

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111419\
 Data File : VD064211.D
 Acq On : 14 Nov 2019 13:11
 Operator : VA/SY
 Sample : VD1114SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 15 05:51:55 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	630353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	900281	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	777271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	378371	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	267565	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
35) Dibromofluoromethane	7.91	113	268314	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
50) Toluene-d8	10.34	98	1007266	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
62) 4-Bromofluorobenzene	12.64	95	338761	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	98998	18.936	ug/l	97
3) Chloromethane	2.21	50	123419	22.009	ug/l	97
4) Vinyl Chloride	2.35	62	138110	23.031	ug/l	99
5) Bromomethane	2.76	94	89667	23.680	ug/l	99
6) Chloroethane	2.91	64	91418	23.858	ug/l	99
7) Trichlorofluoromethane	3.27	101	229228	23.577	ug/l	95
8) Diethyl Ether	3.70	74	54194	20.273	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	111085	19.990	ug/l	99
10) Methyl Iodide	4.29	142	106456	18.132	ug/l	96
11) Tert butyl alcohol	5.26	59	38089	105.189	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	105002	19.824	ug/l	90
13) Acrolein	3.93	56	25548	83.401	ug/l	98
14) Allyl chloride	4.71	41	180184	19.240	ug/l	94
15) Acrylonitrile	5.43	53	121166	106.319	ug/l	98
16) Acetone	4.16	43	102393	83.371	ug/l	97
17) Carbon Disulfide	4.40	76	327442	19.851	ug/l	99
18) Methyl Acetate	4.73	43	66029	19.249	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	254561	20.132	ug/l	96
20) Methylene Chloride	4.96	84	121628	19.605	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	118938	19.820	ug/l	96
22) Diisopropyl ether	6.37	45	340054	19.570	ug/l	97
23) Vinyl Acetate	6.31	43	1019865	105.294	ug/l	99
24) 1,1-Dichloroethane	6.26	63	203026	20.123	ug/l	98
25) 2-Butanone	7.23	43	156201	98.443	ug/l	97
26) 2,2-Dichloropropane	7.21	77	194338	19.642	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	129913	20.187	ug/l	98
28) Bromochloromethane	7.55	49	60080	17.104	ug/l	97
29) Tetrahydrofuran	7.57	42	100683	105.612	ug/l	98
30) Chloroform	7.71	83	214904	20.824	ug/l	98
31) Cyclohexane	7.98	56	200365	19.692	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	198634	20.101	ug/l	100
36) 1,1-Dichloropropene	8.11	75	169628	20.415	ug/l	99
37) Ethyl Acetate	7.30	43	72672	20.747	ug/l	99
38) Carbon Tetrachloride	8.10	117	179012	20.135	ug/l	91

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Quant Time: Nov 15 05:51:55 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)

39) Methylcyclohexane	9.36	83	207738	19.759	ug/l	96
40) Benzene	8.35	78	450619	19.844	ug/l	98
41) Methacrylonitrile	7.53	41	37469	17.019	ug/l #	81
42) 1,2-Dichloroethane	8.43	62	136296	19.984	ug/l	99
43) Isopropyl Acetate	8.46	43	145872	20.212	ug/l	98
44) Trichloroethene	9.11	130	136356	20.007	ug/l	99
45) 1,2-Dichloropropane	9.39	63	110441	19.982	ug/l	97
46) Dibromomethane	9.48	93	59956	20.262	ug/l	99
47) Bromodichloromethane	9.66	83	161026	20.203	ug/l	98
48) Methyl methacrylate	9.46	41	65045	18.431	ug/l #	89
49) 1,4-Dioxane	9.46	88	14924	419.955	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	352145	101.748	ug/l	100
52) Toluene	10.40	92	296440	19.853	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	154131	19.303	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	182957	19.635	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	84556	21.065	ug/l	98
56) Ethyl methacrylate	10.66	69	110566	19.691	ug/l	96
57) 1,3-Dichloropropane	10.95	76	144347	20.619	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	231818	101.918	ug/l	100
59) 2-Hexanone	10.98	43	242781	98.600	ug/l	99
60) Dibromochloromethane	11.14	129	114461	20.435	ug/l	99
61) 1,2-Dibromoethane	11.25	107	80931	20.130	ug/l	99
64) Tetrachloroethene	10.87	164	117892	19.721	ug/l	97
65) Chlorobenzene	11.67	112	313524	19.836	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	117280	19.514	ug/l	99
67) Ethyl Benzene	11.75	91	573919	20.074	ug/l	100
68) m/p-Xylenes	11.86	106	435316	39.724	ug/l	97
69) o-Xylene	12.18	106	201231	19.799	ug/l	100
70) Styrene	12.20	104	348291	19.632	ug/l	99
71) Bromoform	12.36	173	70583	20.636	ug/l #	96
73) Isopropylbenzene	12.48	105	555483	20.001	ug/l	100
74) N-amyl acetate	12.29	43	134109	20.449	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	89143	21.302	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	122676	40.253	ug/l #	100
77) Bromobenzene	12.77	156	134873	19.990	ug/l	98
78) n-propylbenzene	12.83	91	640957	20.200	ug/l	99
79) 2-Chlorotoluene	12.91	91	352212	19.661	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	456265	19.994	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	31583	20.585	ug/l	98
82) 4-Chlorotoluene	13.01	91	366384	19.608	ug/l	99
83) tert-Butylbenzene	13.23	119	408381	20.295	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	442669	19.648	ug/l	100
85) sec-Butylbenzene	13.40	105	542352	20.067	ug/l	99
86) p-Isopropyltoluene	13.52	119	499878	19.455	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	248320	19.827	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	245912	20.117	ug/l	99
89) n-Butylbenzene	13.85	91	458560	19.754	ug/l	100
90) Hexachloroethane	14.12	117	93280	19.644	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	215019	20.283	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14930	19.954	ug/l	95

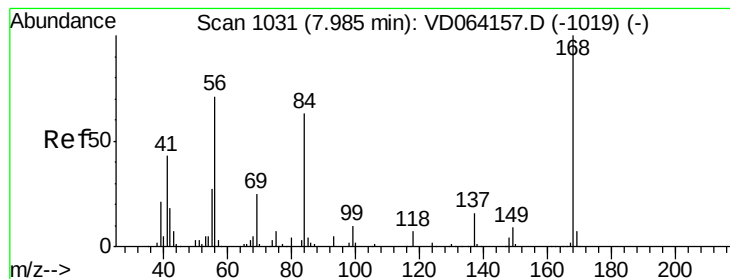
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Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	162015	19.812	ug/l	100
94) Hexachlorobutadiene	15.27	225	105305	19.937	ug/l	99
95) Naphthalene	15.41	128	279825	20.874	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	139751	20.104	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

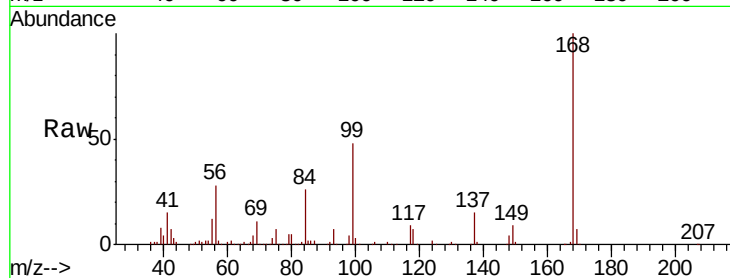
ClientSampled :

Tot Ion:168 Resp: 630353

Ion Ratio Lower Upper

168 100

99 48.2 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

300000

250000

200000

150000

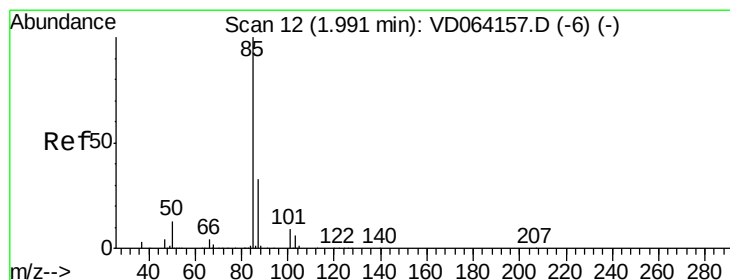
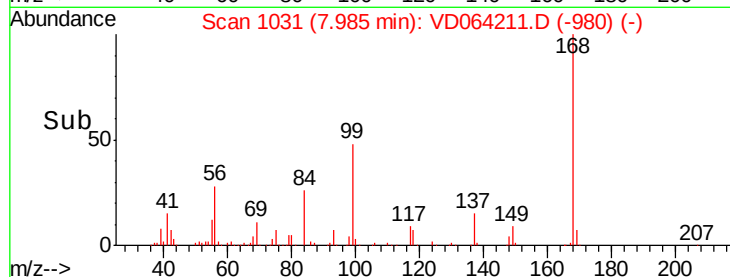
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.936 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064211.D

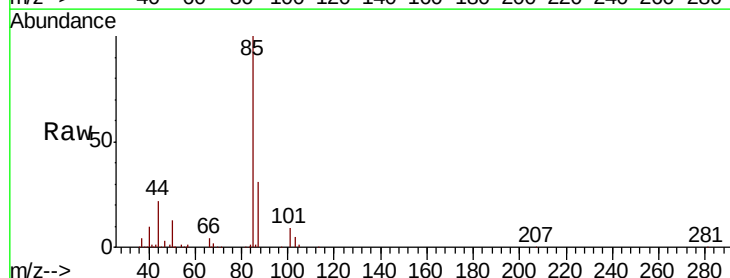
Acq: 14 Nov 2019 13:11

Tgt Ion: 85 Resp: 98998

Ion Ratio Lower Upper

85 100

87 31.3 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): V

1.99

80000

60000

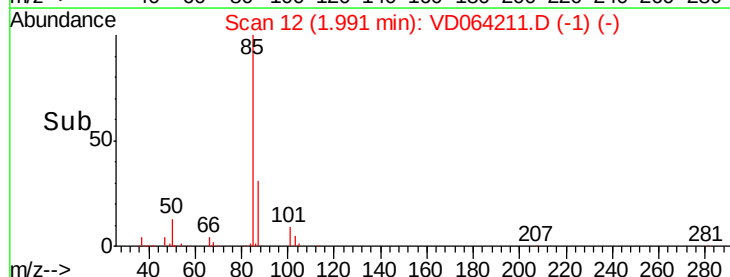
40000

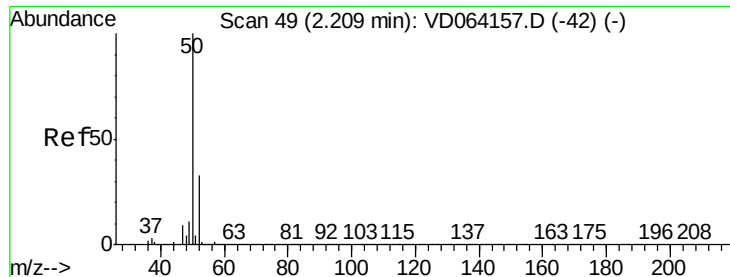
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 22.009 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

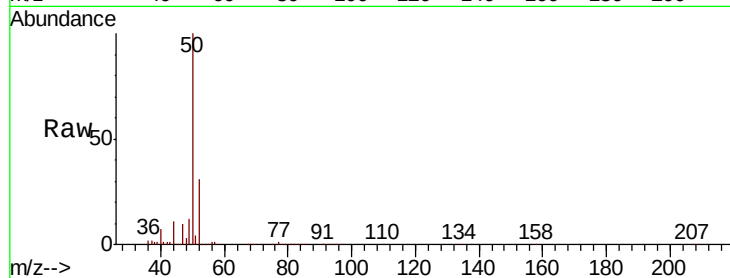
ClientSampleId :

Tot Ion: 50 Resp: 123419

Ion Ratio Lower Upper

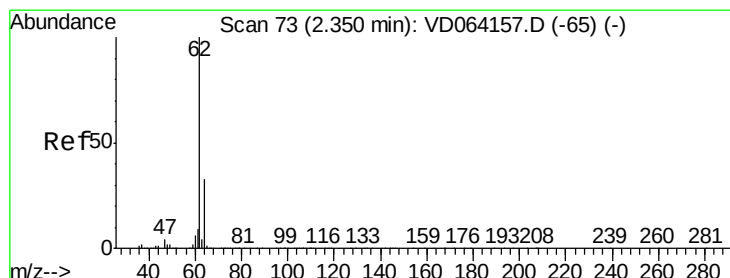
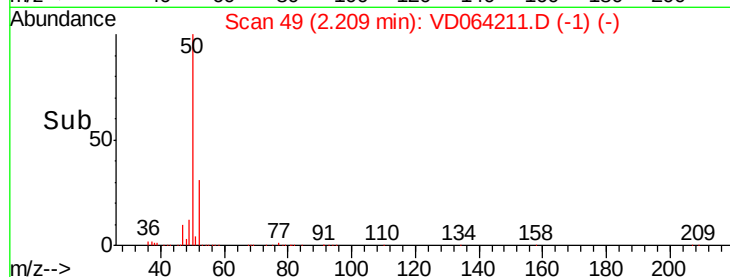
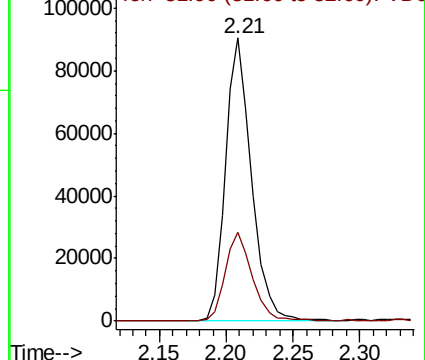
50 100

52 31.2 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.031 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064211.D

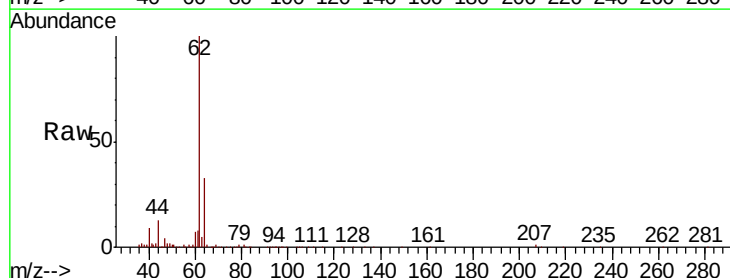
Acq: 14 Nov 2019 13:11

Tgt Ion: 62 Resp: 138110

Ion Ratio Lower Upper

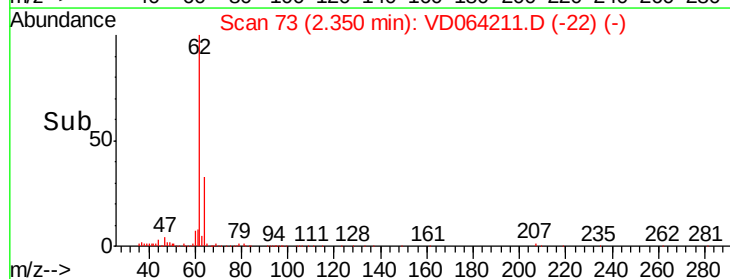
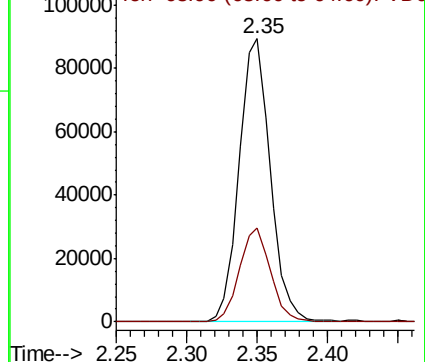
62 100

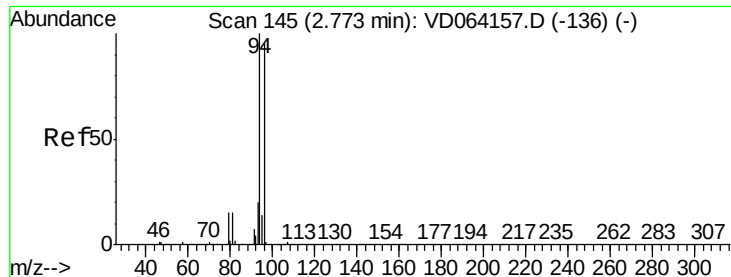
64 33.3 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 23.680 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

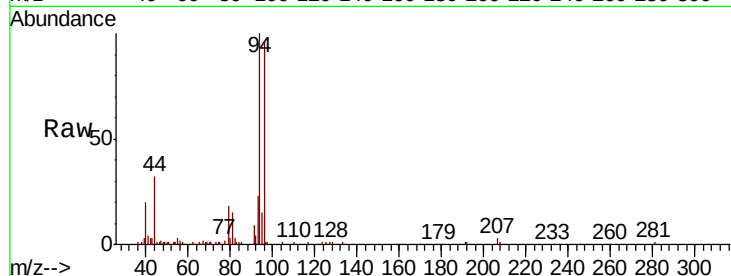
ClientSampleId :

Tot Ion: 94 Resp: 89667

Ion Ratio Lower Upper

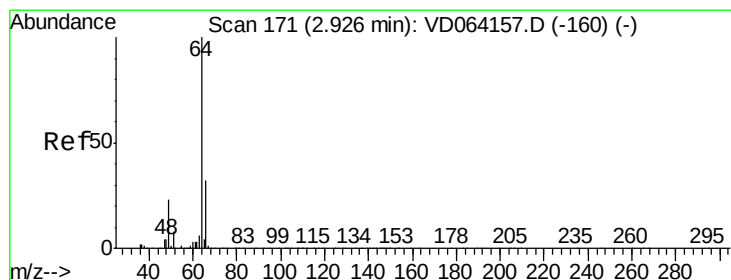
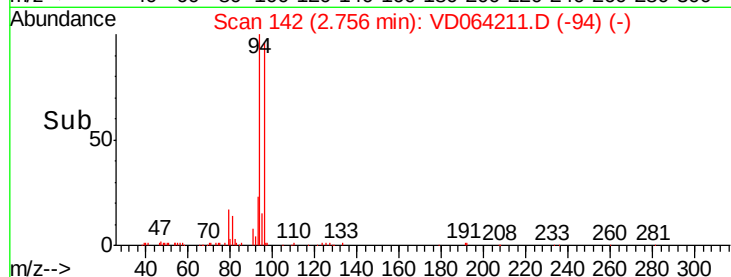
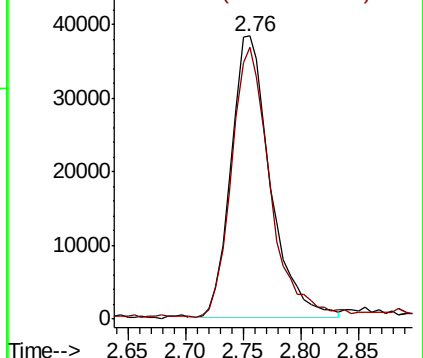
94 100

96 96.1 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: 23.858 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD064211.D

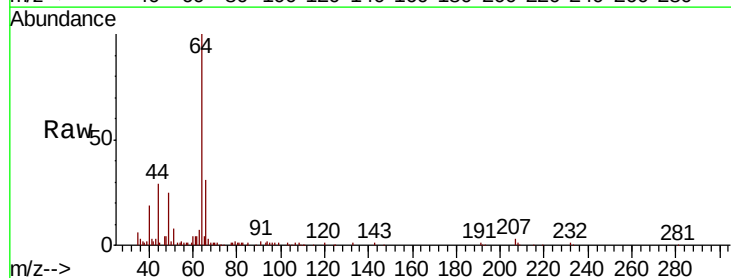
Acq: 14 Nov 2019 13:11

Tgt Ion: 64 Resp: 91418

Ion Ratio Lower Upper

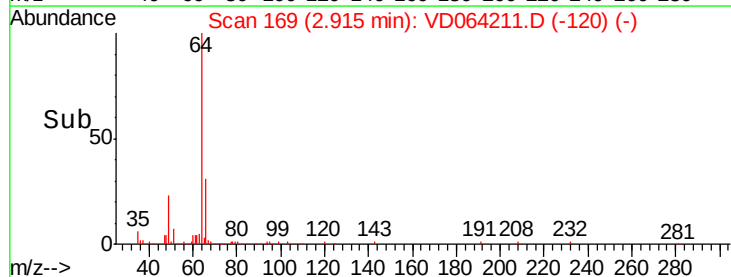
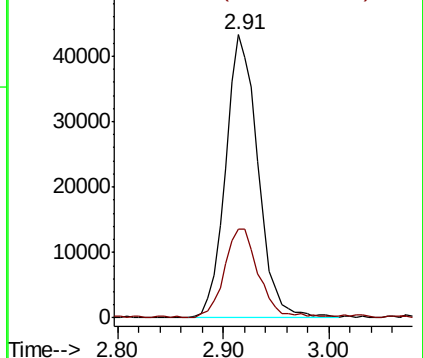
64 100

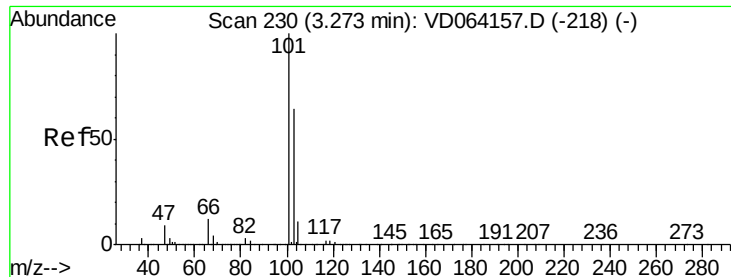
66 31.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



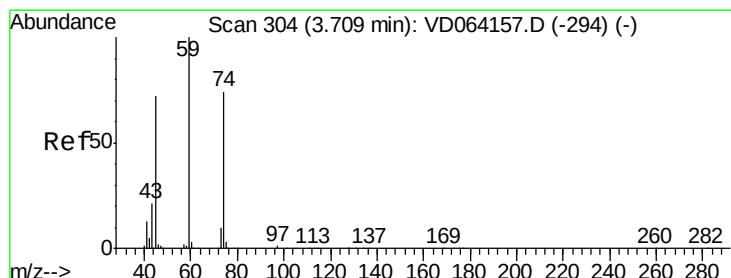
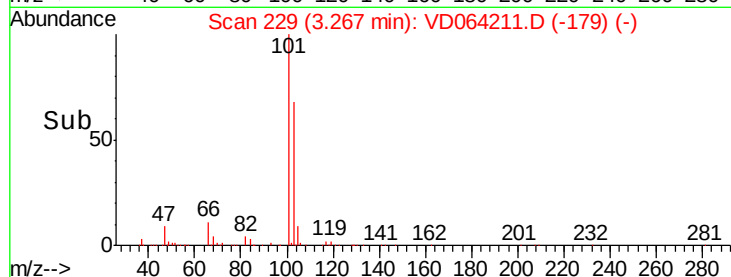
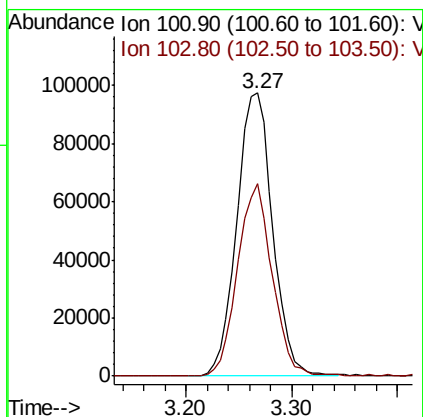
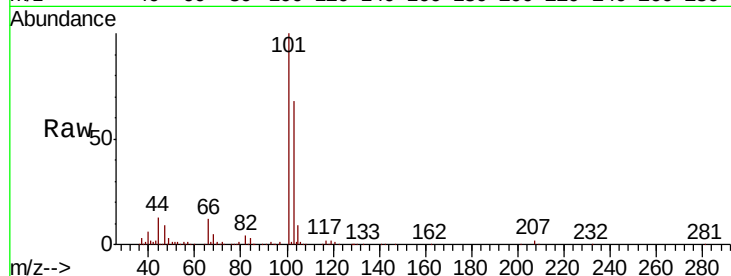


#7

Trichlorofluoromethane
Concen: 23.577 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :

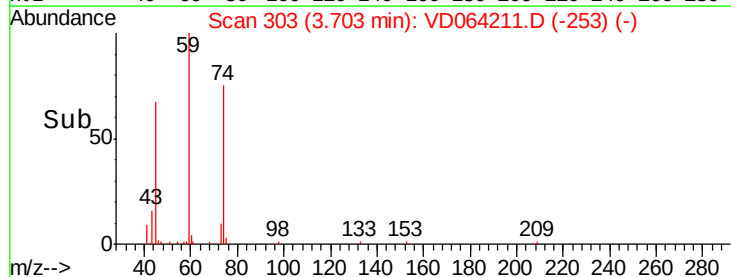
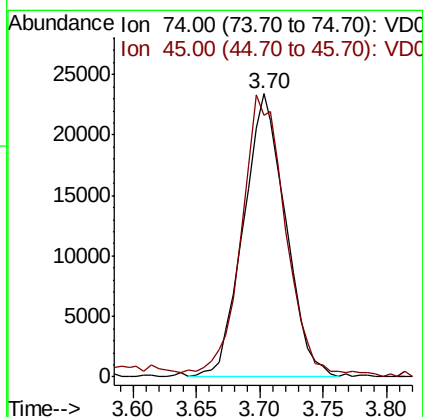
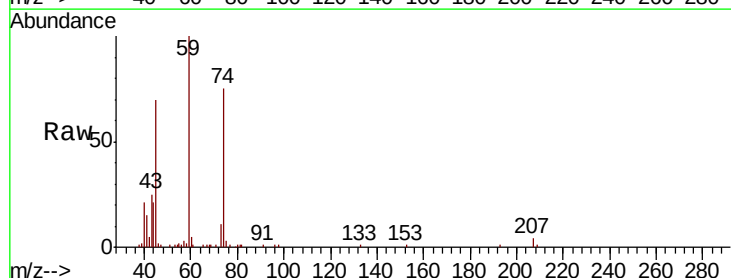
Tot Ion:101 Resp: 229228
Ion Ratio Lower Upper
101 100
103 67.6 50.8 76.2

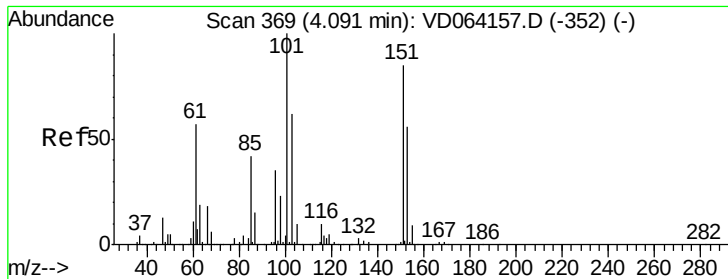


#8

Diethyl Ether
Concen: 20.273 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion: 74 Resp: 54194
Ion Ratio Lower Upper
74 100
45 98.6 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.990 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064211.D

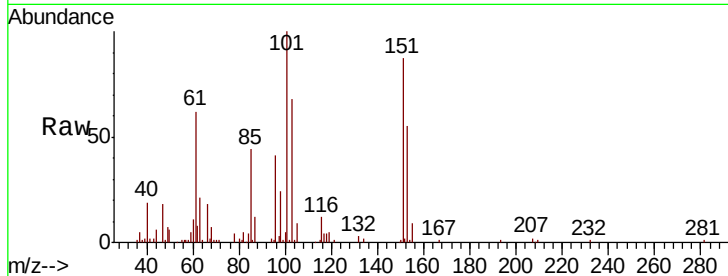
Acq: 14 Nov 2019 13:11

Instrument :

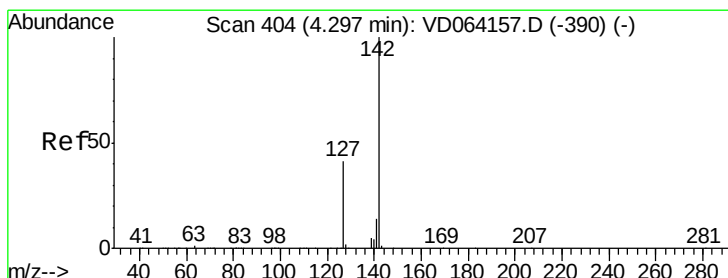
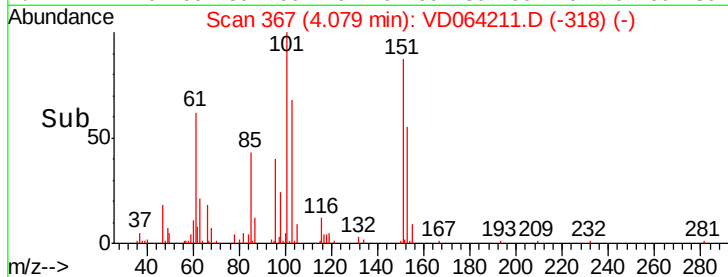
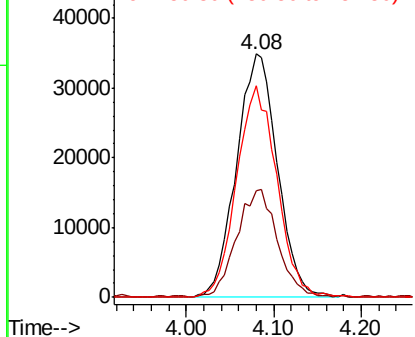
MSVOA_D

ClientSampled :

Tot Ion:	101	Resp:	111085
Ion	Ratio	Lower	Upper
101	100		
85	44.1	34.4	51.6
151	84.6	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: 18.132 ug/l

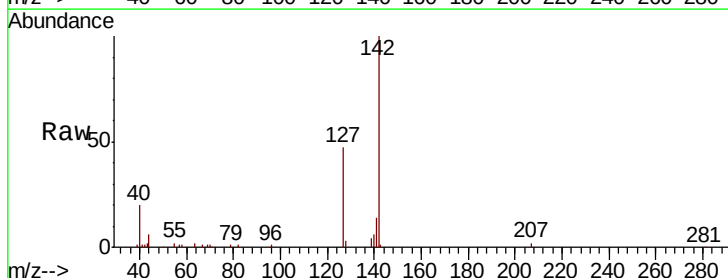
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

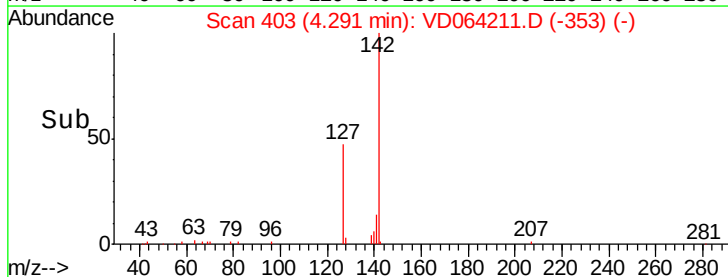
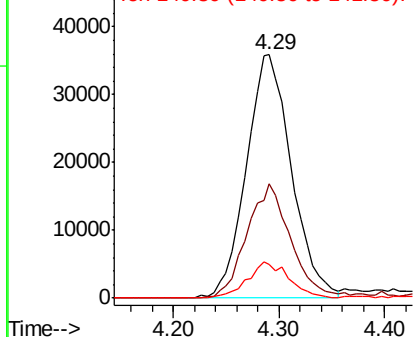
Lab File: VD064211.D

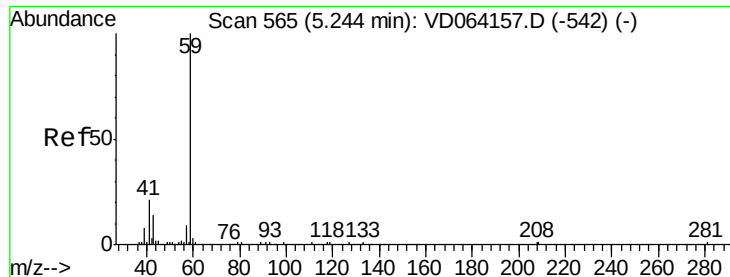
Acq: 14 Nov 2019 13:11

Tgt Ion:	142	Resp:	106456
Ion	Ratio	Lower	Upper
142	100		
127	46.1	34.4	51.6
141	13.8	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



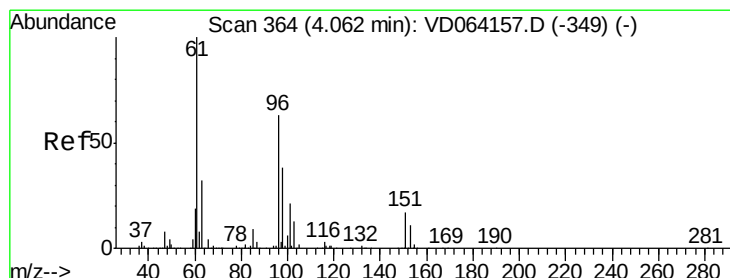
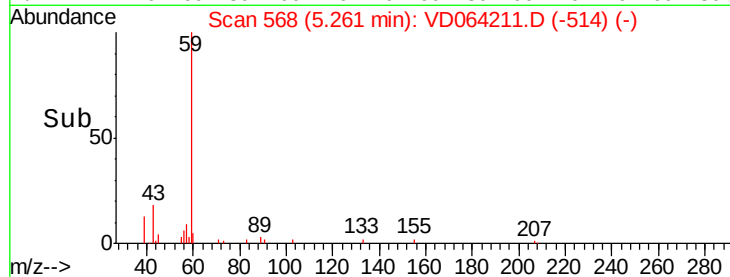
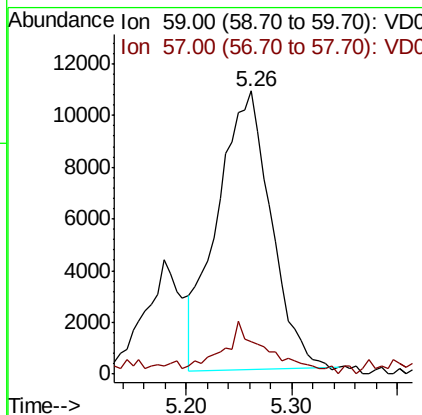
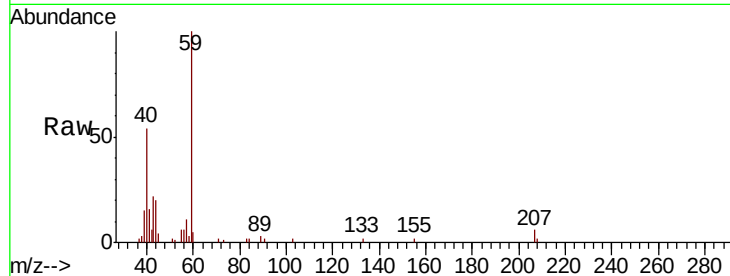


#11

Tert butyl alcohol
Concen: 105.189 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.02 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :

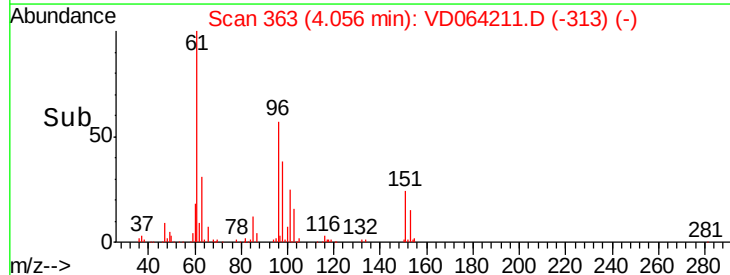
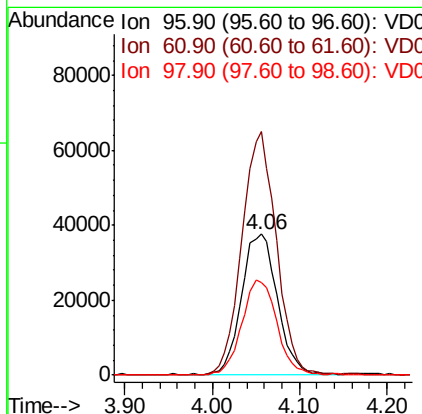
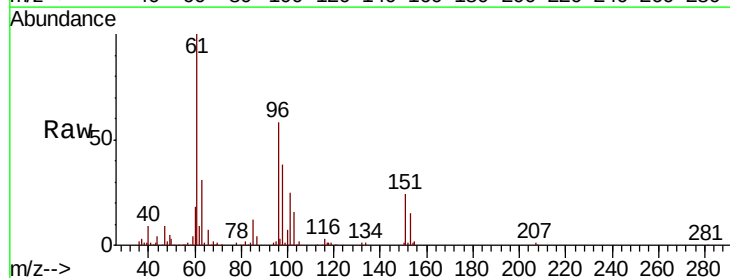
Tot Ion: 59 Resp: 38089
Ion Ratio Lower Upper
59 100
57 16.3 9.4 14.2#

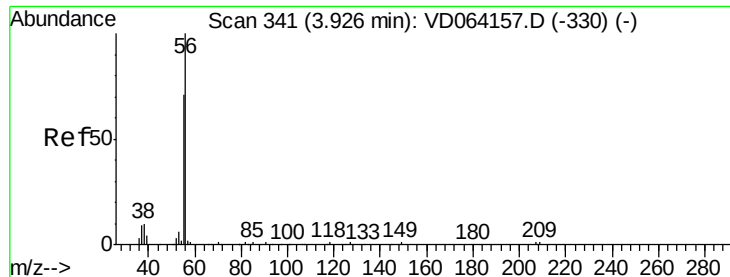


#12

1,1-Dichloroethene
Concen: 19.824 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion: 96 Resp: 105002
Ion Ratio Lower Upper
96 100
61 173.0 127.4 191.2
98 65.8 48.1 72.1





#13

Acrolein

Concen: 83.401 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

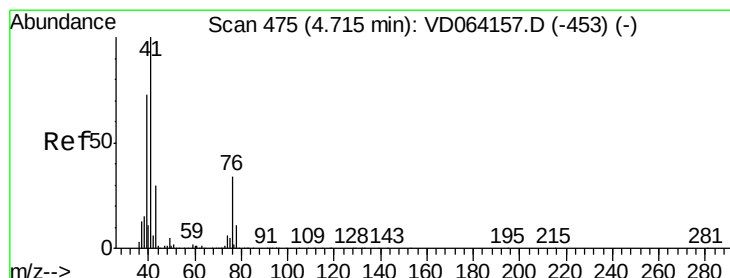
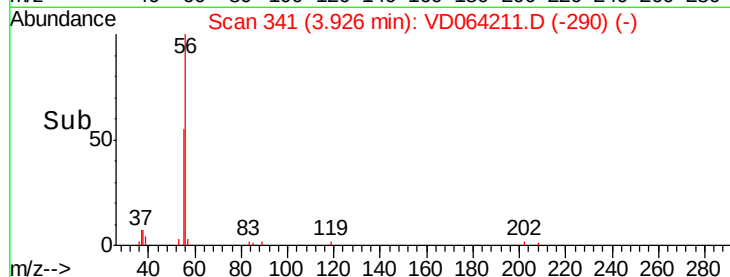
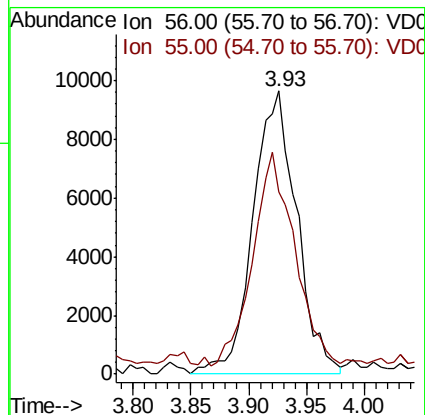
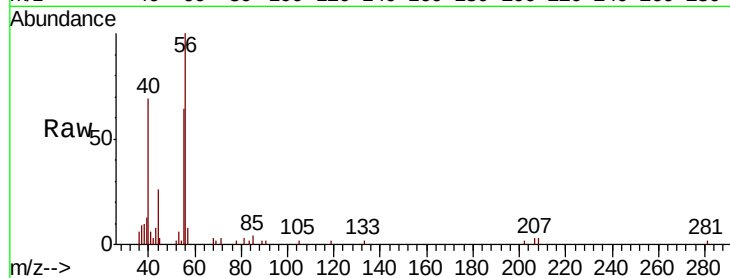
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 25548

Ion Ratio Lower Upper

56 100

55 71.7 56.1 84.1



#14

Allyl chloride

Concen: 19.240 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

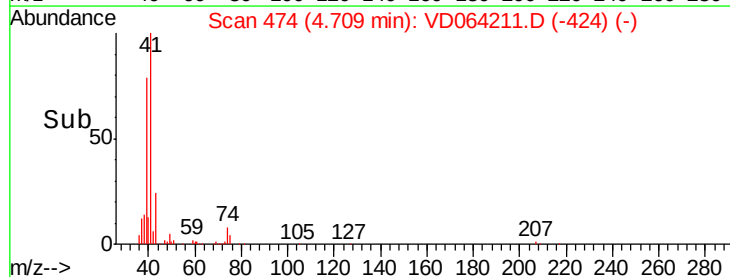
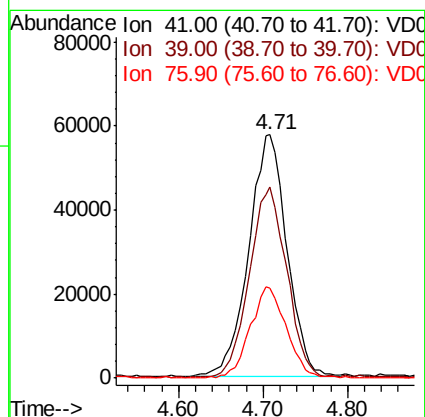
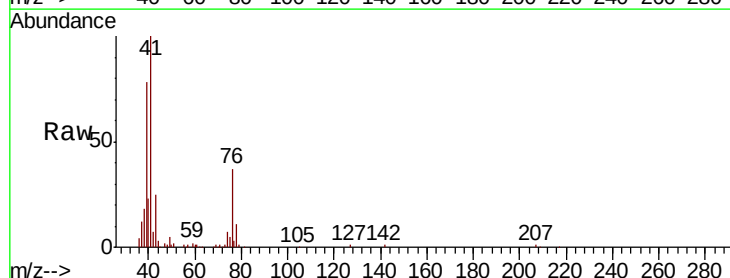
Tgt Ion: 41 Resp: 180184

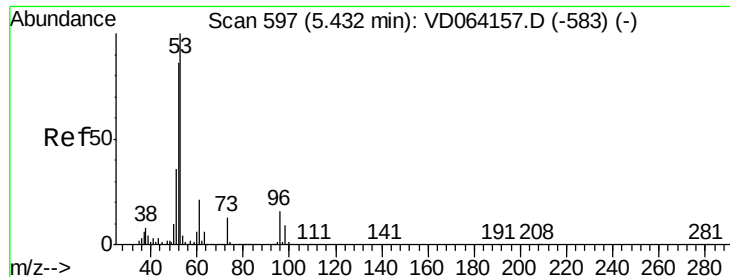
Ion Ratio Lower Upper

41 100

39 77.4 57.5 86.3

76 36.1 26.8 40.2





#15

Acrylonitrile

Concen: 106.319 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

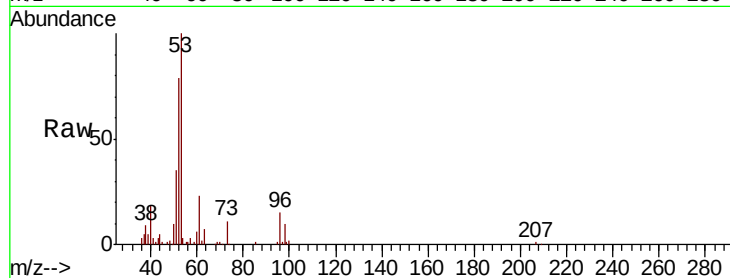
Tot Ion: 53 Resp: 121166

Ion Ratio Lower Upper

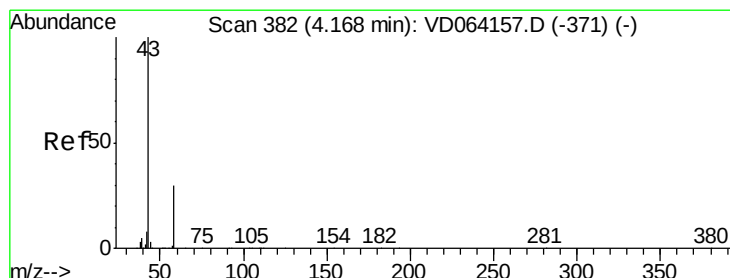
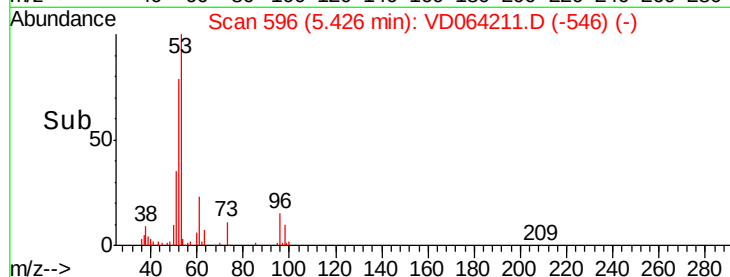
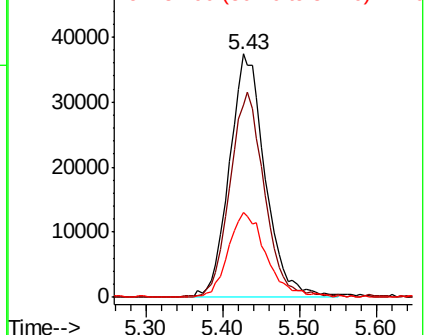
53 100

52 82.1 66.7 100.1

51 36.6 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: 83.371 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064211.D

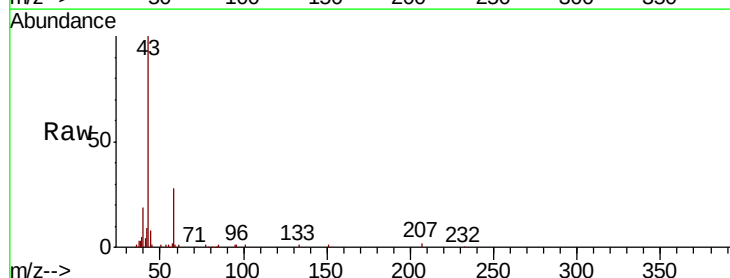
Acq: 14 Nov 2019 13:11

Tgt Ion: 43 Resp: 102393

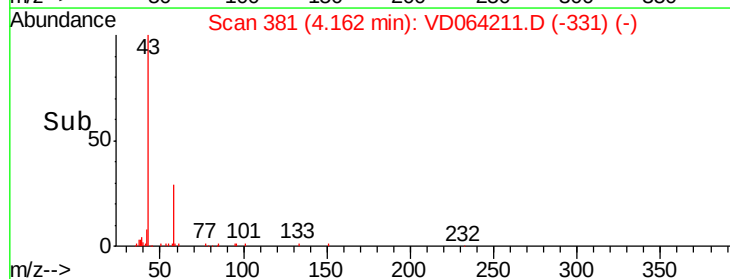
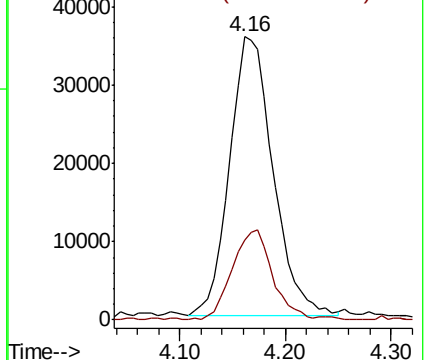
Ion Ratio Lower Upper

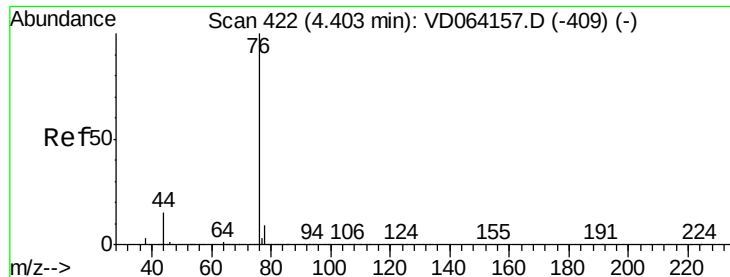
43 100

58 28.6 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: 19.851 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

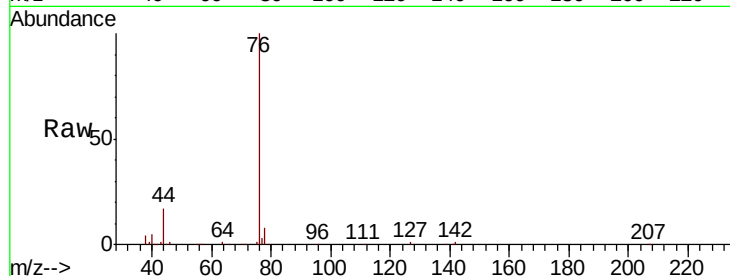
ClientSampled :

Tot Ion: 76 Resp: 327442

Ion Ratio Lower Upper

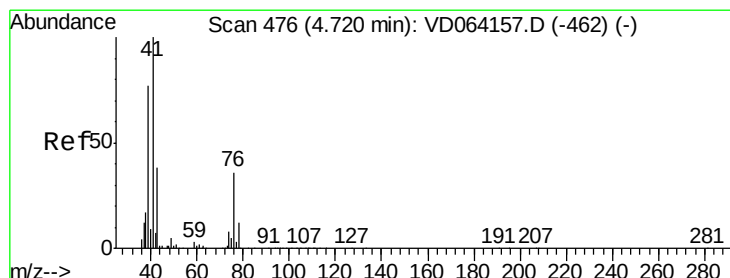
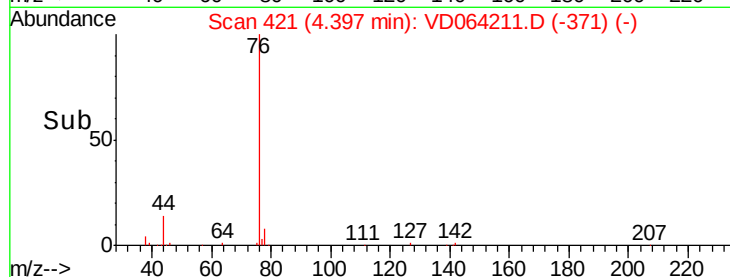
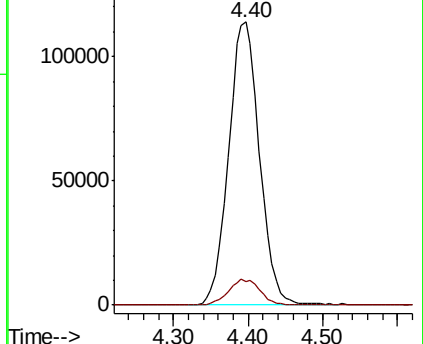
76 100

78 8.5 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 19.249 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD064211.D

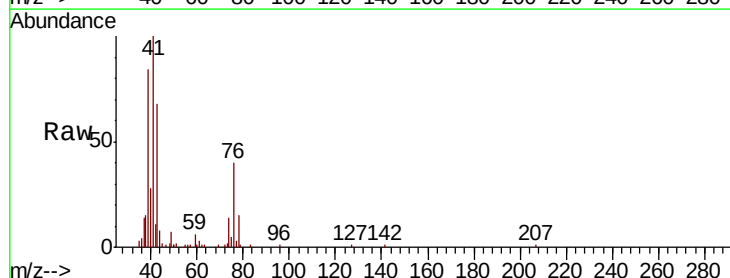
Acq: 14 Nov 2019 13:11

Tgt Ion: 43 Resp: 66029

Ion Ratio Lower Upper

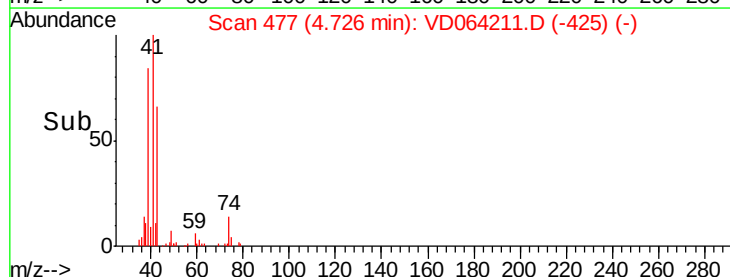
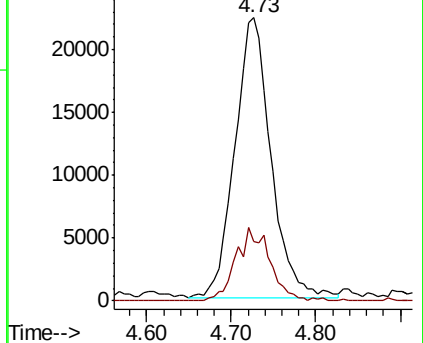
43 100

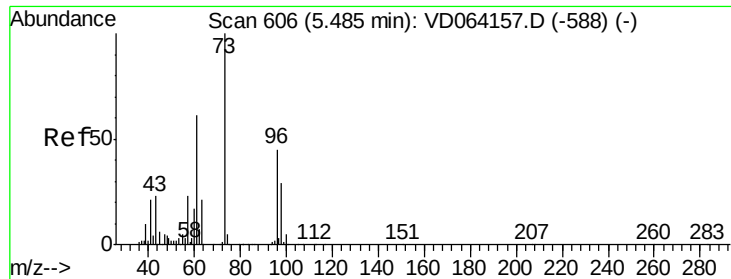
74 24.4 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



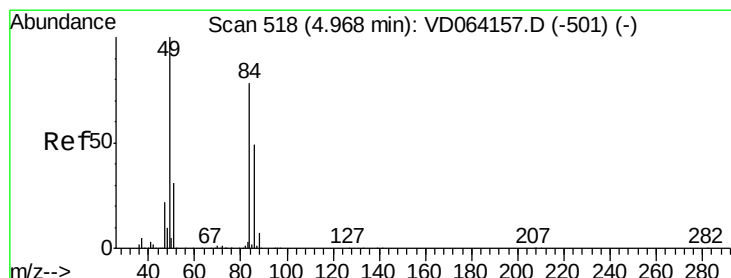
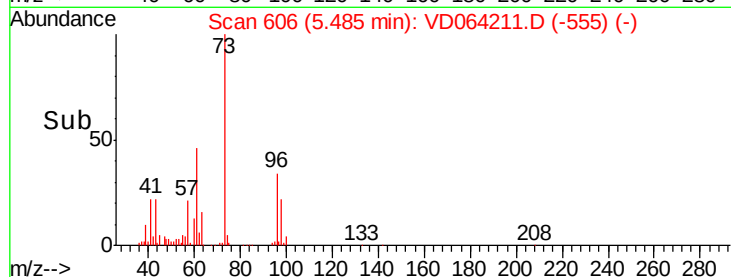
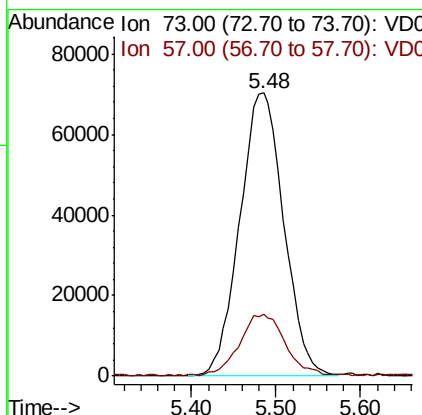
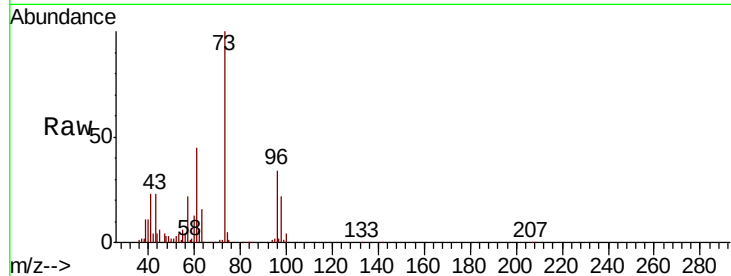


#19

Methyl tert-butyl Ether
 Concen: 20.132 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Instrument :
 MSVOA_D
 ClientSampleID :

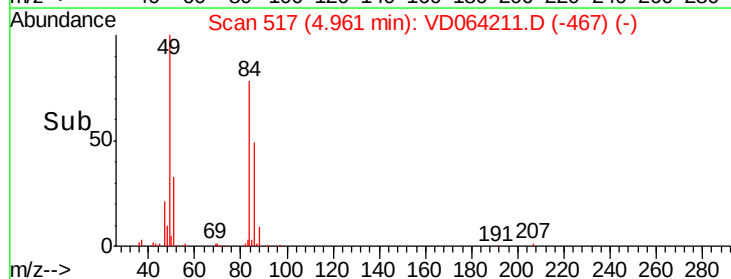
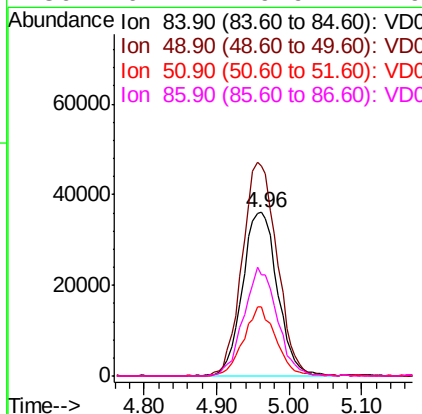
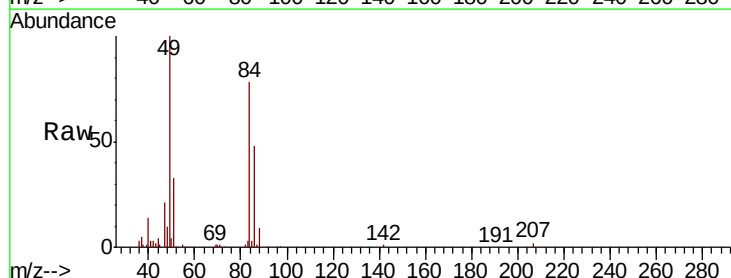
Tot Ion: 73 Resp: 254561
 Ion Ratio Lower Upper
 73 100
 57 21.0 18.4 27.6

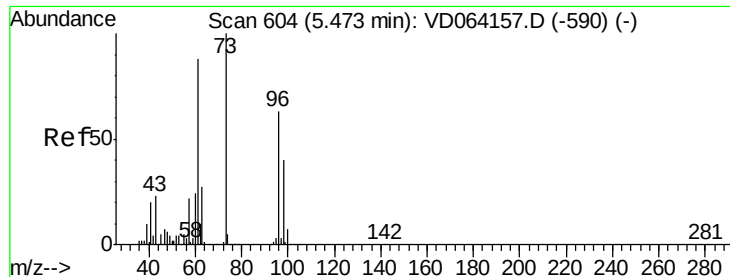


#20

Methylene Chloride
 Concen: 19.605 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Tgt Ion: 84 Resp: 121628
 Ion Ratio Lower Upper
 84 100
 49 128.8 102.1 153.1
 51 42.5 32.2 48.2
 86 62.2 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 19.820 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

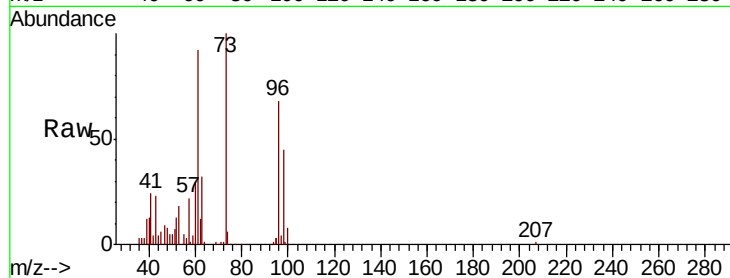
Tot Ion: 96 Resp: 118938

Ion Ratio Lower Upper

96 100

61 135.5 111.8 167.6

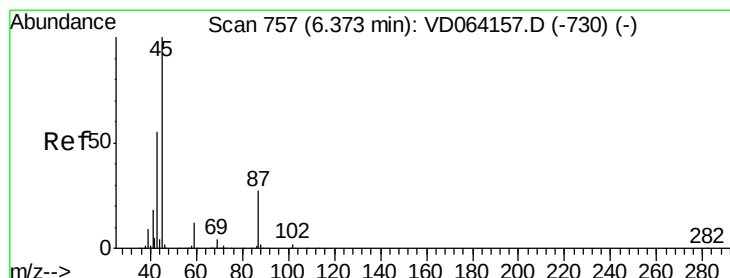
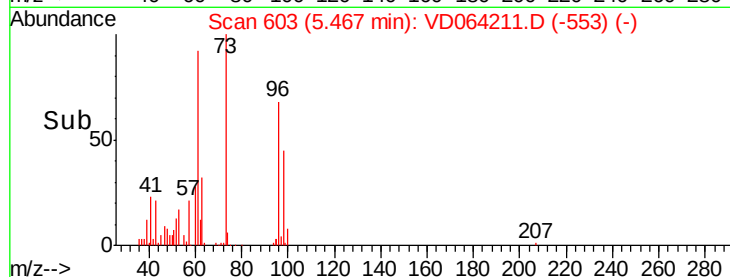
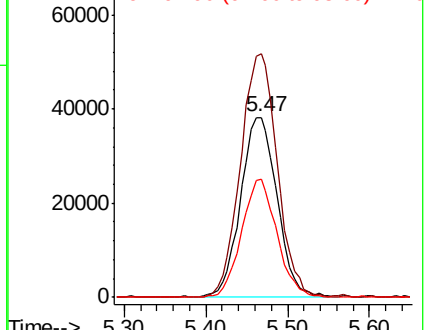
98 66.0 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 19.570 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Tgt Ion: 45 Resp: 340054

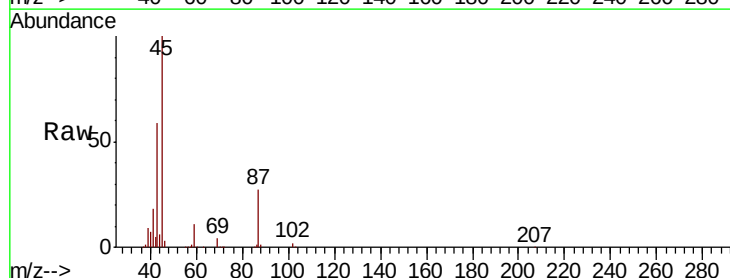
Ion Ratio Lower Upper

45 100

43 58.0 44.4 66.6

87 26.7 21.9 32.9

59 10.8 9.4 14.2

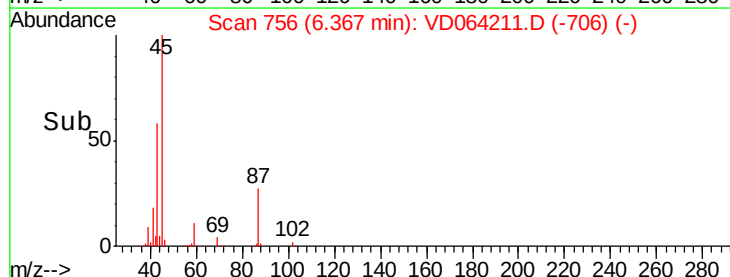
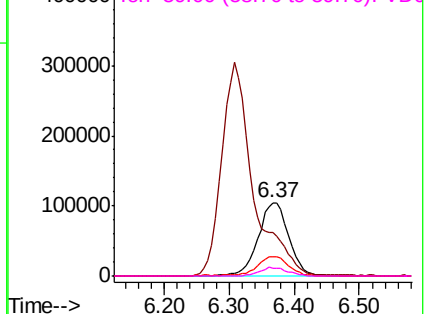


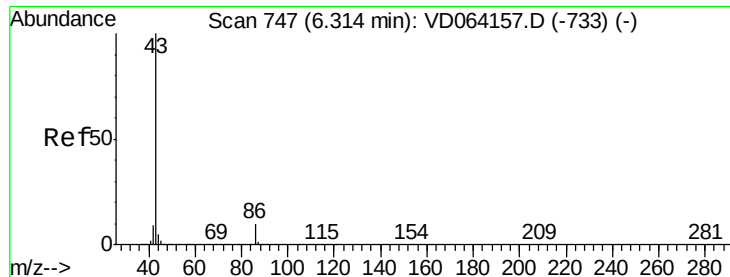
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 105.294 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

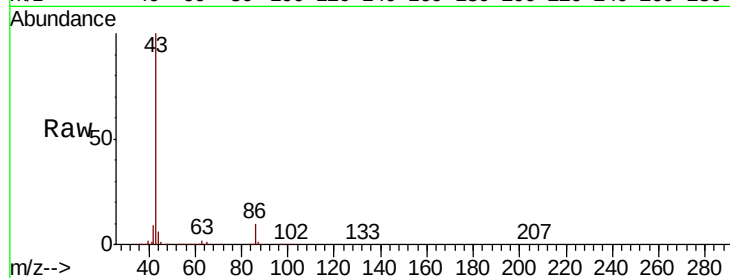
ClientSampleId :

Tot Ion: 43 Resp: 1019865

Ion Ratio Lower Upper

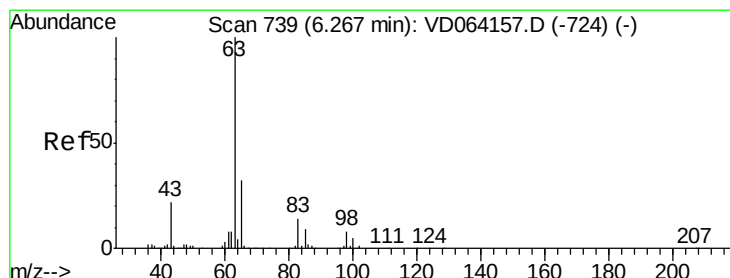
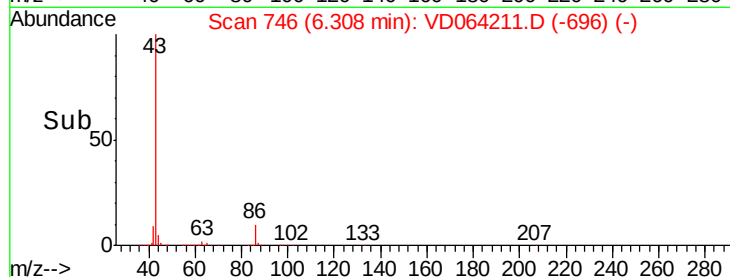
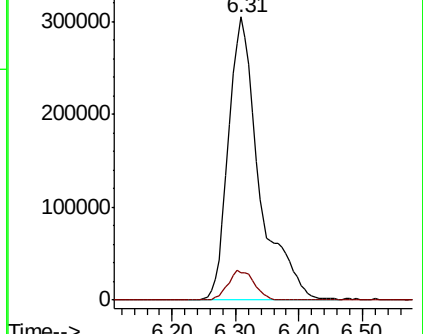
43 100

86 9.9 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: 20.123 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

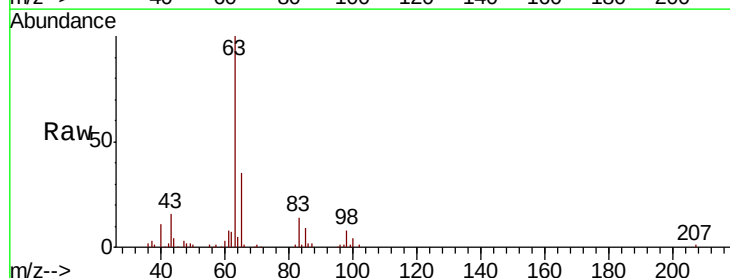
Tgt Ion: 63 Resp: 203026

Ion Ratio Lower Upper

63 100

98 8.2 3.8 11.4

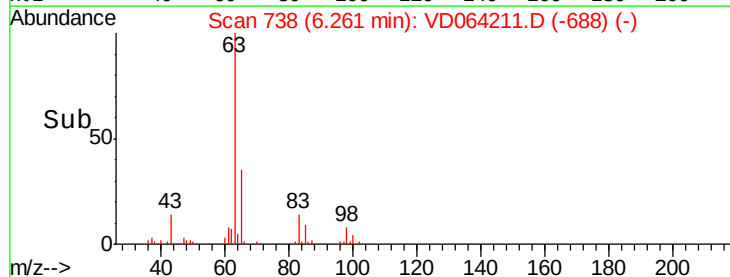
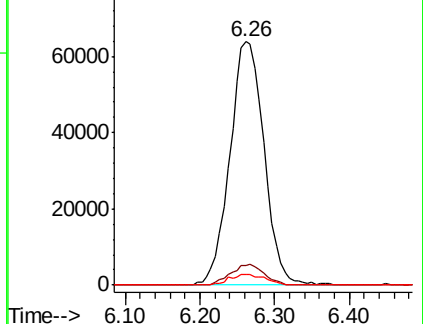
100 4.3 2.4 7.2

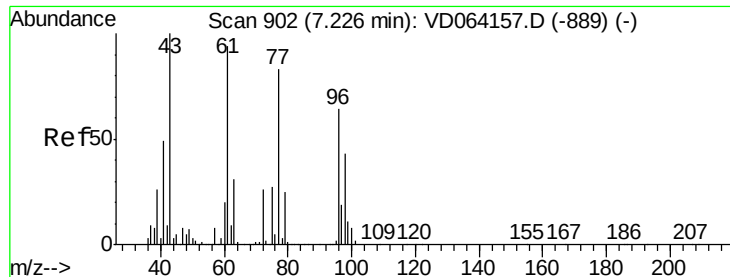


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 98.443 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

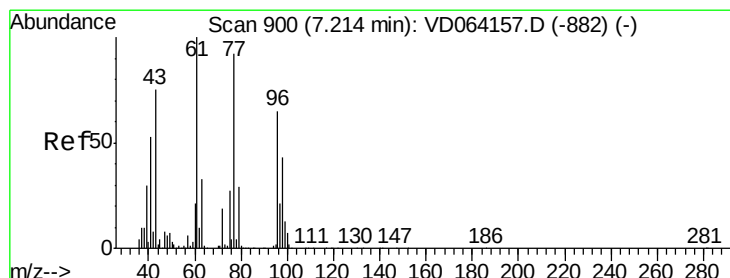
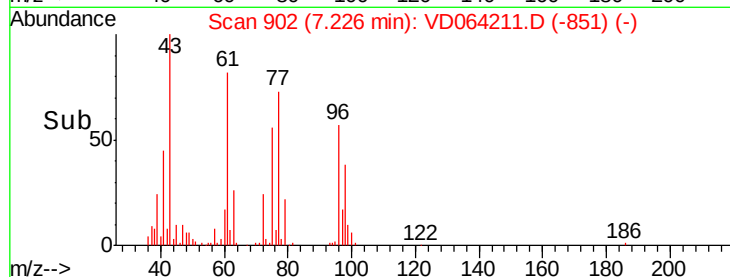
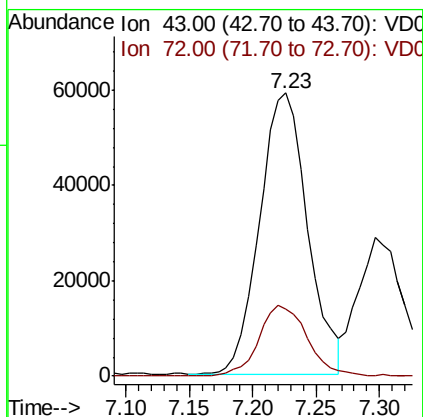
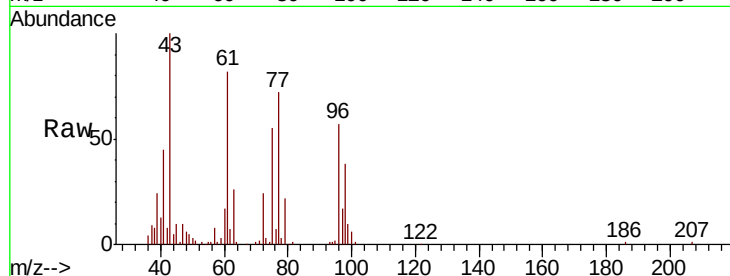
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 156201

Ion Ratio Lower Upper

43 100

72 24.0 20.6 30.8



#26

2,2-Dichloropropane

Concen: 19.642 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064211.D

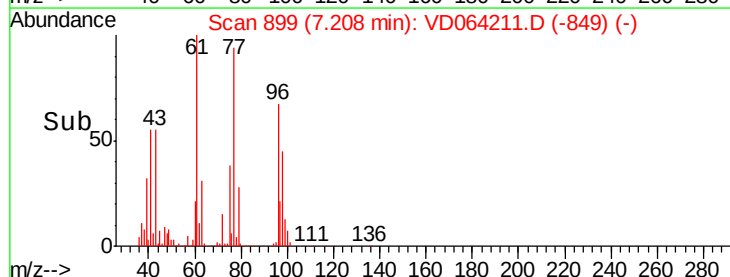
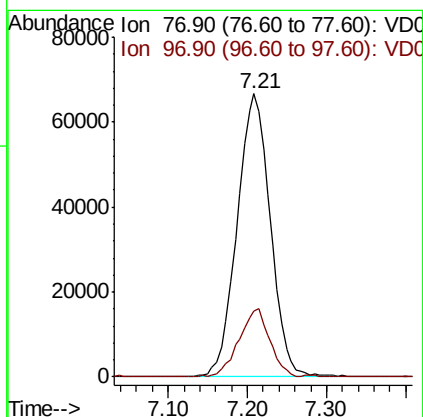
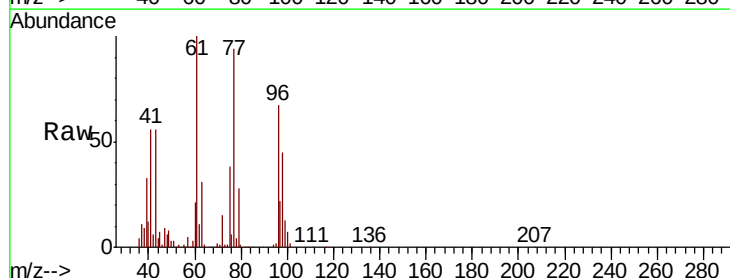
Acq: 14 Nov 2019 13:11

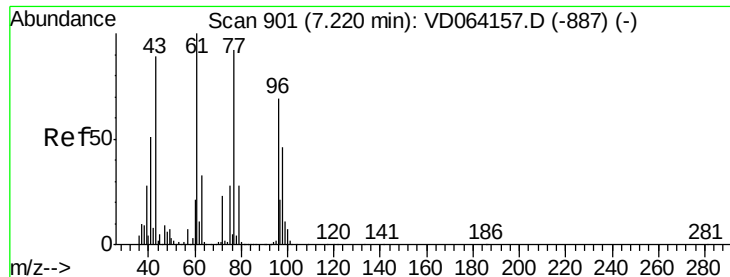
Tgt Ion: 77 Resp: 194338

Ion Ratio Lower Upper

77 100

97 22.4 11.1 33.3



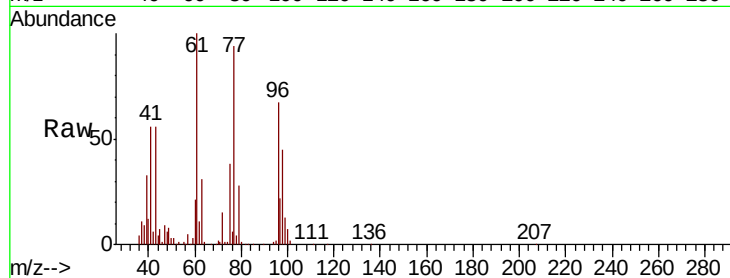


#27

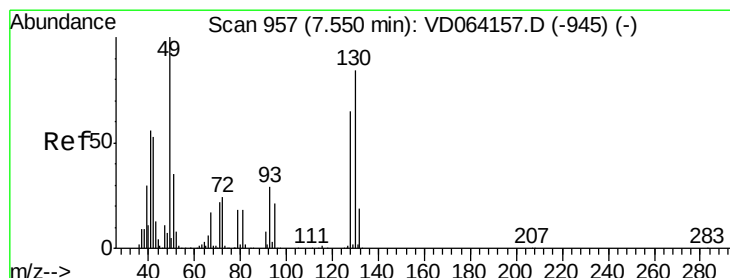
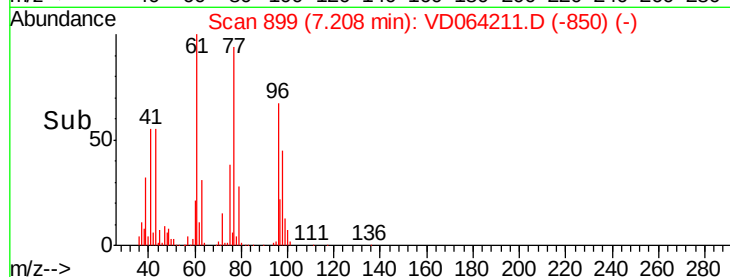
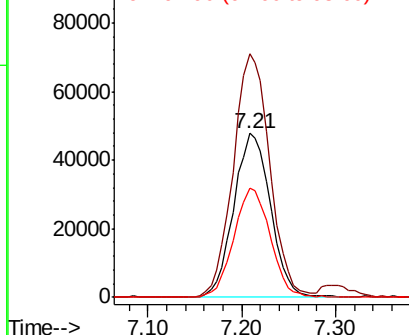
cis-1,2-Dichloroethene
 Concen: 20.187 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	301.4
98	65.9	0.0	133.2



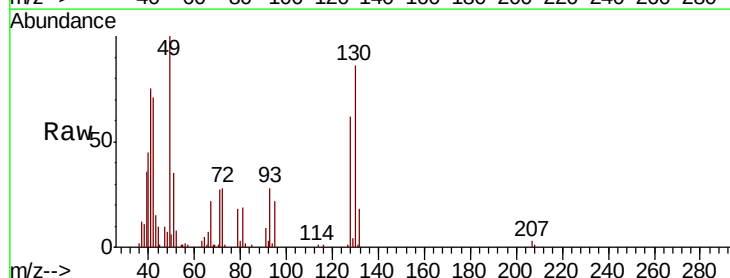
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



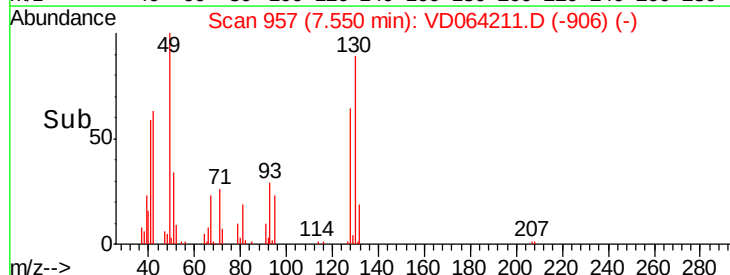
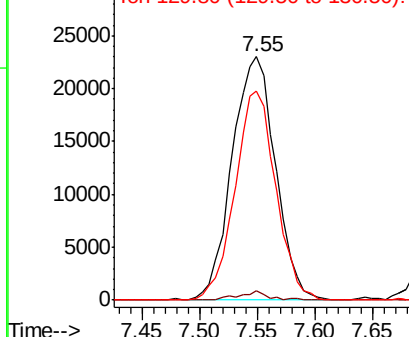
#28

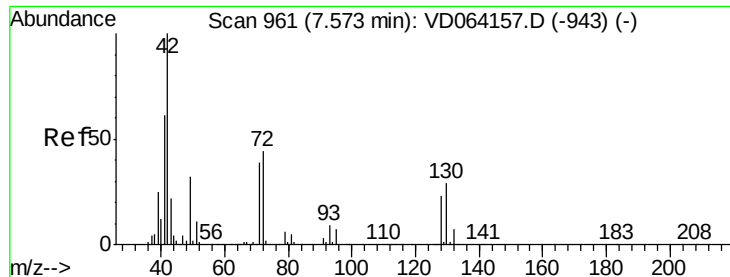
Bromochloromethane
 Concen: 17.104 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	80.9	66.8	100.2



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

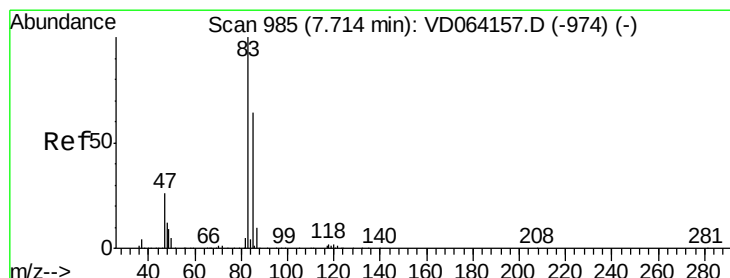
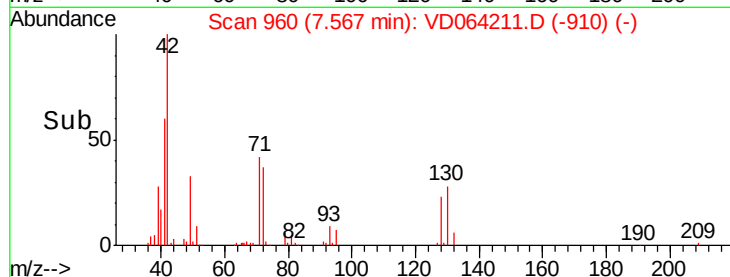
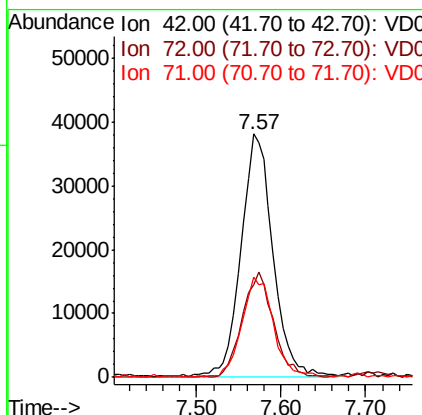
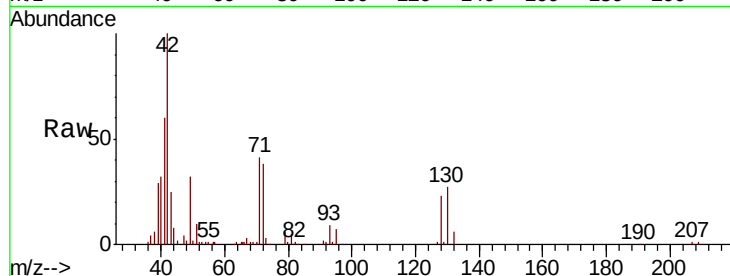




#29
Tetrahydrofuran
Concen: 105.612 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

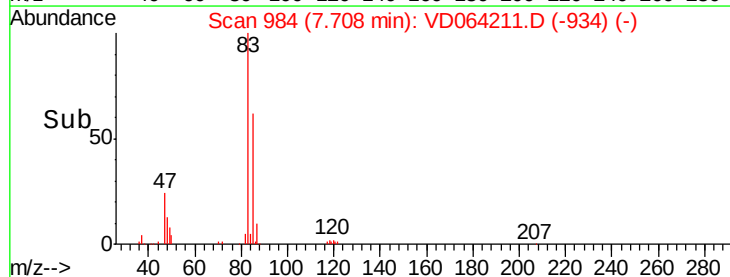
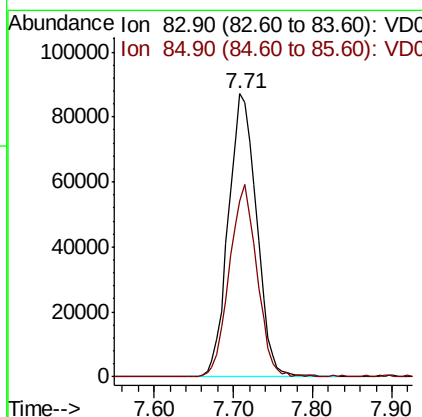
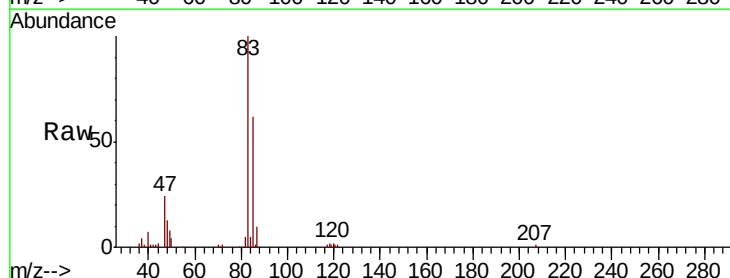
Instrument :
MSVOA_D
ClientSampleId :

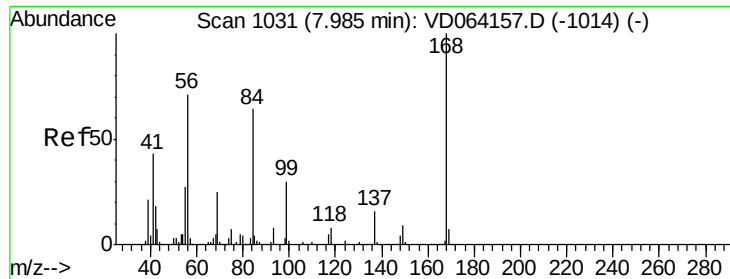
Tot Ion: 42 Resp: 100683
Ion Ratio Lower Upper
42 100
72 41.8 33.4 50.2
71 40.8 31.0 46.4



#30
Chloroform
Concen: 20.824 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion: 83 Resp: 214904
Ion Ratio Lower Upper
83 100
85 62.2 51.4 77.0

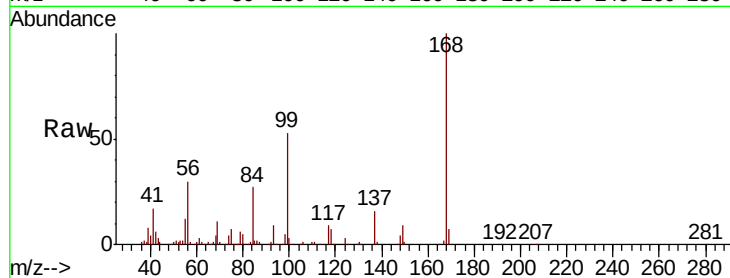




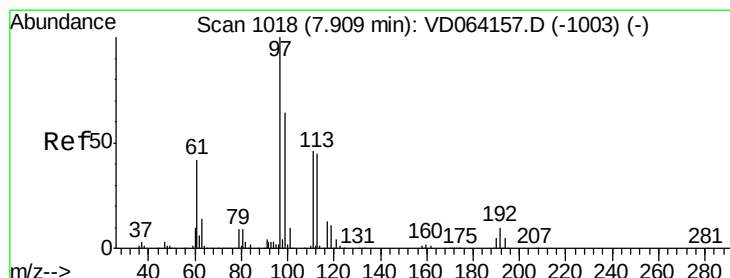
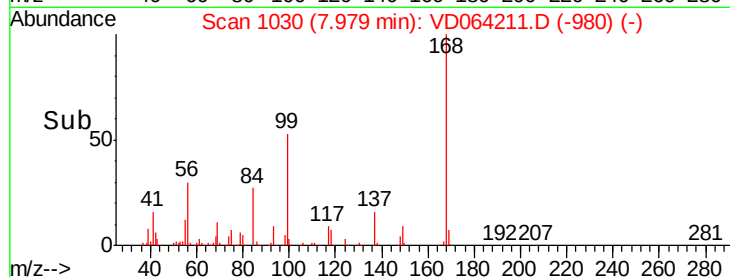
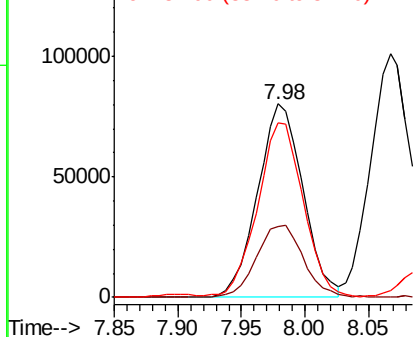
#31
Cyclohexane
Concen: 19.692 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 56 Resp: 200365
Ion Ratio Lower Upper
56 100
69 36.7 28.2 42.4
84 88.4 71.8 107.6

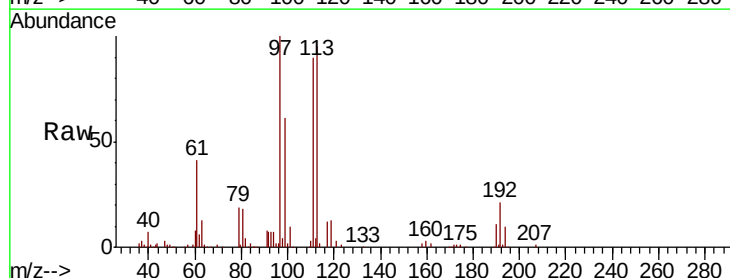


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

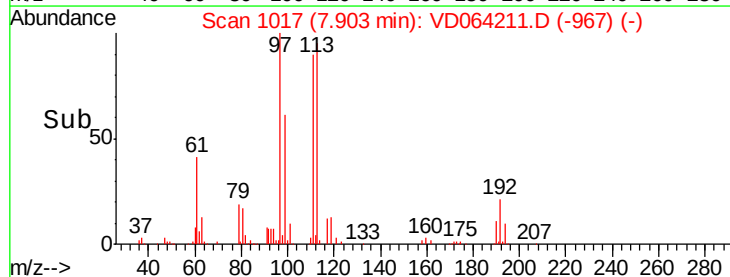
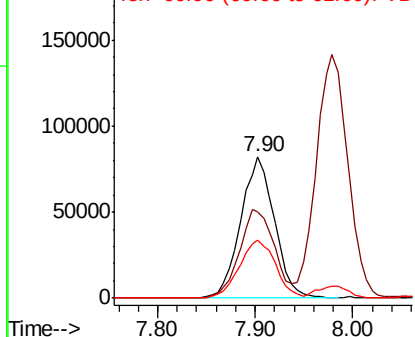


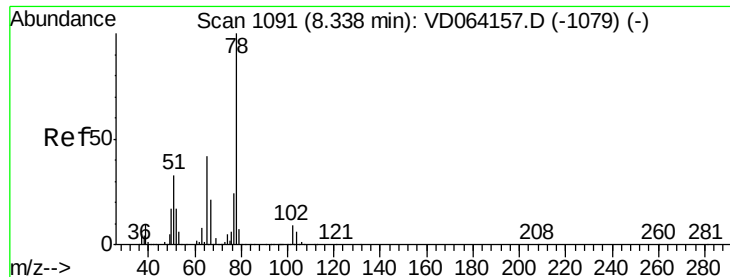
#32
1,1,1-Trichloroethane
Concen: 20.101 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion: 97 Resp: 198634
Ion Ratio Lower Upper
97 100
99 64.4 51.6 77.4
61 43.3 34.2 51.2



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

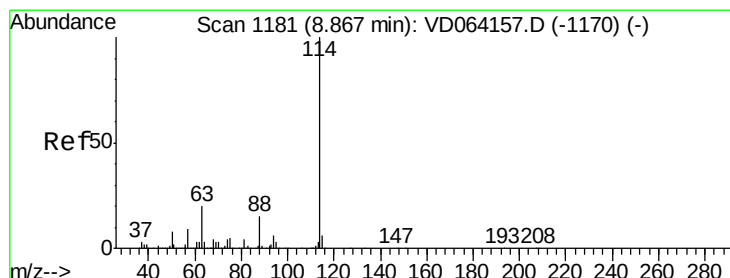
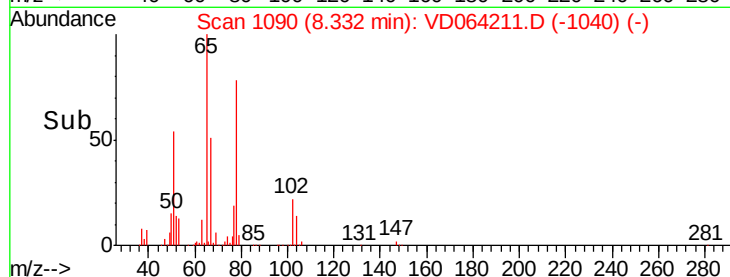
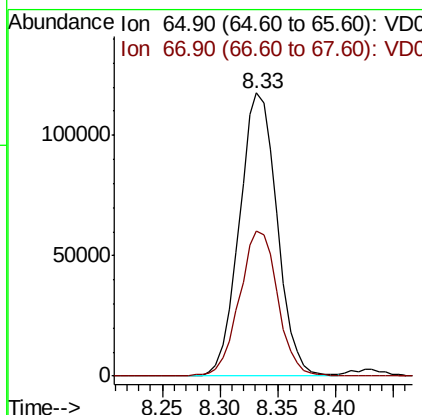
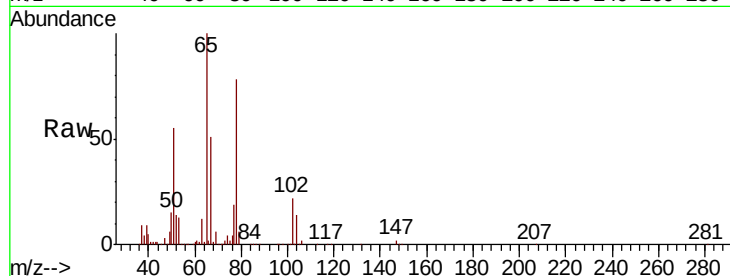




#33
 1,2-Dichloroethane-d4
 Concen: 51.611 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

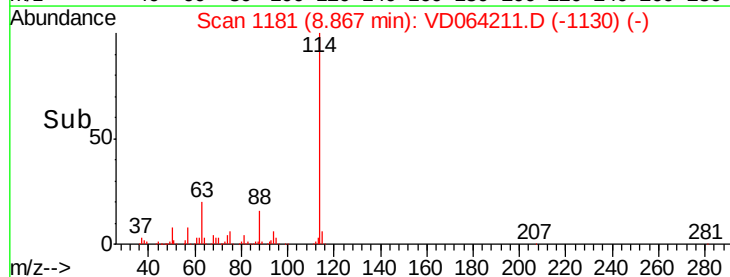
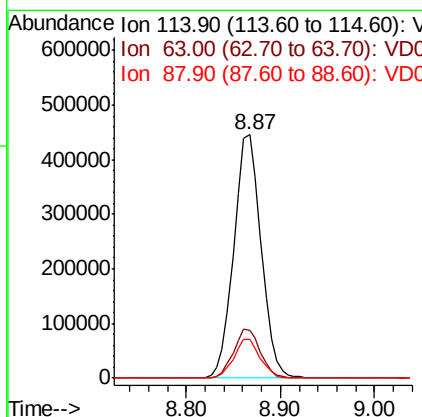
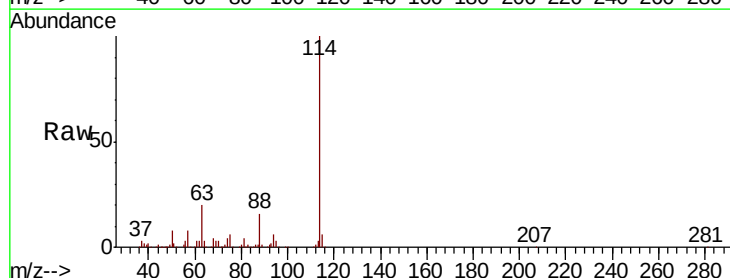
Instrument :
 MSVOA_D
 ClientSampled :

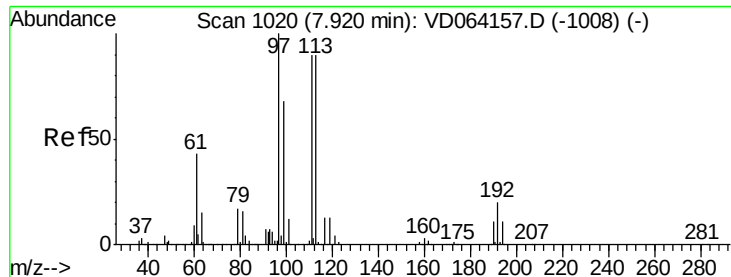
Tot Ion: 65 Resp: 267565
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Tgt Ion: 114 Resp: 900281
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 15.8 0.0 30.2

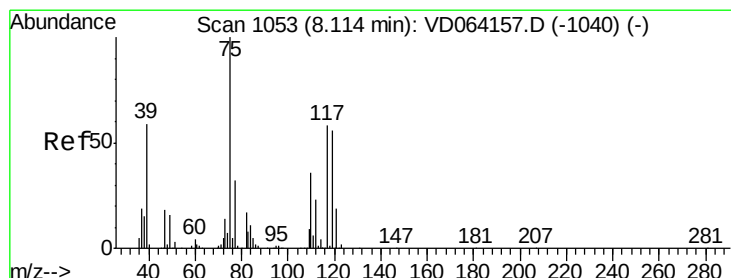
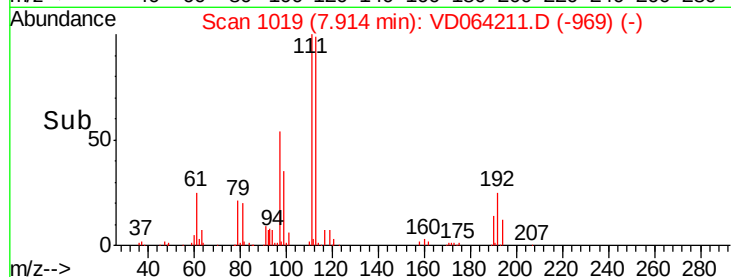
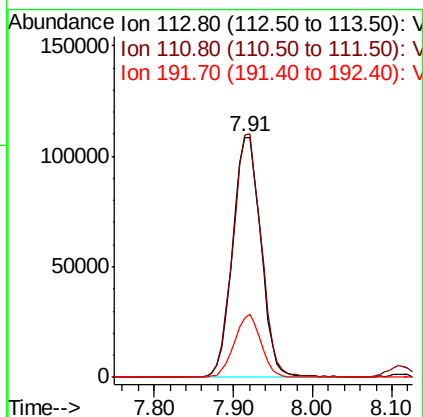
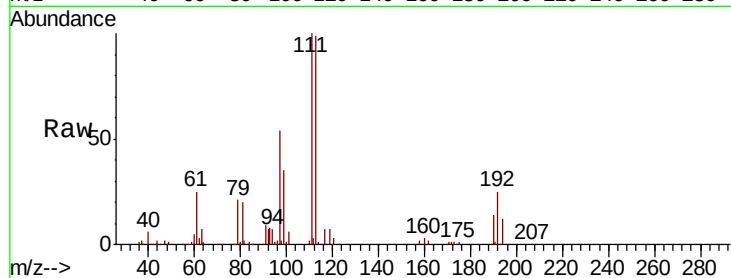




#35
 Dibromofluoromethane
 Concen: 51.921 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

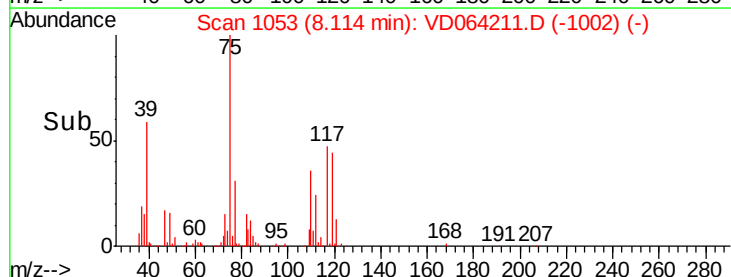
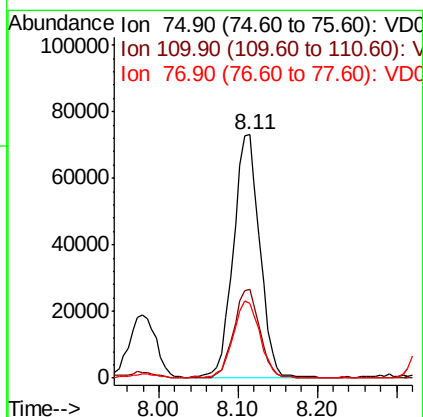
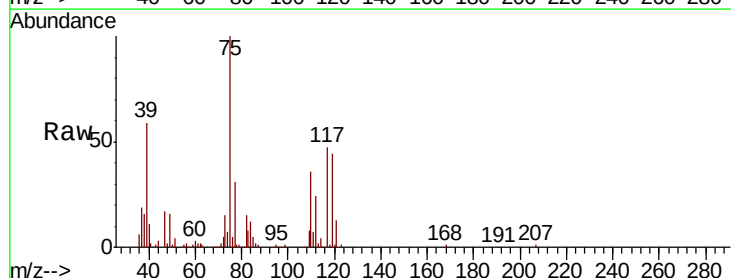
Instrument :
 MSVOA_D
 ClientSampleId :

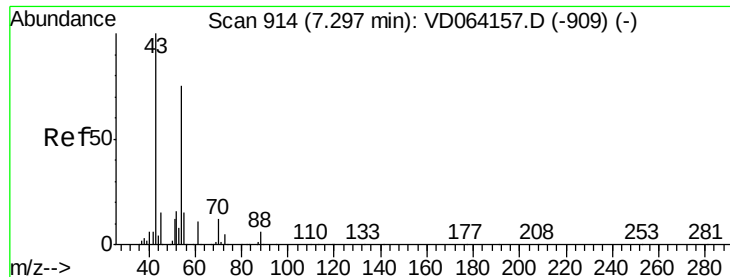
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.5	122.3
192	24.6	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 20.415 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	18.3	54.9
77	32.0	25.0	37.6

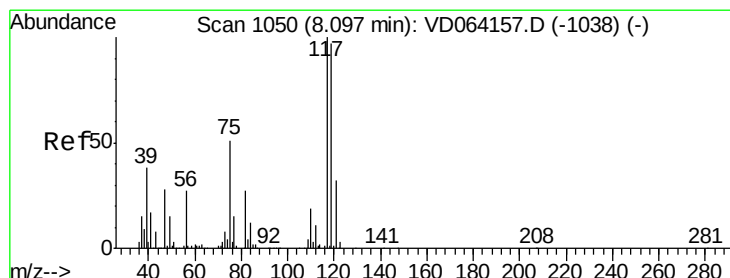
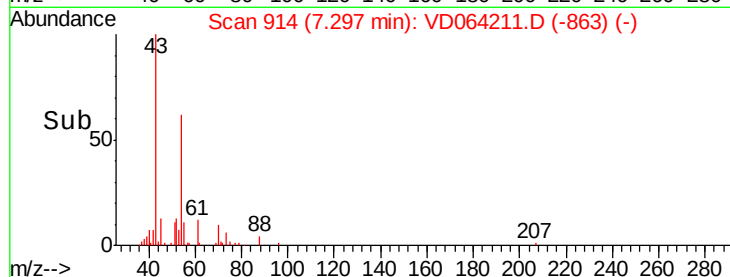
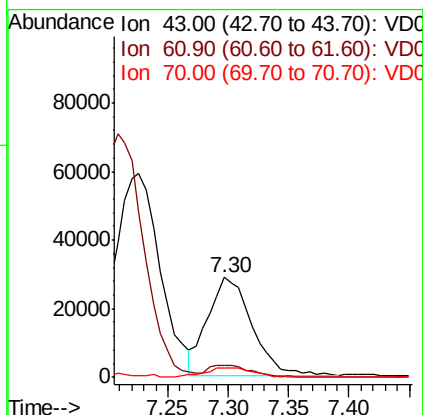
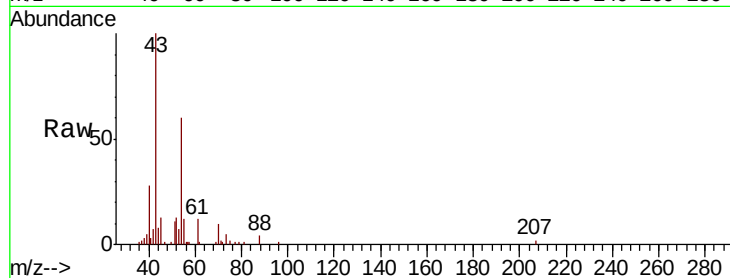




#37
Ethyl Acetate
Concen: 20.747 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

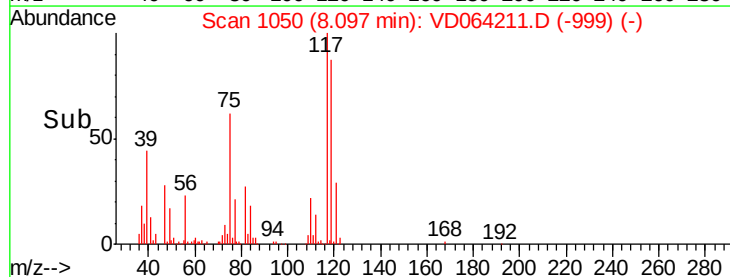
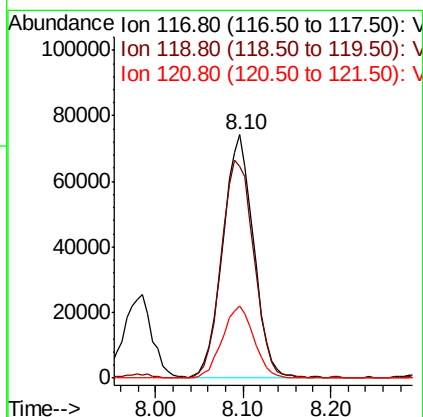
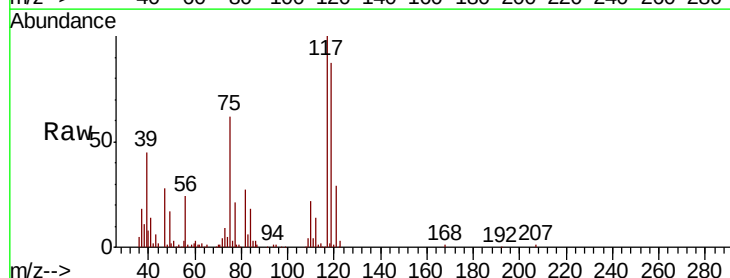
Instrument :
MSVOA_D
ClientSampled :

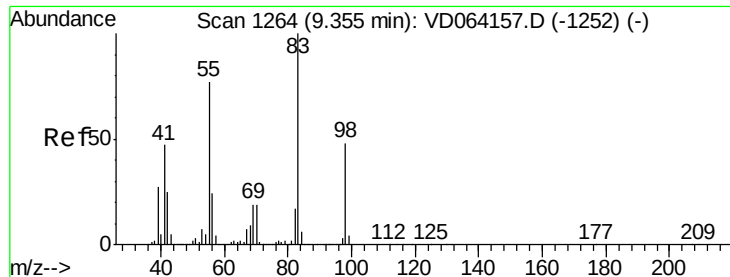
Tot Ion: 43 Resp: 72672
Ion Ratio Lower Upper
43 100
61 12.7 10.2 15.2
70 11.1 8.5 12.7



#38
Carbon Tetrachloride
Concen: 20.135 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion: 117 Resp: 179012
Ion Ratio Lower Upper
117 100
119 86.7 77.2 115.8
121 29.4 25.5 38.3

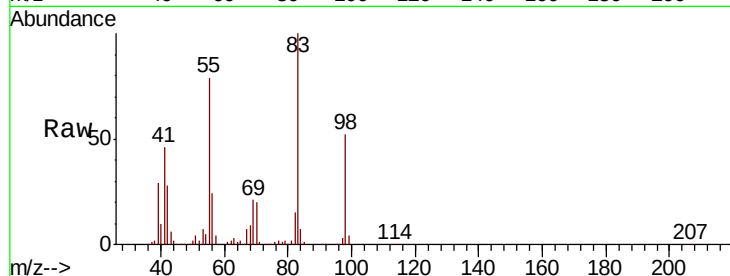




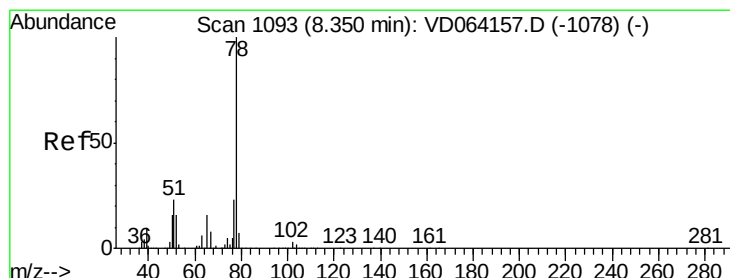
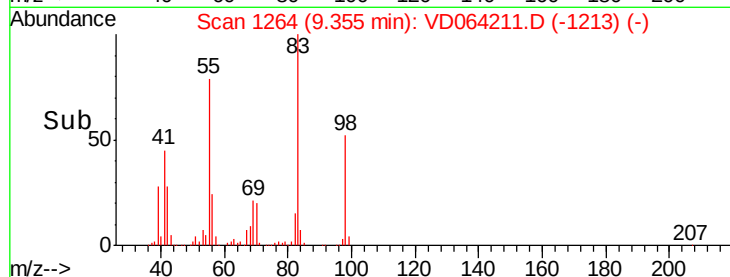
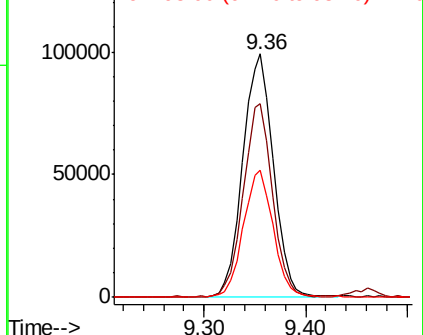
#39
Methylvlcyclohexane
Concen: 19.759 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 207738
Ion Ratio Lower Upper
83 100
55 79.3 61.7 92.5
98 52.3 38.6 58.0

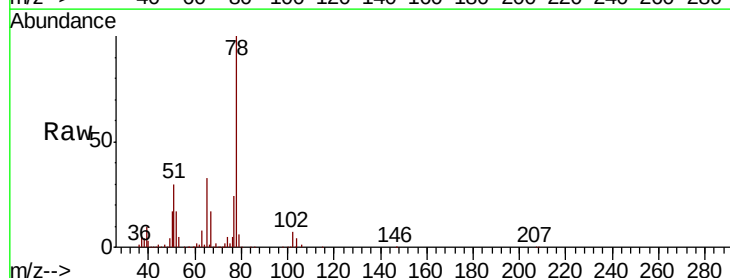


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

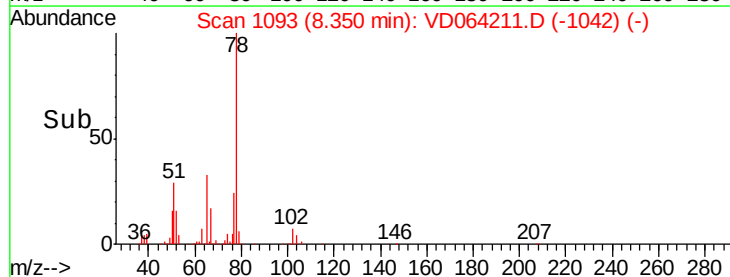
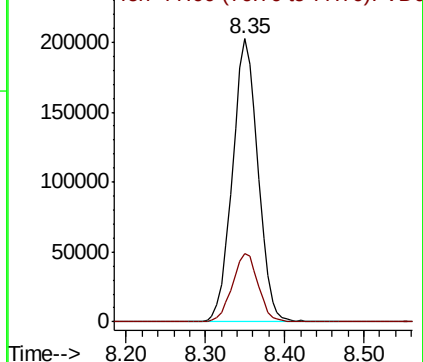


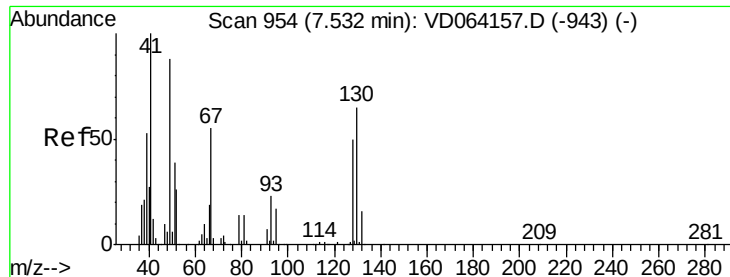
#40
Benzene
Concen: 19.844 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion: 78 Resp: 450619
Ion Ratio Lower Upper
78 100
77 24.2 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 17.019 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 37469

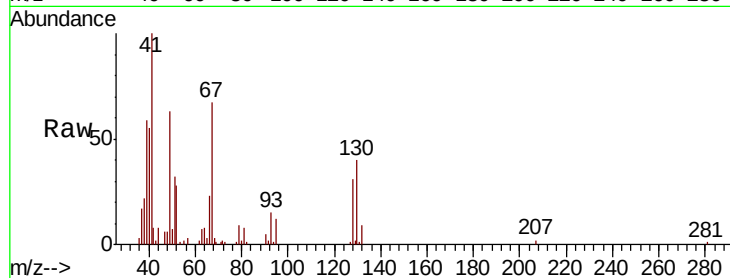
Ion Ratio Lower Upper

41 100

39 73.0 49.4 74.2

67 79.9 49.6 74.4#

52 35.4 21.4 32.0#

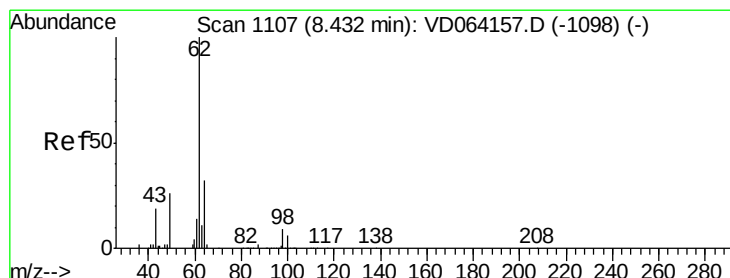
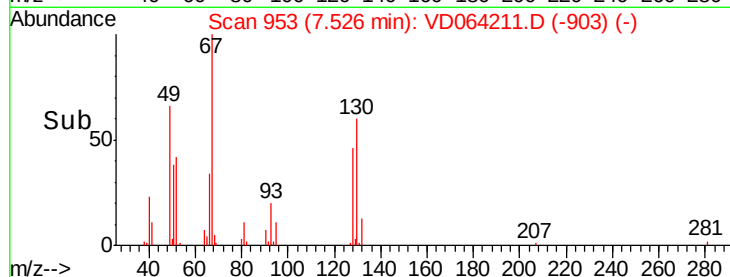
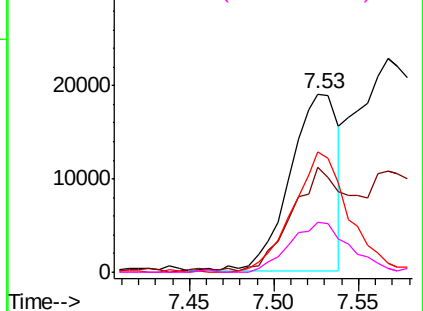


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 19.984 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD064211.D

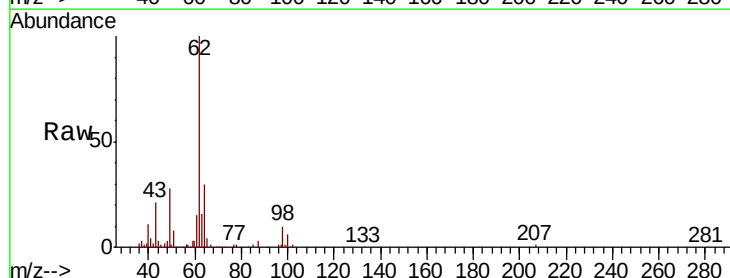
Acq: 14 Nov 2019 13:11

Tgt Ion: 62 Resp: 136296

Ion Ratio Lower Upper

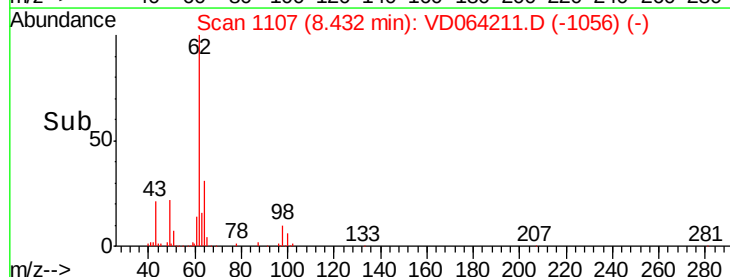
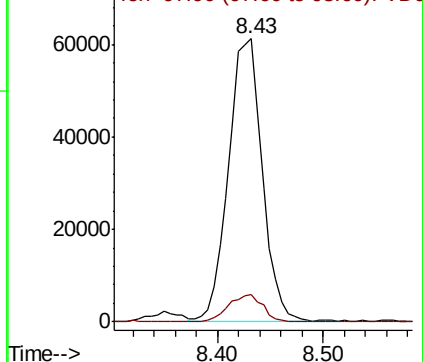
62 100

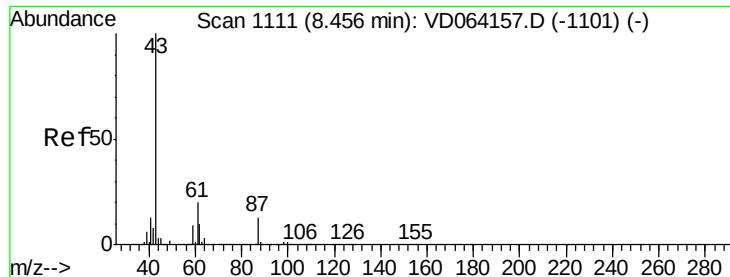
98 9.7 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 20.212 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

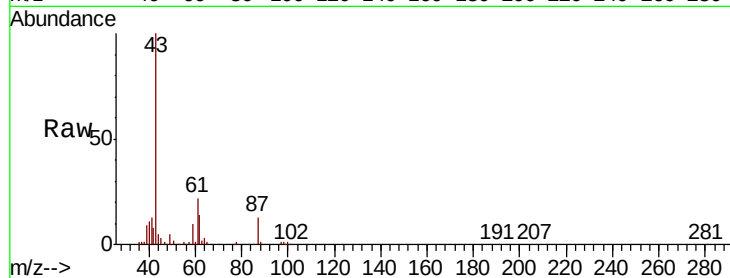
Tot Ion: 43 Resp: 145872

Ion Ratio Lower Upper

43 100

61 29.7 22.9 34.3

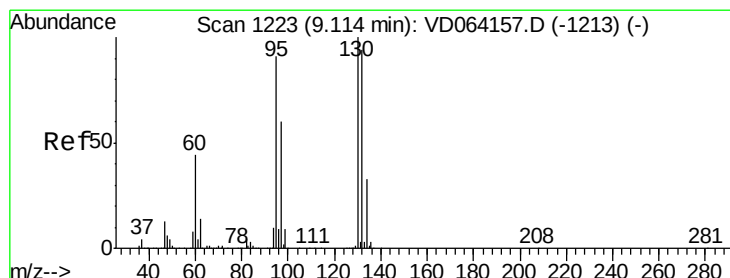
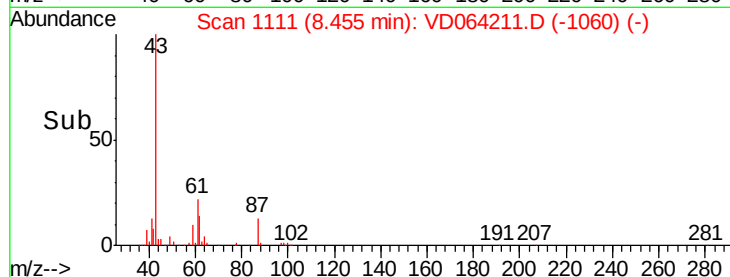
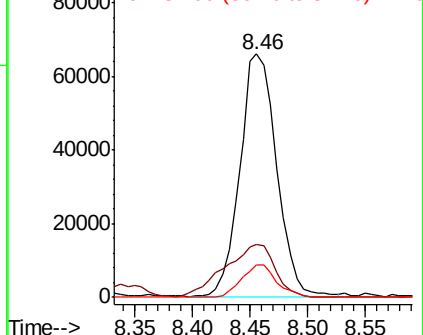
87 12.8 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.007 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD064211.D

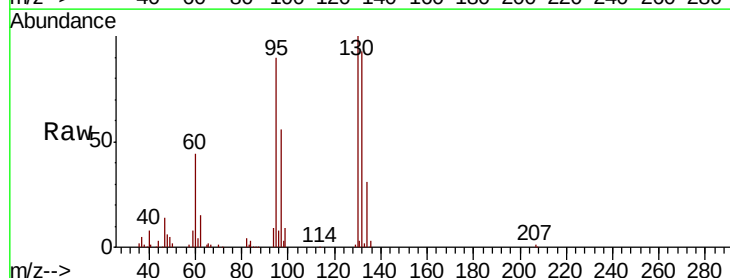
Acq: 14 Nov 2019 13:11

Tgt Ion:130 Resp: 136356

Ion Ratio Lower Upper

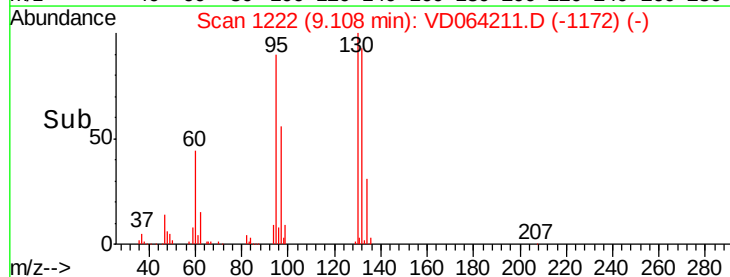
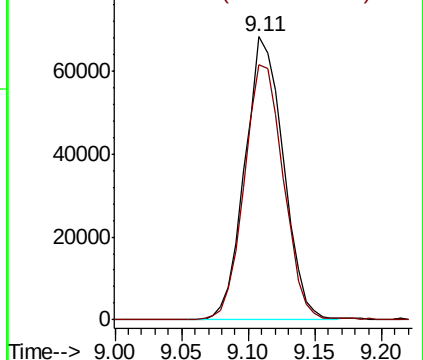
130 100

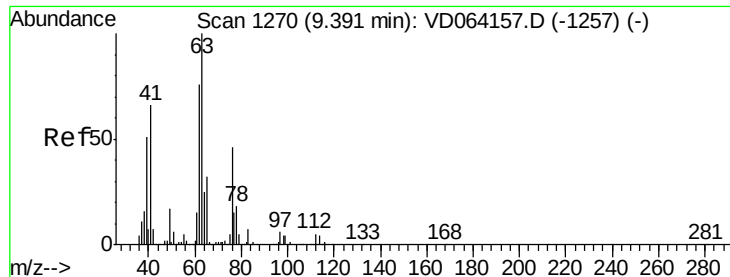
95 90.0 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

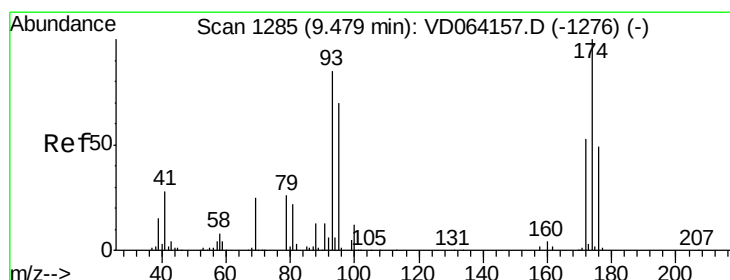
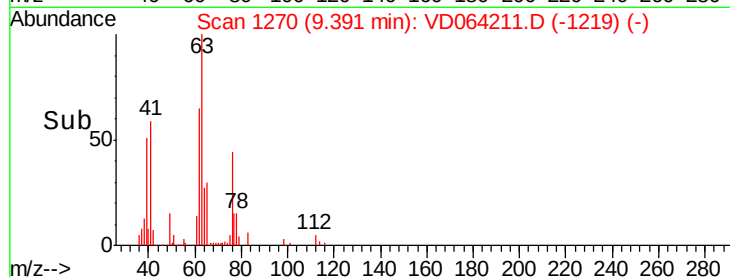
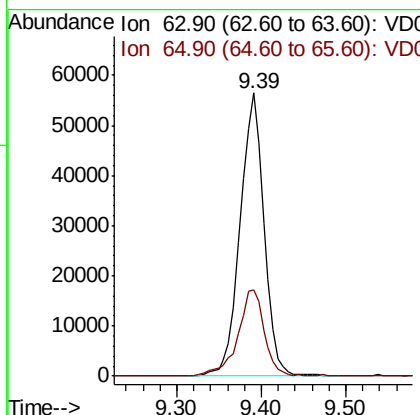
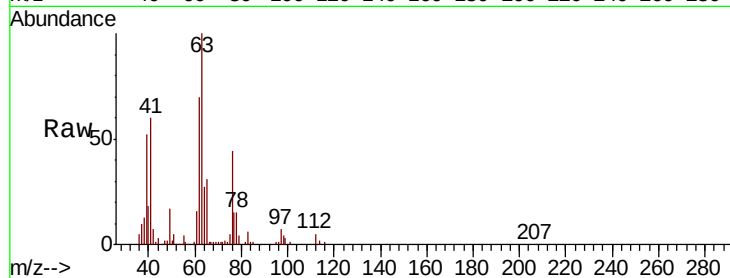




#45
 1,2-Dichloropropane
 Concen: 19.982 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

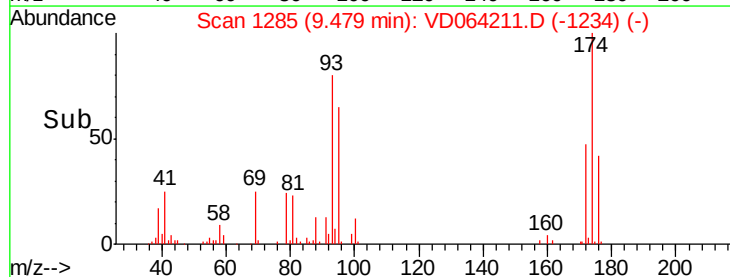
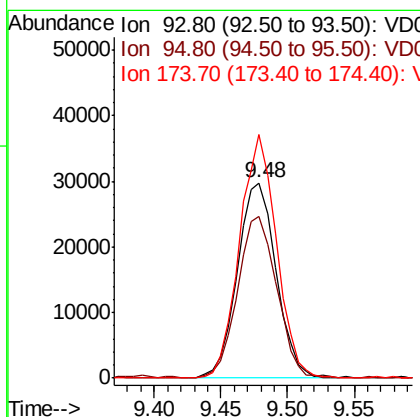
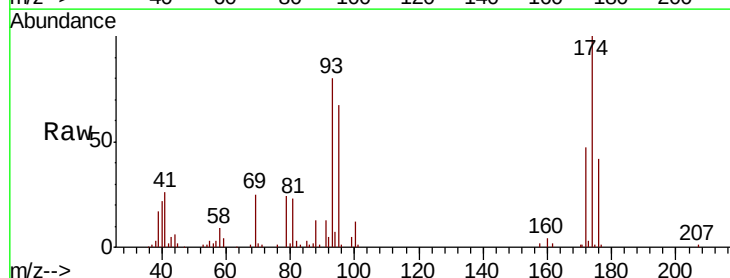
Instrument :
 MSVOA_D
 ClientSampleId :

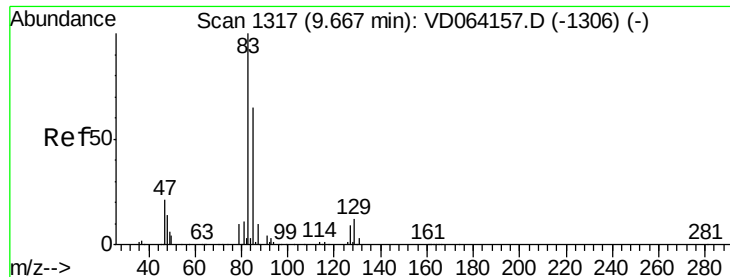
Tot Ion: 63 Resp: 110441
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.7 38.5



#46
 Dibromomethane
 Concen: 20.262 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Tgt Ion: 93 Resp: 59956
 Ion Ratio Lower Upper
 93 100
 95 83.1 65.5 98.3
 174 118.3 93.9 140.9





#47

Bromodichloromethane

Concen: 20.203 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

ClientSampled :

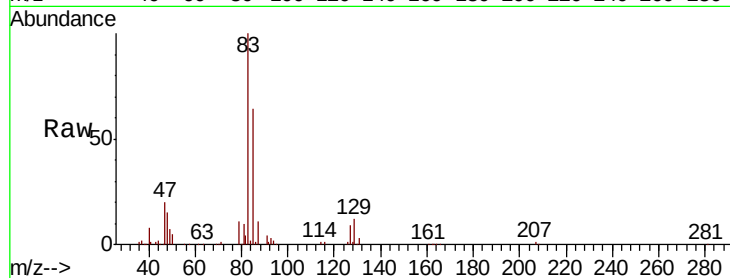
Tot Ion: 83 Resp: 161026

Ion Ratio Lower Upper

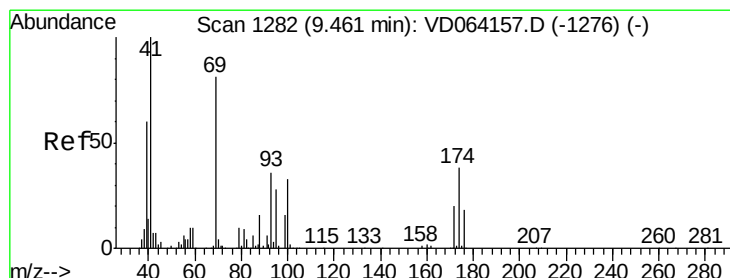
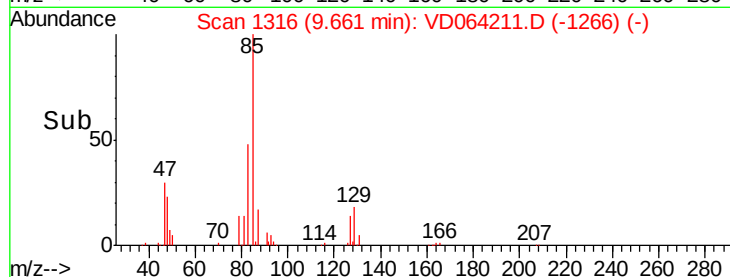
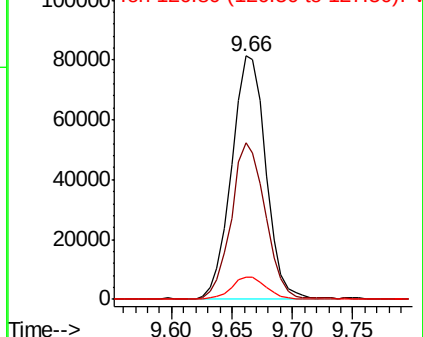
83 100

85 64.0 52.2 78.4

127 9.2 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: 18.431 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

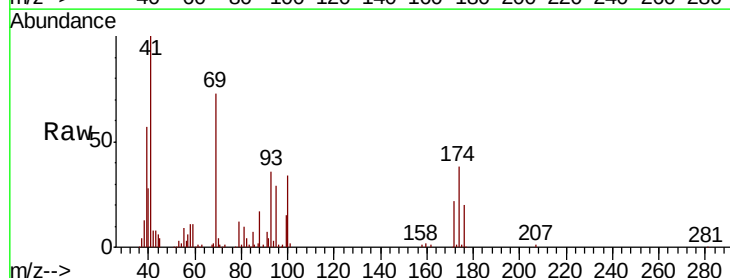
Tgt Ion: 41 Resp: 65045

Ion Ratio Lower Upper

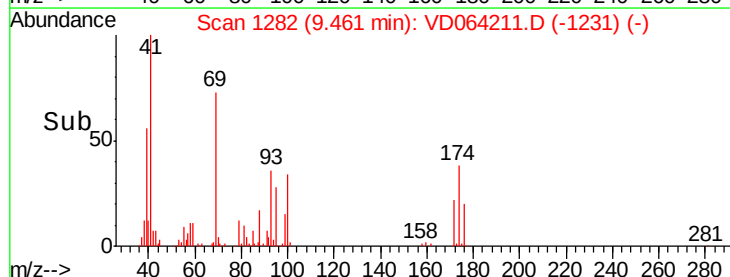
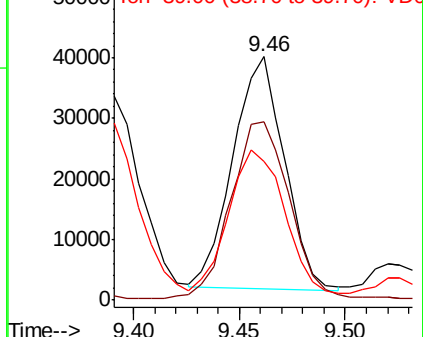
41 100

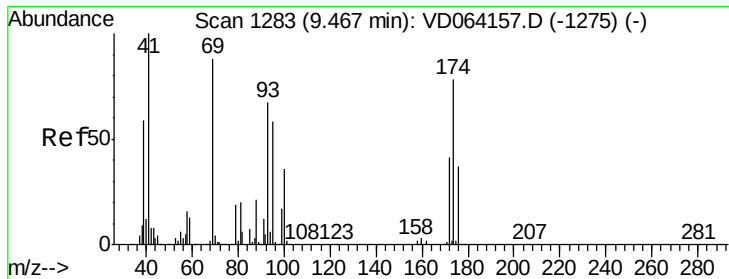
69 86.3 64.6 97.0

39 73.2 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

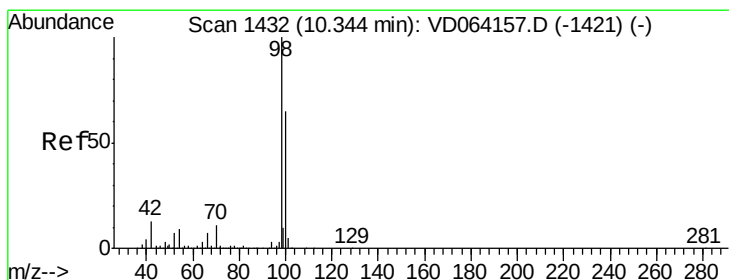
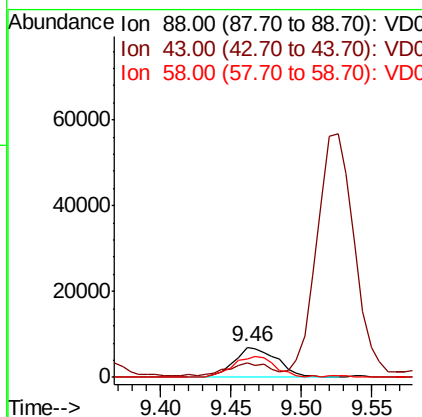
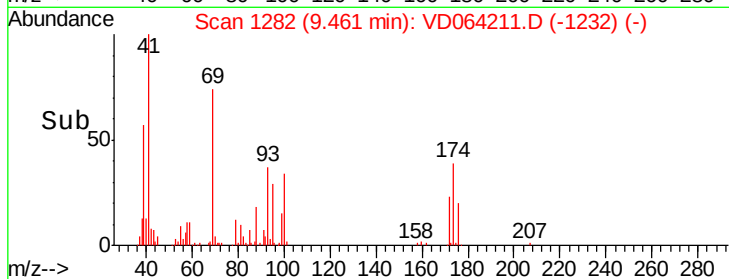
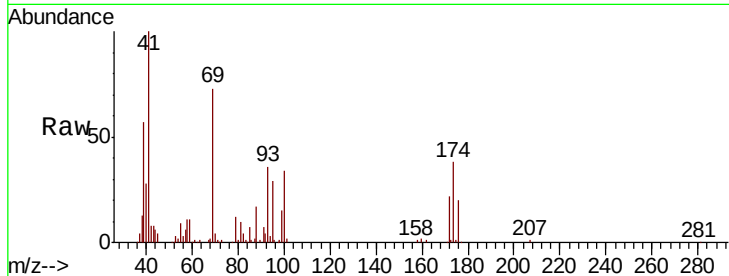




#49
1,4-Dioxane
Concen: 419.955 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

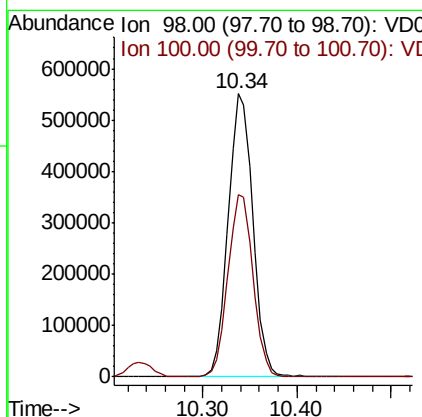
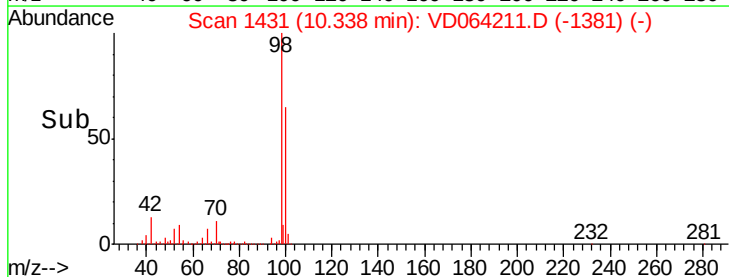
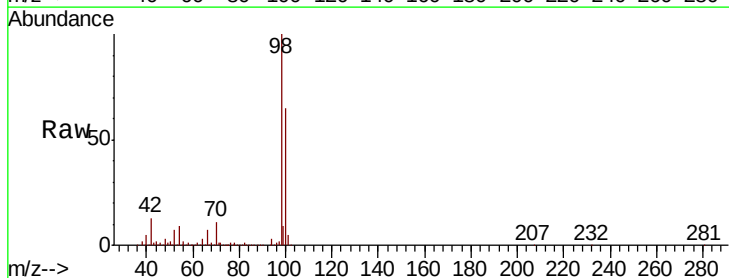
Instrument :
MSVOA_D
ClientSampleId :

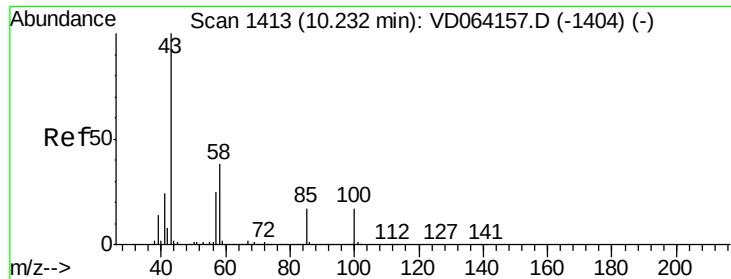
Tot Ion: 88 Resp: 14924
Ion Ratio Lower Upper
88 100
43 38.4 29.8 44.8
58 68.2 58.1 87.1



#50
Toluene-d8
Concen: 51.668 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion: 98 Resp: 1007266
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 101.748 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

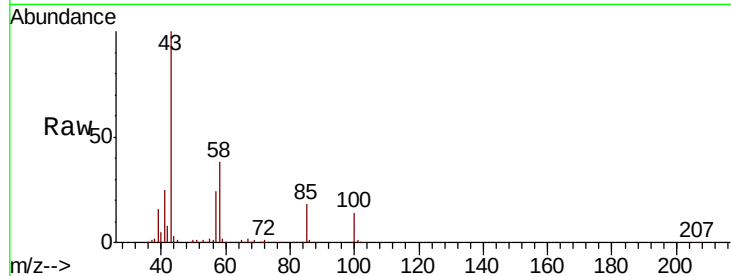
ClientSampleId :

Tot Ion: 43 Resp: 352145

Ion Ratio Lower Upper

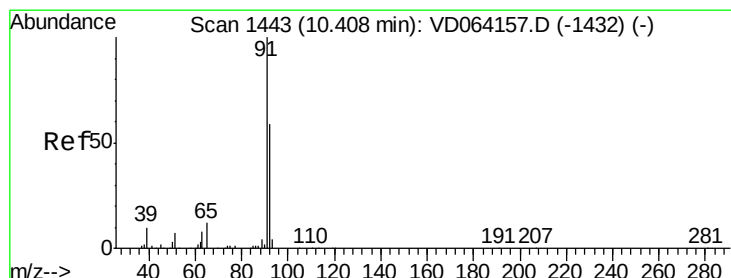
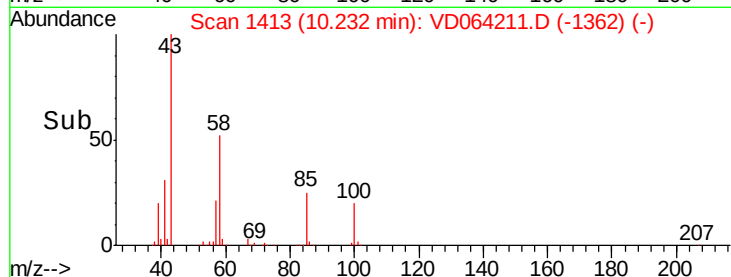
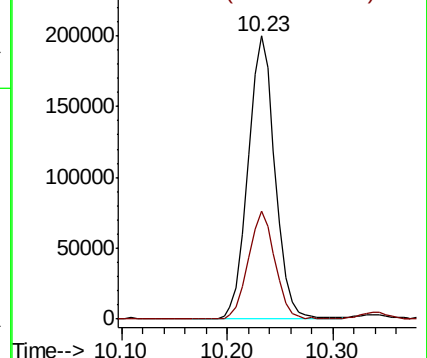
43 100

58 37.8 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: 19.853 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064211.D

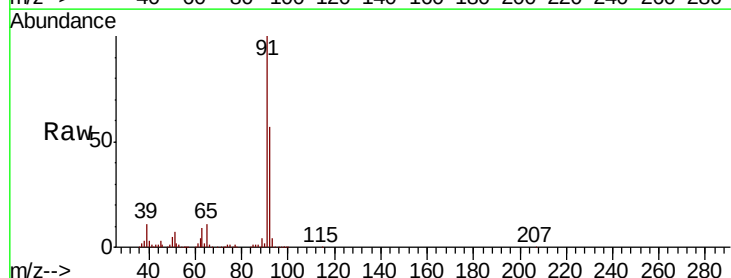
Acq: 14 Nov 2019 13:11

Tgt Ion: 92 Resp: 296440

Ion Ratio Lower Upper

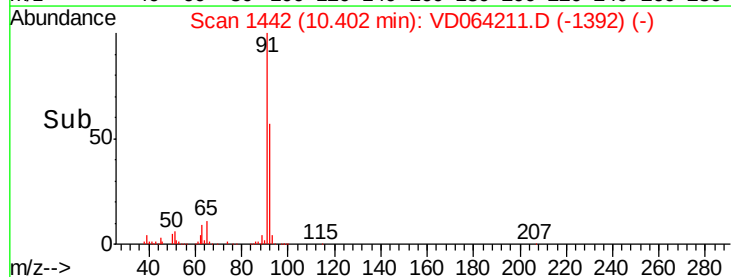
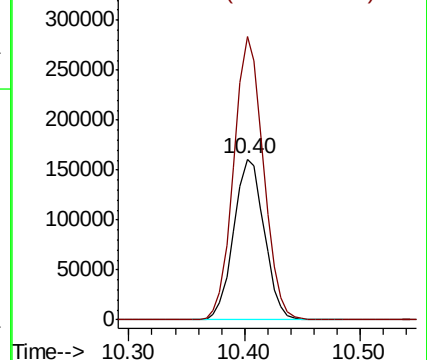
92 100

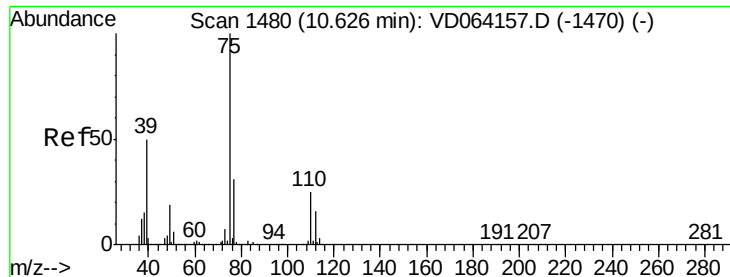
91 171.1 136.4 204.6



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: 19.303 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

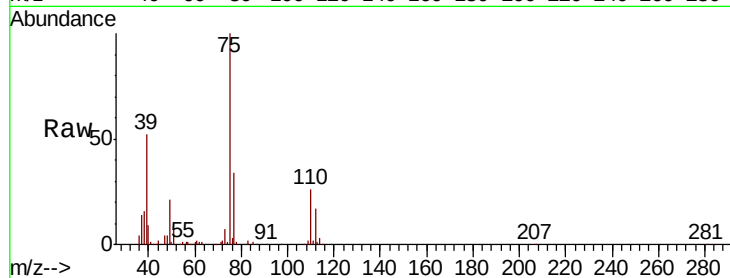
ClientSampleId :

Tot Ion: 75 Resp: 154131

Ion Ratio Lower Upper

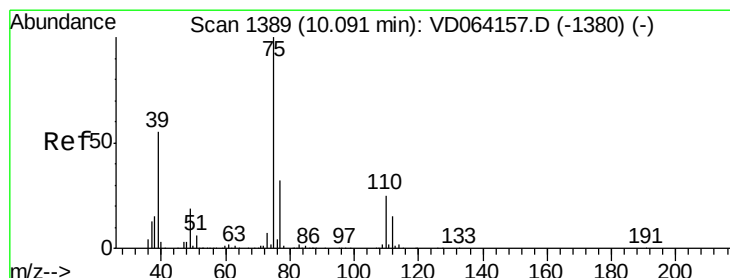
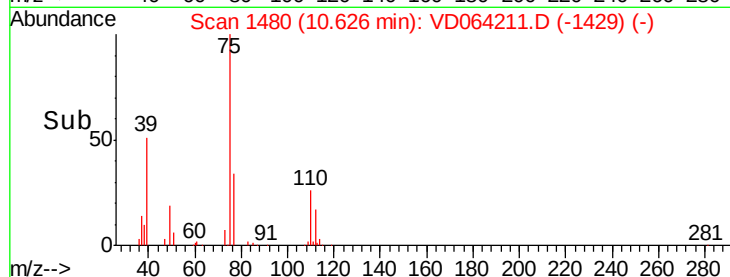
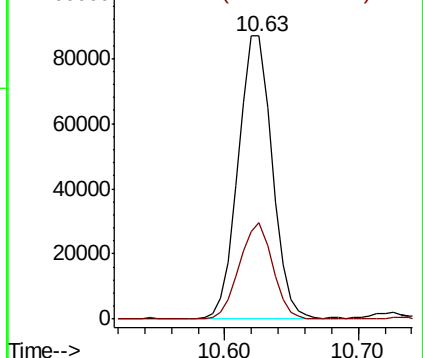
75 100

77 34.0 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.635 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

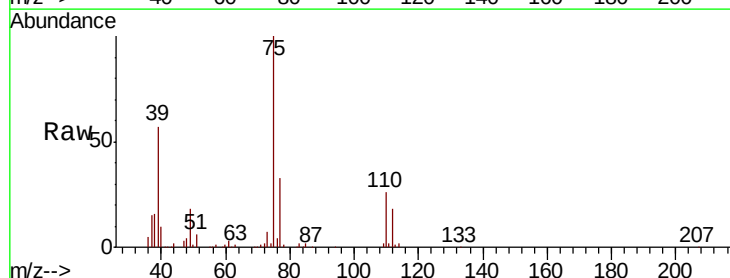
Tgt Ion: 75 Resp: 182957

Ion Ratio Lower Upper

75 100

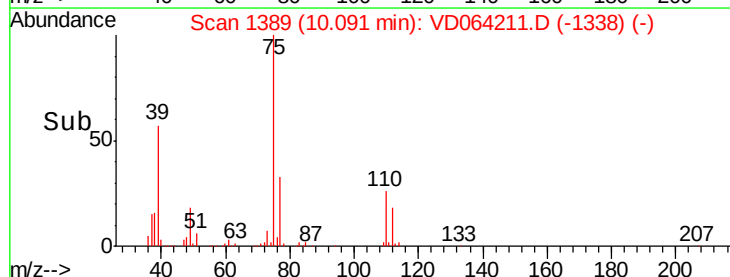
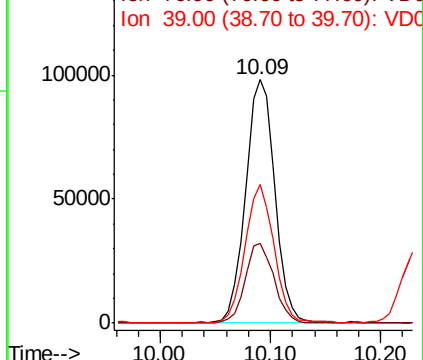
77 32.8 25.2 37.8

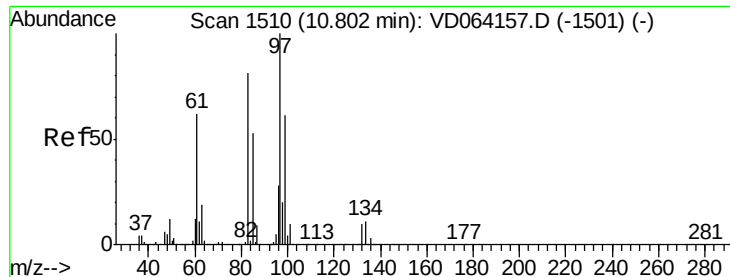
39 56.9 44.2 66.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

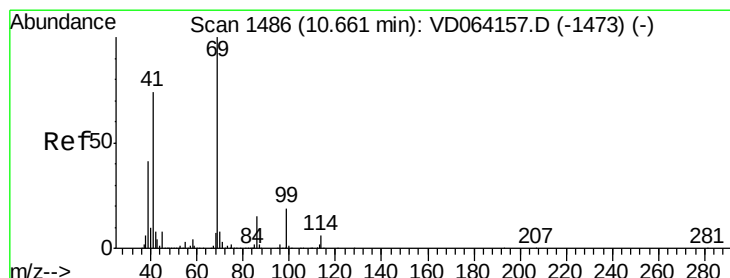
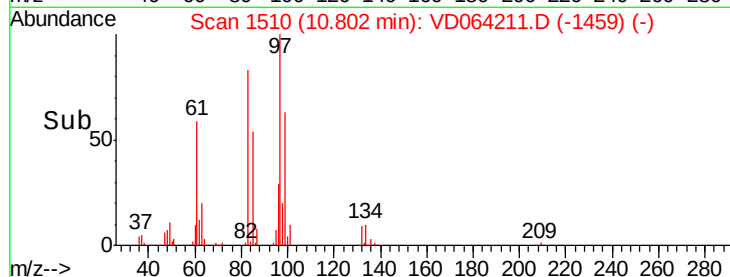
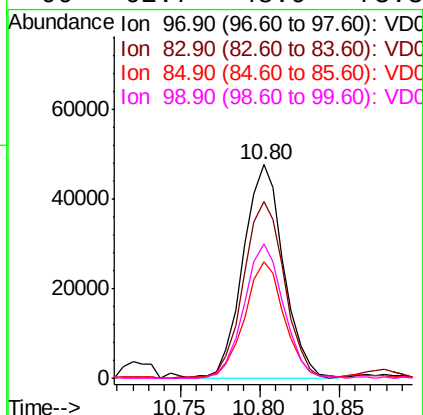
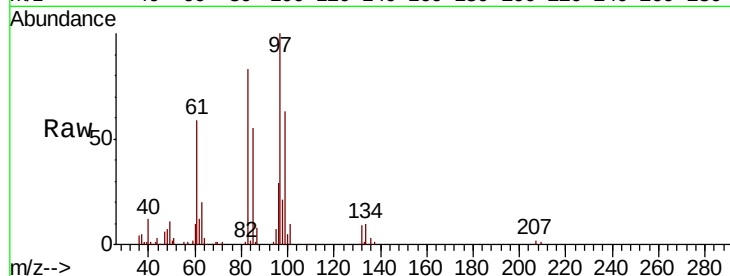




#55
 1,1,2-Trichloroethane
 Concen: 21.065 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

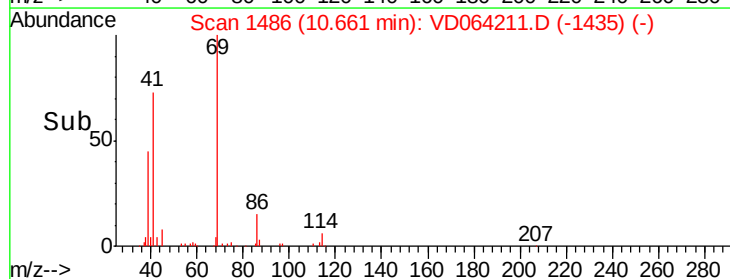
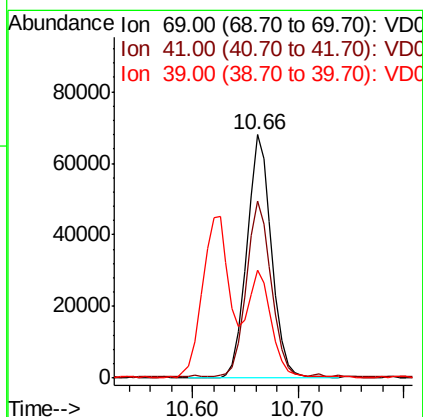
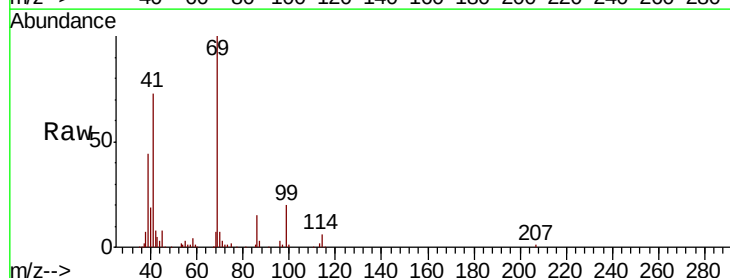
Instrument :
 MSVOA_D
 ClientSampleId :

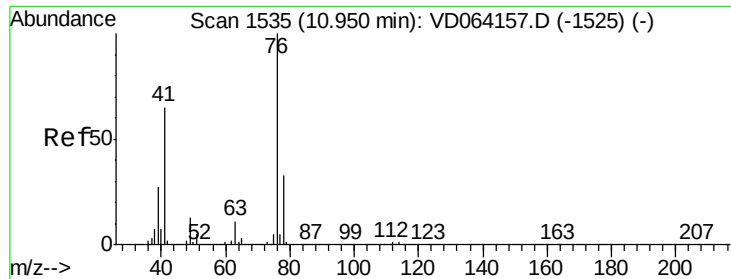
Tot Ion:	97	Resp:	84556
Ion	Ratio	Lower	Upper
97	100		
83	82.5	65.1	97.7
85	54.2	42.0	63.0
99	62.7	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 19.691 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Tgt Ion:	69	Resp:	110566
Ion	Ratio	Lower	Upper
69	100		
41	72.6	57.9	86.9
39	42.2	29.0	43.4





#57

1,3-Dichloropropane

Concen: 20.619 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

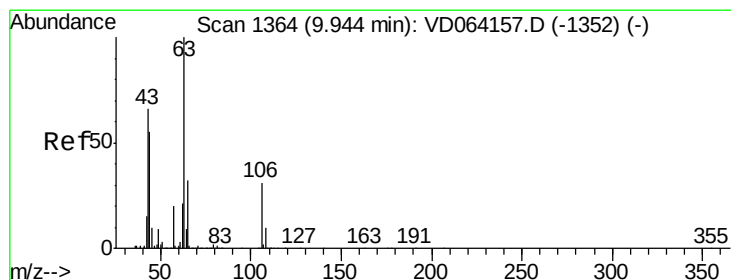
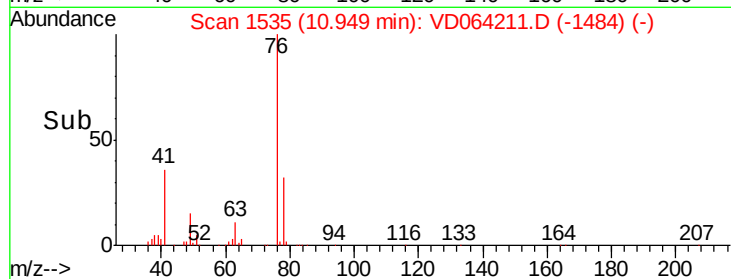
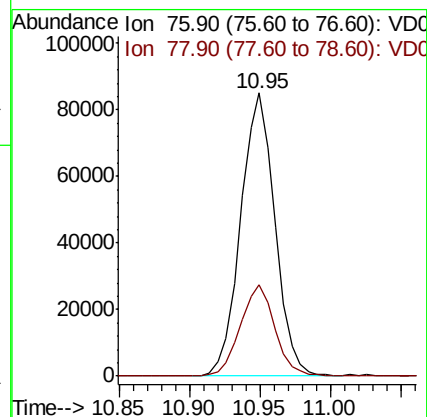
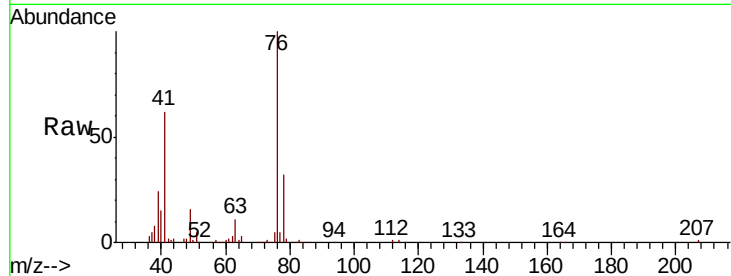
ClientSampleId :

Tot Ion: 76 Resp: 144347

Ion Ratio Lower Upper

76 100

78 32.3 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 101.918 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064211.D

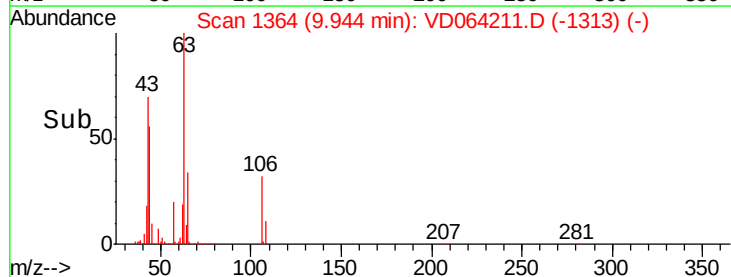
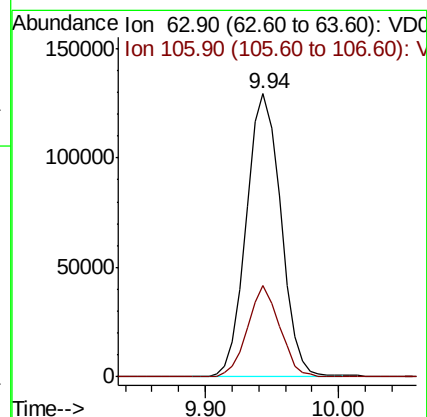
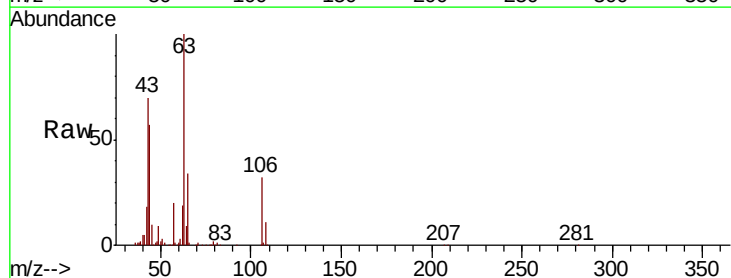
Acq: 14 Nov 2019 13:11

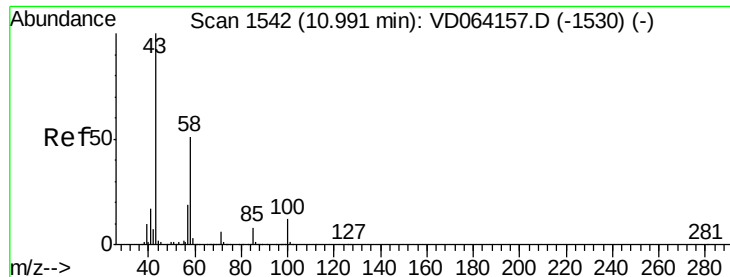
Tgt Ion: 63 Resp: 231818

Ion Ratio Lower Upper

63 100

106 29.9 24.1 36.1

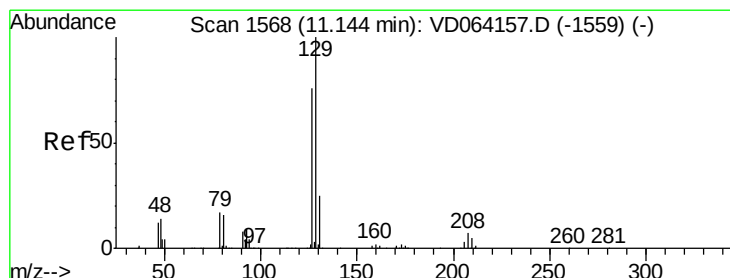
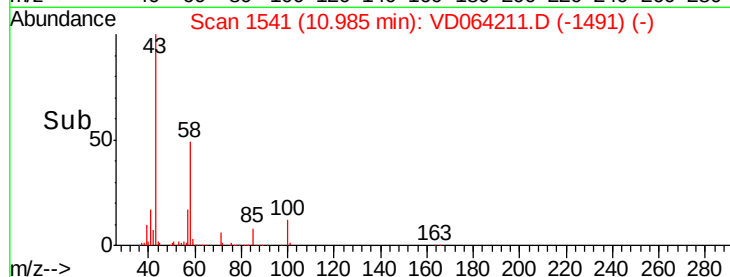
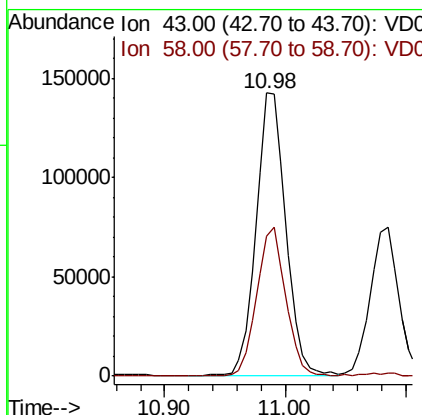
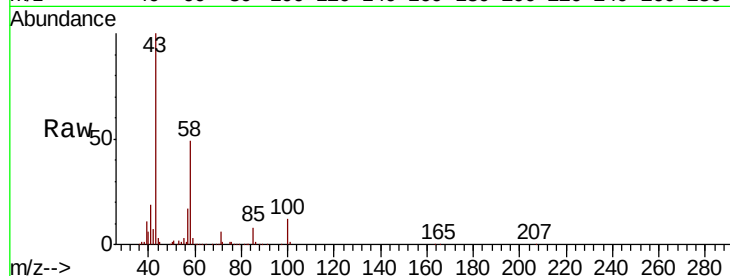




#59
2-Hexanone
Concen: 98.600 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

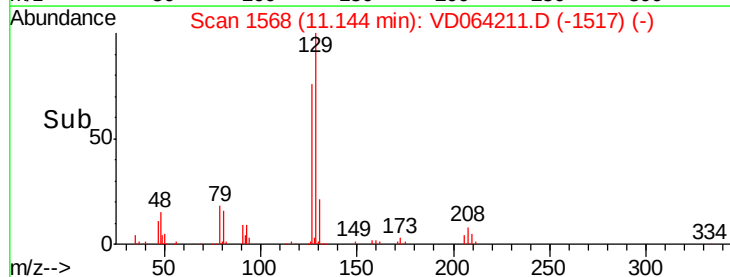
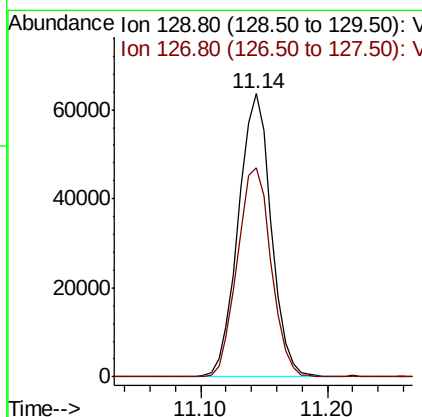
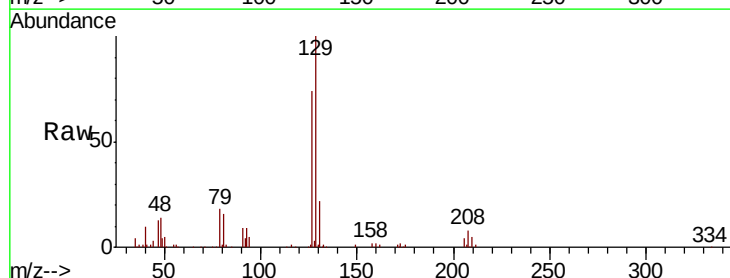
Instrument :
MSVOA_D
ClientSampleId :

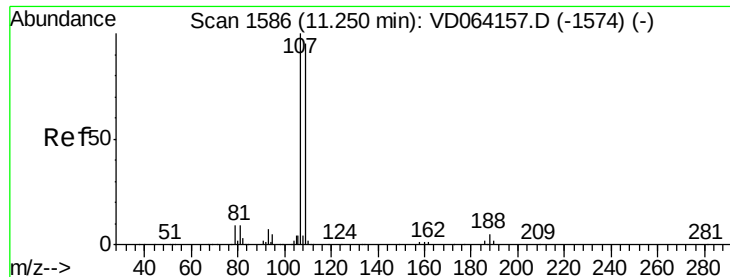
Tot Ion: 43 Resp: 242781
Ion Ratio Lower Upper
43 100
58 51.2 25.9 77.7



#60
Dibromochloromethane
Concen: 20.435 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion: 129 Resp: 114461
Ion Ratio Lower Upper
129 100
127 75.9 38.6 115.8

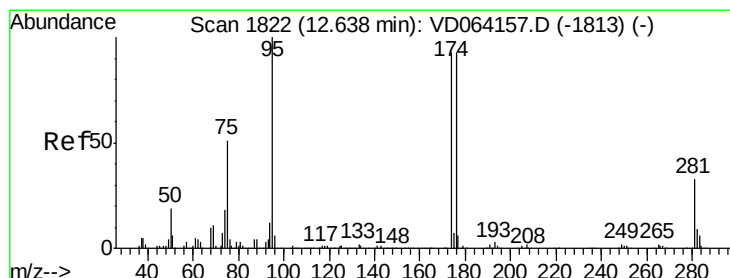
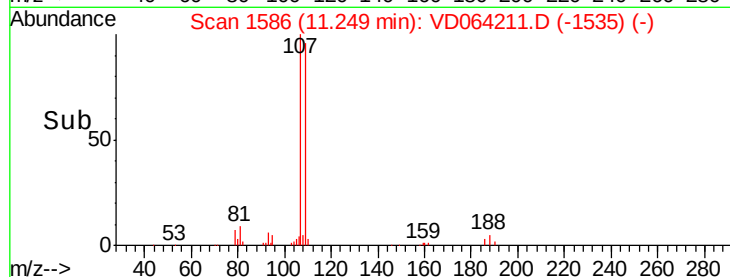
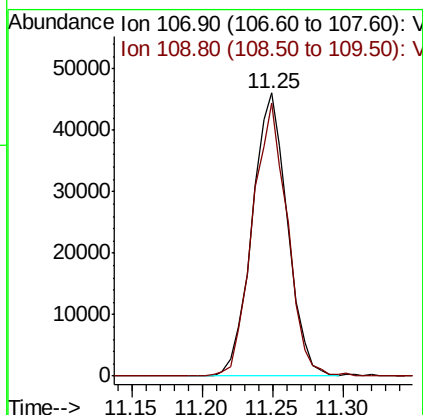
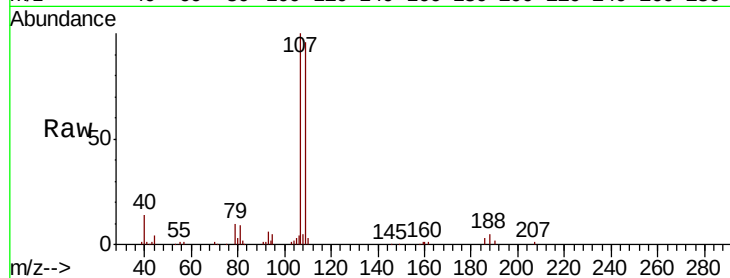




#61
 1,2-Dibromoethane
 Concen: 20.130 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

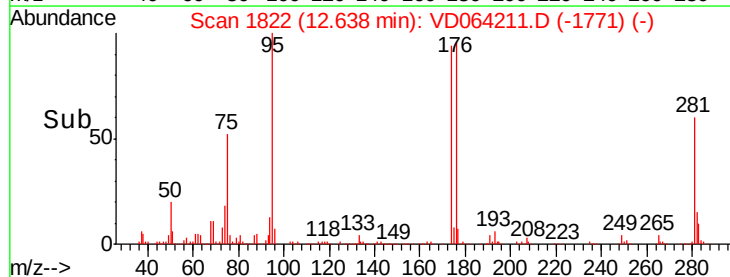
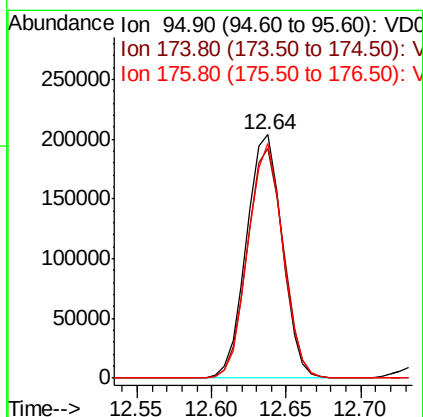
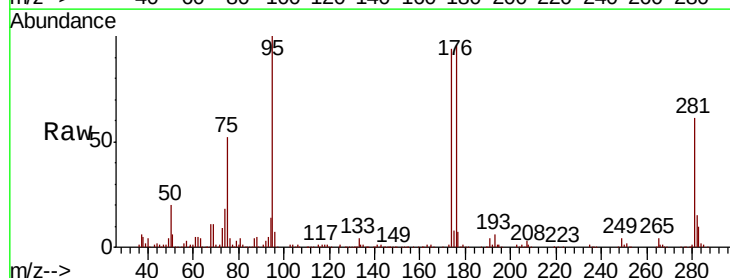
Instrument :
 MSVOA_D
 ClientSampled :

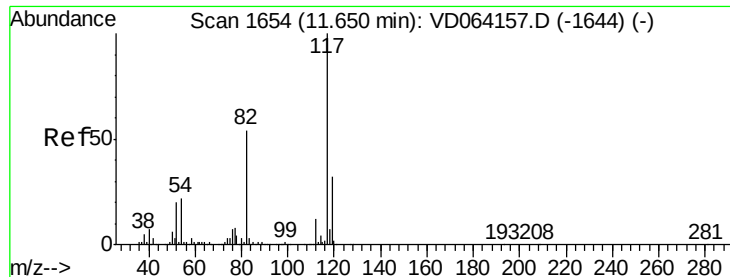
Tot Ion:107 Resp: 80931
 Ion Ratio Lower Upper
 107 100
 109 95.1 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 50.178 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Tgt Ion: 95 Resp: 338761
 Ion Ratio Lower Upper
 95 100
 174 94.8 0.0 183.6
 176 93.9 0.0 180.2

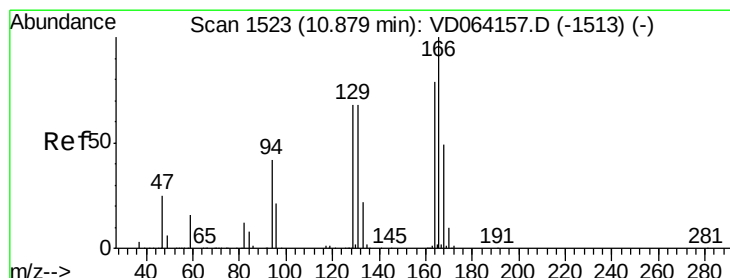
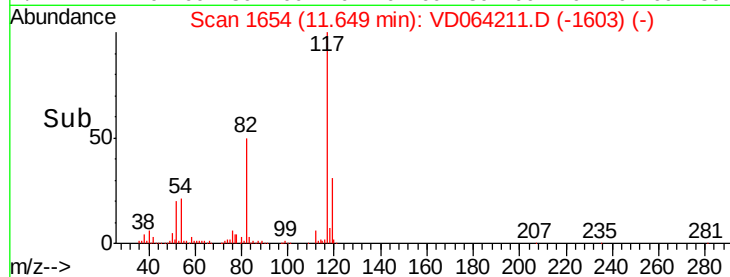
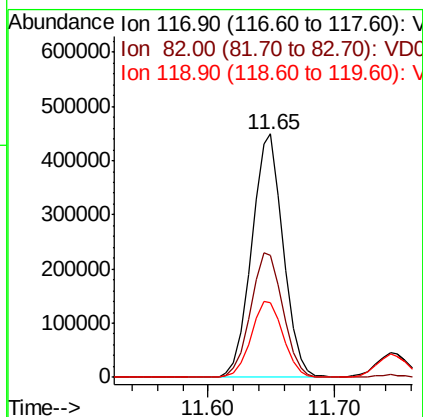
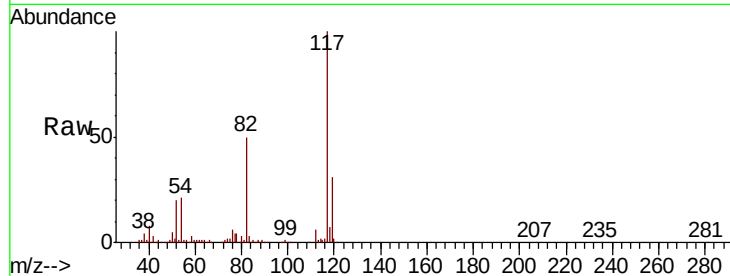




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

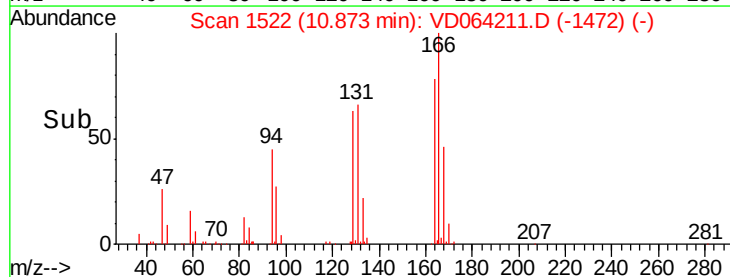
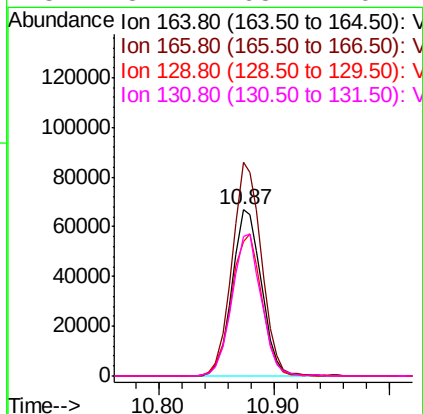
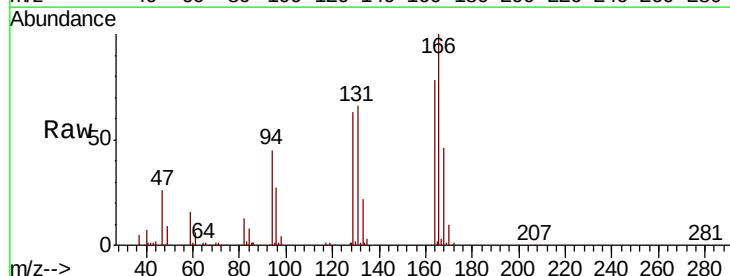
Instrument :
MSVOA_D
ClientSampleId :

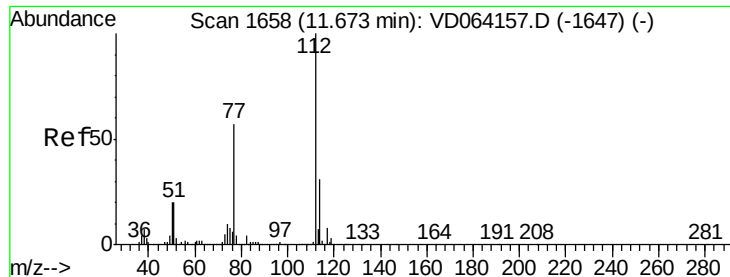
Tot Ion:117 Resp: 777271
Ion Ratio Lower Upper
117 100
82 50.2 42.8 64.2
119 30.6 25.6 38.4



#64
Tetrachloroethene
Concen: 19.721 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion:164 Resp: 117892
Ion Ratio Lower Upper
164 100
166 128.4 100.8 151.2
129 80.8 68.7 103.1
131 84.1 68.1 102.1

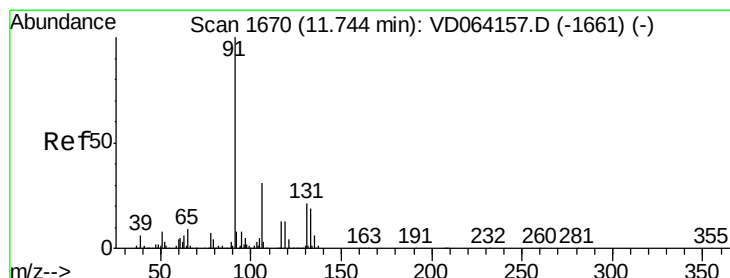
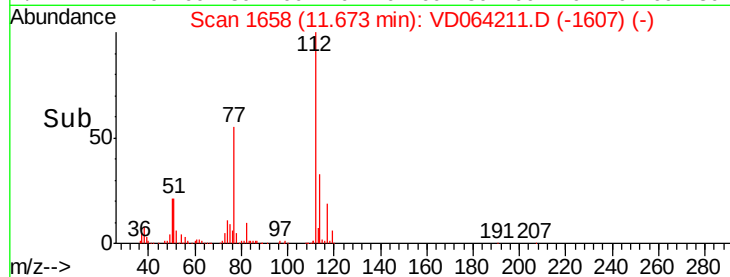
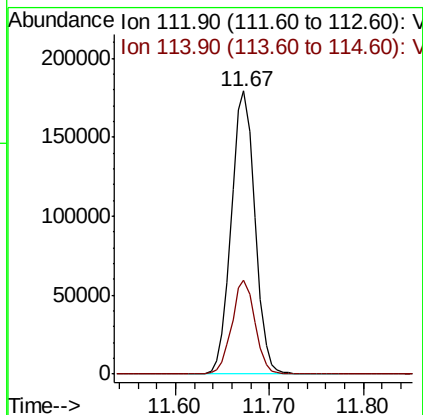
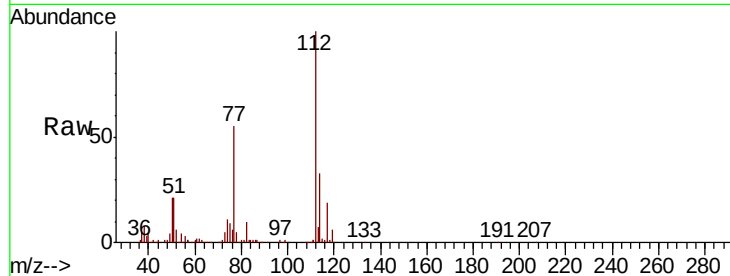




#65
Chlorobenzene
Concen: 19.836 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

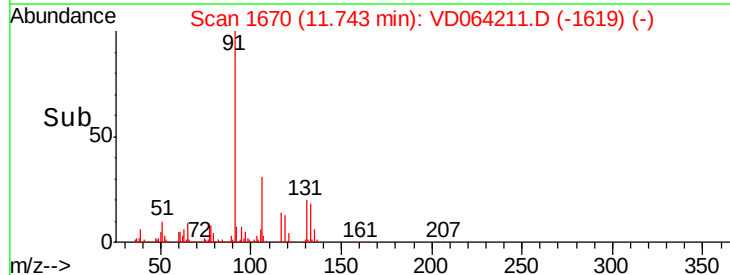
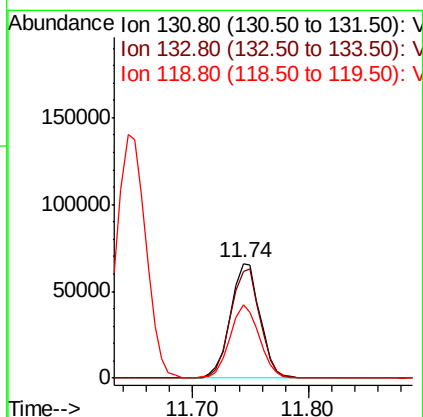
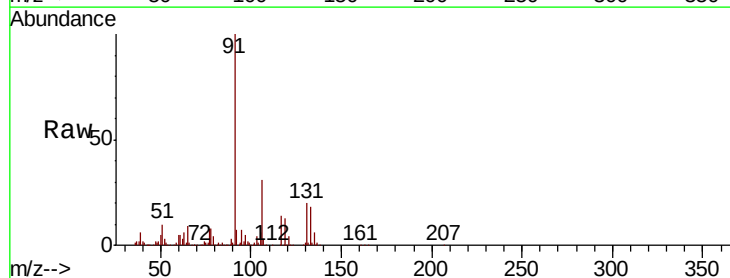
Instrument :
MSVOA_D
ClientSampleId :

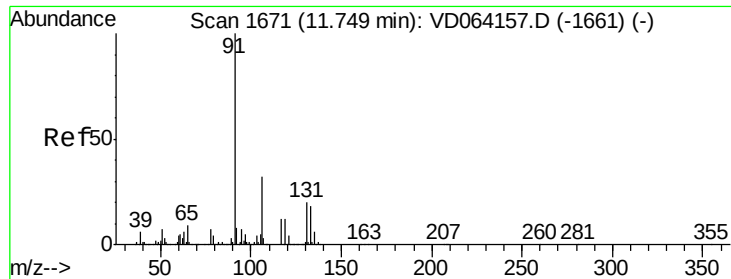
Tot Ion:112 Resp: 313524
Ion Ratio Lower Upper
112 100
114 33.0 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.514 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion:131 Resp: 117280
Ion Ratio Lower Upper
131 100
133 95.2 47.3 141.9
119 63.7 31.1 93.3

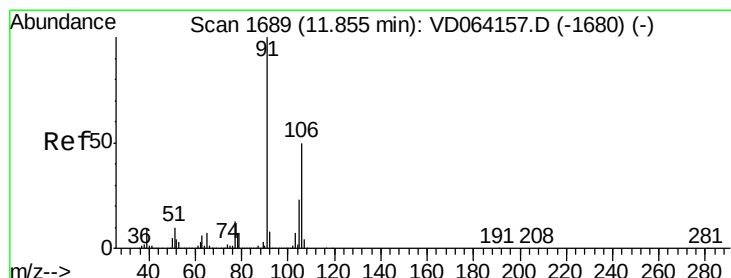
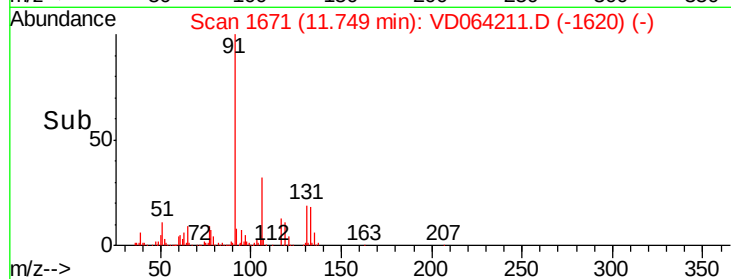
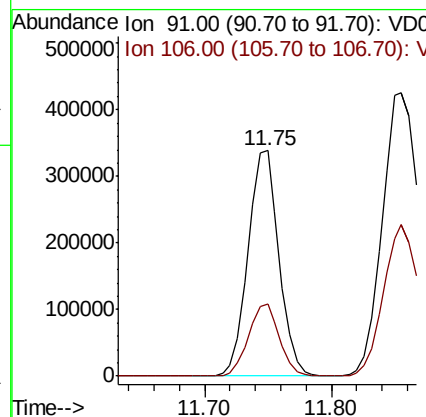
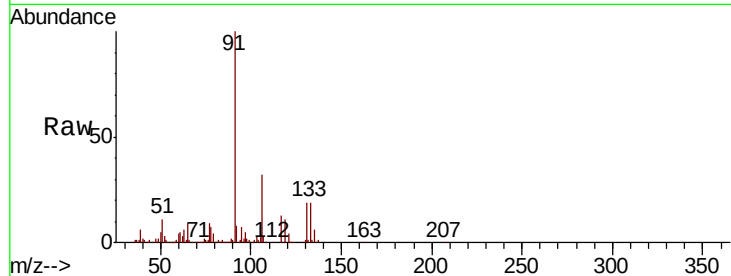




#67
Ethyl Benzene
Concen: 20.074 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

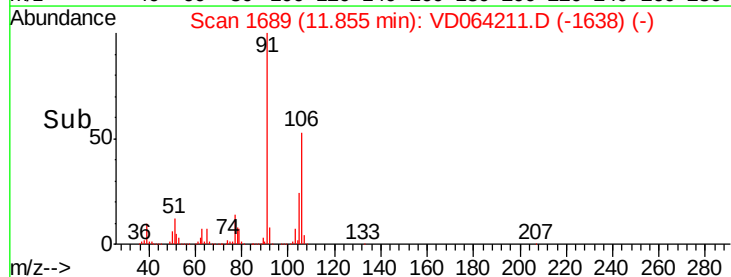
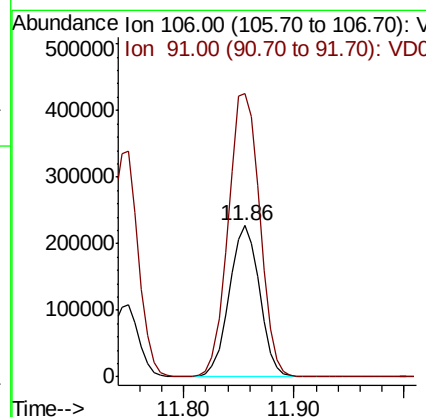
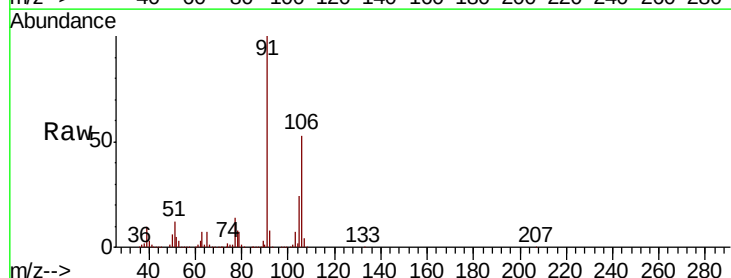
Instrument :
MSVOA_D
ClientSampleId :

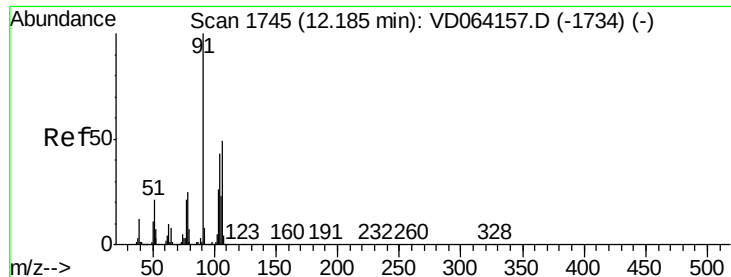
Tot Ion: 91 Resp: 573919
Ion Ratio Lower Upper
91 100
106 31.9 25.5 38.3



#68
m/p-Xylenes
Concen: 39.724 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion: 106 Resp: 435316
Ion Ratio Lower Upper
106 100
91 196.2 160.3 240.5

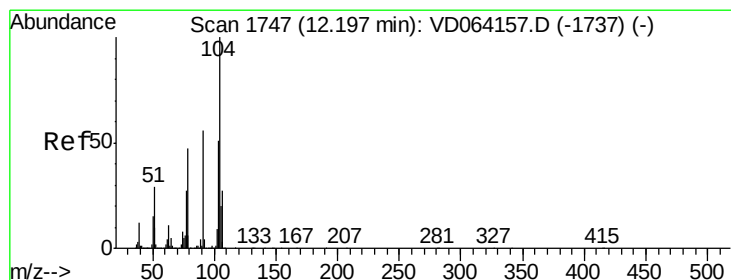
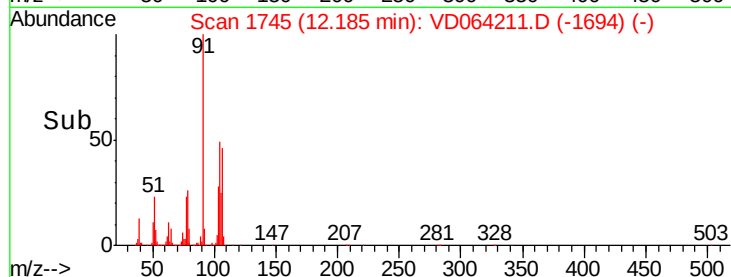
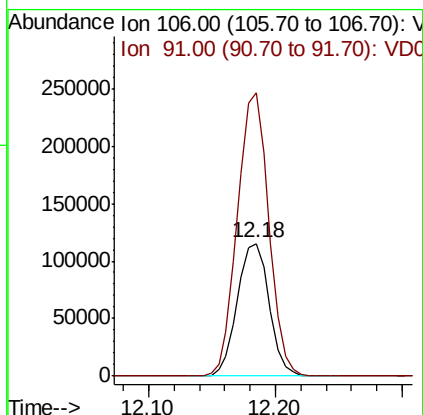
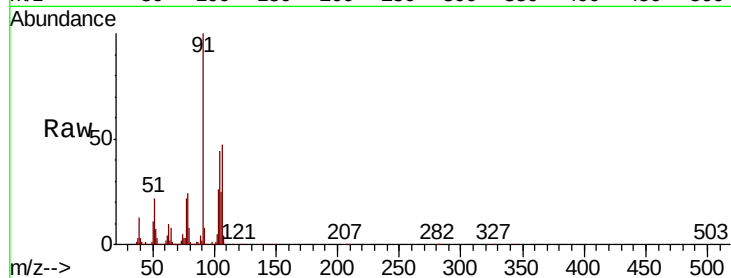




#69
o-Xylene
Concen: 19.799 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

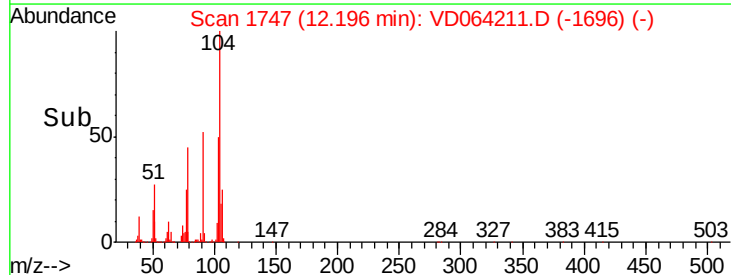
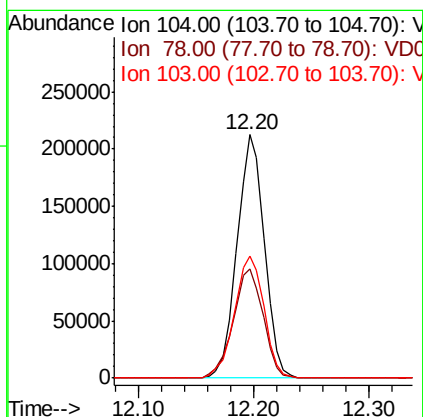
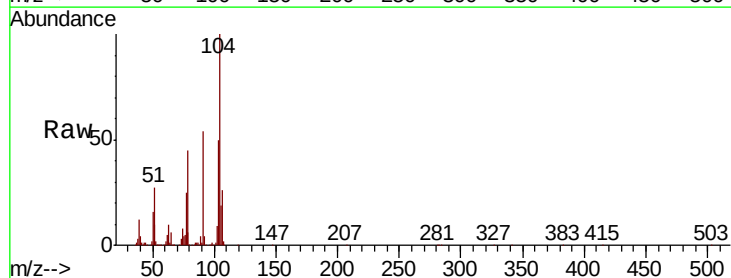
Instrument :
MSVOA_D
ClientSampleId :

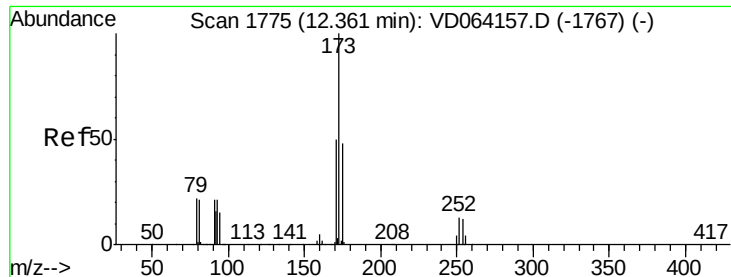
Tot Ion:106 Resp: 201231
Ion Ratio Lower Upper
106 100
91 210.7 105.1 315.3



#70
Styrene
Concen: 19.632 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion:104 Resp: 348291
Ion Ratio Lower Upper
104 100
78 49.1 39.9 59.9
103 54.4 43.4 65.0





#71

Bromoform

Concen: 20.636 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

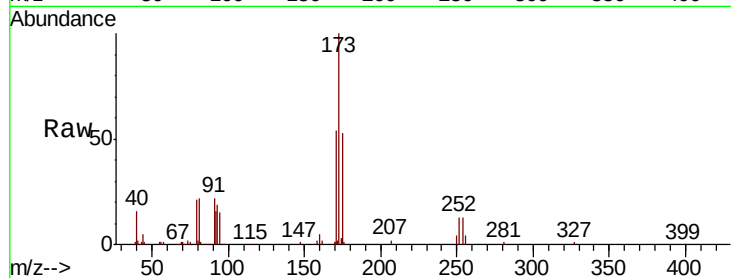
Tot Ion:173 Resp: 70583

Ion Ratio Lower Upper

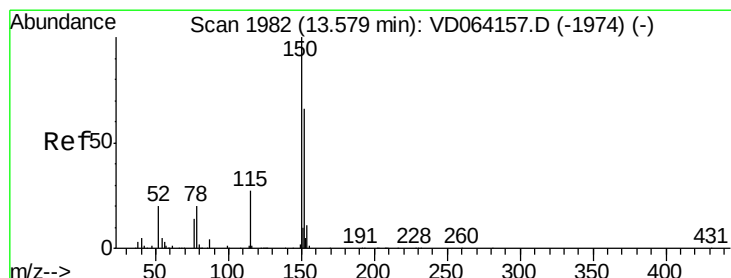
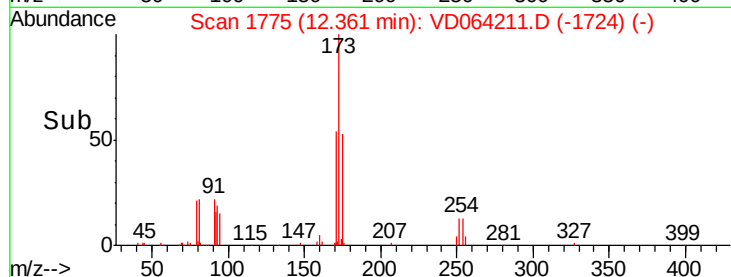
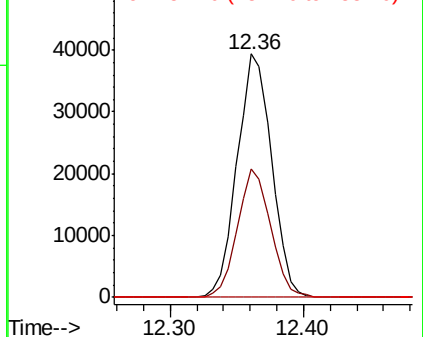
173 100

175 50.7 24.1 72.3

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

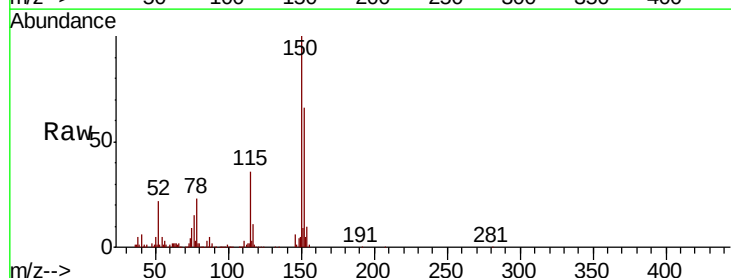
Tgt Ion:152 Resp: 378371

Ion Ratio Lower Upper

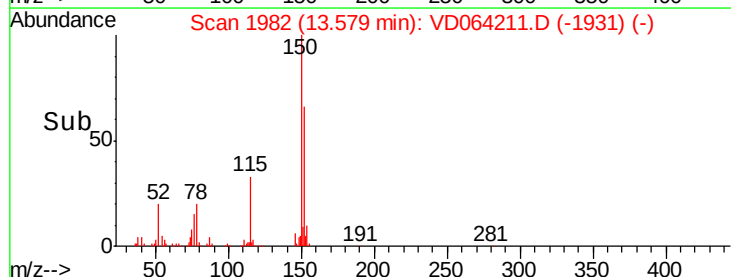
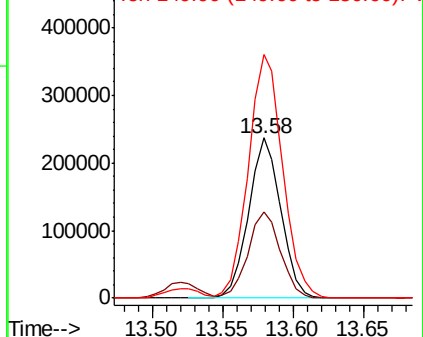
152 100

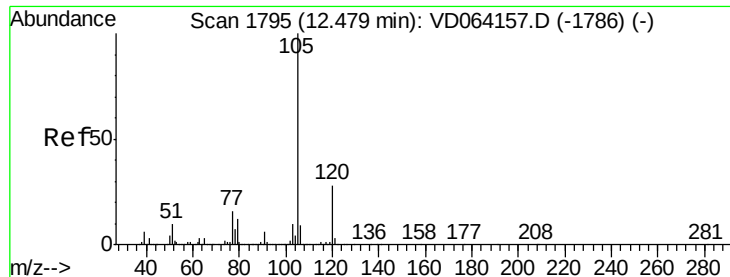
115 54.3 27.4 82.2

150 162.9 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: 20.001 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

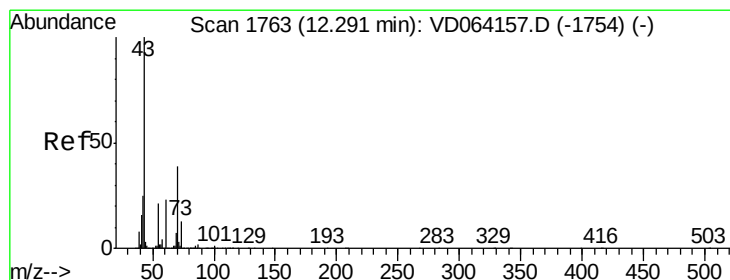
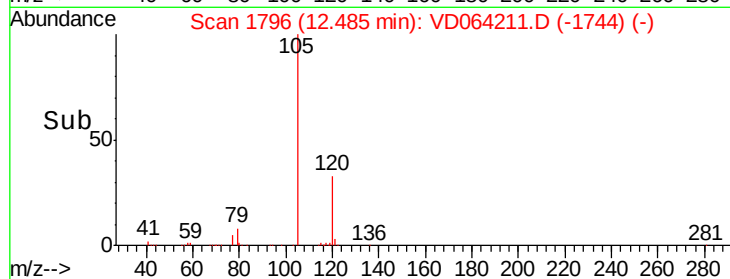
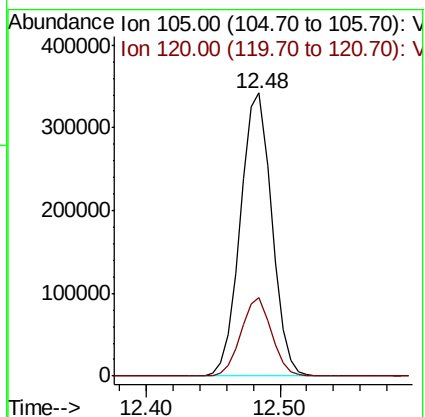
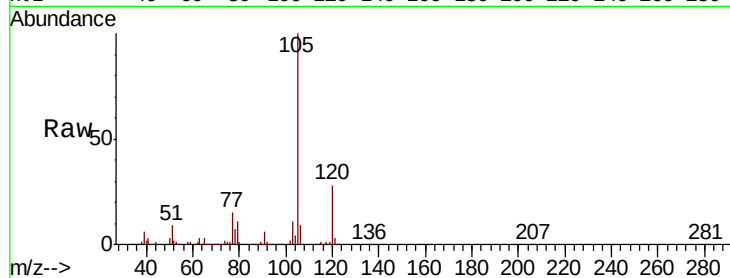
ClientSampleId :

Tot Ion: 105 Resp: 555483

Ion Ratio Lower Upper

105 100

120 27.0 13.6 40.8



#74

N-ethyl acetate

Concen: 20.449 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Tgt Ion: 43 Resp: 134109

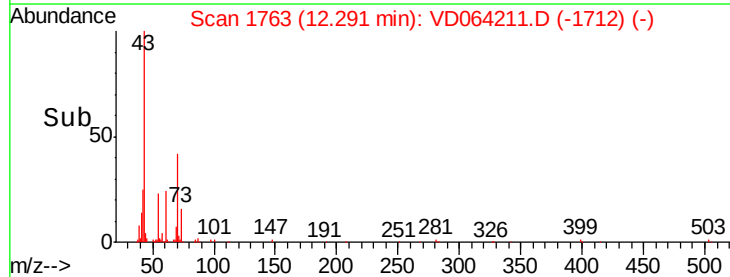
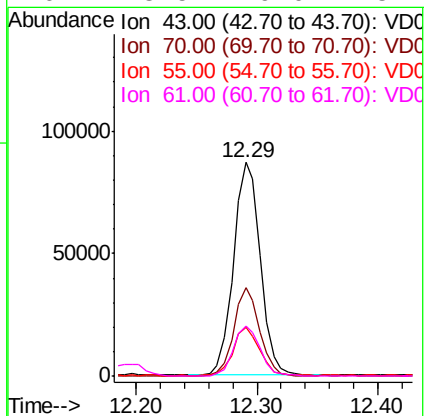
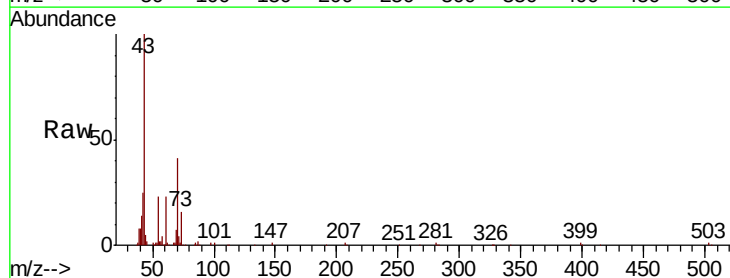
Ion Ratio Lower Upper

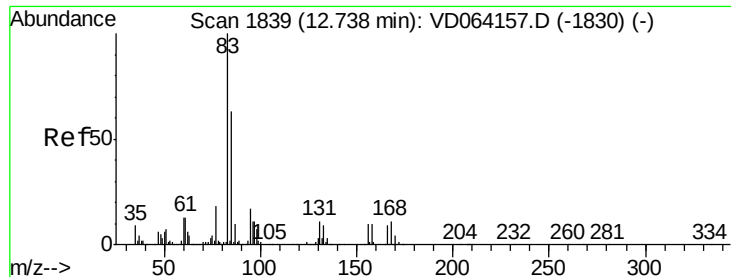
43 100

70 39.9 32.4 48.6

55 22.1 17.9 26.9

61 23.5 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.302 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

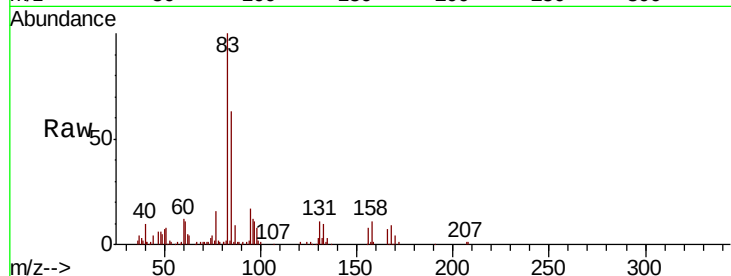
Tot Ion: 83 Resp: 89143

Ion Ratio Lower Upper

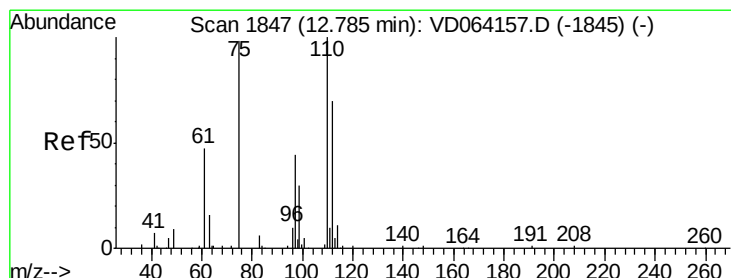
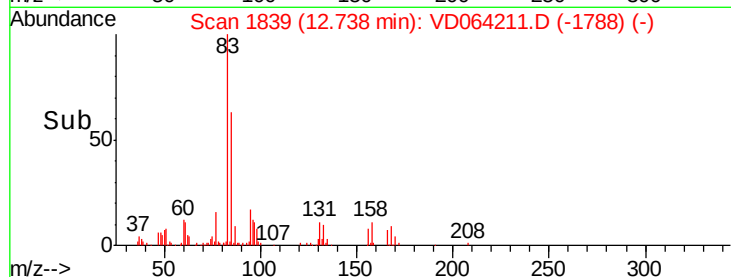
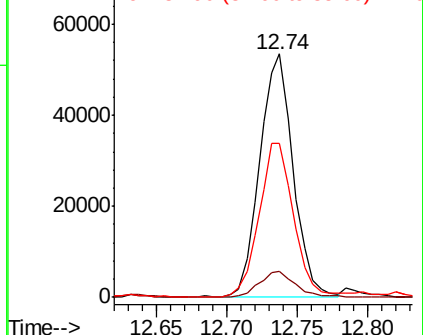
83 100

131 11.6 5.9 17.7

85 65.6 32.5 97.5



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



#76

1,2,3-Trichloropropane

Concen: 40.253 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD064211.D

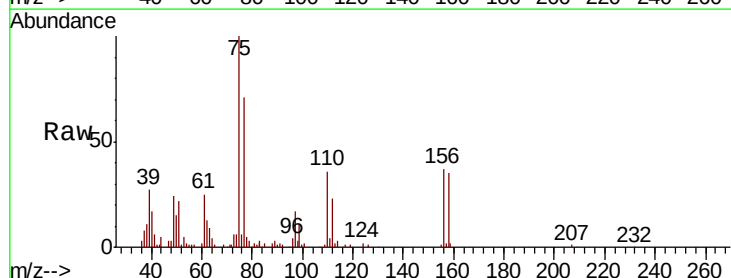
Acq: 14 Nov 2019 13:11

Tgt Ion: 75 Resp: 122676

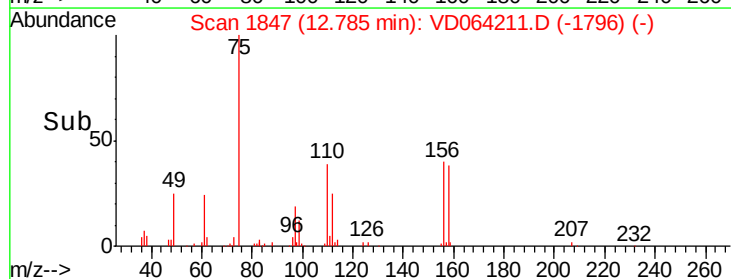
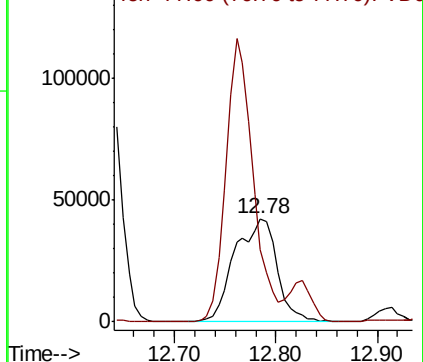
Ion Ratio Lower Upper

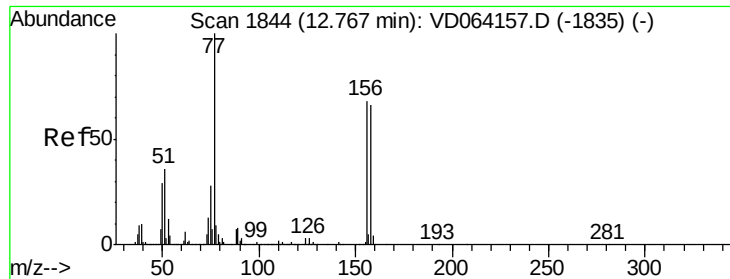
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 19.990 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

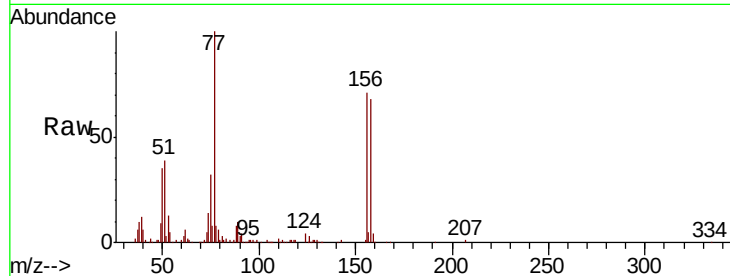
Tot Ion:156 Resp: 134873

Ion Ratio Lower Upper

156 100

77 160.5 81.2 243.4

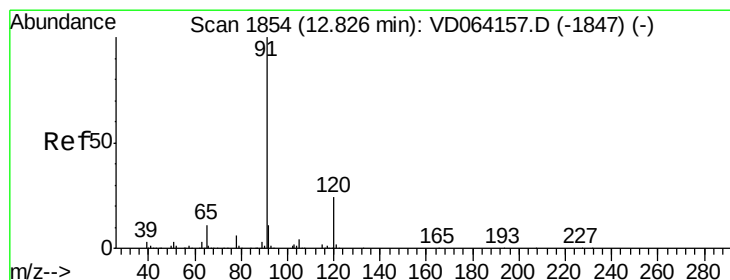
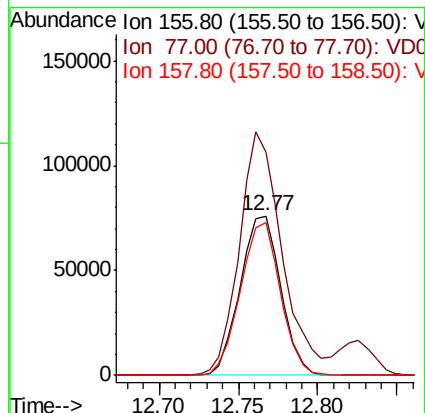
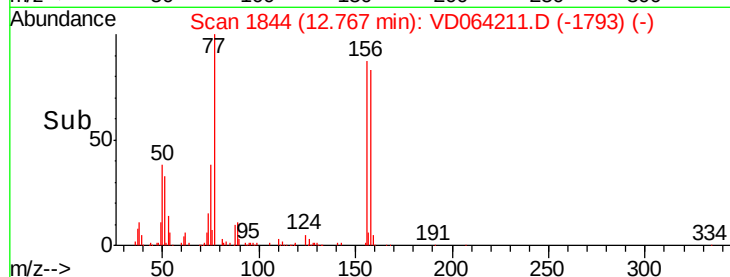
158 95.0 48.4 145.2



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: 20.200 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064211.D

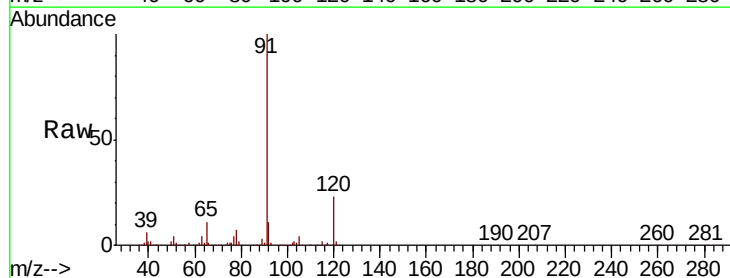
Acq: 14 Nov 2019 13:11

Tgt Ion: 91 Resp: 640957

Ion Ratio Lower Upper

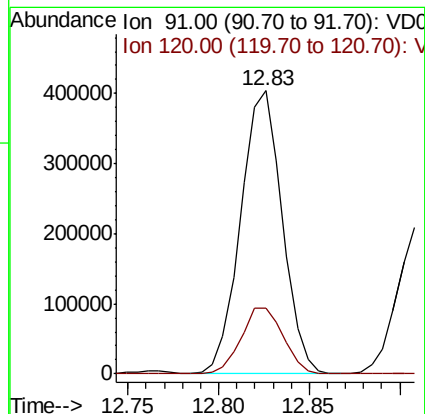
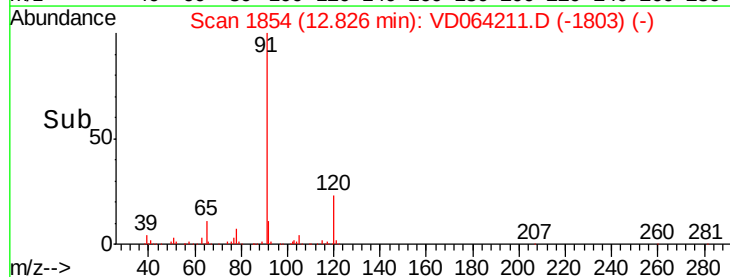
91 100

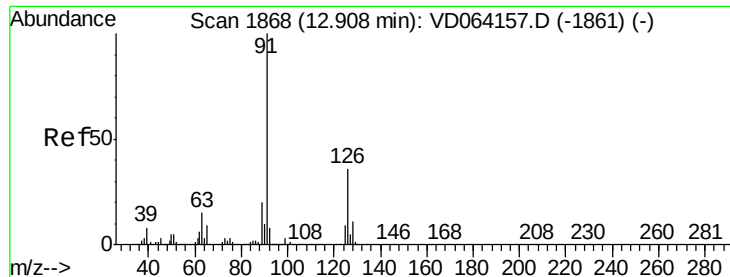
120 23.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

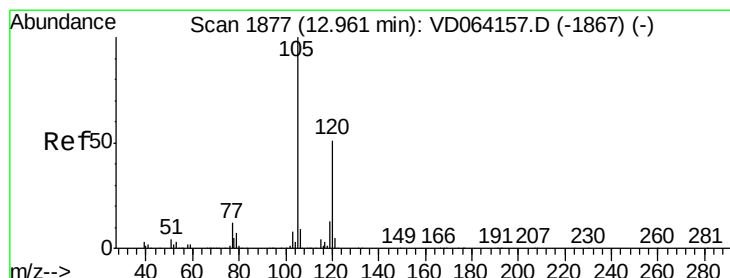
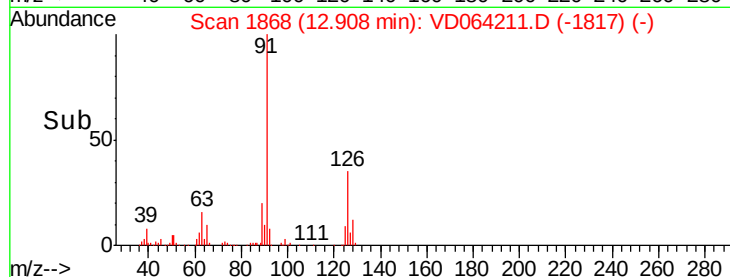
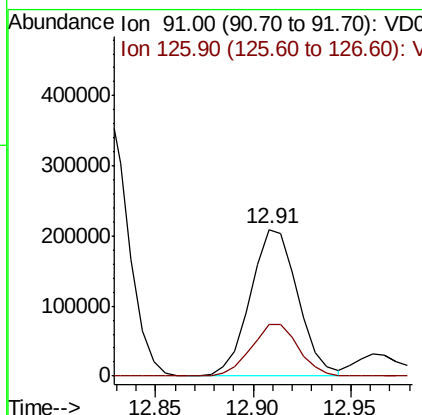
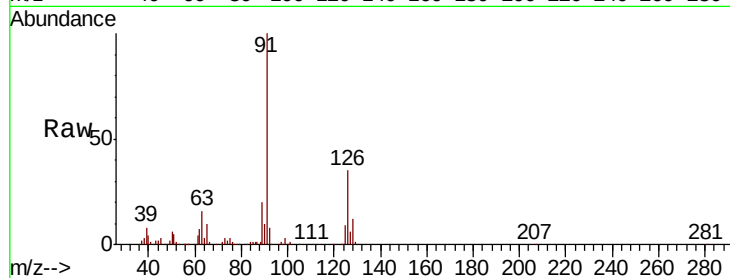




#79
2-Chlorotoluene
Concen: 19.661 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

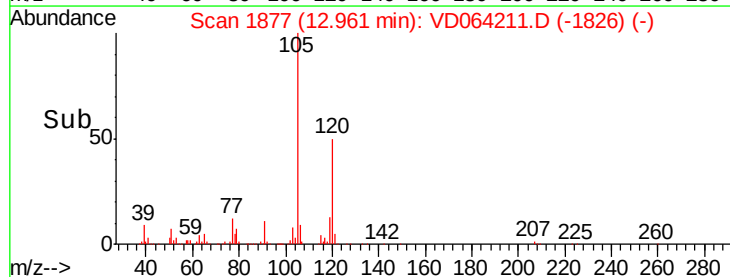
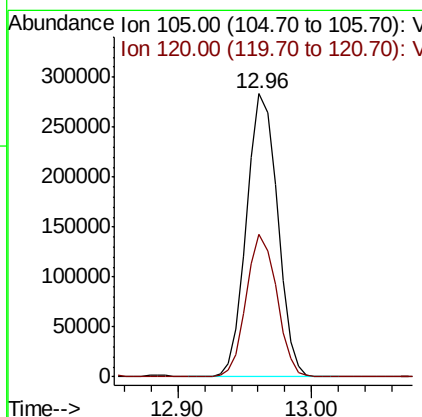
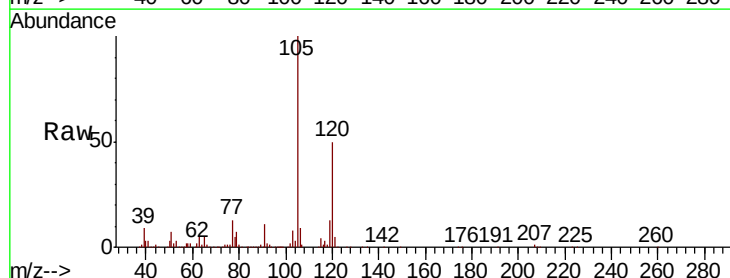
Instrument :
MSVOA_D
ClientSampleId :

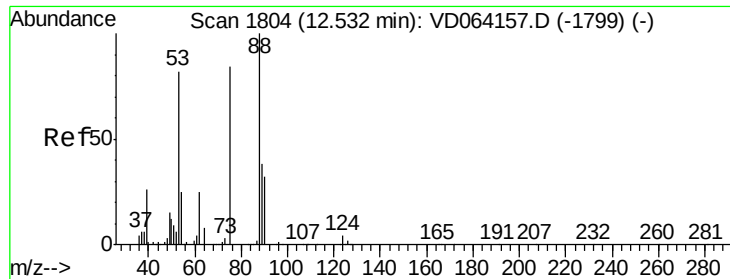
Tot Ion: 91 Resp: 352212
Ion Ratio Lower Upper
91 100
126 35.4 17.7 53.1



#80
1,3,5-Trimethylbenzene
Concen: 19.994 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion: 105 Resp: 456265
Ion Ratio Lower Upper
105 100
120 49.5 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.585 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

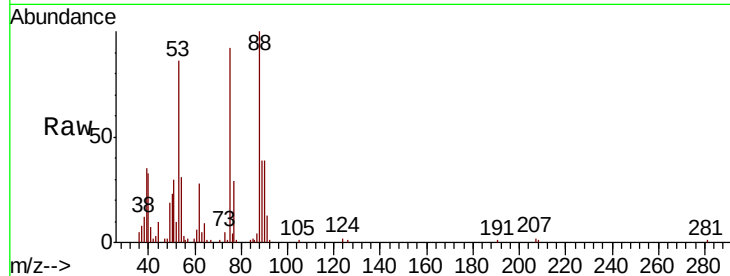
Tot Ion: 75 Resp: 31583

Ion	Ratio	Lower	Upper
75	100		
53	96.5	79.4	119.0
89	44.7	36.6	55.0

75 100

53 96.5 79.4 119.0

89 44.7 36.6 55.0

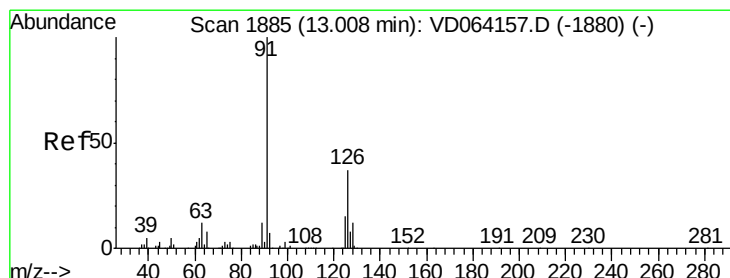
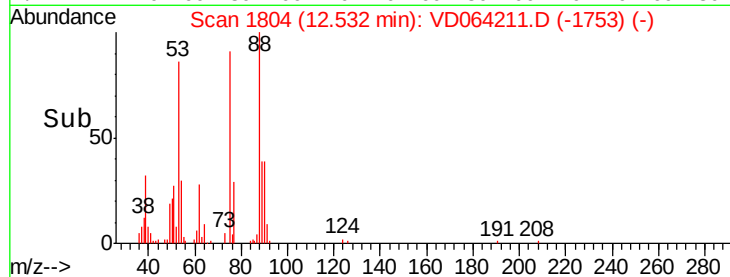
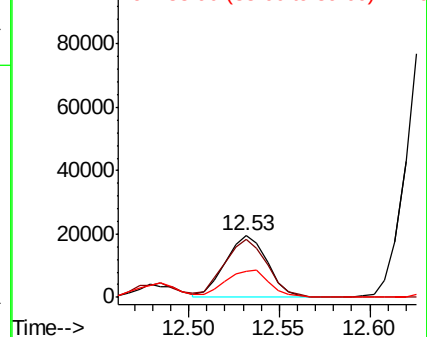


Abundance

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: 19.608 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD064211.D

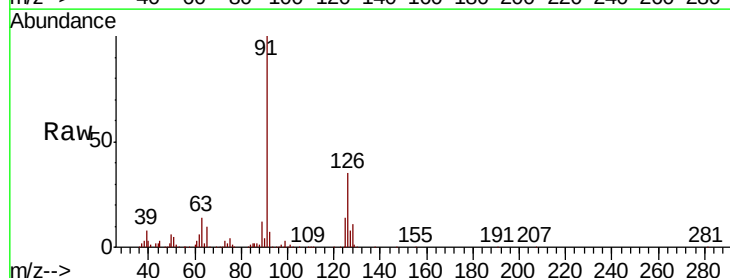
Acq: 14 Nov 2019 13:11

Tgt Ion: 91 Resp: 366384

Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.8	53.4

91 100

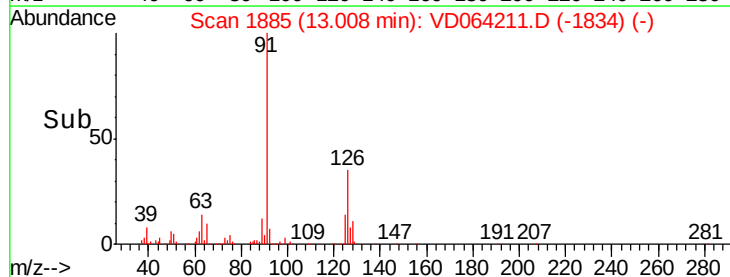
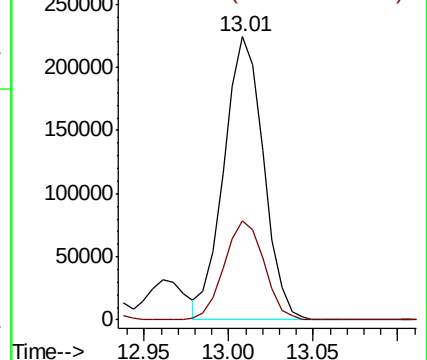
126 35.2 17.8 53.4

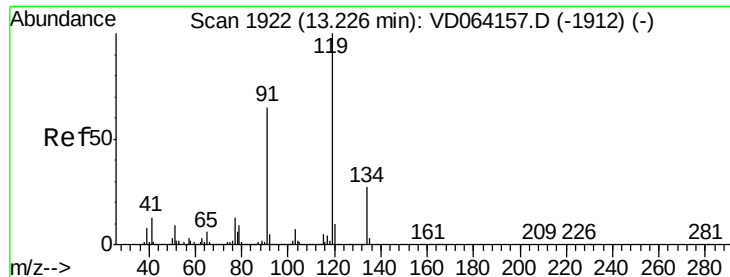


Abundance

Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): VDC





#83

tert-Butylbenzene

Concen: 20.295 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VD064211.D

Acq: 14 Nov 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

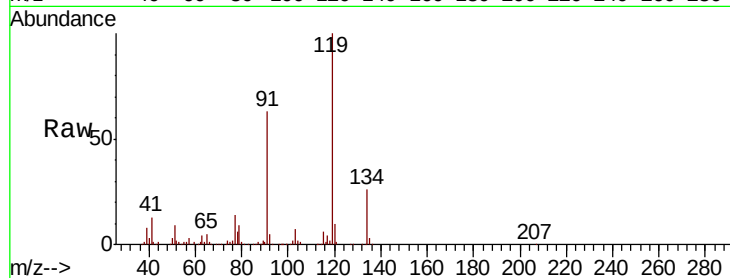
Tot Ion:119 Resp: 408381

Ion Ratio Lower Upper

119 100

91 61.7 31.8 95.4

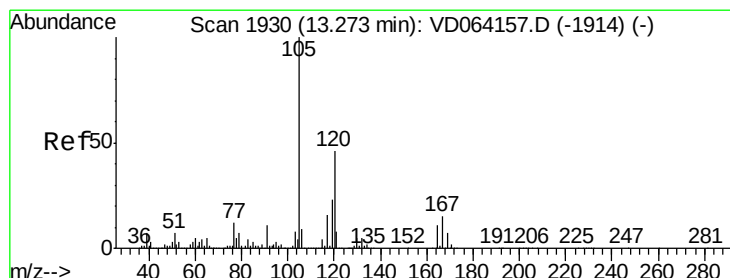
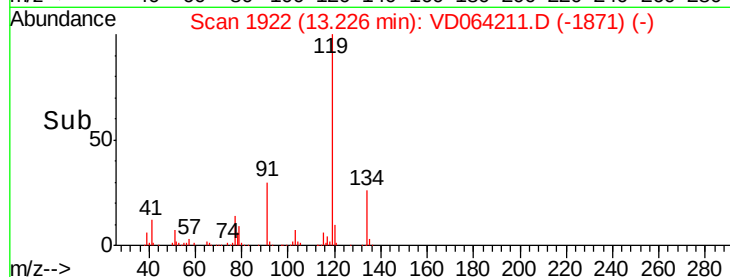
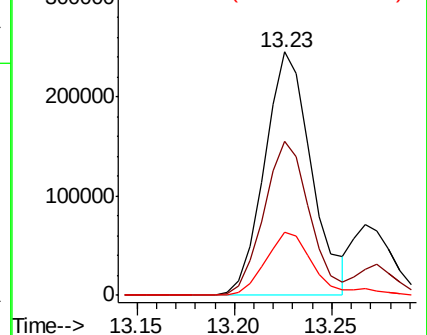
134 27.1 13.7 41.0



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: 19.648 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD064211.D

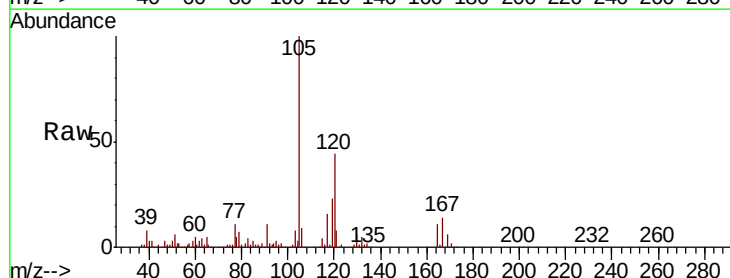
Acq: 14 Nov 2019 13:11

Tgt Ion:105 Resp: 442669

Ion Ratio Lower Upper

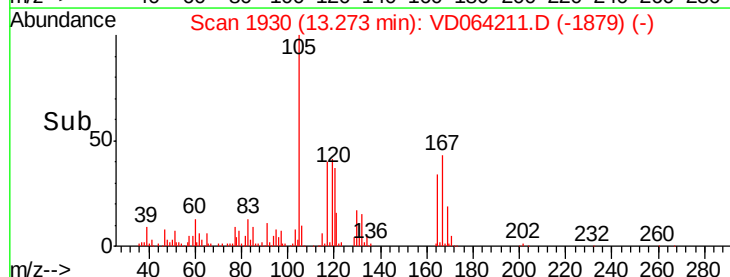
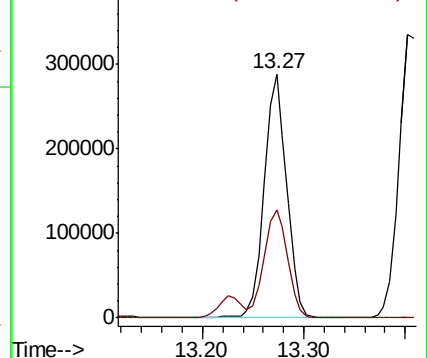
105 100

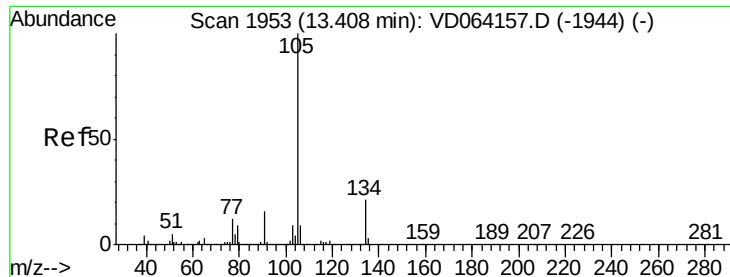
120 46.2 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

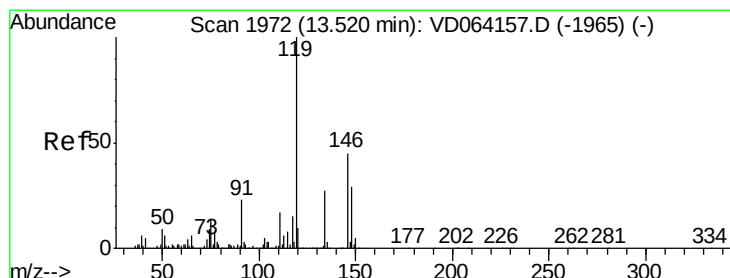
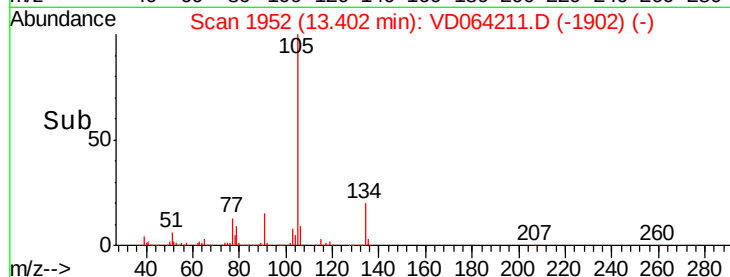
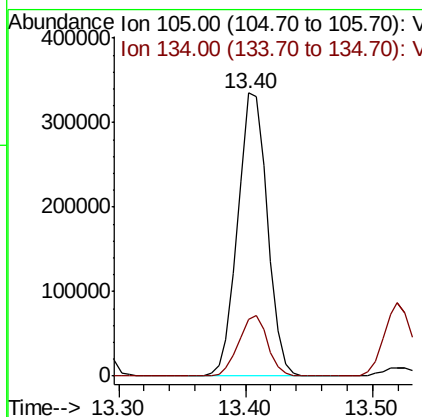
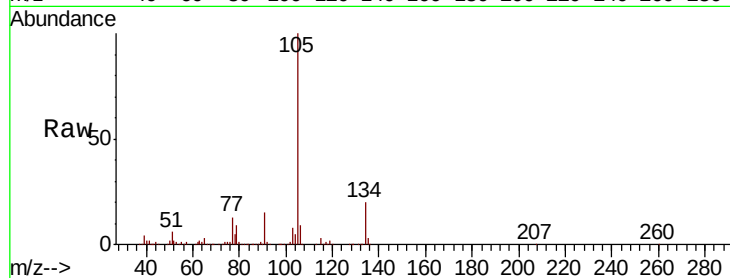




#85
 sec-Butylbenzene
 Concen: 20.067 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

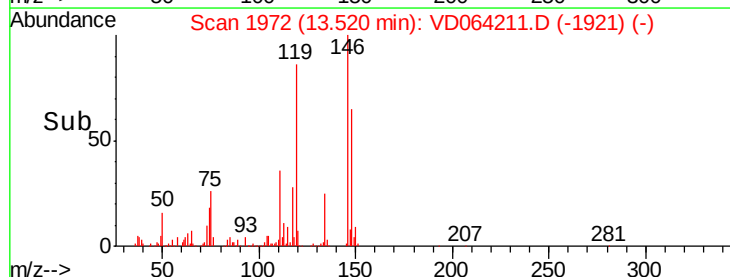
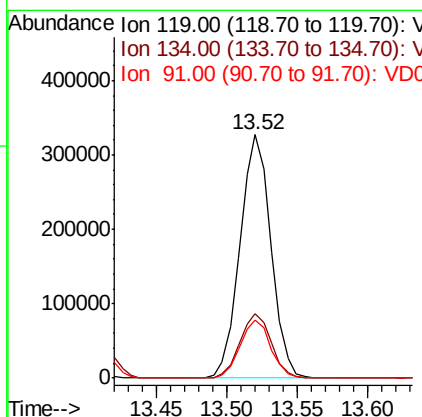
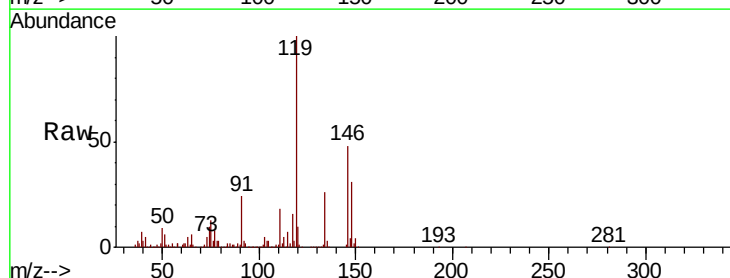
Instrument :
 MSVOA_D
 ClientSampleId :

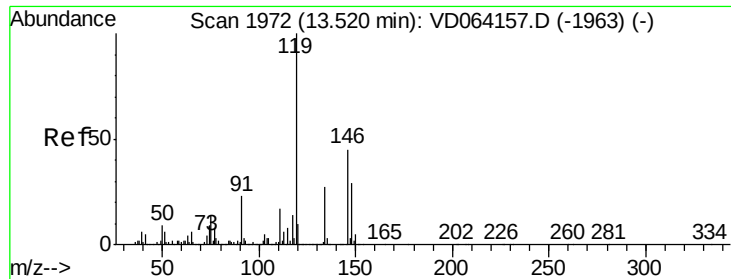
Tot Ion:105 Resp: 542352
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.7 31.9



#86
 p-Isopropyltoluene
 Concen: 19.455 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Tgt Ion:119 Resp: 499878
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.5 40.5
 91 23.4 11.5 34.4

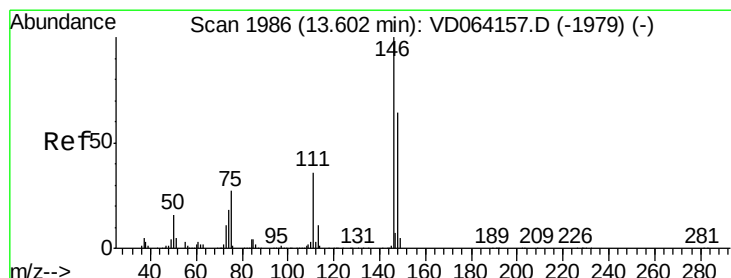
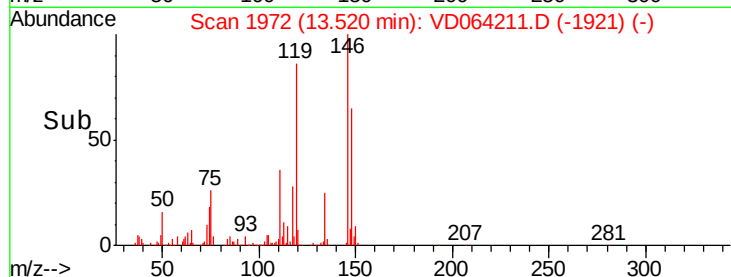
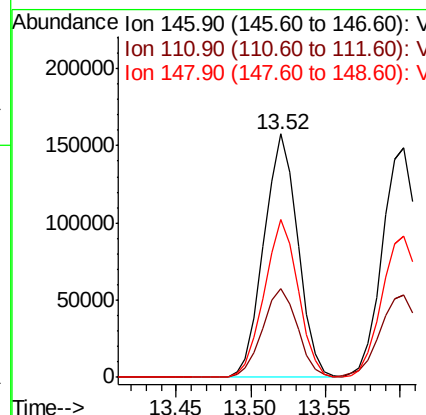
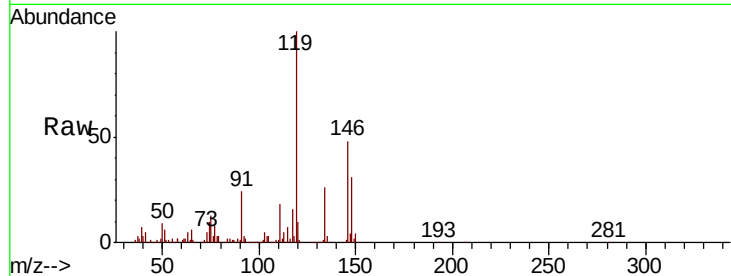




#87
 1,3-Dichlorobenzene
 Concen: 19.827 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

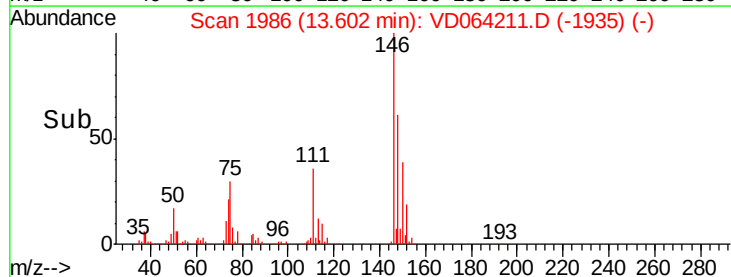
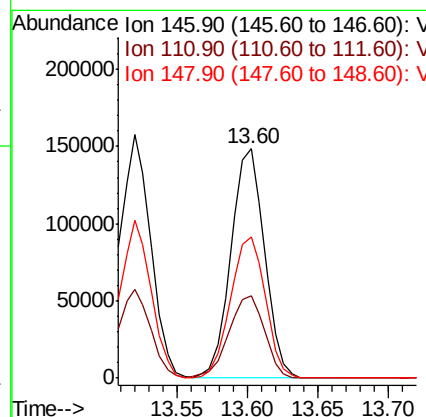
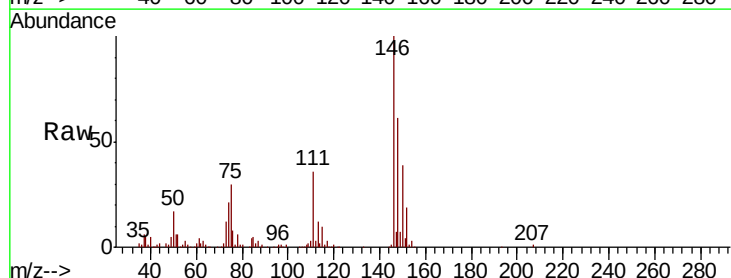
Instrument :
 MSVOA_D
 ClientSampleId :

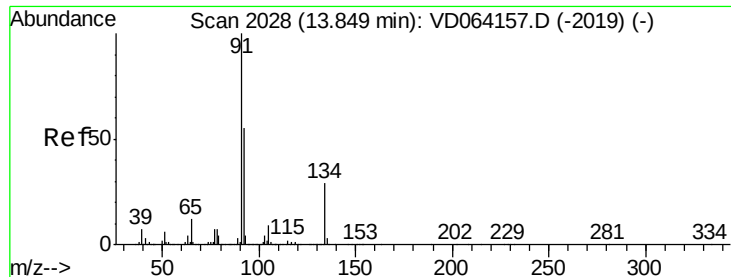
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.9	56.9
148	64.6	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 20.117 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.1	54.4
148	63.9	31.9	95.7

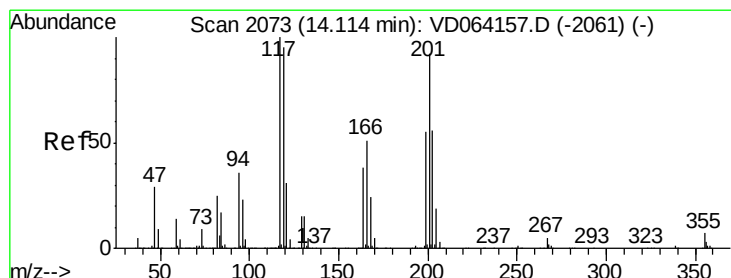
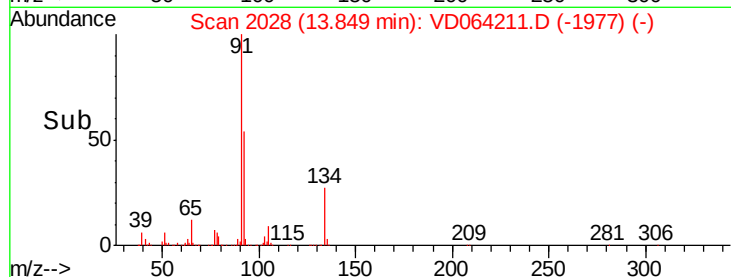
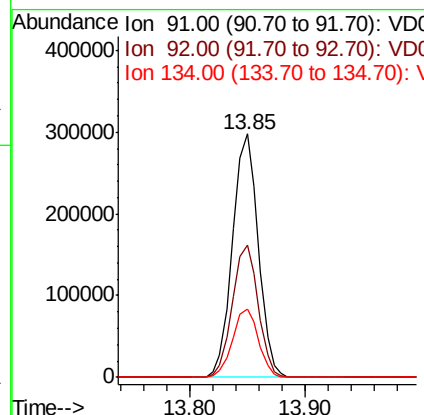
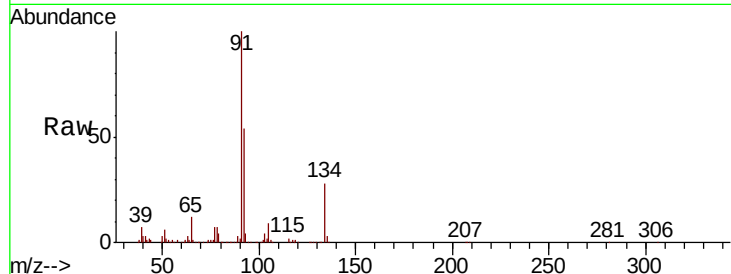




#89
n-Butylbenzene
Concen: 19.754 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

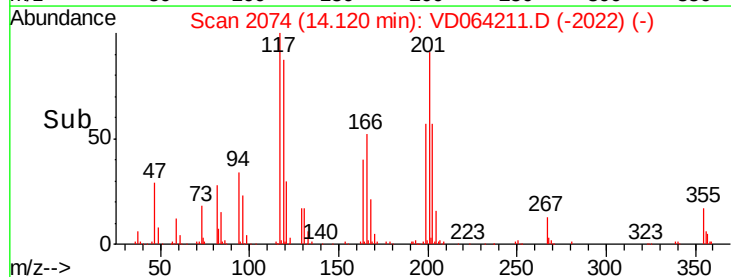
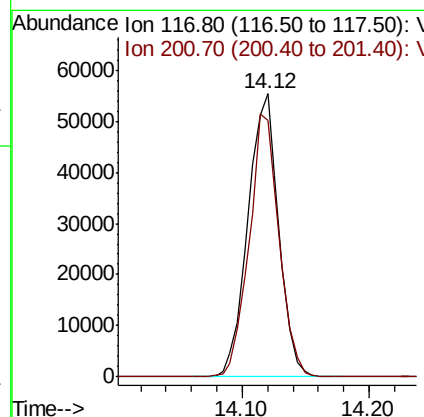
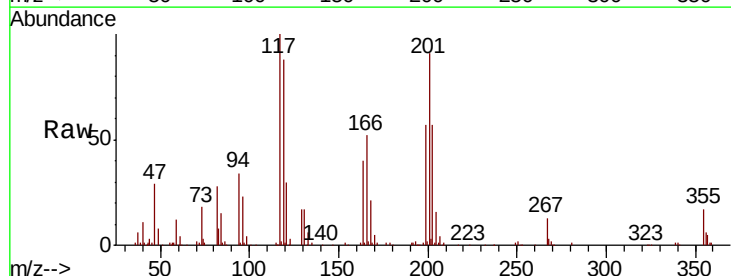
Instrument :
MSVOA_D
ClientSampleId :

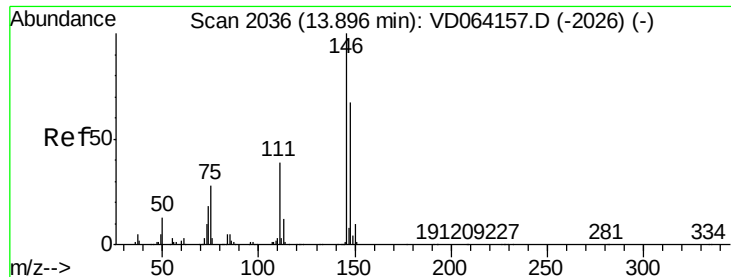
Tot Ion: 91 Resp: 458560
Ion Ratio Lower Upper
91 100
92 54.6 27.3 81.8
134 28.3 14.1 42.4



#90
Hexachloroethane
Concen: 19.644 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion: 117 Resp: 93280
Ion Ratio Lower Upper
117 100
201 90.4 45.8 137.4

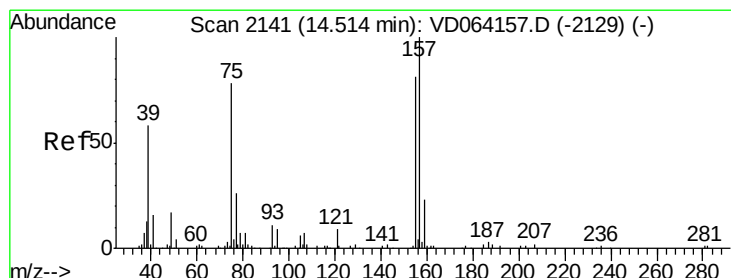
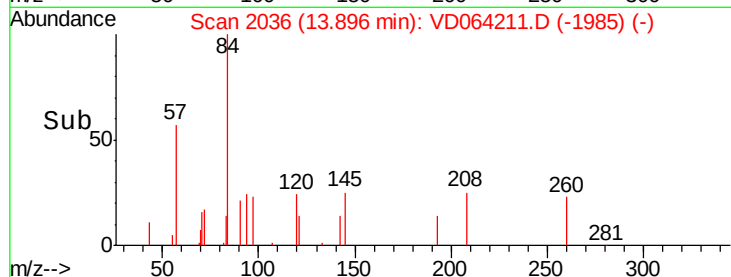
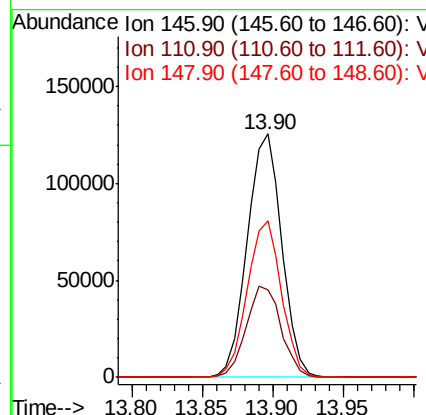
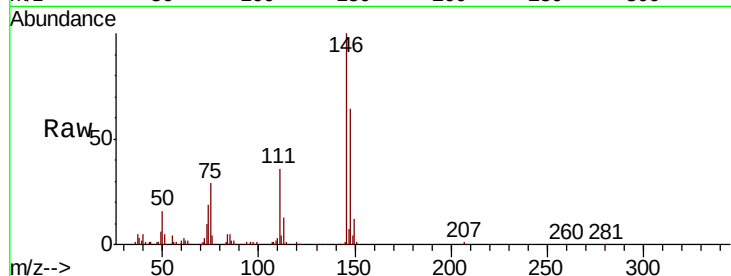




#91
 1,2-Dichlorobenzene
 Concen: 20.283 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

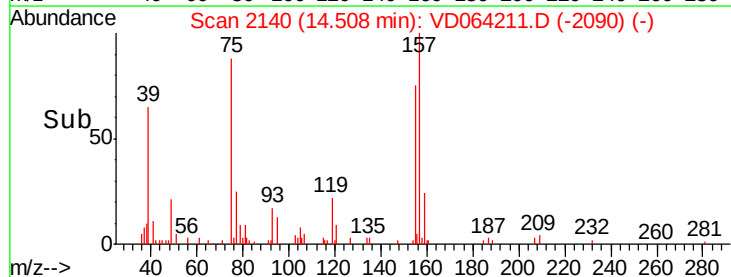
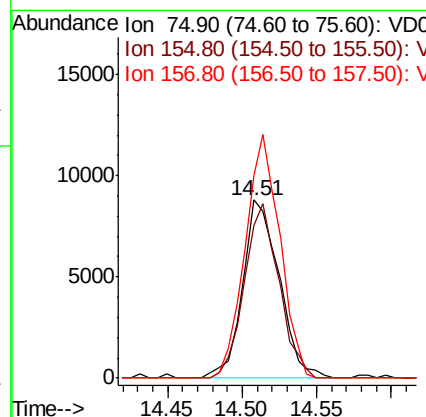
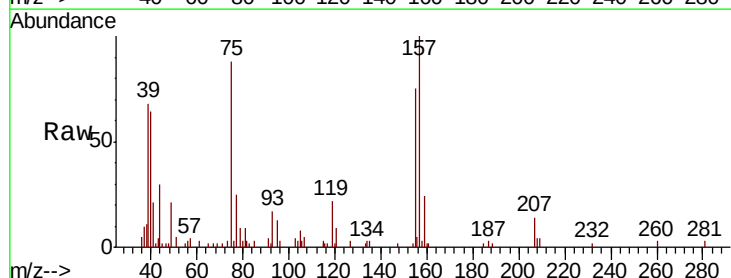
Instrument :
 MSVOA_D
 ClientSampleId :

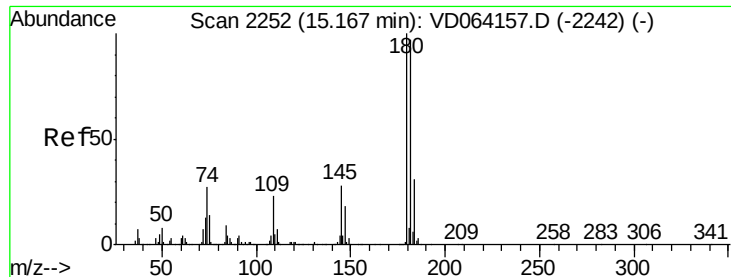
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.7	59.0
148	63.9	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.954 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.6	48.0	144.0
157	129.7	61.5	184.4

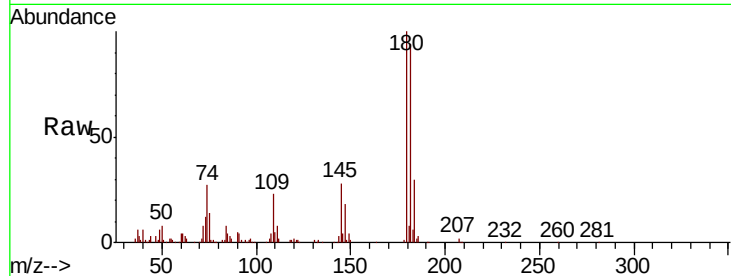




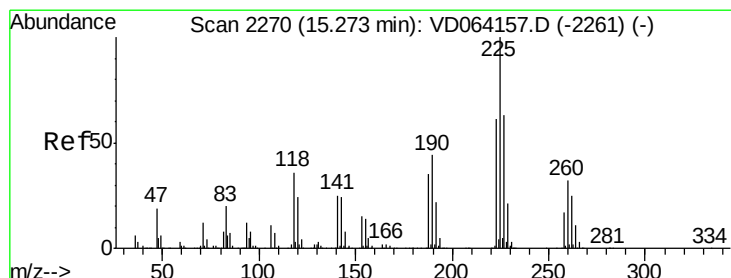
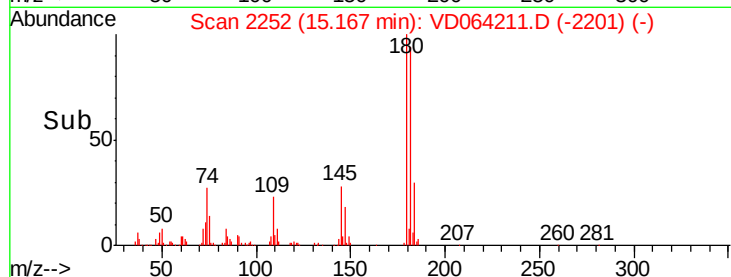
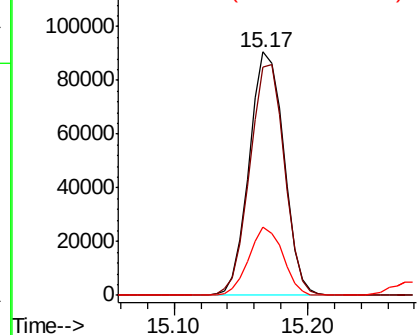
#93
 1,2,4-Trichlorobenzene
 Concen: 19.812 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.5
145	27.6	14.2	42.6

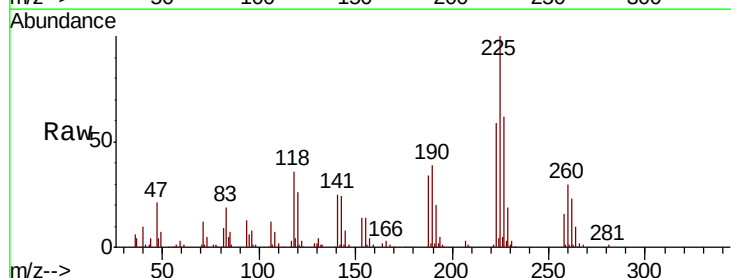


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

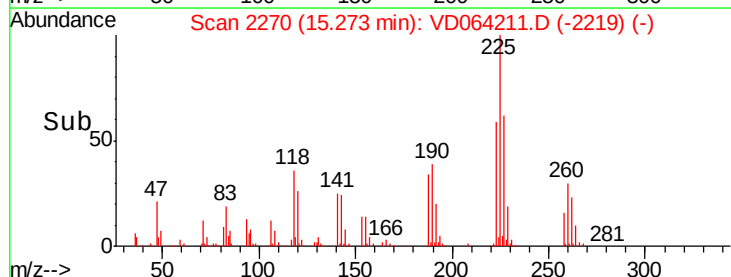
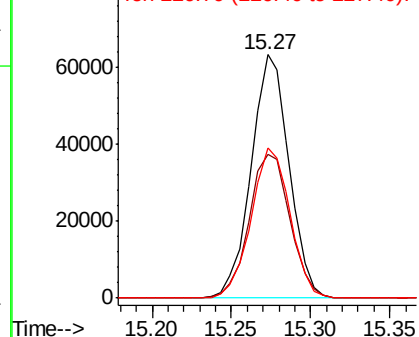


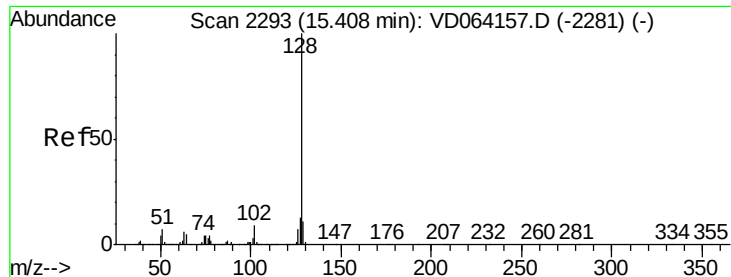
#94
 Hexachlorobutadiene
 Concen: 19.937 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD064211.D
 Acq: 14 Nov 2019 13:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.1	93.3
227	63.2	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

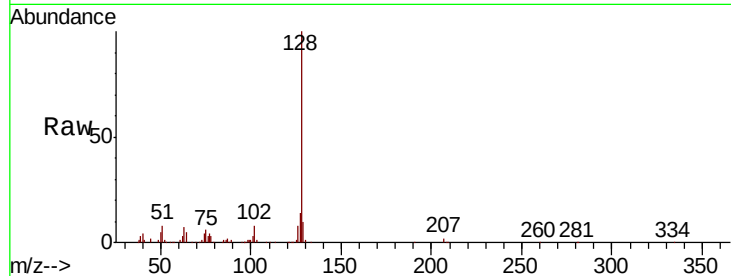




#95
Naphthalene
Concen: 20.874 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	11.0	8.6	13.0

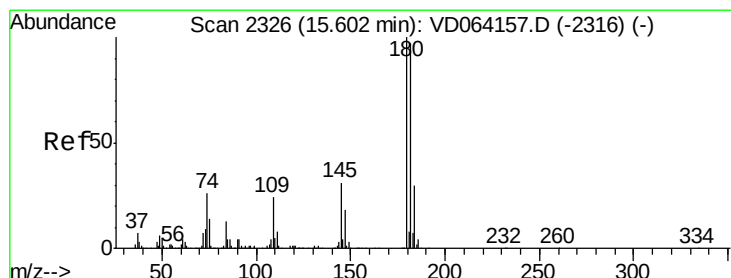
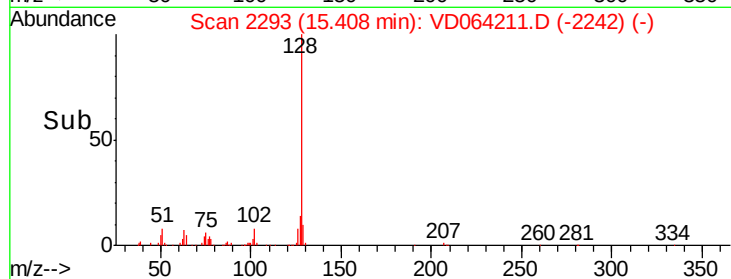
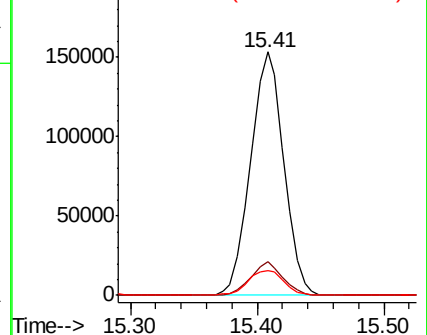


Abundance

Ion 128.00 (127.70 to 128.70): V

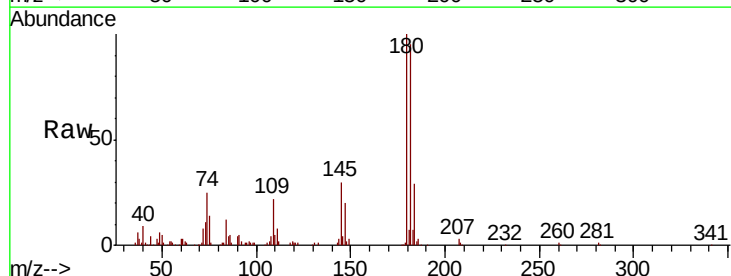
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.104 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD064211.D
Acq: 14 Nov 2019 13:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.3	144.9
145	30.5	15.3	45.8



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

