

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111919\
 Data File : VD064280.D
 Acq On : 19 Nov 2019 10:19
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 20 03:23:20 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	634872	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	899796	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	768382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	381741	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	250460	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
35) Dibromofluoromethane	7.92	113	253674	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
50) Toluene-d8	10.34	98	949694	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
62) 4-Bromofluorobenzene	12.64	95	314753	46.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	251039	47.677	ug/l	98
3) Chloromethane	2.21	50	282647	50.045	ug/l	97
4) Vinyl Chloride	2.35	62	342640	56.732	ug/l	98
5) Bromomethane	2.77	94	232815	61.046	ug/l	98
6) Chloroethane	2.93	64	231711	60.041	ug/l	99
7) Trichlorofluoromethane	3.27	101	601248	61.402	ug/l	99
8) Diethyl Ether	3.71	74	132823	49.332	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	282067	50.398	ug/l	100
10) Methyl Iodide	4.29	142	299964	47.076	ug/l	99
11) Tert butyl alcohol	5.25	59	87757	240.631	ug/l	99
12) 1,1-Dichloroethene	4.06	96	266811	50.015	ug/l	98
13) Acrolein	3.93	56	83443	270.459	ug/l	99
14) Allyl chloride	4.71	41	429521	45.538	ug/l	95
15) Acrylonitrile	5.43	53	287919	250.840	ug/l	99
16) Acetone	4.17	43	302897	244.871	ug/l	98
17) Carbon Disulfide	4.40	76	782263	47.086	ug/l	100
18) Methyl Acetate	4.73	43	166338	48.146	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	614302	48.236	ug/l	97
20) Methylene Chloride	4.96	84	274447	43.923	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	297803	49.272	ug/l	99
22) Diisopropyl ether	6.37	45	833187	47.609	ug/l	99
23) Vinyl Acetate	6.31	43	2448240	250.964	ug/l	99
24) 1,1-Dichloroethane	6.26	63	497432	48.953	ug/l	99
25) 2-Butanone	7.22	43	387992	242.785	ug/l	99
26) 2,2-Dichloropropane	7.21	77	474501	47.616	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	326943	50.442	ug/l	94
28) Bromochloromethane	7.55	49	190173	53.756	ug/l	97
29) Tetrahydrofuran	7.57	42	235596	245.370	ug/l	97
30) Chloroform	7.71	83	522801	50.298	ug/l	97
31) Cyclohexane	7.98	56	471005	45.960	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	491975	49.432	ug/l	100
36) 1,1-Dichloropropene	8.11	75	414552	49.920	ug/l	99
37) Ethyl Acetate	7.30	43	169809	48.504	ug/l	99
38) Carbon Tetrachloride	8.10	117	452969	50.977	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	520150	49.501	ug/l	96
40) Benzene	8.35	78	1123009	49.481	ug/l	98
41) Methacrylonitrile	7.53	41	97834	44.462	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	326649	47.920	ug/l	99
43) Isopropyl Acetate	8.46	43	339548	47.072	ug/l	99
44) Trichloroethene	9.11	130	340956	50.054	ug/l	100
45) 1,2-Dichloropropane	9.39	63	272642	49.355	ug/l	97
46) Dibromomethane	9.48	93	147990	50.041	ug/l	98
47) Bromodichloromethane	9.67	83	394114	49.474	ug/l	99
48) Methyl methacrylate	9.46	41	156743	44.439	ug/l	94
49) 1,4-Dioxane	9.47	88	34300	965.707	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	826931	239.060	ug/l	99
52) Toluene	10.41	92	728904	48.841	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	383437	48.046	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	449508	48.268	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	202411	50.453	ug/l	98
56) Ethyl methacrylate	10.67	69	272339	48.527	ug/l	95
57) 1,3-Dichloropropane	10.95	76	351300	50.209	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	564456	248.295	ug/l	99
59) 2-Hexanone	10.99	43	582316	236.622	ug/l	98
60) Dibromochloromethane	11.14	129	282727	50.504	ug/l	100
61) 1,2-Dibromoethane	11.25	107	204821	50.972	ug/l	97
64) Tetrachloroethene	10.88	164	295534	50.009	ug/l	97
65) Chlorobenzene	11.68	112	781735	50.031	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	298776	50.288	ug/l	99
67) Ethyl Benzene	11.75	91	1417343	50.148	ug/l	100
68) m/p-Xylenes	11.86	106	1083811	100.044	ug/l	100
69) o-Xylene	12.18	106	496665	49.433	ug/l	100
70) Styrene	12.20	104	869308	49.567	ug/l	99
71) Bromoform	12.37	173	170315	50.371	ug/l	98
73) Isopropylbenzene	12.48	105	1378566	49.200	ug/l	99
74) N-amyl acetate	12.30	43	307259	46.437	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	208177	49.307	ug/l	98
76) 1,2,3-Trichloropropane	12.80	75	286377	93.137	ug/l #	100
77) Bromobenzene	12.77	156	333981	49.063	ug/l	98
78) n-propylbenzene	12.83	91	1582881	49.445	ug/l	99
79) 2-Chlorotoluene	12.91	91	873381	48.323	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1112791	48.332	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	73746	47.642	ug/l	96
82) 4-Chlorotoluene	13.01	91	915689	48.574	ug/l	99
83) tert-Butylbenzene	13.23	119	978966	48.220	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	1115409	49.071	ug/l	100
85) sec-Butylbenzene	13.41	105	1355617	49.716	ug/l	99
86) p-Isopropyltoluene	13.53	119	1288485	49.704	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	626299	49.564	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	621119	50.364	ug/l	100
89) n-Butylbenzene	13.86	91	1176560	50.237	ug/l	99
90) Hexachloroethane	14.12	117	235416	49.139	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	541110	50.594	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	33803	44.779	ug/l	93

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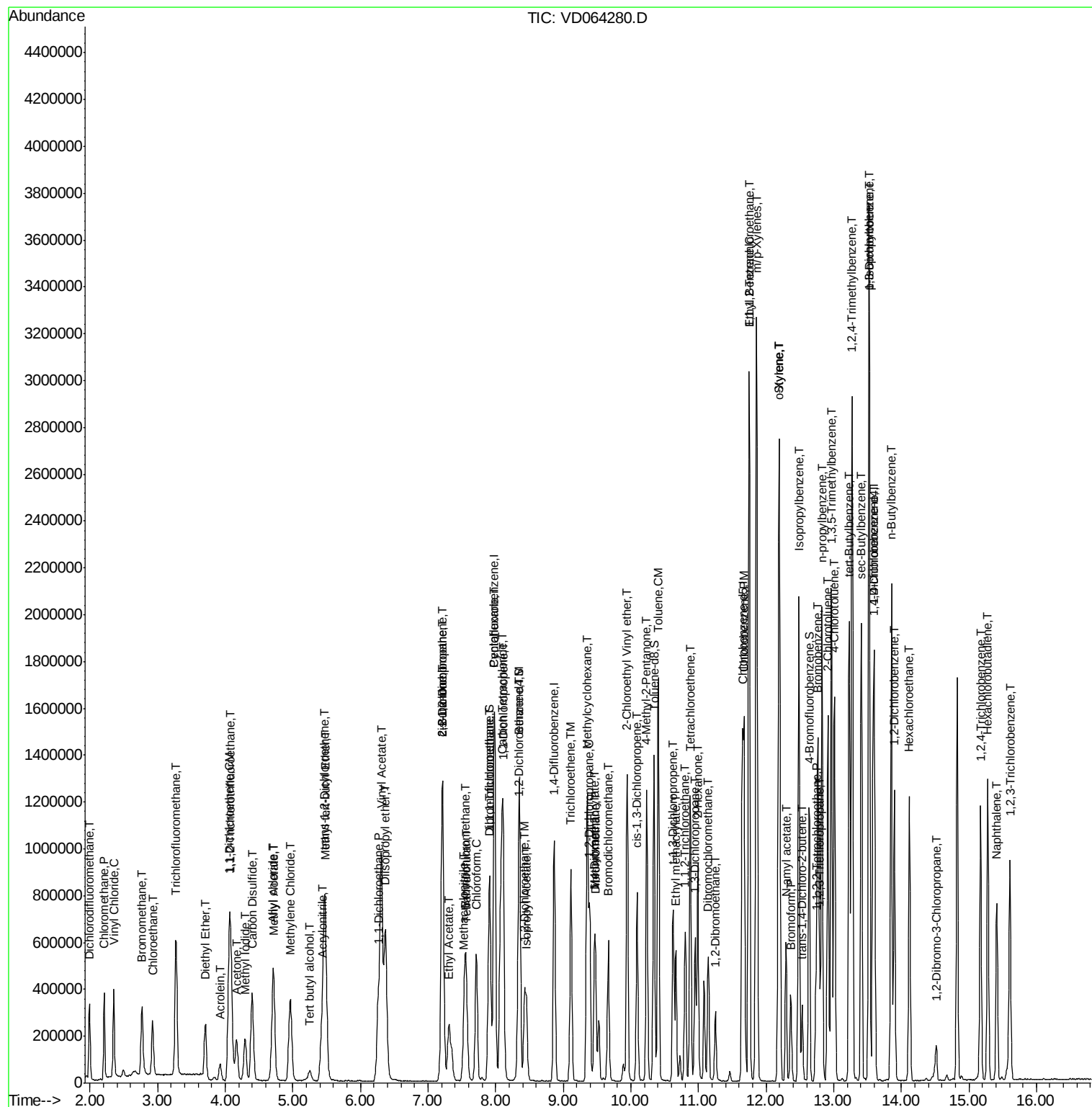
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	415631	50.377	ug/l	100
94) Hexachlorobutadiene	15.28	225	267777	50.249	ug/l	99
95) Naphthalene	15.41	128	671275	49.634	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	353758	50.442	ug/l	99

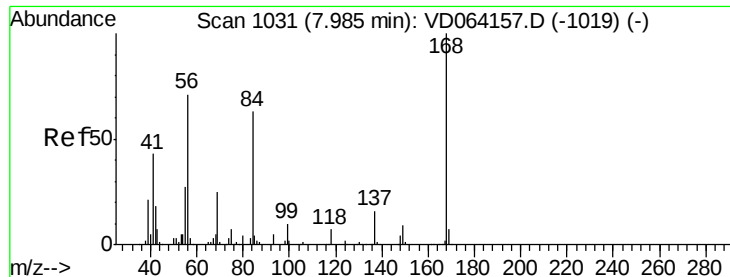
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

Instrument :

MSVOA_D

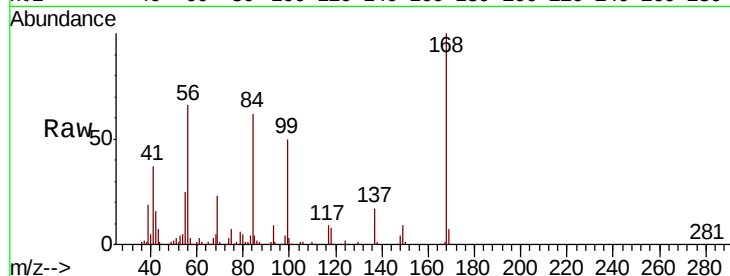
ClientSampleId :

Tot Ion:168 Resp: 634872

Ion Ratio Lower Upper

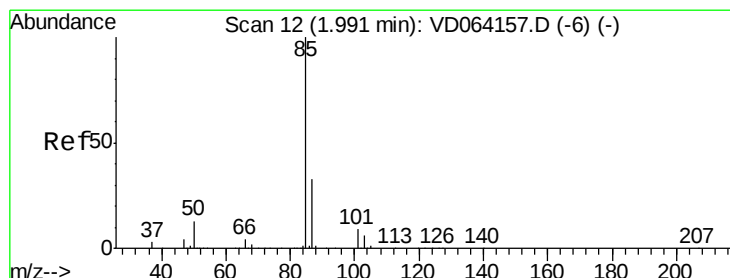
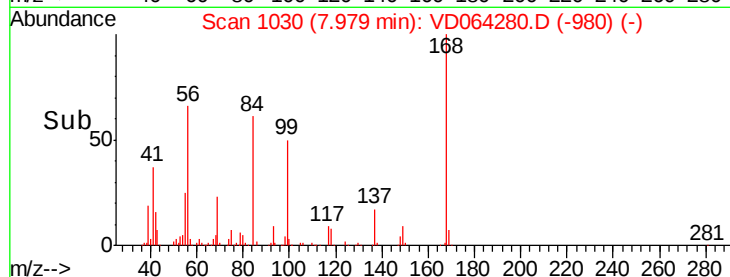
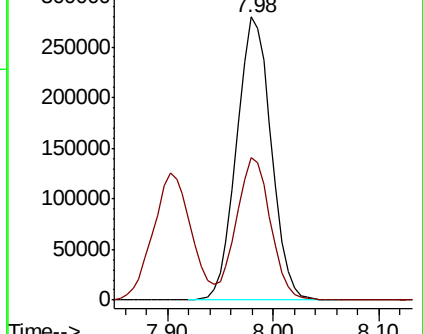
168 100

99 49.9 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: 47.677 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064280.D

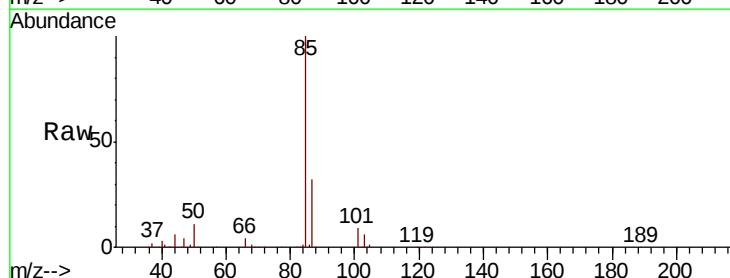
Acq: 19 Nov 2019 10:19

Tgt Ion: 85 Resp: 251039

Ion Ratio Lower Upper

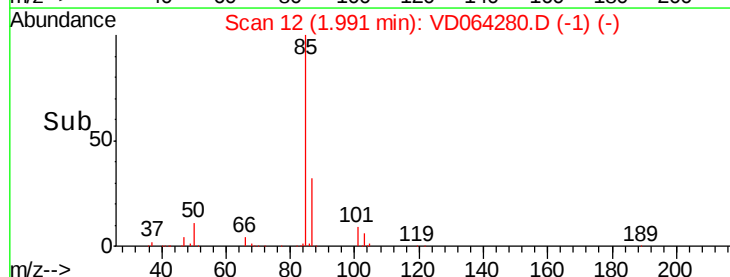
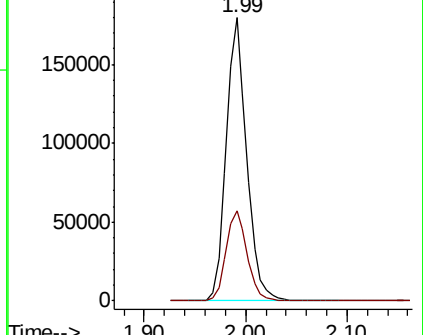
85 100

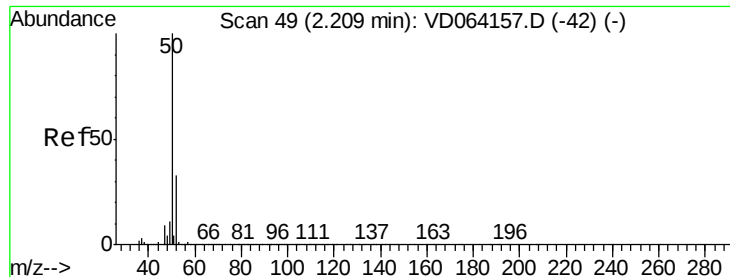
87 31.7 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 50.045 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

Instrument :

MSVOA_D

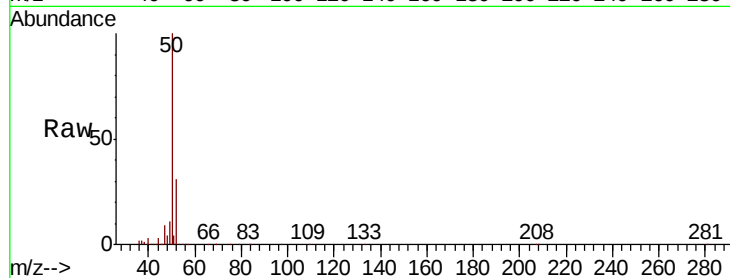
ClientSampleId :

Tot Ion: 50 Resp: 282647

Ion Ratio Lower Upper

50 100

52 31.3 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

200000

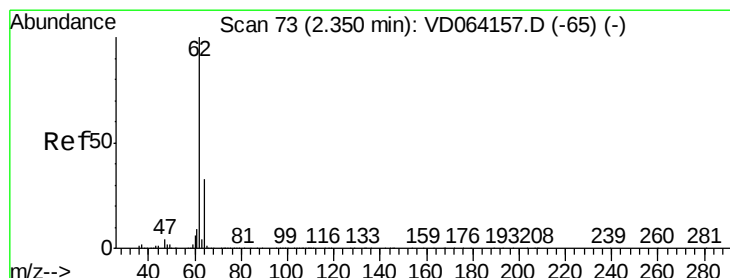
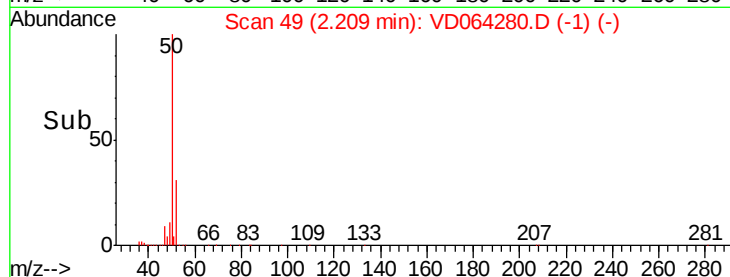
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 56.732 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064280.D

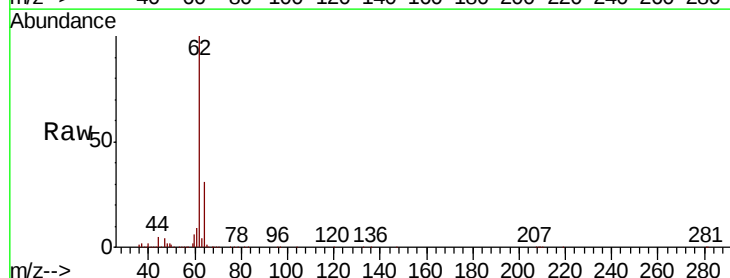
Acq: 19 Nov 2019 10:19

Tgt Ion: 62 Resp: 342640

Ion Ratio Lower Upper

62 100

64 31.4 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

250000

200000

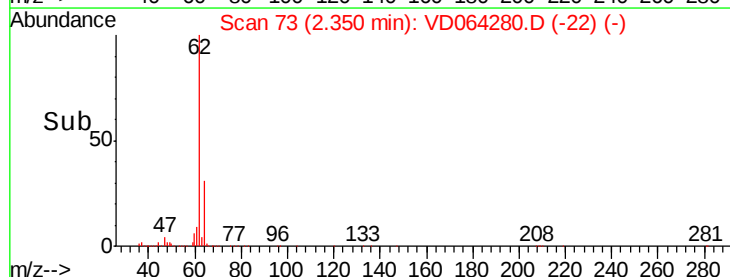
150000

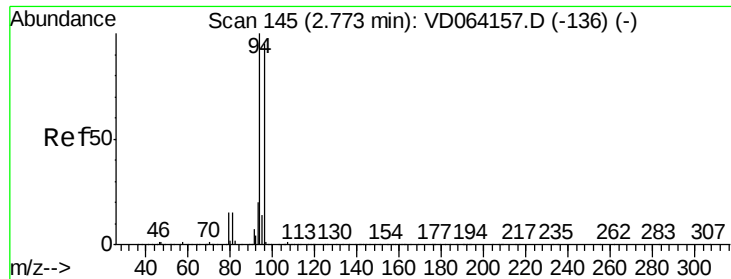
100000

50000

0

Time-->





#5

Bromomethane

Concen: 61.046 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

Instrument :

MSVOA_D

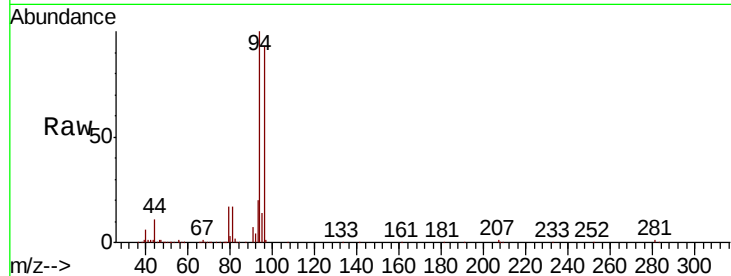
ClientSampled :

Tot Ion: 94 Resp: 232815

Ion Ratio Lower Upper

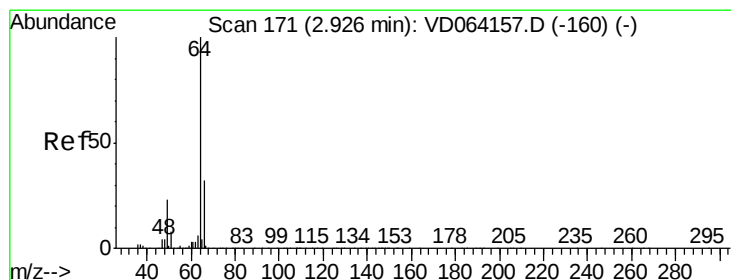
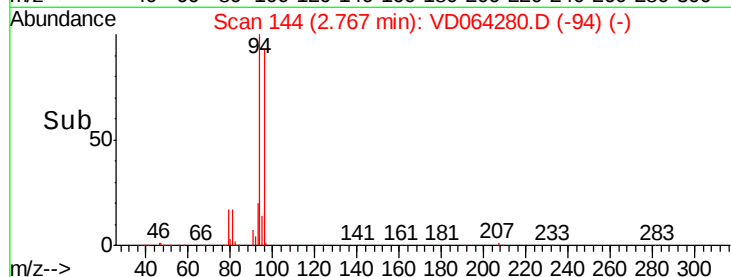
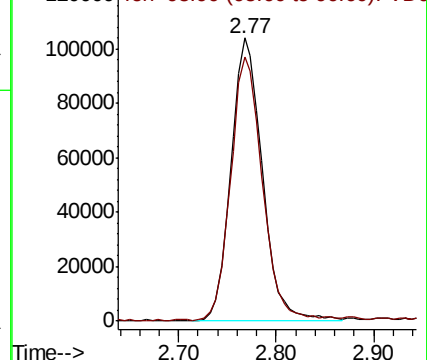
94 100

96 93.0 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: 60.041 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD064280.D

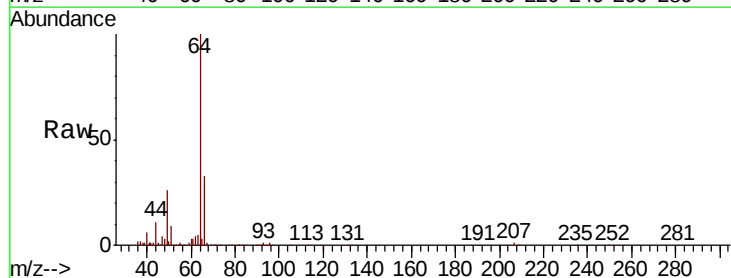
Acq: 19 Nov 2019 10:19

Tgt Ion: 64 Resp: 231711

Ion Ratio Lower Upper

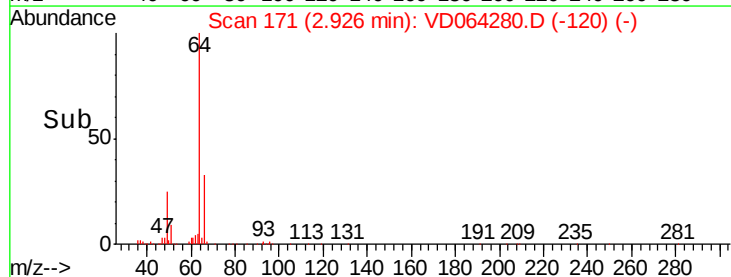
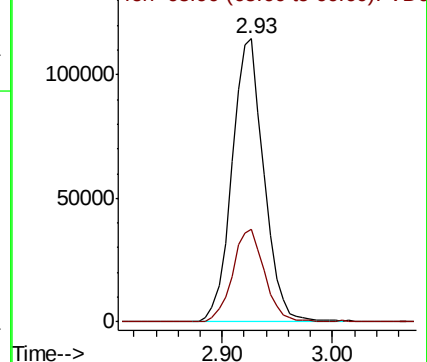
64 100

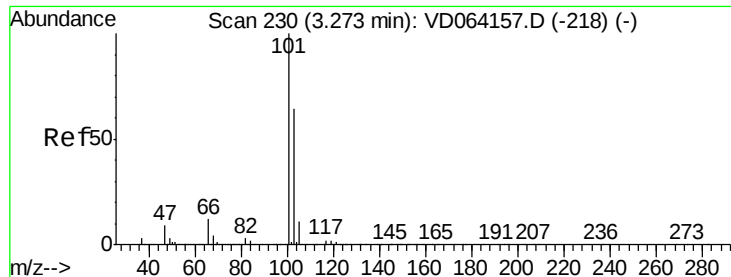
66 32.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



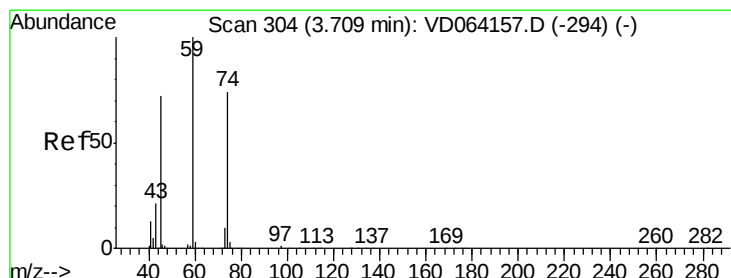
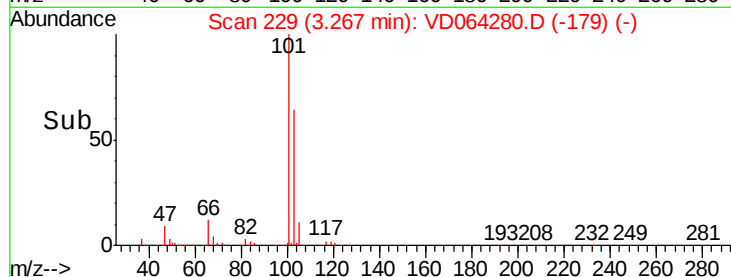
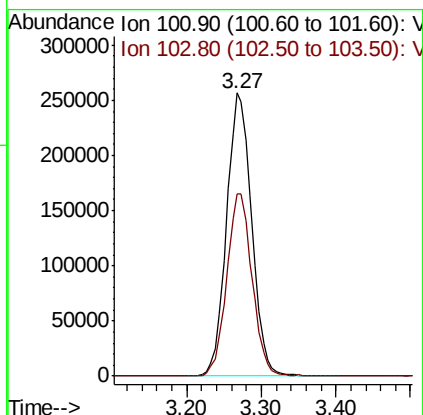
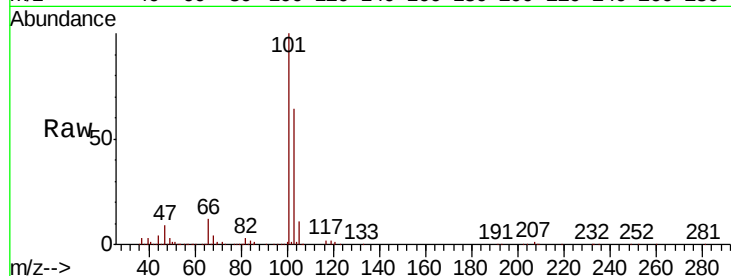


#7

Trichlorofluoromethane
Concen: 61.402 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064280.D
Acq: 19 Nov 2019 10:19

Instrument :
MSVOA_D
ClientSampleId :

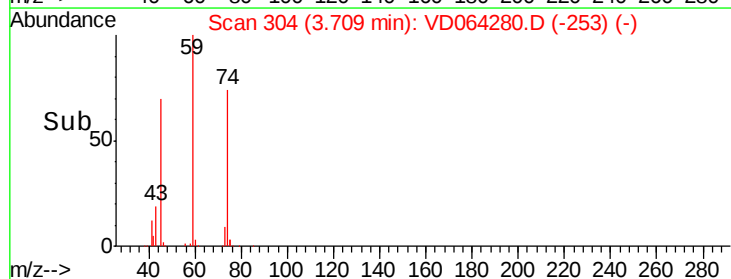
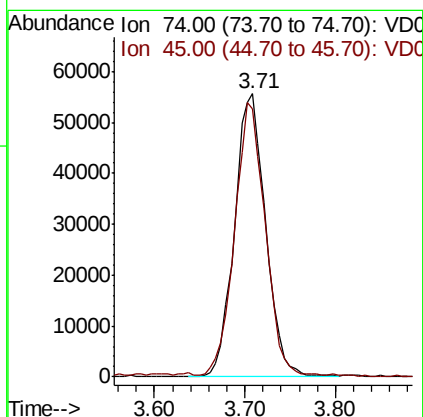
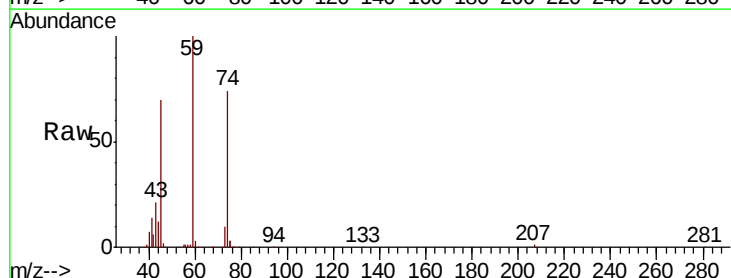
Tot Ion:101 Resp: 601248
Ion Ratio Lower Upper
101 100
103 64.4 50.8 76.2



#8

Diethyl Ether
Concen: 49.332 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064280.D
Acq: 19 Nov 2019 10:19

Tgt Ion: 74 Resp: 132823
Ion Ratio Lower Upper
74 100
45 93.1 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.398 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

Instrument :

MSVOA_D

ClientSampleId :

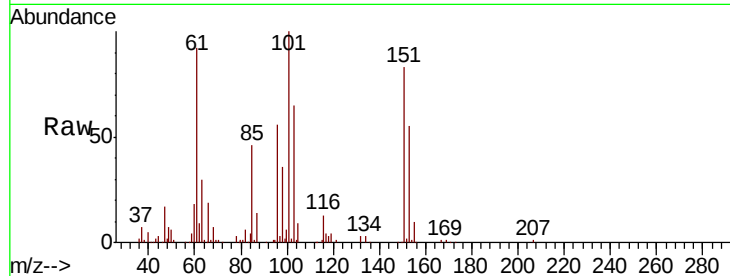
Tot Ion:101 Resp: 282067

Ion Ratio Lower Upper

101 100

85 43.4 34.4 51.6

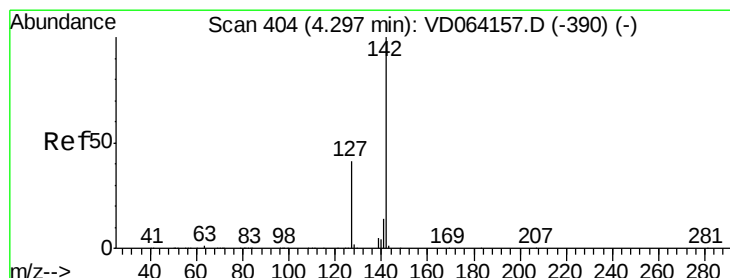
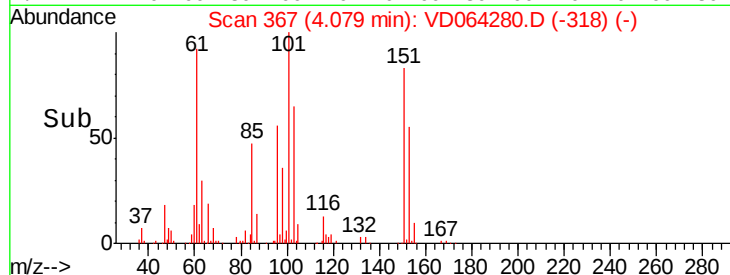
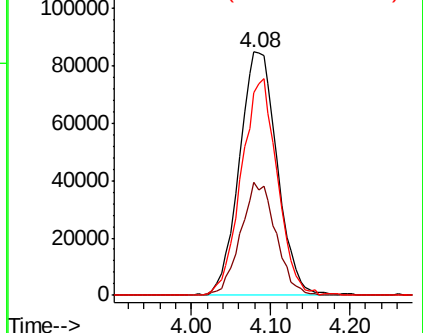
151 84.8 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.076 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

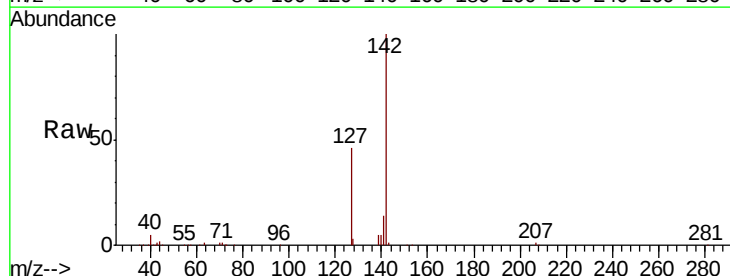
Tgt Ion:142 Resp: 299964

Ion Ratio Lower Upper

142 100

127 43.7 34.4 51.6

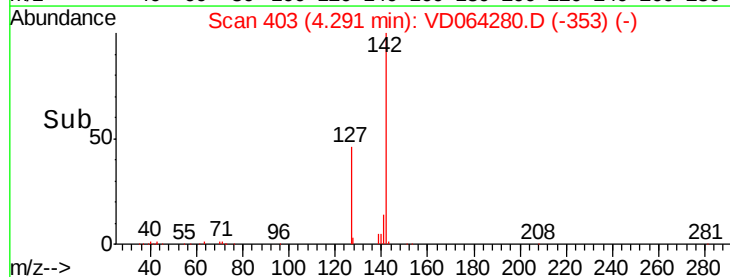
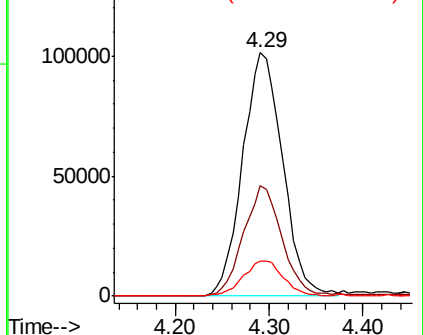
141 14.4 11.2 16.8

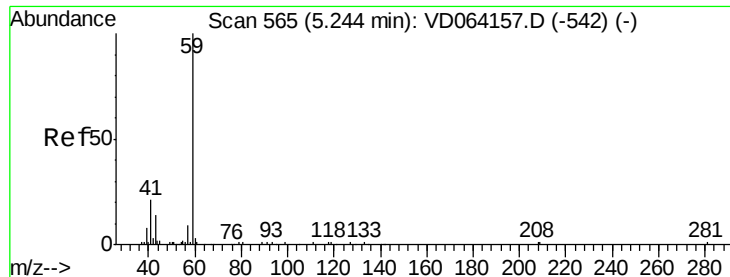


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



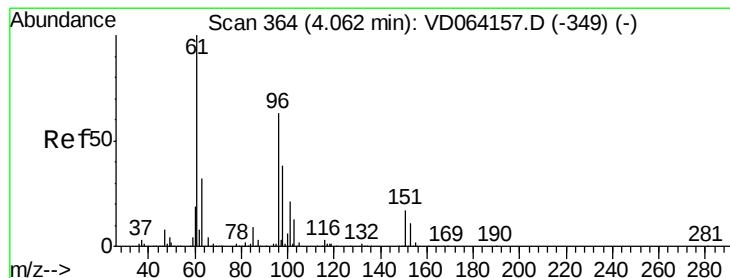
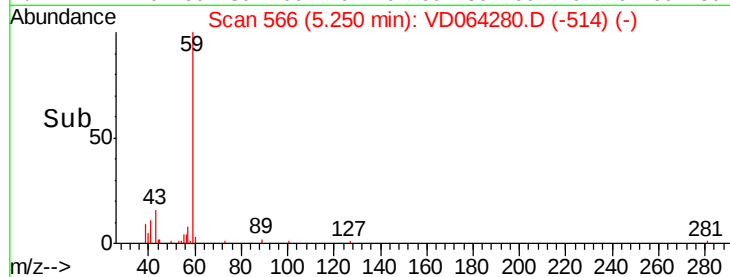
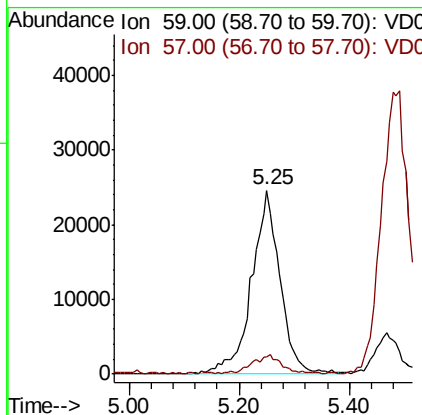
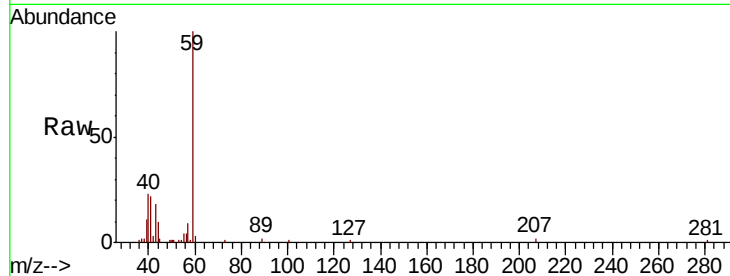


#11

Tert butyl alcohol
 Concen: 240.631 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD064280.D
 Acq: 19 Nov 2019 10:19

Instrument :
 MSVOA_D
 ClientSampleId :

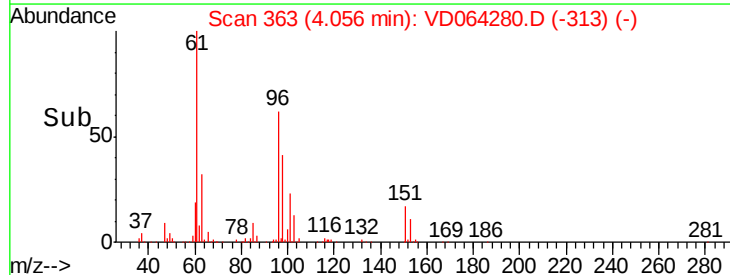
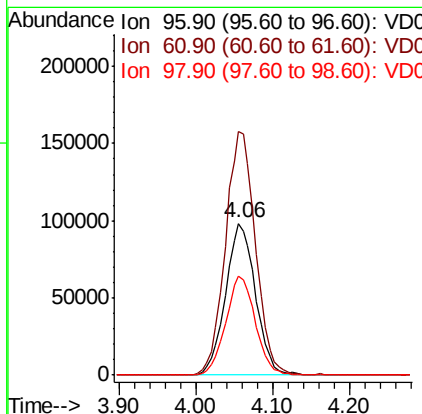
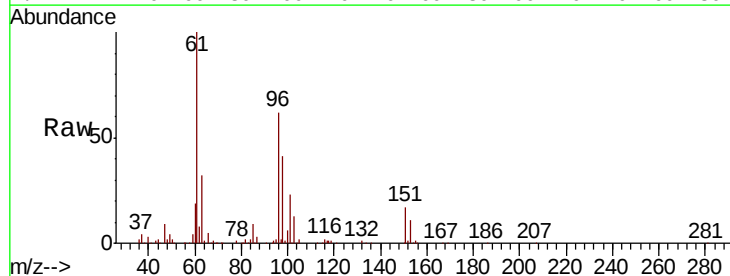
Tot Ion: 59 Resp: 87757
 Ion Ratio Lower Upper
 59 100
 57 11.3 9.4 14.2

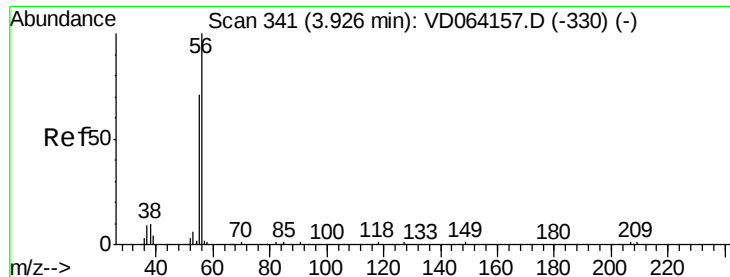


#12

1,1-Dichloroethene
 Concen: 50.015 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064280.D
 Acq: 19 Nov 2019 10:19

Tgt Ion: 96 Resp: 266811
 Ion Ratio Lower Upper
 96 100
 61 160.3 127.4 191.2
 98 65.1 48.1 72.1





#13

Acrolein

Concen: 270.459 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

Instrument :

MSVOA_D

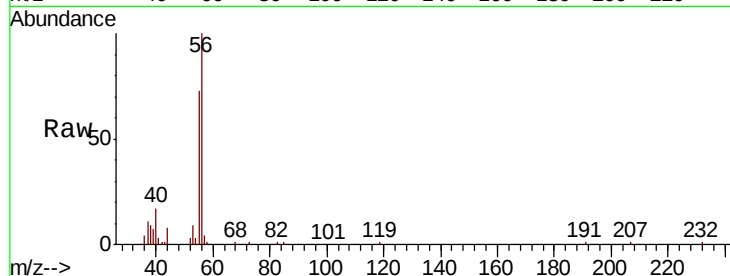
ClientSampleId :

Tot Ion: 56 Resp: 83443

Ion Ratio Lower Upper

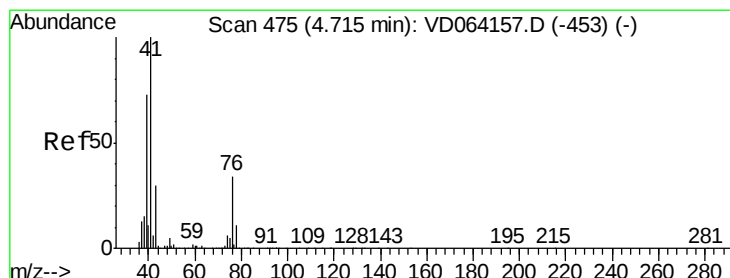
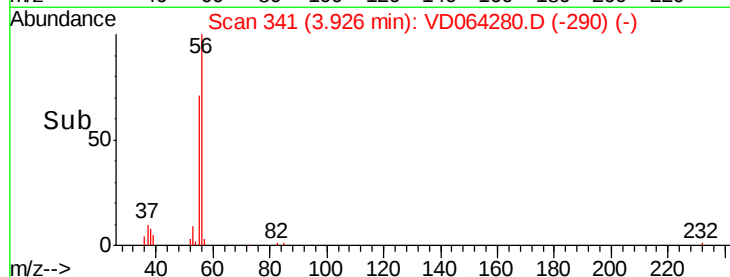
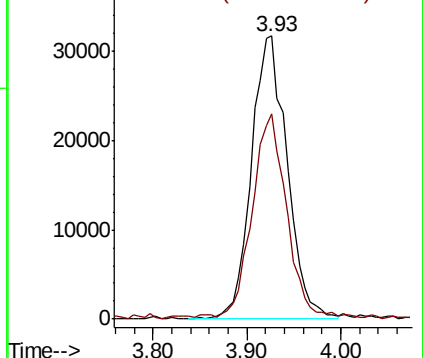
56 100

55 69.0 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: 45.538 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

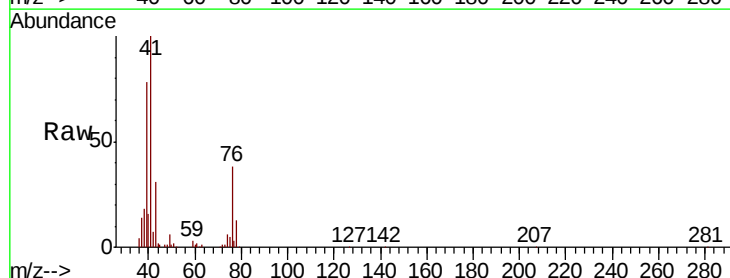
Tgt Ion: 41 Resp: 429521

Ion Ratio Lower Upper

41 100

39 75.8 57.5 86.3

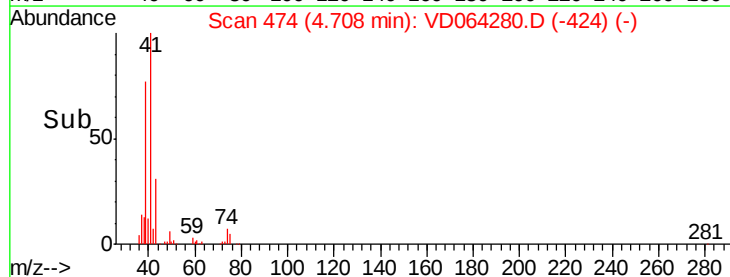
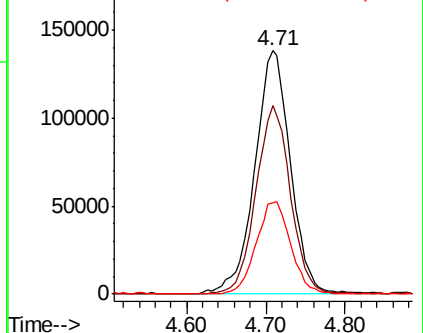
76 37.4 26.8 40.2

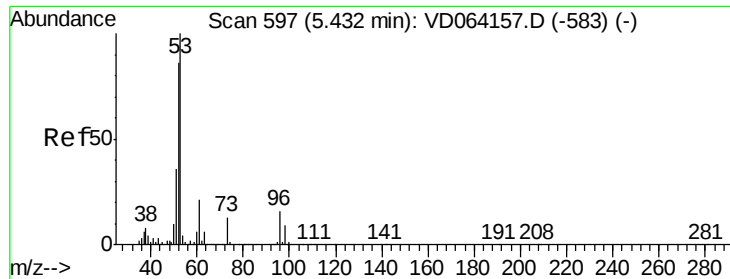


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 250.840 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

Instrument :

MSVOA_D

ClientSampleId :

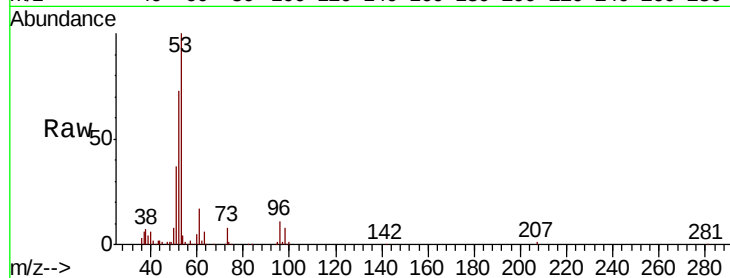
Tot Ion: 53 Resp: 287919

Ion Ratio Lower Upper

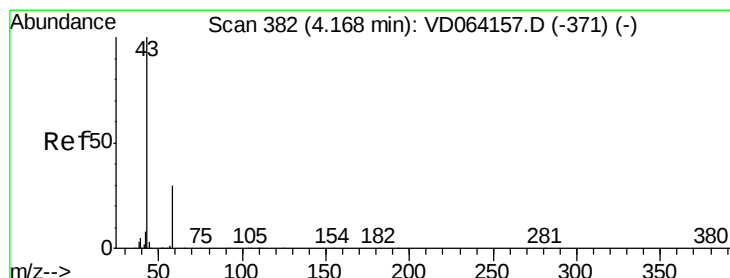
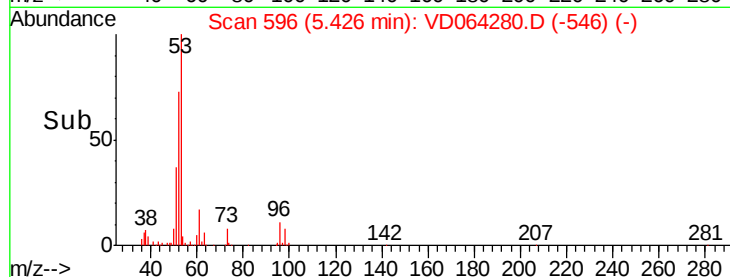
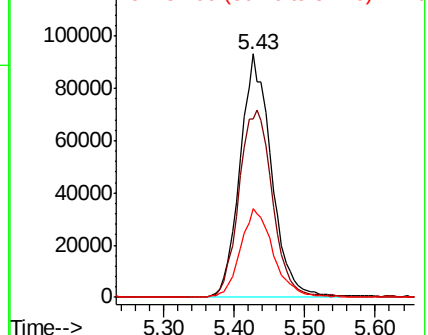
53 100

52 81.8 66.7 100.1

51 38.0 30.6 46.0



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



#16

Acetone

Concen: 244.871 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064280.D

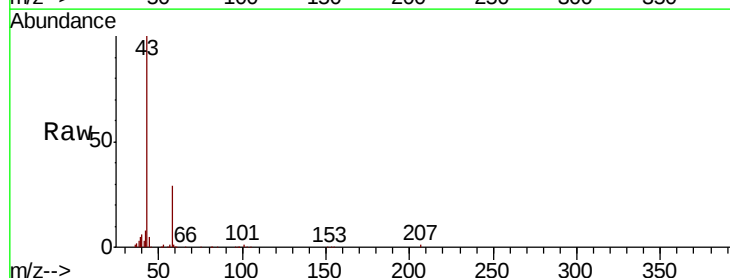
Acq: 19 Nov 2019 10:19

Tgt Ion: 43 Resp: 302897

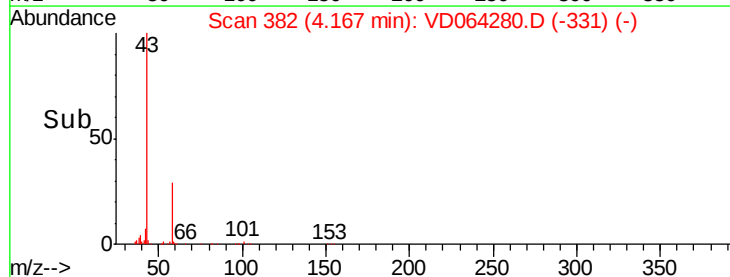
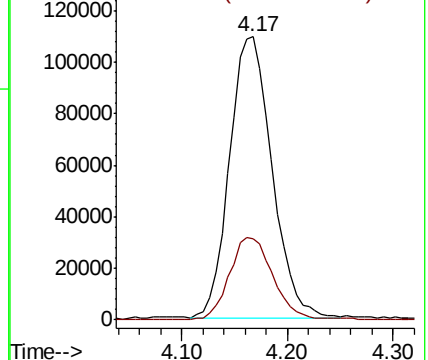
Ion Ratio Lower Upper

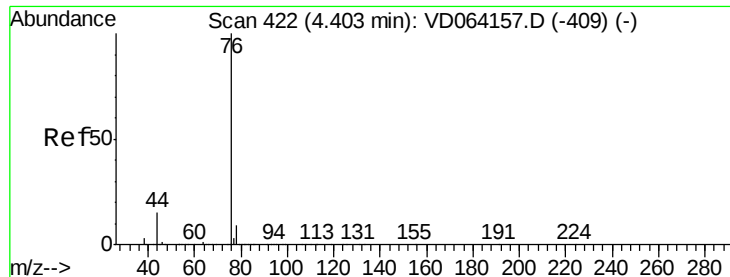
43 100

58 29.0 24.1 36.1



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

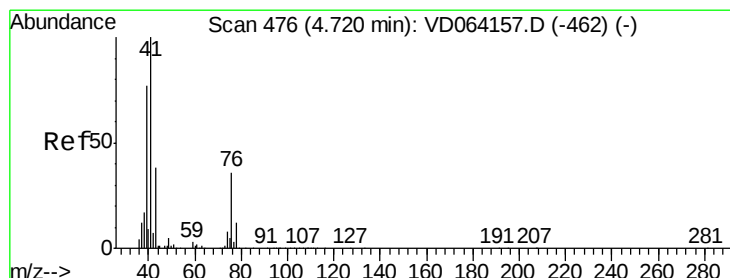
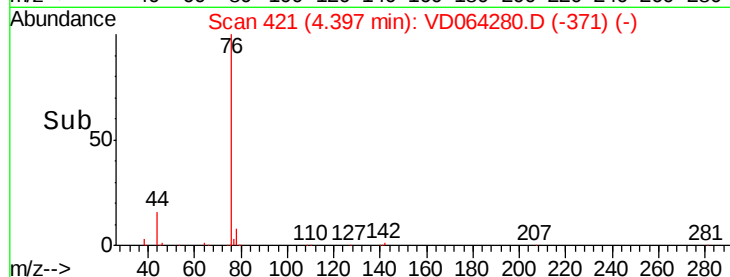
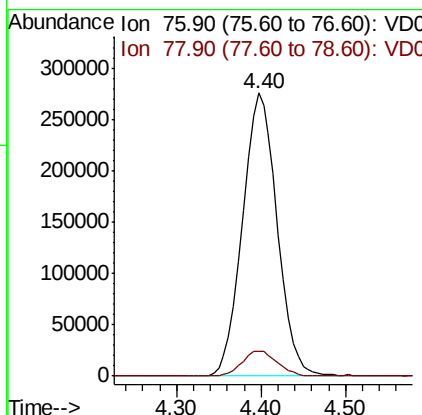
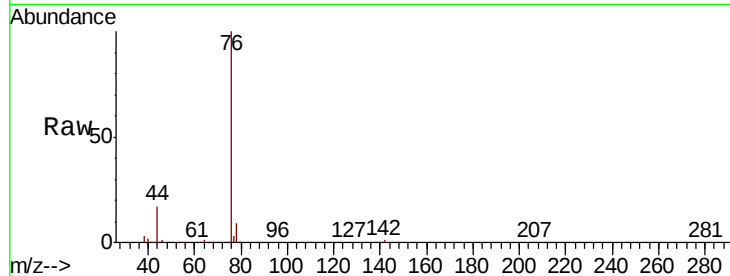




#17
Carbon Disulfide
Concen: 47.086 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064280.D
Acq: 19 Nov 2019 10:19

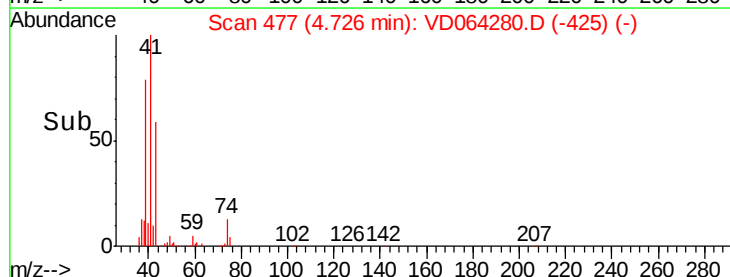
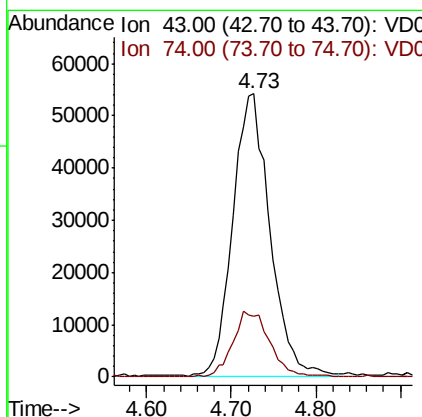
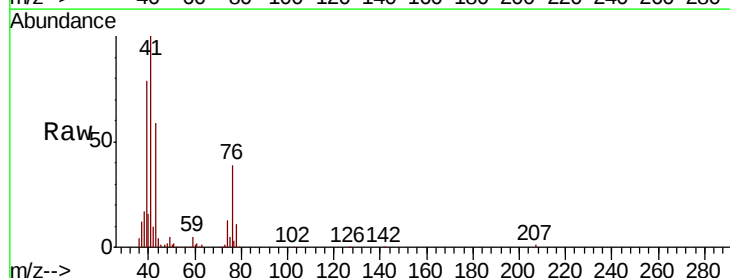
Instrument :
MSVOA_D
ClientSampleId :

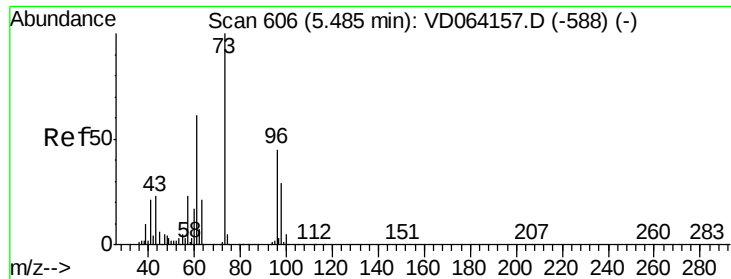
Tot Ion: 76 Resp: 782263
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8



#18
Methyl Acetate
Concen: 48.146 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD064280.D
Acq: 19 Nov 2019 10:19

Tgt Ion: 43 Resp: 166338
Ion Ratio Lower Upper
43 100
74 22.7 18.4 27.6

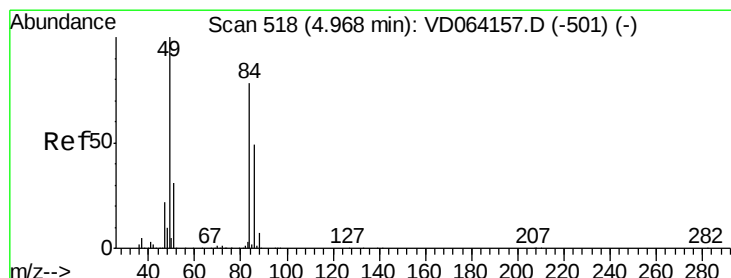
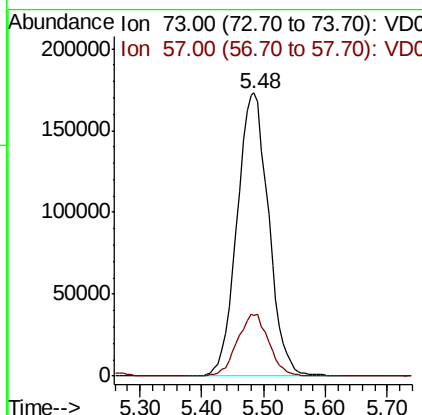
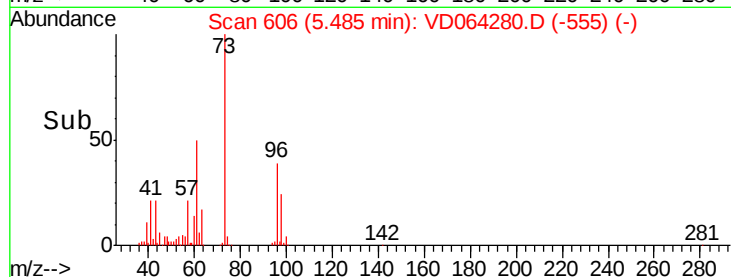
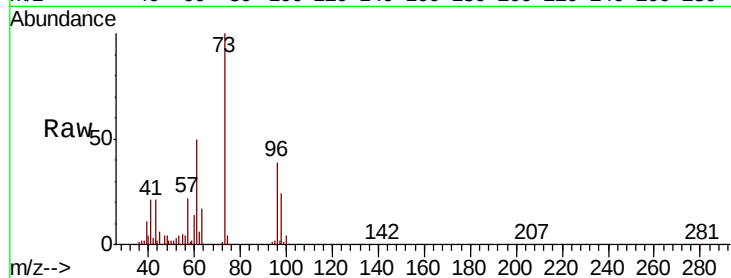




#19
Methvl tert-butvl Ether
Concen: 48.236 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064280.D
Acq: 19 Nov 2019 10:19

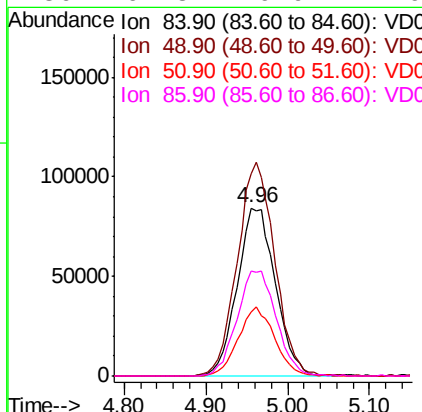
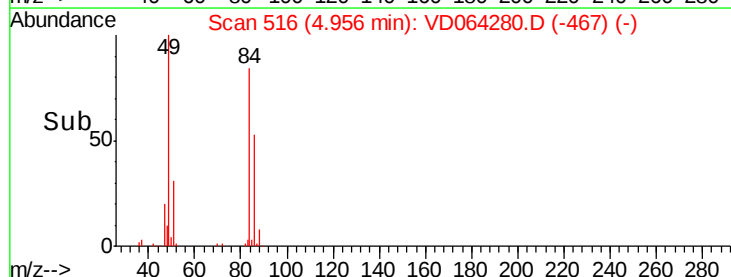
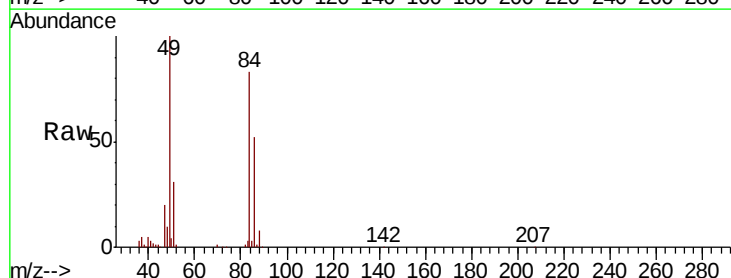
Instrument :
MSVOA_D
ClientSampleId :

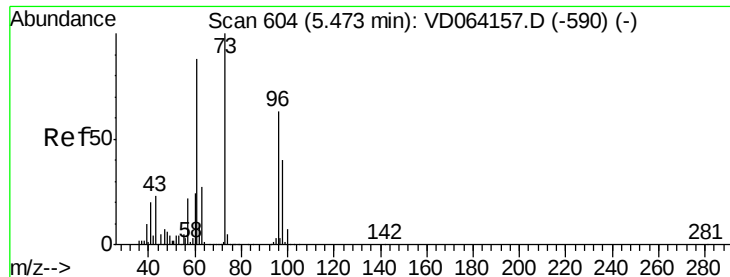
Tot Ion: 73 Resp: 614302
Ion Ratio Lower Upper
73 100
57 21.5 18.4 27.6



#20
Methylene Chloride
Concen: 43.923 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064280.D
Acq: 19 Nov 2019 10:19

Tgt Ion: 84 Resp: 274447
Ion Ratio Lower Upper
84 100
49 120.4 102.1 153.1
51 37.7 32.2 48.2
86 62.8 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 49.272 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

Instrument :

MSVOA_D

ClientSampleId :

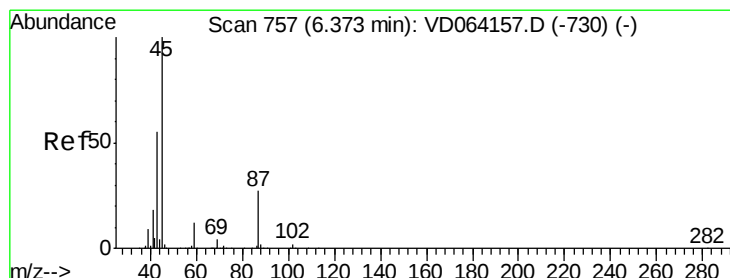
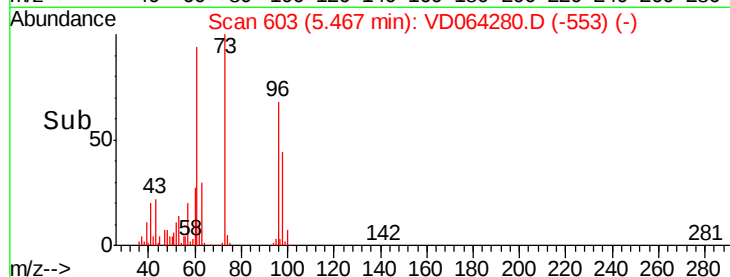
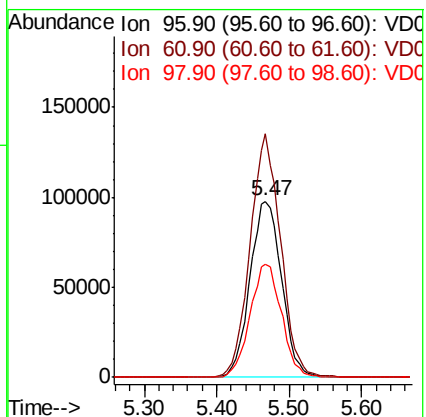
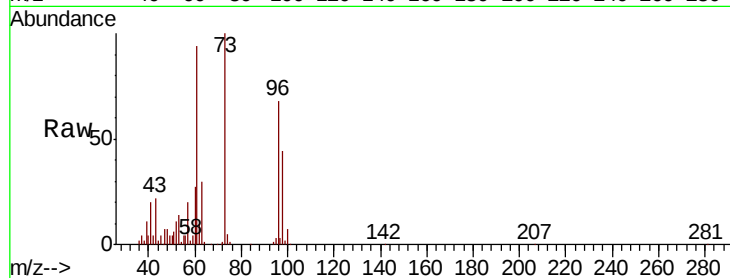
Tot Ion: 96 Resp: 297803

Ion Ratio Lower Upper

96 100

61 138.2 111.8 167.6

98 64.4 50.3 75.5



#22

Diisopropyl ether

Concen: 47.609 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

Tgt Ion: 45 Resp: 833187

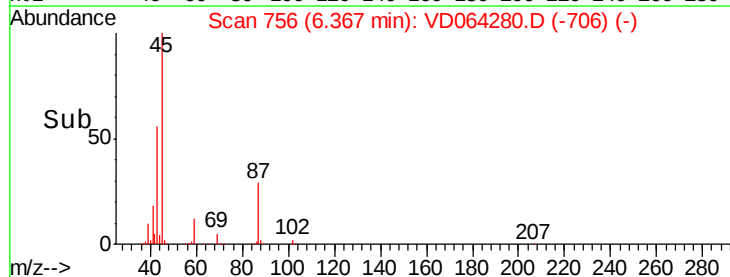
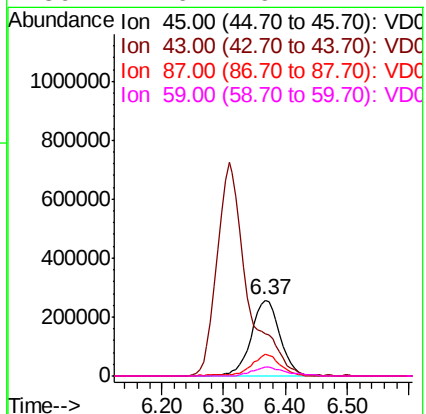
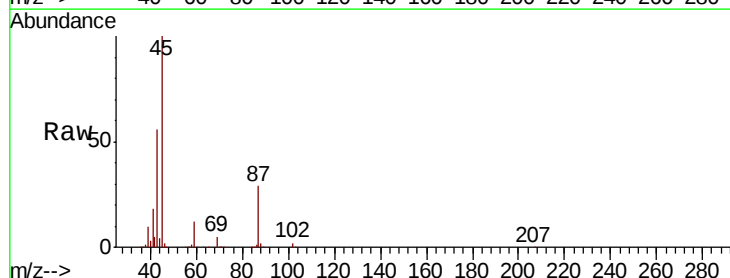
Ion Ratio Lower Upper

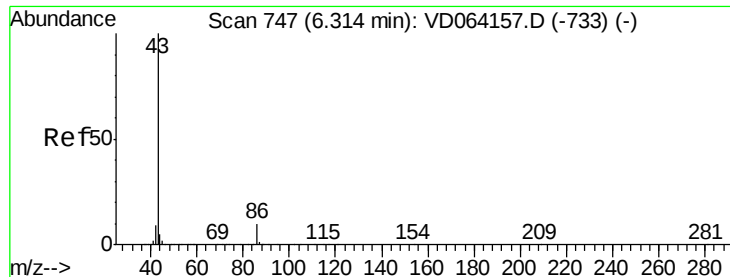
45 100

43 55.2 44.4 66.6

87 28.7 21.9 32.9

59 11.6 9.4 14.2





#23

Vinyl Acetate

Concen: 250.964 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

Instrument :

MSVOA_D

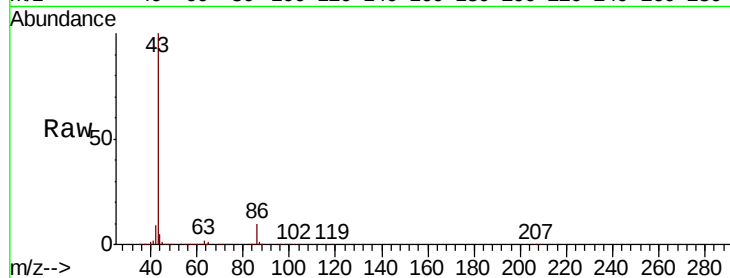
ClientSampleId :

Tot Ion: 43 Resp: 2448240

Ion Ratio Lower Upper

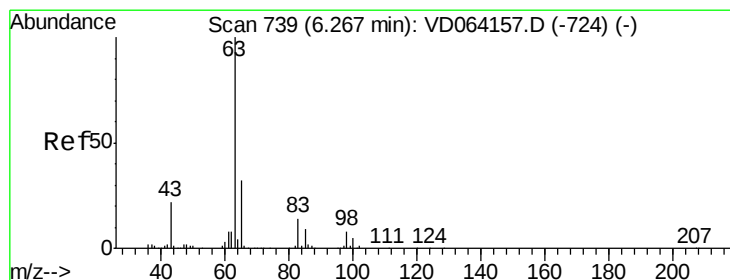
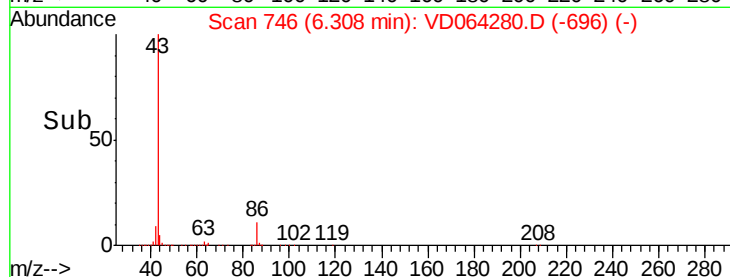
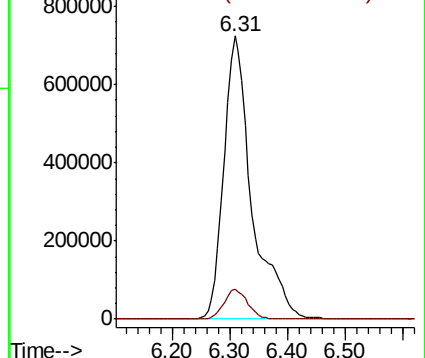
43 100

86 10.5 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.953 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

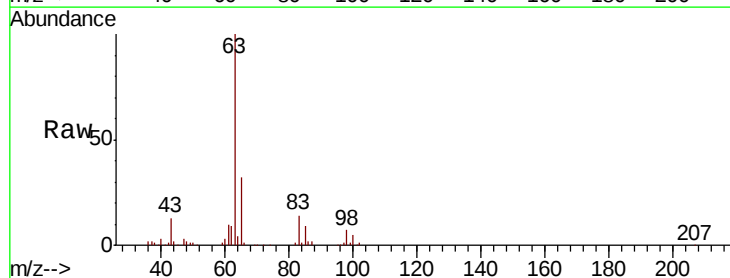
Tgt Ion: 63 Resp: 497432

Ion Ratio Lower Upper

63 100

98 7.3 3.8 11.4

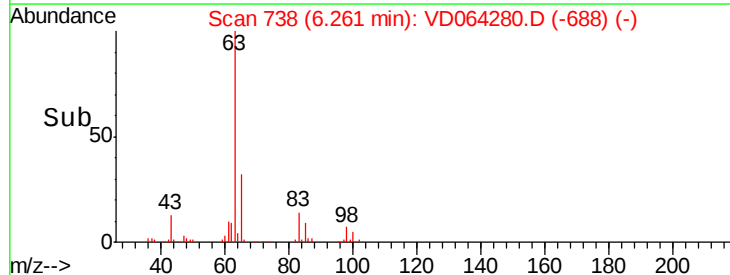
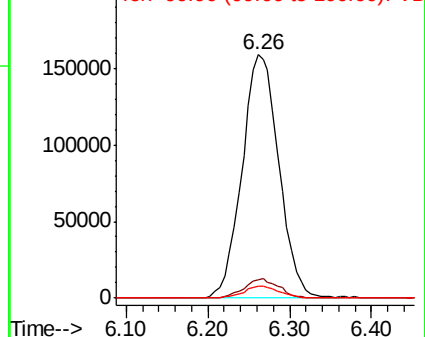
100 4.8 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 242.785 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

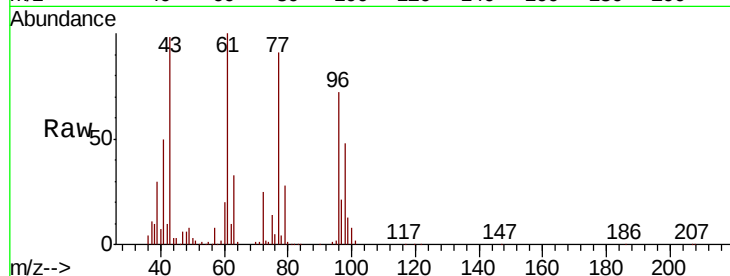
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 387992

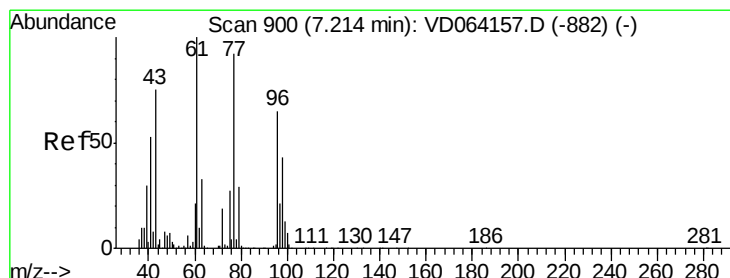
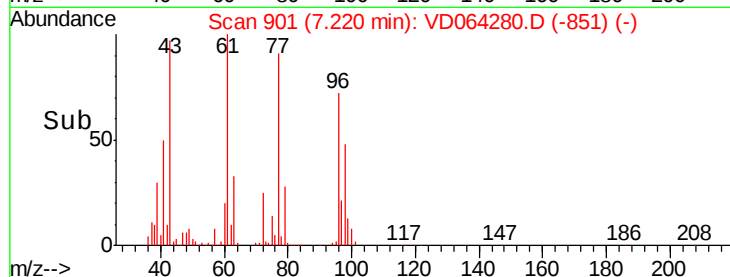
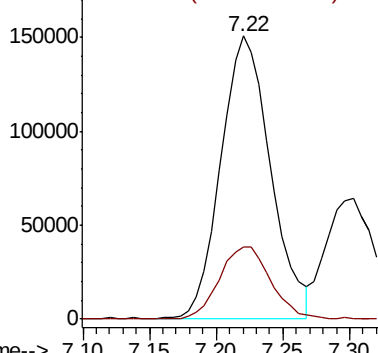
Ion Ratio Lower Upper

43 100

72 25.4 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 47.616 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064280.D

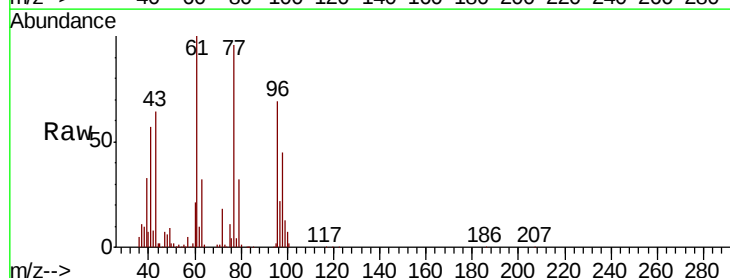
Acq: 19 Nov 2019 10:19

Tgt Ion: 77 Resp: 474501

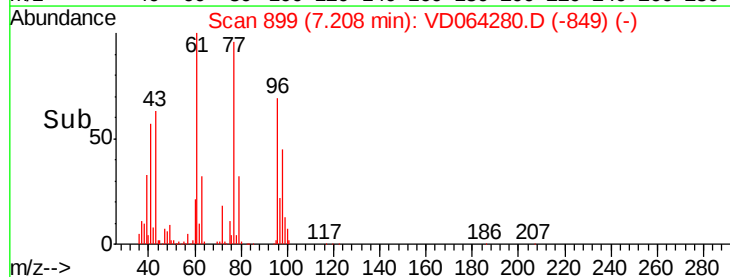
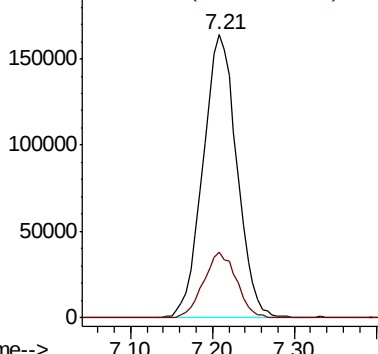
Ion Ratio Lower Upper

77 100

97 22.7 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



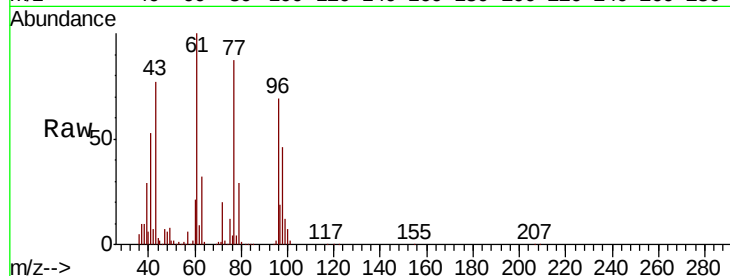


#27

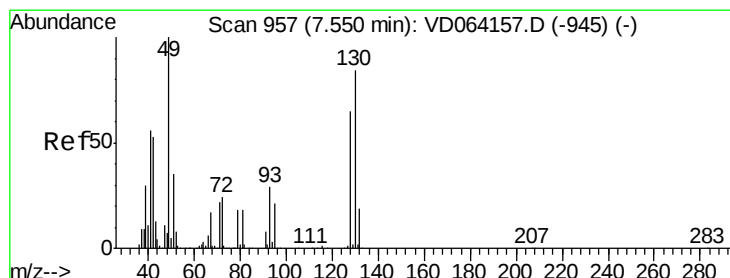
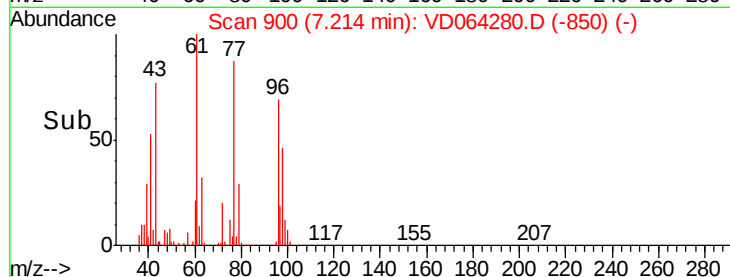
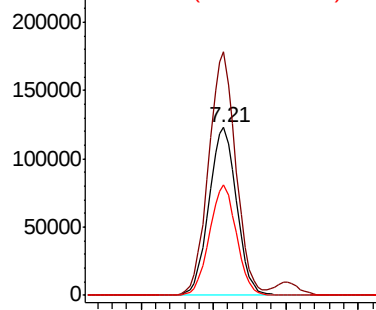
cis-1,2-Dichloroethene
 Concen: 50.442 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD064280.D
 Acq: 19 Nov 2019 10:19

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion	96	Resp	326943
Ion	Ratio	Lower	Upper
96	100		
61	142.2	0.0	301.4
98	64.1	0.0	133.2



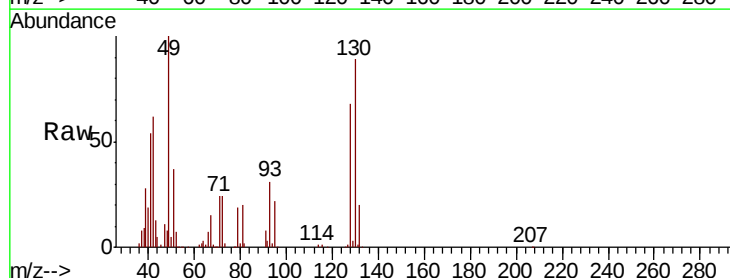
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



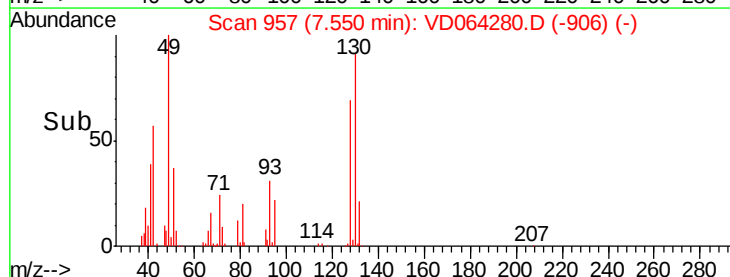
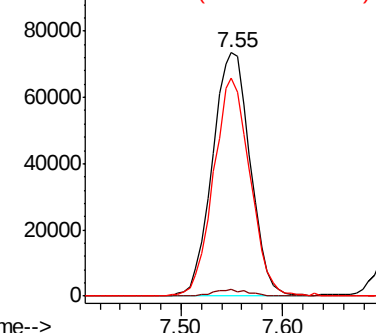
#28

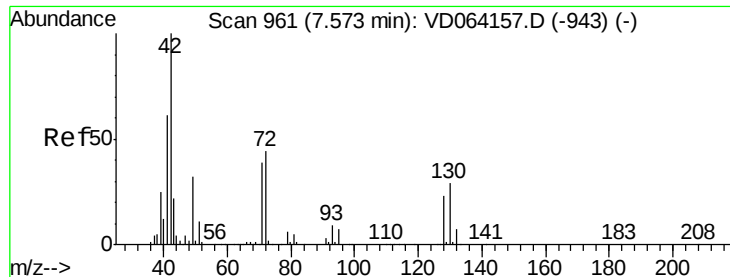
Bromochloromethane
 Concen: 53.756 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD064280.D
 Acq: 19 Nov 2019 10:19

Tgt Ion	49	Resp	190173
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.4
130	86.6	66.8	100.2



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

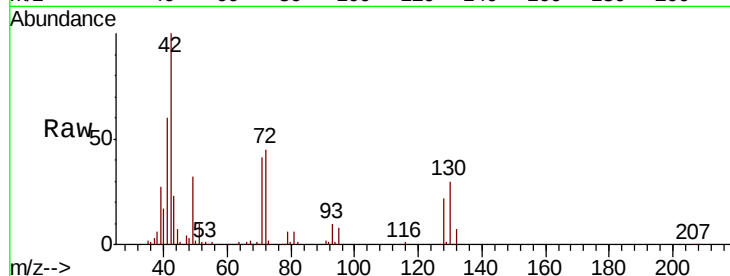




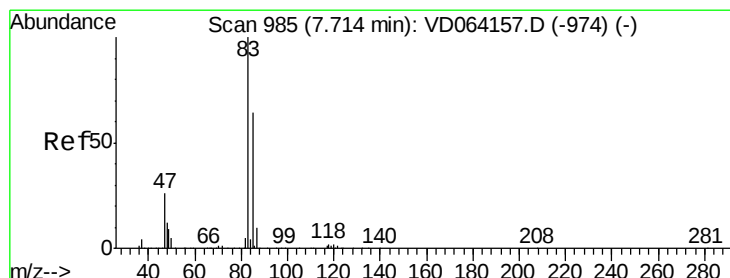
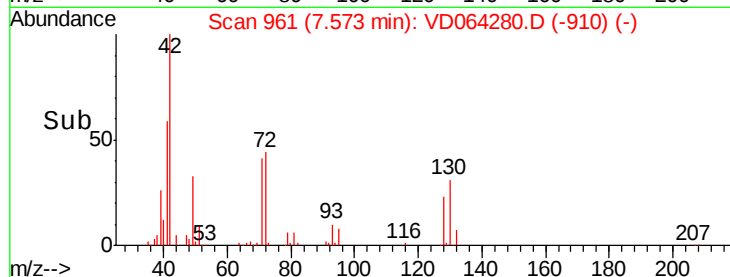
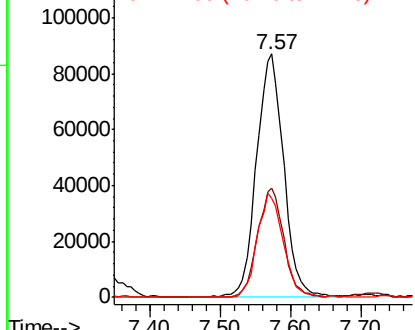
#29
Tetrahydrofuran
Concen: 245.370 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064280.D
Acq: 19 Nov 2019 10:19

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 235596
Ion Ratio Lower Upper
42 100
72 43.1 33.4 50.2
71 40.6 31.0 46.4

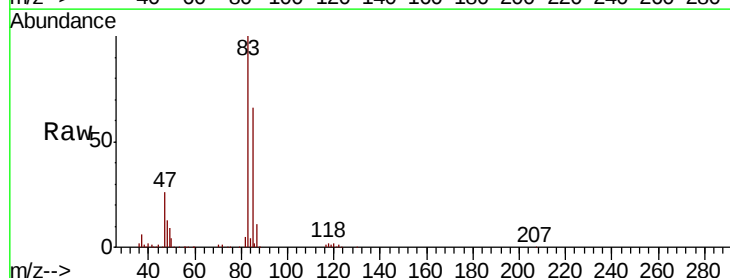


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

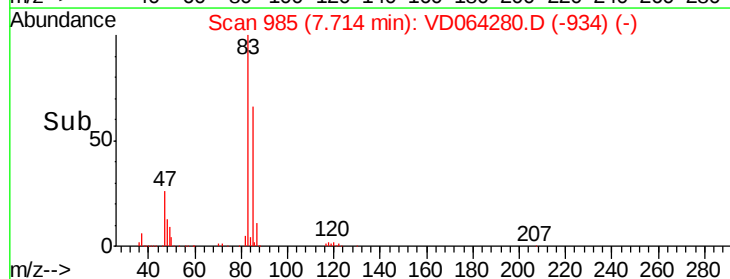
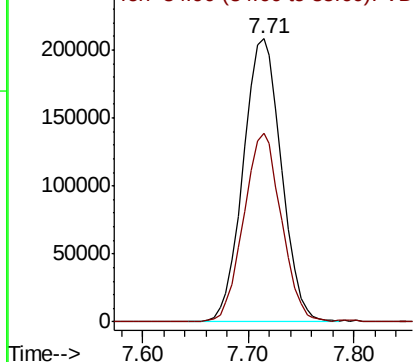


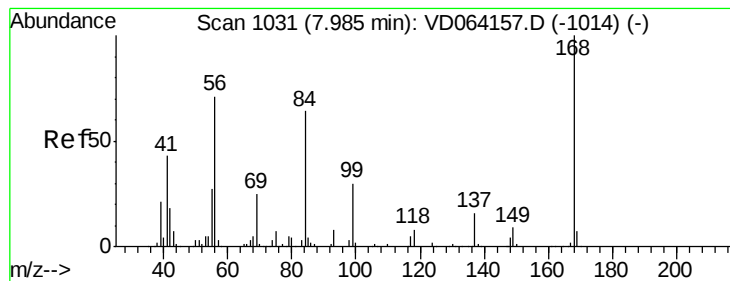
#30
Chloroform
Concen: 50.298 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064280.D
Acq: 19 Nov 2019 10:19

Tgt Ion: 83 Resp: 522801
Ion Ratio Lower Upper
83 100
85 66.4 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: 45.960 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

Instrument :
MSVOA_D
ClientSampleId :

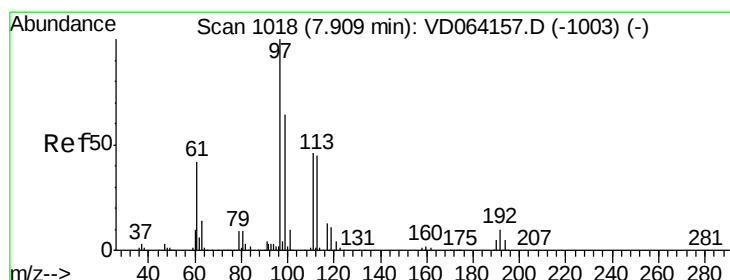
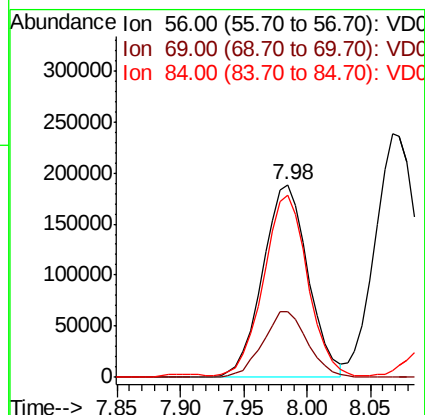
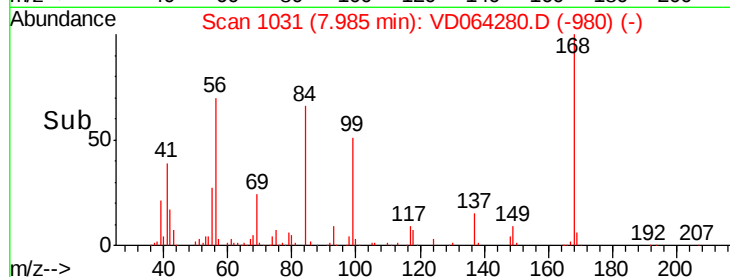
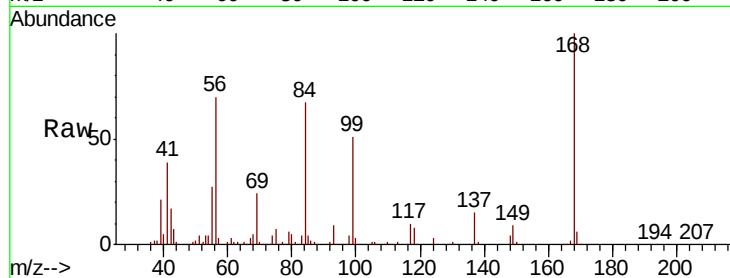
Tot Ion: 56 Resp: 471005

Ion Ratio Lower Upper

56 100

69 33.8 28.2 42.4

84 92.8 71.8 107.6



#32

1,1,1-Trichloroethane

Concen: 49.432 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

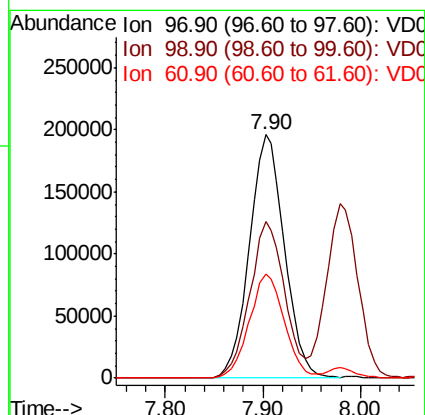
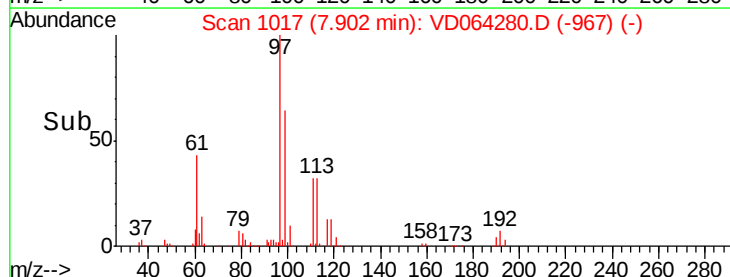
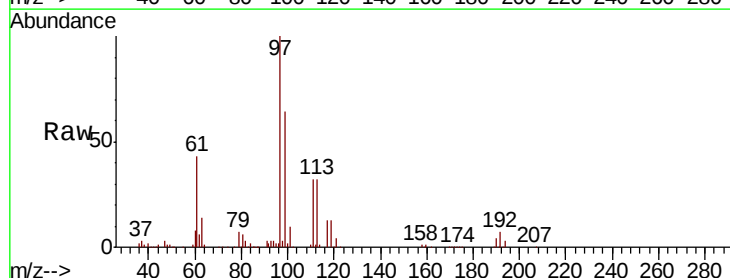
Tgt Ion: 97 Resp: 491975

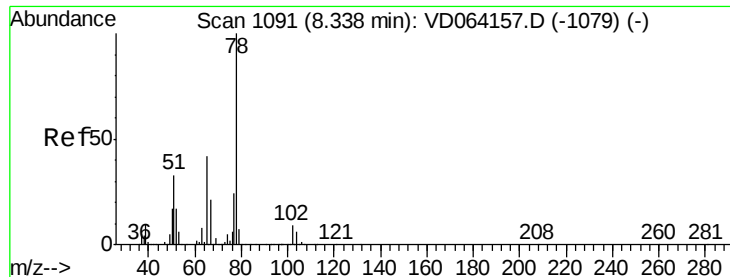
Ion Ratio Lower Upper

97 100

99 64.3 51.6 77.4

61 43.0 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 47.968 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

Instrument :

MSVOA_D

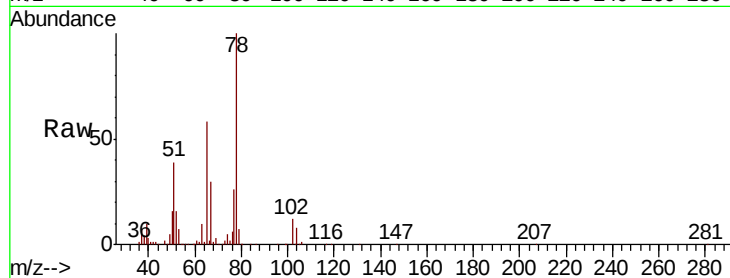
ClientSampleId :

Tot Ion: 65 Resp: 250460

Ion Ratio Lower Upper

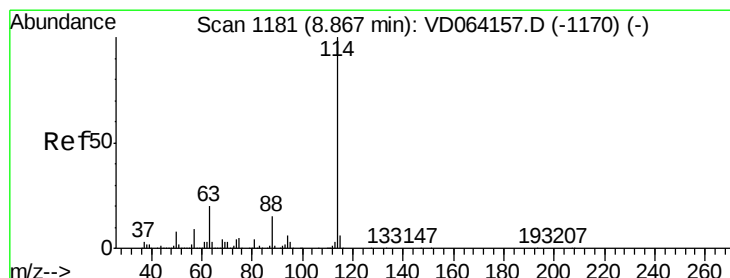
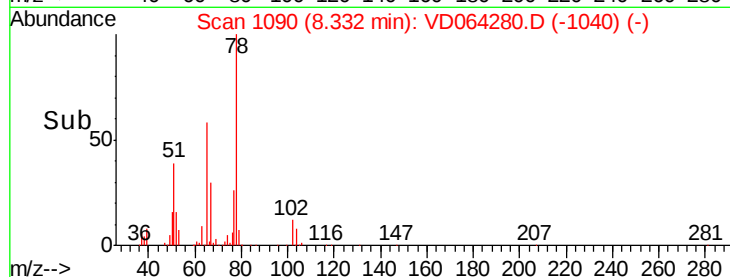
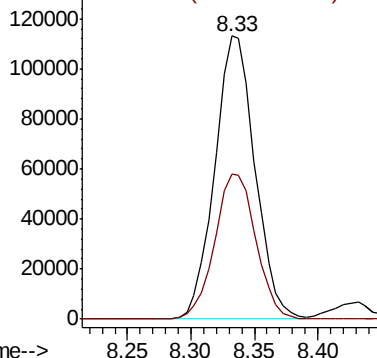
65 100

67 52.2 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

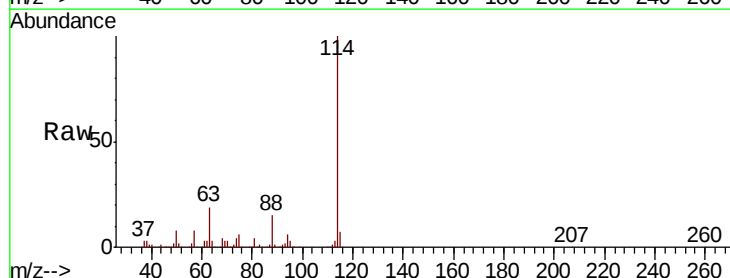
Tgt Ion: 114 Resp: 899796

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

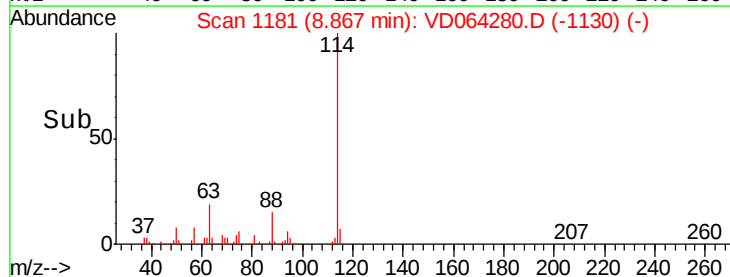
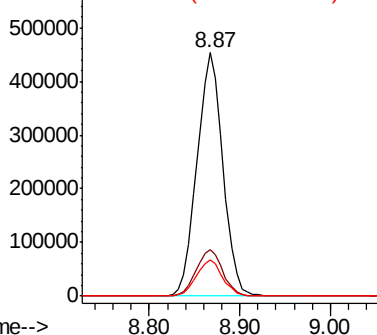
88 14.8 0.0 30.2

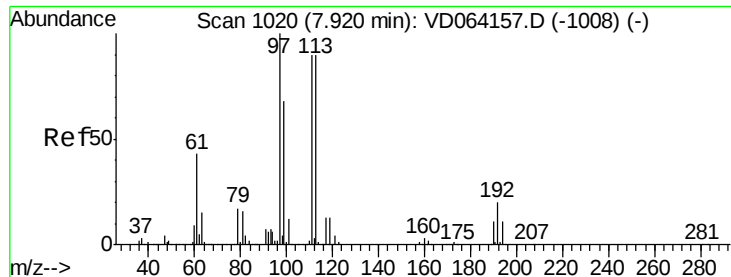


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

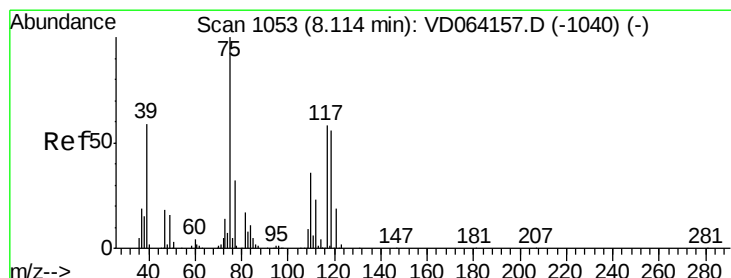
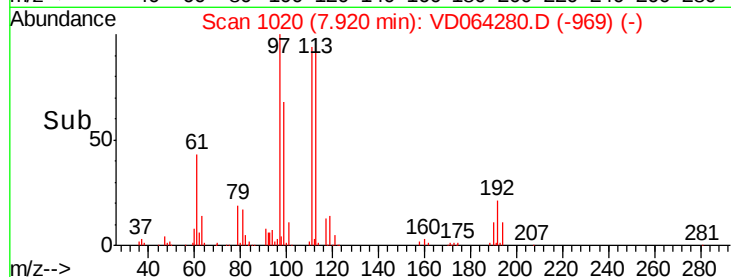
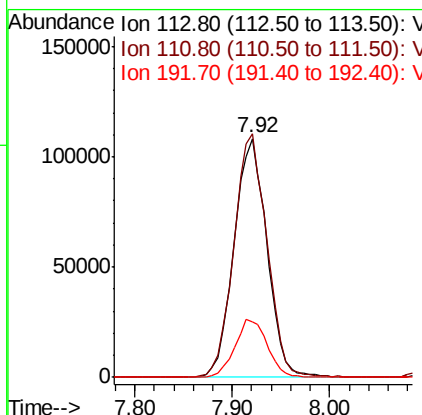
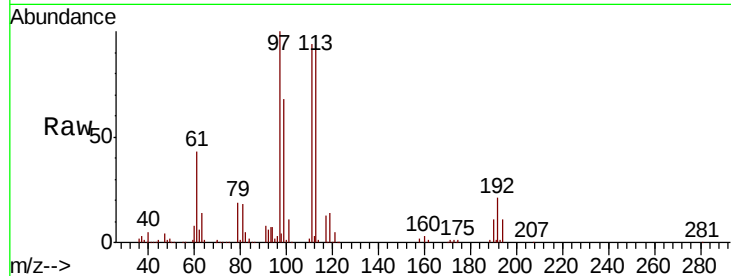




#35
 Dibromofluoromethane
 Concen: 49.114 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064280.D
 Acq: 19 Nov 2019 10:19

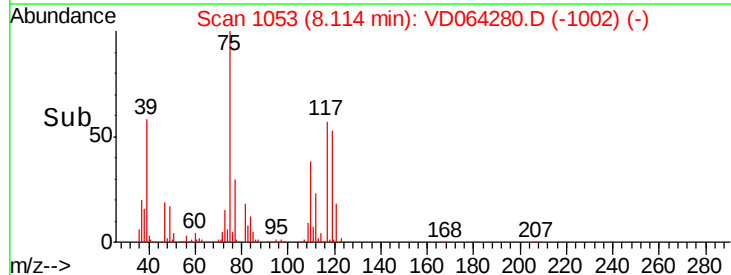
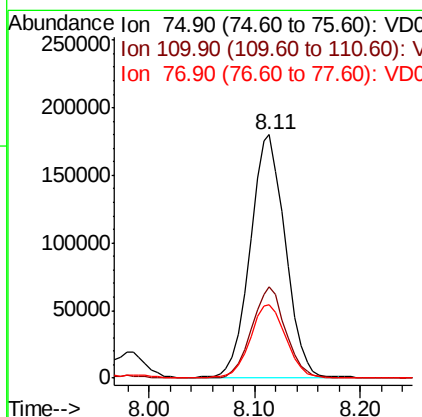
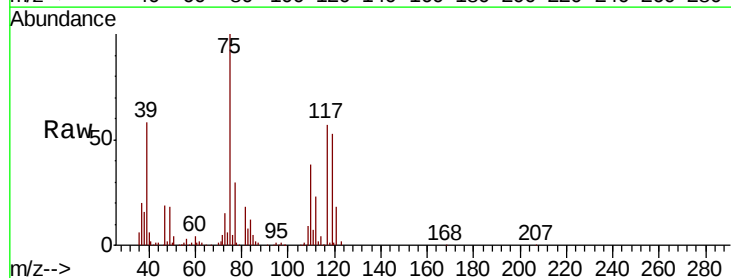
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.5	122.3
192	23.7	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 49.920 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064280.D
 Acq: 19 Nov 2019 10:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.3	54.9
77	30.5	25.0	37.6

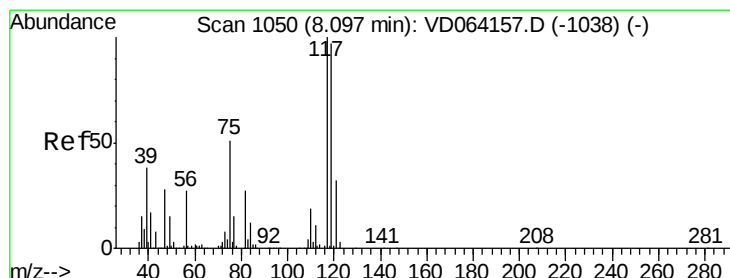
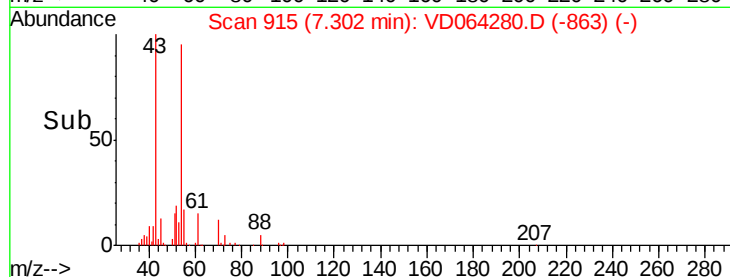
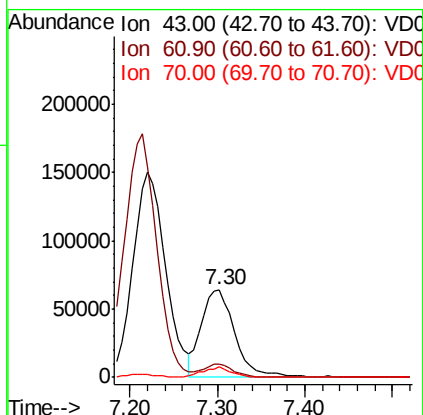
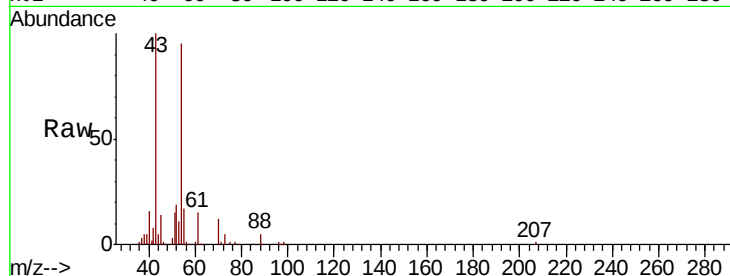




#37
Ethyl Acetate
Concen: 48.504 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064280.D
Acq: 19 Nov 2019 10:19

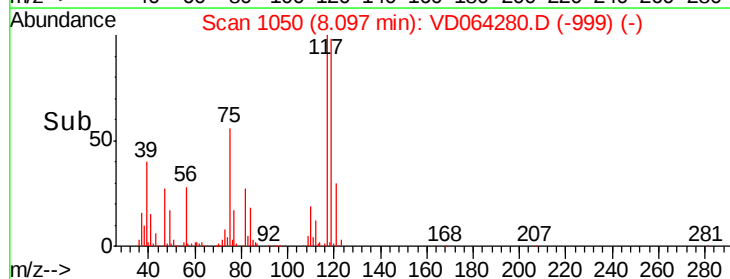
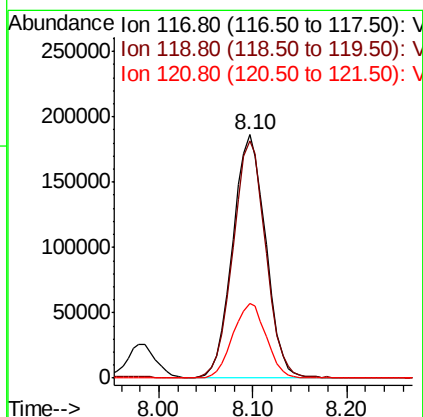
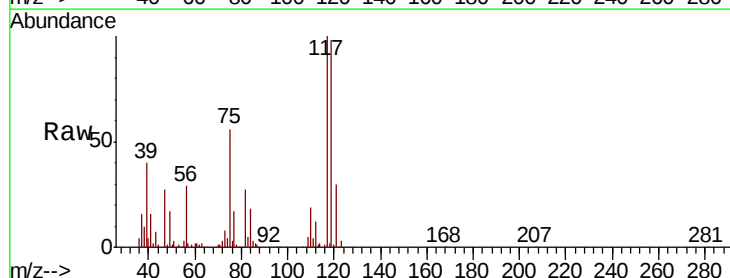
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 169809
Ion Ratio Lower Upper
43 100
61 13.2 10.2 15.2
70 10.0 8.5 12.7



#38
Carbon Tetrachloride
Concen: 50.977 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064280.D
Acq: 19 Nov 2019 10:19

Tgt Ion: 117 Resp: 452969
Ion Ratio Lower Upper
117 100
119 97.8 77.2 115.8
121 30.5 25.5 38.3

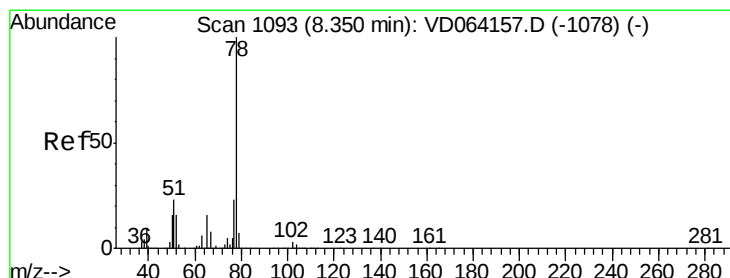
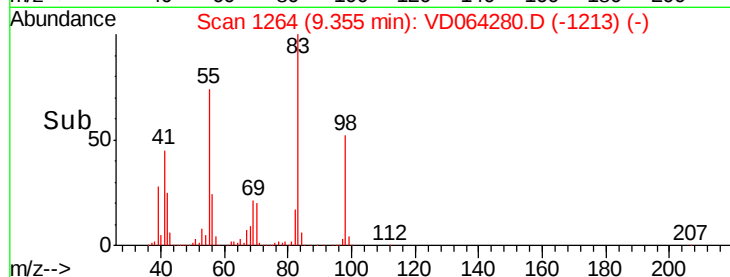
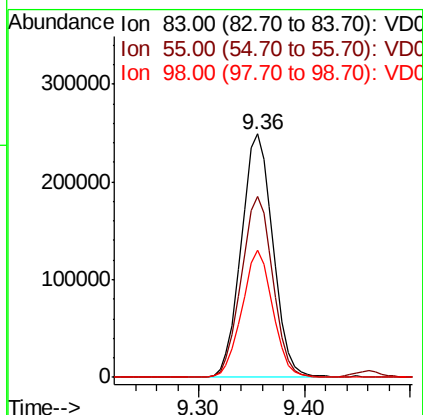
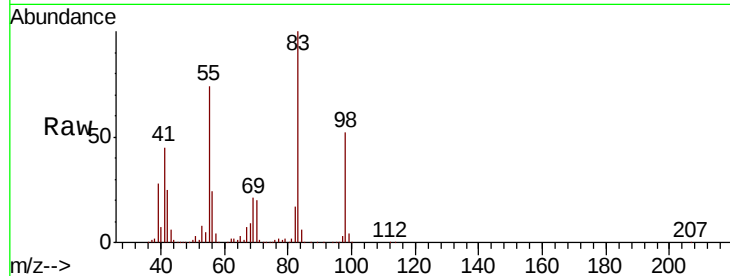




#39
Methvlcvclohexane
Concen: 49.501 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064280.D
Acq: 19 Nov 2019 10:19

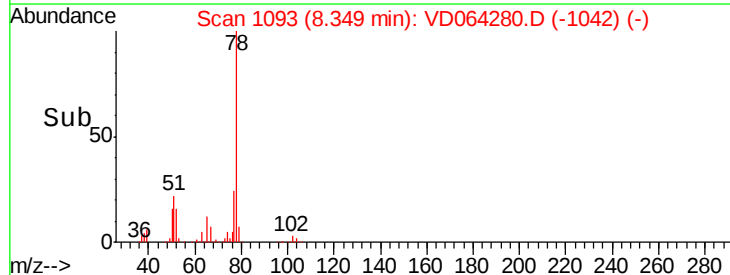
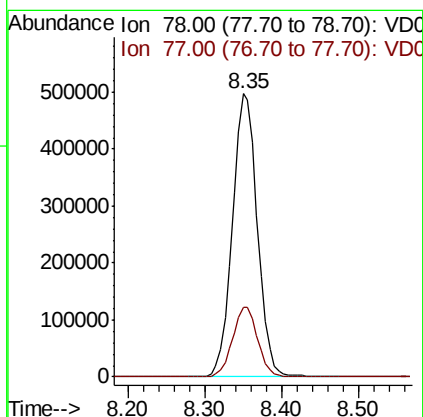
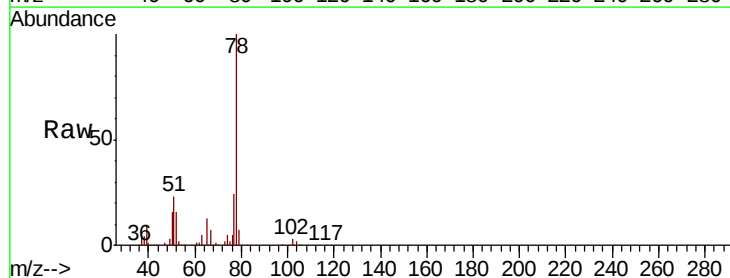
Instrument :
MSVOA_D
ClientSampleId :

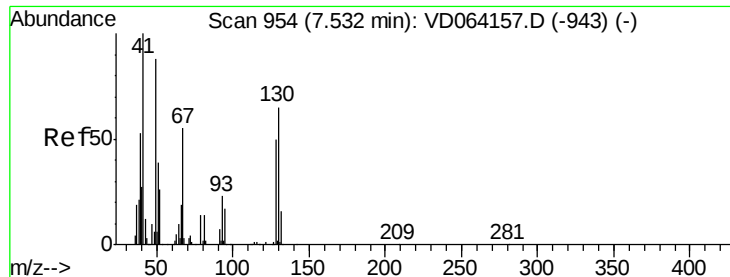
Tot Ion: 83 Resp: 520150
Ion Ratio Lower Upper
83 100
55 74.3 61.7 92.5
98 52.1 38.6 58.0



#40
Benzene
Concen: 49.481 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064280.D
Acq: 19 Nov 2019 10:19

Tgt Ion: 78 Resp: 1123009
Ion Ratio Lower Upper
78 100
77 24.4 18.6 28.0





#41

Methacrylonitrile

Concen: 44.462 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 97834

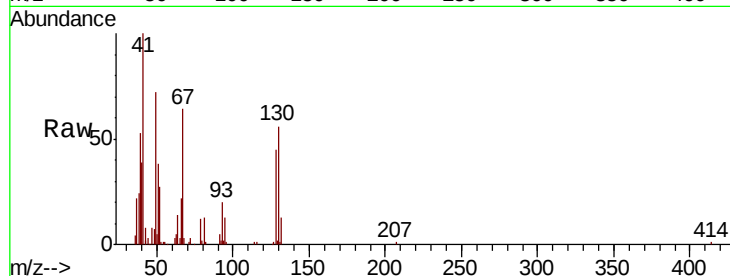
Ion Ratio Lower Upper

41 100

39 47.5 49.4 74.2#

67 71.8 49.6 74.4

52 30.7 21.4 32.0

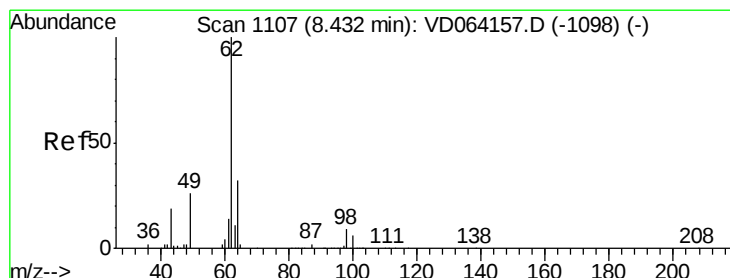
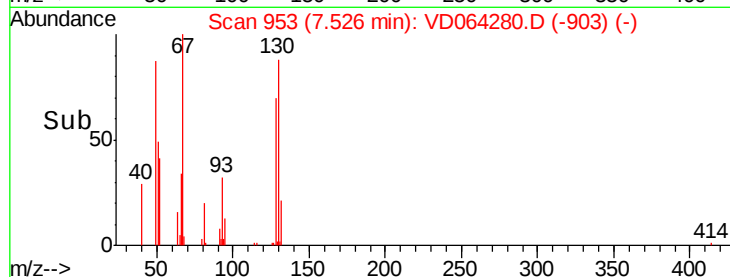
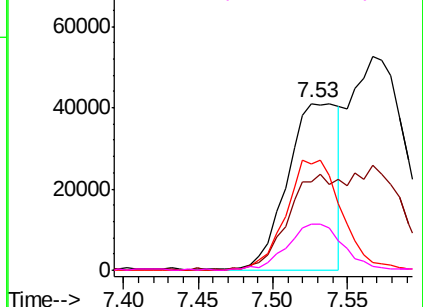


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 47.920 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064280.D

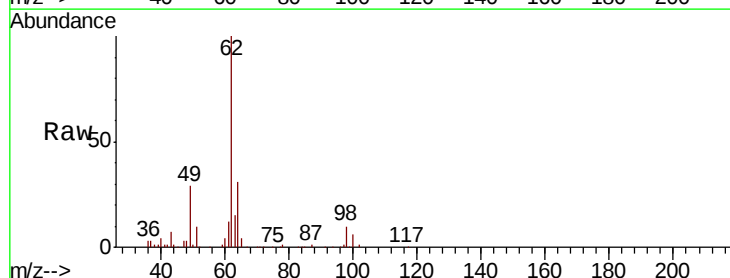
Acq: 19 Nov 2019 10:19

Tgt Ion: 62 Resp: 326649

Ion Ratio Lower Upper

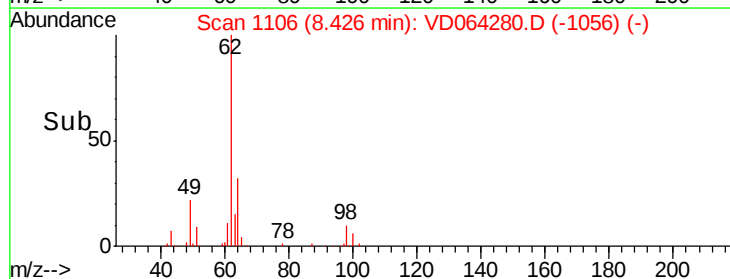
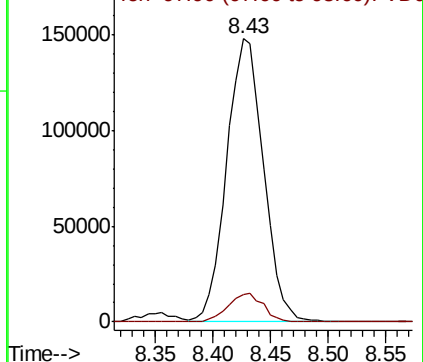
62 100

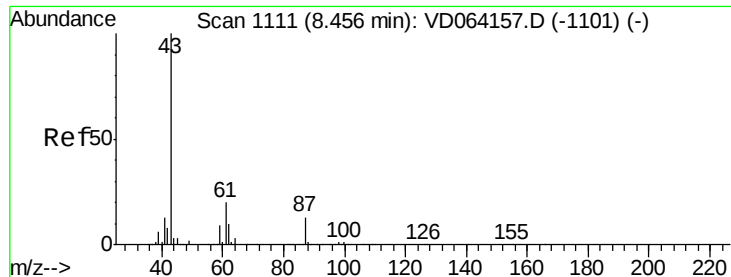
98 9.7 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

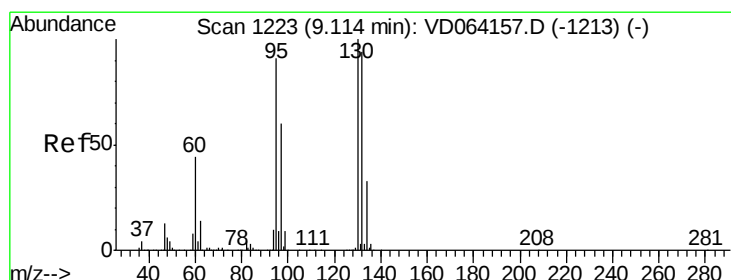
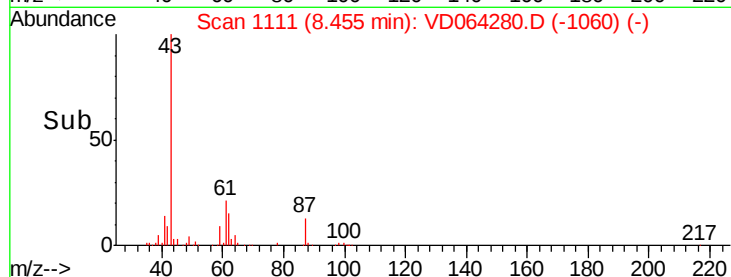
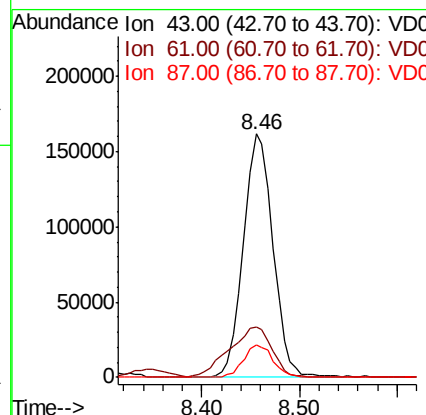
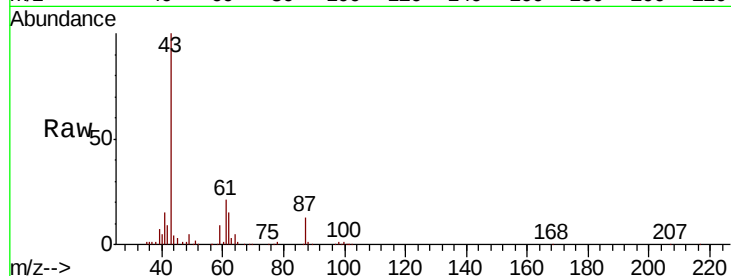




#43
Isopropyl Acetate
Concen: 47.072 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD064280.D
Acq: 19 Nov 2019 10:19

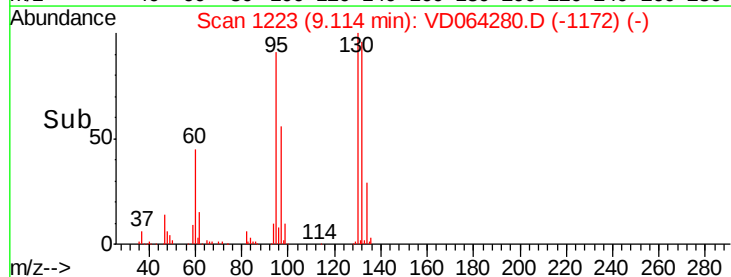
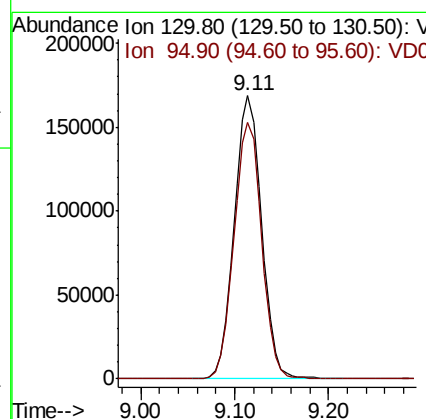
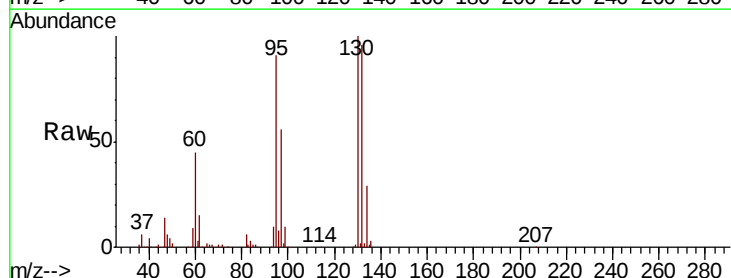
Instrument :
MSVOA_D
ClientSampleId :

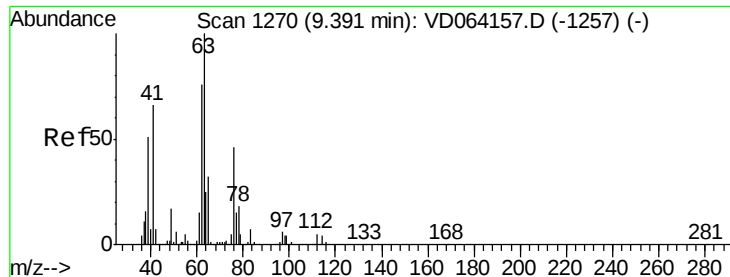
Tot Ion: 43 Resp: 339548
Ion Ratio Lower Upper
43 100
61 29.2 22.9 34.3
87 13.5 10.2 15.2



#44
Trichloroethene
Concen: 50.054 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD064280.D
Acq: 19 Nov 2019 10:19

Tgt Ion:130 Resp: 340956
Ion Ratio Lower Upper
130 100
95 90.6 0.0 181.6





#45

1,2-Dichloropropane

Concen: 49.355 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

Instrument :

MSVOA_D

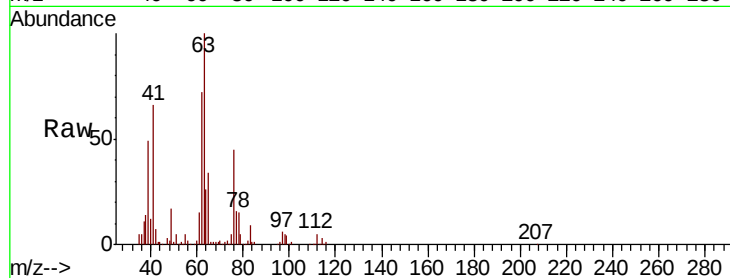
ClientSampleId :

Tot Ion: 63 Resp: 272642

Ion Ratio Lower Upper

63 100

65 33.8 25.7 38.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

150000

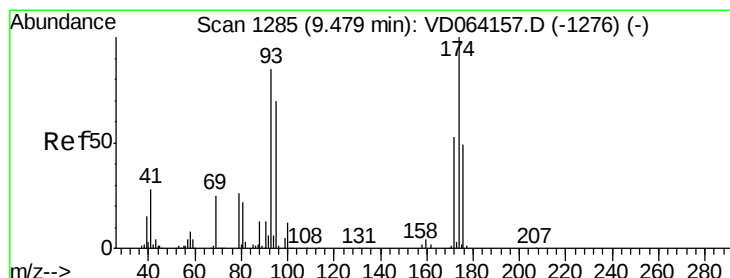
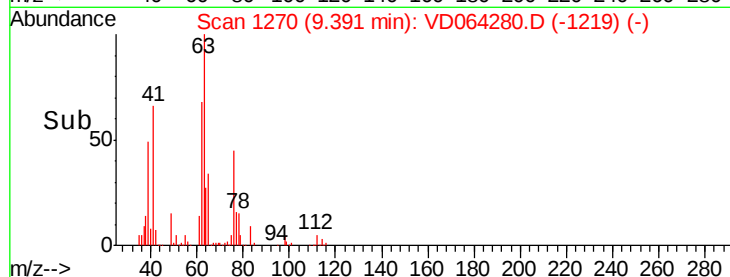
100000

50000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 50.041 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

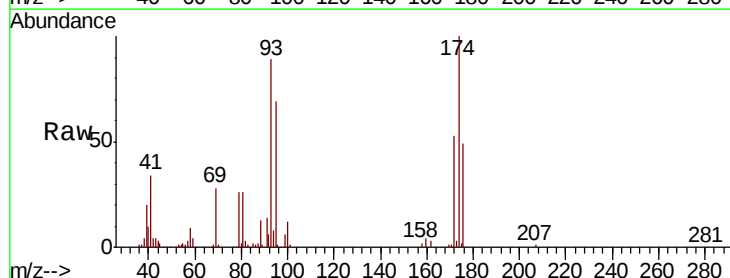
Tgt Ion: 93 Resp: 147990

Ion Ratio Lower Upper

93 100

95 83.7 65.5 98.3

174 118.9 93.9 140.9



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

120000

100000

80000

60000

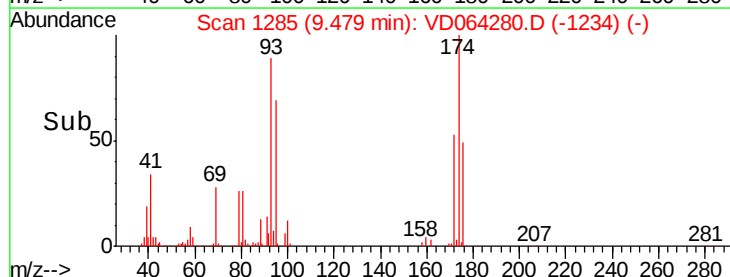
40000

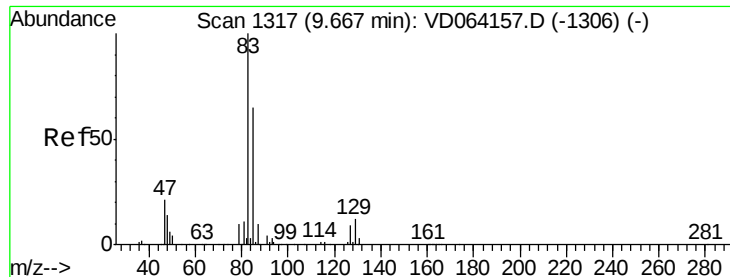
20000

0

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 49.474 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

Instrument :

MSVOA_D

ClientSampled :

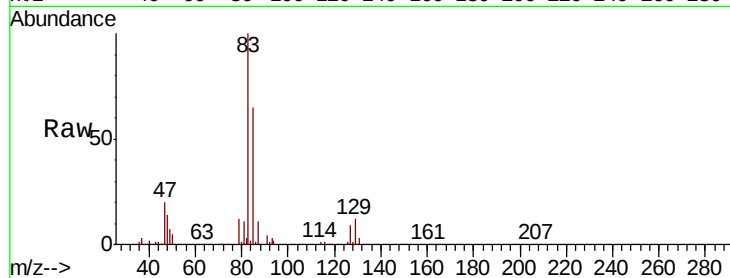
Tot Ion: 83 Resp: 394114

Ion Ratio Lower Upper

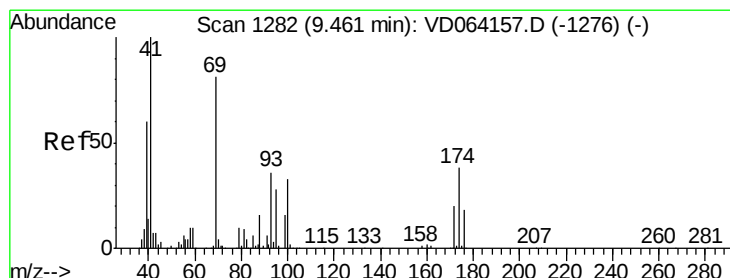
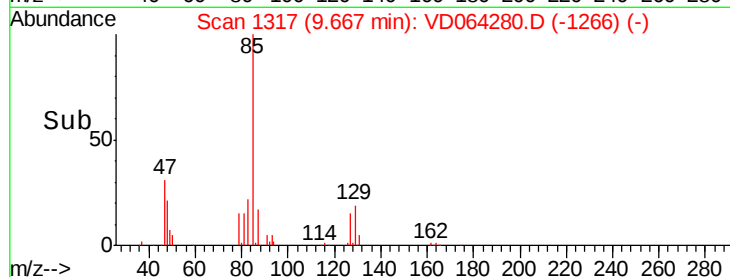
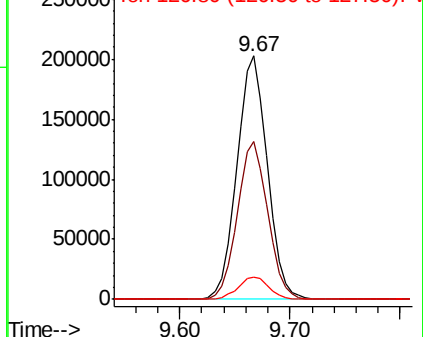
83 100

85 64.8 52.2 78.4

127 9.4 7.5 11.3



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



#48

Methyl methacrylate

Concen: 44.439 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

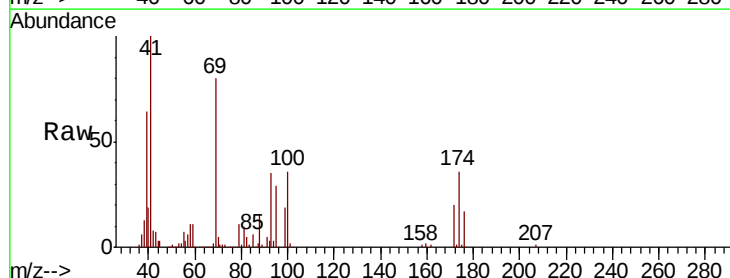
Tgt Ion: 41 Resp: 156743

Ion Ratio Lower Upper

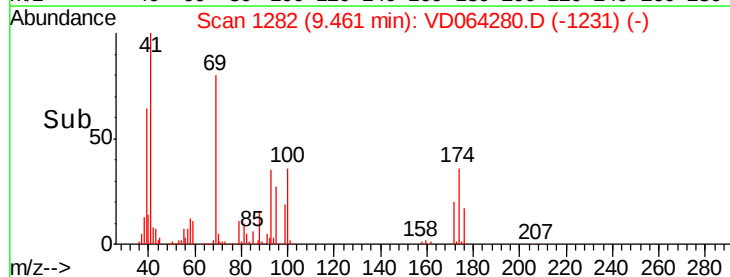
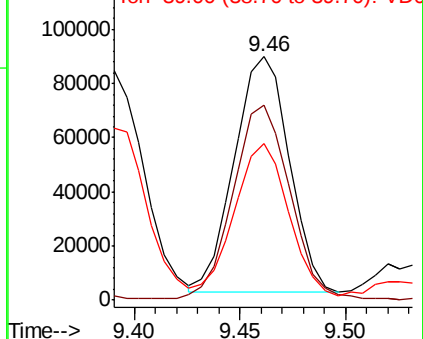
41 100

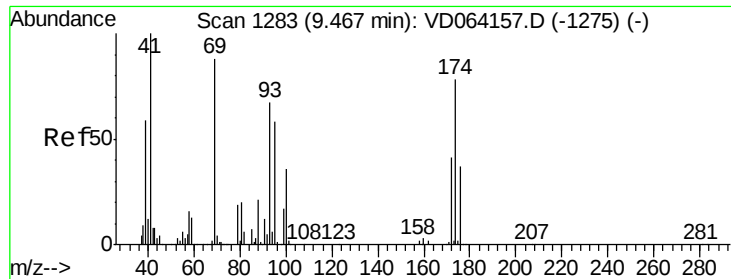
69 86.3 64.6 97.0

39 64.0 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

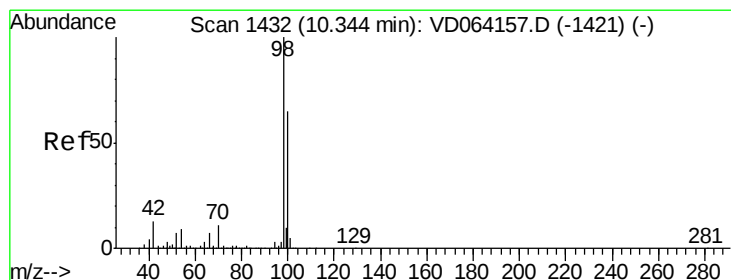
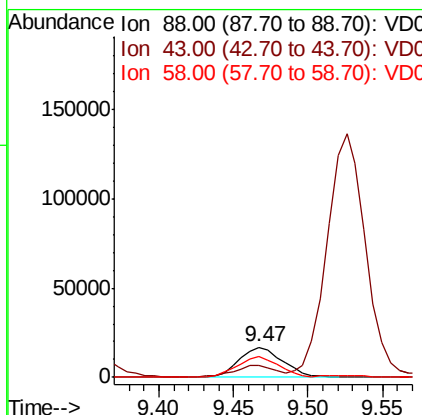
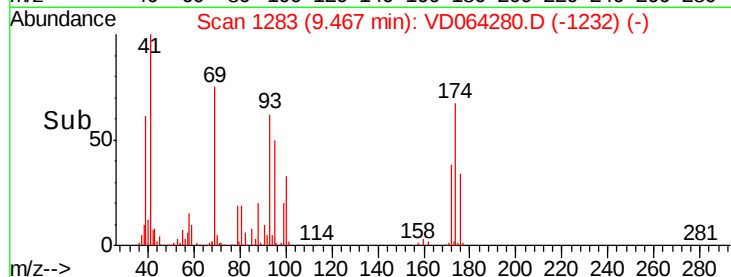
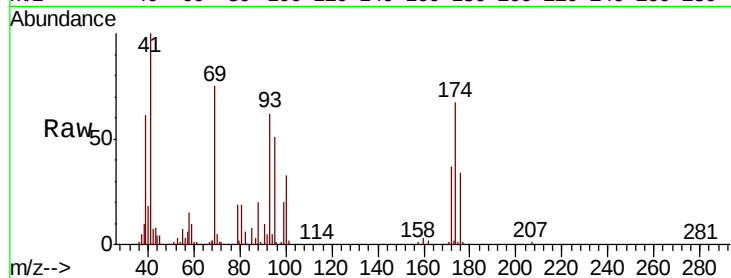




#49
1,4-Dioxane
Concen: 965.707 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064280.D
Acq: 19 Nov 2019 10:19

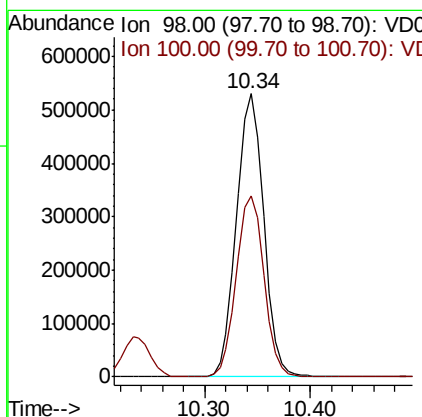
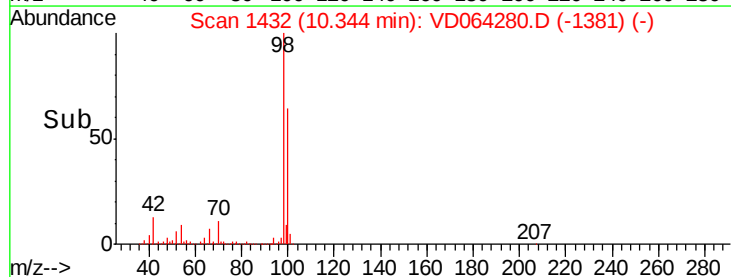
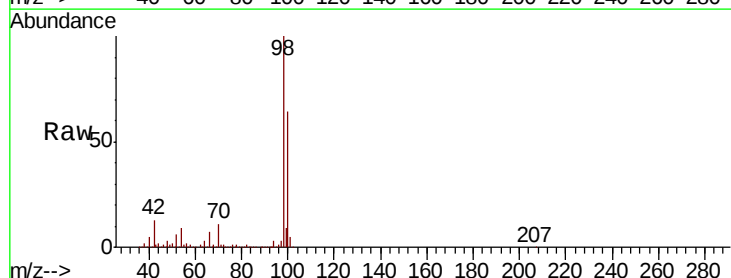
Instrument :
MSVOA_D
ClientSampleId :

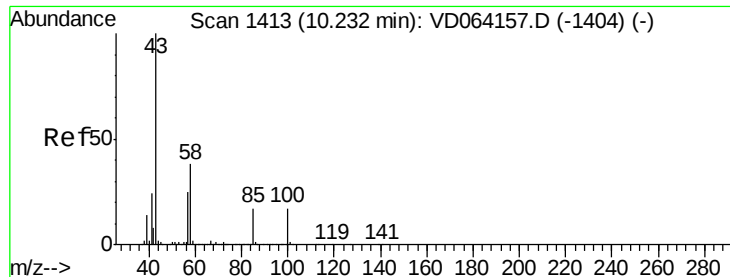
Tot Ion: 88 Resp: 34300
Ion Ratio Lower Upper
88 100
43 34.9 29.8 44.8
58 66.9 58.1 87.1



#50
Toluene-d8
Concen: 48.741 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064280.D
Acq: 19 Nov 2019 10:19

Tgt Ion: 98 Resp: 949694
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 239.060 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

Instrument :

MSVOA_D

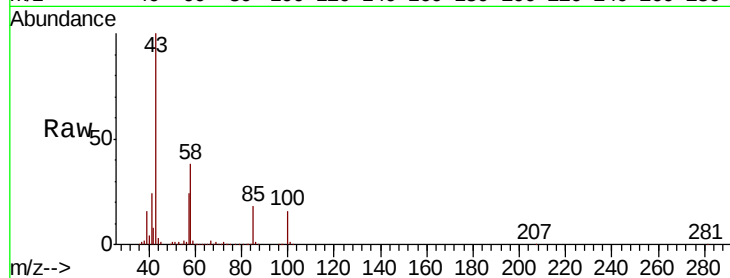
ClientSampleId :

Tot Ion: 43 Resp: 826931

Ion Ratio Lower Upper

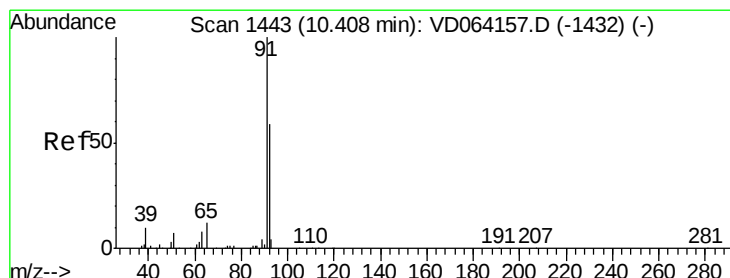
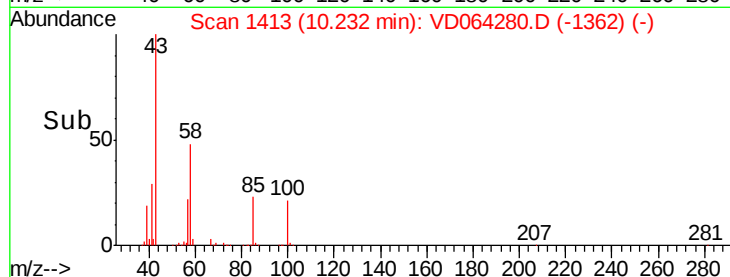
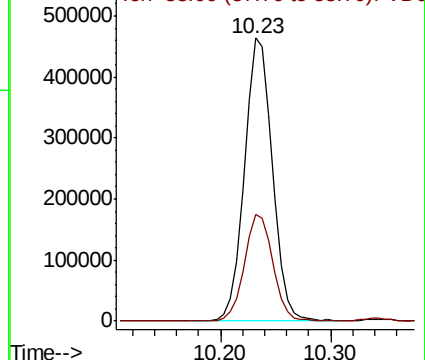
43 100

58 38.2 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 48.841 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064280.D

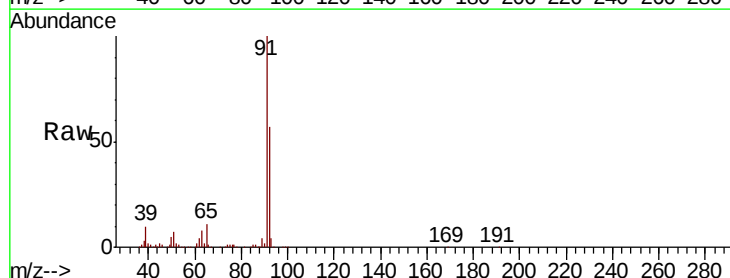
Acq: 19 Nov 2019 10:19

Tgt Ion: 92 Resp: 728904

Ion Ratio Lower Upper

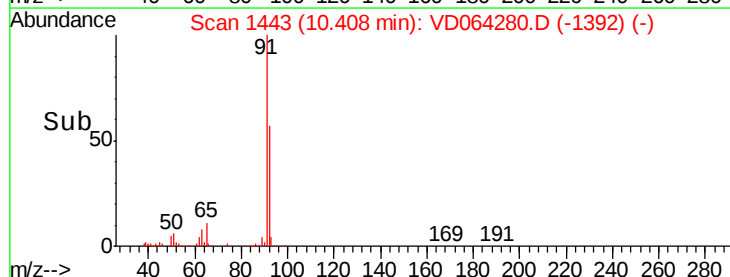
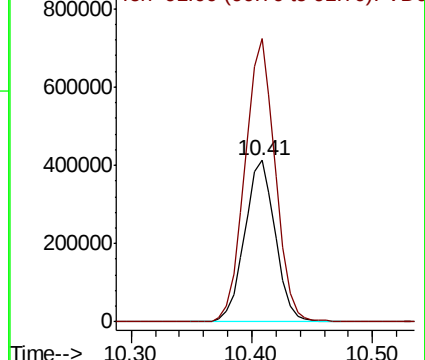
92 100

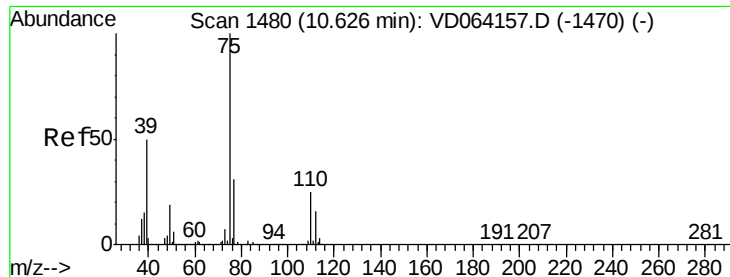
91 173.8 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 48.046 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

Instrument :

MSVOA_D

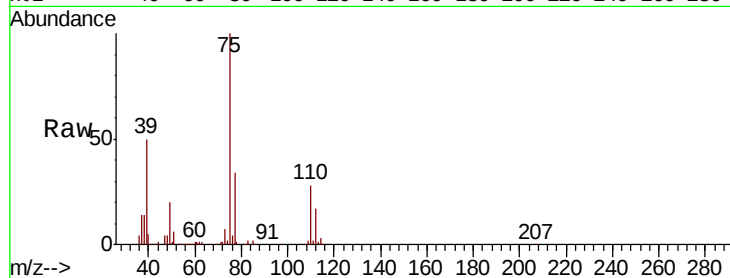
ClientSampleId :

Tot Ion: 75 Resp: 383437

Ion Ratio Lower Upper

75 100

77 33.6 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

250000

200000

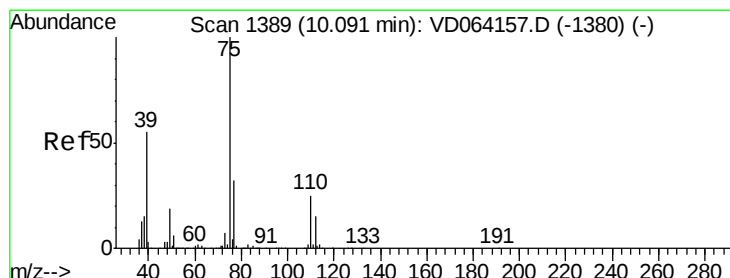
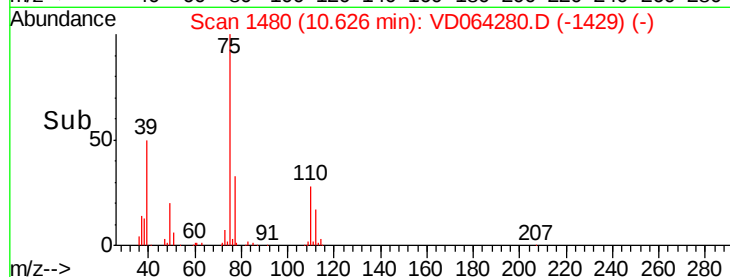
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.268 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

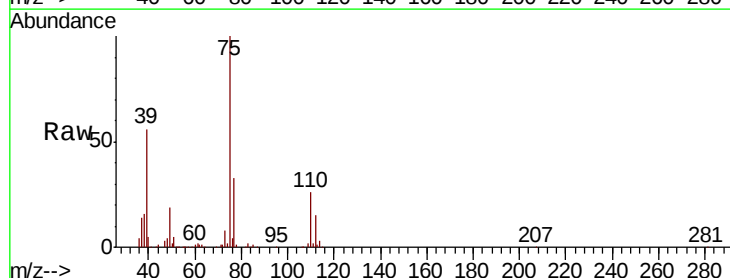
Tgt Ion: 75 Resp: 449508

Ion Ratio Lower Upper

75 100

77 33.0 25.2 37.8

39 55.8 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

300000

250000

200000

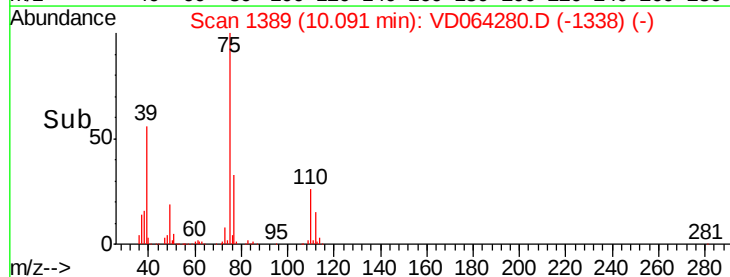
150000

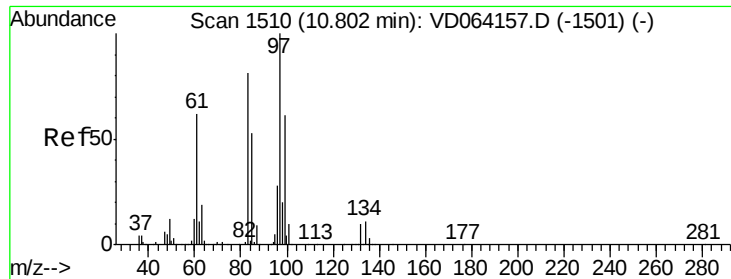
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 50.453 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 202411

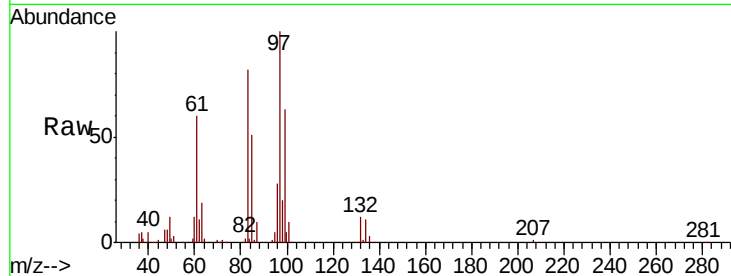
Ion Ratio Lower Upper

97 100

83 81.8 65.1 97.7

85 50.5 42.0 63.0

99 62.5 48.9 73.3

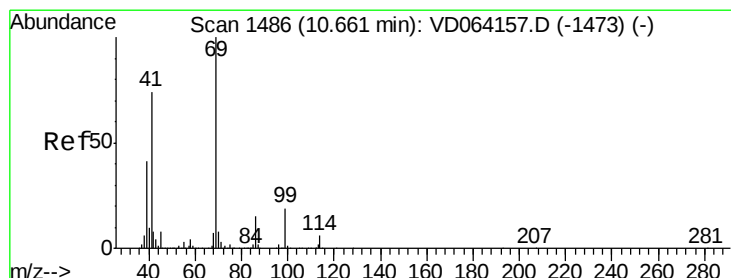
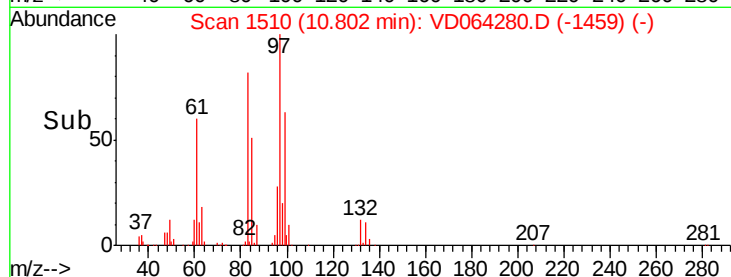
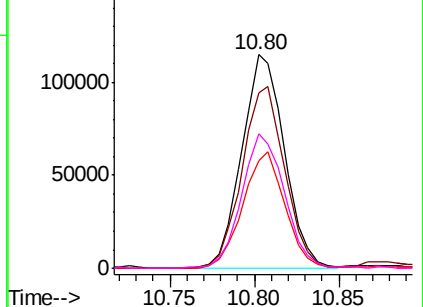


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 48.527 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

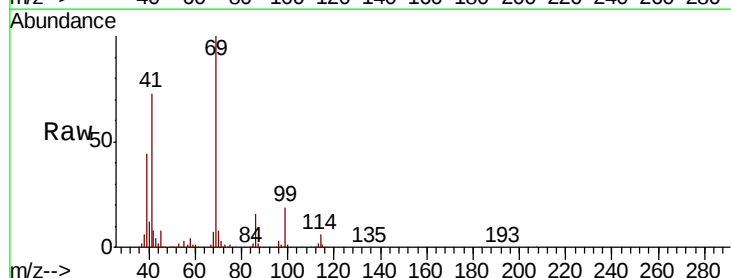
Tgt Ion: 69 Resp: 272339

Ion Ratio Lower Upper

69 100

41 68.2 57.9 86.9

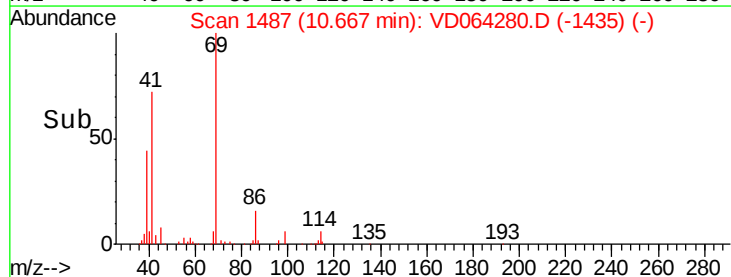
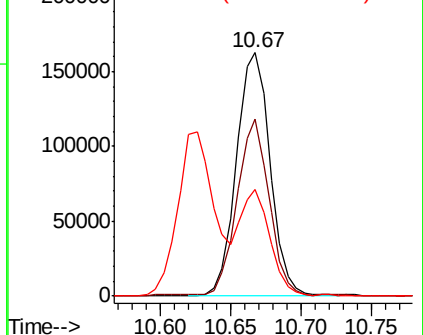
39 38.4 29.0 43.4

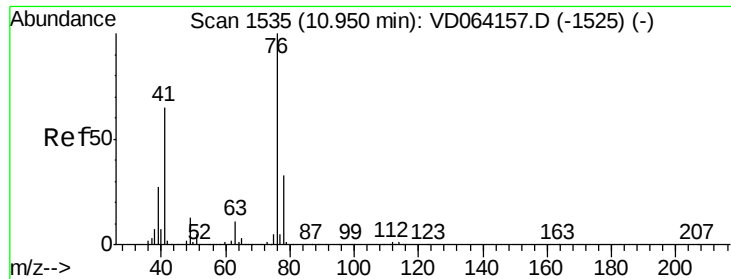


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 50.209 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

Instrument :

MSVOA_D

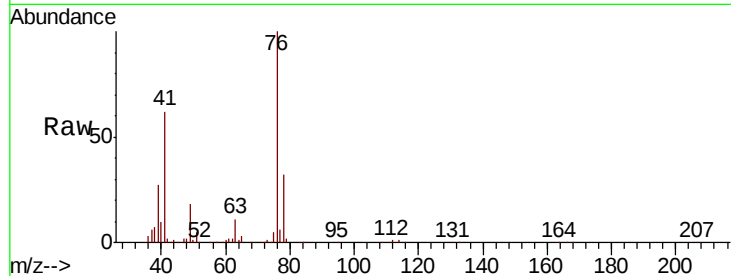
ClientSampled :

Tot Ion: 76 Resp: 351300

Ion Ratio Lower Upper

76 100

78 32.0 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

200000

150000

100000

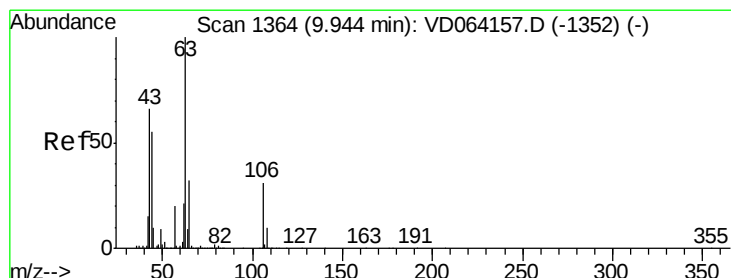
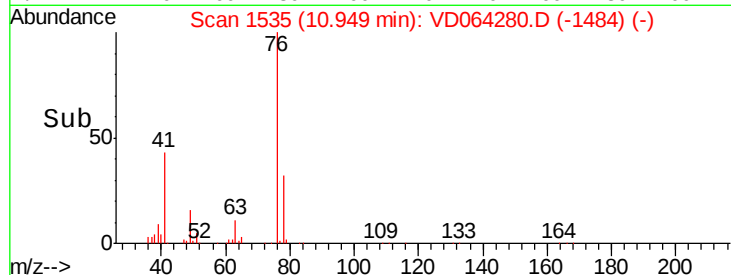
50000

0

10.90

11.00

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 248.295 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064280.D

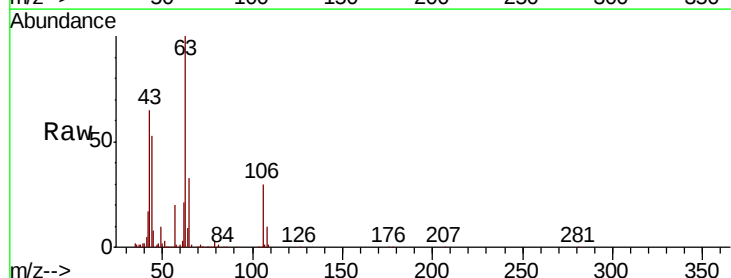
Acq: 19 Nov 2019 10:19

Tgt Ion: 63 Resp: 564456

Ion Ratio Lower Upper

63 100

106 30.6 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

300000

200000

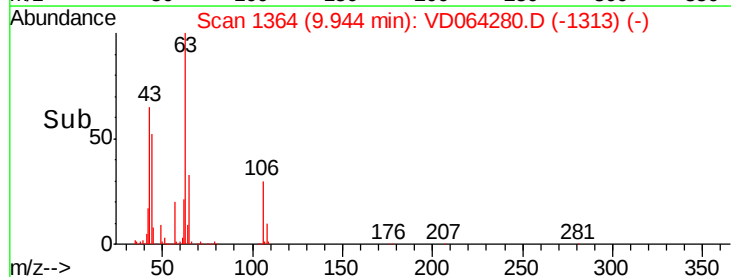
100000

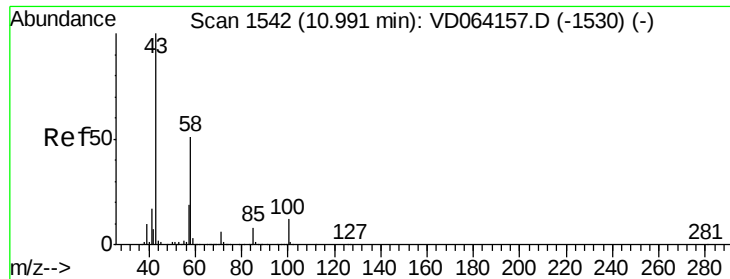
0

9.90

10.00

Time-->

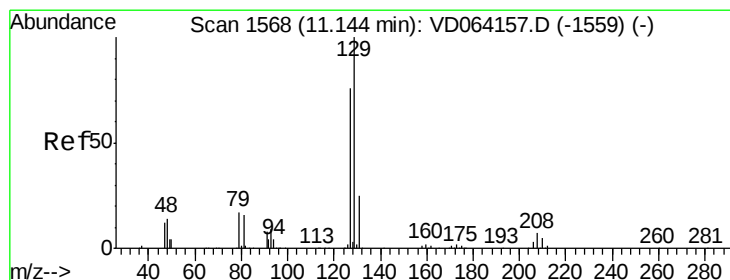
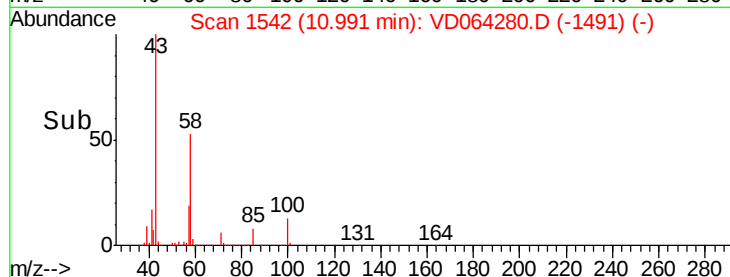
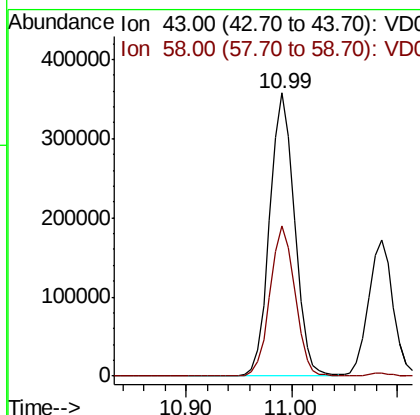
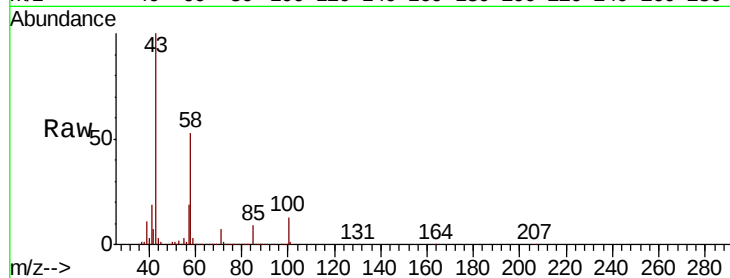




#59
2-Hexanone
Concen: 236.622 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064280.D
Acq: 19 Nov 2019 10:19

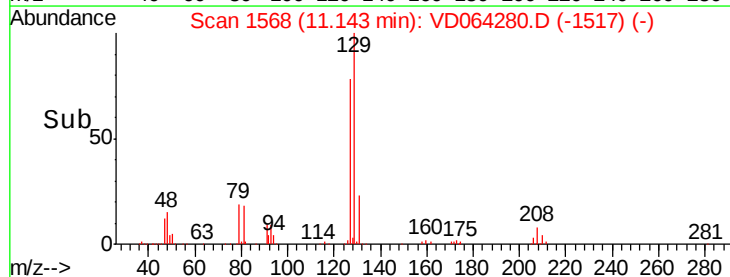
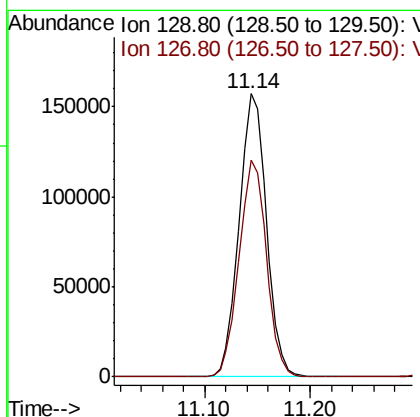
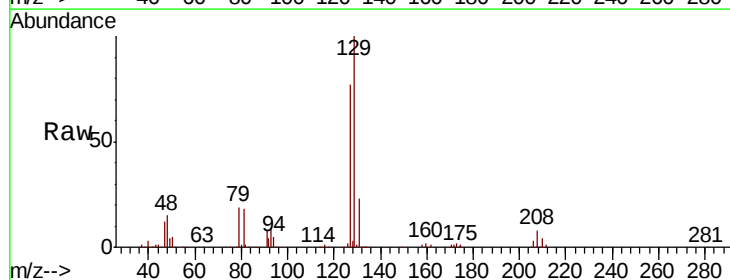
Instrument :
MSVOA_D
ClientSampled :

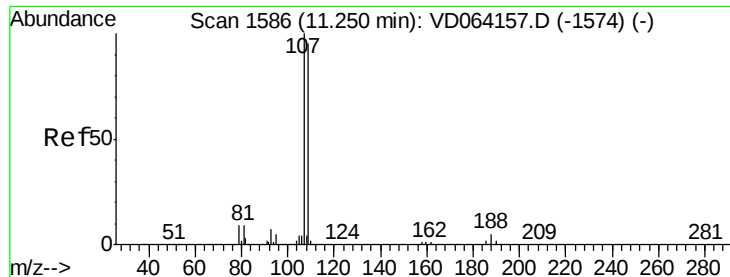
Tot Ion: 43 Resp: 582316
Ion Ratio Lower Upper
43 100
58 53.2 25.9 77.7



#60
Dibromochloromethane
Concen: 50.504 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064280.D
Acq: 19 Nov 2019 10:19

Tgt Ion: 129 Resp: 282727
Ion Ratio Lower Upper
129 100
127 76.8 38.6 115.8

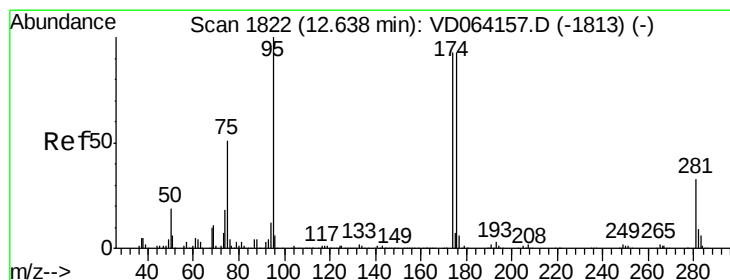
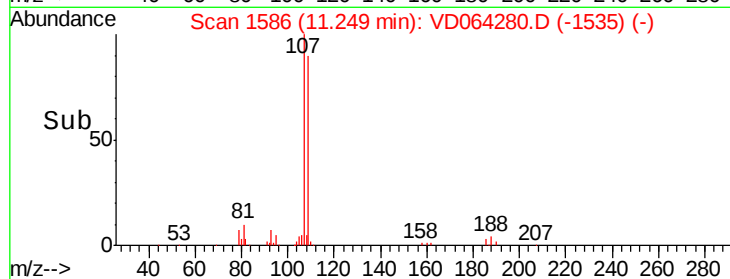
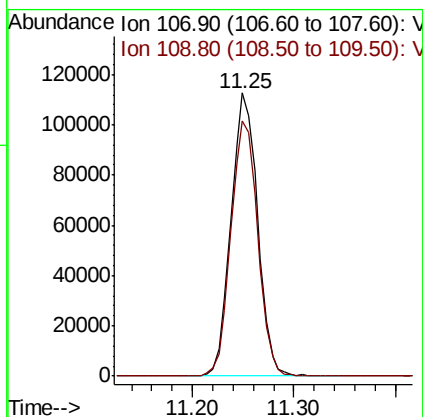
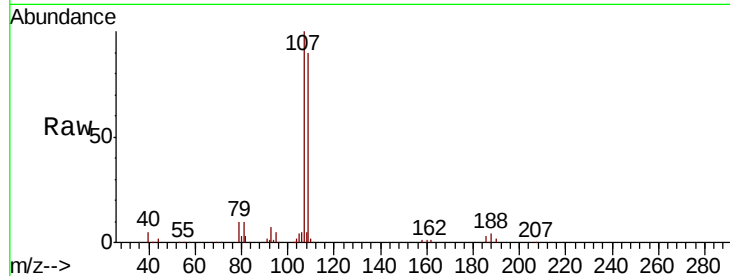




#61
 1,2-Dibromoethane
 Concen: 50.972 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064280.D
 Acq: 19 Nov 2019 10:19

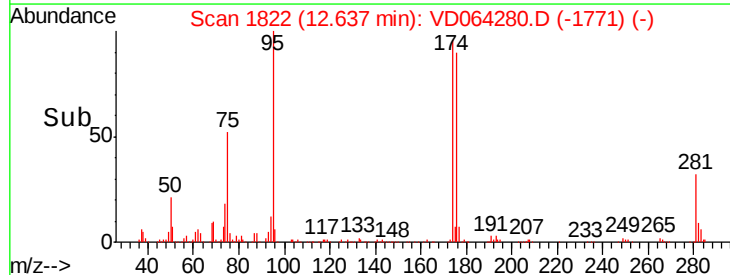
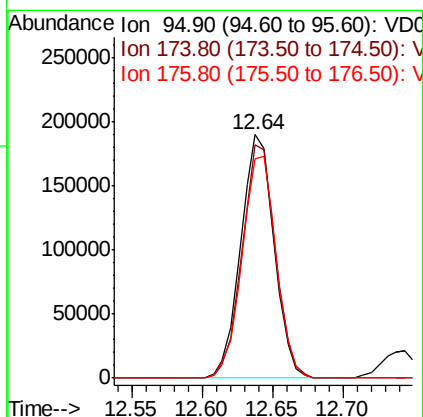
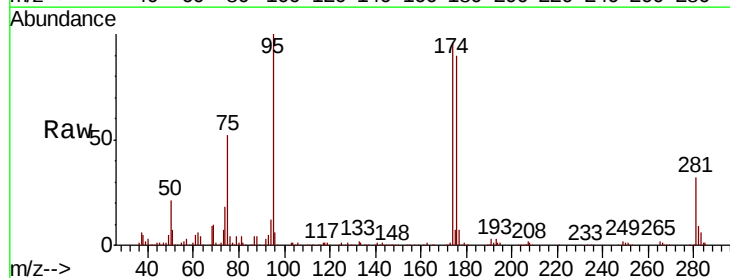
Instrument :
 MSVOA_D
 ClientSampleId :

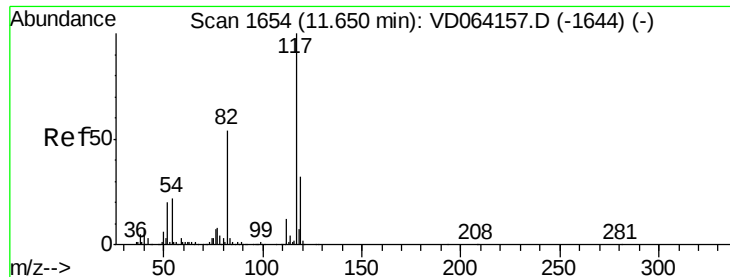
Tot Ion: 107 Resp: 204821
 Ion Ratio Lower Upper
 107 100
 109 91.3 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 46.647 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064280.D
 Acq: 19 Nov 2019 10:19

Tgt Ion: 95 Resp: 314753
 Ion Ratio Lower Upper
 95 100
 174 95.7 0.0 183.6
 176 93.3 0.0 180.2

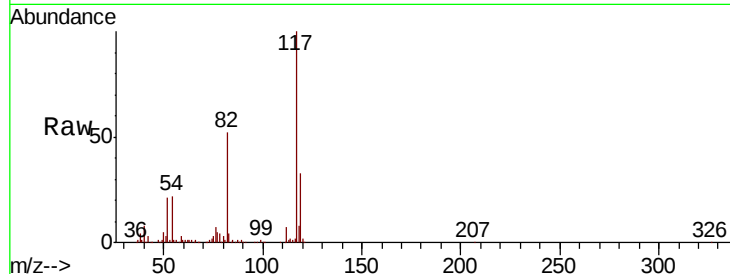




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064280.D
Acq: 19 Nov 2019 10:19

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.8	64.2
119	32.9	25.6	38.4

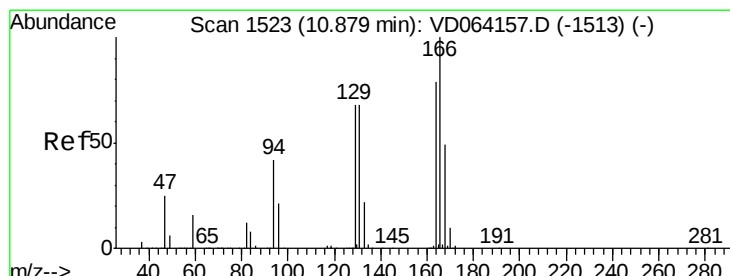
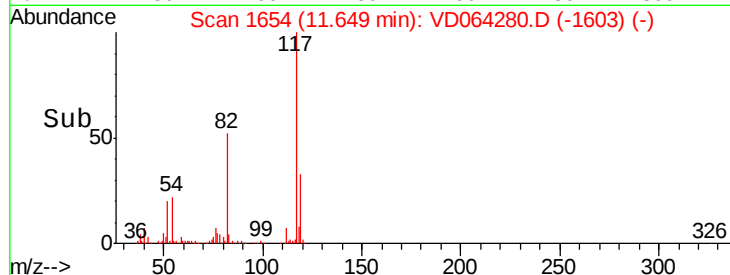
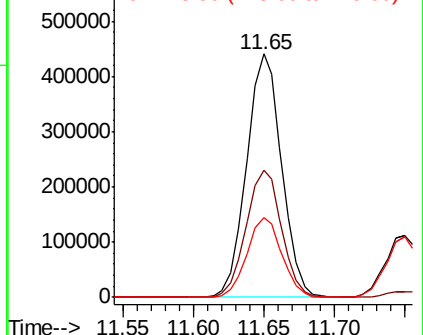


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 50.009 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064280.D
Acq: 19 Nov 2019 10:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.1	100.8	151.2
129	84.4	68.7	103.1
131	82.6	68.1	102.1

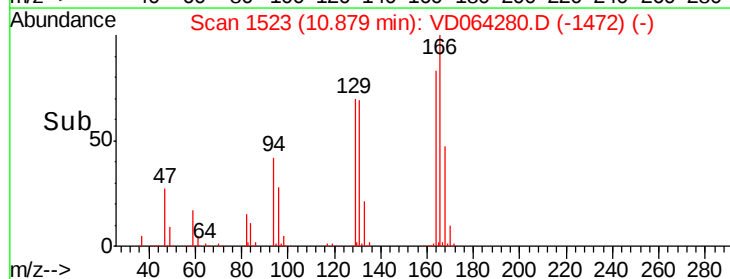
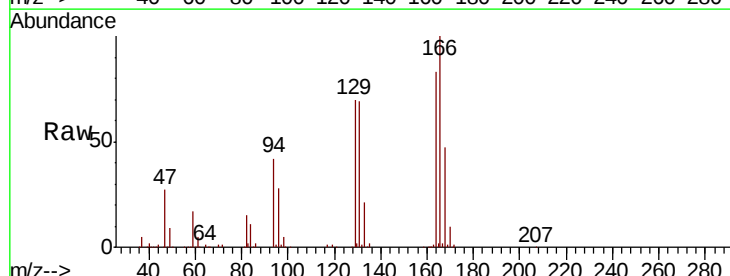
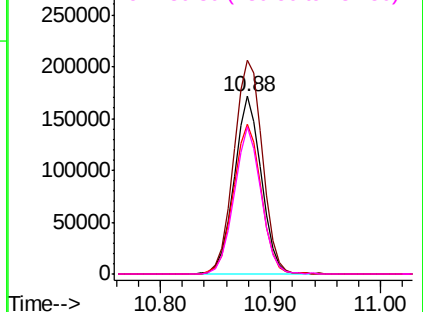
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

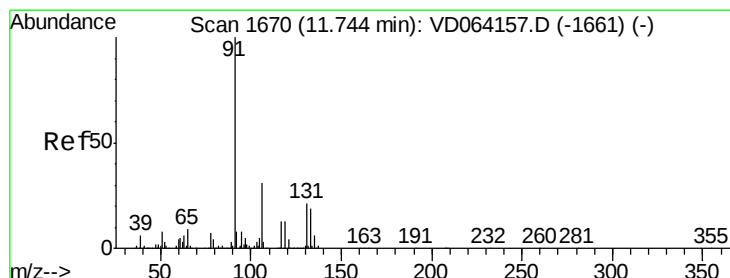
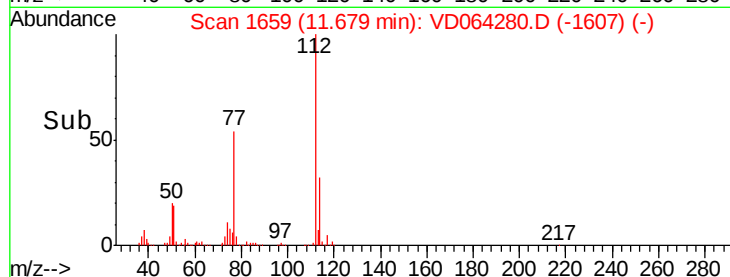
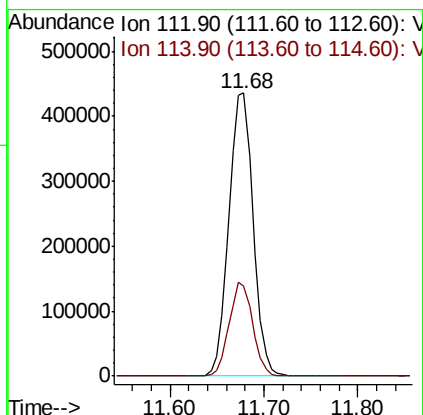
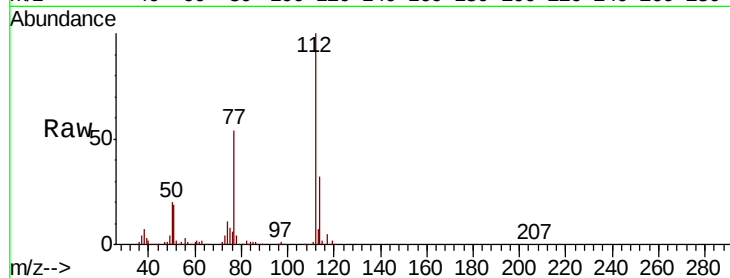




#65
Chlorobenzene
Concen: 50.031 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD064280.D
Acq: 19 Nov 2019 10:19

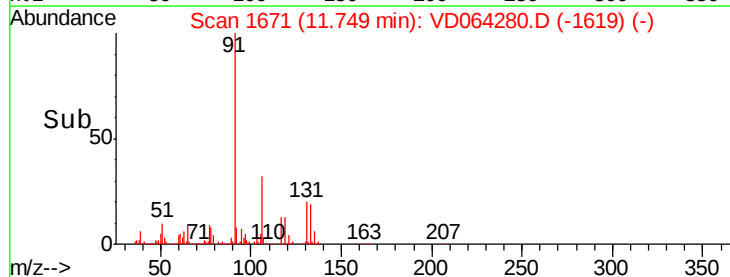
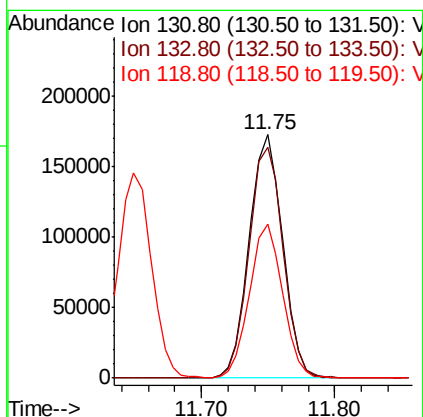
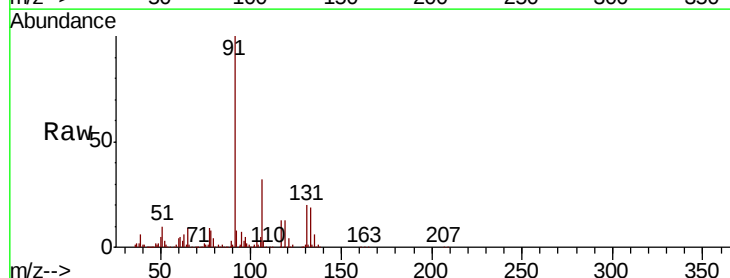
Instrument :
MSVOA_D
ClientSampleId :

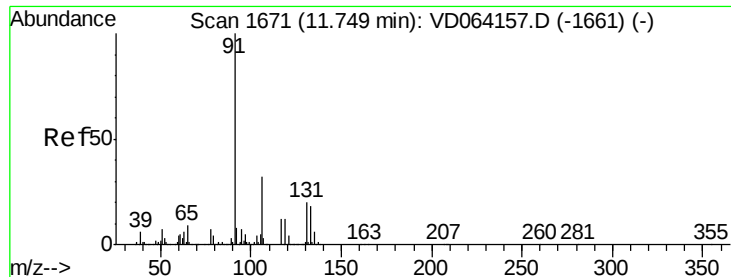
Tot Ion:112 Resp: 781735
Ion Ratio Lower Upper
112 100
114 31.7 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 50.288 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064280.D
Acq: 19 Nov 2019 10:19

Tgt Ion:131 Resp: 298776
Ion Ratio Lower Upper
131 100
133 96.6 47.3 141.9
119 62.7 31.1 93.3





#67

Ethyl Benzene

Concen: 50.148 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

Instrument :

MSVOA_D

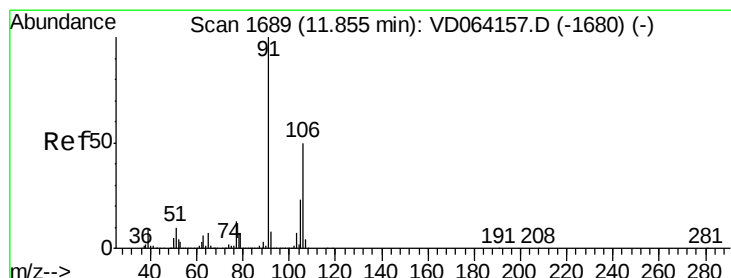
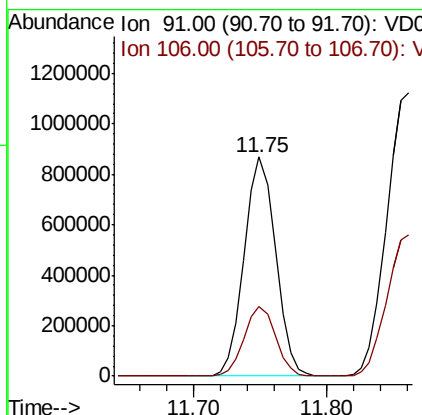
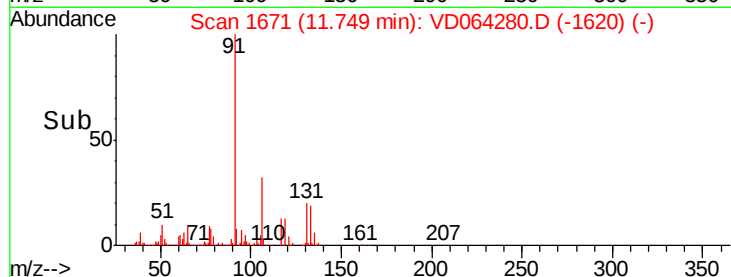
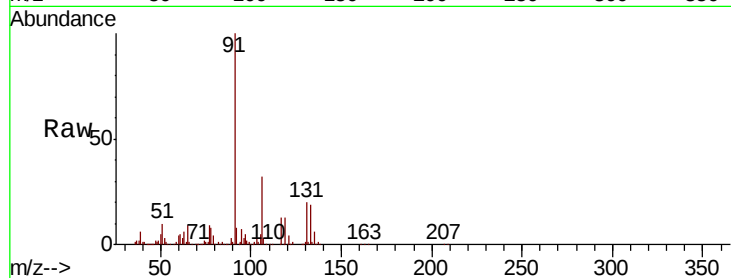
ClientSampleId :

Tot Ion: 91 Resp: 1417343

Ion Ratio Lower Upper

91 100

106 31.9 25.5 38.3



#68

m/p-Xylenes

Concen: 100.044 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD064280.D

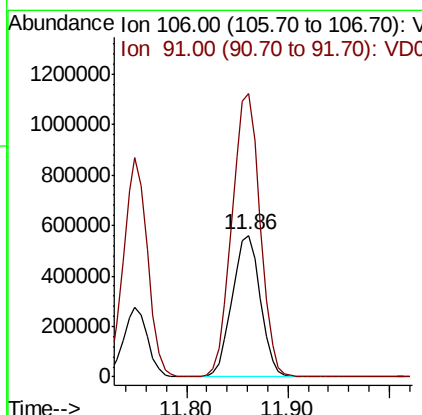
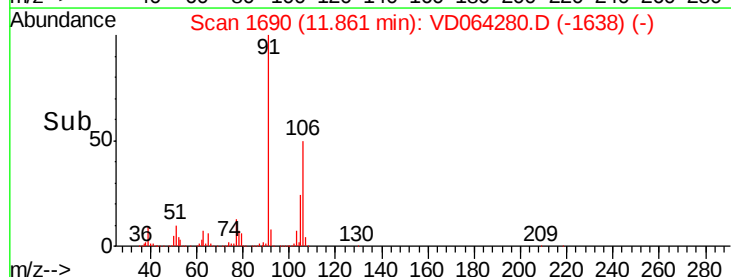
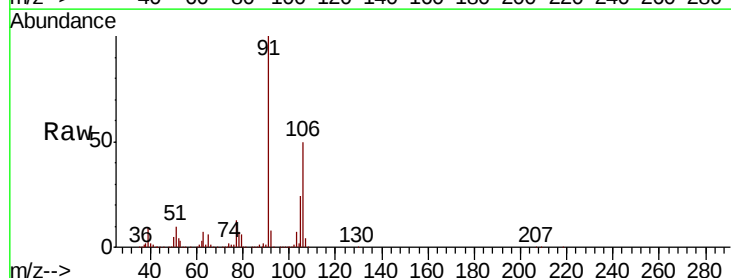
Acq: 19 Nov 2019 10:19

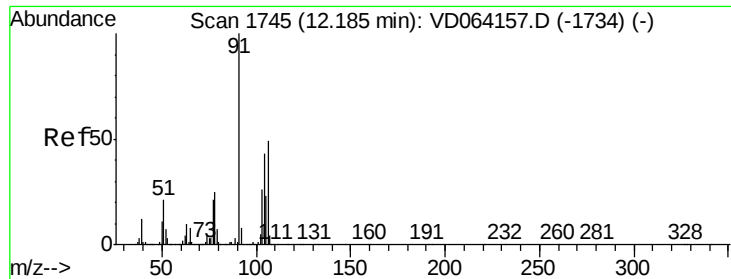
Tgt Ion: 106 Resp: 1083811

Ion Ratio Lower Upper

106 100

91 200.1 160.3 240.5

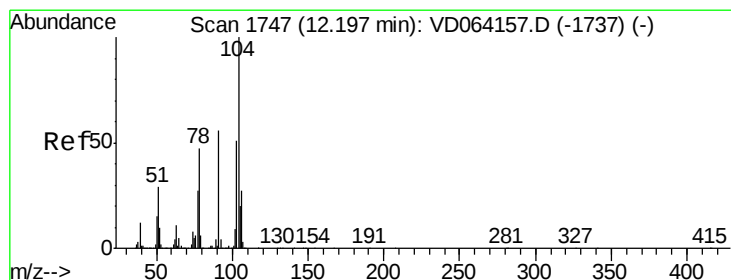
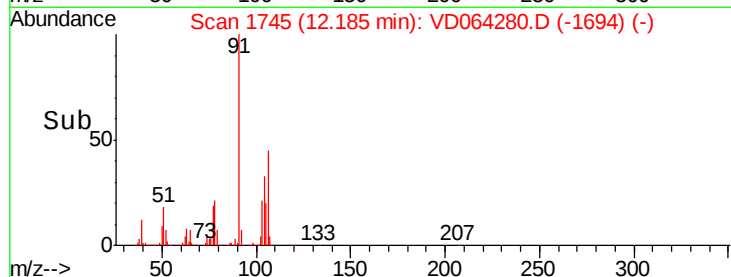
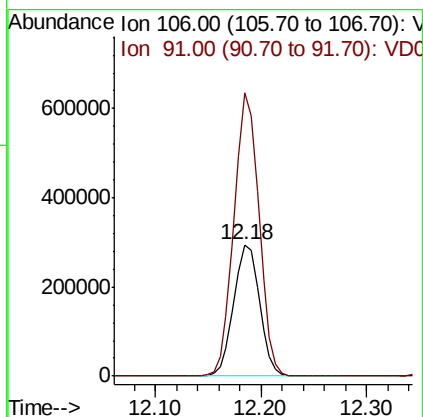
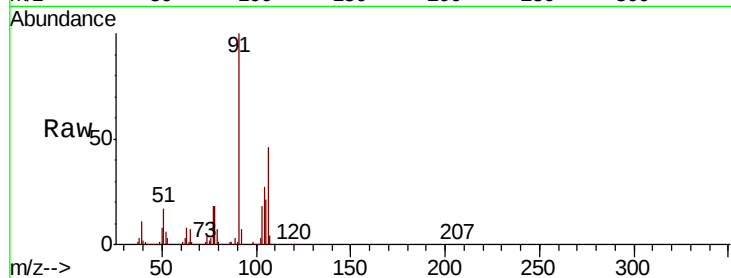




#69
o-Xylene
Concen: 49.433 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064280.D
Acq: 19 Nov 2019 10:19

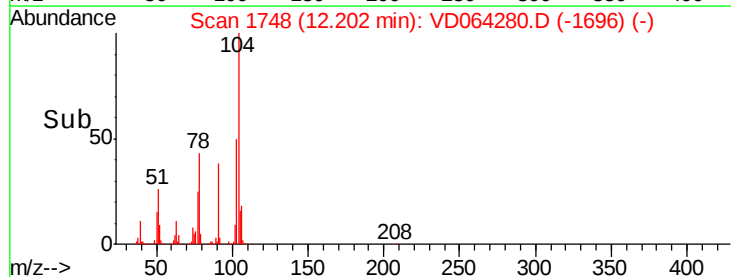
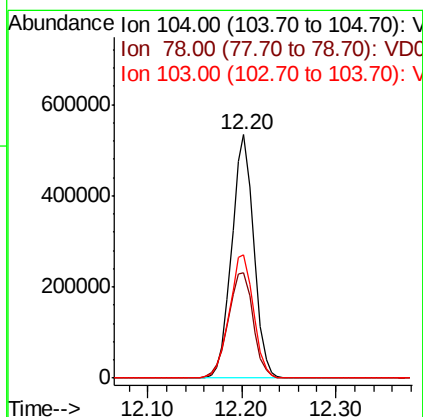
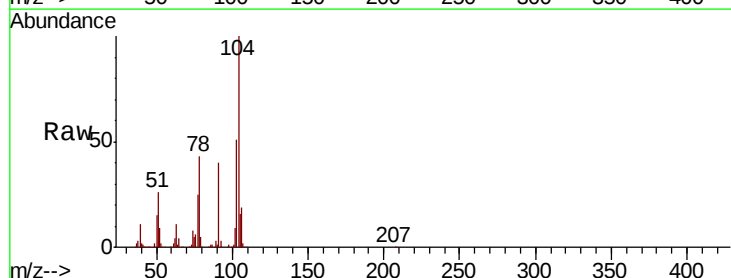
Instrument :
MSVOA_D
ClientSampleId :

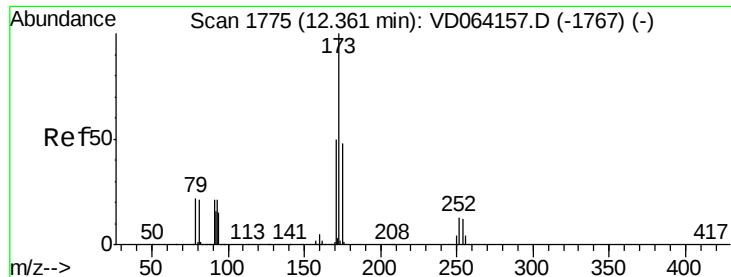
Tot Ion:106 Resp: 496665
Ion Ratio Lower Upper
106 100
91 209.7 105.1 315.3



#70
Styrene
Concen: 49.567 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064280.D
Acq: 19 Nov 2019 10:19

Tgt Ion:104 Resp: 869308
Ion Ratio Lower Upper
104 100
78 49.2 39.9 59.9
103 55.5 43.4 65.0





#71

Bromoform

Concen: 50.371 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

Instrument :

MSVOA_D

ClientSampleId :

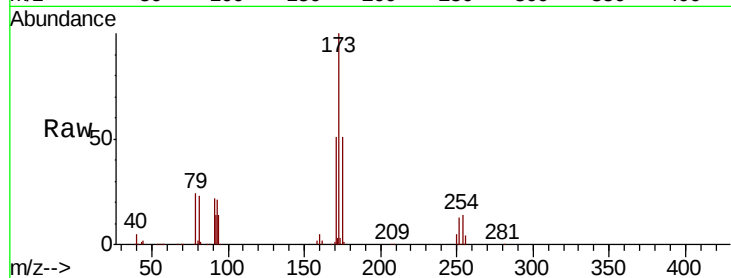
Tot Ion:173 Resp: 170315

Ion Ratio Lower Upper

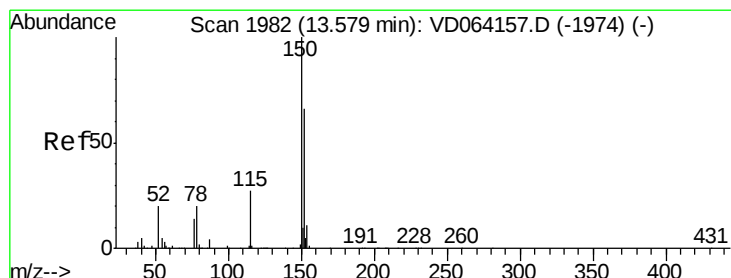
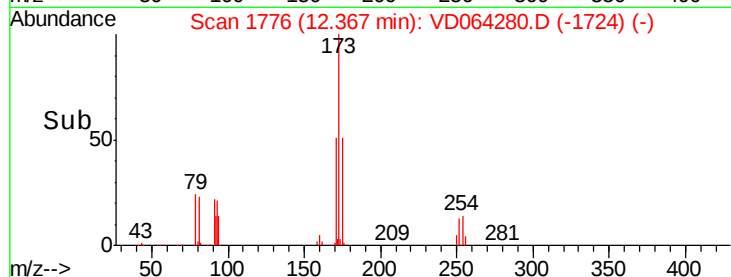
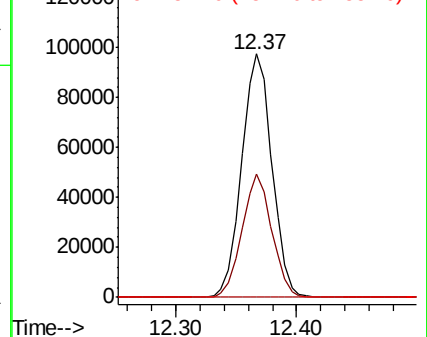
173 100

175 49.7 24.1 72.3

254 0.2 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: VD064280.D

Acq: 19 Nov 2019 10:19

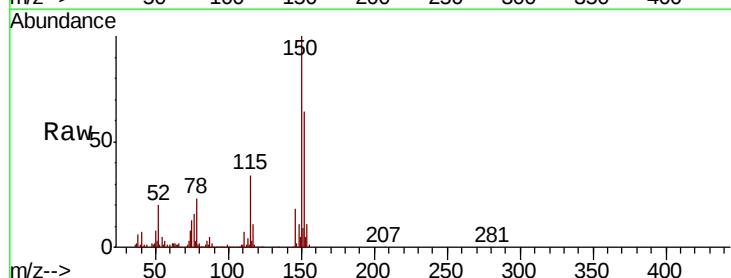
Tgt Ion:152 Resp: 381741

Ion Ratio Lower Upper

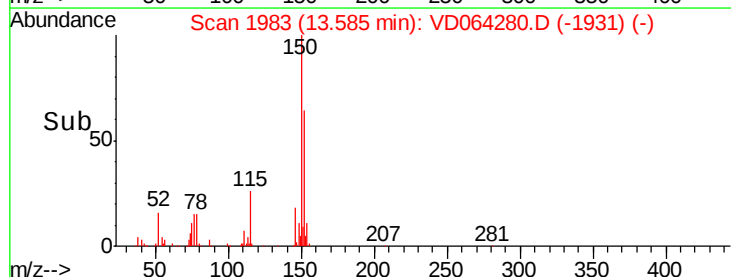
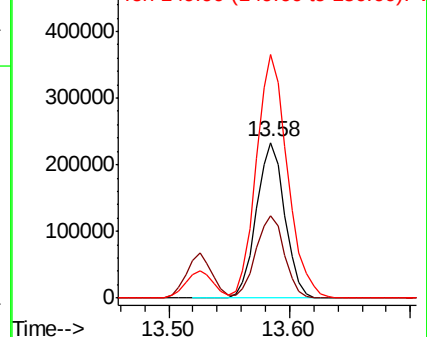
152 100

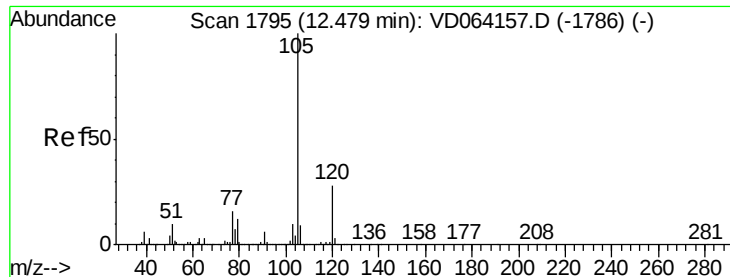
115 53.2 27.4 82.2

150 172.1 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: 49.200 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

Instrument :

MSVOA_D

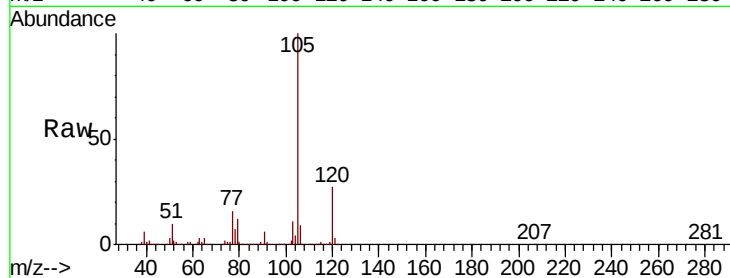
ClientSampleId :

Tot Ion:105 Resp: 1378566

Ion Ratio Lower Upper

105 100

120 26.8 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

800000

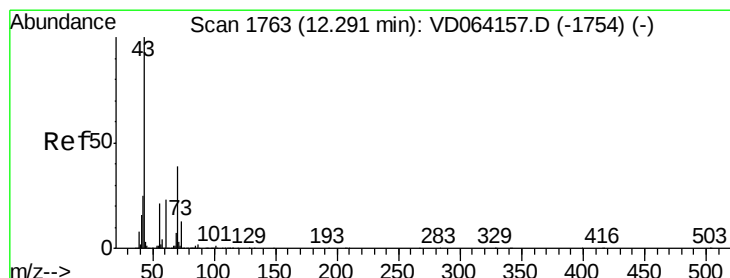
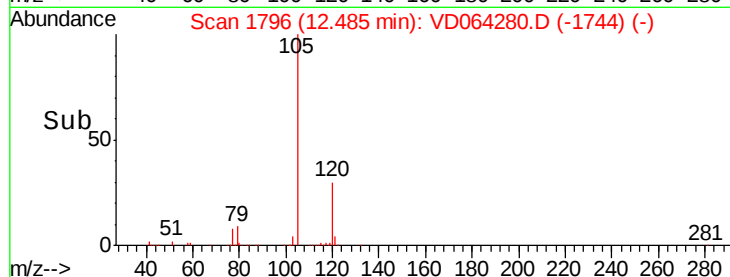
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 46.437 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

Tgt Ion: 43 Resp: 307259

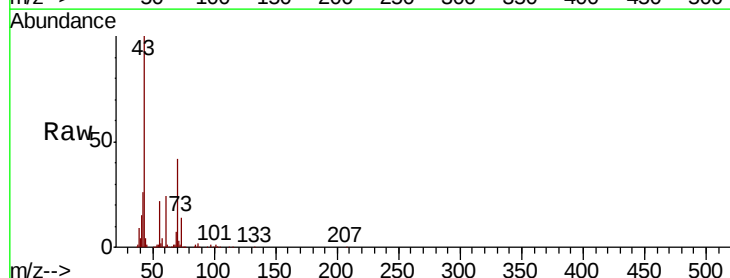
Ion Ratio Lower Upper

43 100

70 41.4 32.4 48.6

55 22.6 17.9 26.9

61 24.2 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

300000

250000

200000

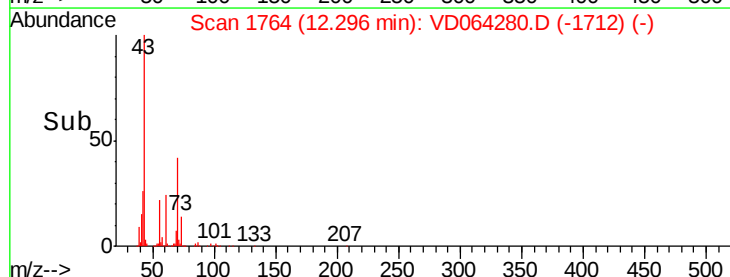
150000

100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.307 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

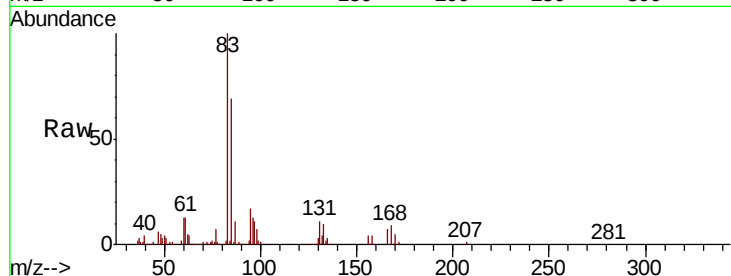
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 83 Resp: 208177

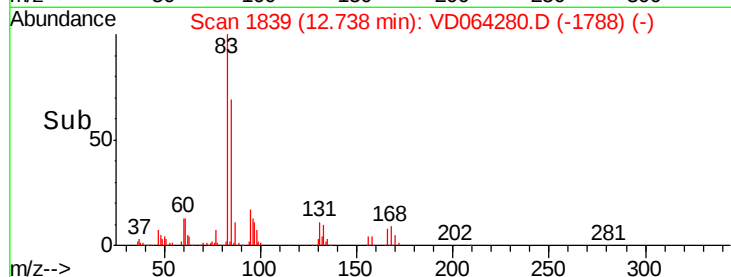
Ion	Ratio	Lower	Upper
83	100		
131	12.2	5.9	17.7
85	66.7	32.5	97.5



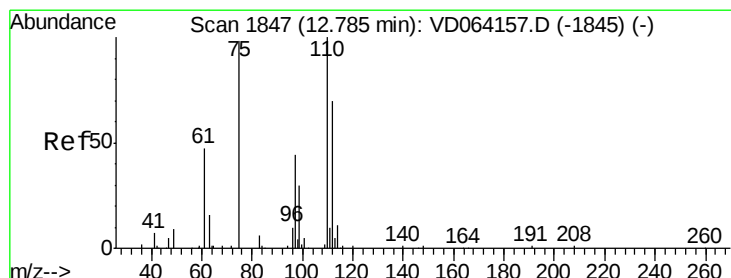
Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



Time--> 12.65 12.70 12.75 12.80



#76

1,2,3-Trichloropropane

Concen: 93.137 ug/l

RT: 12.80 min Scan# 1849

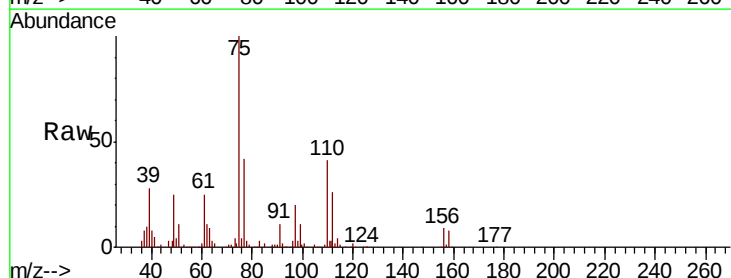
Delta R.T. 0.01 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

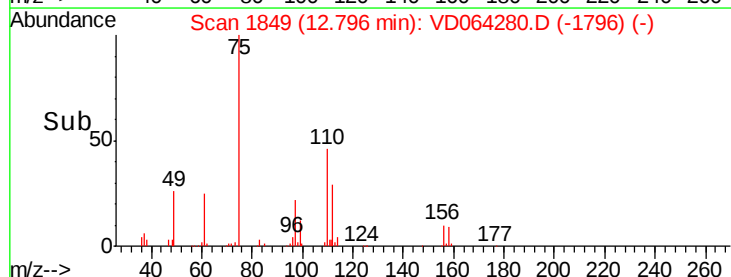
Tgt Ion: 75 Resp: 286377

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



Time--> 12.70 12.80 12.90



#77

Bromobenzene

Concen: 49.063 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

Instrument :

MSVOA_D

ClientSampleId :

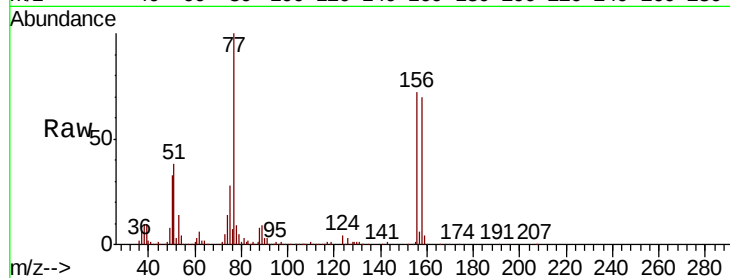
Tot Ion:156 Resp: 333981

Ion Ratio Lower Upper

156 100

77 159.4 81.2 243.4

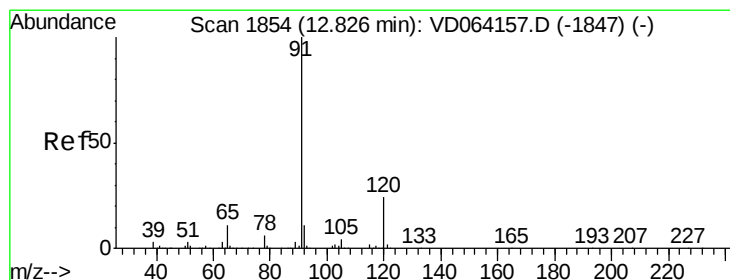
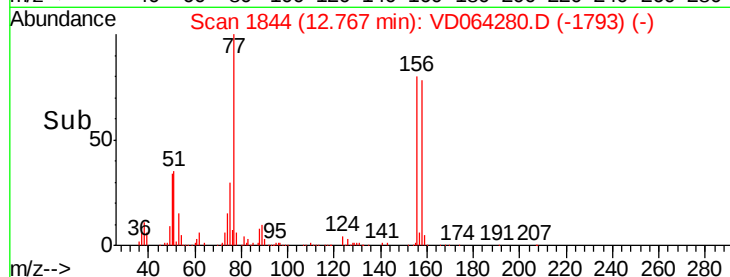
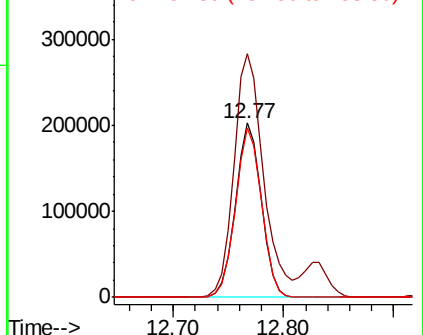
158 97.8 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.445 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064280.D

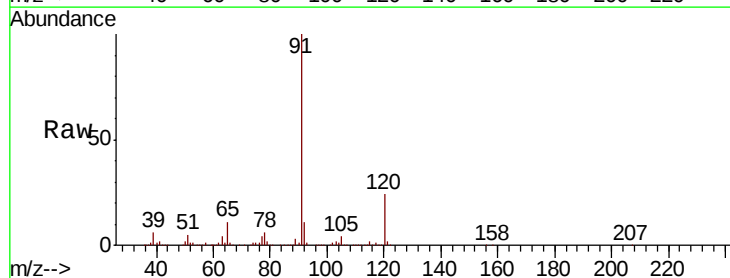
Acq: 19 Nov 2019 10:19

Tgt Ion: 91 Resp: 1582881

Ion Ratio Lower Upper

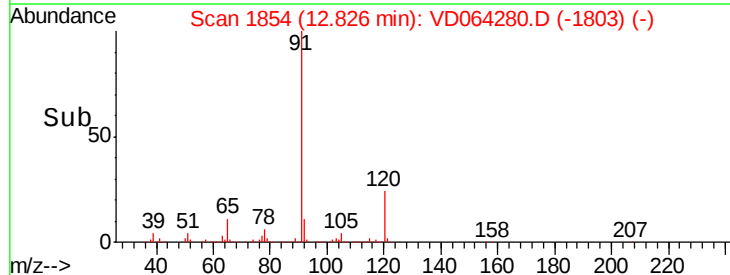
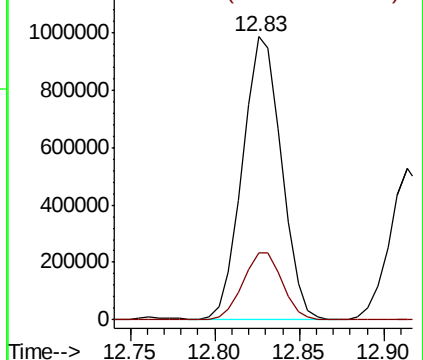
91 100

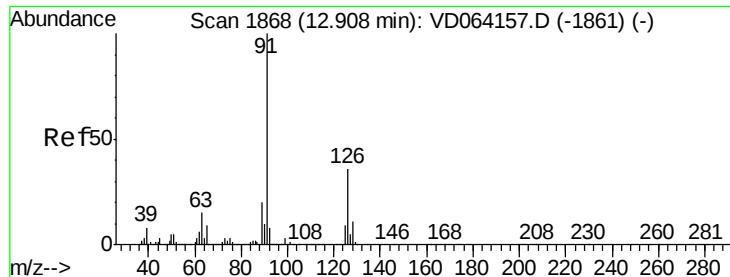
120 24.1 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

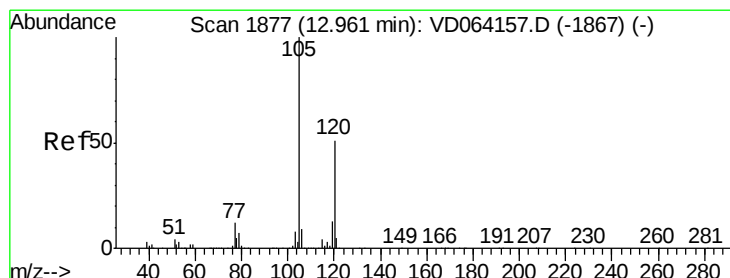
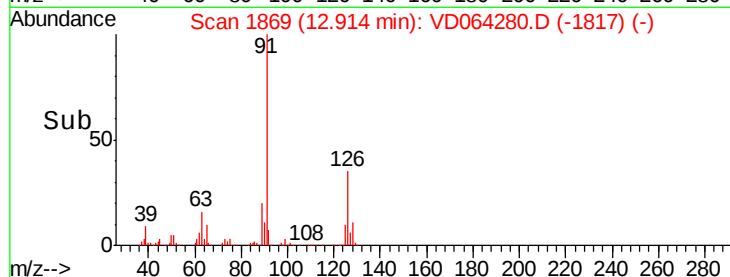
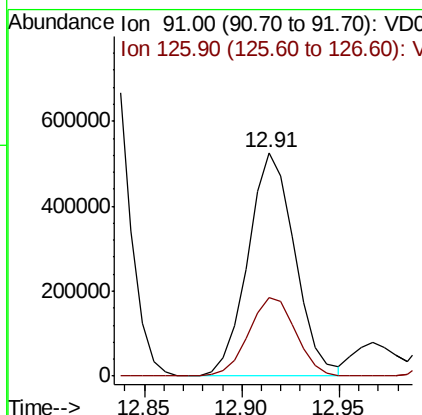
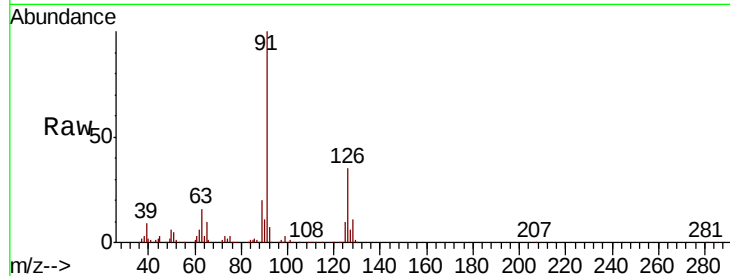




#79
 2-Chlorotoluene
 Concen: 48.323 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VD064280.D
 Acq: 19 Nov 2019 10:19

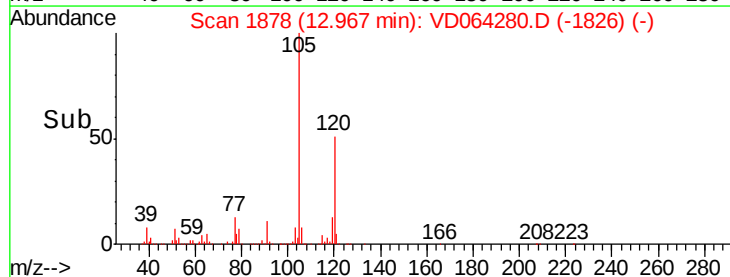
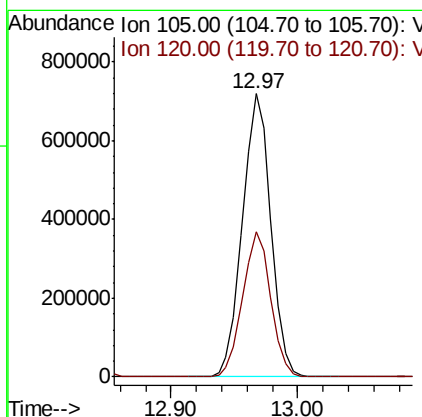
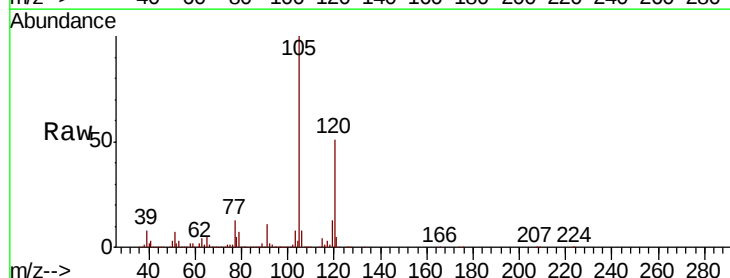
Instrument :
 MSVOA_D
 ClientSampleId :

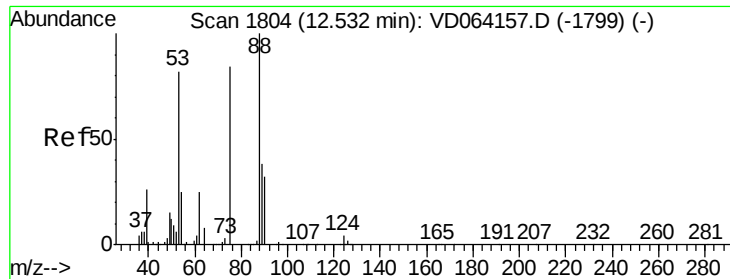
Tot Ion: 91 Resp: 873381
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.7 53.1



#80
 1,3,5-Trimethylbenzene
 Concen: 48.332 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD064280.D
 Acq: 19 Nov 2019 10:19

Tgt Ion: 105 Resp: 1112791
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 47.642 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

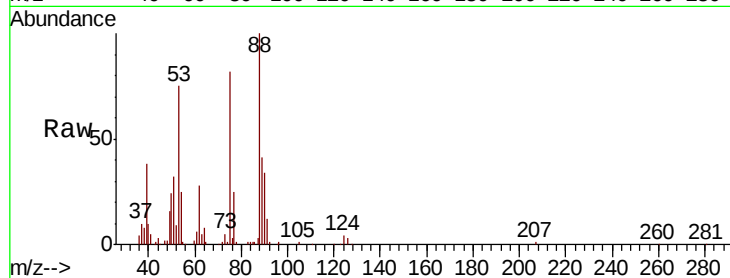
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 73746

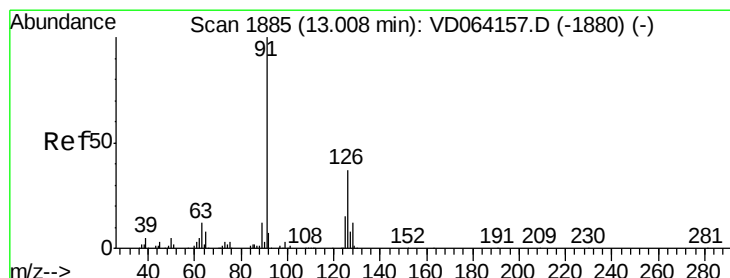
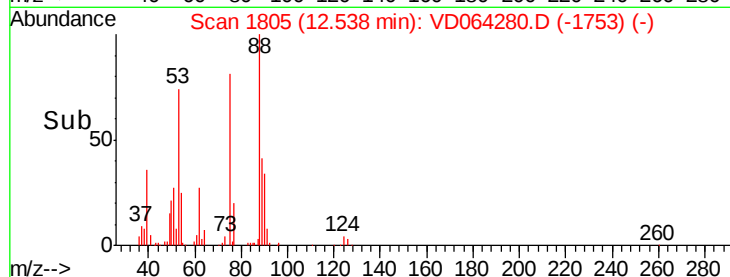
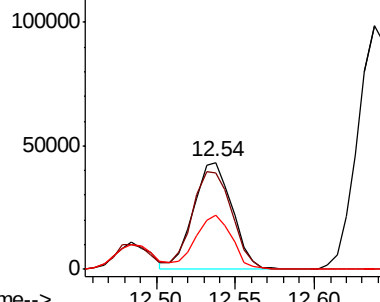
Ion	Ratio	Lower	Upper
75	100		
53	94.4	79.4	119.0
89	47.2	36.6	55.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 48.574 ug/l

RT: 13.01 min Scan# 1886

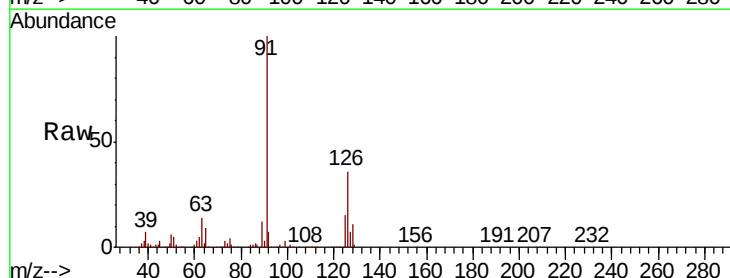
Delta R.T. 0.01 min

Lab File: VD064280.D

Acq: 19 Nov 2019 10:19

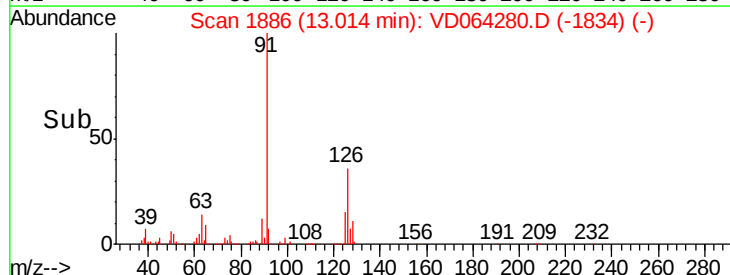
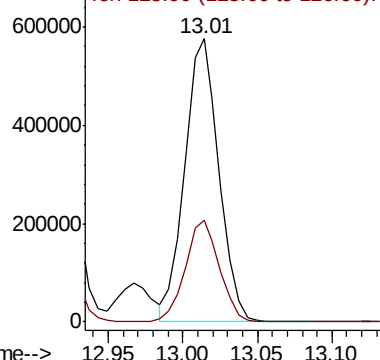
Tgt Ion: 91 Resp: 915689

Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.8	53.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

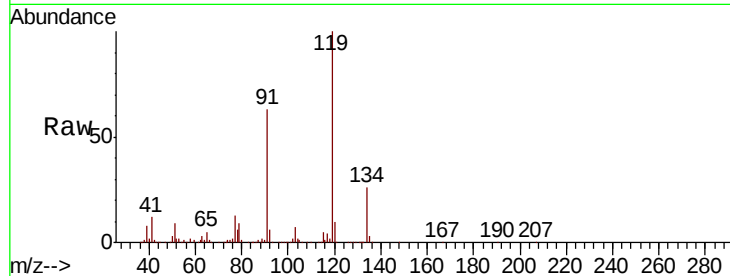




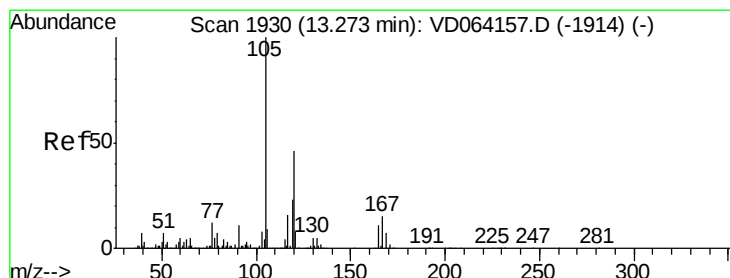
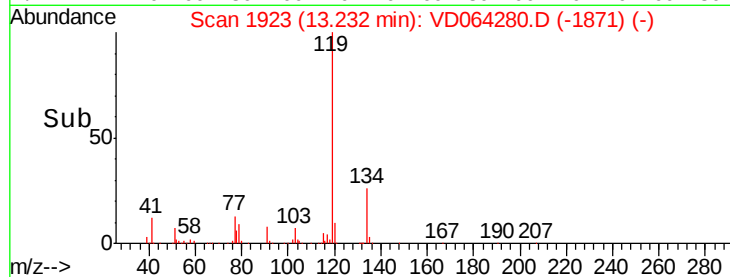
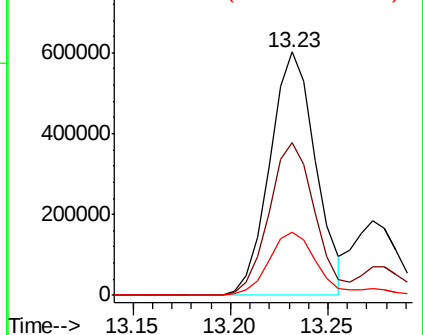
#83
tert-Butylbenzene
Concen: 48.220 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD064280.D
Acq: 19 Nov 2019 10:19

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 978966
Ion Ratio Lower Upper
119 100
91 63.4 31.8 95.4
134 28.6 13.7 41.0

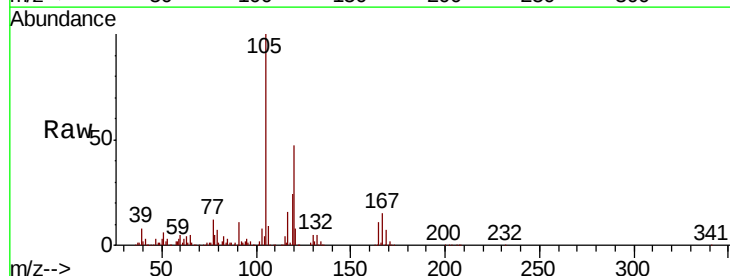


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

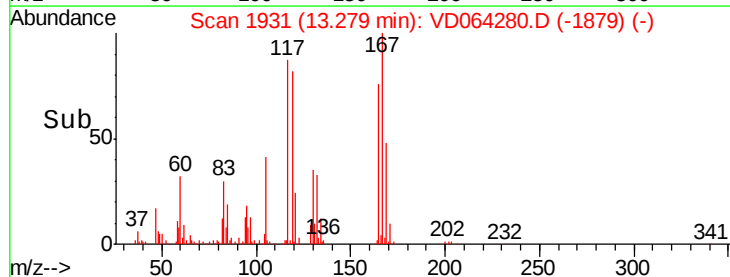
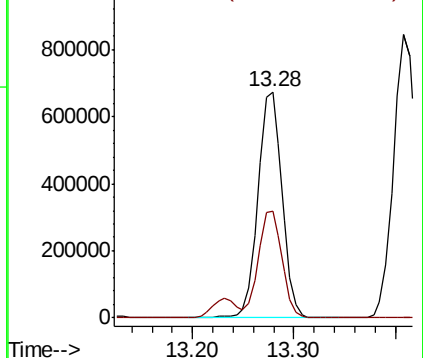


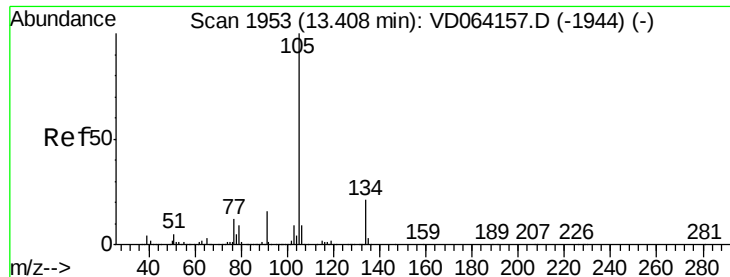
#84
1,2,4-Trimethylbenzene
Concen: 49.071 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064280.D
Acq: 19 Nov 2019 10:19

Tgt Ion:105 Resp: 1115409
Ion Ratio Lower Upper
105 100
120 46.6 23.3 69.8



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

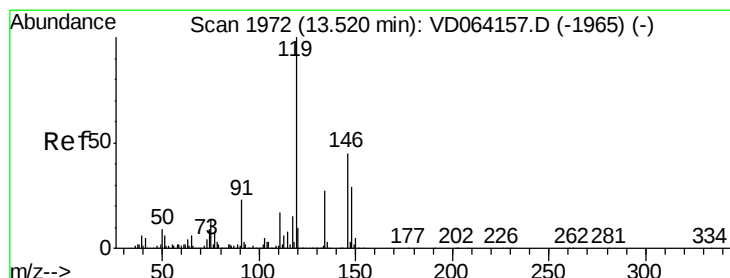
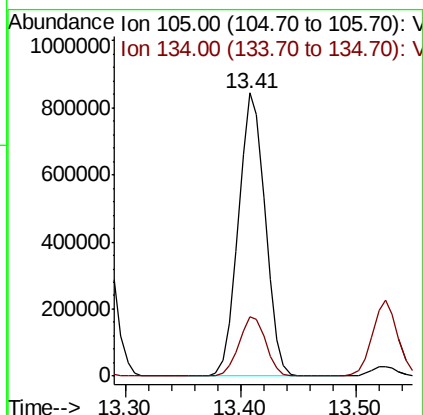
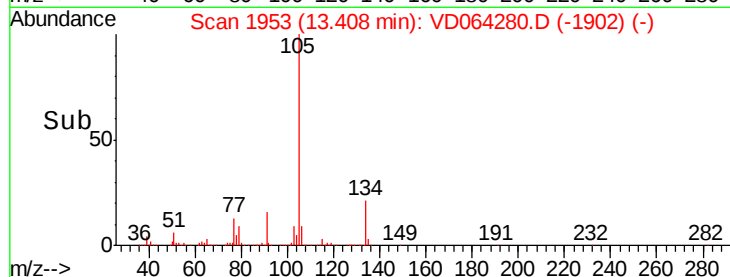
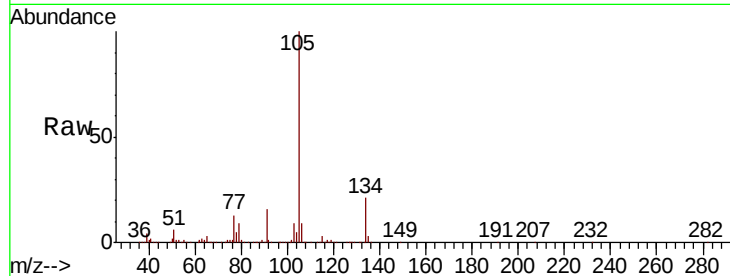




#85
 sec-Butylbenzene
 Concen: 49.716 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064280.D
 Acq: 19 Nov 2019 10:19

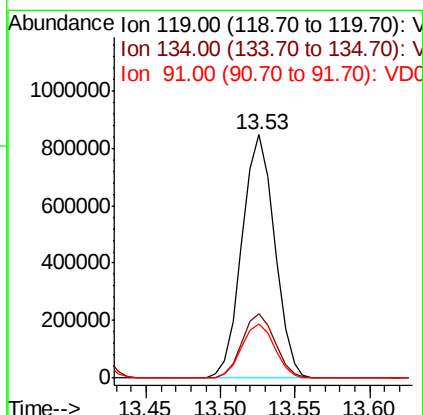
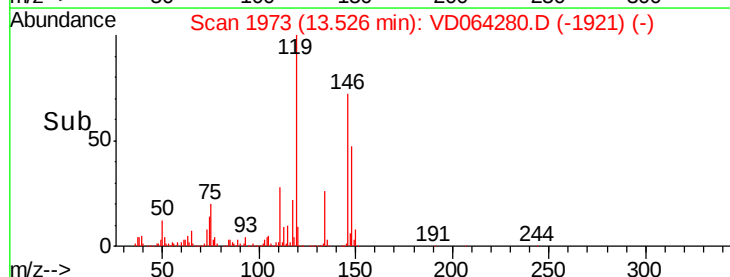
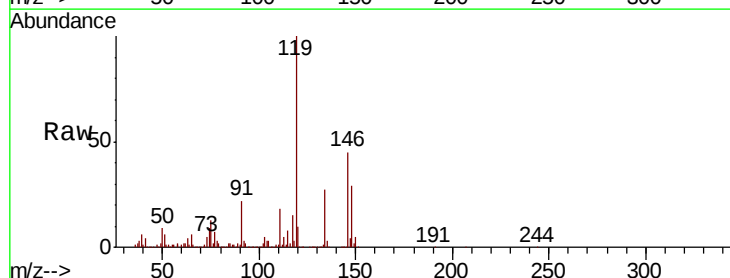
Instrument :
 MSVOA_D
 ClientSampled :

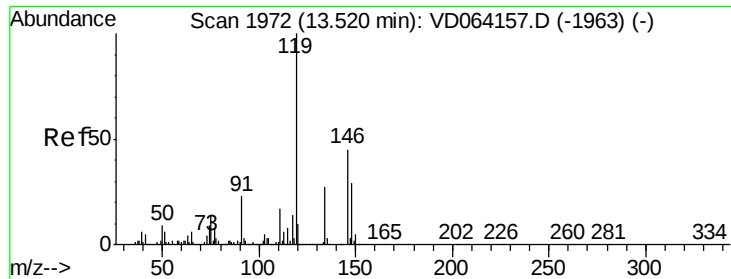
Tot Ion:105 Resp: 1355617
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.7 31.9



#86
 p-Isopropyltoluene
 Concen: 49.704 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064280.D
 Acq: 19 Nov 2019 10:19

Tgt Ion:119 Resp: 1288485
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.5 40.5
 91 22.4 11.5 34.4

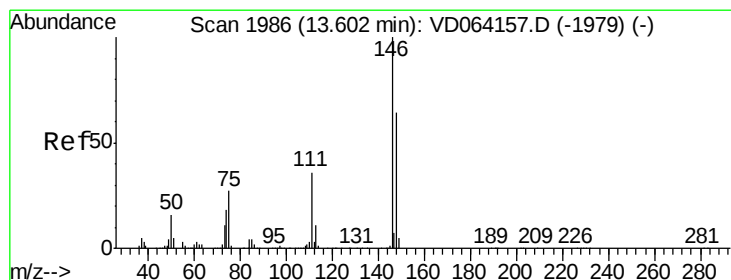
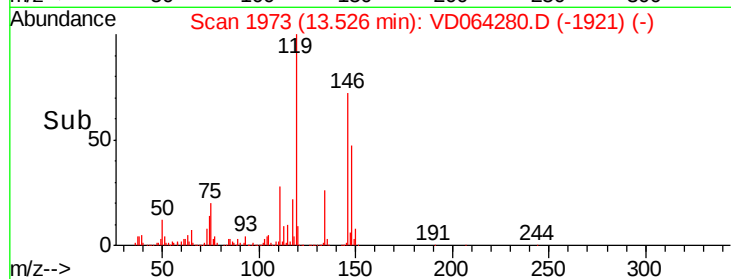
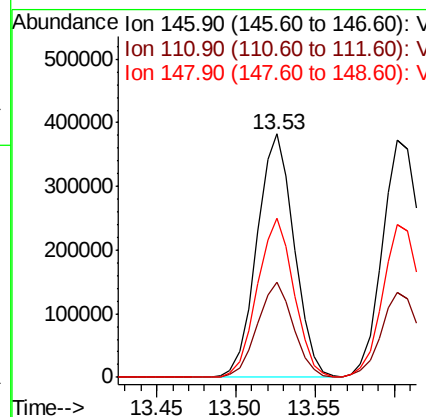
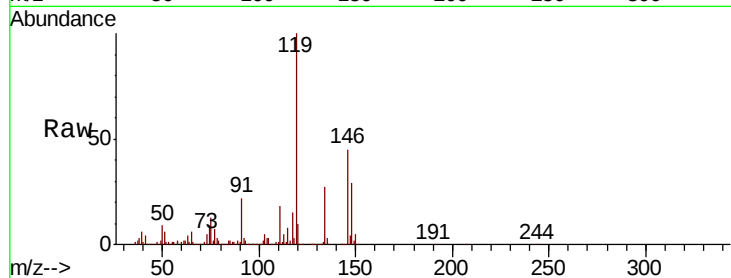




#87
 1,3-Dichlorobenzene
 Concen: 49.564 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064280.D
 Acq: 19 Nov 2019 10:19

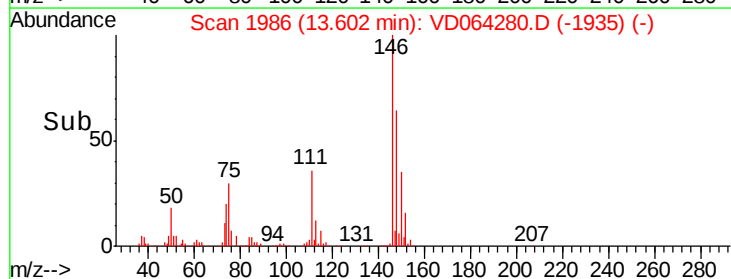
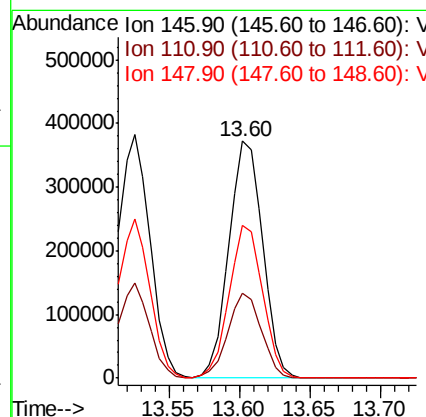
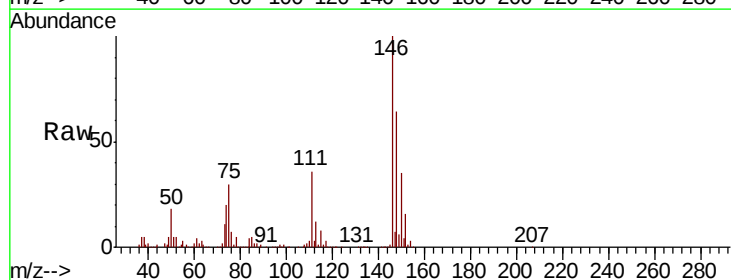
Instrument :
 MSVOA_D
 ClientSampled :

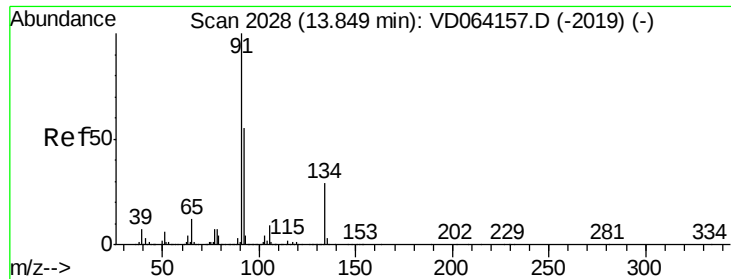
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.9
148	64.2	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 50.364 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064280.D
 Acq: 19 Nov 2019 10:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.1	54.4
148	63.8	31.9	95.7

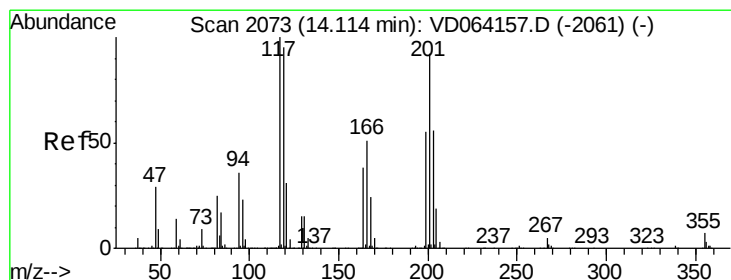
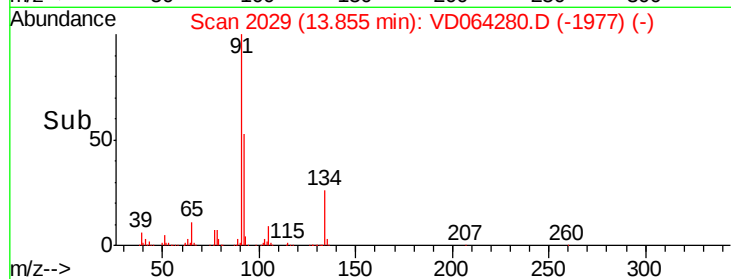
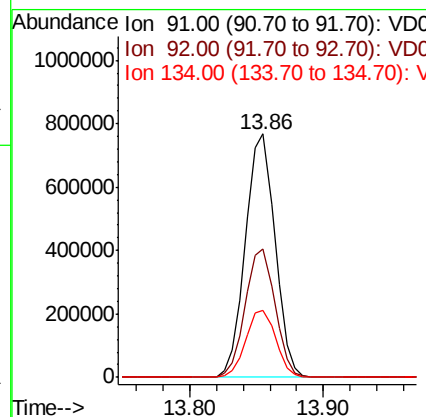
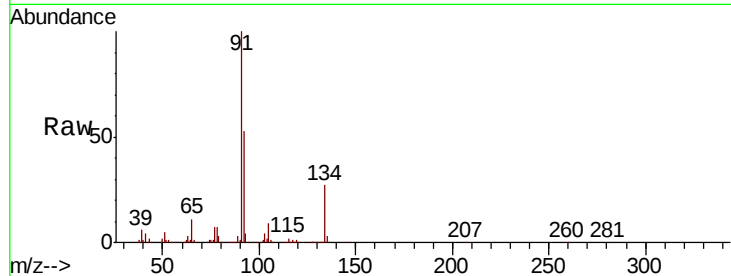




#89
n-Butylbenzene
Concen: 50.237 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064280.D
Acq: 19 Nov 2019 10:19

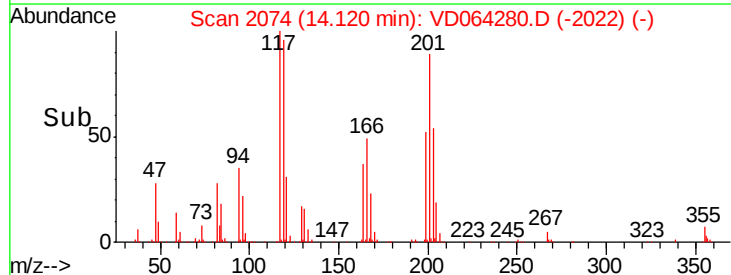
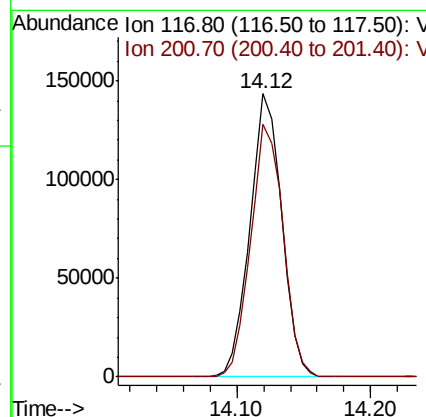
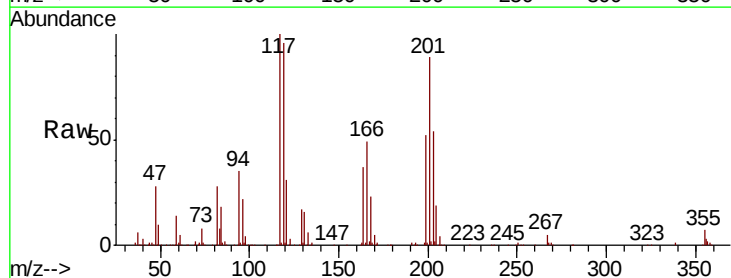
Instrument :
MSVOA_D
ClientSampled :

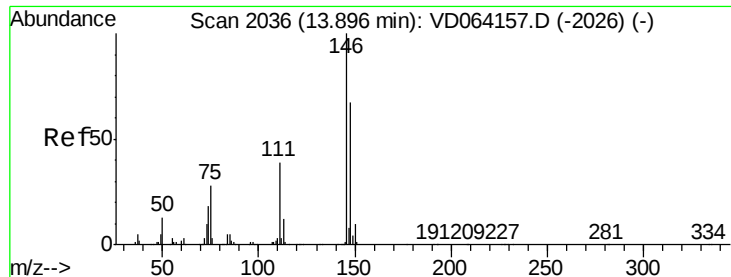
Tot Ion: 91 Resp: 1176560
Ion Ratio Lower Upper
91 100
92 53.3 27.3 81.8
134 27.8 14.1 42.4



#90
Hexachloroethane
Concen: 49.139 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064280.D
Acq: 19 Nov 2019 10:19

Tgt Ion: 117 Resp: 235416
Ion Ratio Lower Upper
117 100
201 91.1 45.8 137.4

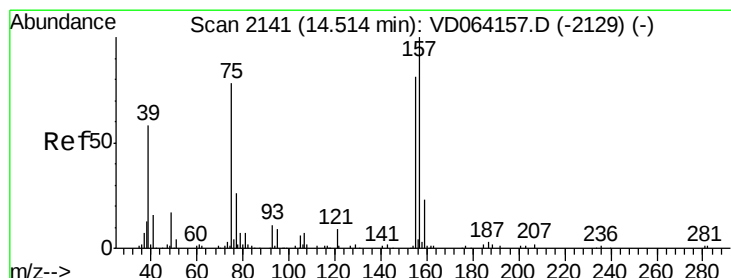
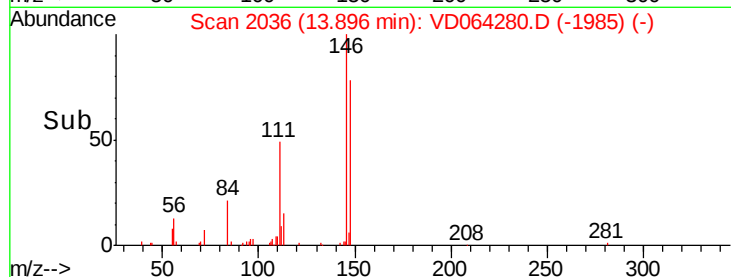
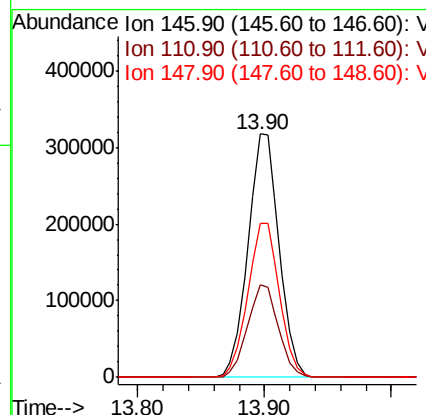
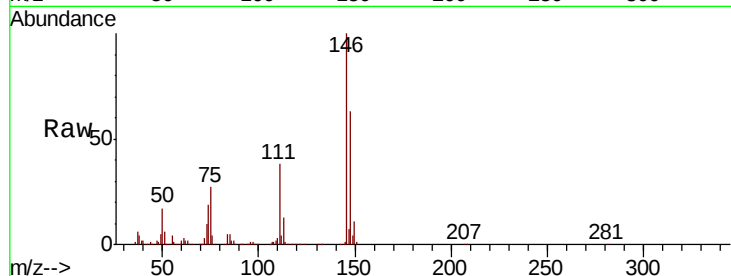




#91
 1,2-Dichlorobenzene
 Concen: 50.594 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064280.D
 Acq: 19 Nov 2019 10:19

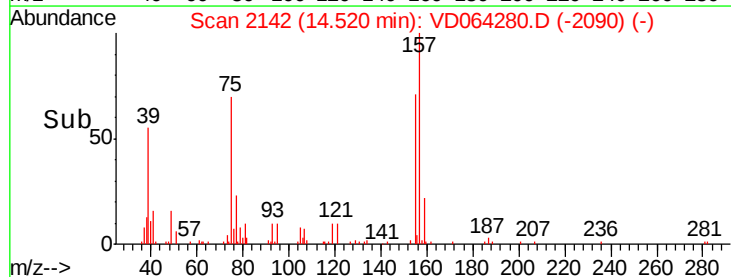
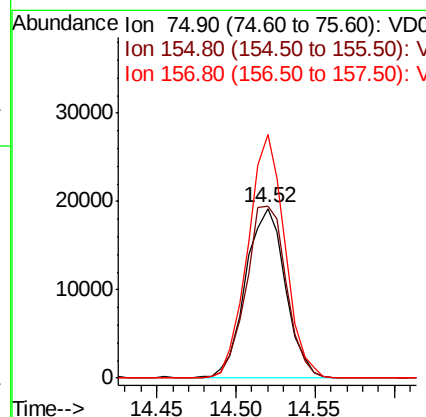
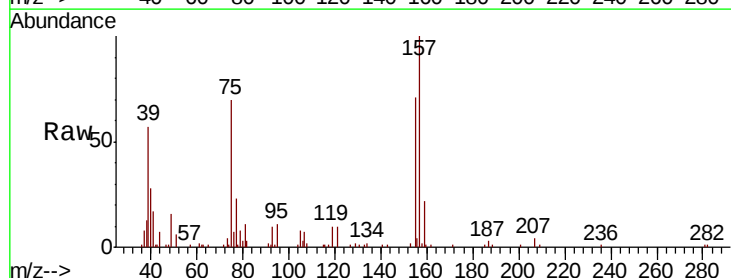
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.7	59.0
148	64.2	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.779 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD064280.D
 Acq: 19 Nov 2019 10:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.5	48.0	144.0
157	132.2	61.5	184.4

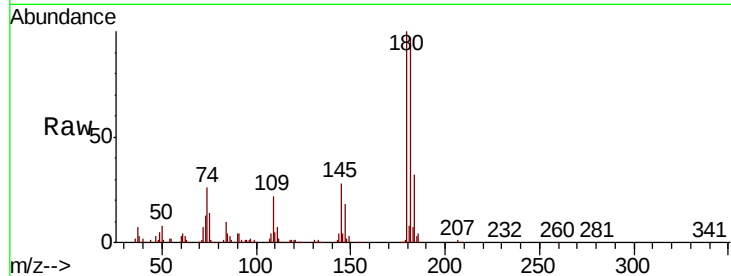




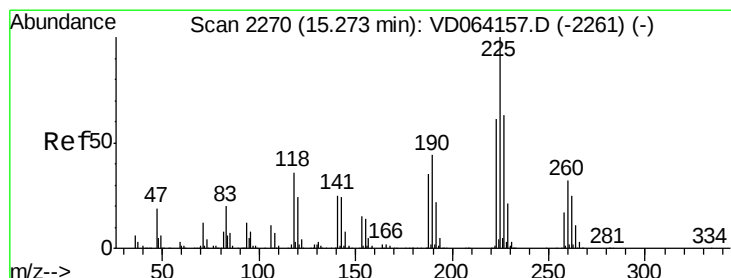
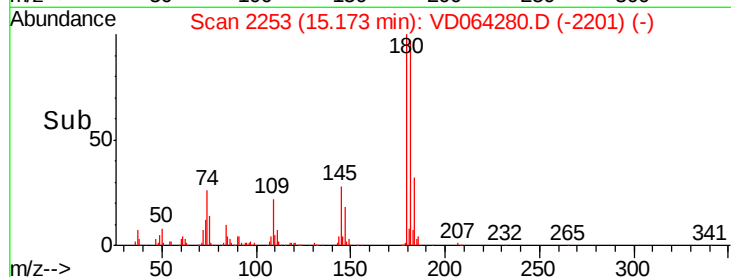
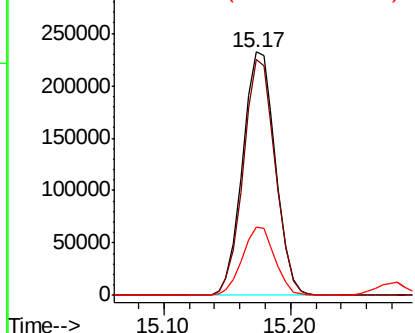
#93
 1,2,4-Trichlorobenzene
 Concen: 50.377 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064280.D
 Acq: 19 Nov 2019 10:19

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.5	142.5
145	28.0	14.2	42.6

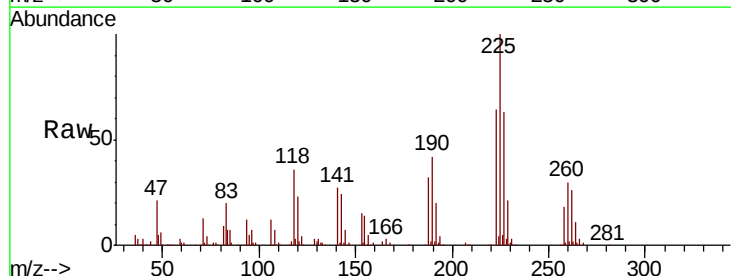


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

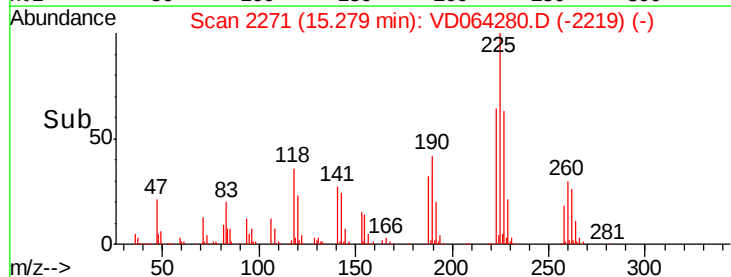
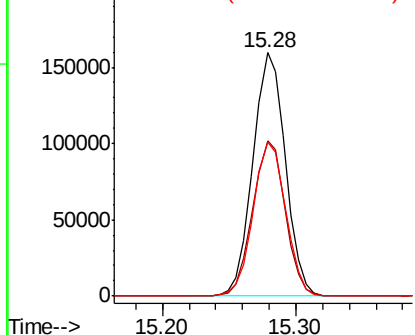


#94
 Hexachlorobutadiene
 Concen: 50.249 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064280.D
 Acq: 19 Nov 2019 10:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.1	93.3
227	63.4	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

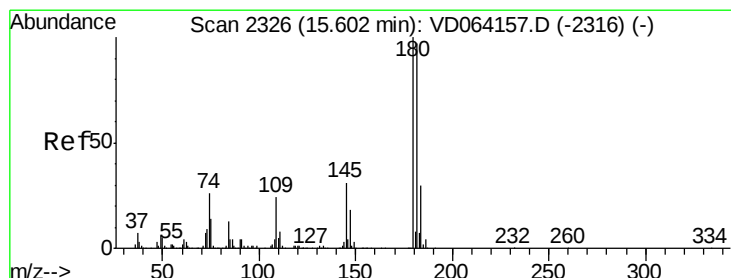
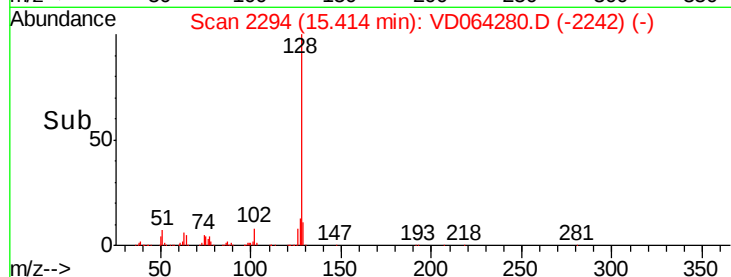
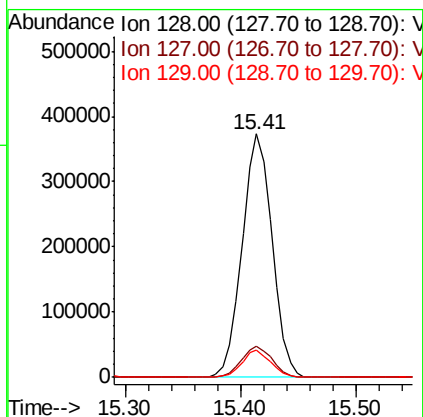
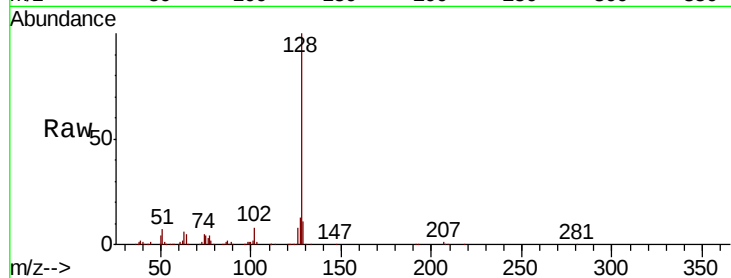




#95
Naphthalene
Concen: 49.634 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD064280.D
Acq: 19 Nov 2019 10:19

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.8	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 50.442 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VD064280.D
Acq: 19 Nov 2019 10:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.3	144.9
145	29.9	15.3	45.8

