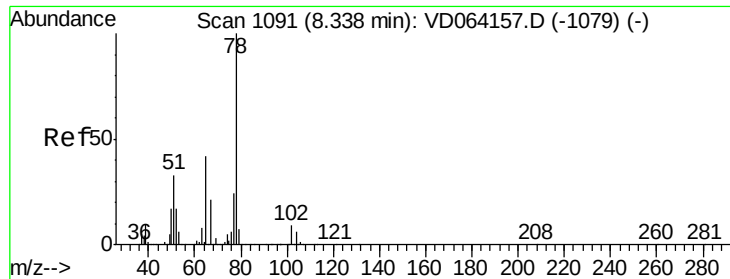
#32
1,1,1-Trichloroethane
Concen: 48.303 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion: 97 Resp: 393216
Ion Ratio Lower Upper
97 100
99 64.4 51.6 77.4
61 42.3 34.2 51.2



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

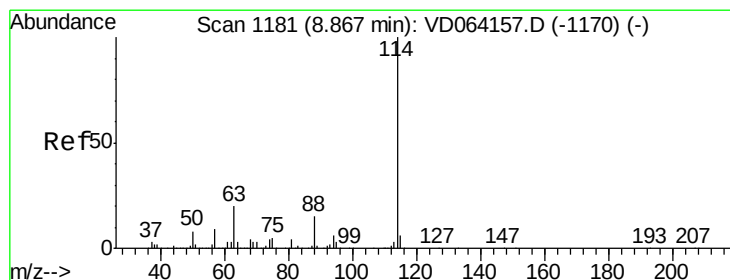
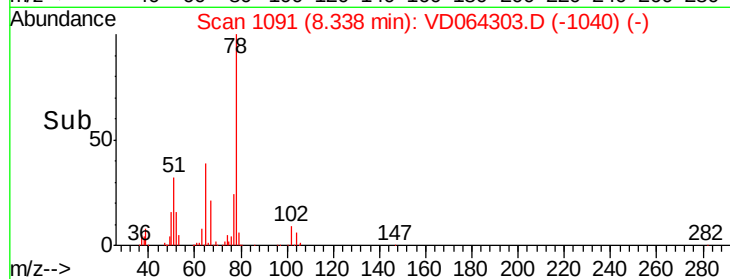
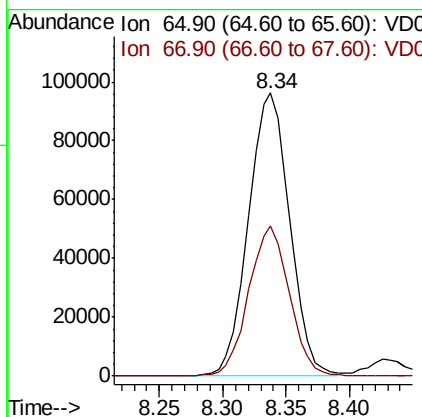
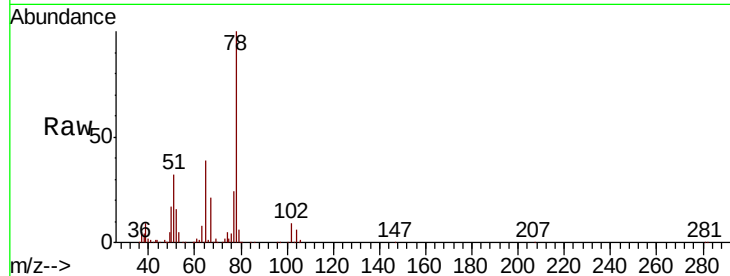




#33
 1,2-Dichloroethane-d4
 Concen: 50.934 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

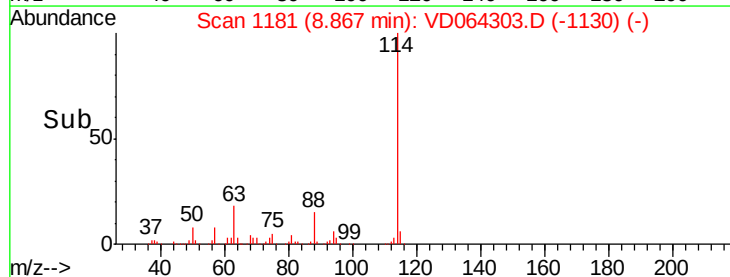
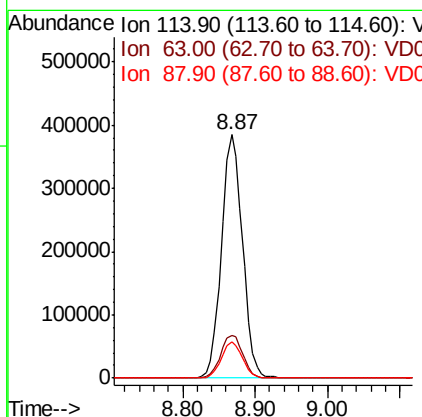
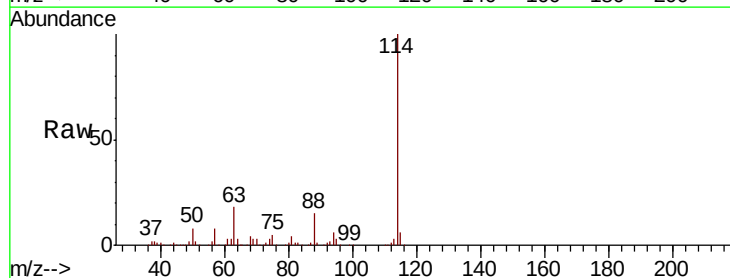
Instrument :
 MSVOA_D
 ClientSampled :

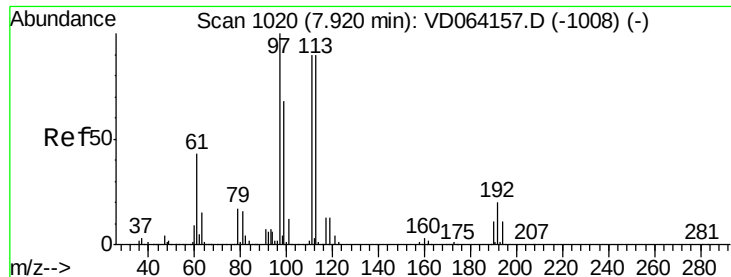
Tot Ion: 65 Resp: 217527
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Tgt Ion: 114 Resp: 775948
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 40.0
 88 14.8 0.0 30.2

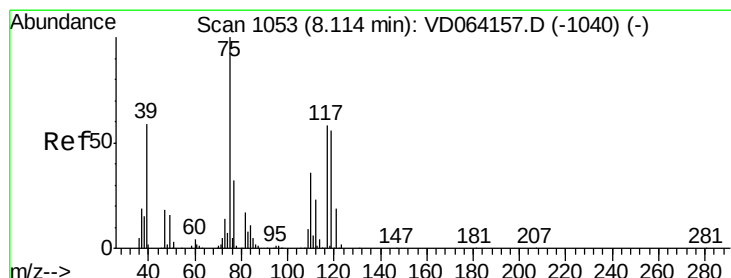
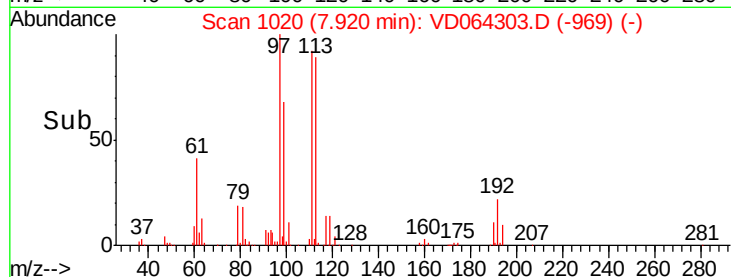
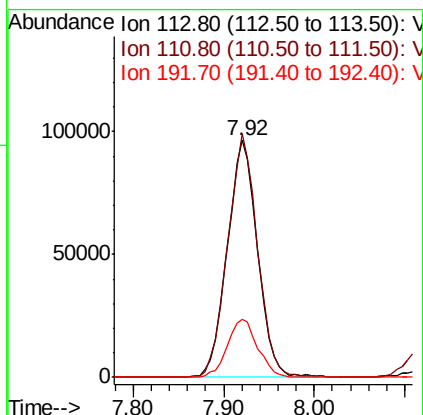
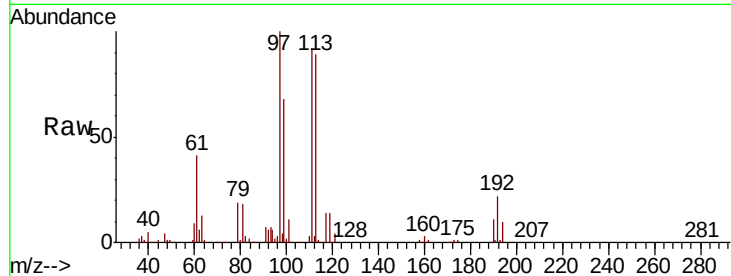




#35
 Dibromofluoromethane
 Concen: 50.247 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

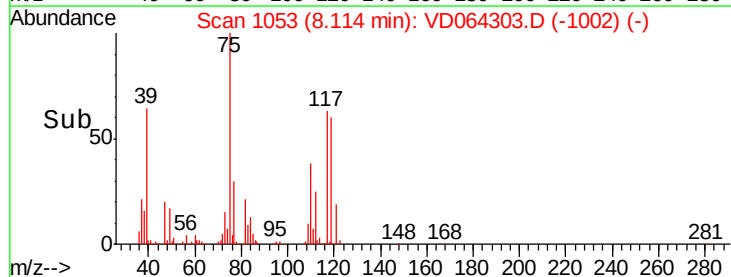
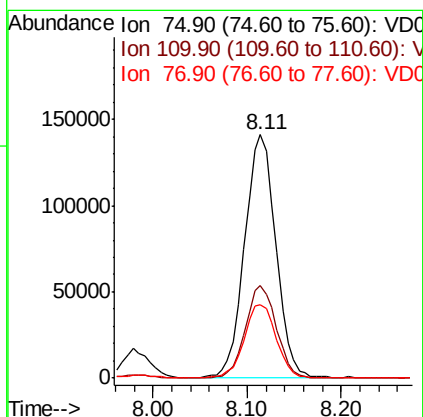
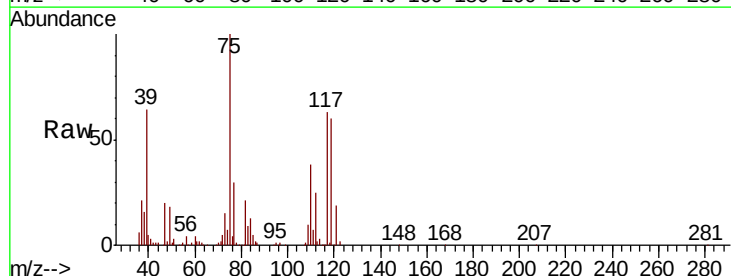
Instrument :
 MSVOA_D
 ClientSampleId :

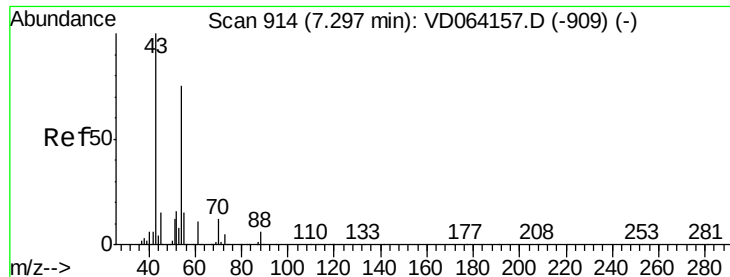
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.5	122.3
192	24.5	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 45.290 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

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

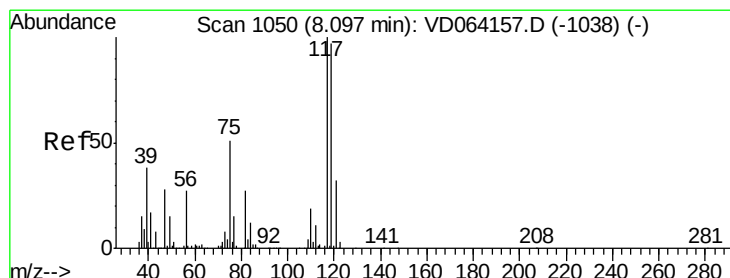
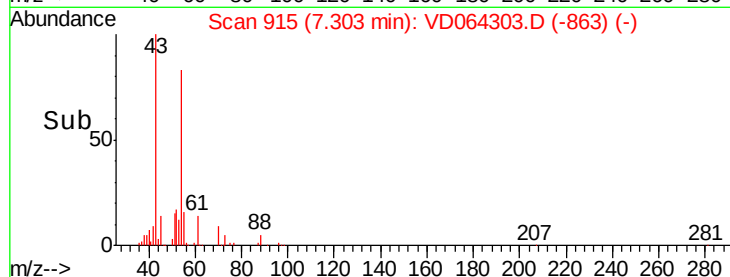
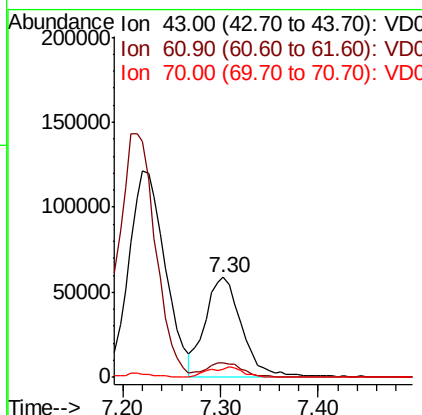
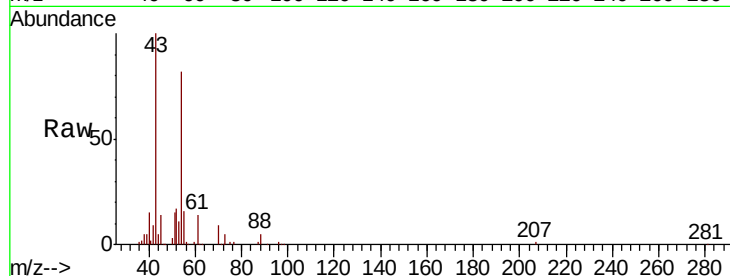




#37
Ethyl Acetate
Concen: 49.554 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

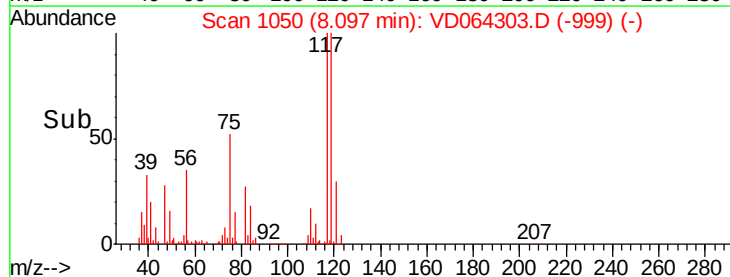
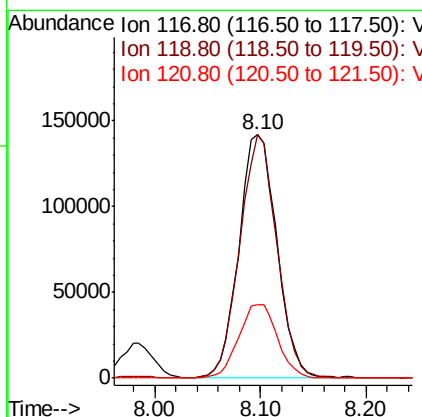
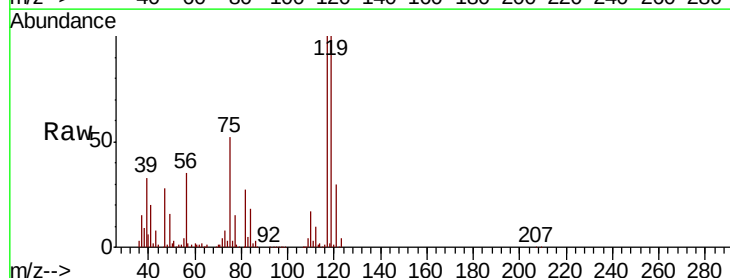
Instrument :
MSVOA_D
ClientSampled :

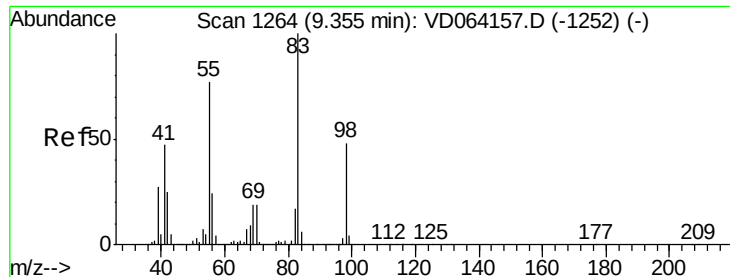
Tot Ion: 43 Resp: 149607
Ion Ratio Lower Upper
43 100
61 14.3 10.2 15.2
70 10.2 8.5 12.7



#38
Carbon Tetrachloride
Concen: 46.108 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion: 117 Resp: 353318
Ion Ratio Lower Upper
117 100
119 100.1 77.2 115.8
121 30.2 25.5 38.3

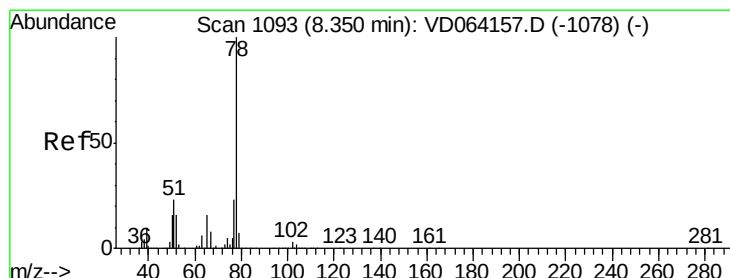
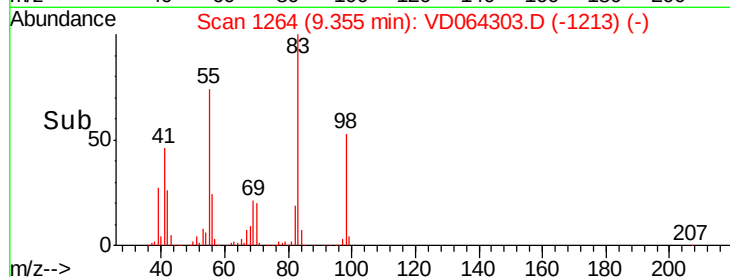
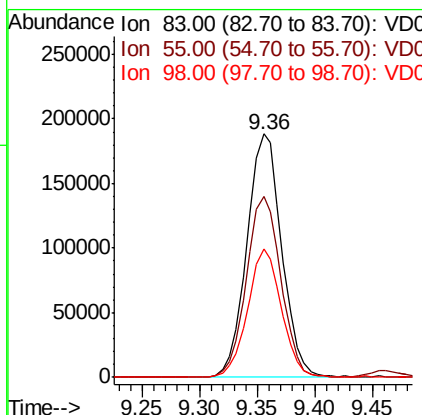
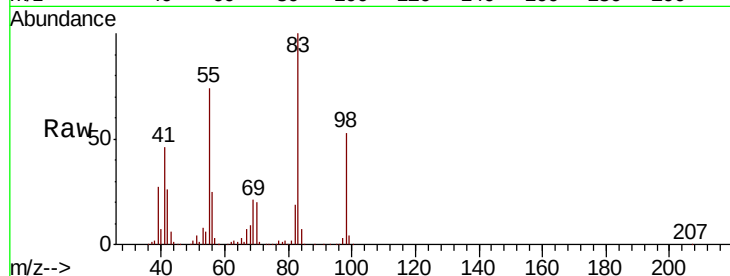




#39
Methylvlcyclohexane
Concen: 43.722 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

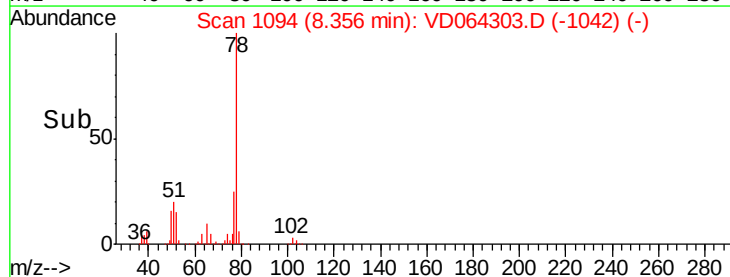
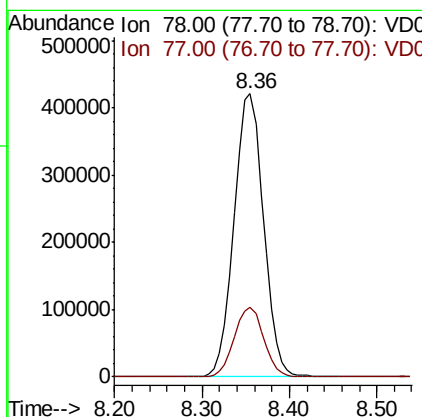
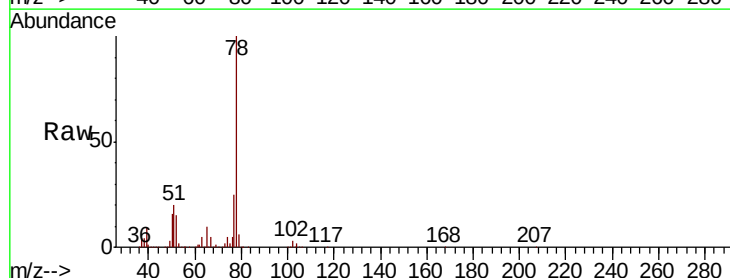
Instrument :
MSVOA_D
ClientSampled :

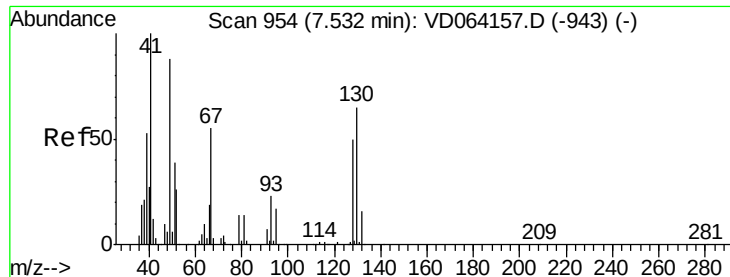
Tot Ion	83	Resp	396197
Ion Ratio	Lower	Upper	
83	100		
55	74.4	61.7	92.5
98	52.8	38.6	58.0



#40
Benzene
Concen: 49.119 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion	78	Resp	961364
Ion Ratio	Lower	Upper	
78	100		
77	24.7	18.6	28.0

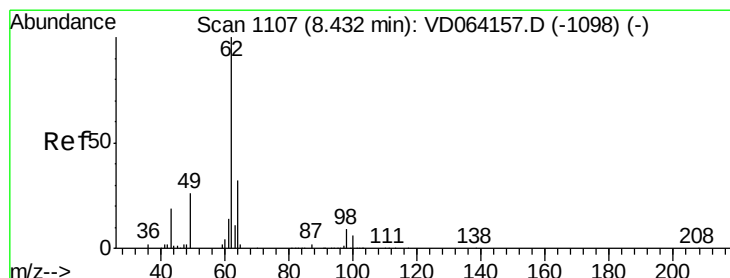
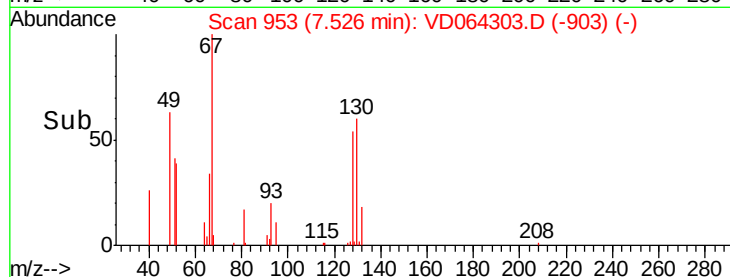
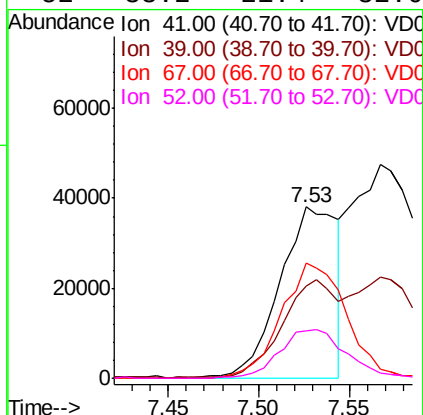
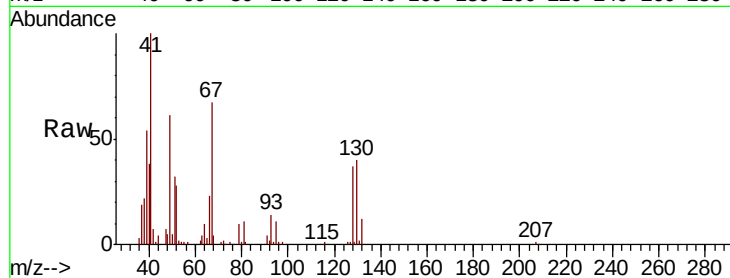




#41
Methacrylonitrile
Concen: 44.657 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

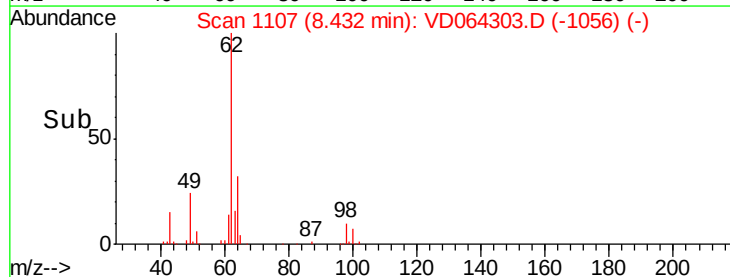
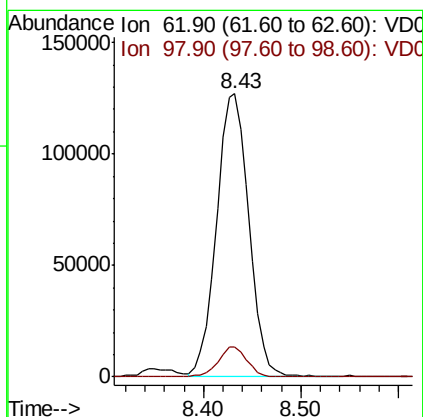
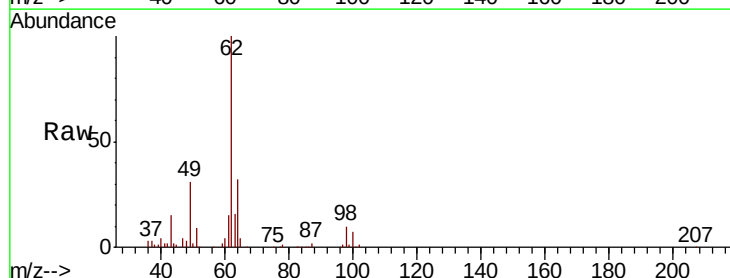
Instrument :
MSVOA_D
ClientSampleId :

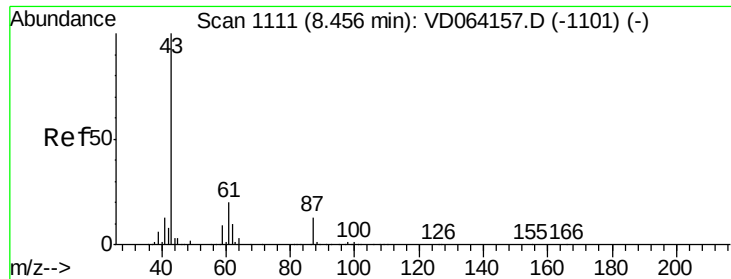
Tot Ion	Ratio	Lower	Upper
41	100		
39	54.4	49.4	74.2
67	75.6	49.6	74.4#
52	33.2	21.4	32.0#



#42
1,2-Dichloroethane
Concen: 49.301 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.0





#43

Isopropyl Acetate

Concen: 47.899 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

ClientSampleId :

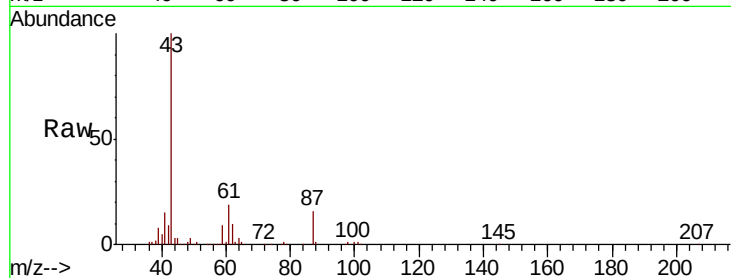
Tot Ion: 43 Resp: 297954

Ion Ratio Lower Upper

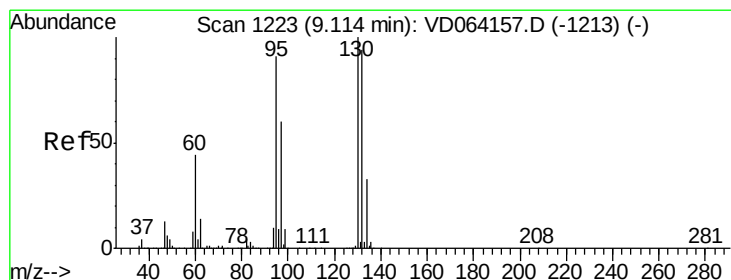
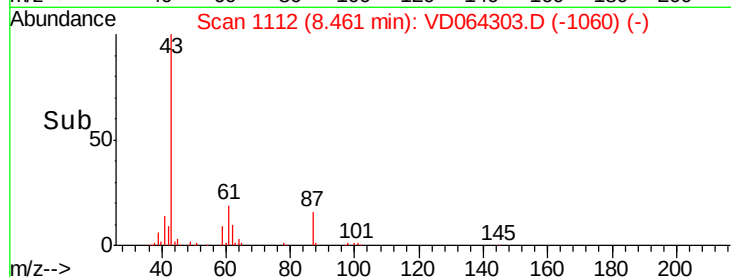
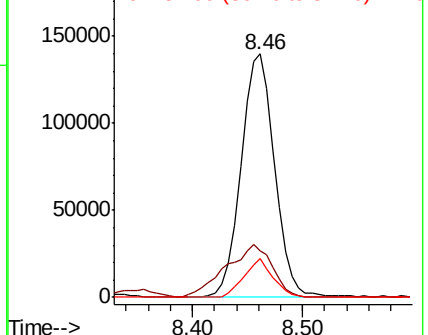
43 100

61 30.0 22.9 34.3

87 13.8 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: 47.866 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064303.D

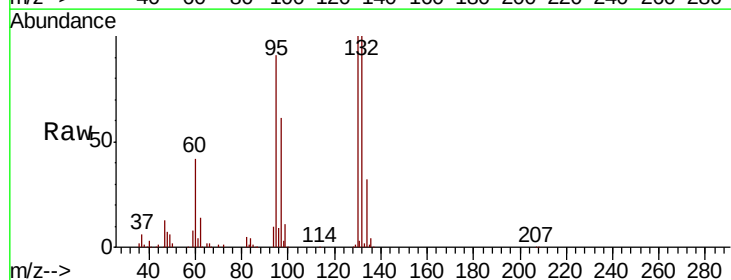
Acq: 19 Nov 2019 21:38

Tgt Ion:130 Resp: 281177

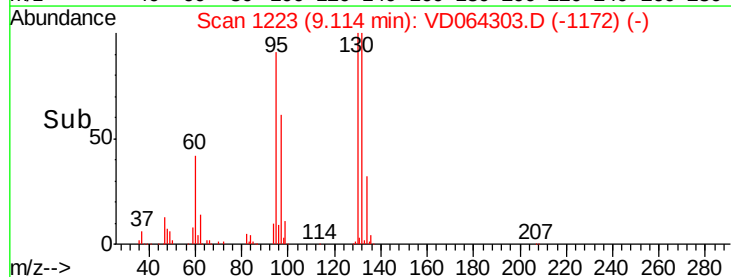
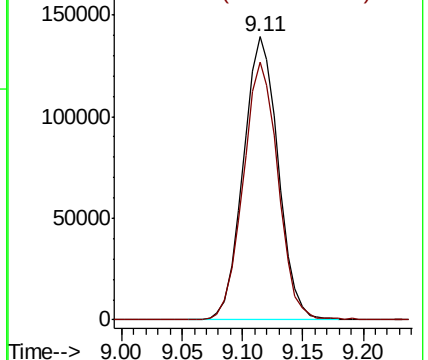
Ion Ratio Lower Upper

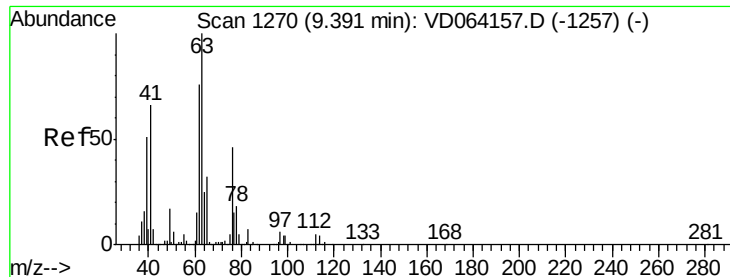
130 100

95 90.9 0.0 181.6



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

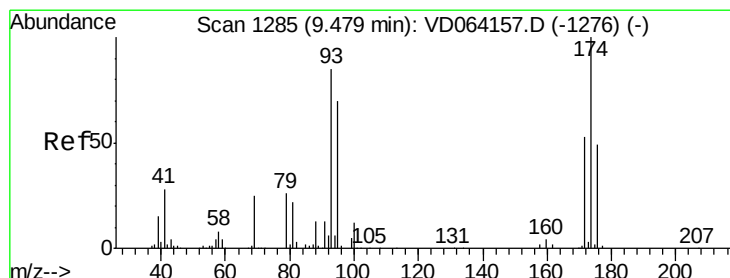
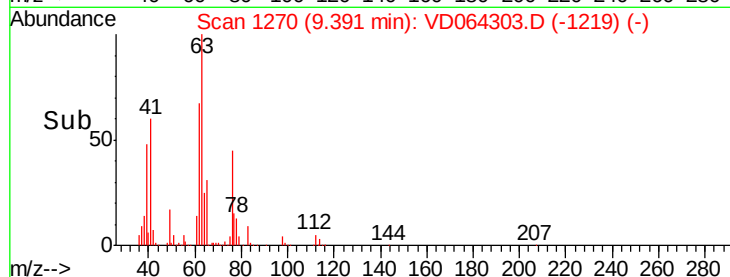
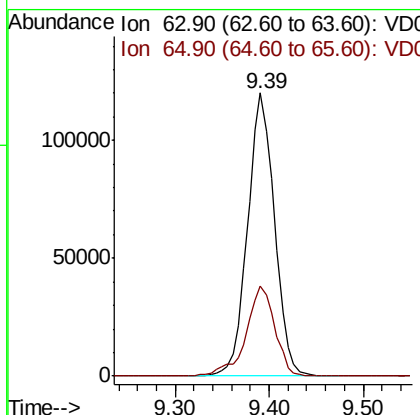
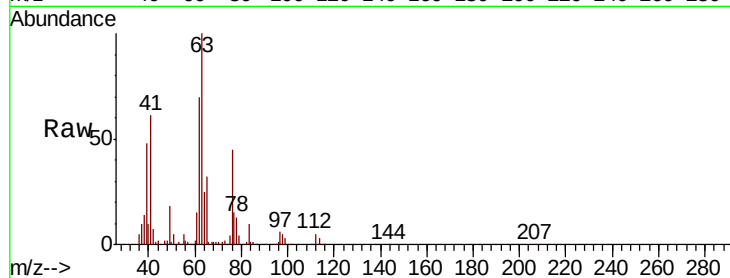




#45
 1,2-Dichloropropane
 Concen: 49.998 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

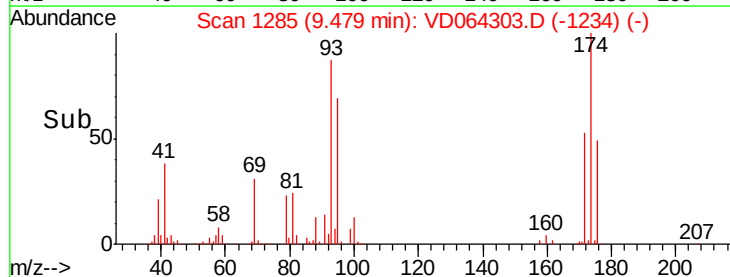
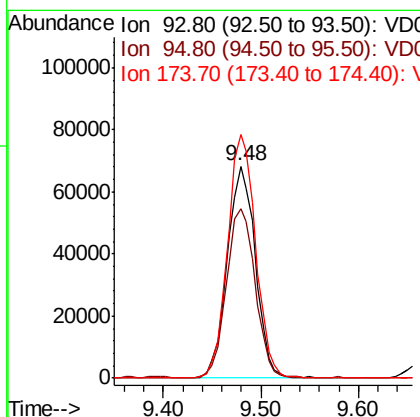
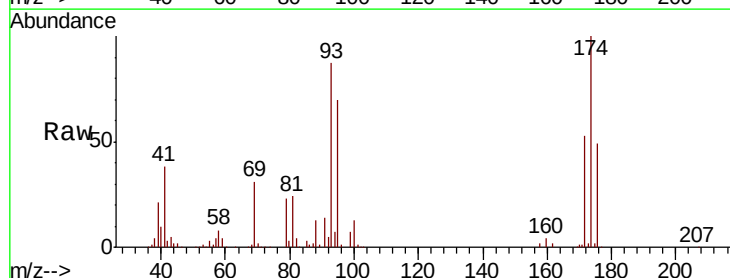
Instrument :
 MSVOA_D
 ClientSampleId :

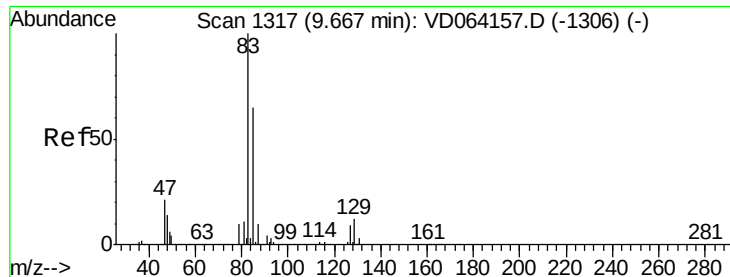
Tot Ion: 63 Resp: 238180
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.7 38.5



#46
 Dibromomethane
 Concen: 53.560 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Tgt Ion: 93 Resp: 136596
 Ion Ratio Lower Upper
 93 100
 95 82.2 65.5 98.3
 174 114.4 93.9 140.9





#47

Bromodichloromethane

Concen: 50.734 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

ClientSampleId :

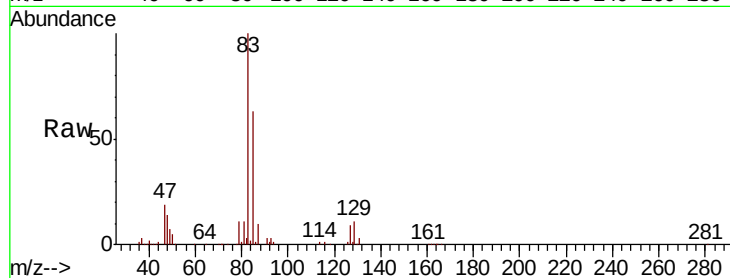
Tot Ion: 83 Resp: 348521

Ion Ratio Lower Upper

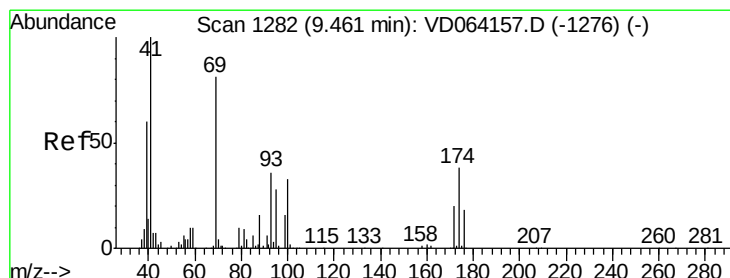
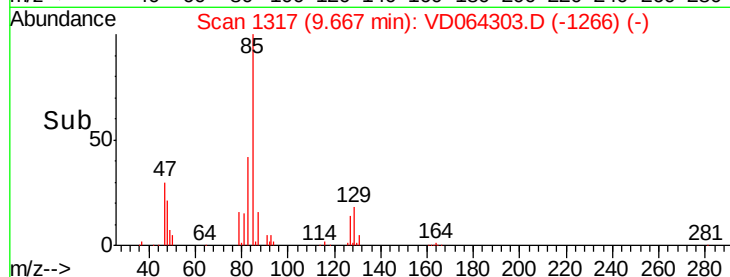
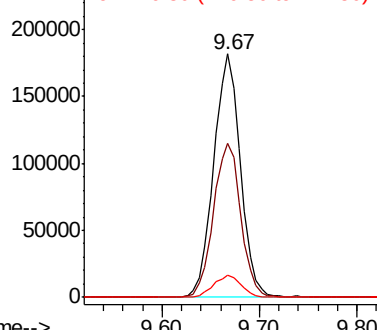
83 100

85 63.2 52.2 78.4

127 8.9 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: 46.412 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

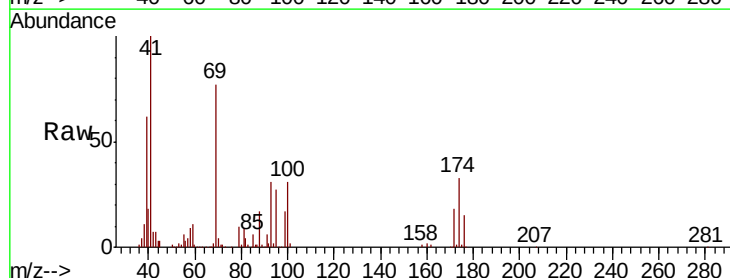
Tgt Ion: 41 Resp: 141171

Ion Ratio Lower Upper

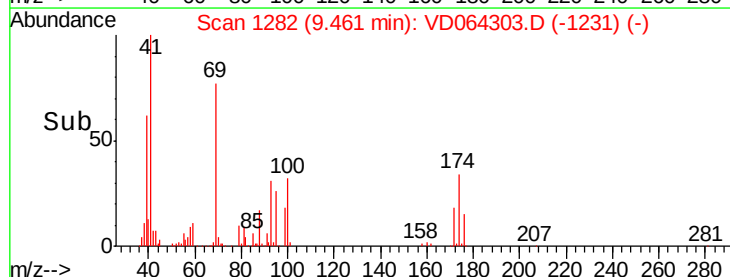
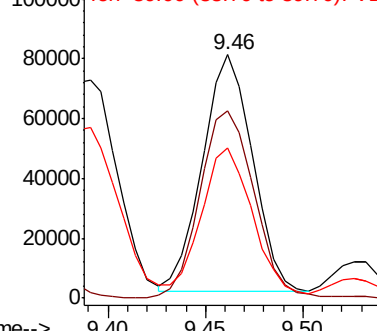
41 100

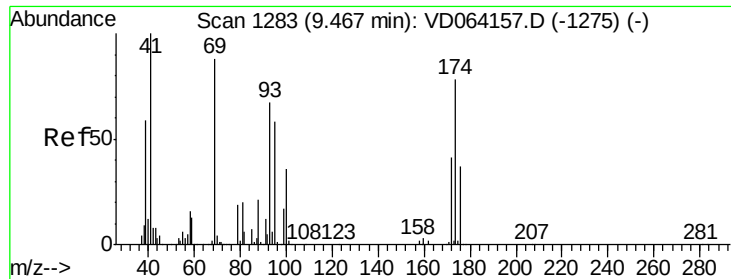
69 84.6 64.6 97.0

39 65.9 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

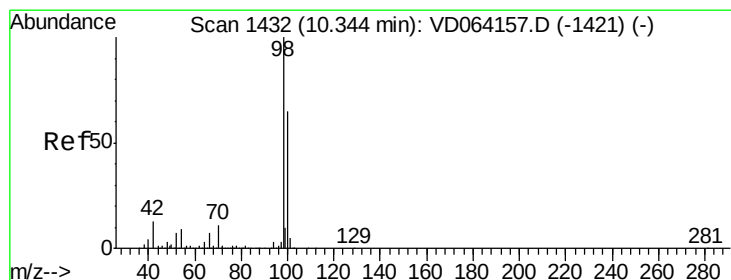
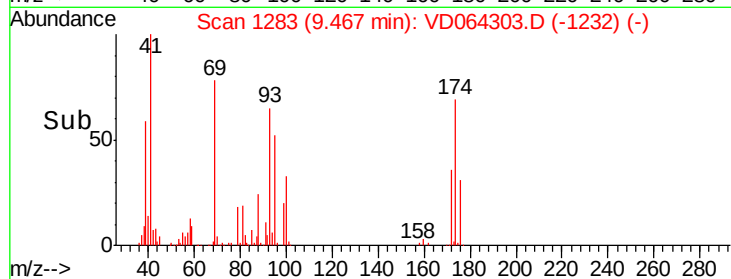
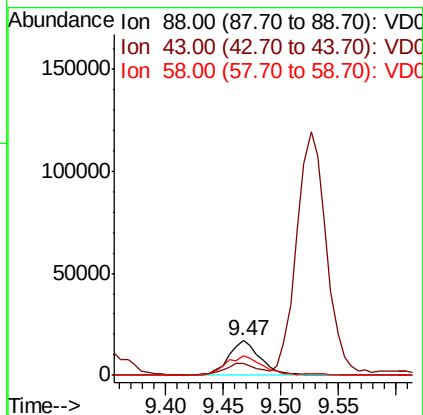
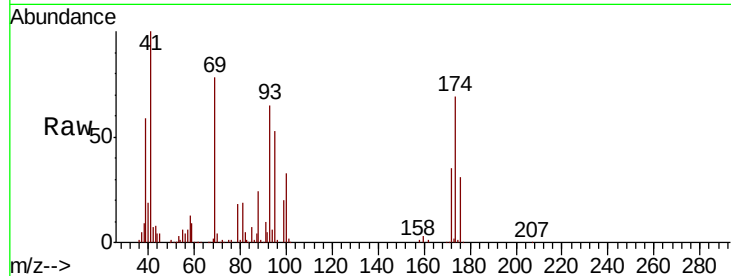




#49
1,4-Dioxane
Concen: 1060.291 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

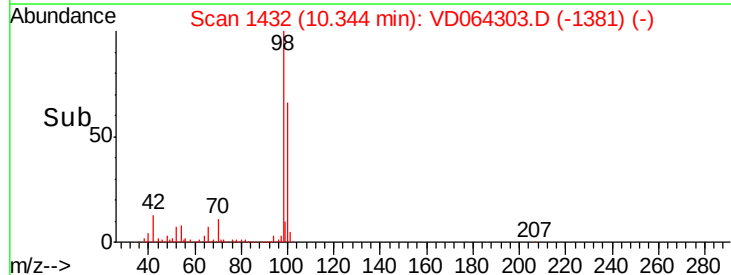
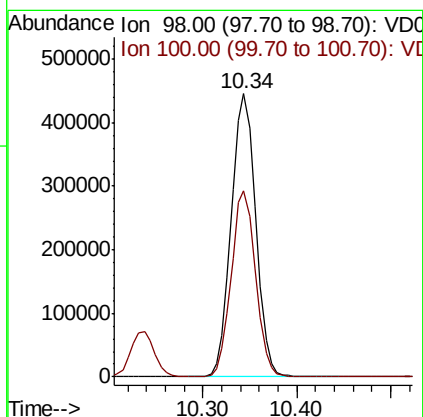
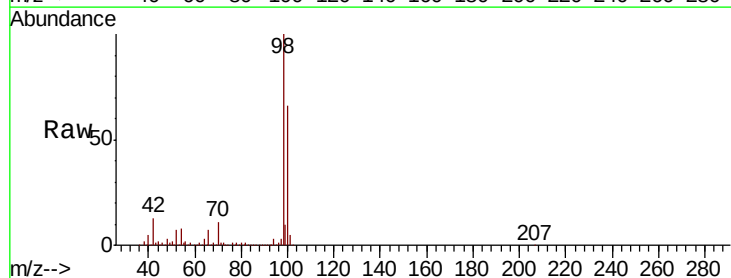
Instrument :
MSVOA_D
ClientSampleId :

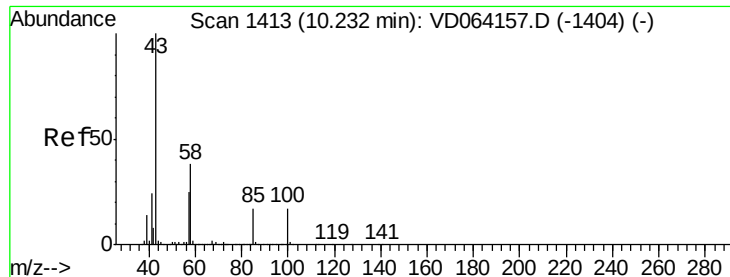
Tot Ion: 88 Resp: 32476
Ion Ratio Lower Upper
88 100
43 34.4 29.8 44.8
58 63.7 58.1 87.1



#50
Toluene-d8
Concen: 48.245 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion: 98 Resp: 810650
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8

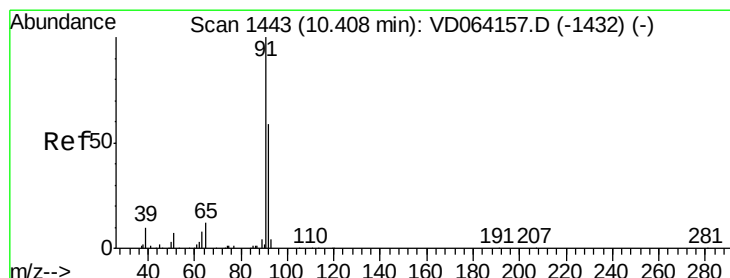
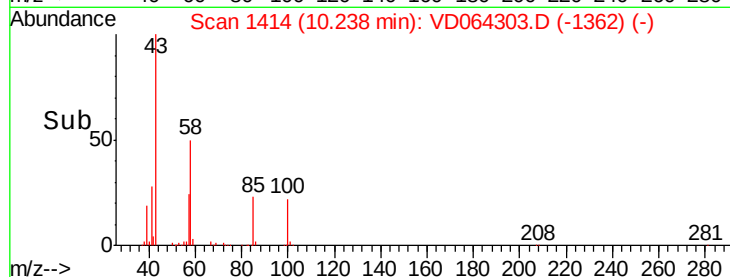
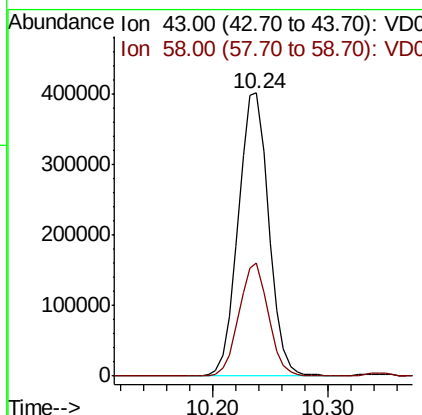
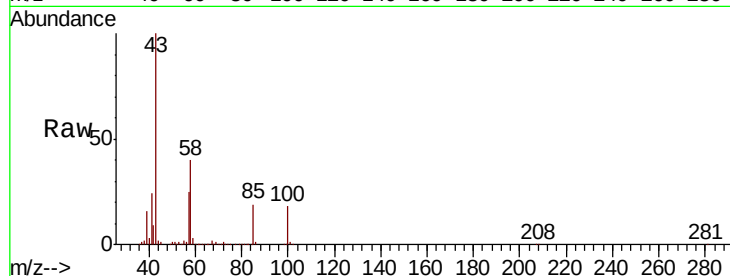




#51
4-Methyl-2-Pentanone
Concen: 248.118 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

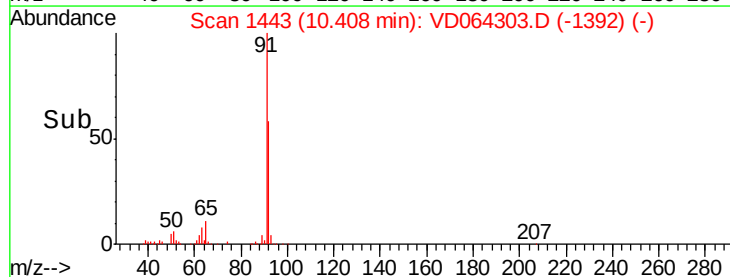
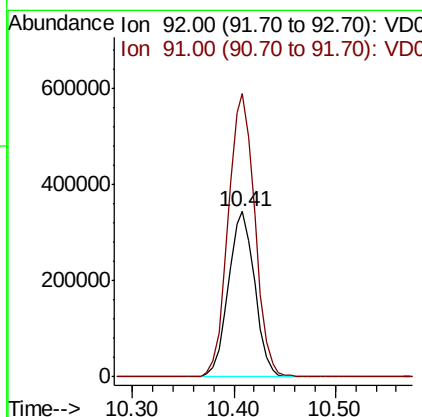
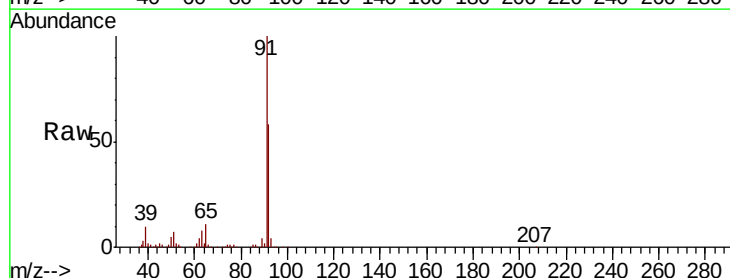
Instrument :
MSVOA_D
ClientSampled :

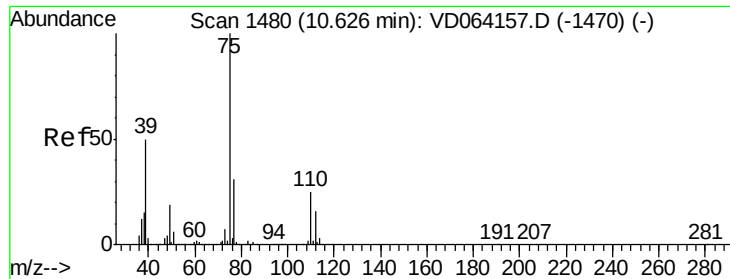
Tot Ion: 43 Resp: 740132
Ion Ratio Lower Upper
43 100
58 38.4 30.2 45.4



#52
Toluene
Concen: 47.922 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion: 92 Resp: 616751
Ion Ratio Lower Upper
92 100
91 173.7 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 48.400 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

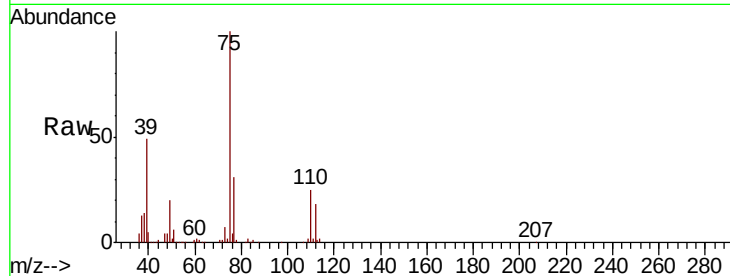
ClientSampleId :

Tot Ion: 75 Resp: 333097

Ion Ratio Lower Upper

75 100

77 31.0 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

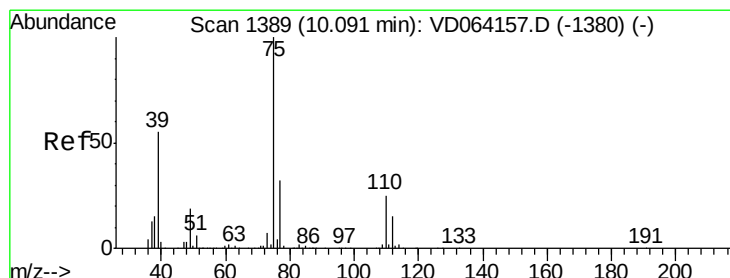
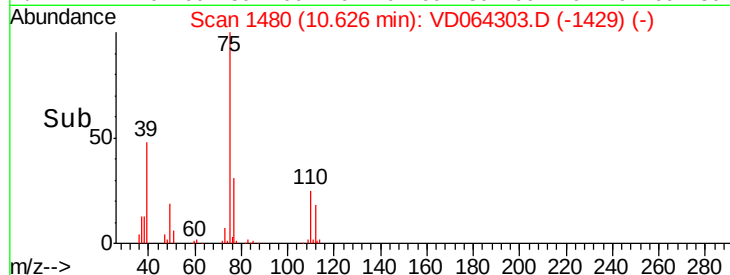
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.511 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

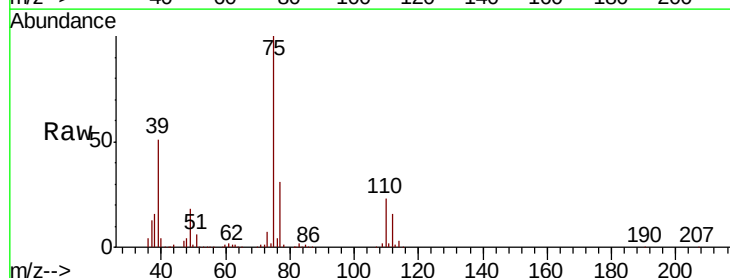
Tgt Ion: 75 Resp: 389592

Ion Ratio Lower Upper

75 100

77 31.0 25.2 37.8

39 51.1 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

250000

200000

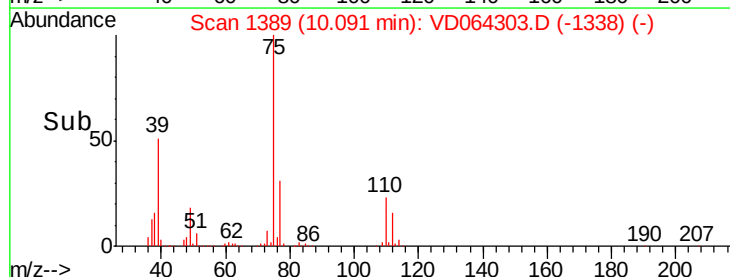
150000

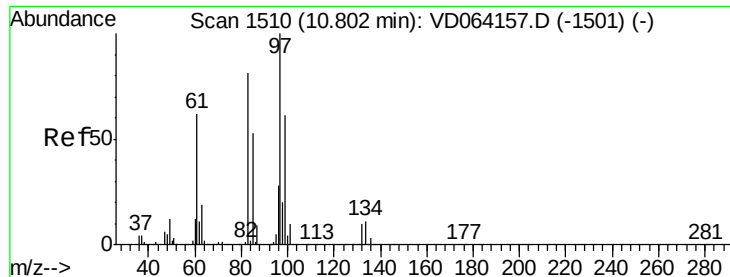
100000

50000

0

Time-->

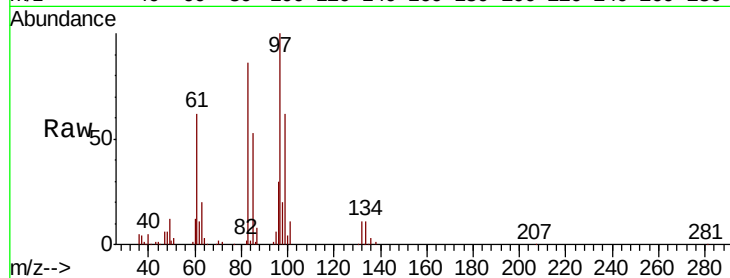




#55
 1,1,2-Trichloroethane
 Concen: 52.837 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	182800
Ion	Ratio	Lower	Upper
97	100		
83	85.9	65.1	97.7
85	52.6	42.0	63.0
99	61.8	48.9	73.3



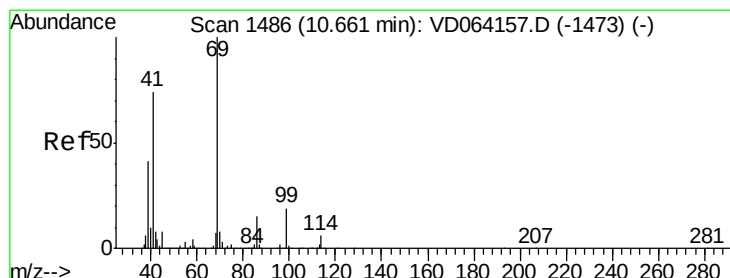
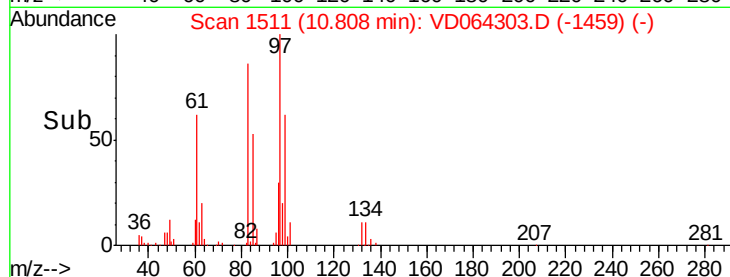
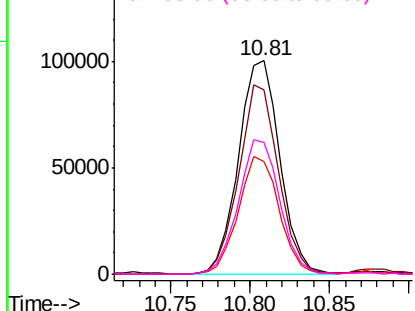
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

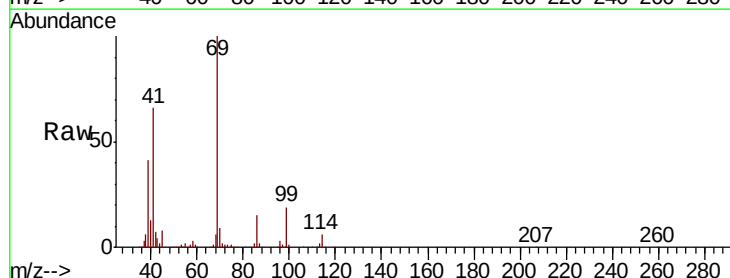
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 49.936 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Tgt Ion:	69	Resp:	241672
Ion	Ratio	Lower	Upper
69	100		
41	68.0	57.9	86.9
39	38.5	29.0	43.4

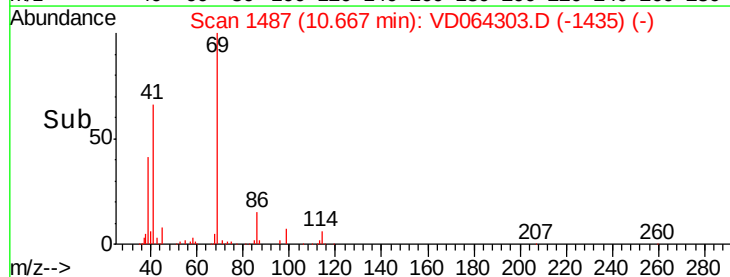
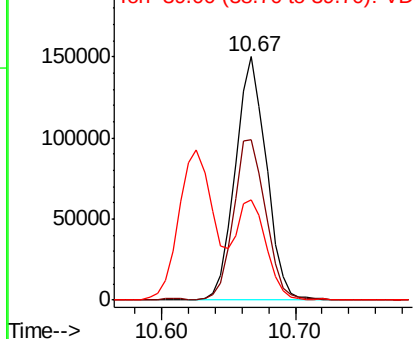


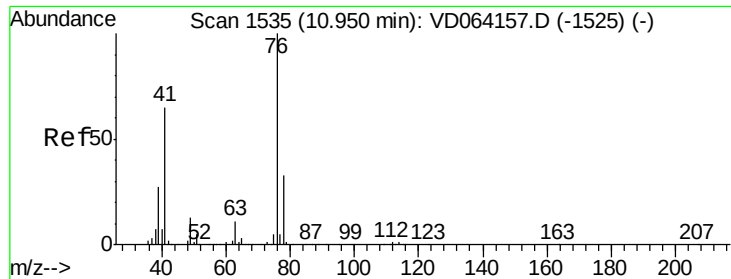
Abundance

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

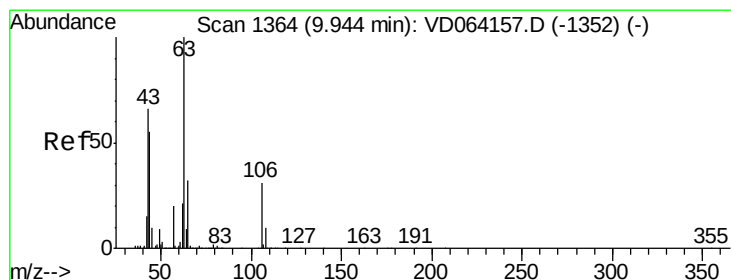
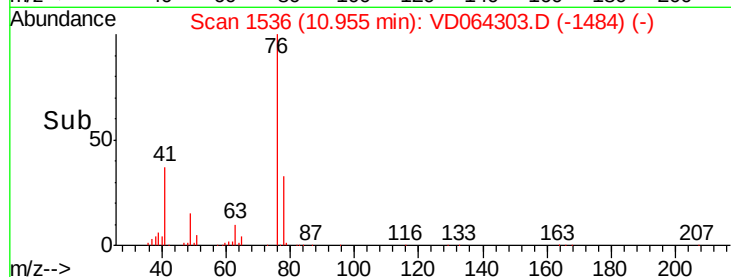
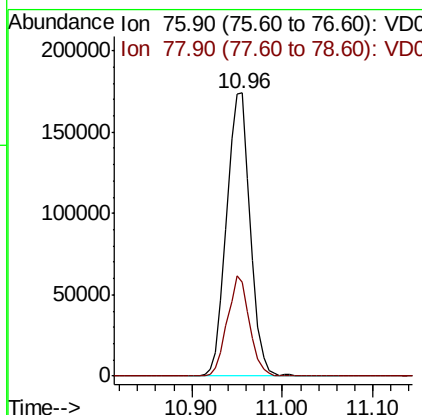
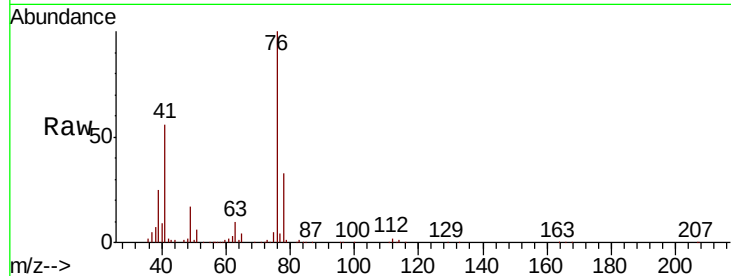




#57
 1,3-Dichloropropane
 Concen: 52.336 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

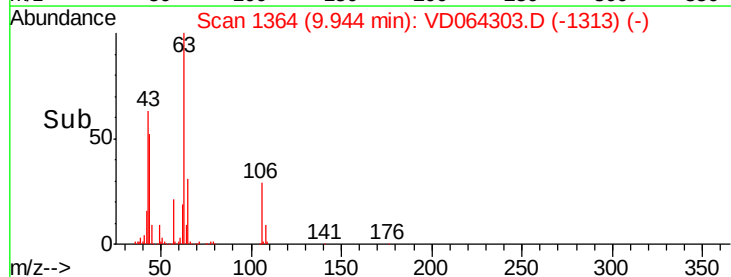
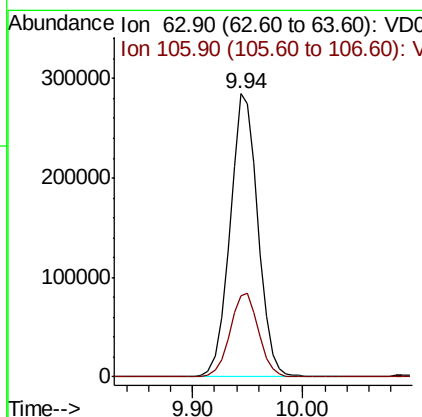
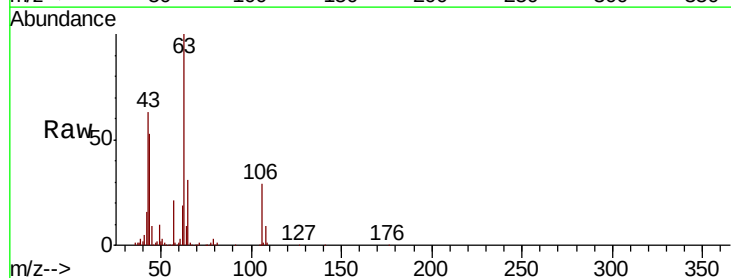
Instrument :
 MSVOA_D
 ClientSampled :

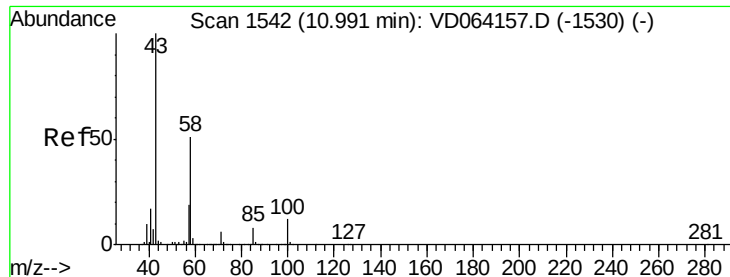
Tot Ion: 76 Resp: 315785
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 256.200 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Tgt Ion: 63 Resp: 502262
 Ion Ratio Lower Upper
 63 100
 106 30.5 24.1 36.1

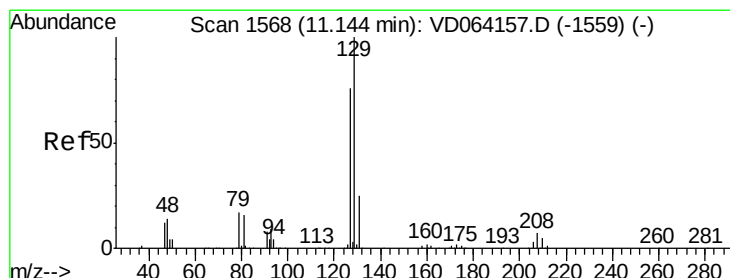
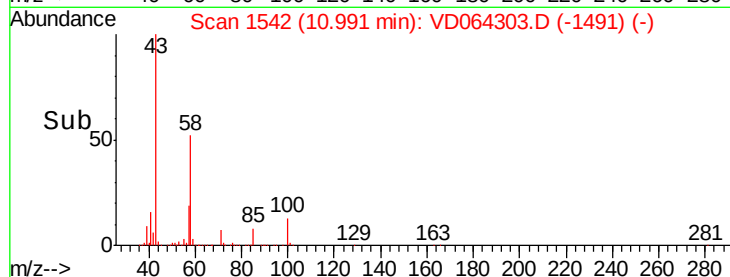
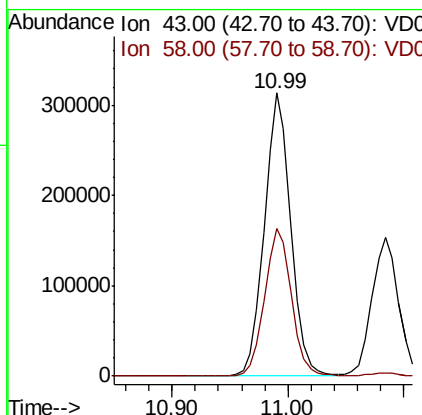
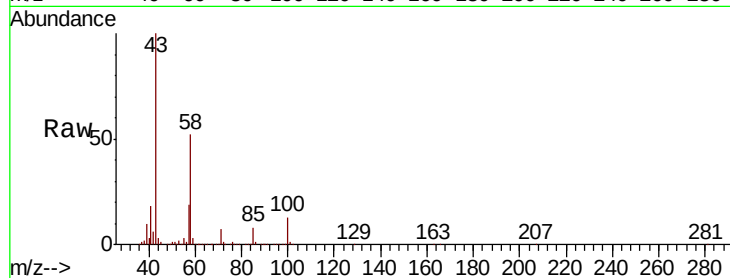




#59
2-Hexanone
Concen: 235.497 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

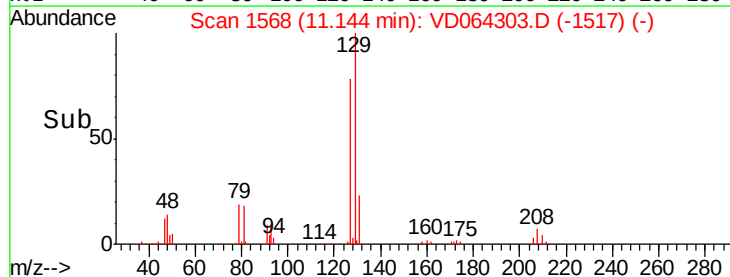
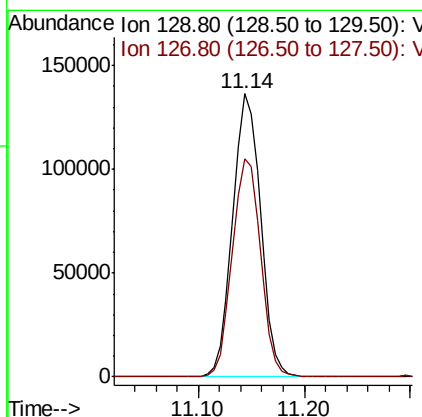
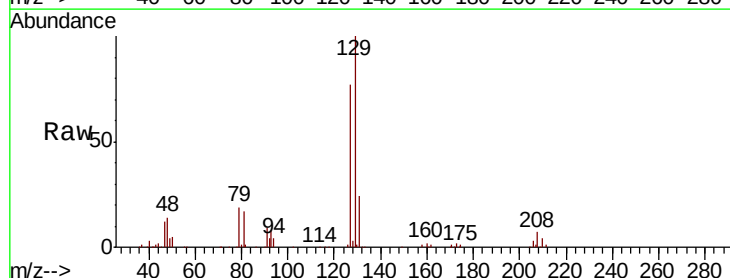
Instrument :
MSVOA_D
ClientSampleId :

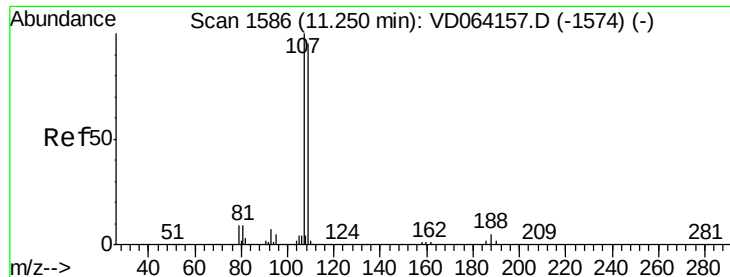
Tot Ion: 43 Resp: 499779
Ion Ratio Lower Upper
43 100
58 52.9 25.9 77.7



#60
Dibromochloromethane
Concen: 51.778 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion: 129 Resp: 249959
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.8

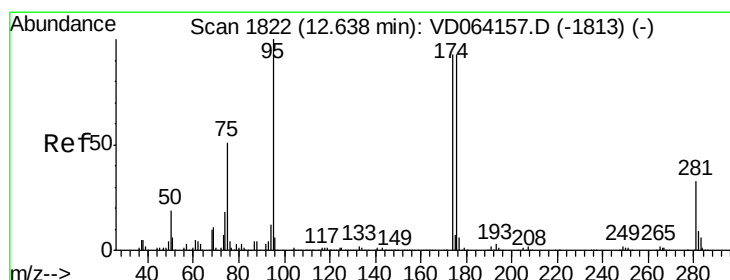
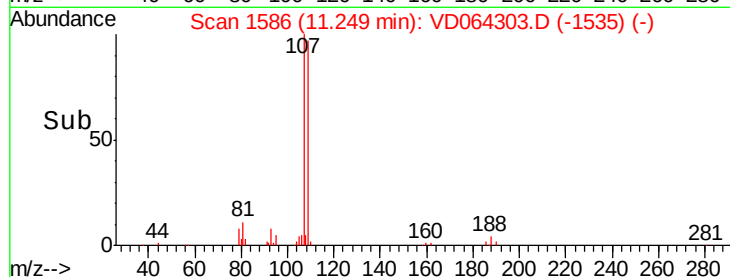
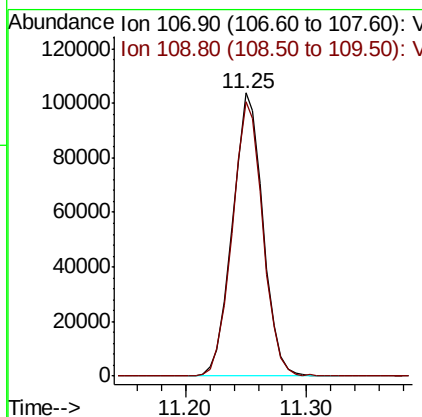
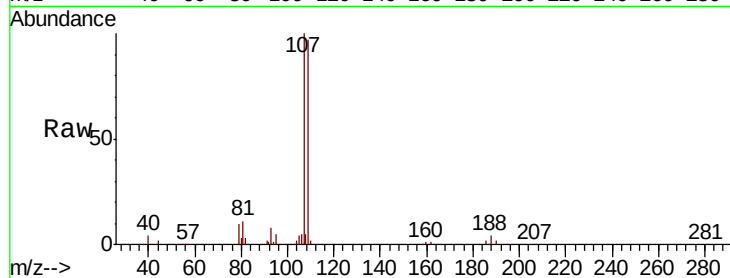




#61
 1,2-Dibromoethane
 Concen: 52.558 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

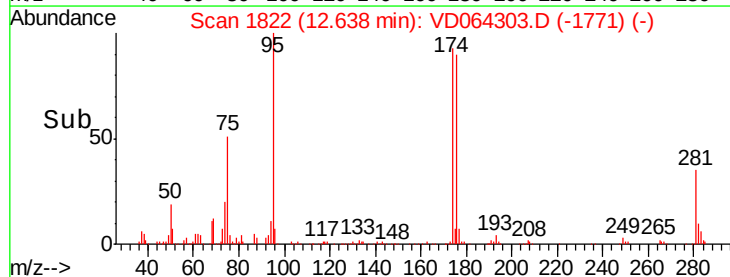
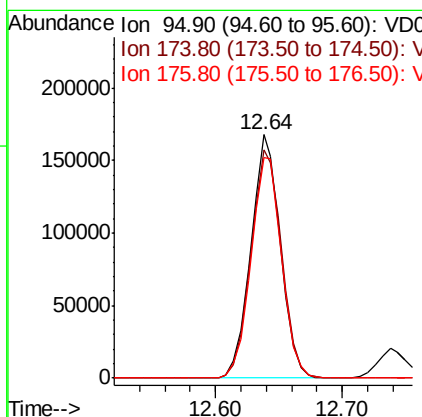
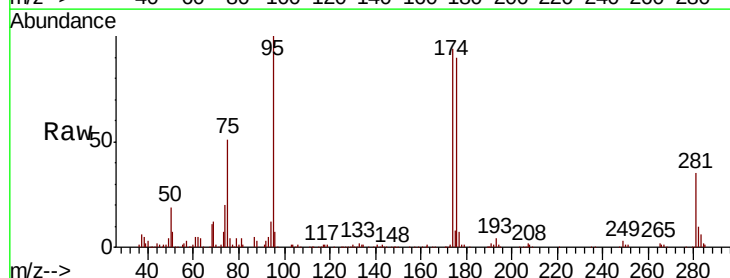
Instrument :
 MSVOA_D
 ClientSampleId :

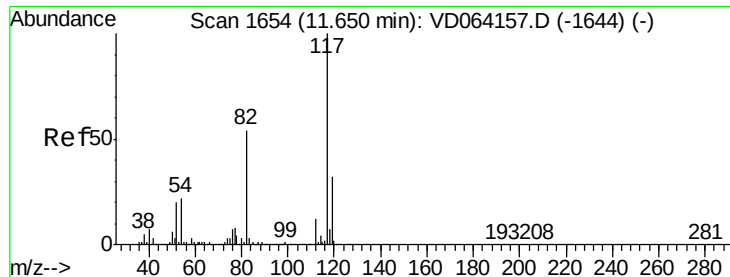
Tot Ion: 107 Resp: 182125
 Ion Ratio Lower Upper
 107 100
 109 96.9 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 46.426 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Tgt Ion: 95 Resp: 270144
 Ion Ratio Lower Upper
 95 100
 174 97.5 0.0 183.6
 176 94.3 0.0 180.2

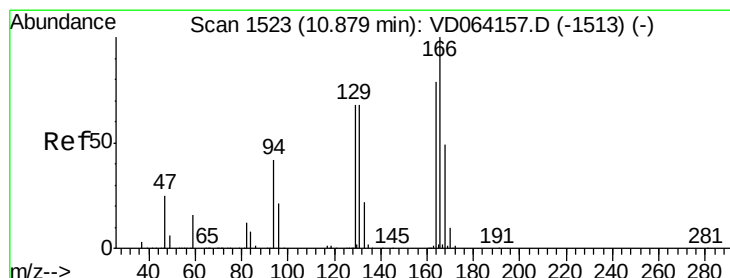
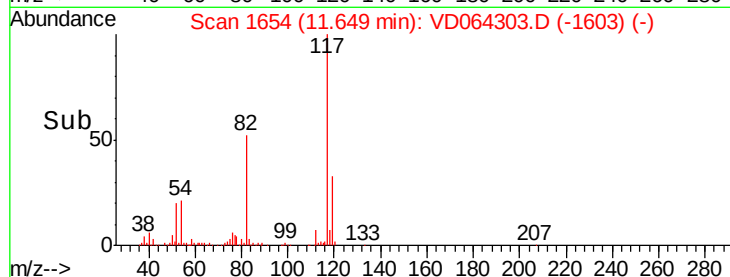
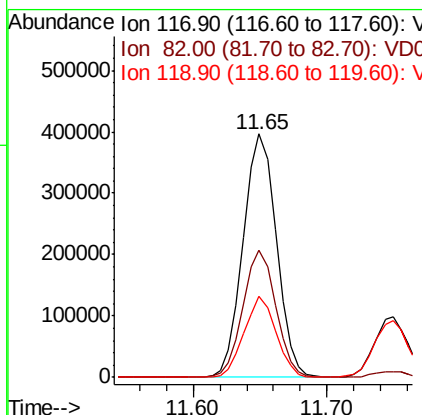
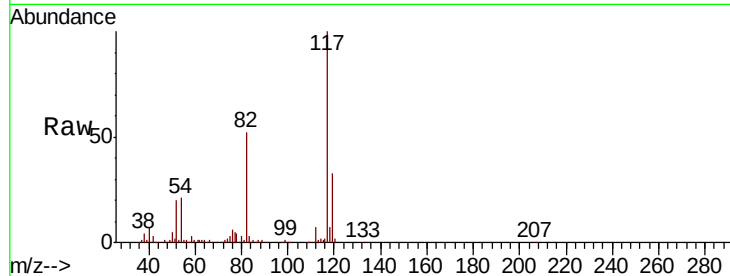




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

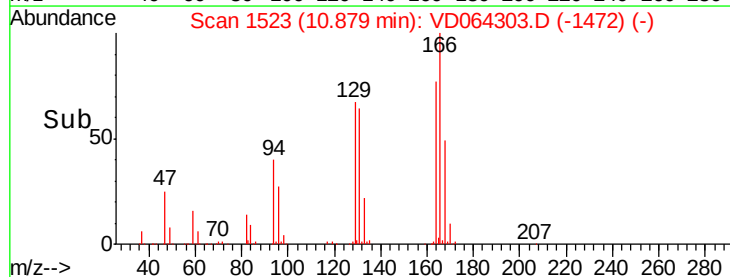
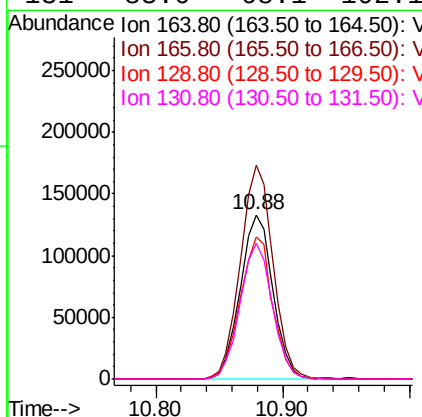
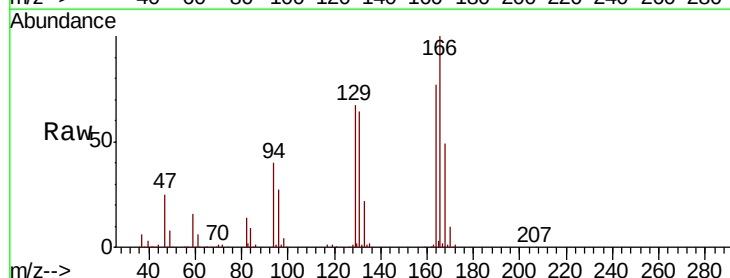
Instrument :
MSVOA_D
ClientSampled :

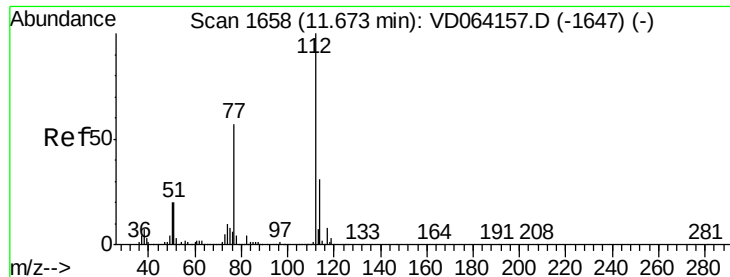
Tot Ion:117 Resp: 686321
Ion Ratio Lower Upper
117 100
82 52.5 42.8 64.2
119 33.5 25.6 38.4



#64
Tetrachloroethene
Concen: 45.018 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion:164 Resp: 237627
Ion Ratio Lower Upper
164 100
166 130.3 100.8 151.2
129 86.7 68.7 103.1
131 83.0 68.1 102.1

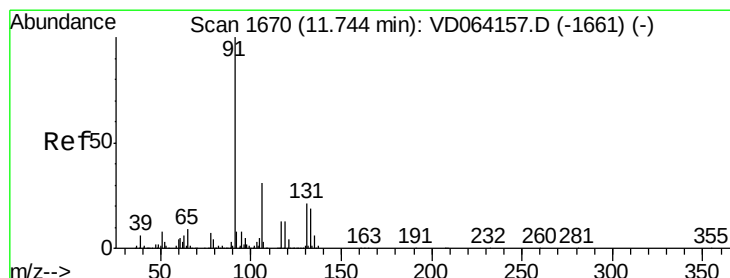
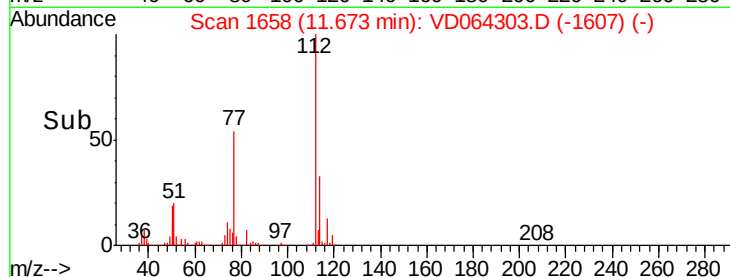
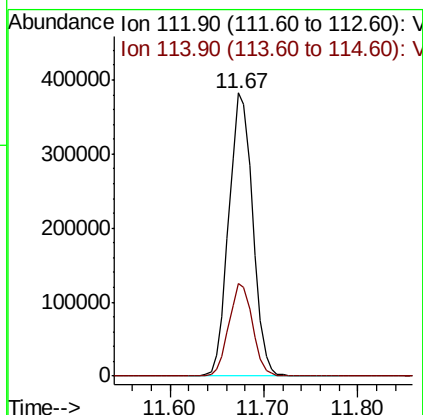
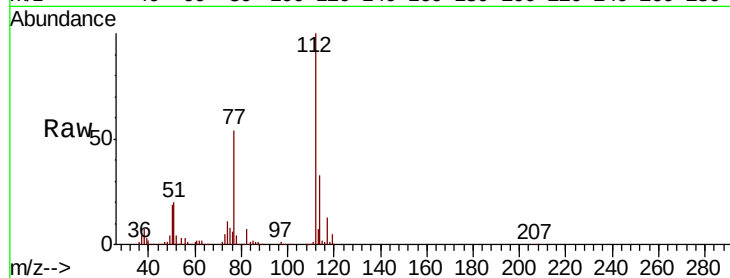




#65
Chlorobenzene
Concen: 48.409 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

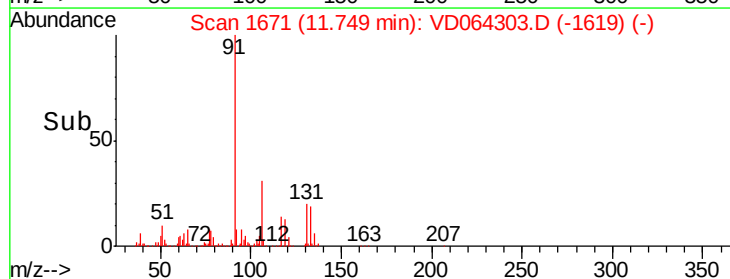
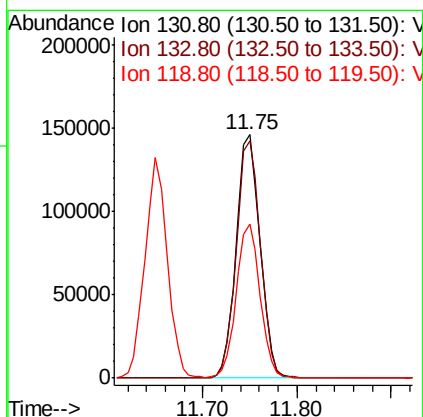
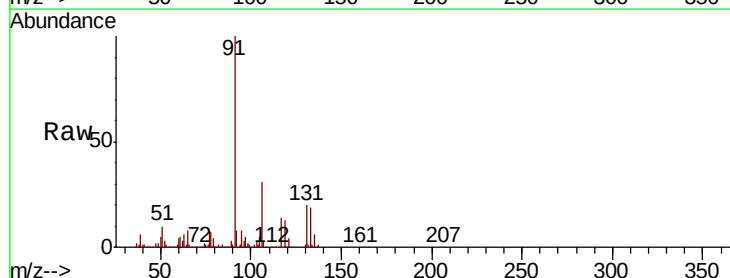
Instrument :
MSVOA_D
ClientSampled :

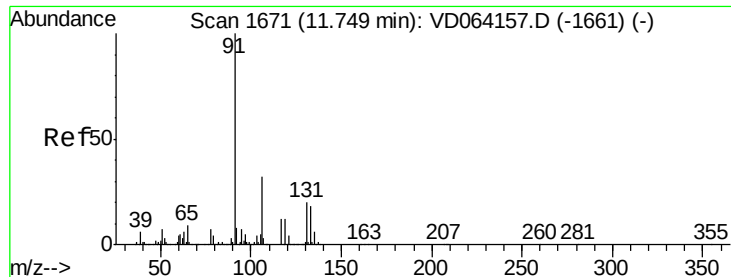
Tot Ion:112 Resp: 675618
Ion Ratio Lower Upper
112 100
114 32.5 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 48.629 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion:131 Resp: 258062
Ion Ratio Lower Upper
131 100
133 98.4 47.3 141.9
119 62.9 31.1 93.3





#67

Ethyl Benzene

Concen: 46.873 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

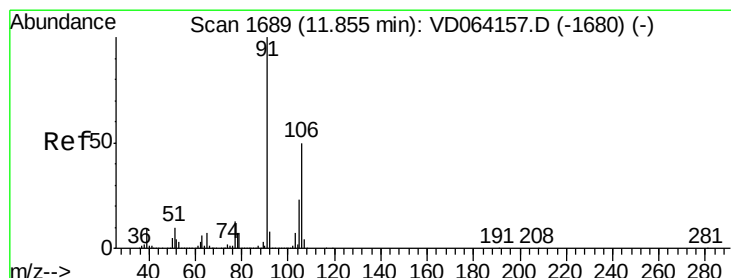
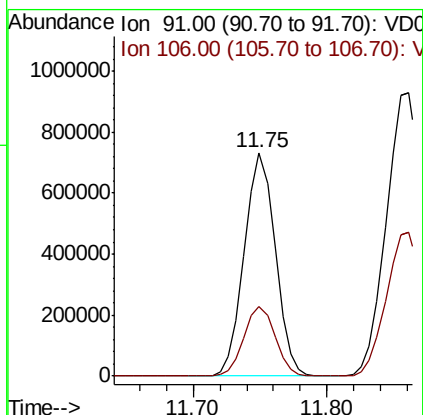
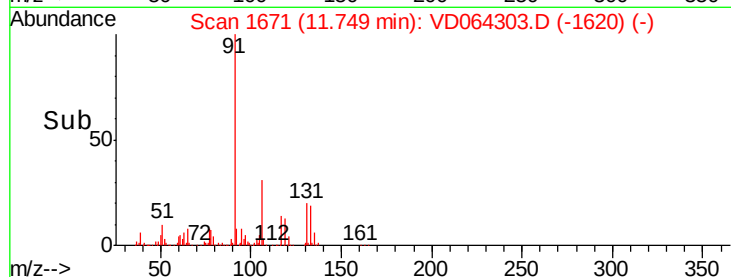
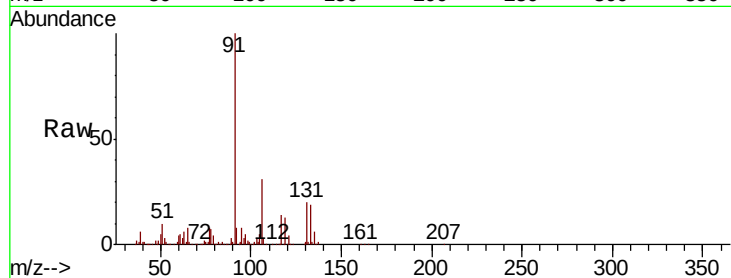
ClientSampleId :

Tot Ion: 91 Resp: 1183288

Ion Ratio Lower Upper

91 100

106 31.3 25.5 38.3



#68

m/p-Xylenes

Concen: 94.373 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD064303.D

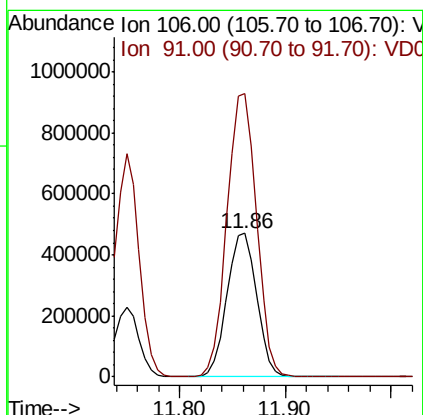
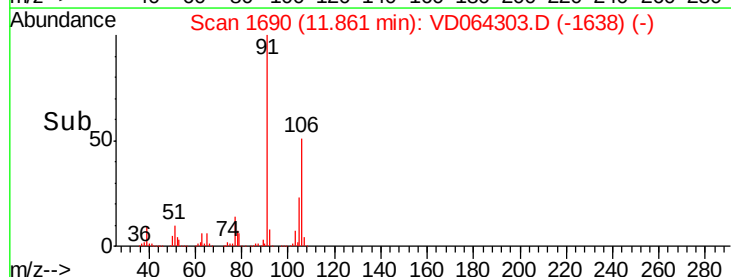
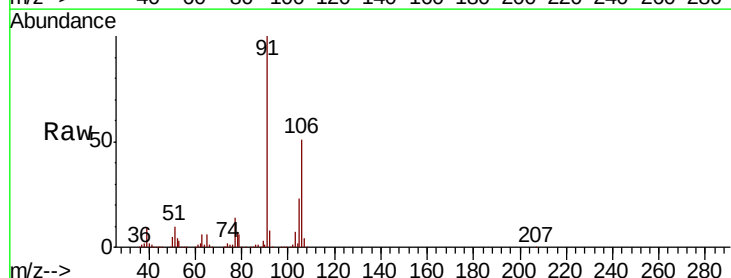
Acq: 19 Nov 2019 21:38

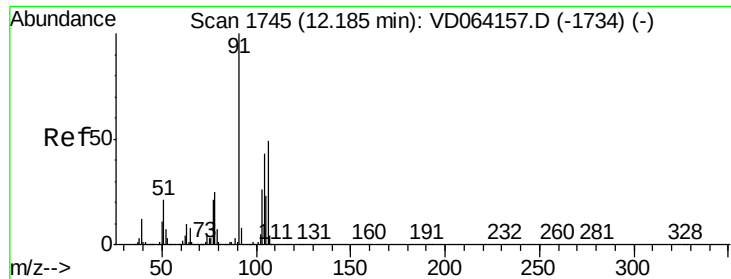
Tgt Ion: 106 Resp: 913185

Ion Ratio Lower Upper

106 100

91 197.2 160.3 240.5

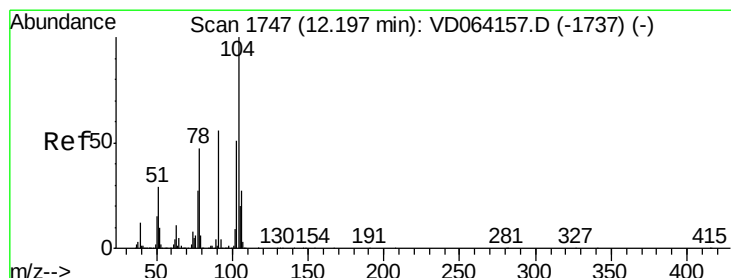
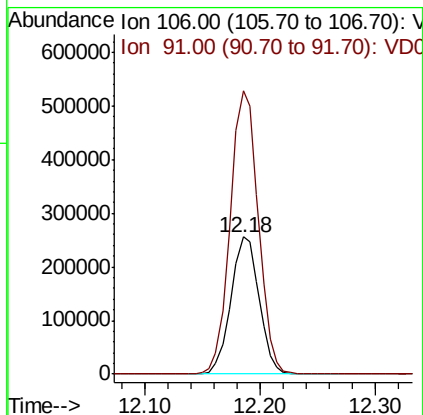
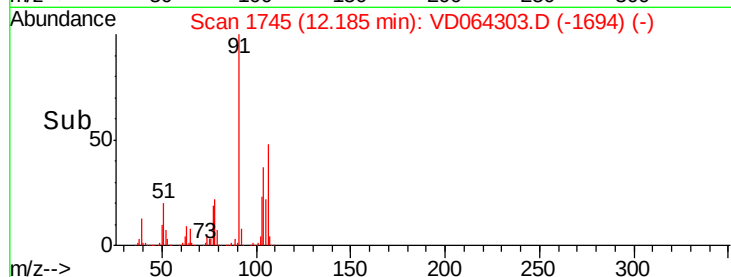
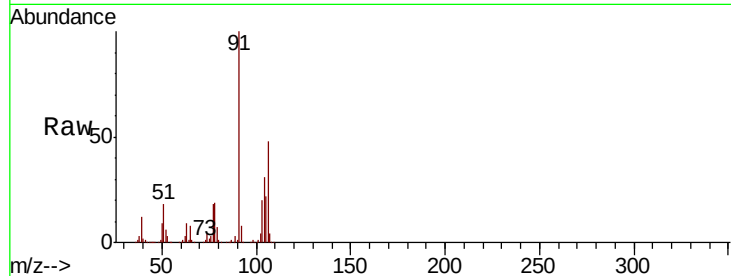




#69
o-Xylene
Concen: 48.193 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

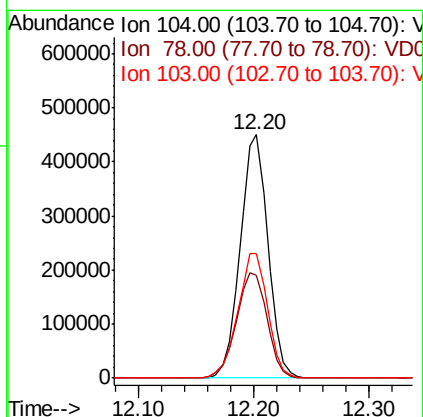
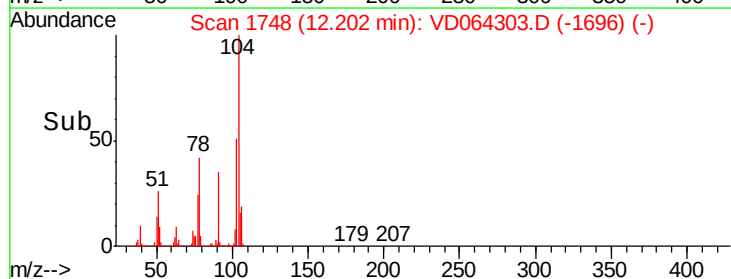
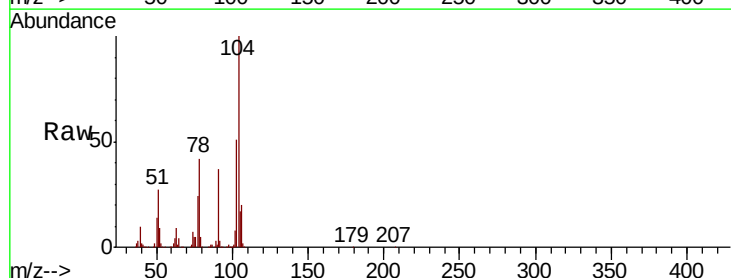
Instrument :
MSVOA_D
ClientSampled :

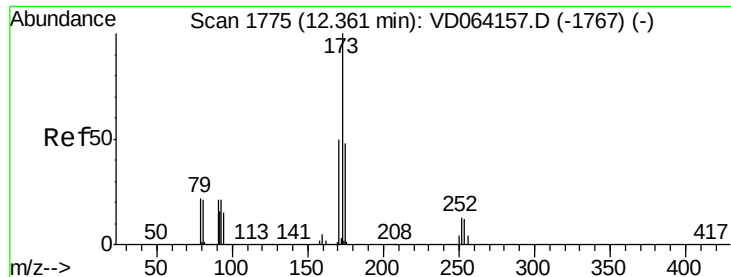
Tot Ion:106 Resp: 432497
Ion Ratio Lower Upper
106 100
91 205.8 105.1 315.3



#70
Styrene
Concen: 47.815 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion:104 Resp: 749023
Ion Ratio Lower Upper
104 100
78 48.1 39.9 59.9
103 55.3 43.4 65.0





#71

Bromoform

Concen: 51.745 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

ClientSampled :

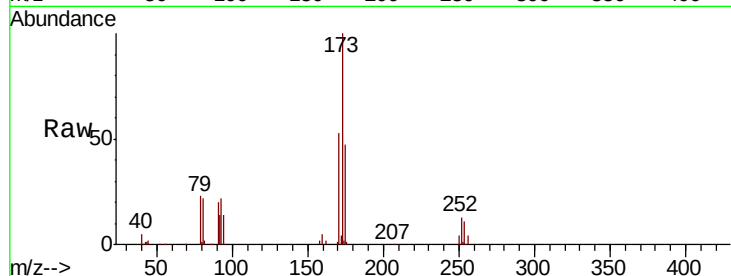
Tot Ion:173 Resp: 156275

Ion Ratio Lower Upper

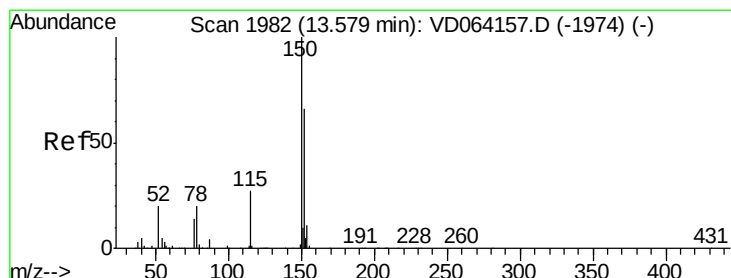
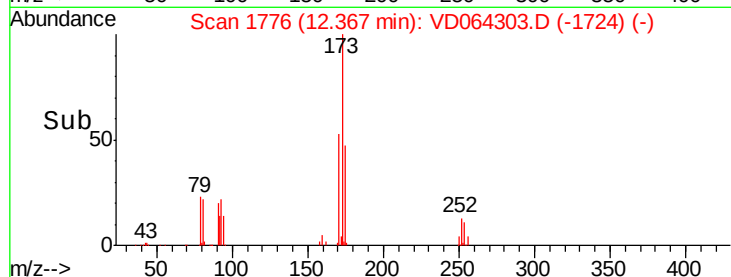
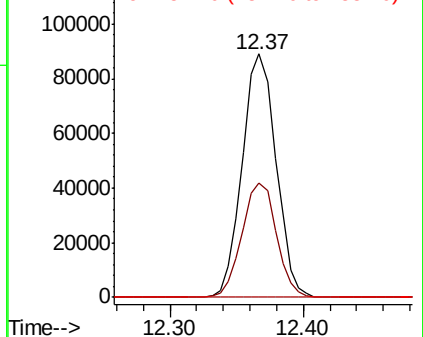
173 100

175 47.7 24.1 72.3

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

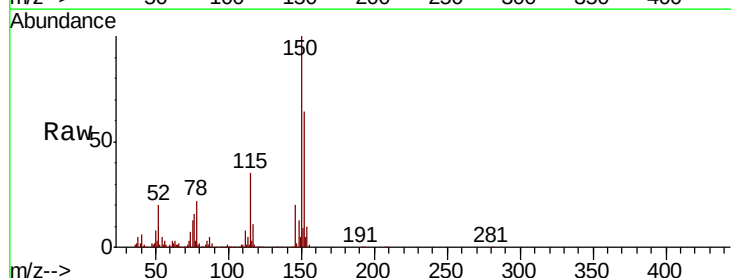
Tgt Ion:152 Resp: 333629

Ion Ratio Lower Upper

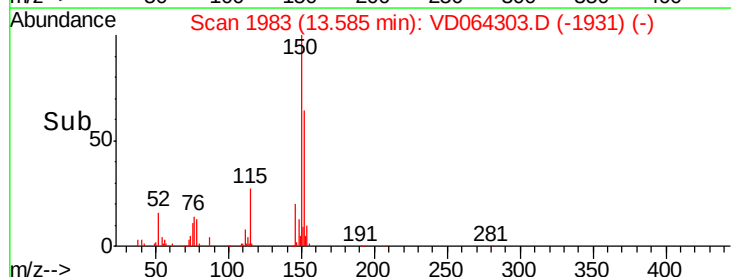
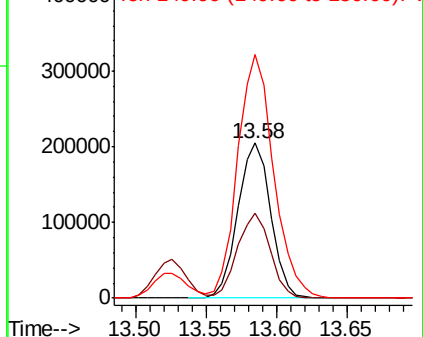
152 100

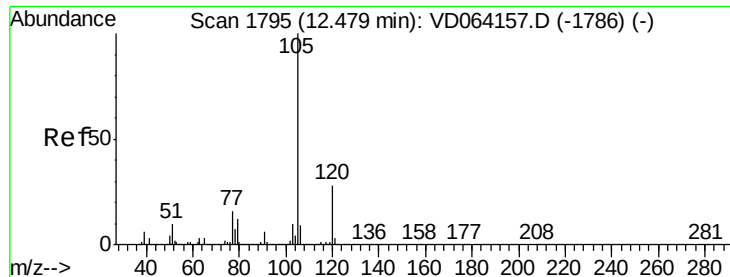
115 55.0 27.4 82.2

150 172.2 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: 46.403 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

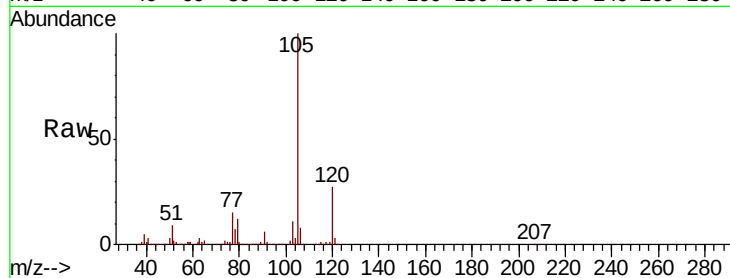
ClientSampleId :

Tot Ion:105 Resp: 1136336

Ion Ratio Lower Upper

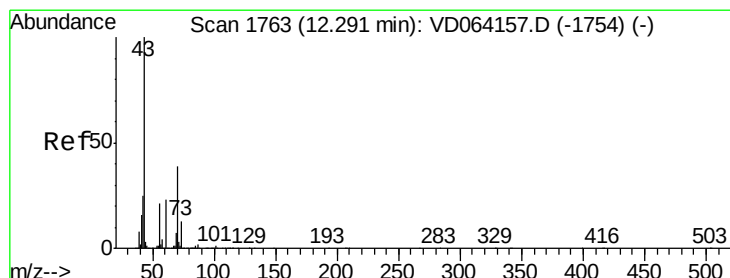
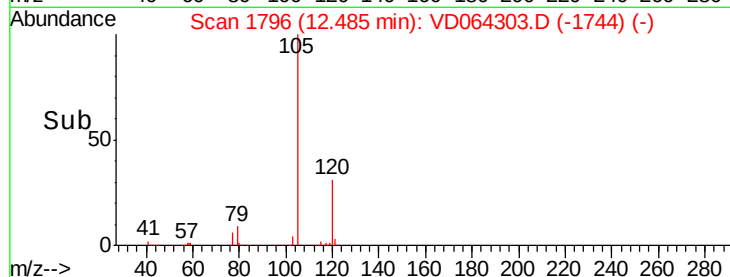
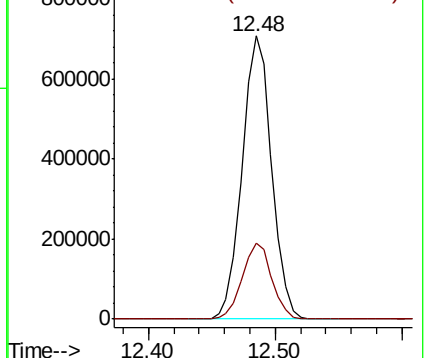
105 100

120 27.1 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.581 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Tgt Ion: 43 Resp: 269371

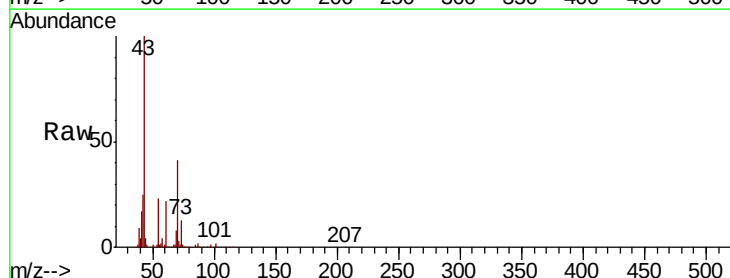
Ion Ratio Lower Upper

43 100

70 41.7 32.4 48.6

55 23.9 17.9 26.9

61 23.6 19.0 28.4

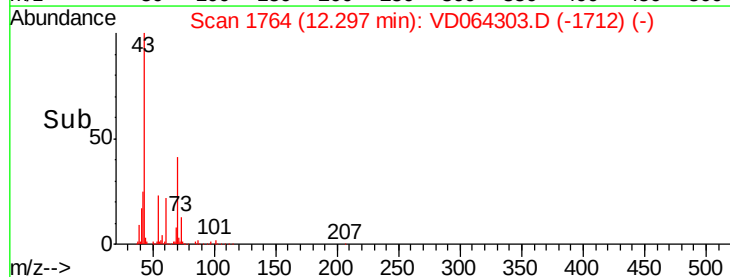
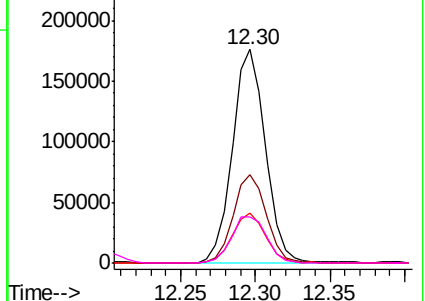


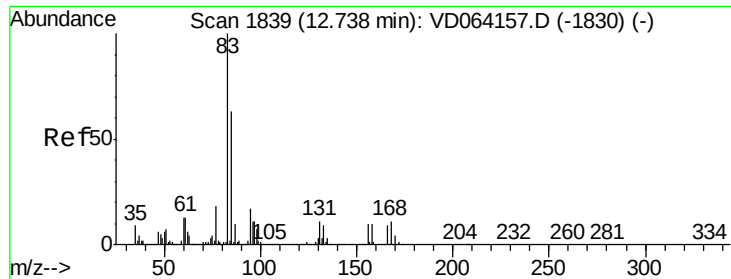
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 51.394 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

ClientSampled :

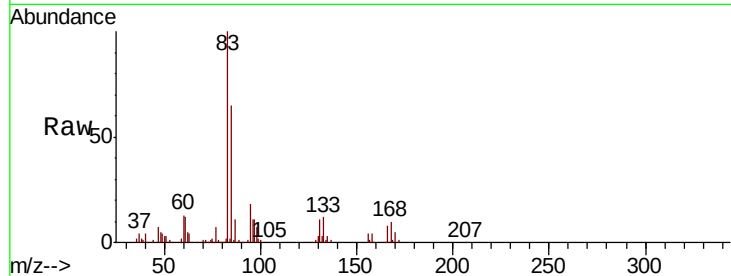
Tot Ion: 83 Resp: 189641

Ion Ratio Lower Upper

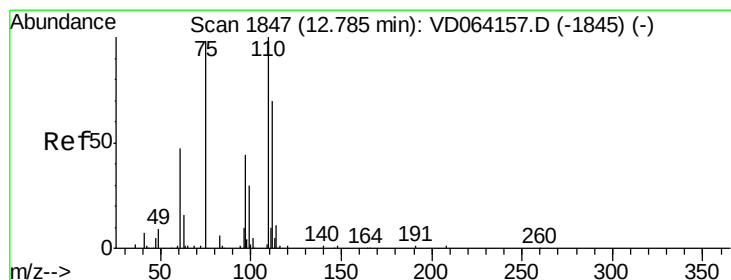
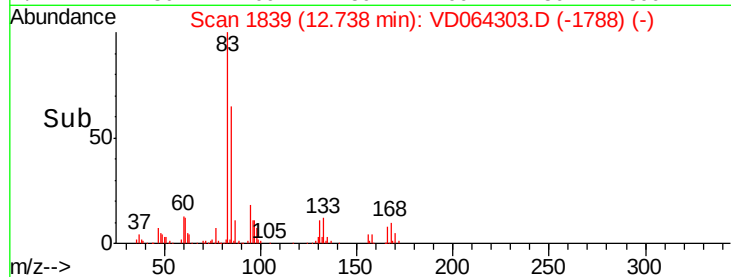
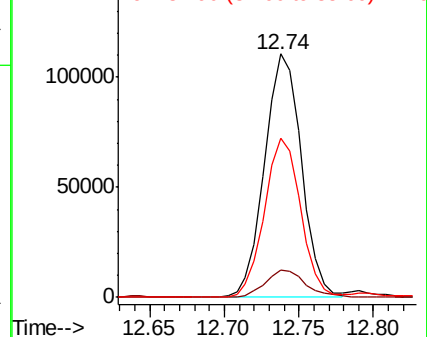
83 100

131 12.3 5.9 17.7

85 64.3 32.5 97.5



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



#76

1,2,3-Trichloropropane

Concen: 93.635 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064303.D

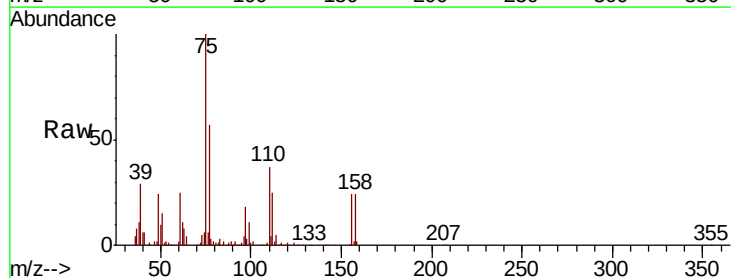
Acq: 19 Nov 2019 21:38

Tgt Ion: 75 Resp: 251624

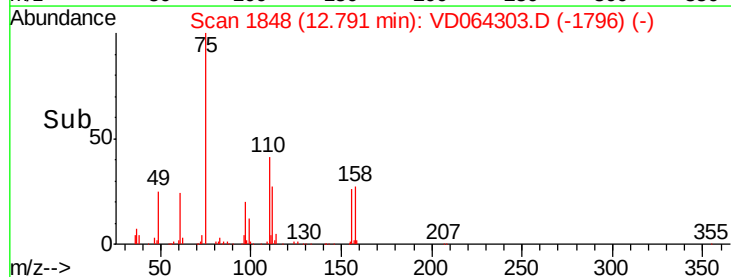
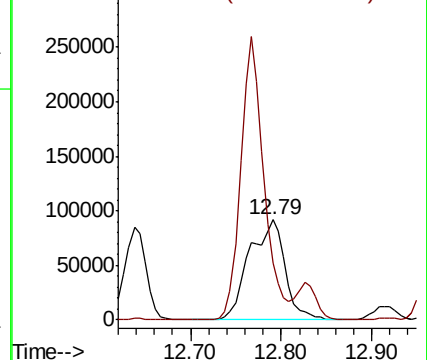
Ion Ratio Lower Upper

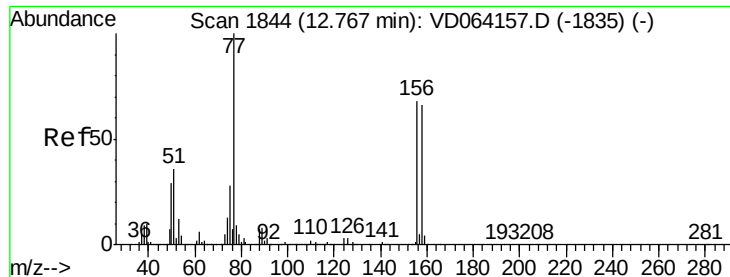
75 100

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: 49.830 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

ClientSampleId :

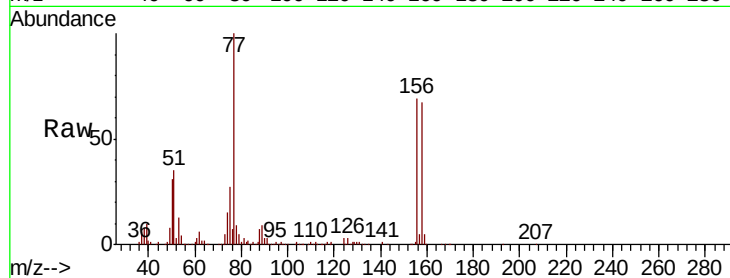
Tot Ion:156 Resp: 296450

Ion Ratio Lower Upper

156 100

77 156.2 81.2 243.4

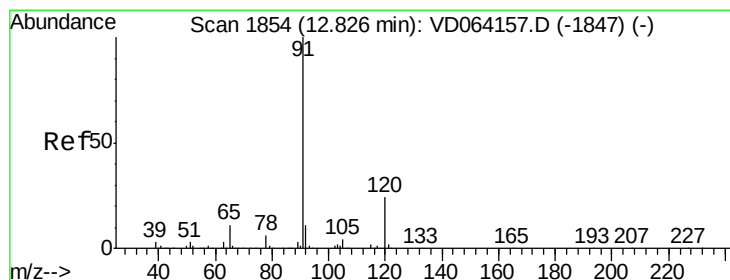
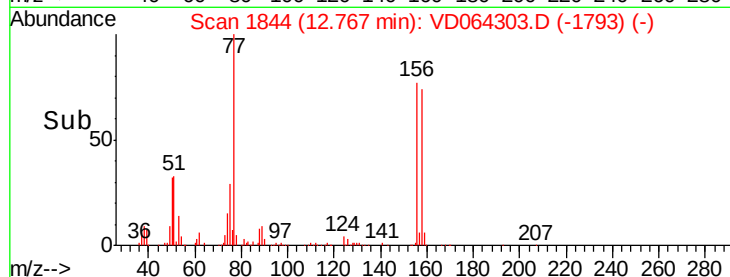
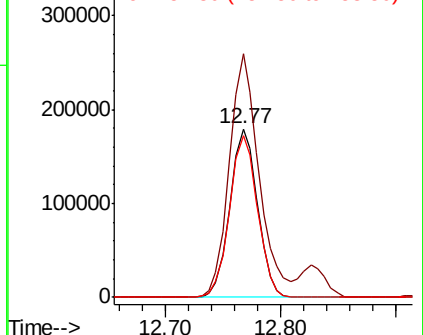
158 97.5 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.398 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064303.D

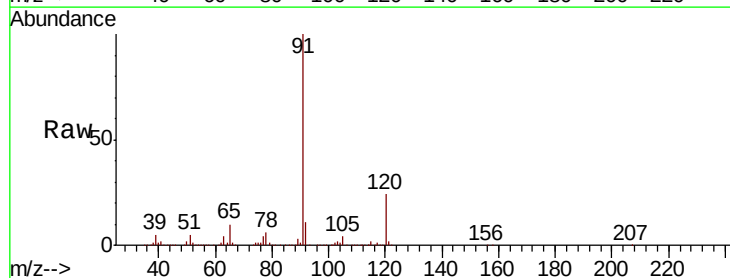
Acq: 19 Nov 2019 21:38

Tgt Ion: 91 Resp: 1298136

Ion Ratio Lower Upper

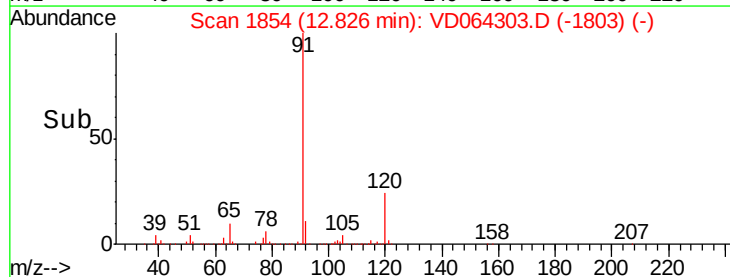
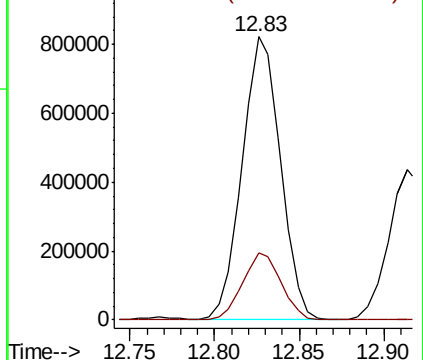
91 100

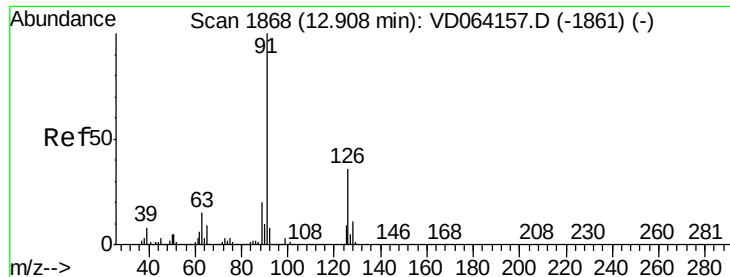
120 23.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

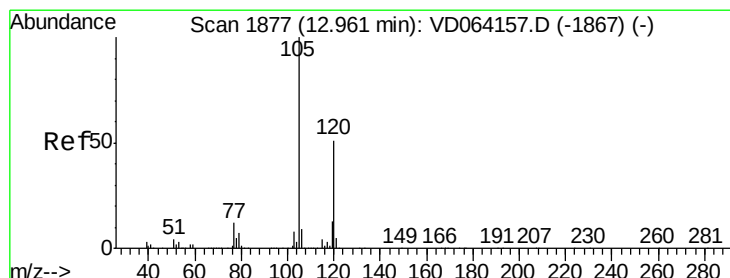
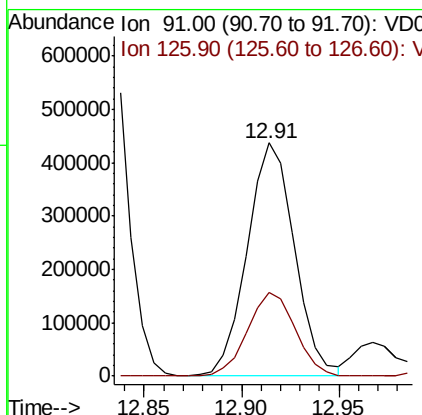
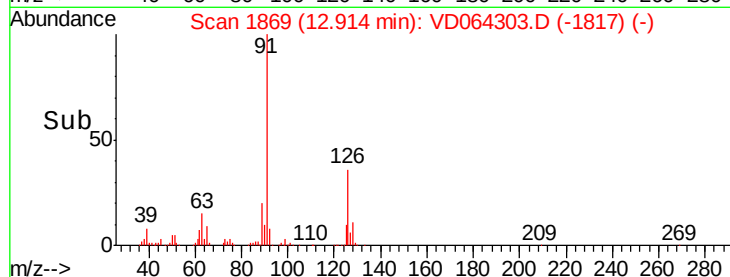
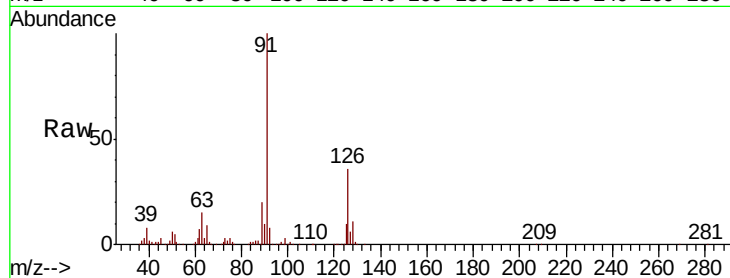




#79
2-Chlorotoluene
Concen: 46.344 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

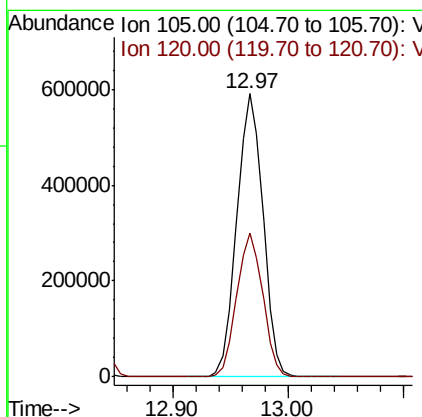
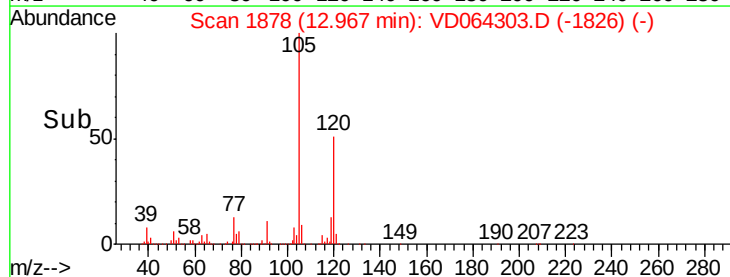
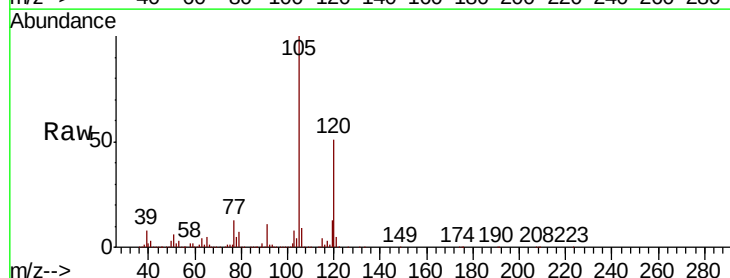
Instrument :
MSVOA_D
ClientSampled :

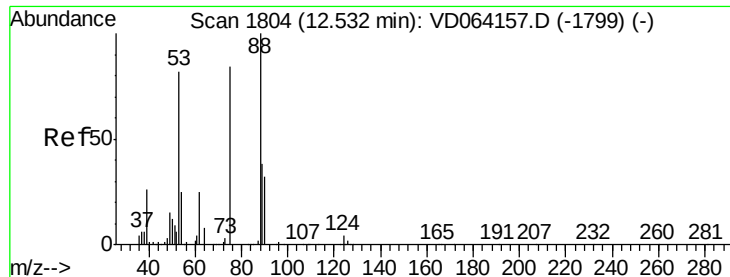
Tot Ion: 91 Resp: 732046
Ion Ratio Lower Upper
91 100
126 36.3 17.7 53.1



#80
1,3,5-Trimethylbenzene
Concen: 46.167 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion: 105 Resp: 928966
Ion Ratio Lower Upper
105 100
120 50.5 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 45.297 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

ClientSampleId :

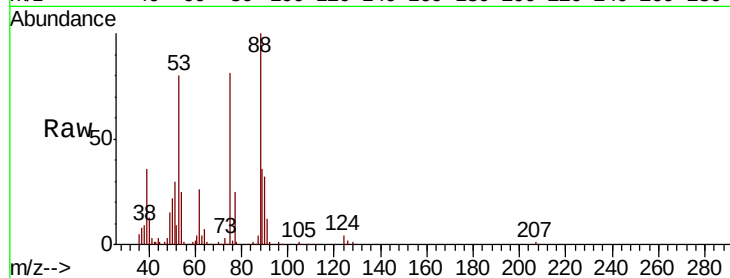
Tot Ion: 75 Resp: 61280

Ion Ratio Lower Upper

75 100

53 96.8 79.4 119.0

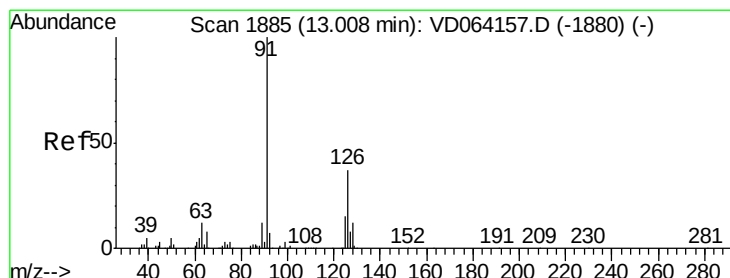
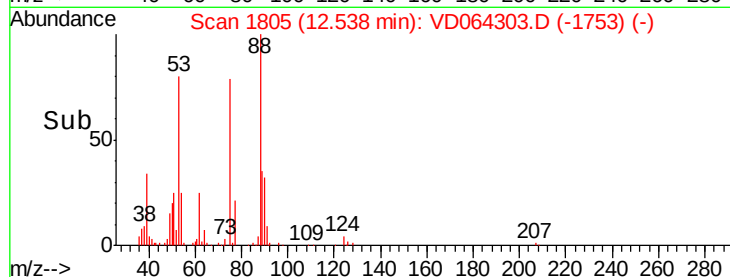
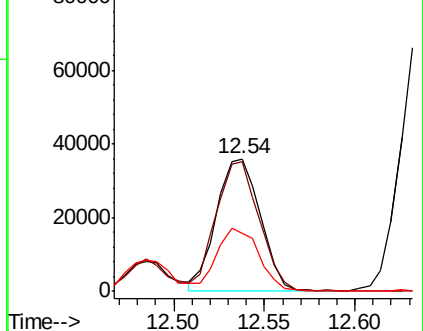
89 45.9 36.6 55.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 46.379 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064303.D

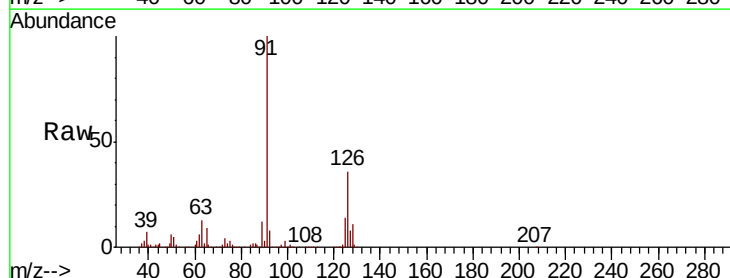
Acq: 19 Nov 2019 21:38

Tgt Ion: 91 Resp: 764113

Ion Ratio Lower Upper

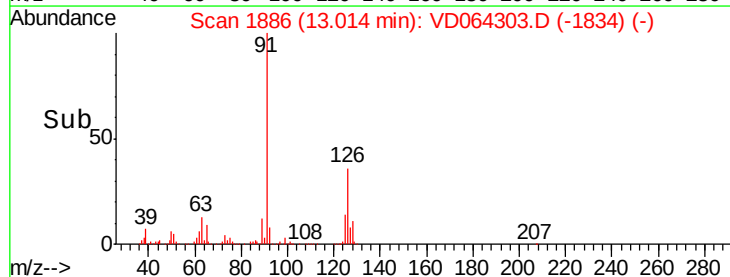
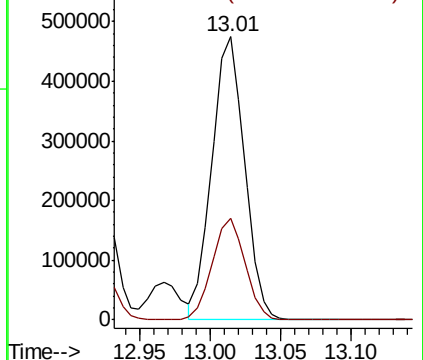
91 100

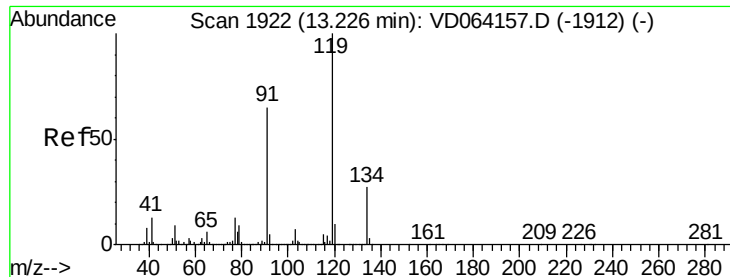
126 36.2 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

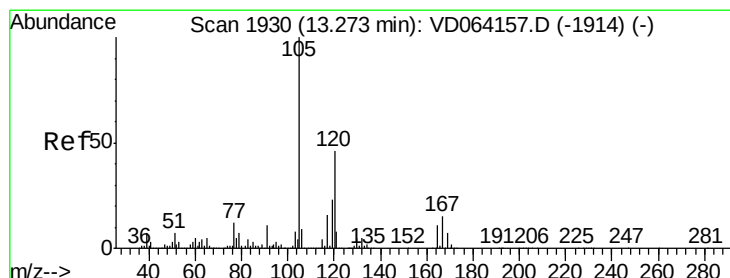
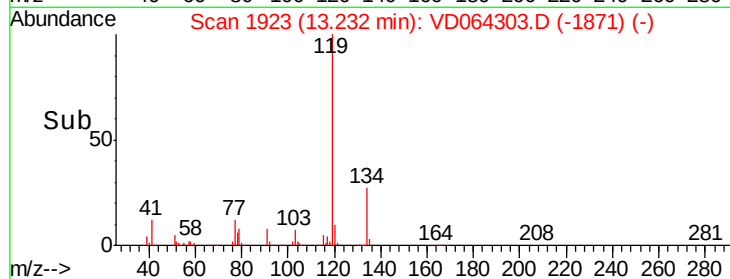
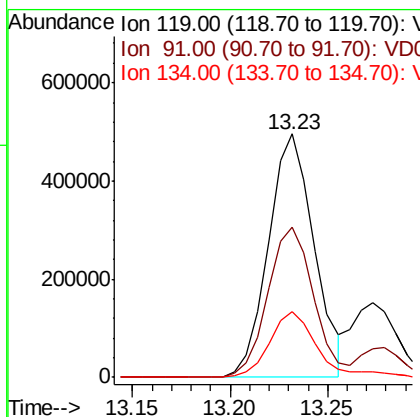
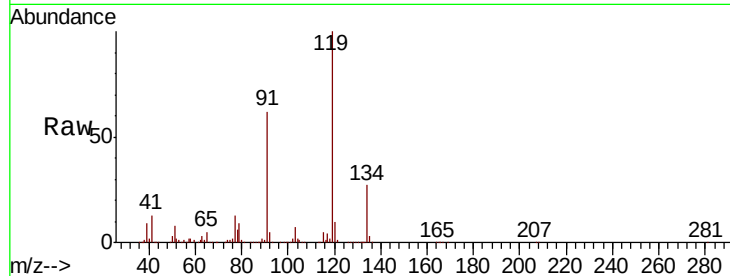




#83
 tert-Butylbenzene
 Concen: 45.456 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

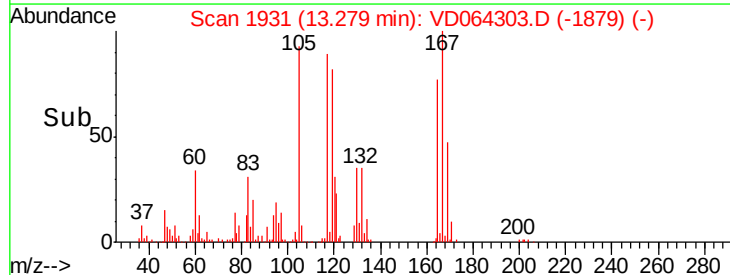
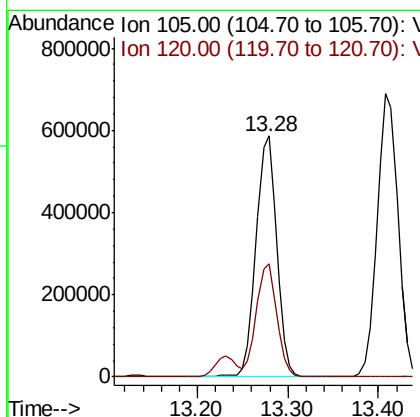
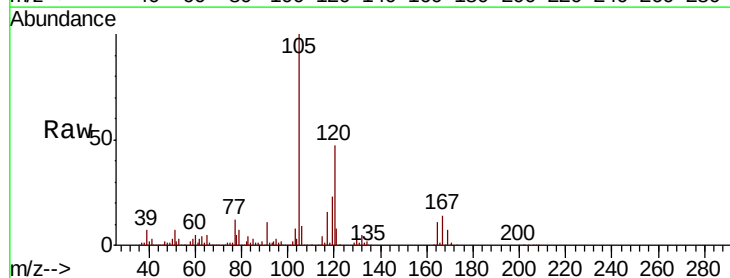
Instrument :
 MSVOA_D
 ClientSampleId :

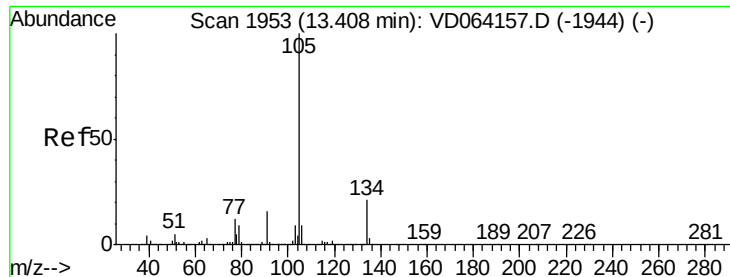
Tot Ion:119 Resp: 806534
 Ion Ratio Lower Upper
 119 100
 91 62.2 31.8 95.4
 134 28.1 13.7 41.0



#84
 1,2,4-Trimethylbenzene
 Concen: 46.935 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Tgt Ion:105 Resp: 932401
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.3 69.8





#85

sec-Butylbenzene

Concen: 45.899 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

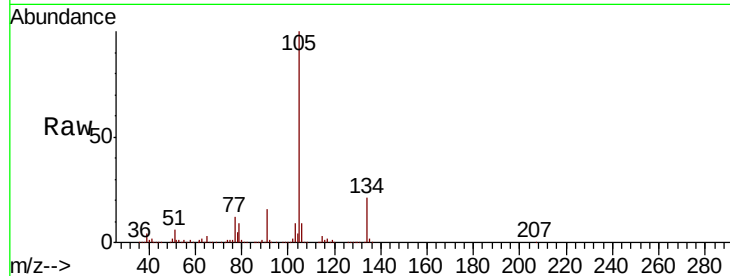
ClientSampleId :

Tot Ion:105 Resp: 1093801

Ion Ratio Lower Upper

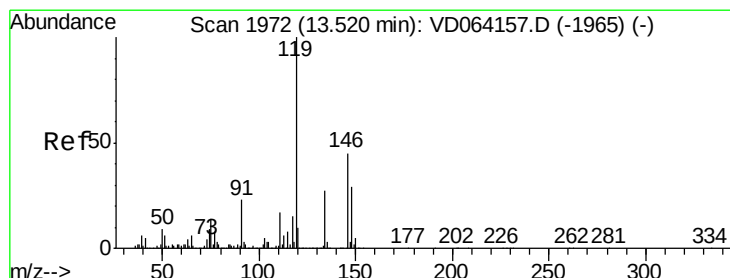
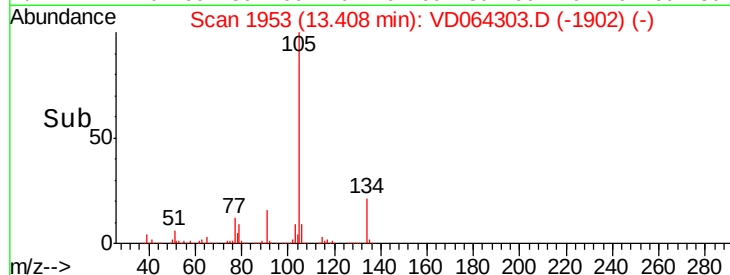
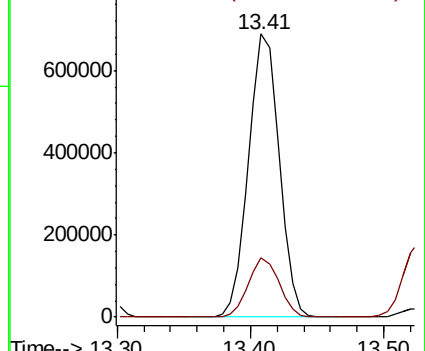
105 100

134 21.0 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: 45.560 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

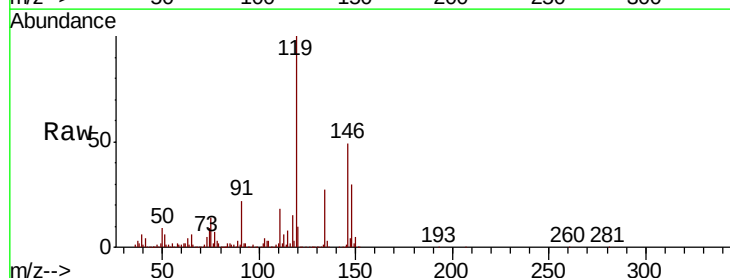
Tgt Ion:119 Resp: 1032192

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

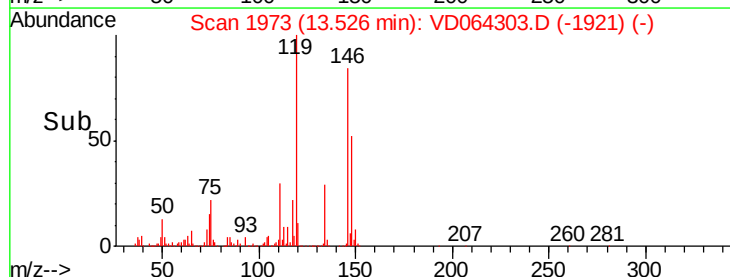
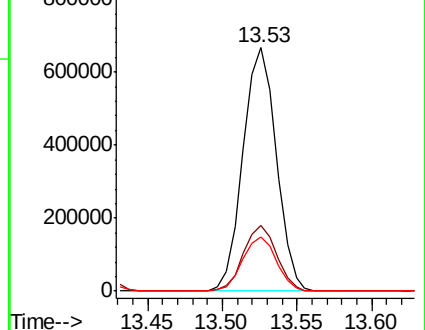
91 22.3 11.5 34.4

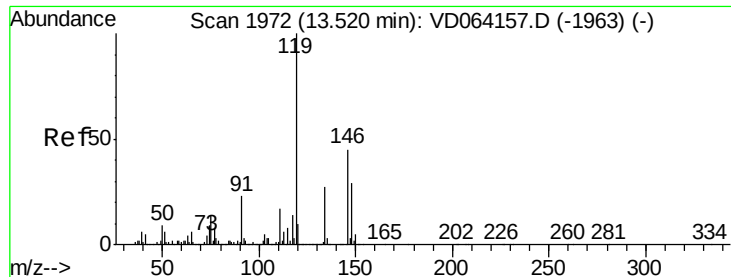


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

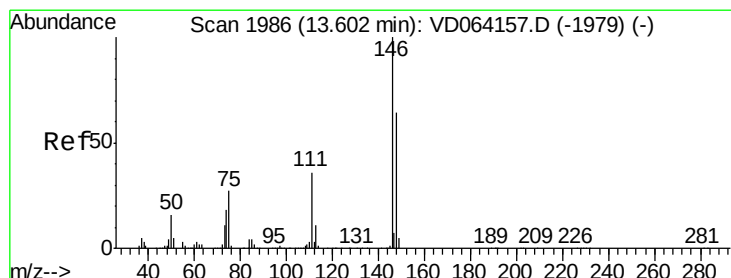
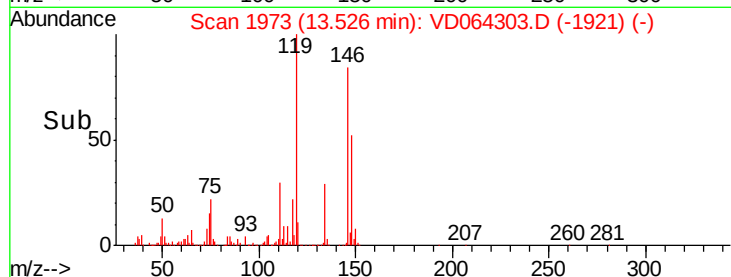
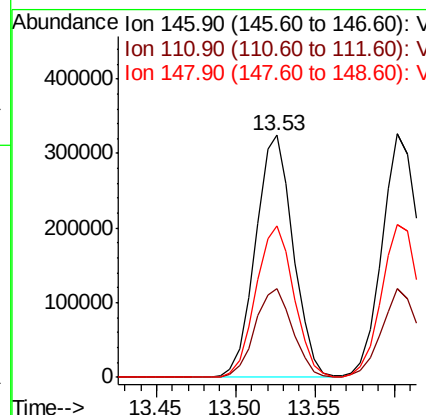
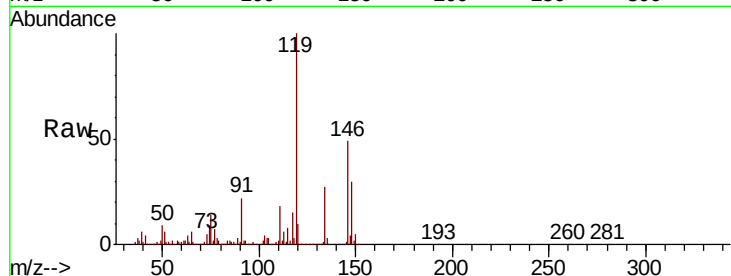




#87
 1,3-Dichlorobenzene
 Concen: 48.423 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

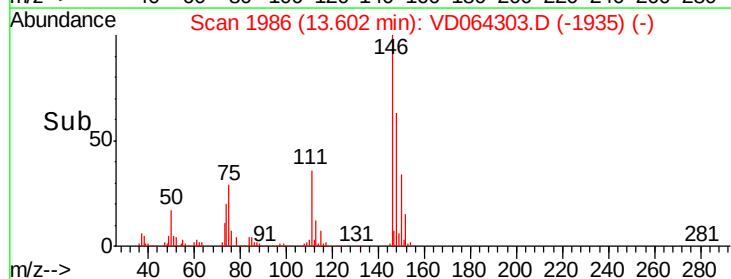
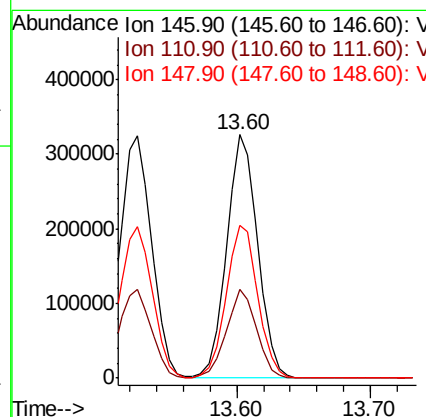
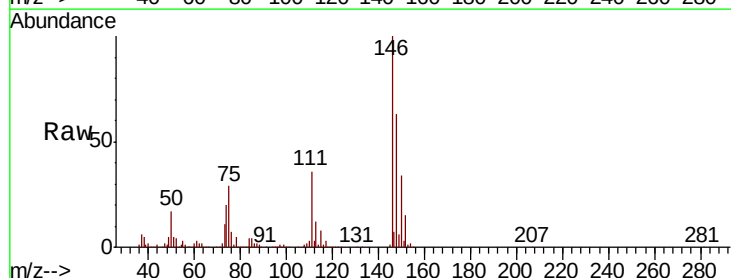
Instrument :
 MSVOA_D
 ClientSampleId :

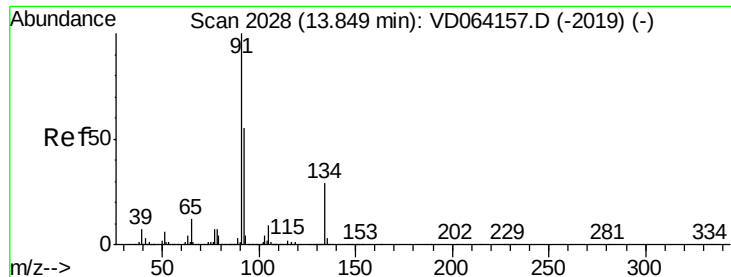
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.9	56.9
148	63.5	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 49.160 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.1	54.4
148	64.0	31.9	95.7

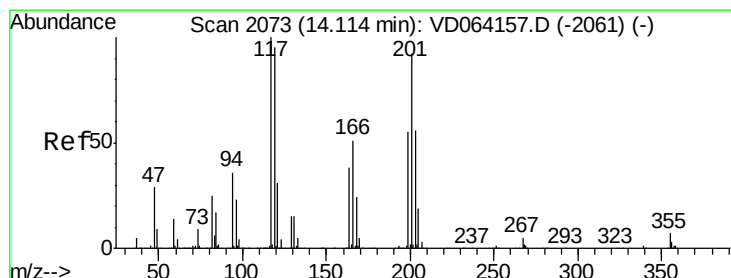
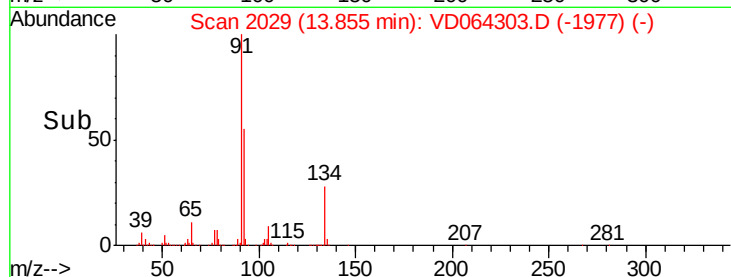
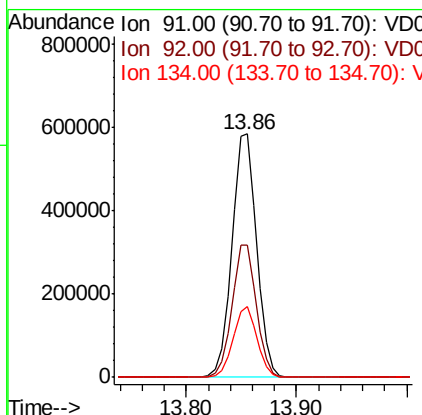
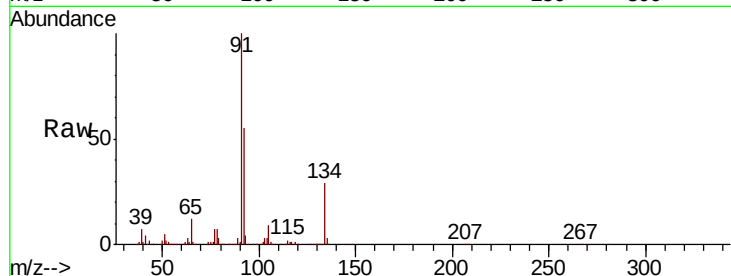




#89
n-Butylbenzene
Concen: 44.647 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

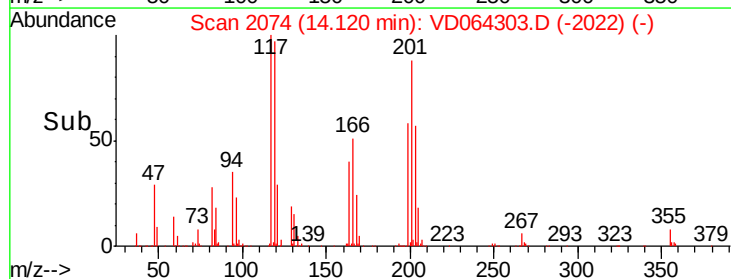
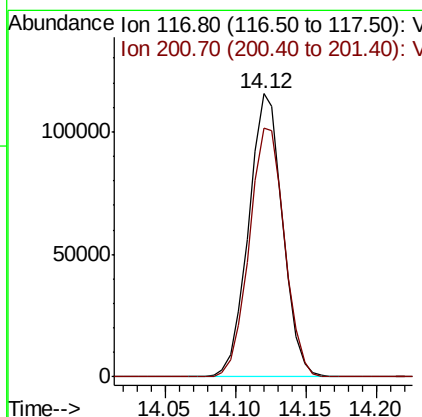
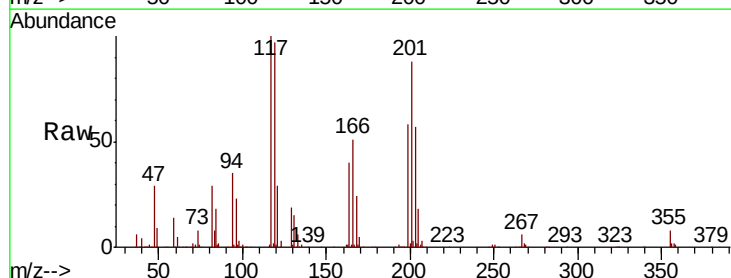
Instrument :
MSVOA_D
ClientSampleId :

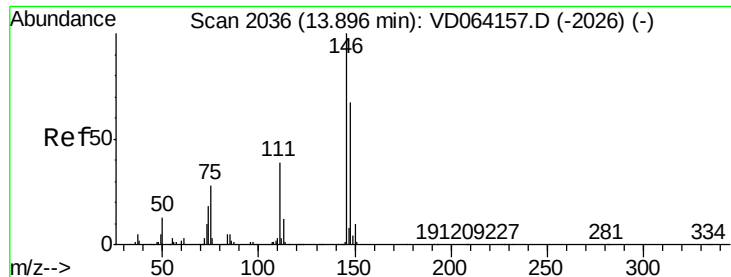
Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.3	81.8
134	28.3	14.1	42.4



#90
Hexachloroethane
Concen: 46.760 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064303.D
Acq: 19 Nov 2019 21:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.9	45.8	137.4

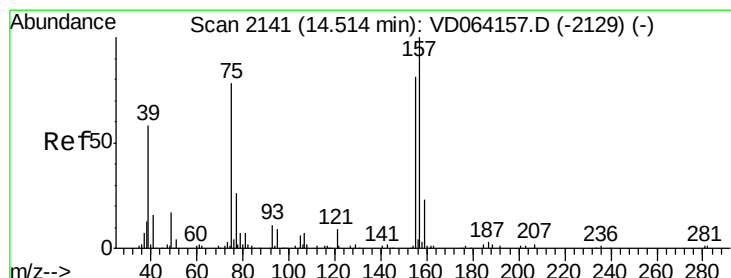
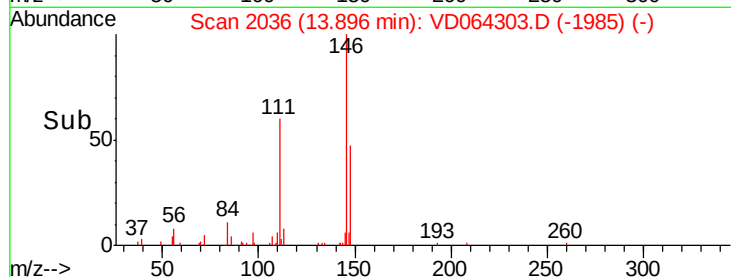
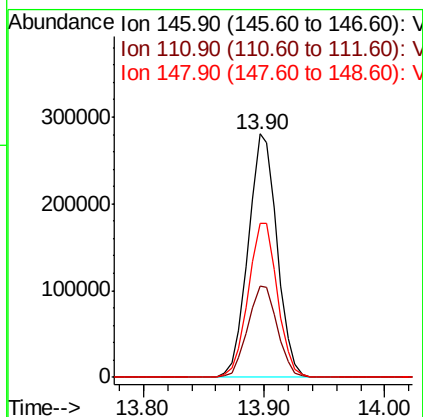
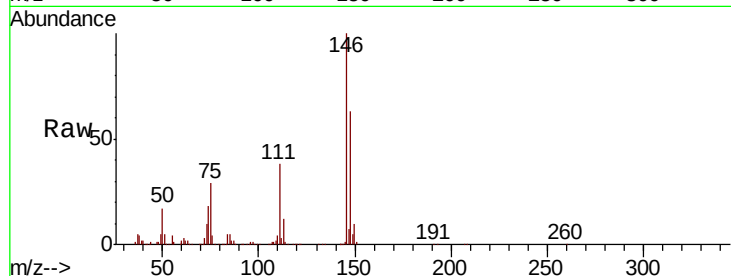




#91
 1,2-Dichlorobenzene
 Concen: 50.020 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

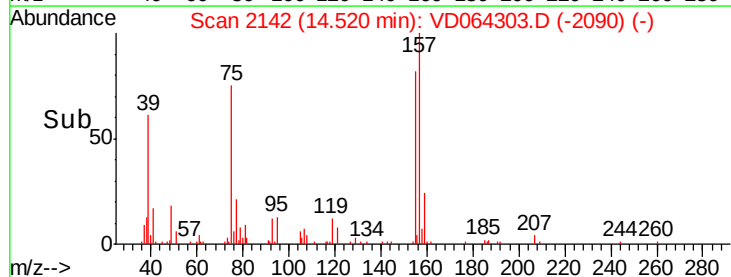
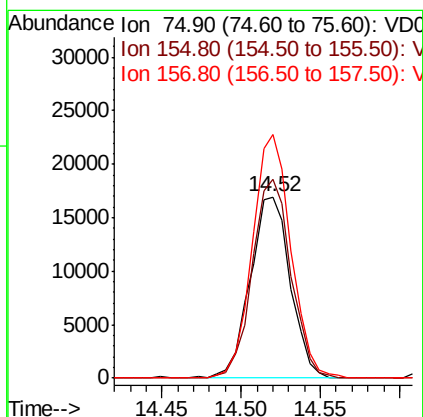
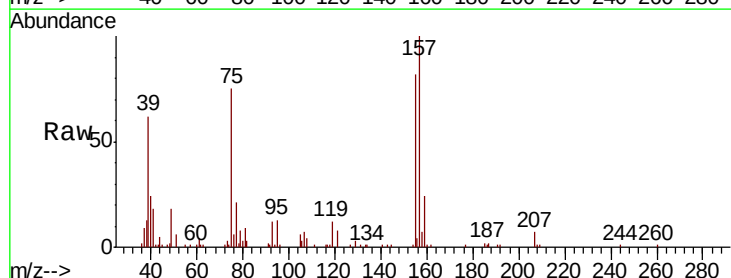
Instrument :
 MSVOA_D
 ClientSampleID :

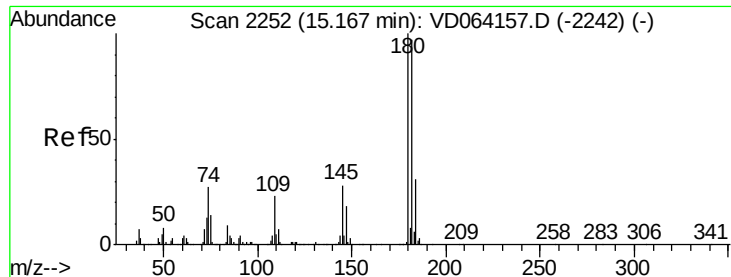
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.7	59.0
148	64.2	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.077 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	106.3	48.0	144.0
157	129.3	61.5	184.4

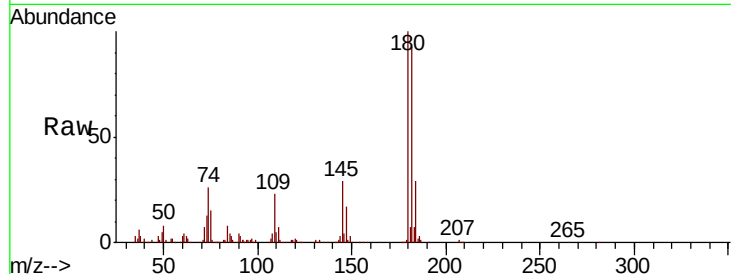




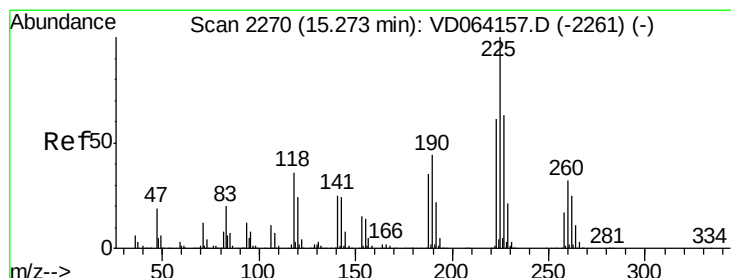
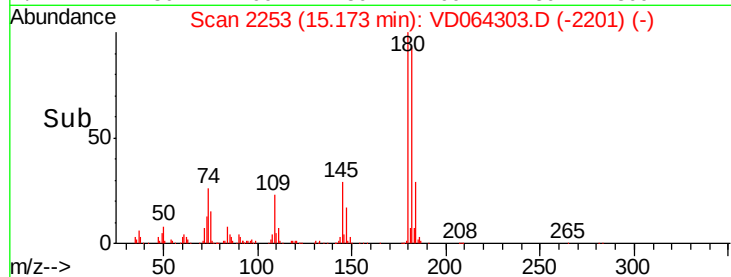
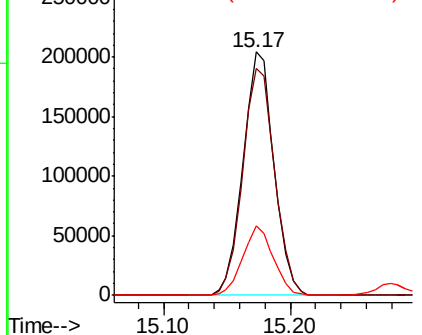
#93
 1,2,4-Trichlorobenzene
 Concen: 48.119 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.5	142.5
145	28.1	14.2	42.6

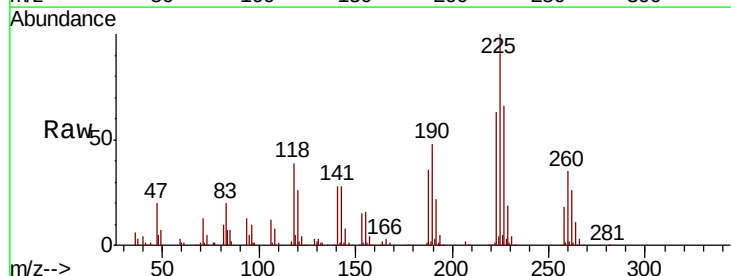


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

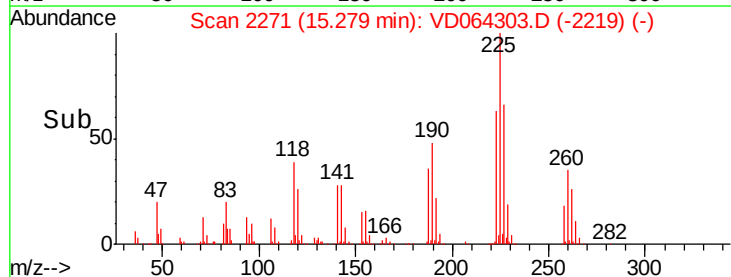
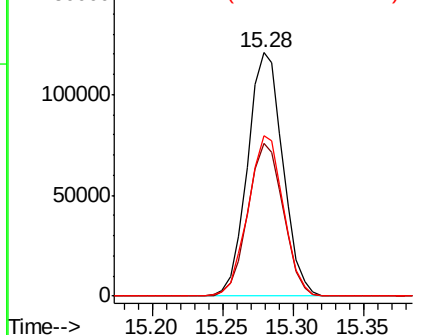


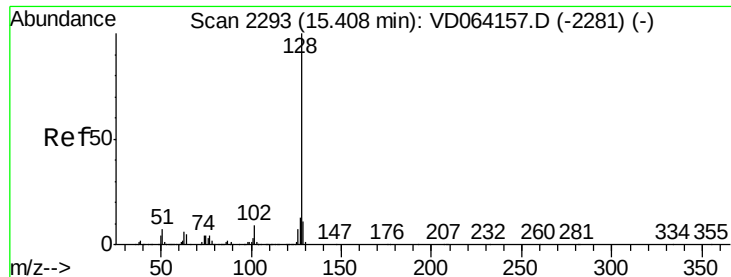
#94
 Hexachlorobutadiene
 Concen: 45.645 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064303.D
 Acq: 19 Nov 2019 21:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.1	93.3
227	65.8	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: 51.012 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

Instrument :

MSVOA_D

ClientSampleId :

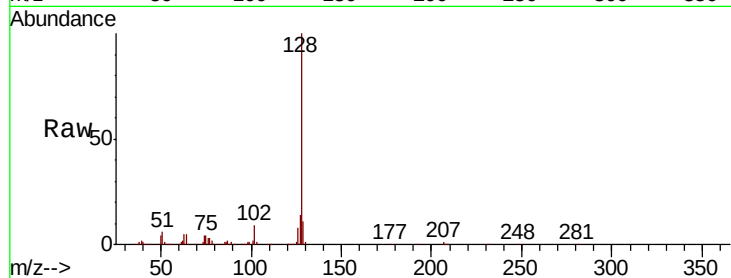
Tot Ion:128 Resp: 602963

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

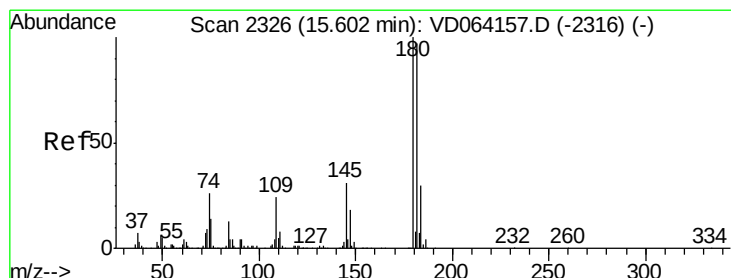
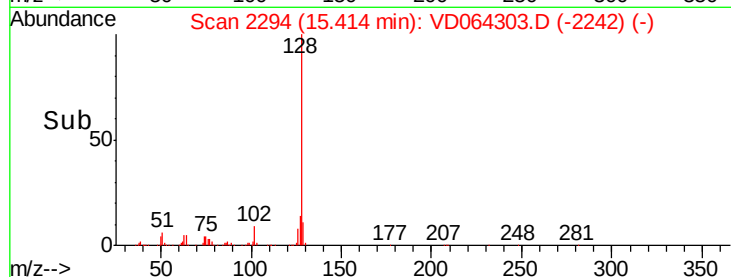
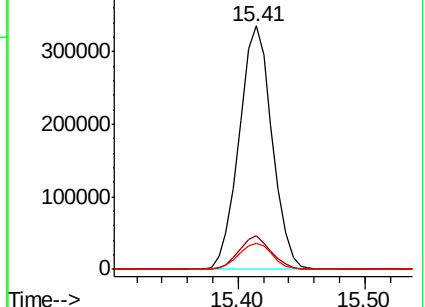
129 11.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.430 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.01 min

Lab File: VD064303.D

Acq: 19 Nov 2019 21:38

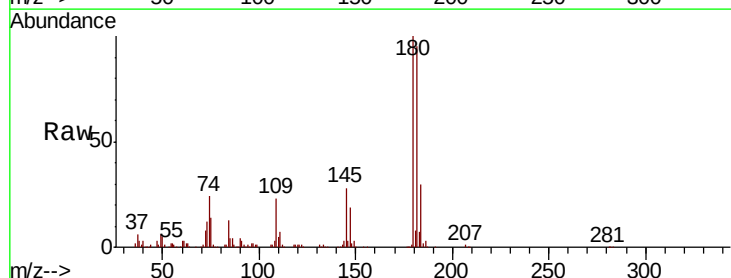
Tgt Ion:180 Resp: 302972

Ion Ratio Lower Upper

180 100

182 96.9 48.3 144.9

145 29.7 15.3 45.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

