

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111519\
 Data File : VD064238.D
 Acq On : 15 Nov 2019 20:22
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 18 00:40:56 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	584072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	862157	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	767373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	377578	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	256575	53.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.82%	
35) Dibromofluoromethane	7.92	113	258425	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	
50) Toluene-d8	10.34	98	930066	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
62) 4-Bromofluorobenzene	12.64	95	323293	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	233247	48.151	ug/l	97
3) Chloromethane	2.21	50	284748	54.802	ug/l	99
4) Vinyl Chloride	2.35	62	328145	59.057	ug/l	98
5) Bromomethane	2.77	94	233904	66.666	ug/l	97
6) Chloroethane	2.92	64	230141	64.821	ug/l	99
7) Trichlorofluoromethane	3.27	101	560569	62.226	ug/l	98
8) Diethyl Ether	3.70	74	148532	59.965	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	262132	50.910	ug/l	98
10) Methyl Iodide	4.29	142	310095	52.647	ug/l	99
11) Tert butyl alcohol	5.25	59	96595	287.902	ug/l	97
12) 1,1-Dichloroethene	4.06	96	257141	52.394	ug/l	96
13) Acrolein	3.93	56	91926	323.870	ug/l	99
14) Allyl chloride	4.71	41	440183	50.727	ug/l	97
15) Acrylonitrile	5.43	53	315258	298.547	ug/l	99
16) Acetone	4.17	43	235628	207.057	ug/l	99
17) Carbon Disulfide	4.40	76	765214	50.066	ug/l	99
18) Methyl Acetate	4.73	43	181331	57.051	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	681066	58.130	ug/l	96
20) Methylene Chloride	4.96	84	303148	52.737	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	297131	53.437	ug/l	99
22) Diisopropyl ether	6.37	45	904904	56.204	ug/l	98
23) Vinyl Acetate	6.31	43	2681719	298.807	ug/l	99
24) 1,1-Dichloroethane	6.27	63	520130	55.639	ug/l	99
25) 2-Butanone	7.23	43	397560	270.409	ug/l	100
26) 2,2-Dichloropropane	7.21	77	440851	48.087	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	344653	57.799	ug/l	94
28) Bromochloromethane	7.55	49	199190	61.202	ug/l	98
29) Tetrahydrofuran	7.57	42	258783	292.961	ug/l	97
30) Chloroform	7.71	83	554566	57.994	ug/l	98
31) Cyclohexane	7.99	56	441188	46.795	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	485086	52.979	ug/l	100
36) 1,1-Dichloropropene	8.11	75	401356	50.441	ug/l	100
37) Ethyl Acetate	7.30	43	183123	54.591	ug/l	99
38) Carbon Tetrachloride	8.10	117	436212	51.234	ug/l	98

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 Response via : Initial Calibration

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

39) Methylcyclohexane	9.36	83	488993	48.567	ug/l	97
40) Benzene	8.35	78	1156273	53.171	ug/l	99
41) Methacrylonitrile	7.53	41	107367	50.925	ug/l #	92
42) 1,2-Dichloroethane	8.43	62	351617	53.835	ug/l	99
43) Isopropyl Acetate	8.46	43	380937	55.116	ug/l	98
44) Trichloroethene	9.11	130	344935	52.849	ug/l	98
45) 1,2-Dichloropropane	9.39	63	290448	54.873	ug/l	98
46) Dibromomethane	9.48	93	163464	57.686	ug/l	99
47) Bromodichloromethane	9.67	83	435007	56.992	ug/l	98
48) Methyl methacrylate	9.46	41	181765	53.783	ug/l	96
49) 1,4-Dioxane	9.47	88	39423	1158.400	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	923820	278.729	ug/l	99
52) Toluene	10.41	92	755207	52.813	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	414456	54.199	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	482894	54.116	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	226046	58.804	ug/l	98
56) Ethyl methacrylate	10.67	69	302096	56.179	ug/l	97
57) 1,3-Dichloropropane	10.95	76	383273	57.170	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	572549	262.850	ug/l	100
59) 2-Hexanone	10.99	43	626129	265.533	ug/l	98
60) Dibromochloromethane	11.14	129	312612	58.281	ug/l	99
61) 1,2-Dibromoethane	11.25	107	224028	58.186	ug/l	98
64) Tetrachloroethene	10.88	164	288840	48.941	ug/l	93
65) Chlorobenzene	11.67	112	830157	53.200	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	328317	55.333	ug/l	99
67) Ethyl Benzene	11.75	91	1468288	52.019	ug/l	98
68) m/p-Xylenes	11.86	106	1122443	103.747	ug/l	99
69) o-Xylene	12.18	106	527547	52.576	ug/l	99
70) Styrene	12.20	104	936486	53.467	ug/l	99
71) Bromoform	12.37	173	193682	57.357	ug/l #	98
73) Isopropylbenzene	12.48	105	1399887	50.512	ug/l	99
74) N-amyl acetate	12.30	43	342912	52.396	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	232906	55.772	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	313046	102.933	ug/l #	100
77) Bromobenzene	12.77	156	364458	54.130	ug/l	98
78) n-propylbenzene	12.83	91	1599945	50.529	ug/l	99
79) 2-Chlorotoluene	12.91	91	901464	50.427	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1159092	50.898	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	77547	50.649	ug/l	99
82) 4-Chlorotoluene	13.01	91	970344	52.041	ug/l	100
83) tert-Butylbenzene	13.23	119	1005560	50.077	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1157541	51.486	ug/l	100
85) sec-Butylbenzene	13.41	105	1337488	49.592	ug/l	99
86) p-Isopropyltoluene	13.53	119	1288035	50.235	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	664421	53.161	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	658400	53.975	ug/l	99
89) n-Butylbenzene	13.85	91	1145970	49.471	ug/l	100
90) Hexachloroethane	14.12	117	242689	51.216	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	579371	54.768	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	40026	53.608	ug/l	97

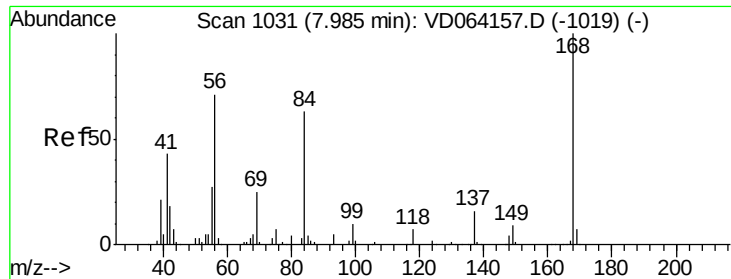
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	450510	55.206	ug/l	99
94) Hexachlorobutadiene	15.28	225	271036	51.421	ug/l	99
95) Naphthalene	15.41	128	756566	56.557	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	389433	56.141	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

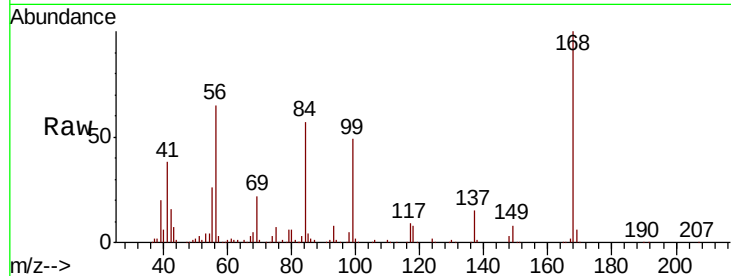
ClientSampleId :

Tot Ion:168 Resp: 584072

Ion Ratio Lower Upper

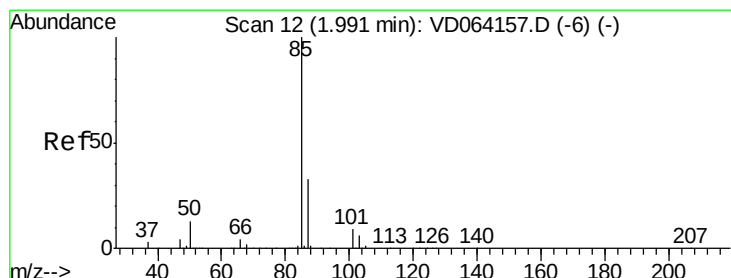
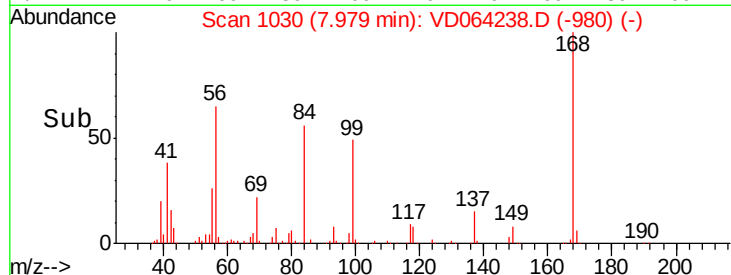
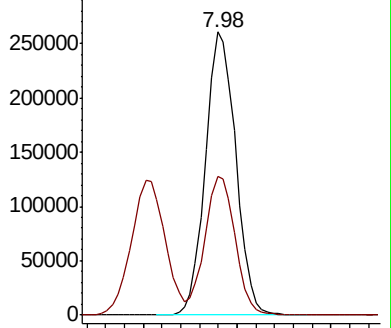
168 100

99 49.0 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 48.151 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064238.D

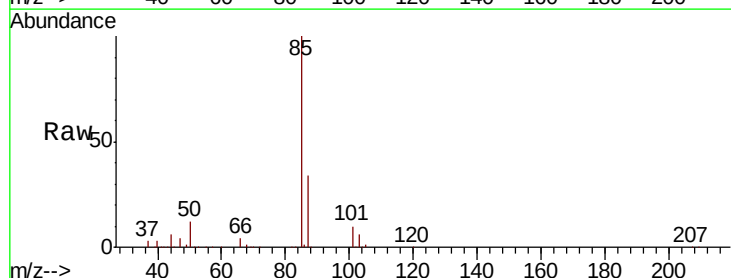
Acq: 15 Nov 2019 20:22

Tgt Ion: 85 Resp: 233247

Ion Ratio Lower Upper

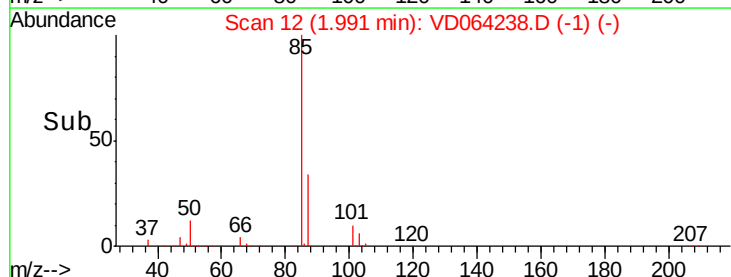
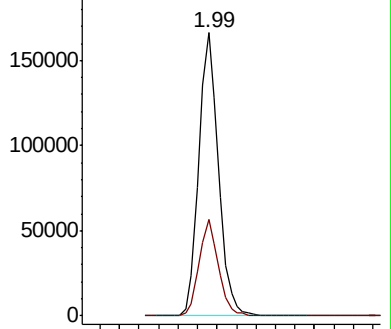
85 100

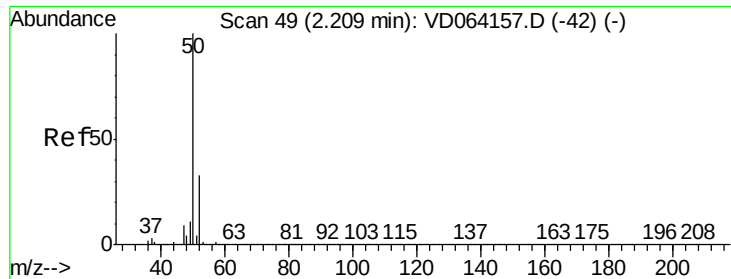
87 34.3 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 54.802 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

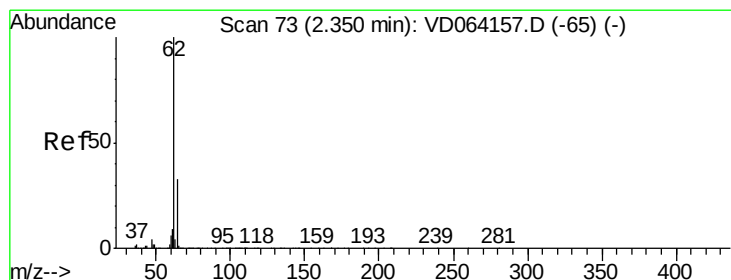
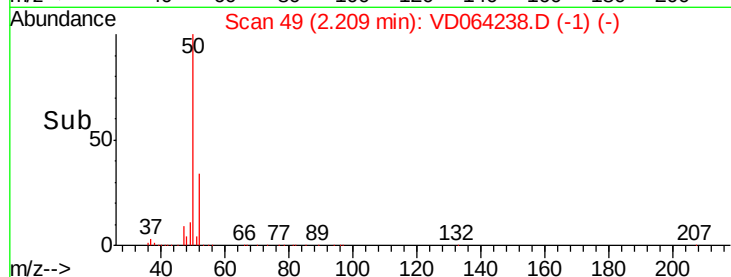
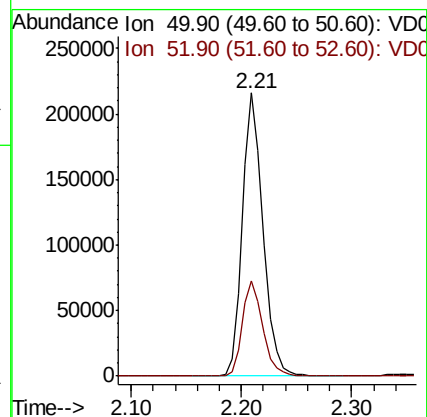
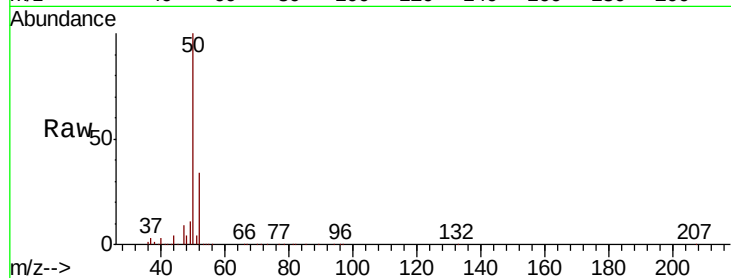
ClientSampleId :

Tot Ion: 50 Resp: 284748

Ion Ratio Lower Upper

50 100

52 33.5 26.2 39.4



#4

Vinyl Chloride

Concen: 59.057 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064238.D

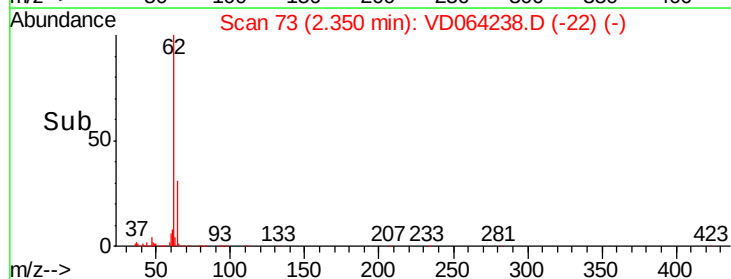
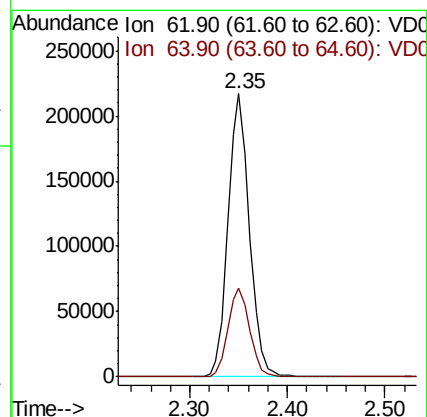
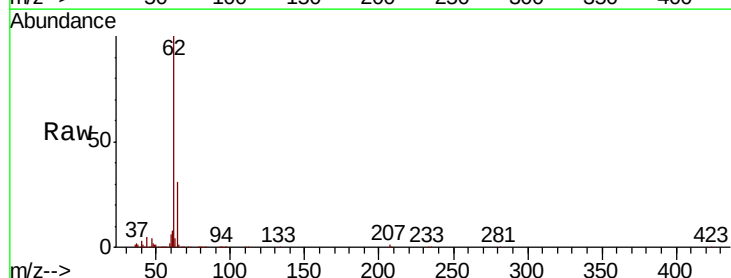
Acq: 15 Nov 2019 20:22

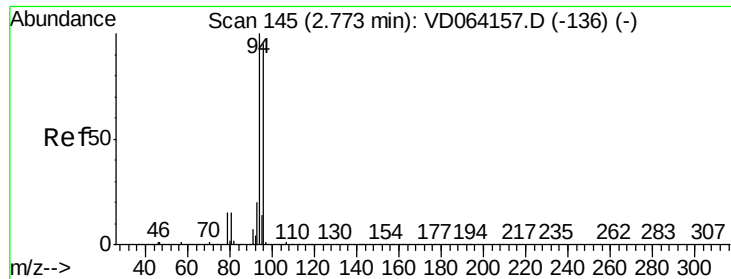
Tgt Ion: 62 Resp: 328145

Ion Ratio Lower Upper

62 100

64 31.3 26.2 39.2





#5

Bromomethane

Concen: 66.666 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

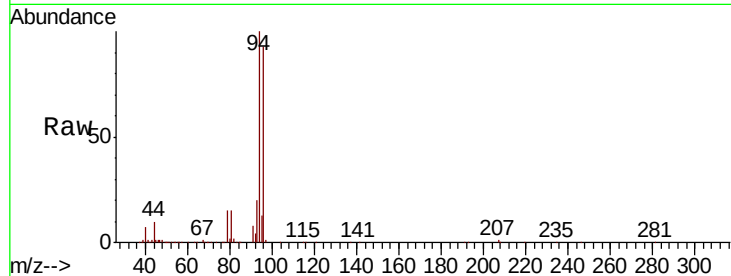
ClientSampleId :

Tot Ion: 94 Resp: 233904

Ion Ratio Lower Upper

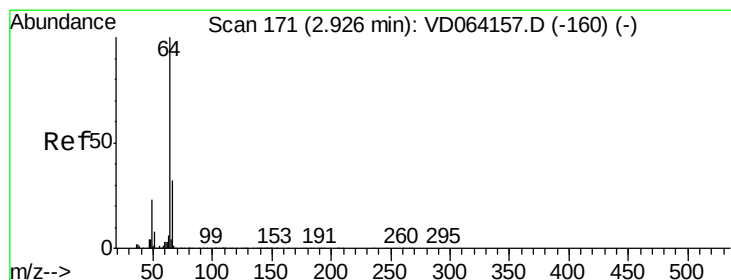
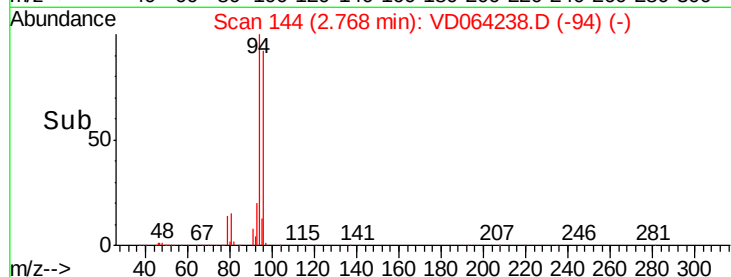
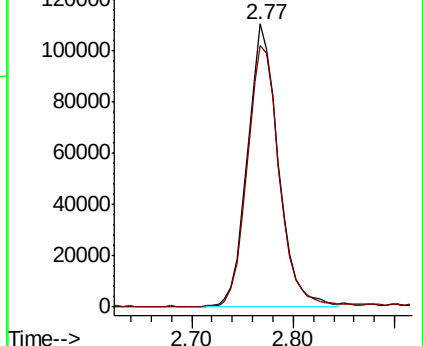
94 100

96 92.2 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: 64.821 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064238.D

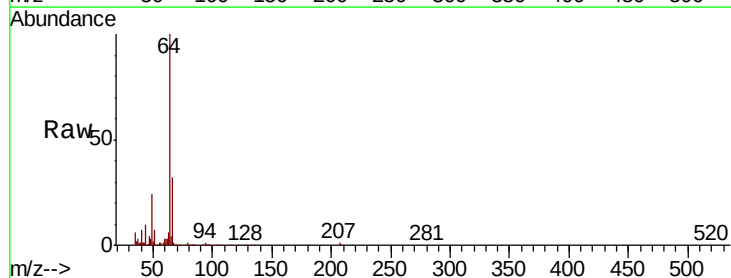
Acq: 15 Nov 2019 20:22

Tgt Ion: 64 Resp: 230141

Ion Ratio Lower Upper

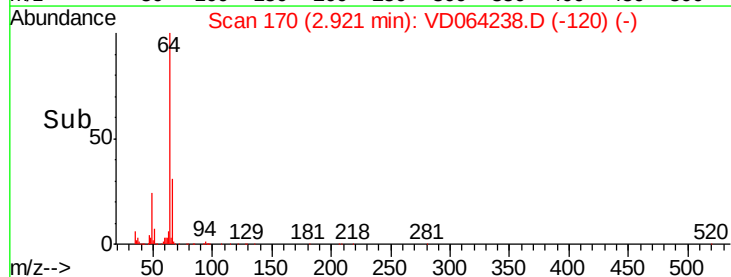
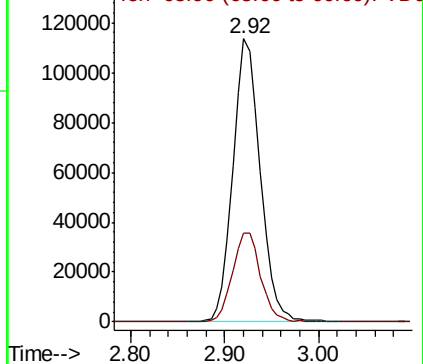
64 100

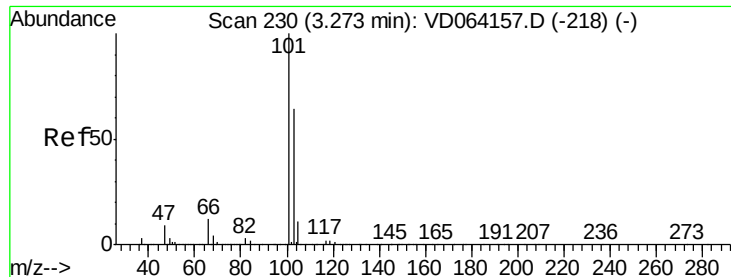
66 31.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



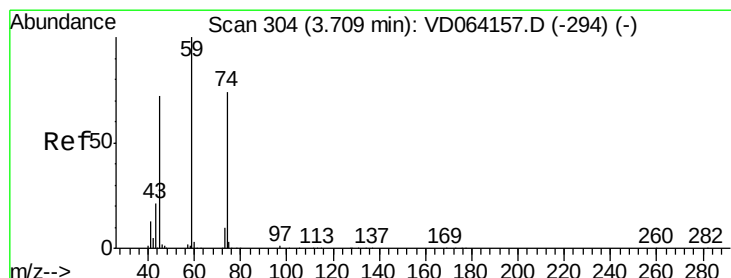
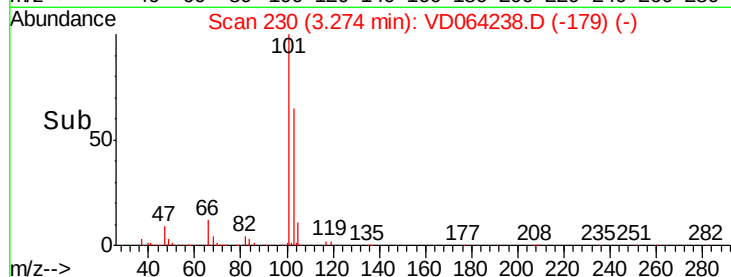
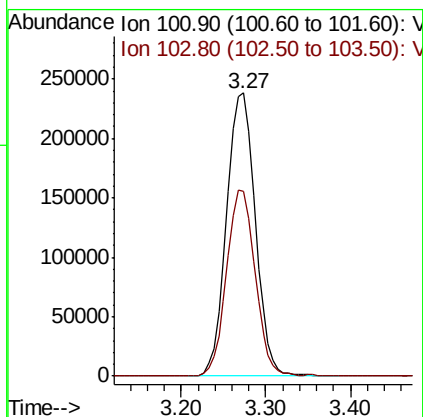
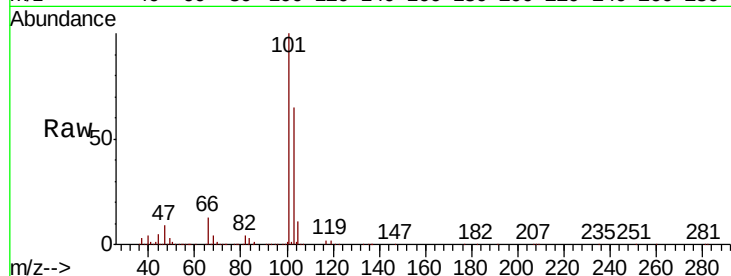


#7

Trichlorofluoromethane
Concen: 62.226 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :

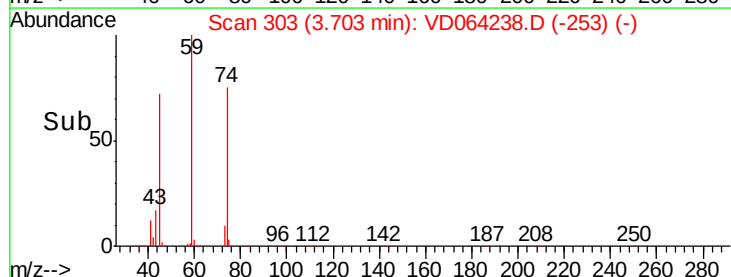
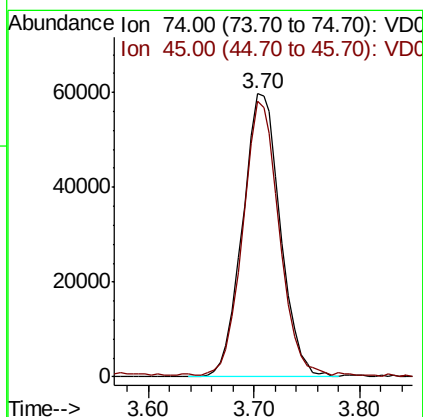
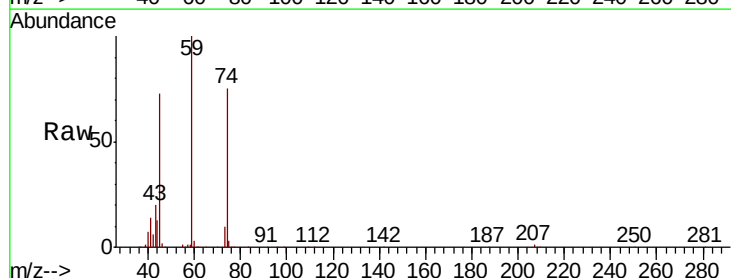
Tot Ion:101 Resp: 560569
Ion Ratio Lower Upper
101 100
103 65.2 50.8 76.2

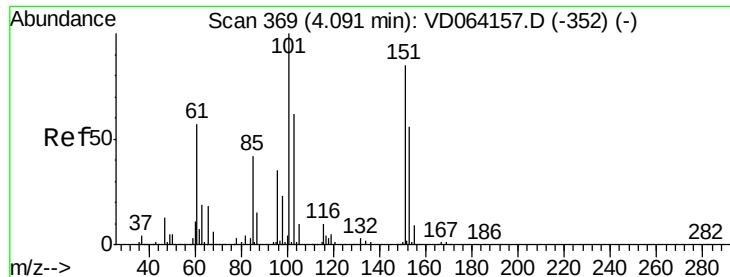


#8

Diethyl Ether
Concen: 59.965 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion: 74 Resp: 148532
Ion Ratio Lower Upper
74 100
45 92.2 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.910 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

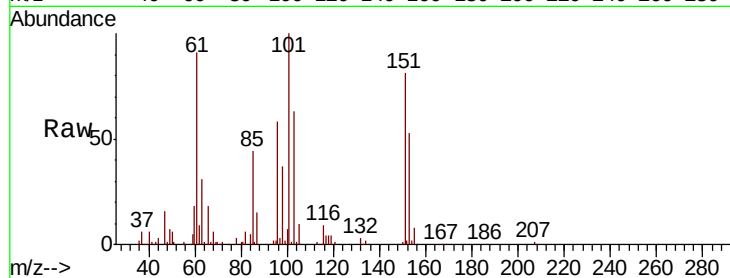
Tot Ion:101 Resp: 262132

Ion Ratio Lower Upper

101 100

85 43.8 34.4 51.6

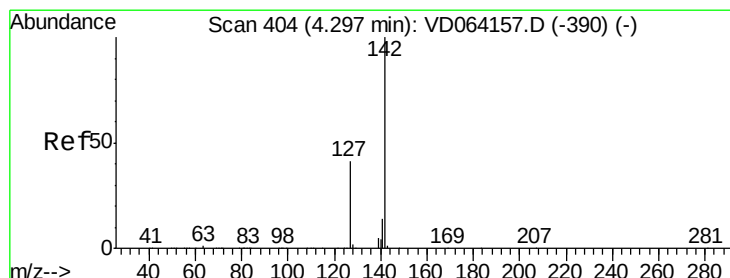
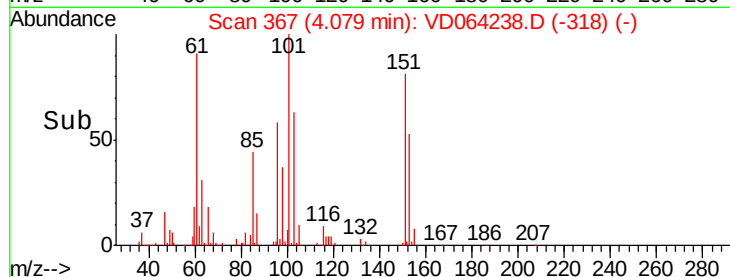
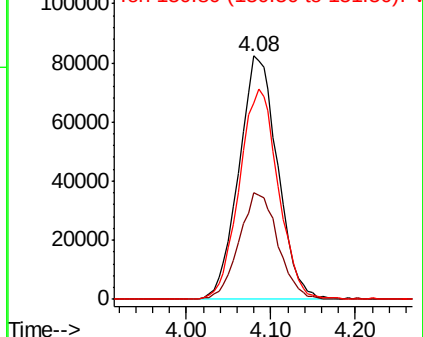
151 87.0 68.1 102.1



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: 52.647 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

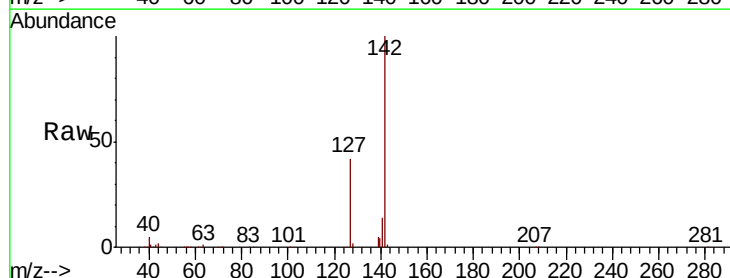
Tgt Ion:142 Resp: 310095

Ion Ratio Lower Upper

142 100

127 43.1 34.4 51.6

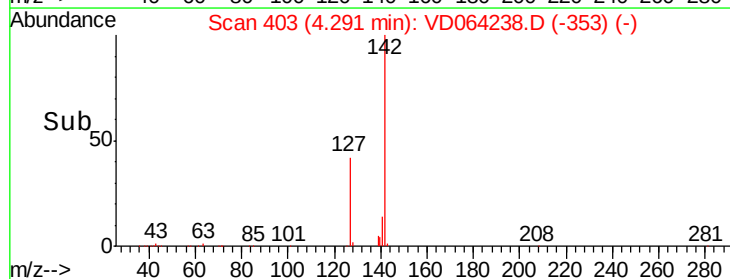
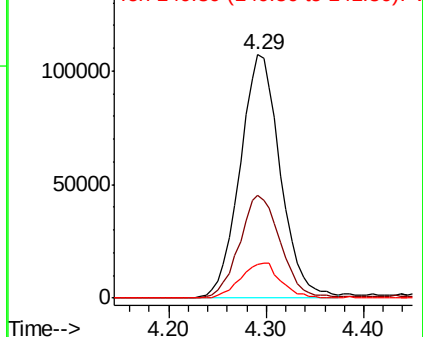
141 14.6 11.2 16.8

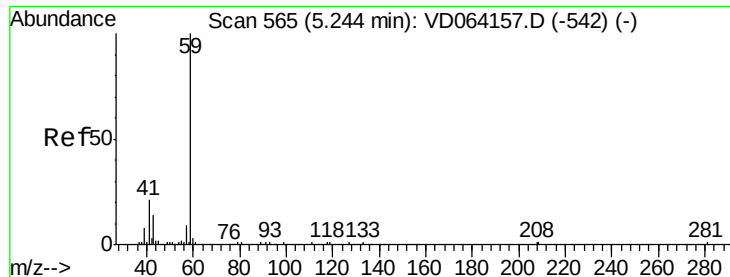


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



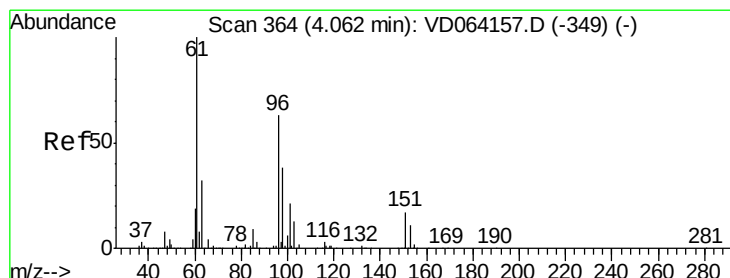
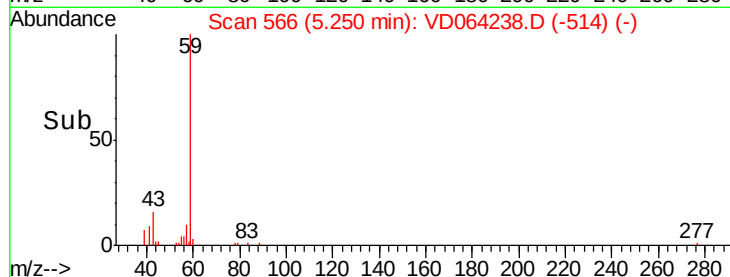
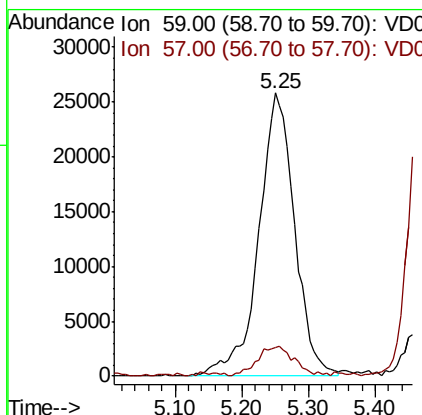
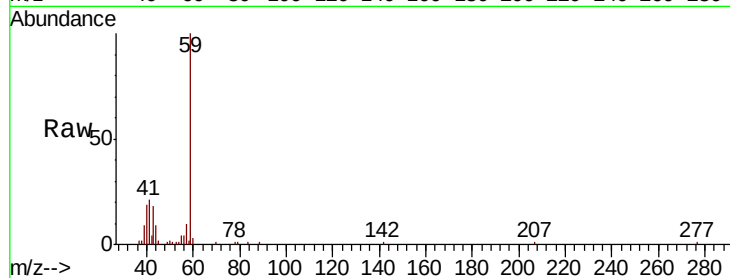


#11

Tert butyl alcohol
Concen: 287.902 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Instrument :
MSVOA_D
ClientSampled :

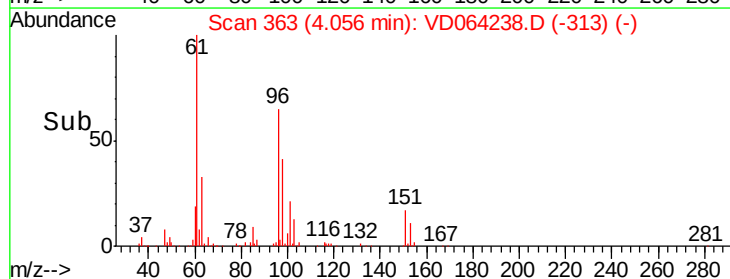
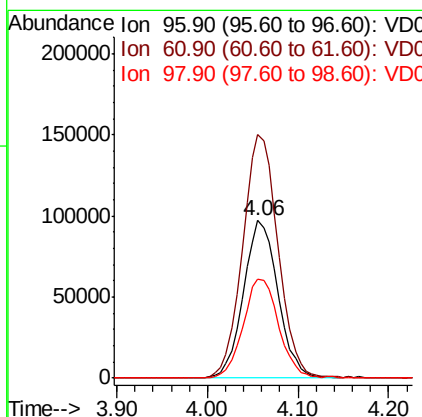
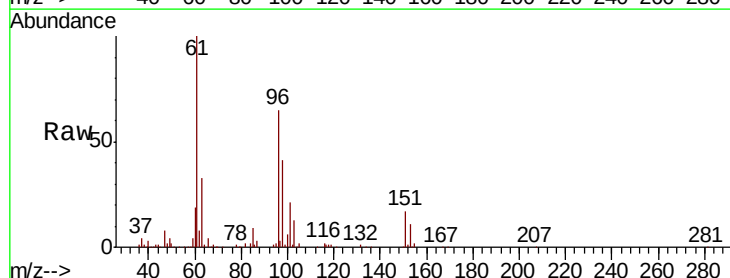
Tot Ion: 59 Resp: 96595
Ion Ratio Lower Upper
59 100
57 10.6 9.4 14.2

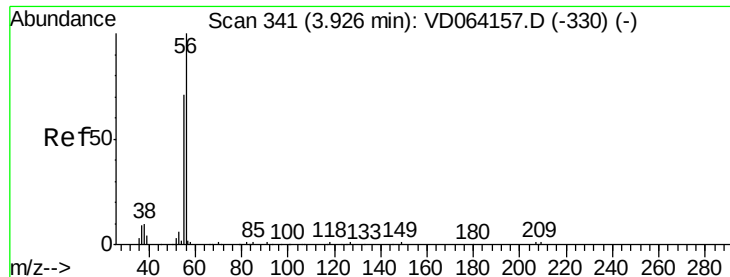


#12

1,1-Dichloroethene
Concen: 52.394 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion: 96 Resp: 257141
Ion Ratio Lower Upper
96 100
61 154.5 127.4 191.2
98 62.7 48.1 72.1

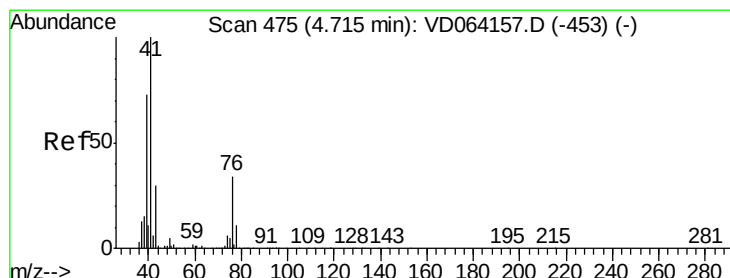
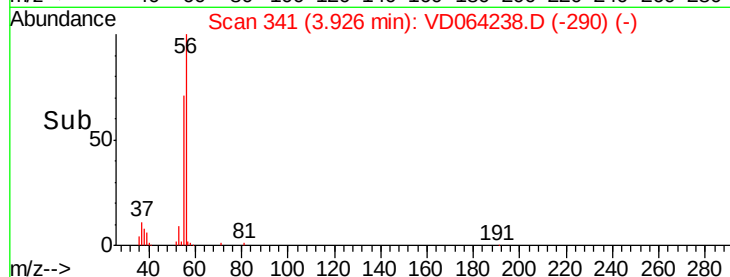
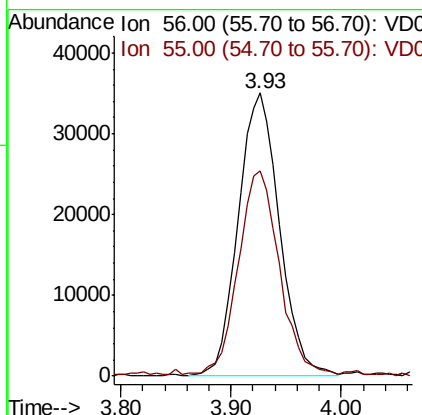
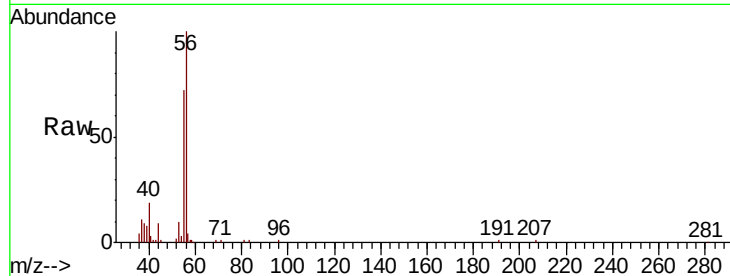




#13
Acrolein
Concen: 323.870 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

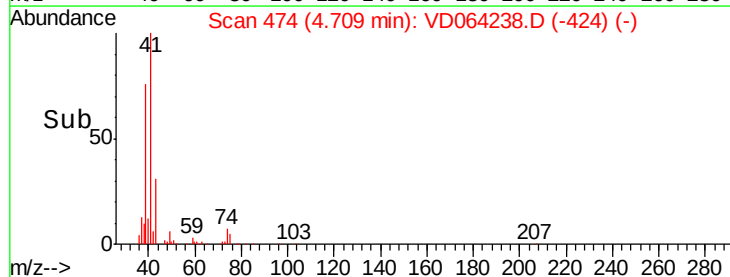
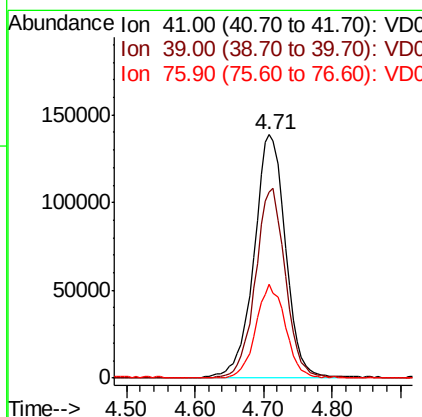
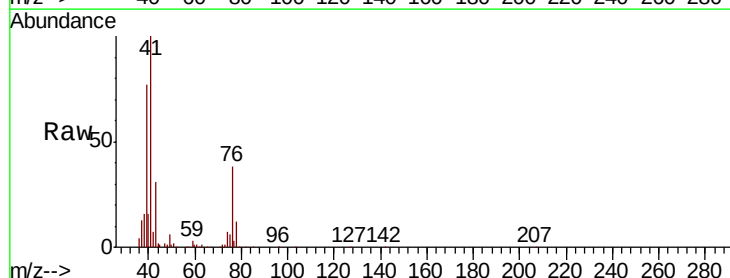
Instrument :
MSVOA_D
ClientSampleId :

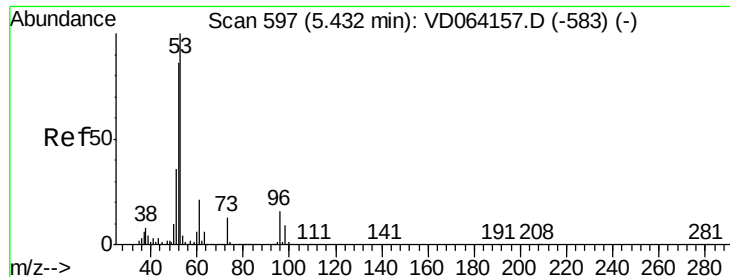
Tot Ion: 56 Resp: 91926
Ion Ratio Lower Upper
56 100
55 70.7 56.1 84.1



#14
Allyl chloride
Concen: 50.727 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion: 41 Resp: 440183
Ion Ratio Lower Upper
41 100
39 74.1 57.5 86.3
76 36.3 26.8 40.2





#15

Acrylonitrile

Concen: 298.547 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

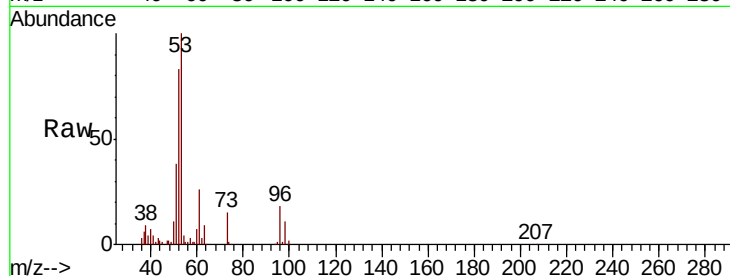
Tot Ion: 53 Resp: 315258

Ion Ratio Lower Upper

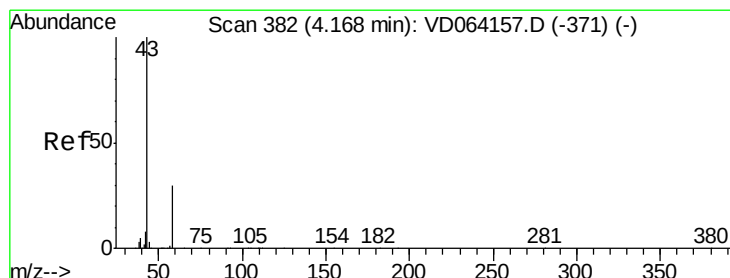
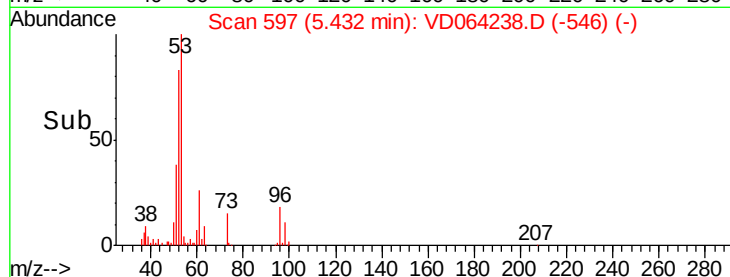
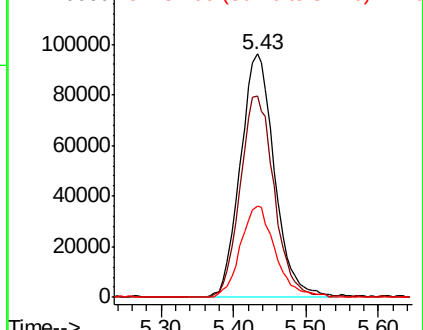
53 100

52 82.1 66.7 100.1

51 38.3 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: 207.057 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064238.D

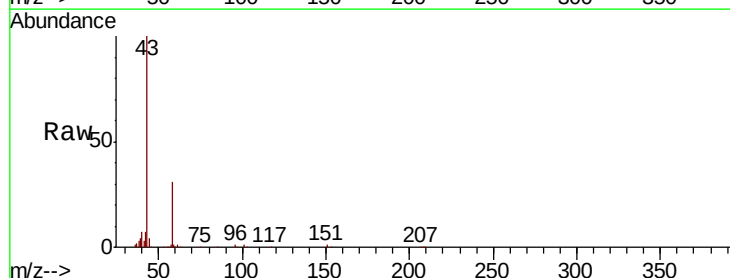
Acq: 15 Nov 2019 20:22

Tgt Ion: 43 Resp: 235628

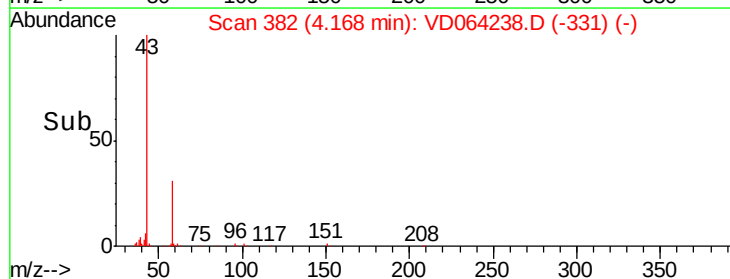
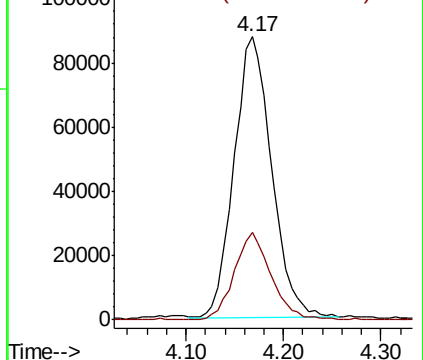
Ion Ratio Lower Upper

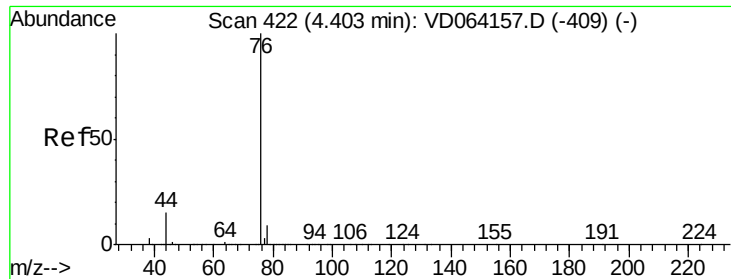
43 100

58 30.8 24.1 36.1



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

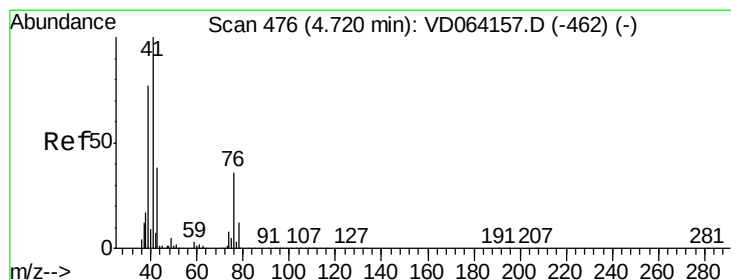
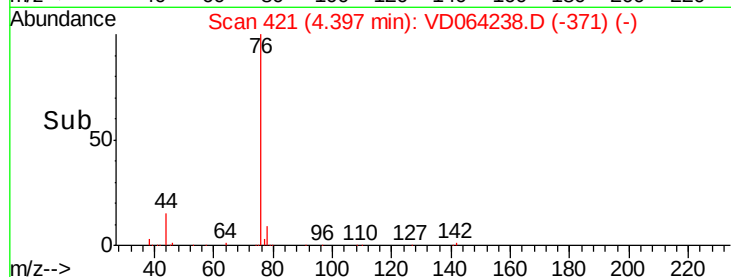
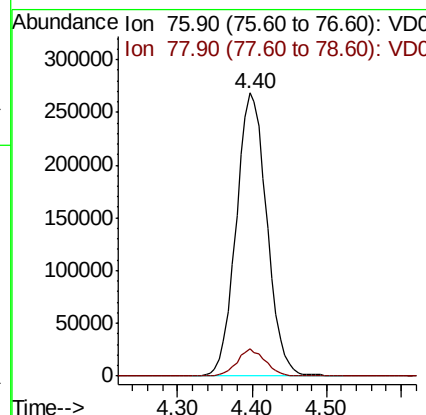
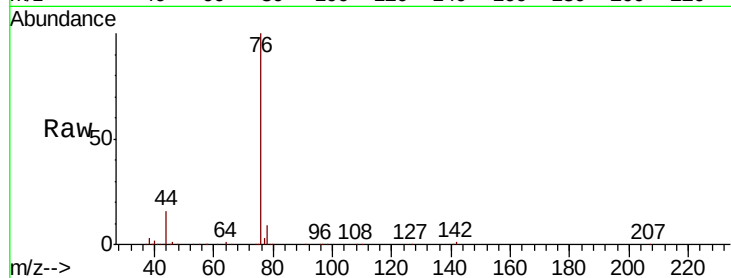




#17
Carbon Disulfide
Concen: 50.066 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

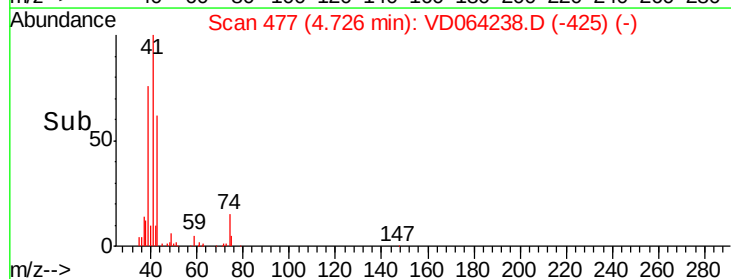
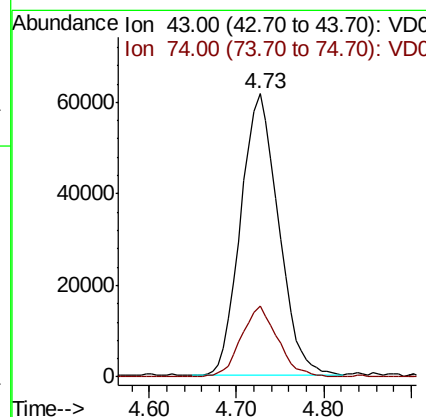
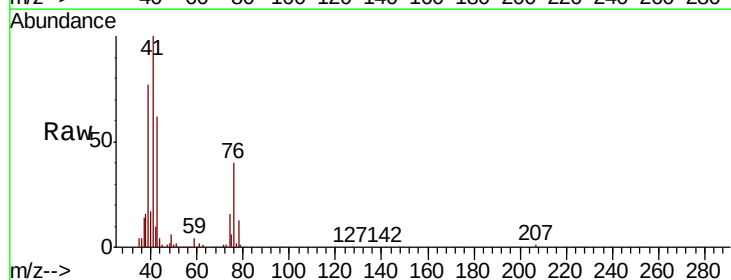
Instrument :
MSVOA_D
ClientSampleId :

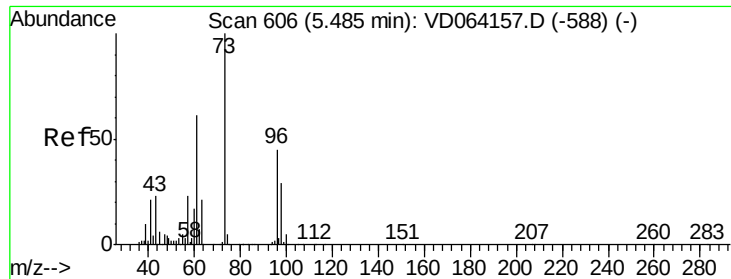
Tot Ion: 76 Resp: 765214
Ion Ratio Lower Upper
76 100
78 9.5 7.2 10.8



#18
Methyl Acetate
Concen: 57.051 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion: 43 Resp: 181331
Ion Ratio Lower Upper
43 100
74 24.2 18.4 27.6

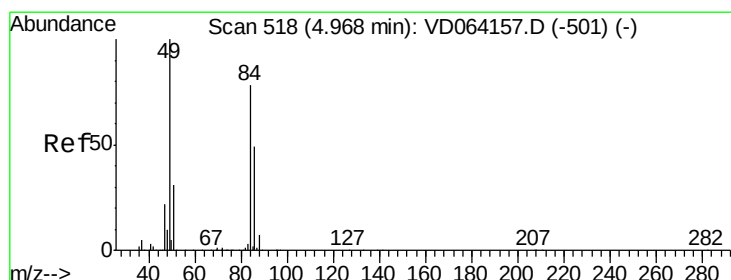
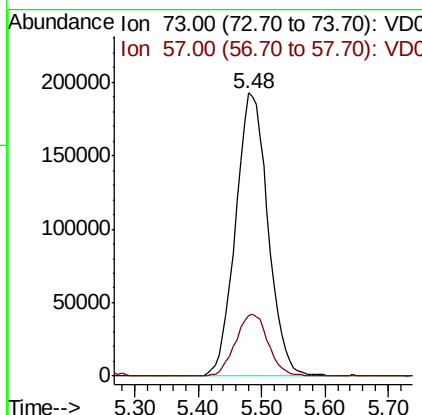
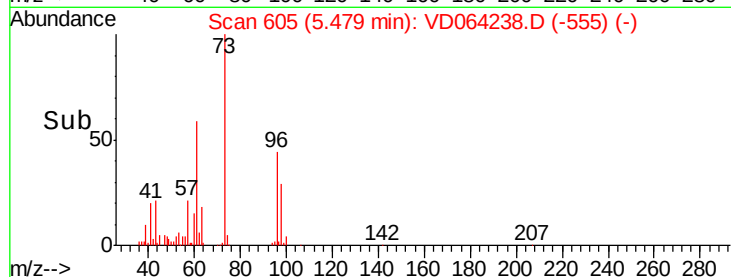
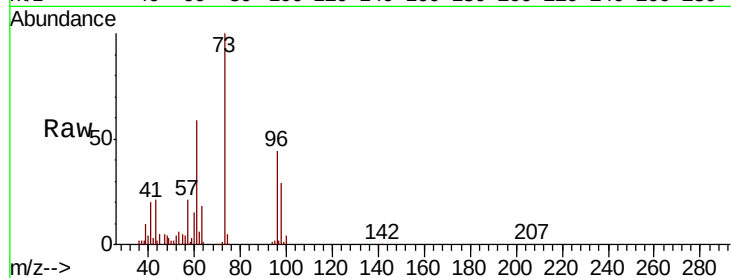




#19
Methyl tert-butyl Ether
Concen: 58.130 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

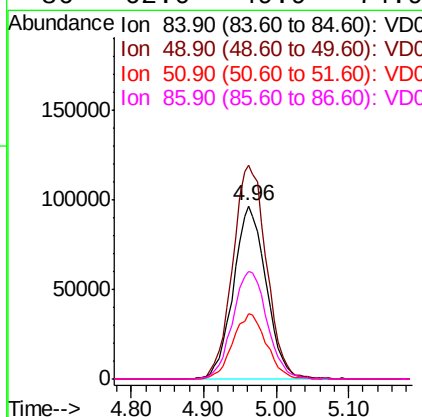
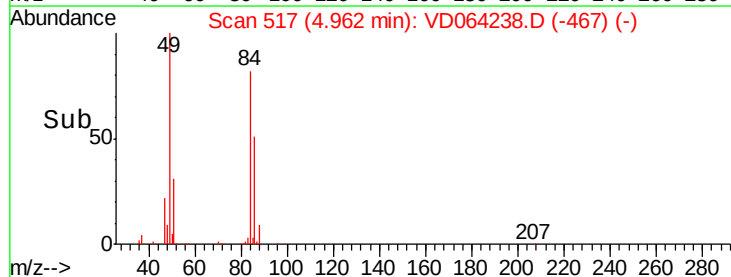
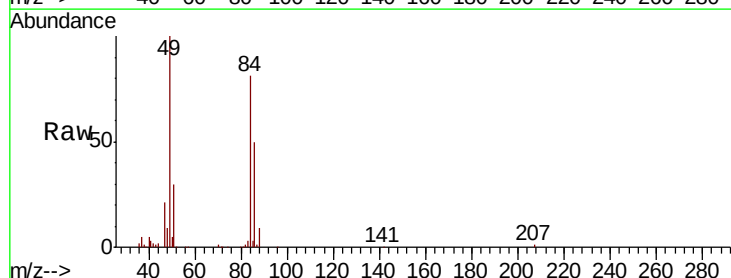
Instrument :
MSVOA_D
ClientSampled :

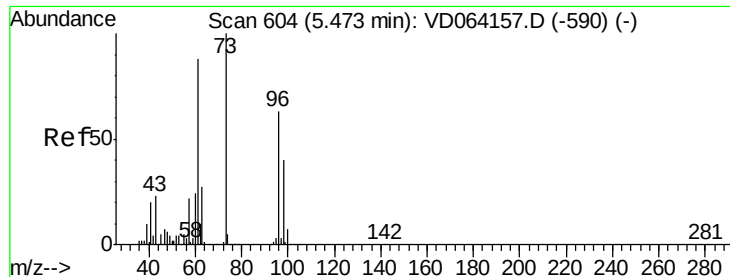
Tot Ion: 73 Resp: 681066
Ion Ratio Lower Upper
73 100
57 21.2 18.4 27.6



#20
Methylene Chloride
Concen: 52.737 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion: 84 Resp: 303148
Ion Ratio Lower Upper
84 100
49 123.2 102.1 153.1
51 37.5 32.2 48.2
86 62.0 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 53.437 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

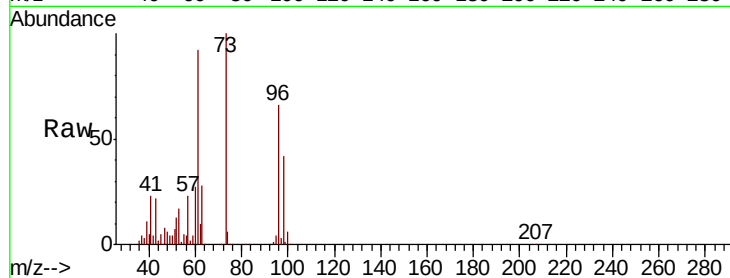
Tot Ion: 96 Resp: 297131

Ion Ratio Lower Upper

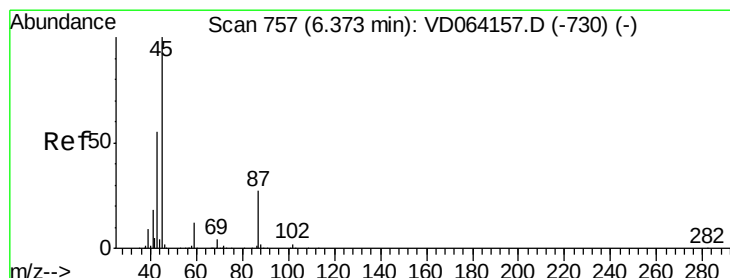
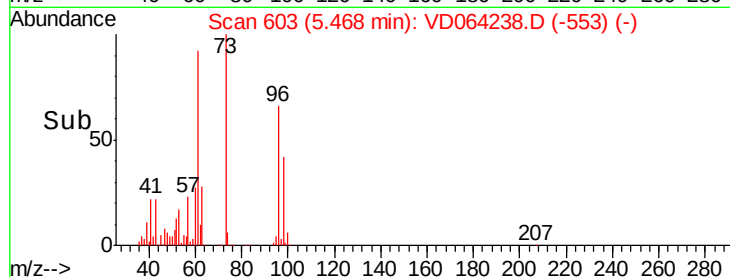
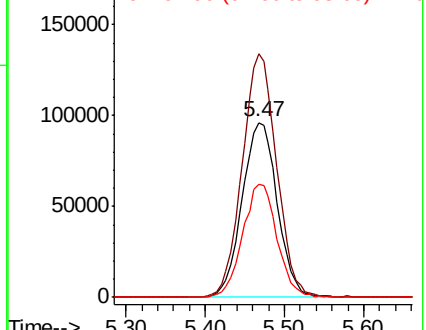
96 100

61 139.0 111.8 167.6

98 64.5 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: 56.204 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Tgt Ion: 45 Resp: 904904

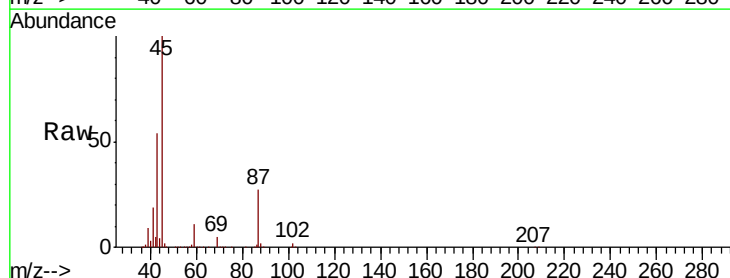
Ion Ratio Lower Upper

45 100

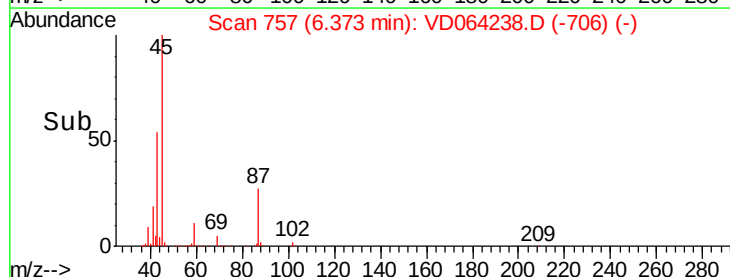
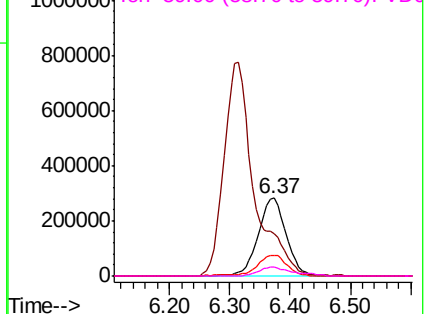
43 53.6 44.4 66.6

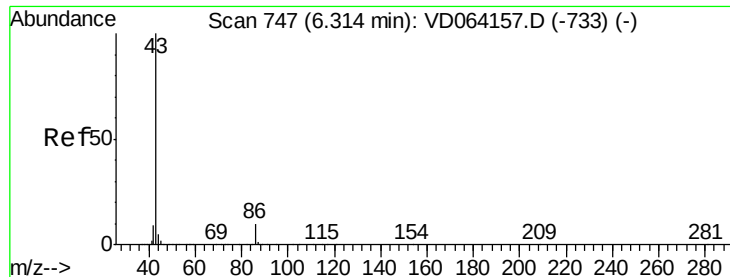
87 27.0 21.9 32.9

59 11.3 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: 298.807 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

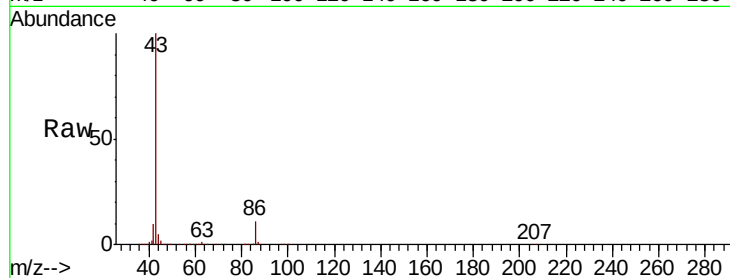
ClientSampleId :

Tot Ion: 43 Resp: 2681719

Ion Ratio Lower Upper

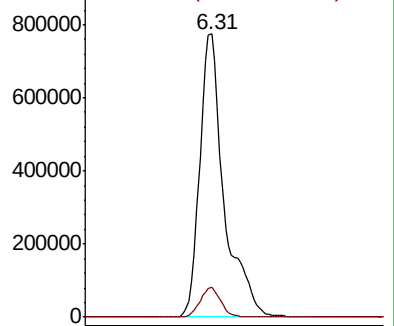
43 100

86 10.6 8.2 12.2

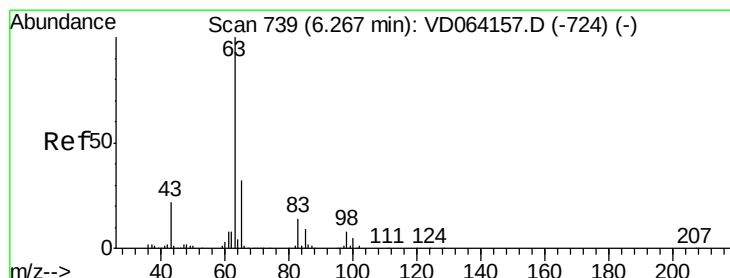
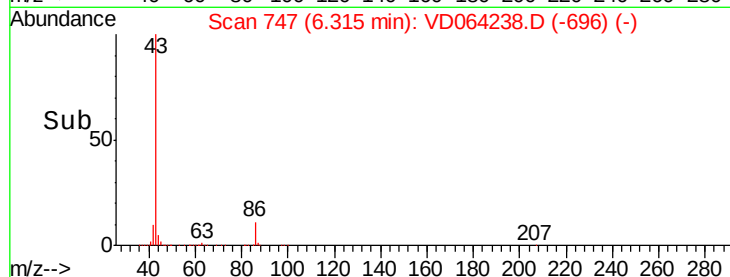


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 55.639 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

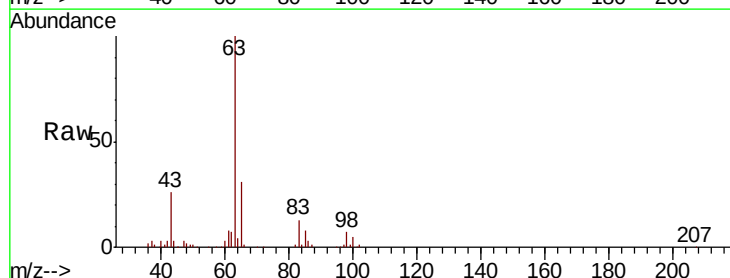
Tgt Ion: 63 Resp: 520130

Ion Ratio Lower Upper

63 100

98 6.9 3.8 11.4

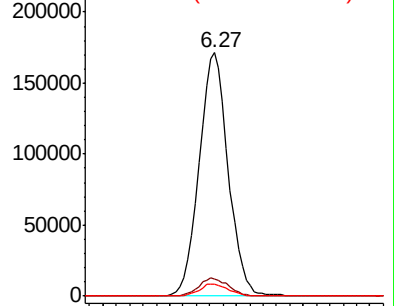
100 4.7 2.4 7.2



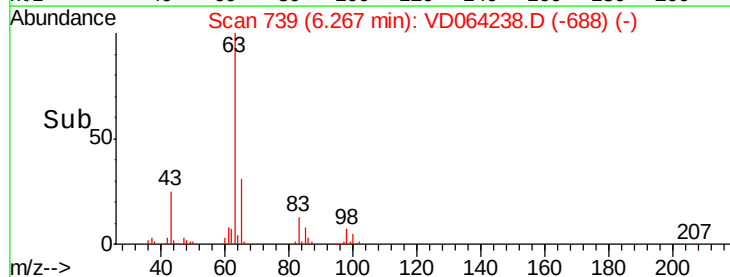
Abundance Ion 62.90 (62.60 to 63.60): VDC

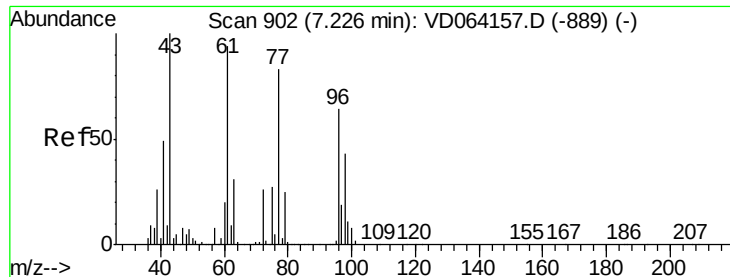
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time-->





#25

2-Butanone

Concen: 270.409 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

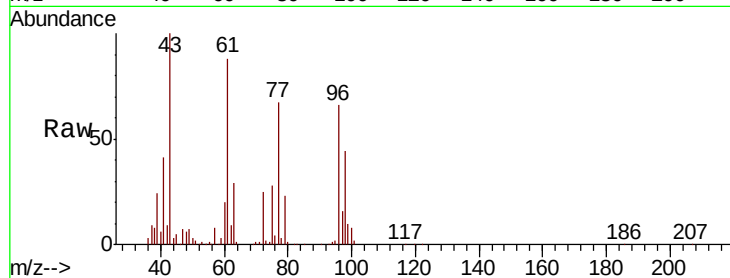
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 397560

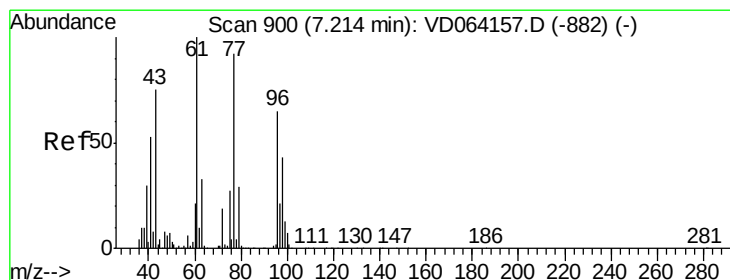
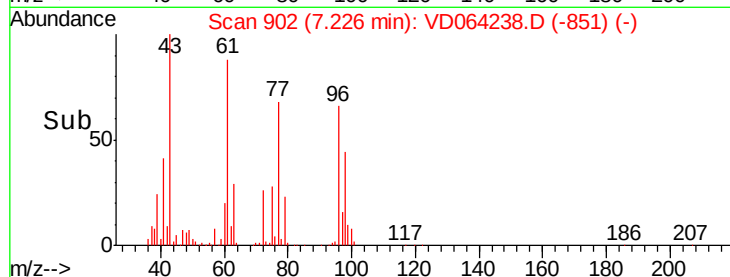
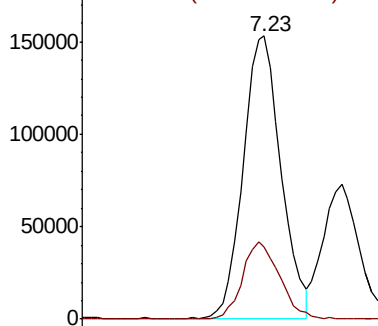
Ion Ratio Lower Upper

43 100

72 25.5 20.6 30.8



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



#26

2,2-Dichloropropane

Concen: 48.087 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064238.D

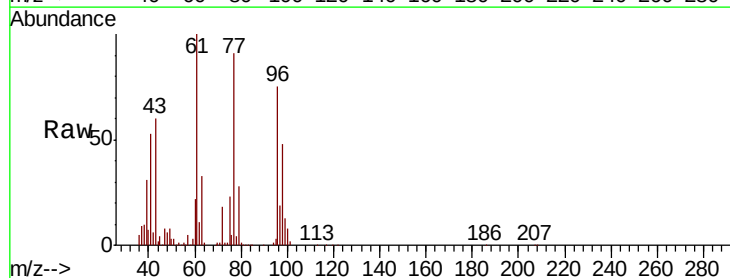
Acq: 15 Nov 2019 20:22

Tgt Ion: 77 Resp: 440851

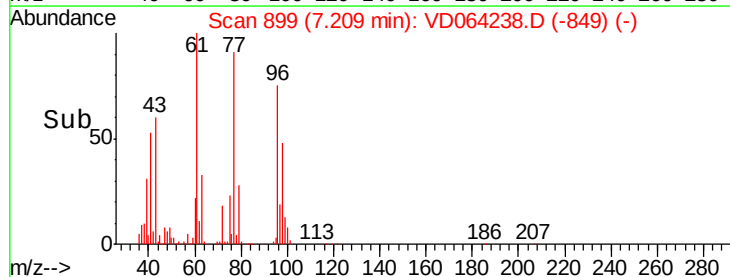
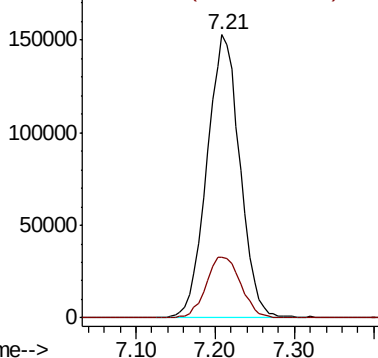
Ion Ratio Lower Upper

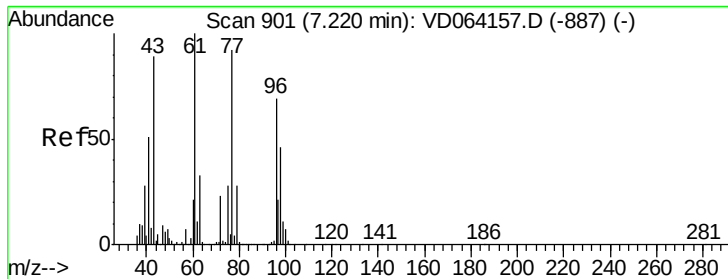
77 100

97 22.6 11.1 33.3



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



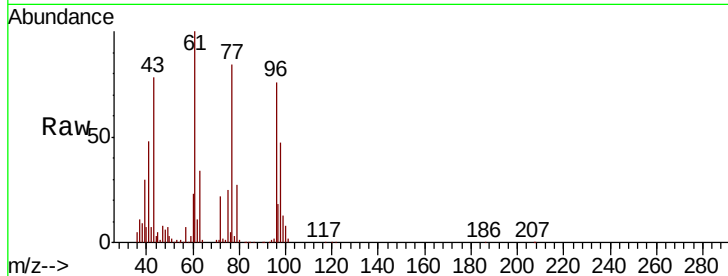


#27

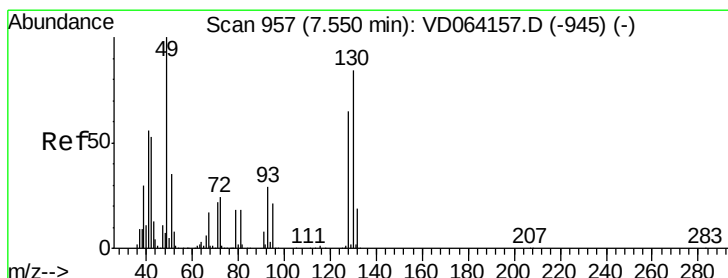
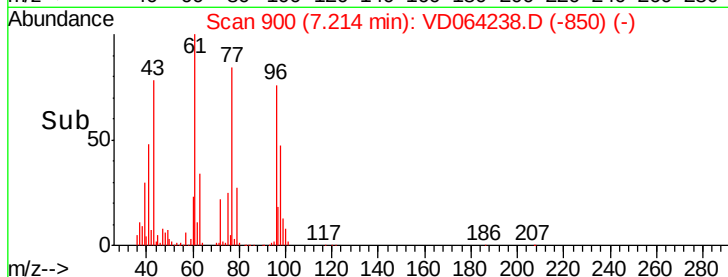
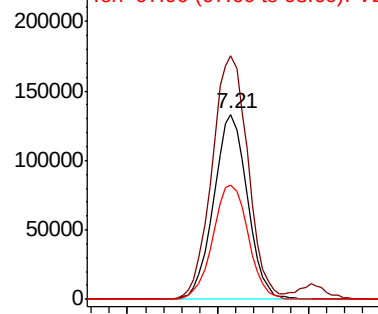
cis-1,2-Dichloroethene
 Concen: 57.799 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.4	0.0	301.4
98	64.9	0.0	133.2



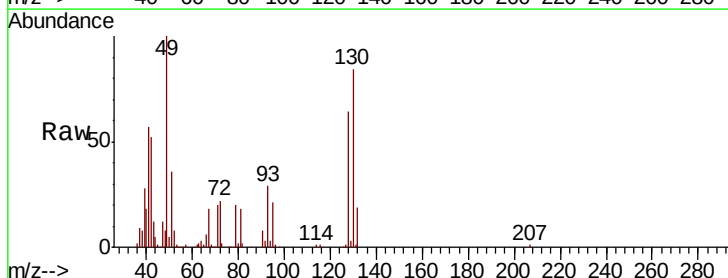
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



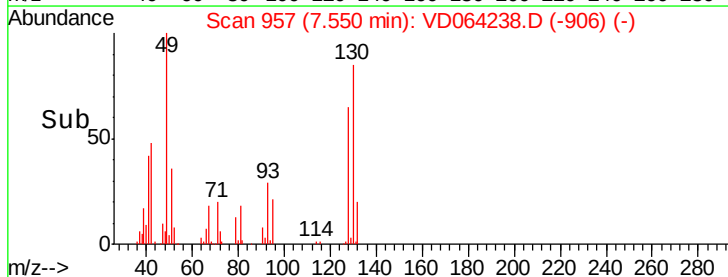
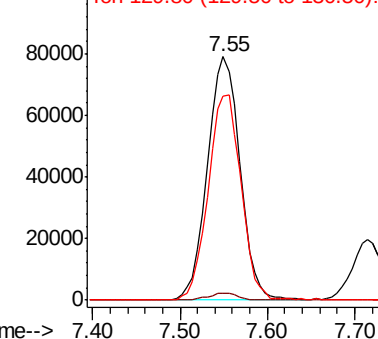
#28

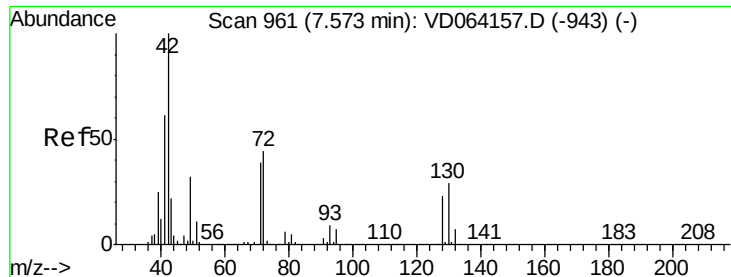
Bromochloromethane
 Concen: 61.202 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	84.9	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

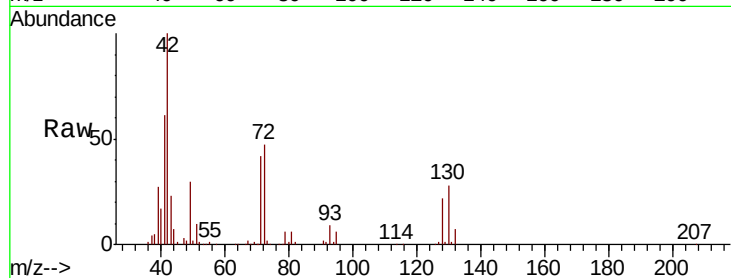




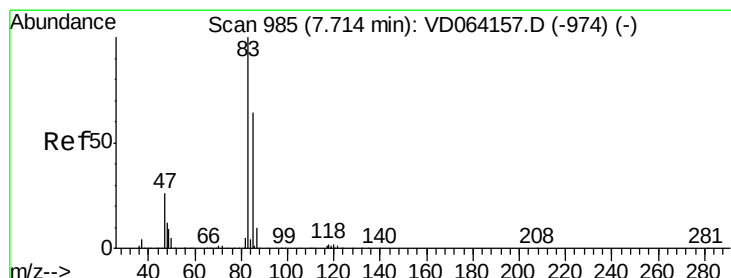
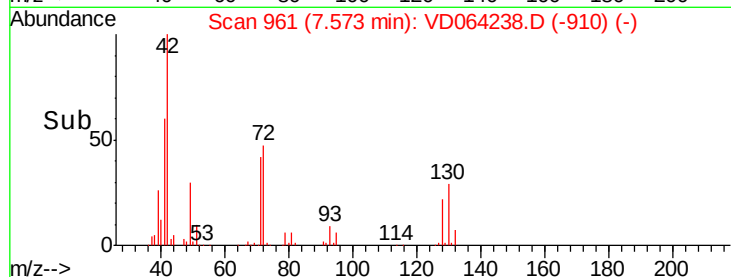
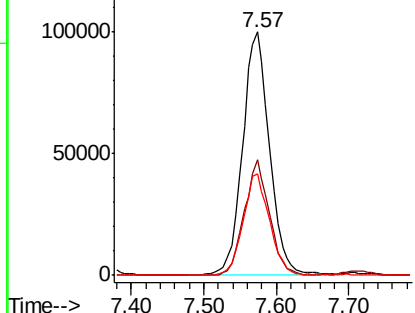
#29
Tetrahydrofuran
Concen: 292.961 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 258783
Ion Ratio Lower Upper
42 100
72 44.0 33.4 50.2
71 40.3 31.0 46.4

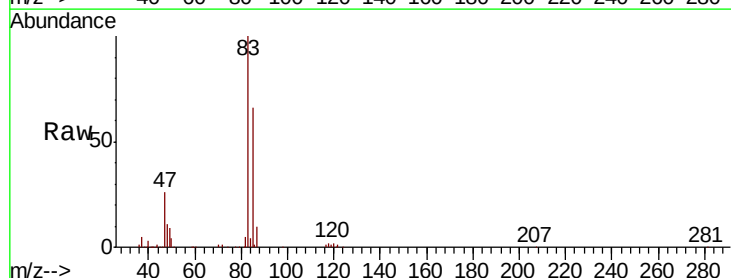


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

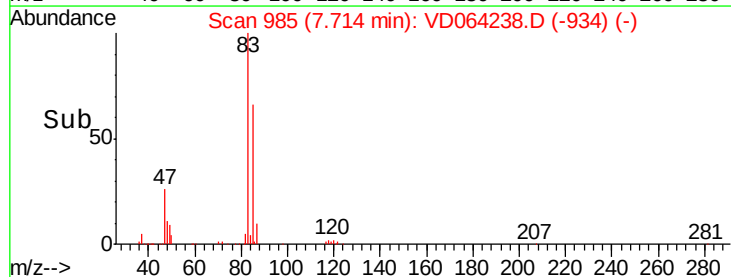
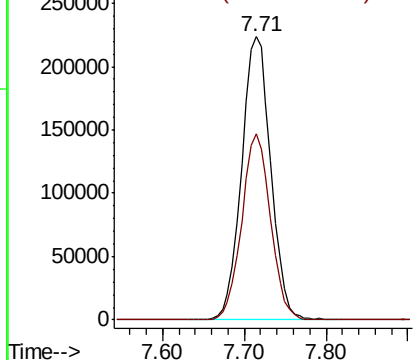


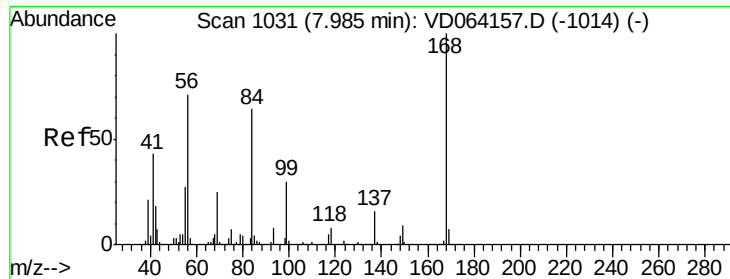
#30
Chloroform
Concen: 57.994 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion: 83 Resp: 554566
Ion Ratio Lower Upper
83 100
85 65.7 51.4 77.0



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

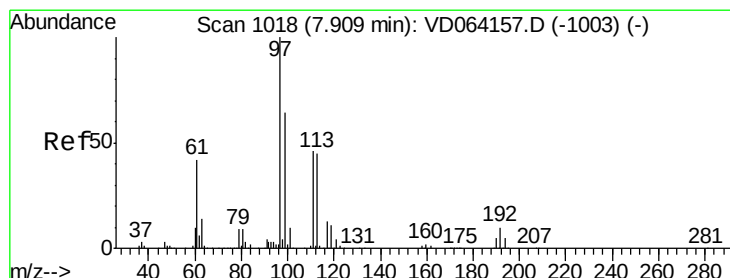
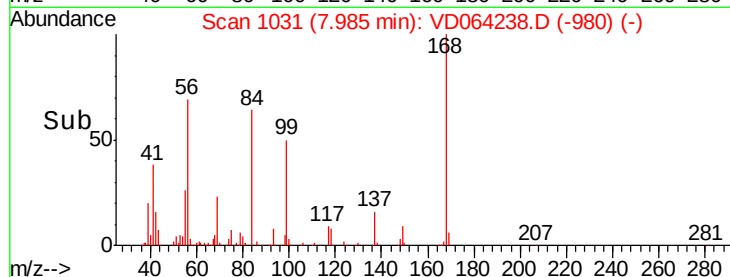
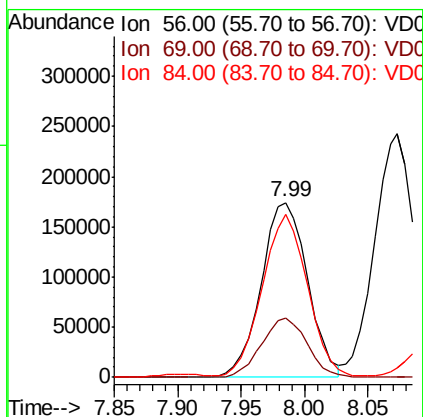
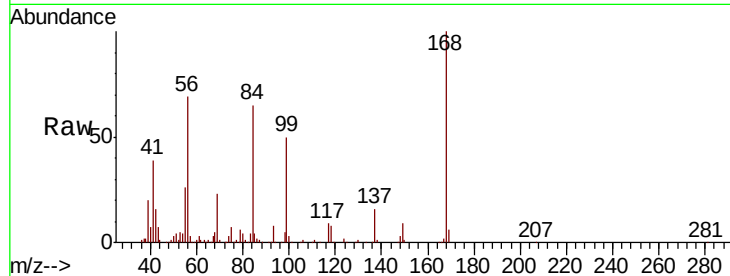




#31
Cyclohexane
Concen: 46.795 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

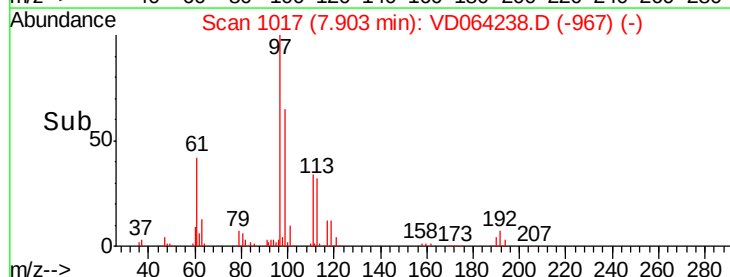
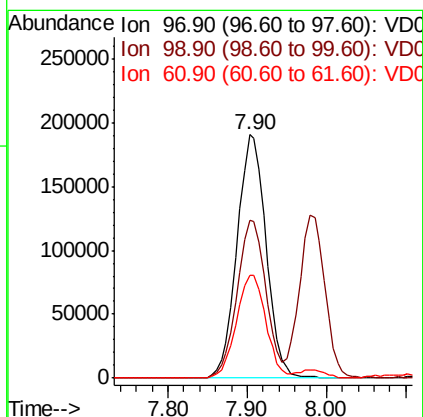
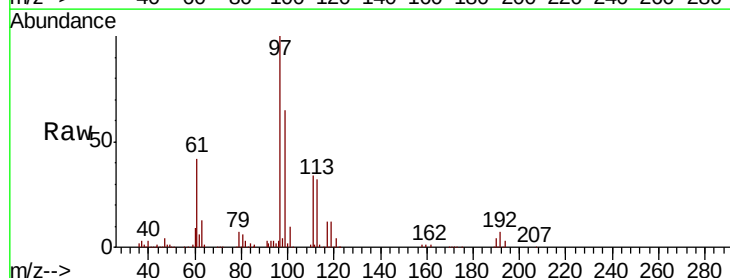
Instrument :
MSVOA_D
ClientSampled :

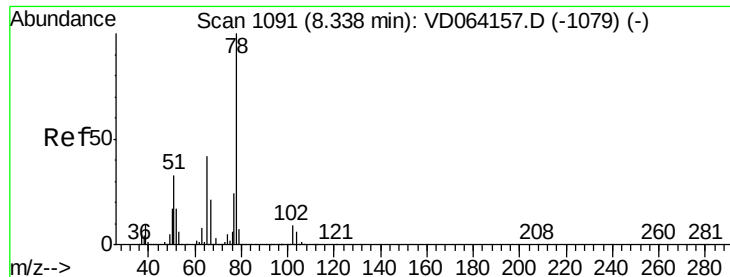
Tot Ion: 56 Resp: 441188
Ion Ratio Lower Upper
56 100
69 33.8 28.2 42.4
84 91.0 71.8 107.6



#32
1,1,1-Trichloroethane
Concen: 52.979 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion: 97 Resp: 485086
Ion Ratio Lower Upper
97 100
99 64.2 51.6 77.4
61 43.0 34.2 51.2

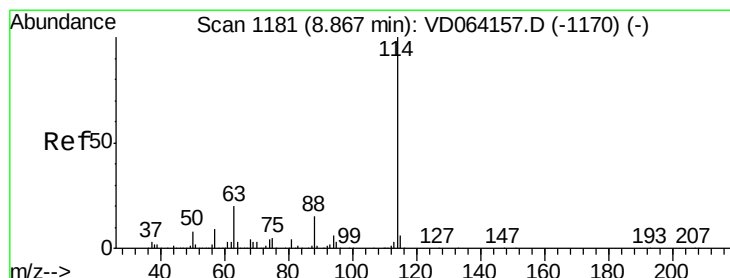
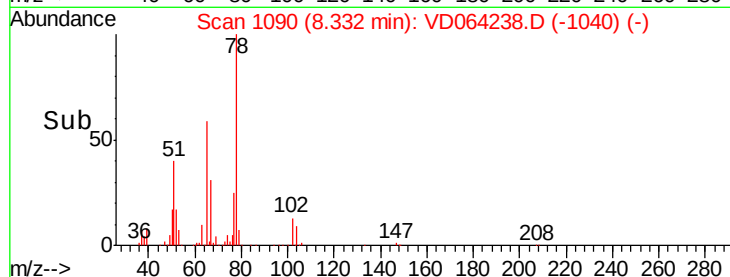
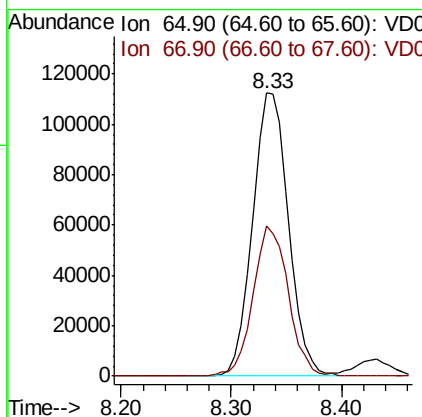
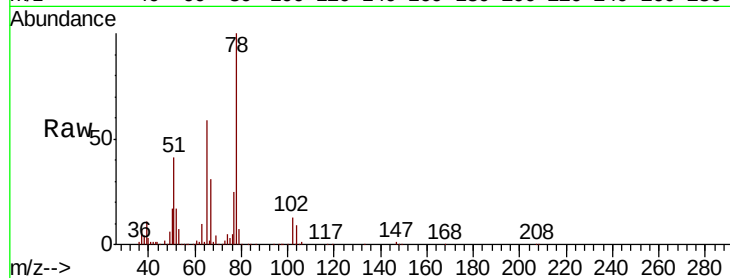




#33
 1,2-Dichloroethane-d4
 Concen: 53.413 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

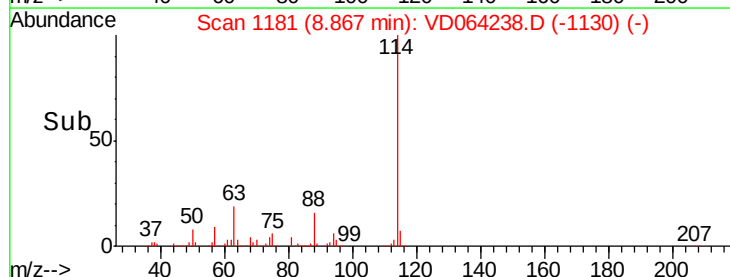
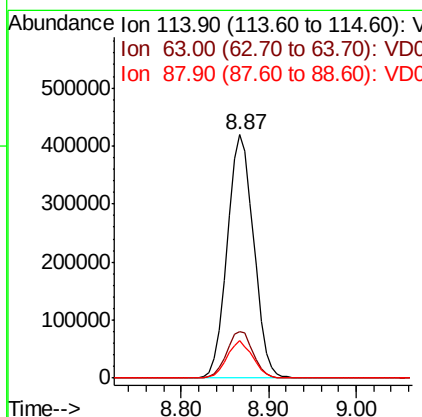
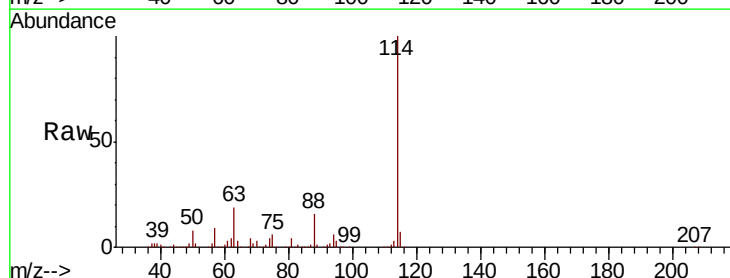
Instrument :
 MSVOA_D
 ClientSampled :

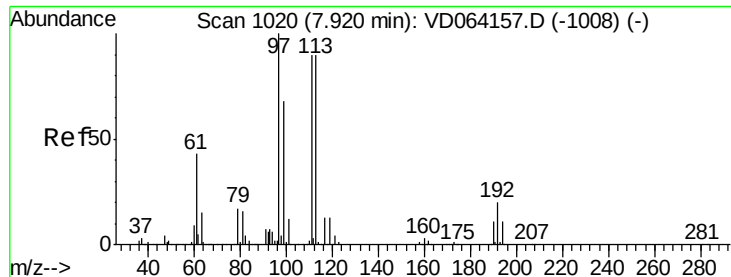
Tot Ion: 65 Resp: 256575
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Tgt Ion: 114 Resp: 862157
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.0
 88 15.5 0.0 30.2

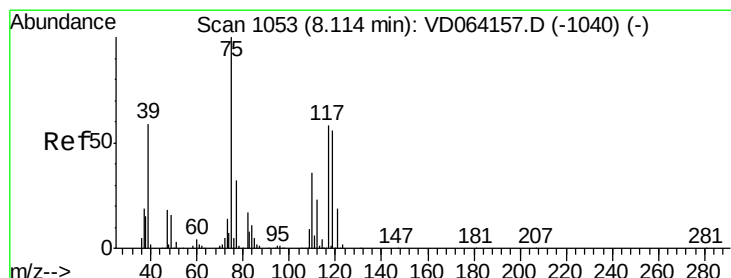
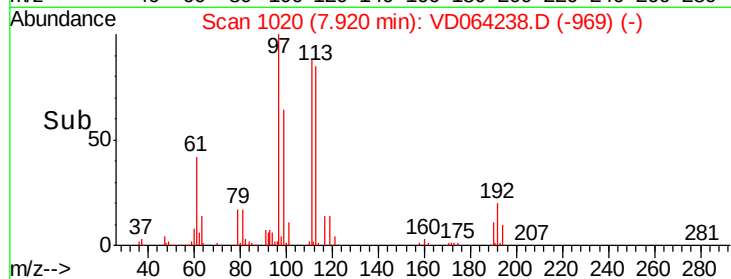
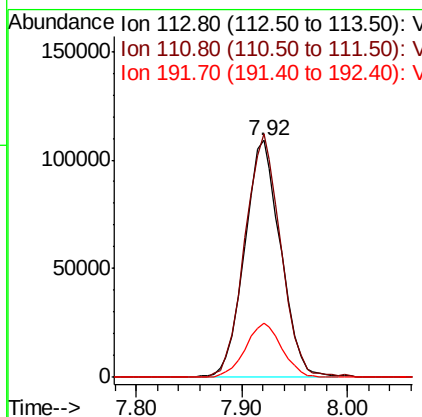
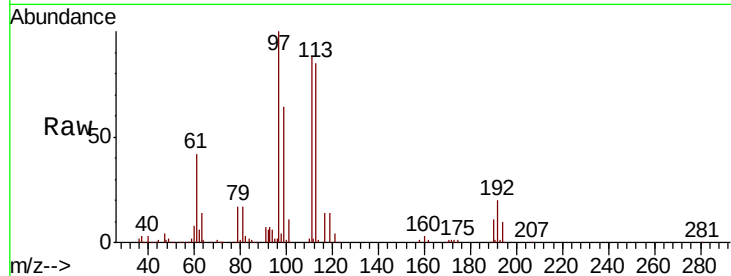




#35
 Dibromofluoromethane
 Concen: 52.218 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

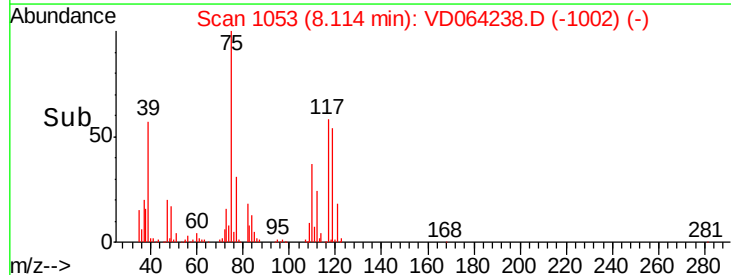
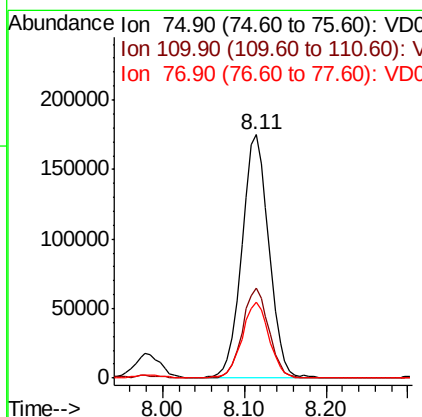
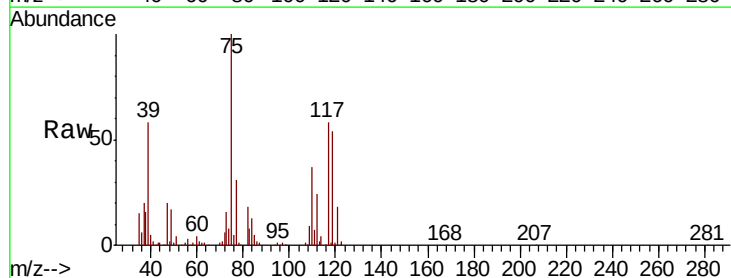
Instrument :
 MSVOA_D
 ClientSampled :

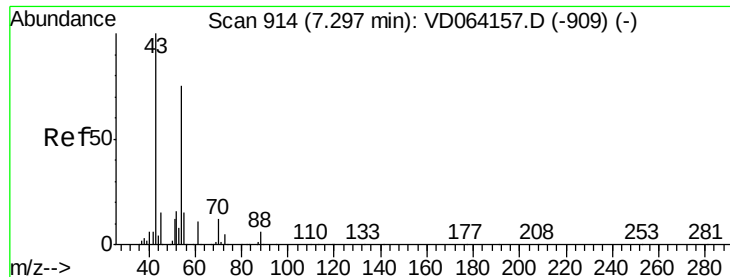
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.5	122.3
192	23.2	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 50.441 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.3	54.9
77	31.3	25.0	37.6

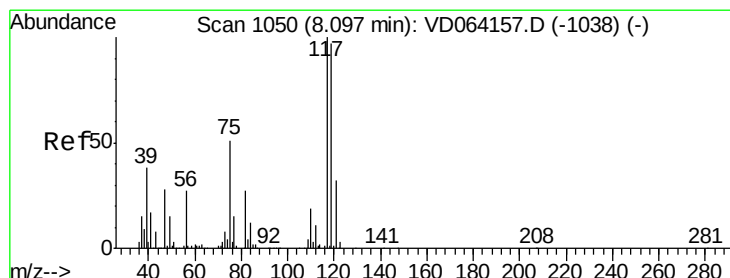
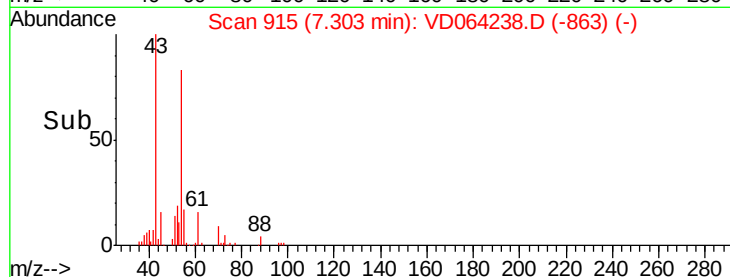
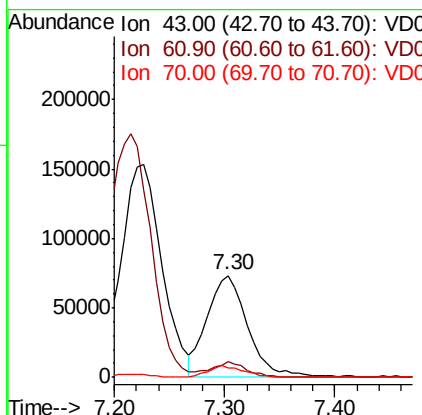
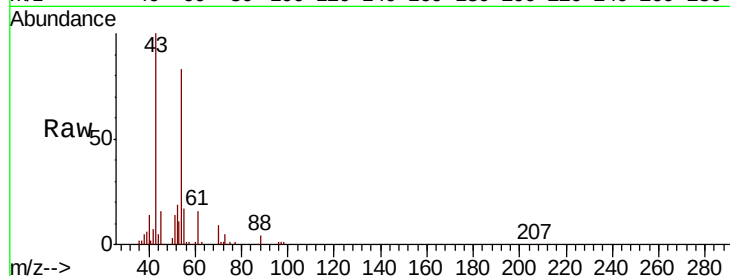




#37
Ethyl Acetate
Concen: 54.591 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

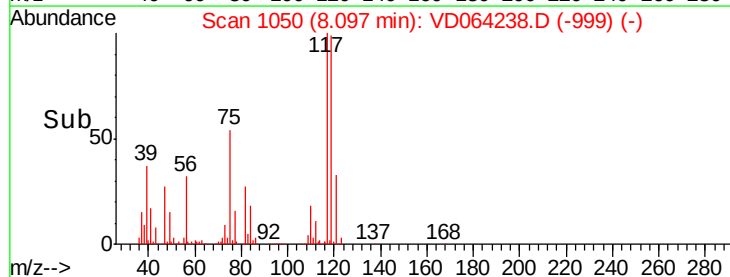
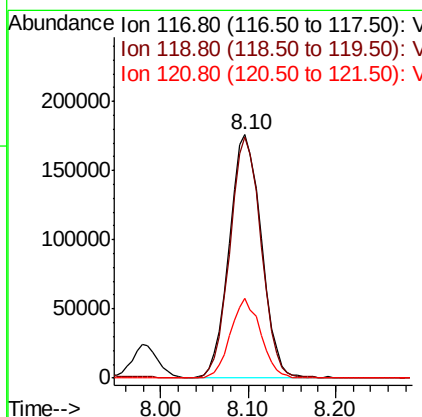
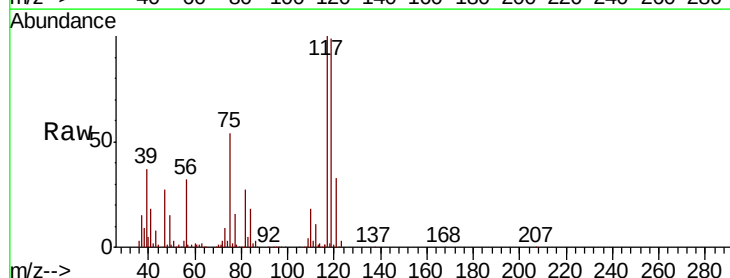
Instrument :
MSVOA_D
ClientSampled :

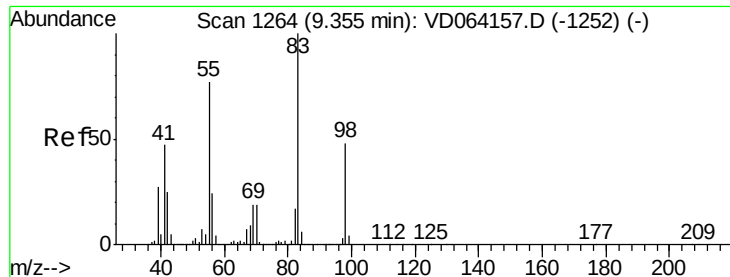
Tot Ion: 43 Resp: 183123
Ion Ratio Lower Upper
43 100
61 13.1 10.2 15.2
70 10.2 8.5 12.7



#38
Carbon Tetrachloride
Concen: 51.234 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion: 117 Resp: 436212
Ion Ratio Lower Upper
117 100
119 99.1 77.2 115.8
121 32.8 25.5 38.3

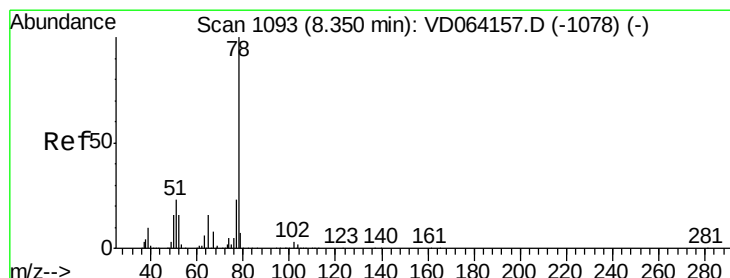
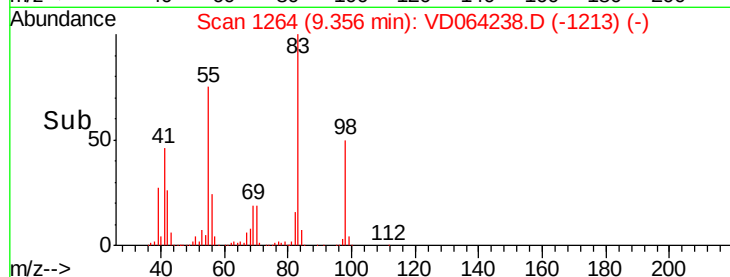
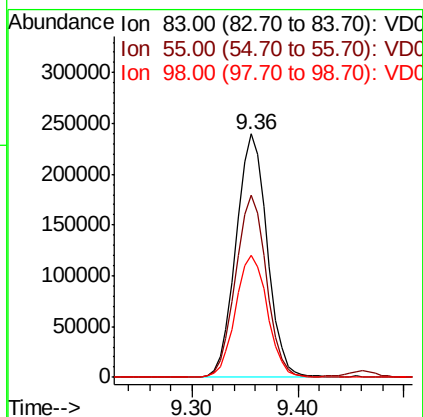
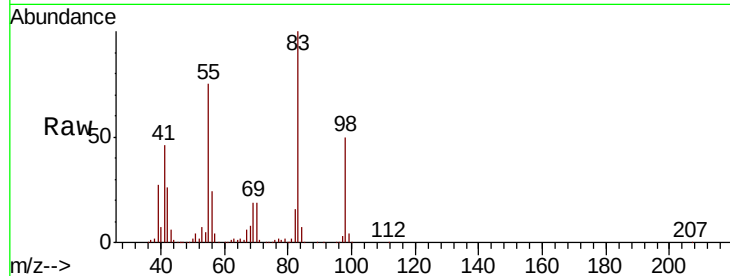




#39
Methylvlcyclohexane
Concen: 48.567 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

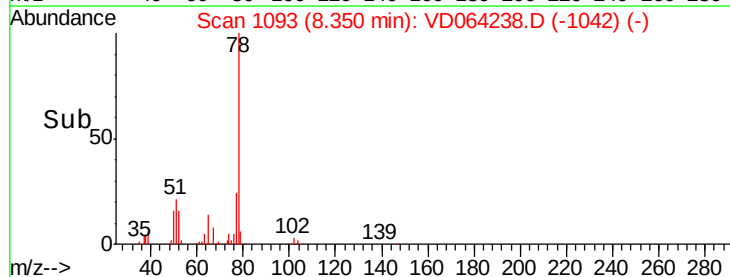
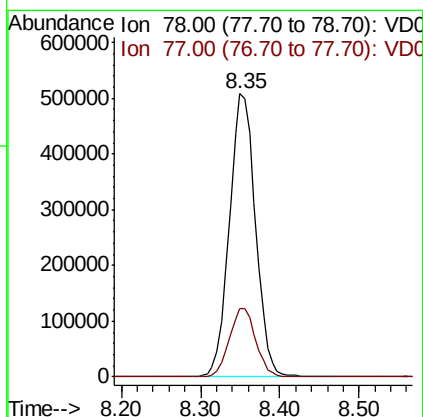
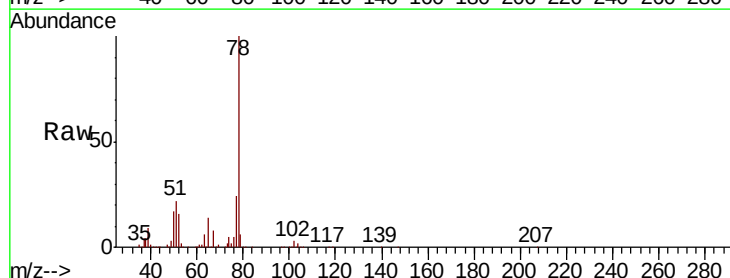
Instrument :
MSVOA_D
ClientSampleId :

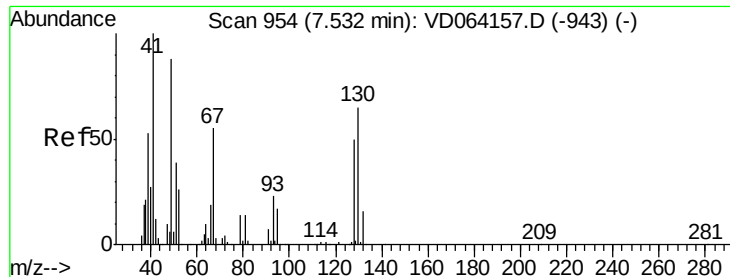
Tot Ion: 83 Resp: 488993
Ion Ratio Lower Upper
83 100
55 75.0 61.7 92.5
98 50.2 38.6 58.0



#40
Benzene
Concen: 53.171 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion: 78 Resp: 1156273
Ion Ratio Lower Upper
78 100
77 24.0 18.6 28.0

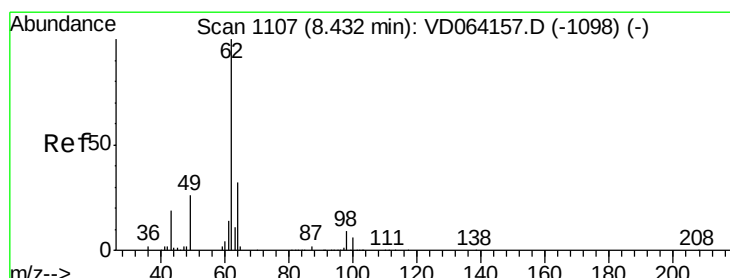
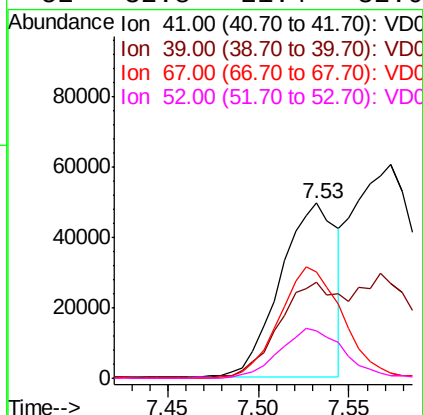
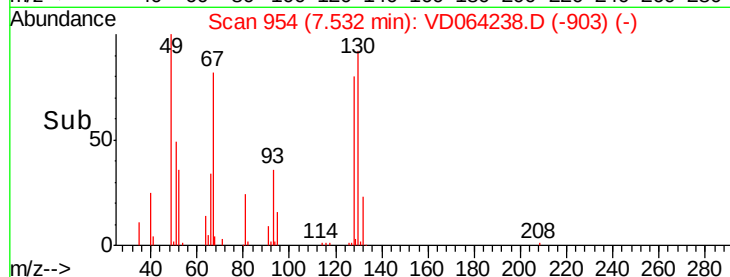
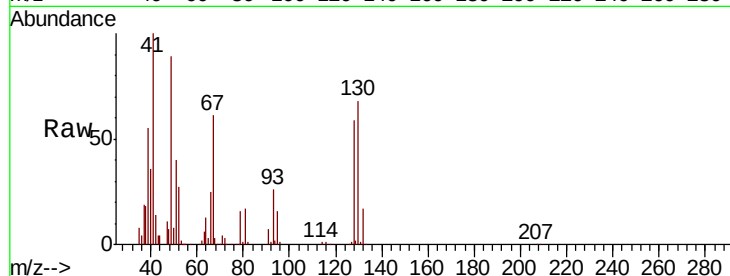




#41
Methacrylonitrile
Concen: 50.925 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

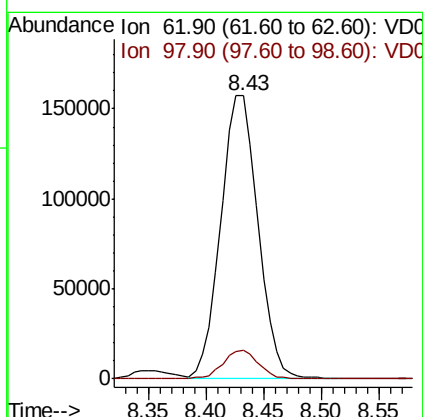
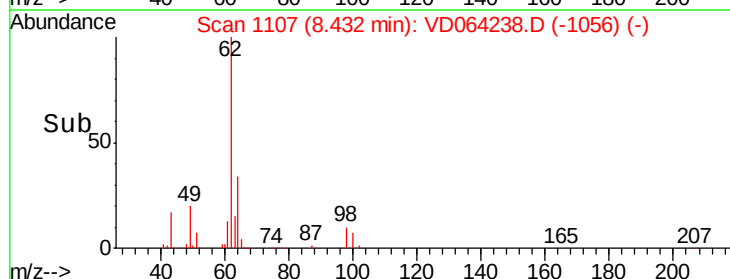
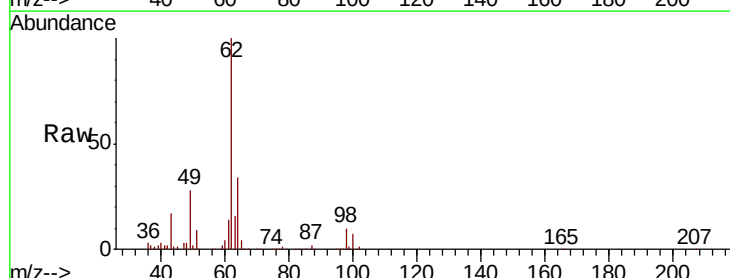
Instrument :
MSVOA_D
ClientSampleId :

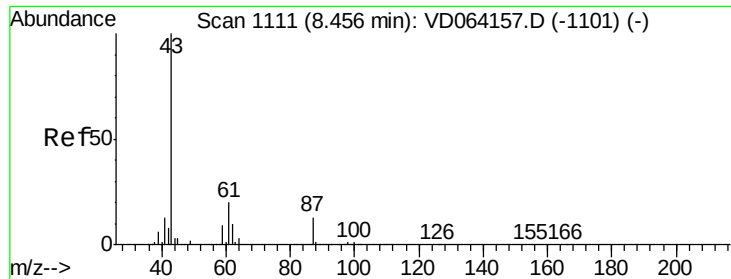
Tot Ion:	41	Resp:	107367
Ion	Ratio	Lower	Upper
41	100		
39	62.3	49.4	74.2
67	72.2	49.6	74.4
52	32.8	21.4	32.0#



#42
1,2-Dichloroethane
Concen: 53.835 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion:	62	Resp:	351617
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.0





#43

Isopropyl Acetate

Concen: 55.116 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

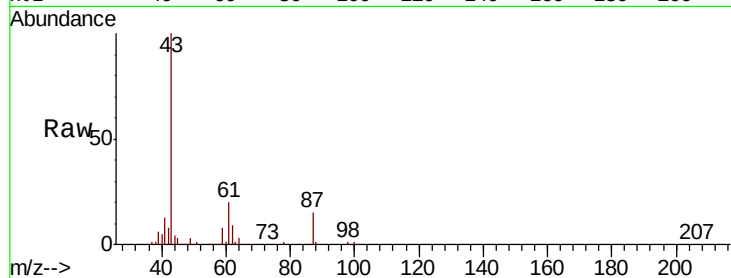
Tot Ion: 43 Resp: 380937

Ion Ratio Lower Upper

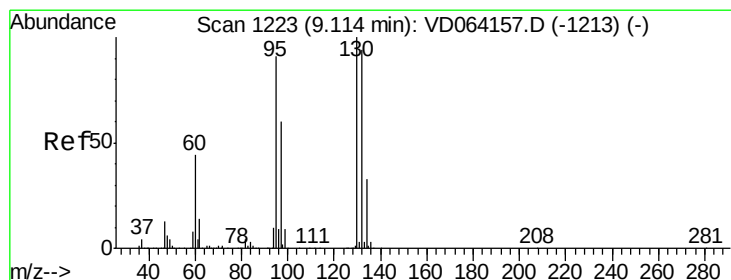
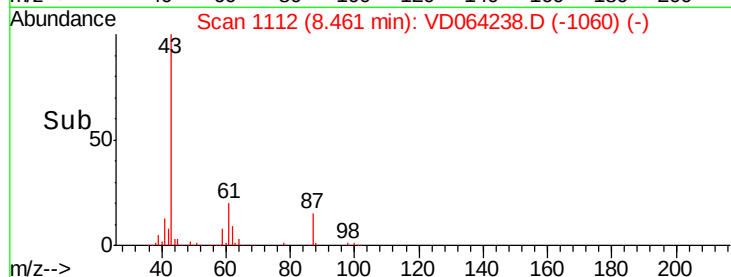
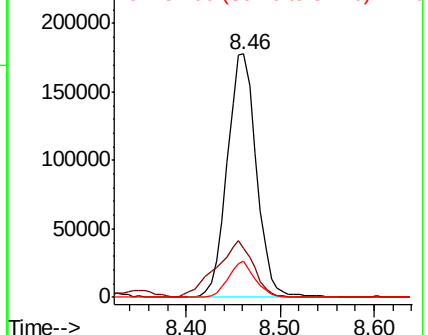
43 100

61 29.6 22.9 34.3

87 13.5 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: 52.849 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064238.D

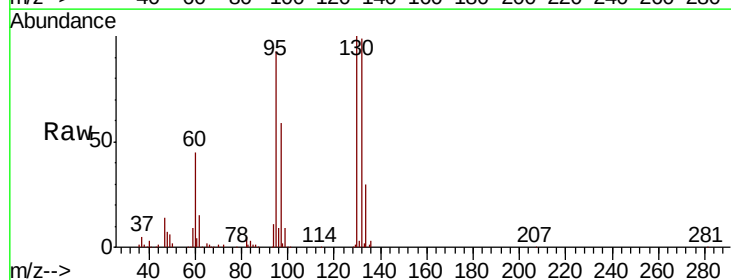
Acq: 15 Nov 2019 20:22

Tgt Ion:130 Resp: 344935

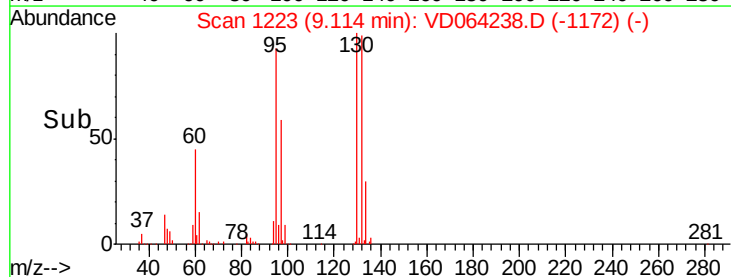
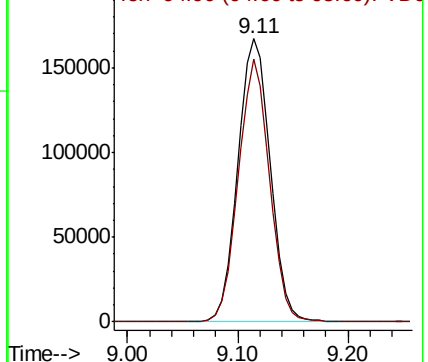
Ion Ratio Lower Upper

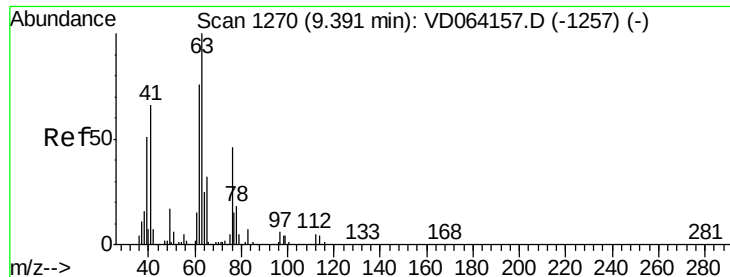
130 100

95 93.0 0.0 181.6



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

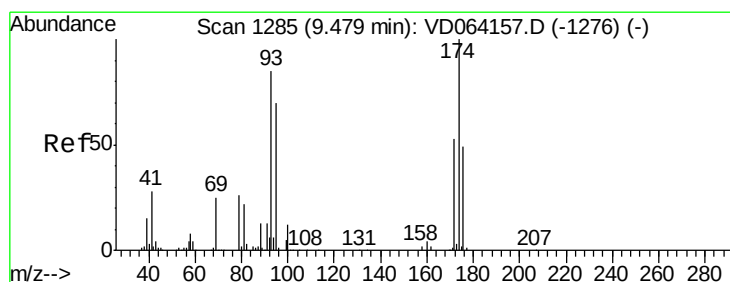
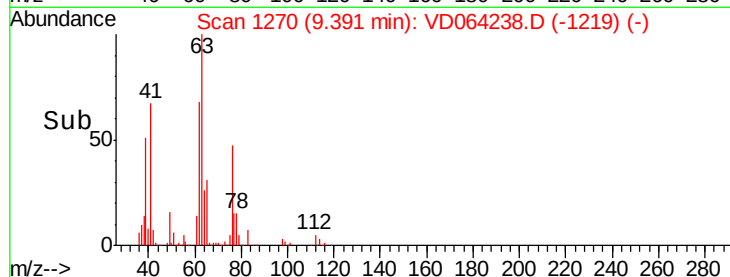
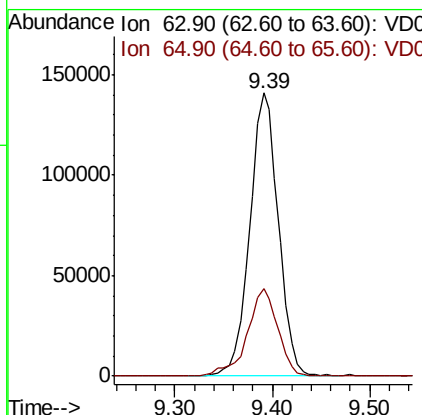
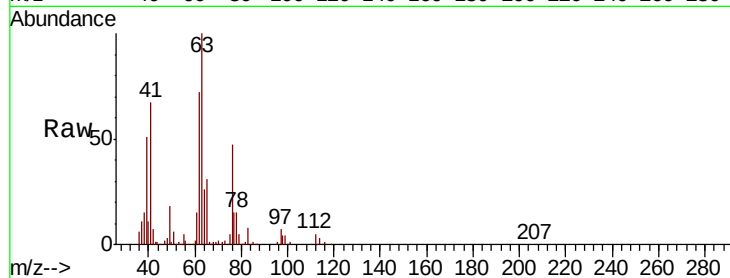




#45
 1,2-Dichloropropane
 Concen: 54.873 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

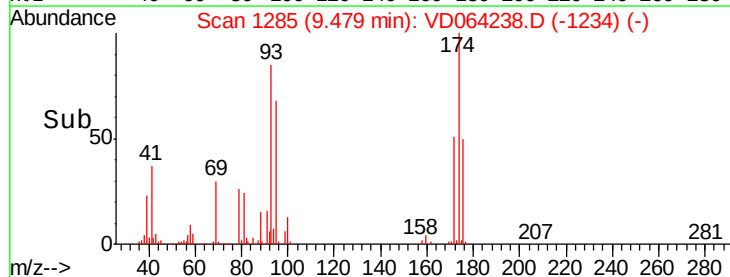
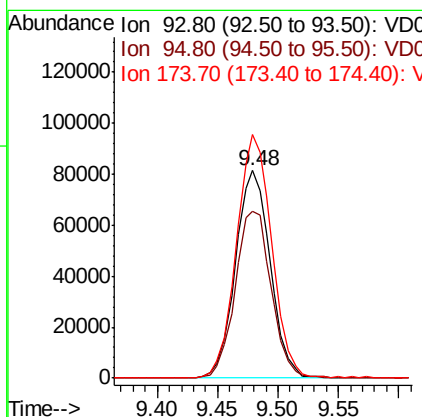
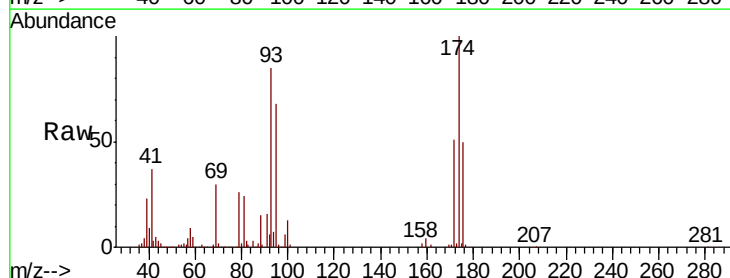
Instrument :
 MSVOA_D
 ClientSampleId :

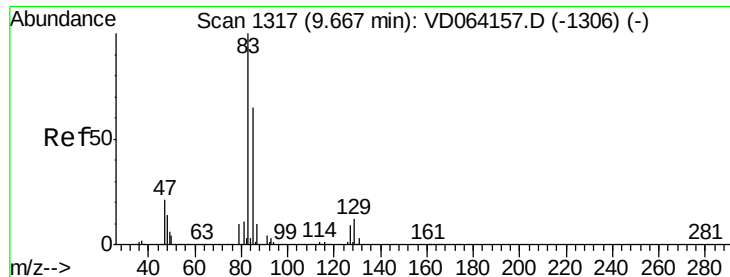
Tot Ion: 63 Resp: 290448
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.7 38.5



#46
 Dibromomethane
 Concen: 57.686 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Tgt Ion: 93 Resp: 163464
 Ion Ratio Lower Upper
 93 100
 95 83.1 65.5 98.3
 174 118.5 93.9 140.9





#47

Bromodichloromethane

Concen: 56.992 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

ClientSampled :

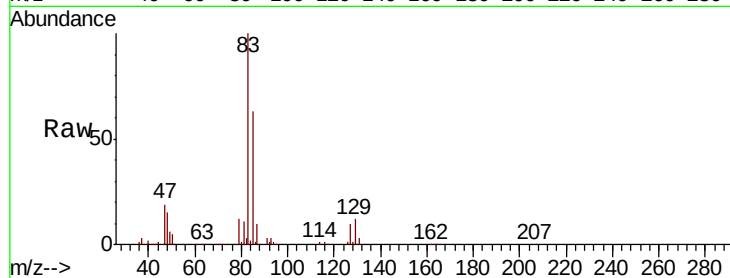
Tot Ion: 83 Resp: 435007

Ion Ratio Lower Upper

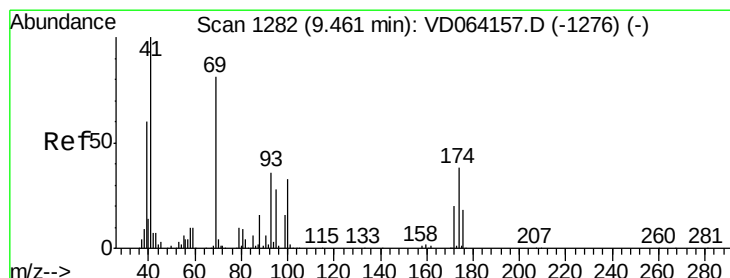
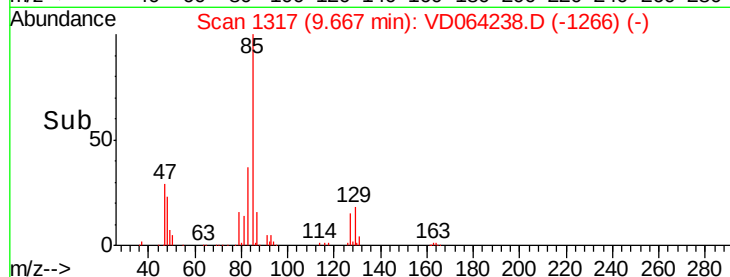
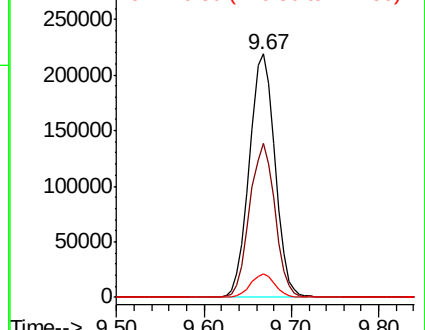
83 100

85 63.2 52.2 78.4

127 9.7 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: 53.783 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

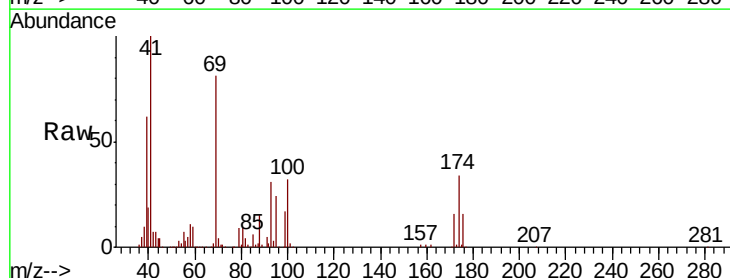
Tgt Ion: 41 Resp: 181765

Ion Ratio Lower Upper

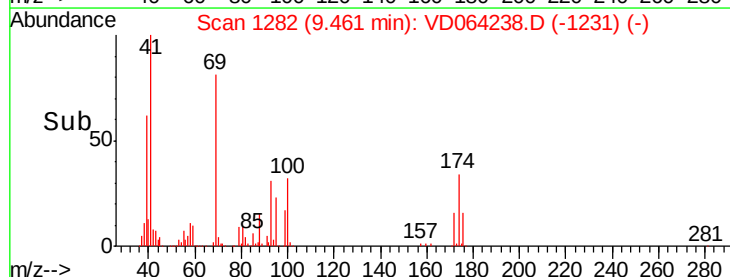
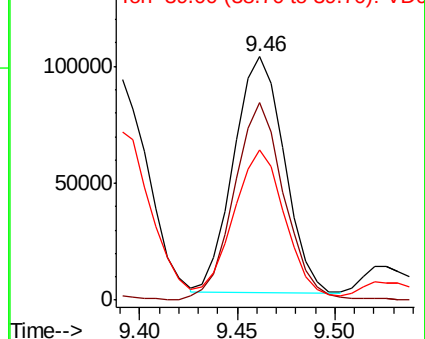
41 100

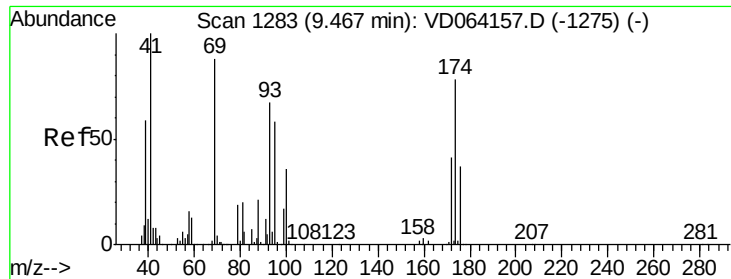
69 82.1 64.6 97.0

39 65.2 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: 1158.400 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :
MSVOA_D
ClientSampled :

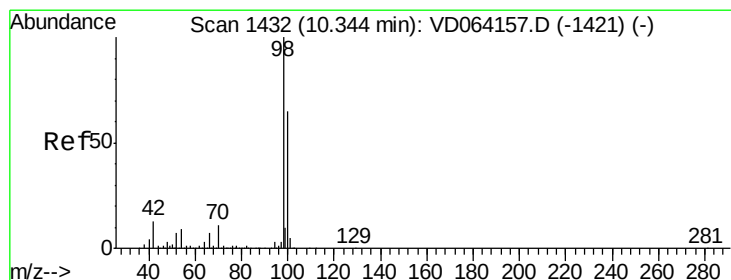
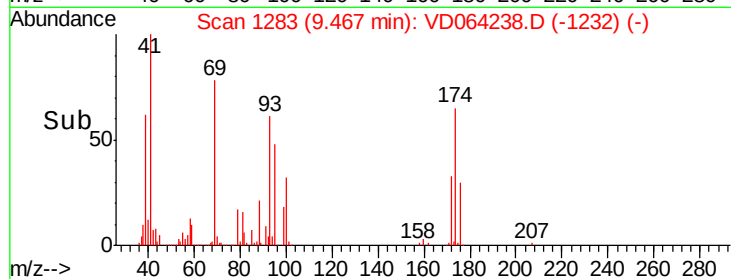
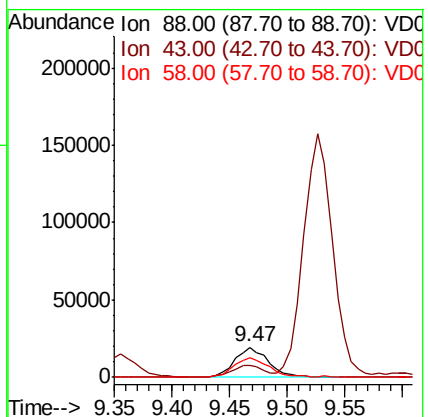
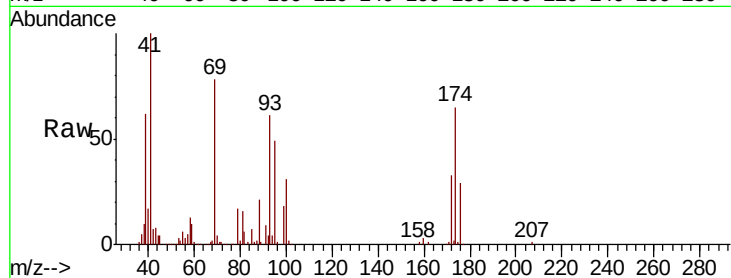
Tot Ion: 88 Resp: 39423

Ion Ratio Lower Upper

88 100

43 36.9 29.8 44.8

58 70.3 58.1 87.1



#50

Toluene-d8

Concen: 49.818 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064238.D

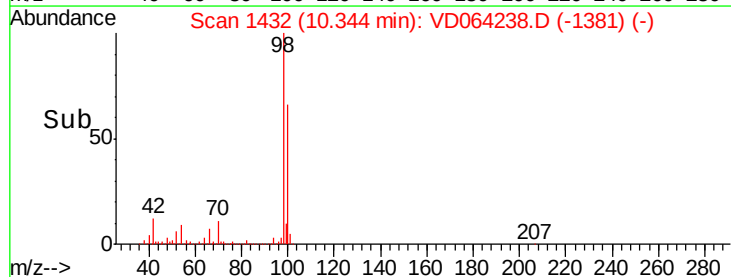
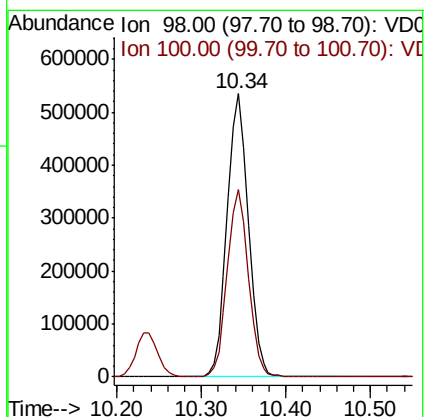
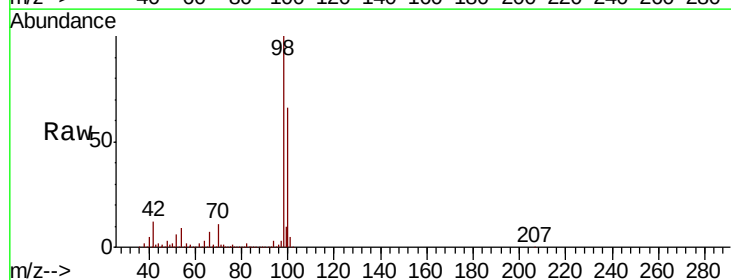
Acq: 15 Nov 2019 20:22

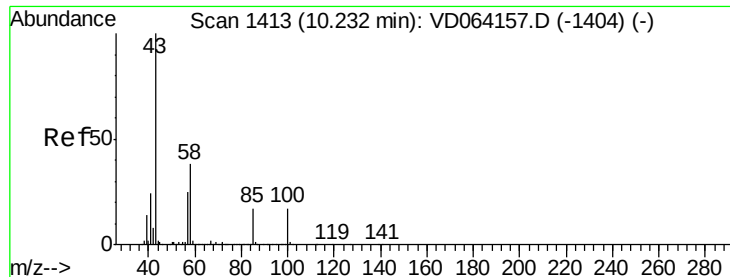
Tgt Ion: 98 Resp: 930066

Ion Ratio Lower Upper

98 100

100 65.7 52.6 78.8

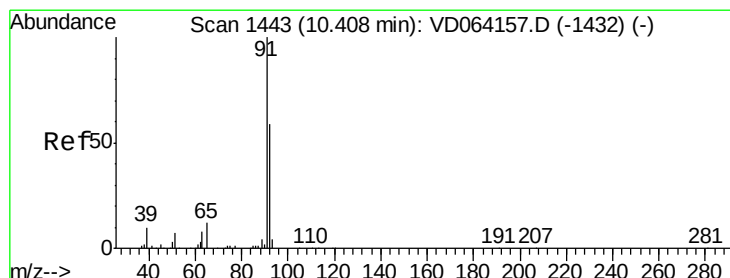
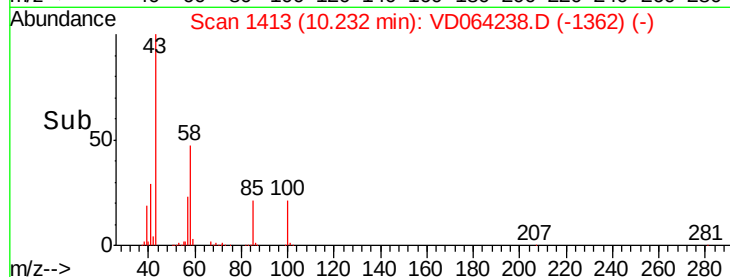
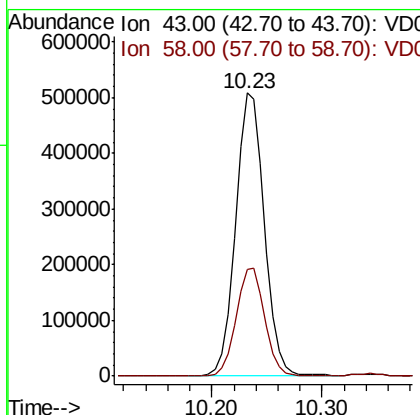
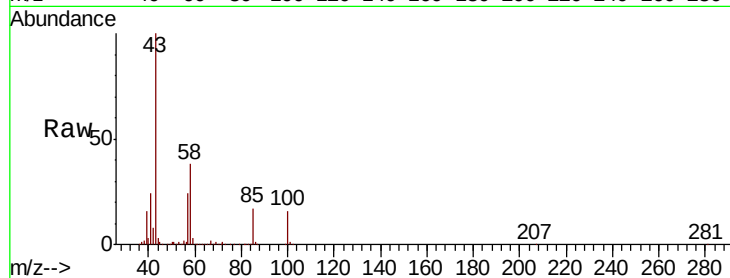




#51
 4-Methyl-2-Pentanone
 Concen: 278.729 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

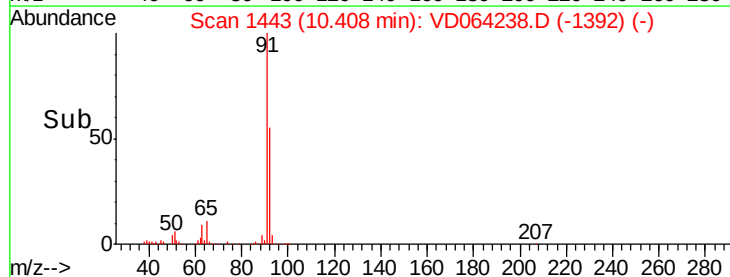
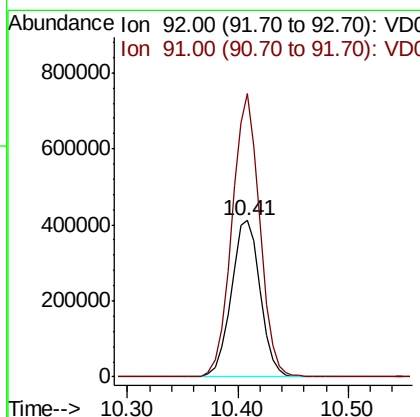
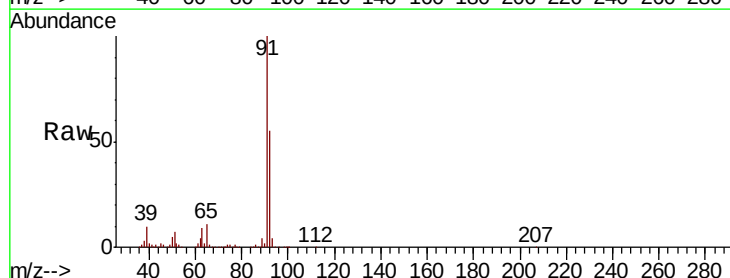
Instrument :
 MSVOA_D
 ClientSampled :

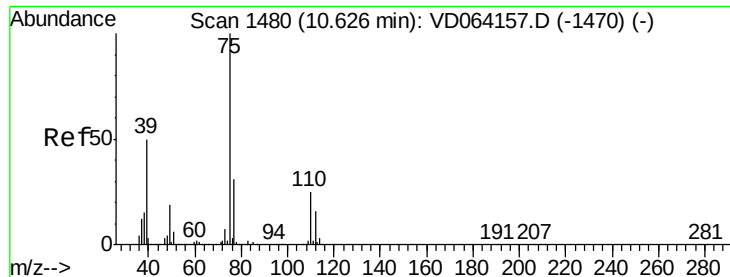
Tot Ion: 43 Resp: 923820
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.2 45.4



#52
 Toluene
 Concen: 52.813 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Tgt Ion: 92 Resp: 755207
 Ion Ratio Lower Upper
 92 100
 91 173.7 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 54.199 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

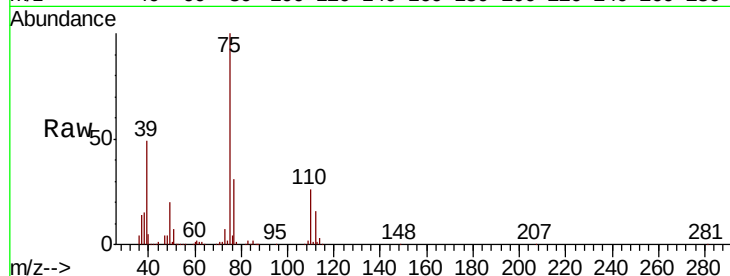
ClientSampled :

Tot Ion: 75 Resp: 414456

Ion Ratio Lower Upper

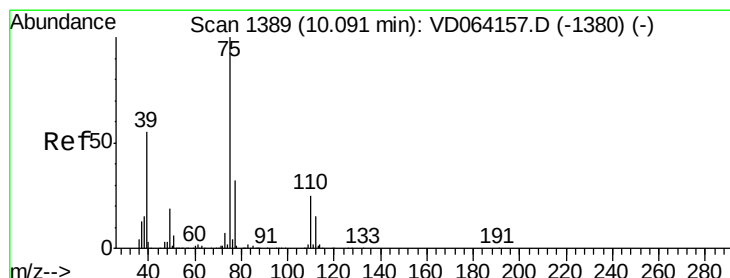
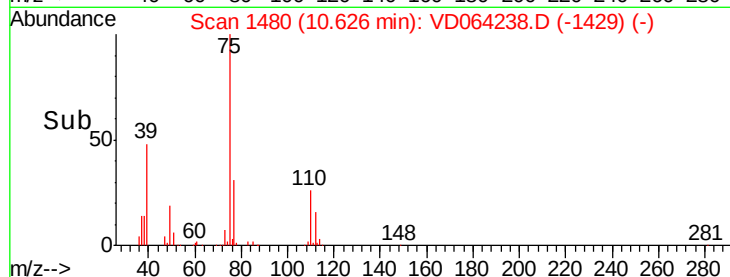
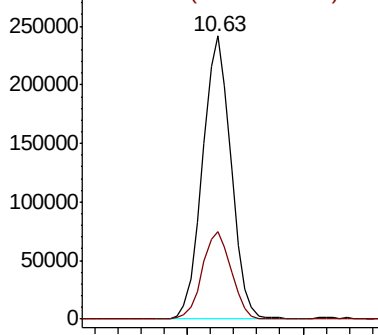
75 100

77 30.8 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: 54.116 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

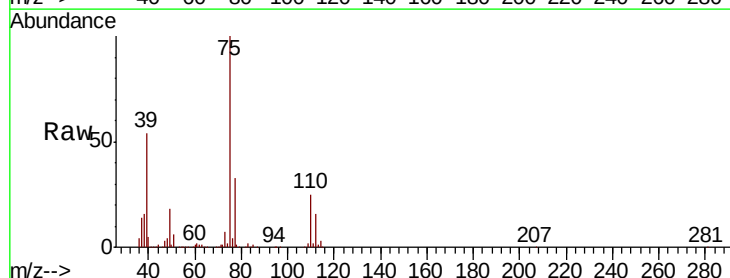
Tgt Ion: 75 Resp: 482894

Ion Ratio Lower Upper

75 100

77 32.6 25.2 37.8

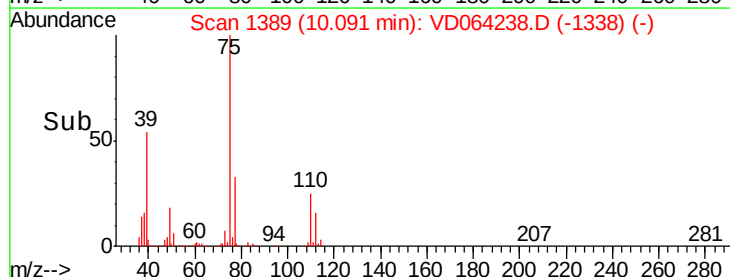
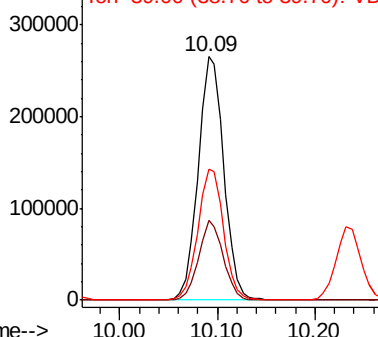
39 53.7 44.2 66.2

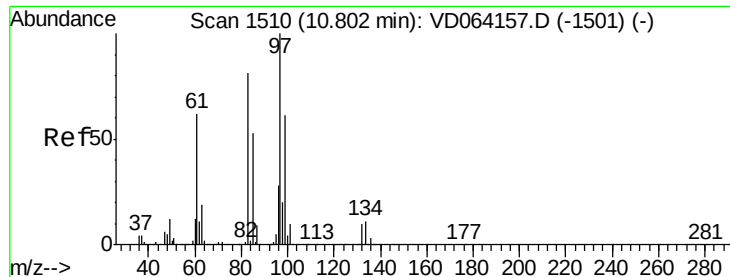


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

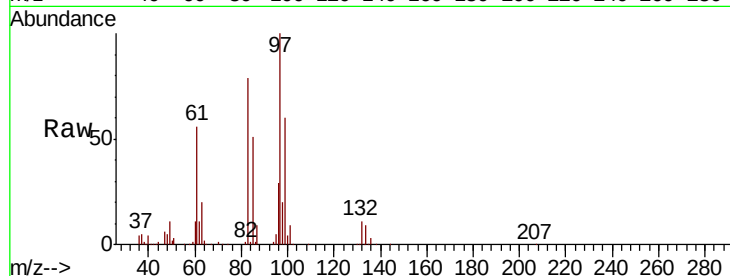




#55
 1,1,2-Trichloroethane
 Concen: 58.804 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	226046
Ion	Ratio	Lower	Upper
97	100		
83	78.5	65.1	97.7
85	51.0	42.0	63.0
99	59.9	48.9	73.3



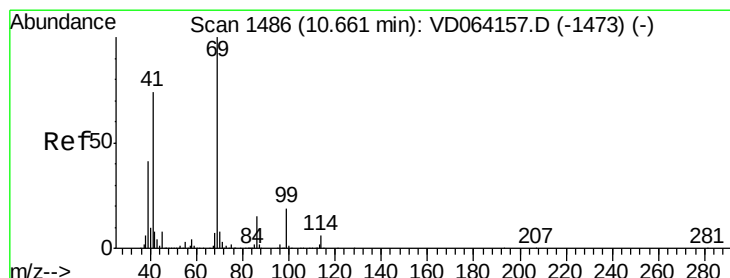
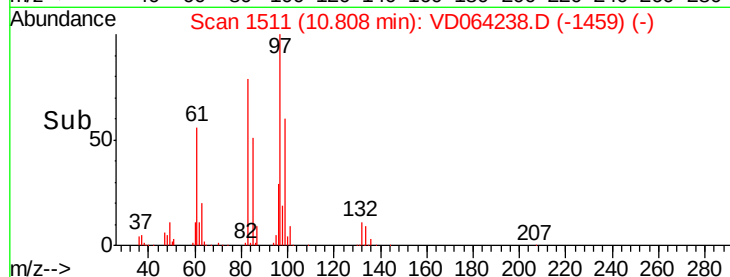
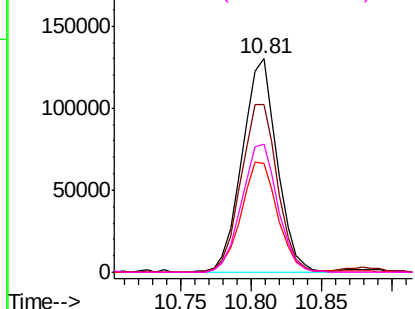
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

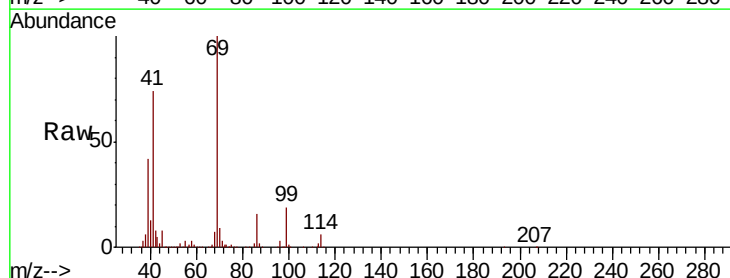
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 56.179 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Tgt Ion:	69	Resp:	302096
Ion	Ratio	Lower	Upper
69	100		
41	70.0	57.9	86.9
39	38.0	29.0	43.4

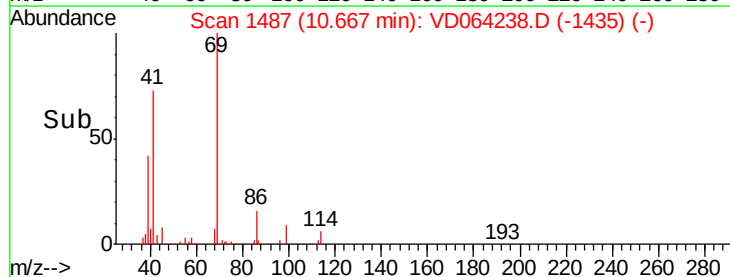
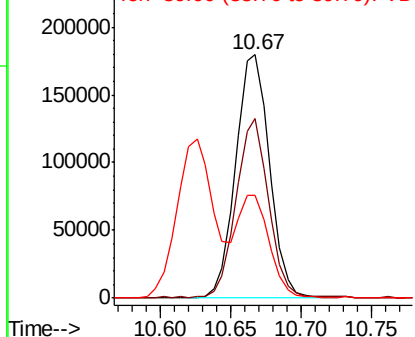


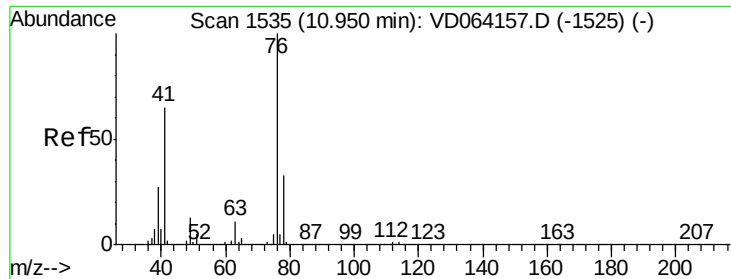
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

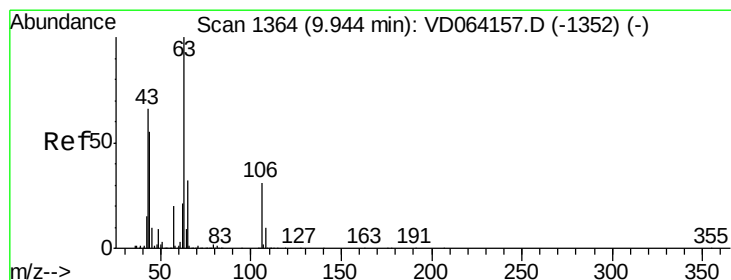
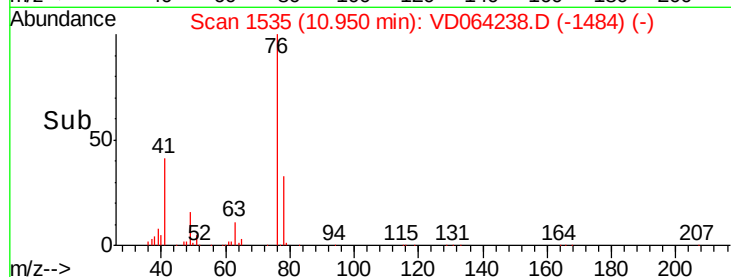
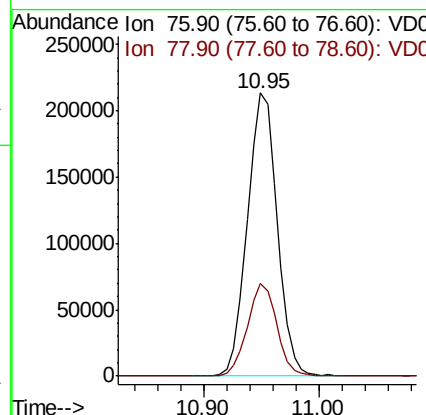
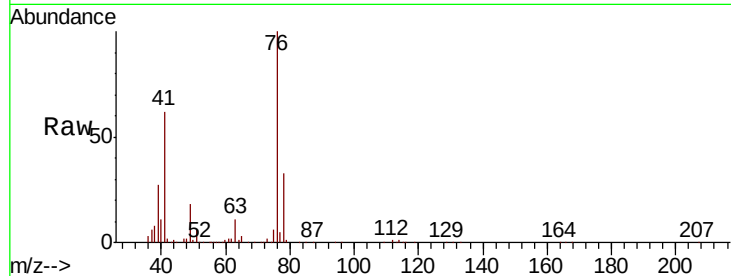




#57
 1,3-Dichloropropane
 Concen: 57.170 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

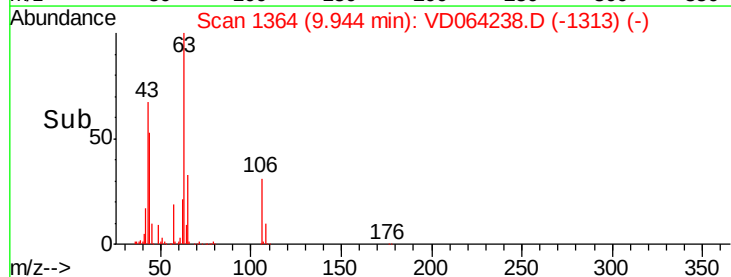
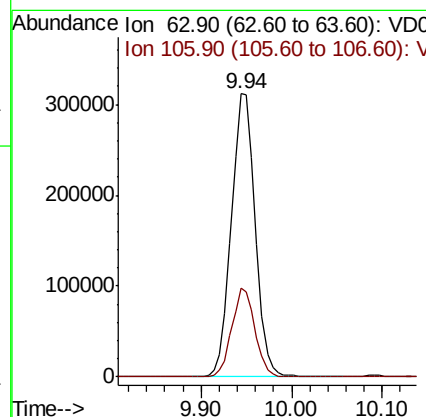
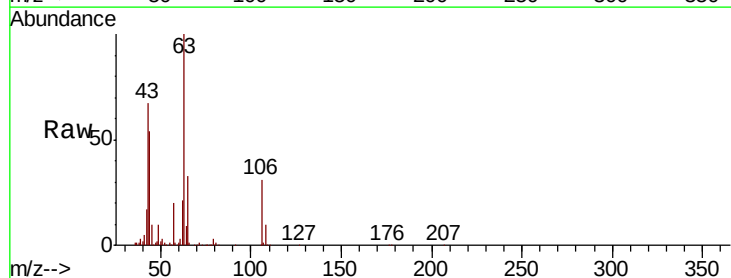
Instrument :
 MSVOA_D
 ClientSampled :

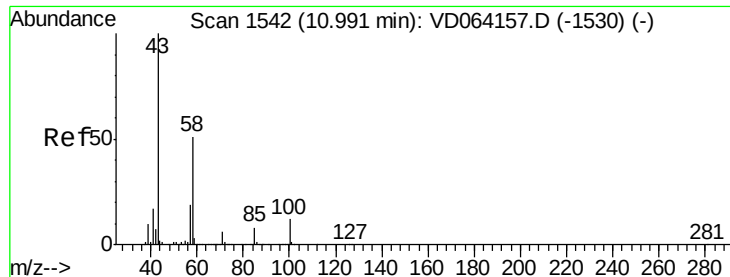
Tot Ion: 76 Resp: 383273
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 262.850 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Tgt Ion: 63 Resp: 572549
 Ion Ratio Lower Upper
 63 100
 106 30.3 24.1 36.1

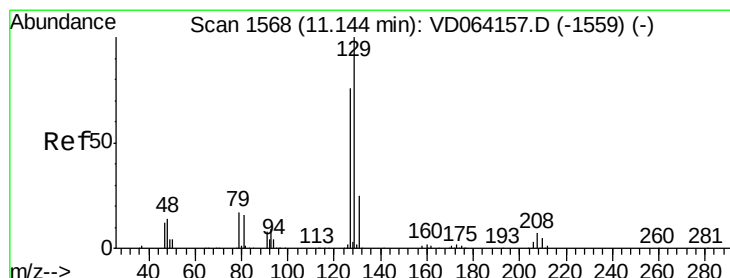
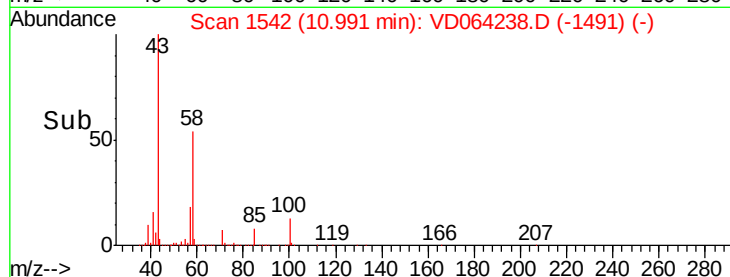
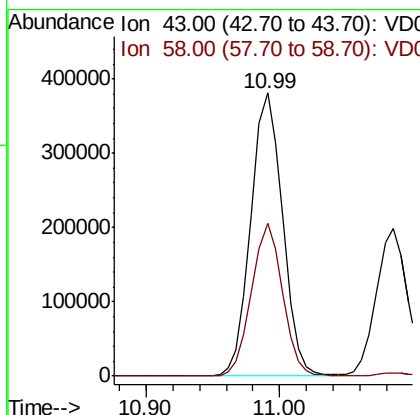
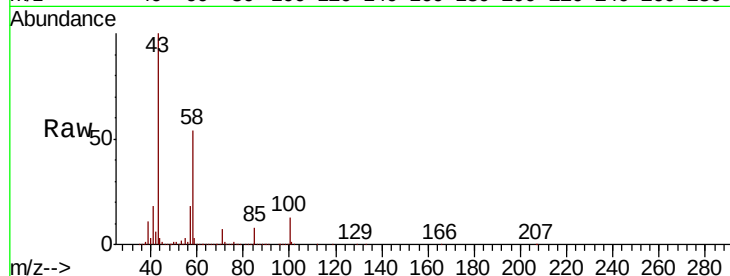




#59
2-Hexanone
Concen: 265.533 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

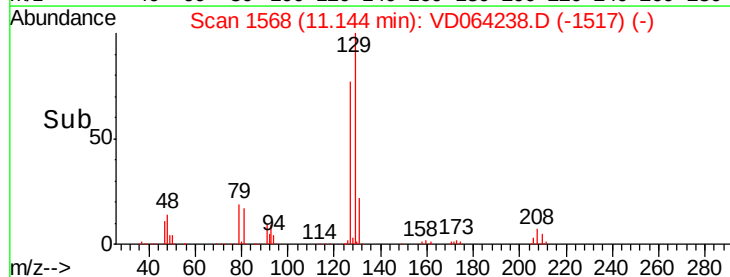
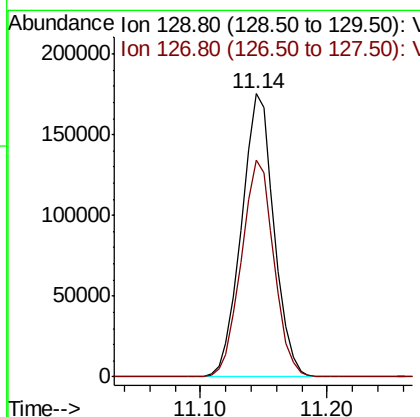
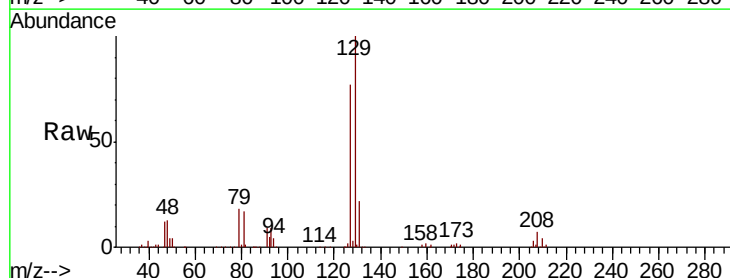
Instrument :
MSVOA_D
ClientSampled :

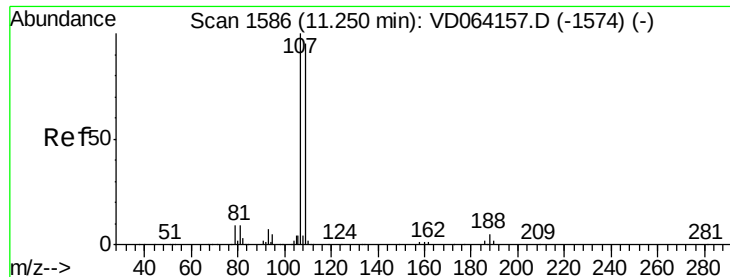
Tot Ion: 43 Resp: 626129
Ion Ratio Lower Upper
43 100
58 53.0 25.9 77.7



#60
Dibromochloromethane
Concen: 58.281 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion: 129 Resp: 312612
Ion Ratio Lower Upper
129 100
127 76.6 38.6 115.8

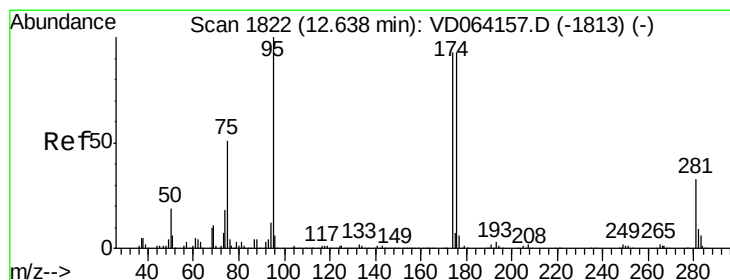
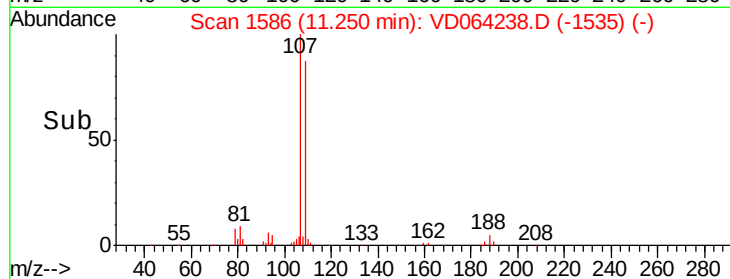
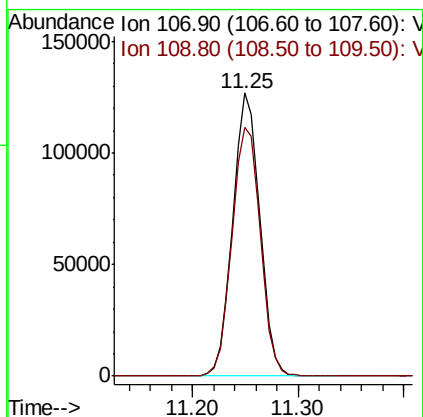
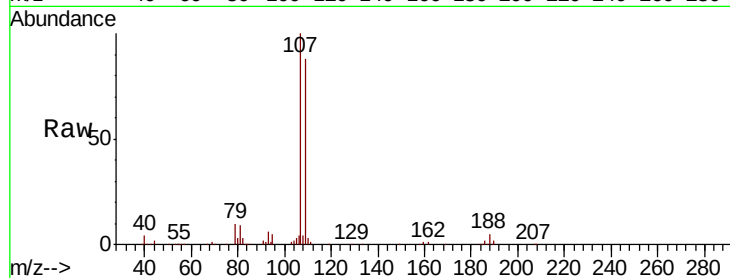




#61
 1,2-Dibromoethane
 Concen: 58.186 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

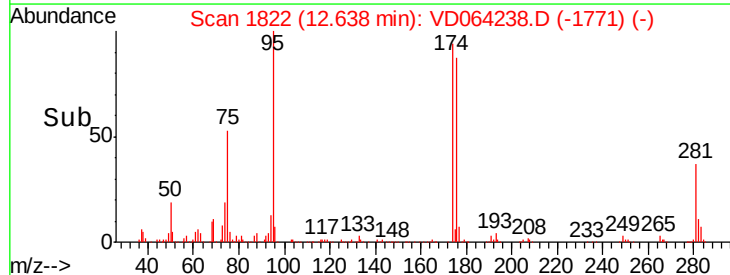
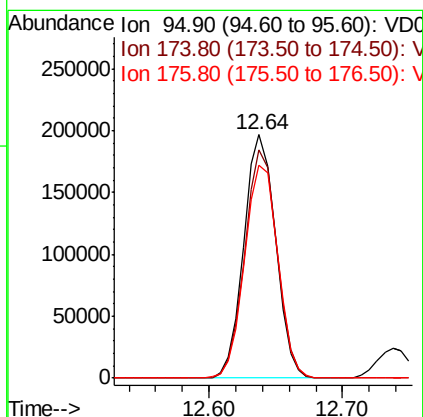
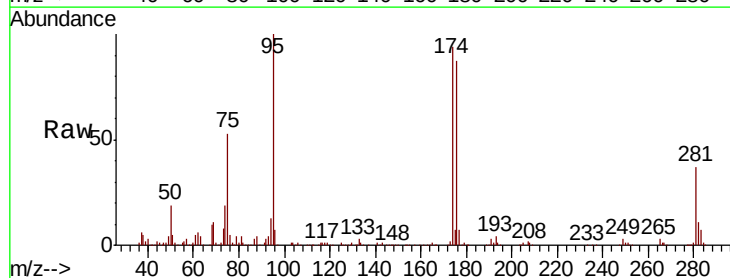
Instrument :
 MSVOA_D
 ClientSampled :

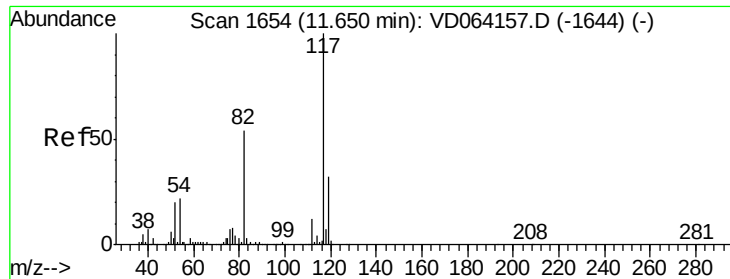
Tot Ion:107 Resp: 224028
 Ion Ratio Lower Upper
 107 100
 109 92.2 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 50.004 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Tgt Ion: 95 Resp: 323293
 Ion Ratio Lower Upper
 95 100
 174 94.9 0.0 183.6
 176 91.6 0.0 180.2

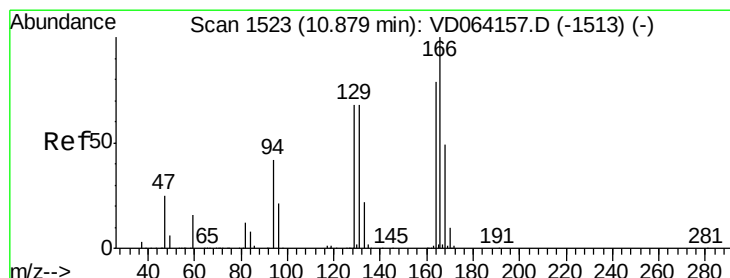
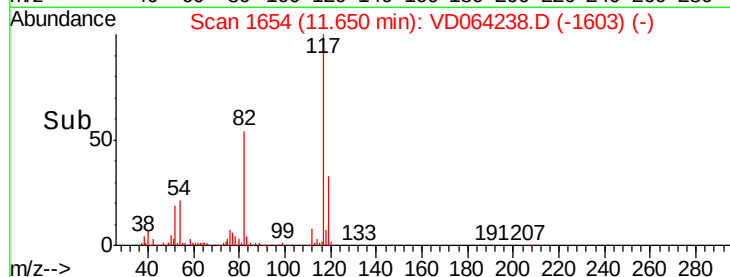
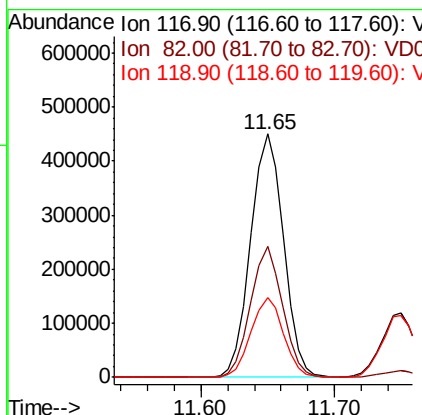
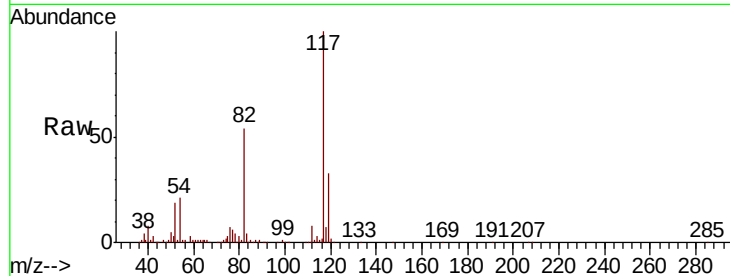




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

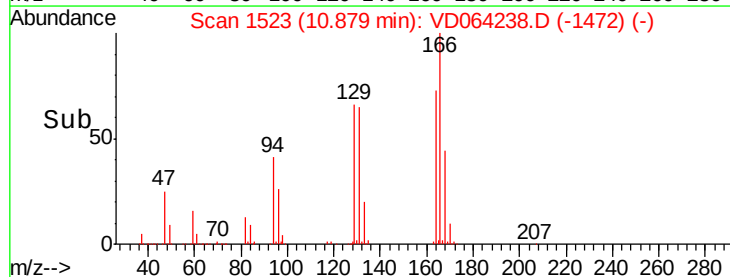
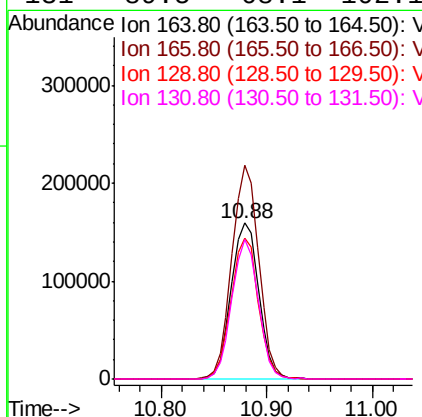
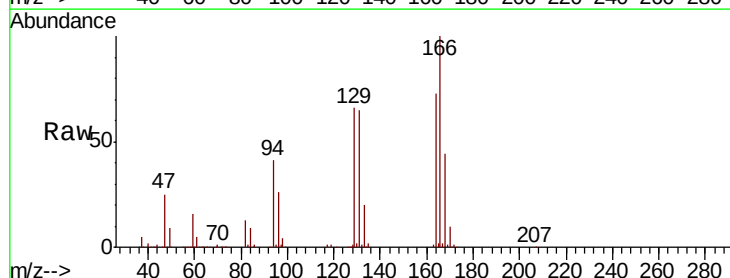
Instrument :
MSVOA_D
ClientSampleId :

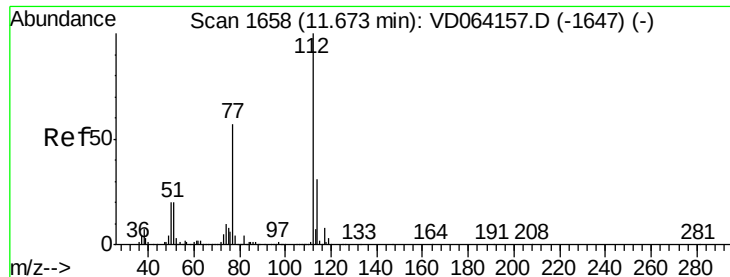
Tot Ion:117 Resp: 767373
Ion Ratio Lower Upper
117 100
82 53.8 42.8 64.2
119 32.6 25.6 38.4



#64
Tetrachloroethene
Concen: 48.941 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion:164 Resp: 288840
Ion Ratio Lower Upper
164 100
166 137.0 100.8 151.2
129 90.4 68.7 103.1
131 89.5 68.1 102.1

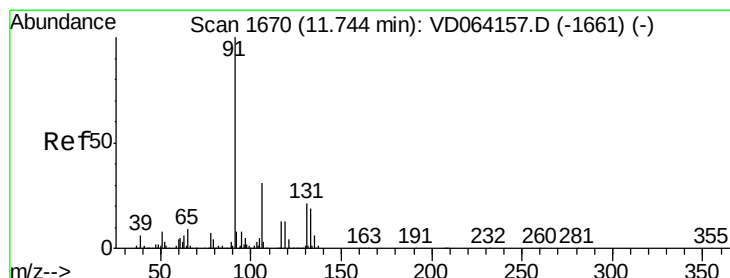
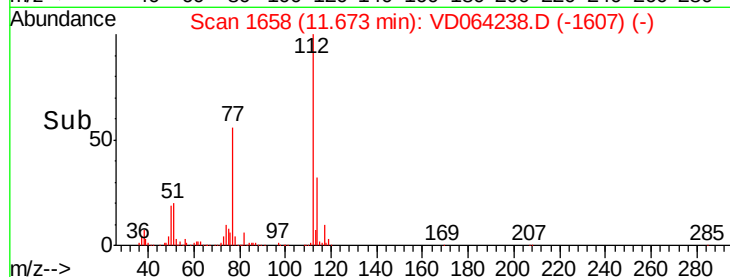
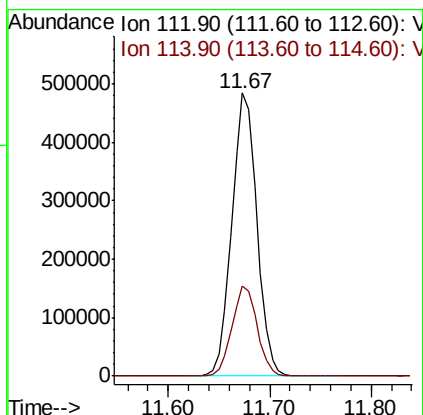
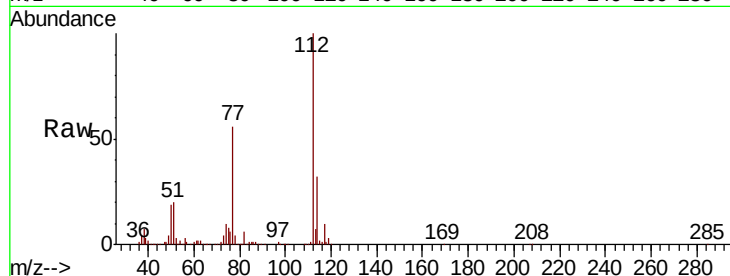




#65
Chlorobenzene
Concen: 53.200 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

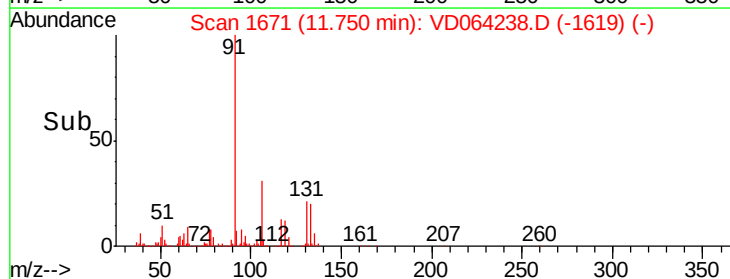
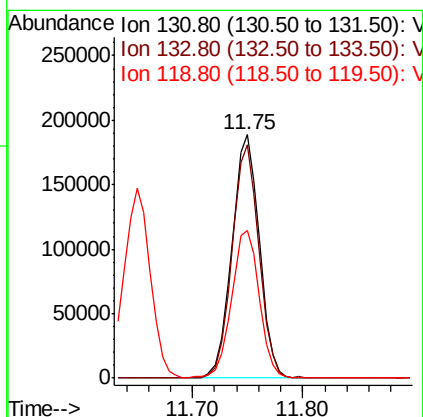
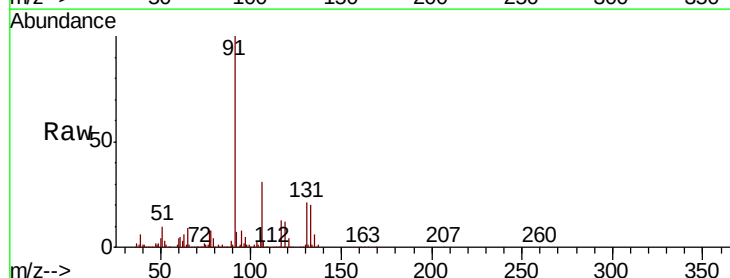
Instrument :
MSVOA_D
ClientSampleId :

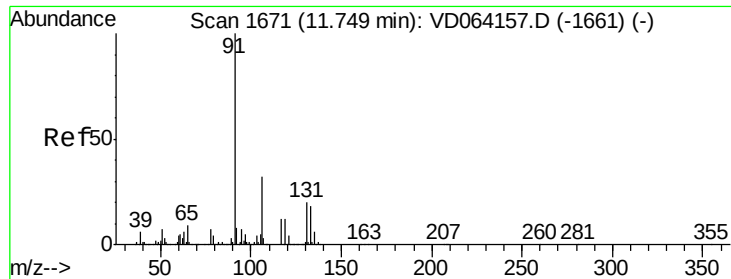
Tot Ion:112 Resp: 830157
Ion Ratio Lower Upper
112 100
114 31.9 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 55.333 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion:131 Resp: 328317
Ion Ratio Lower Upper
131 100
133 94.1 47.3 141.9
119 61.1 31.1 93.3

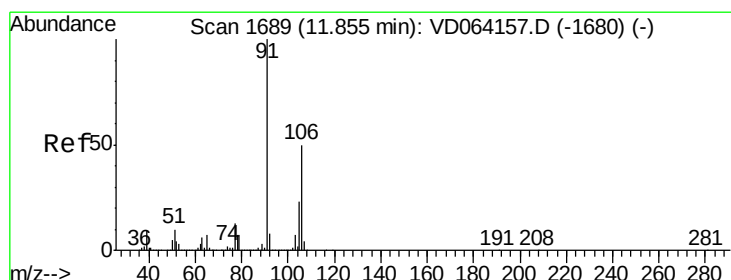
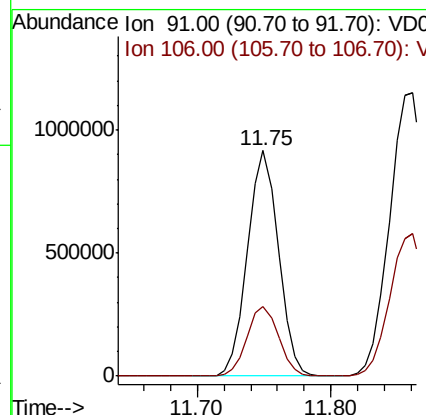
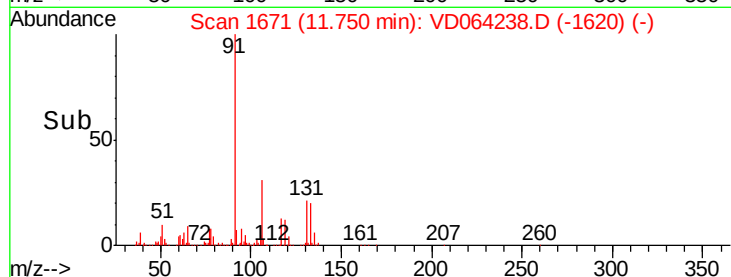
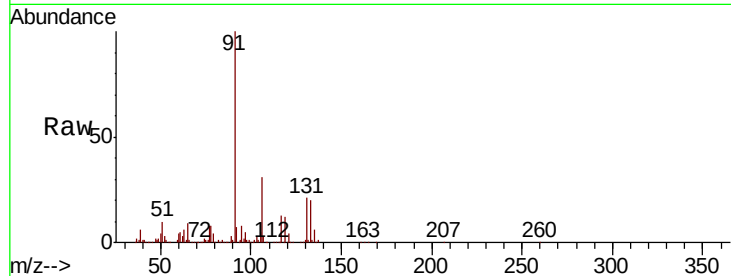




#67
Ethyl Benzene
Concen: 52.019 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

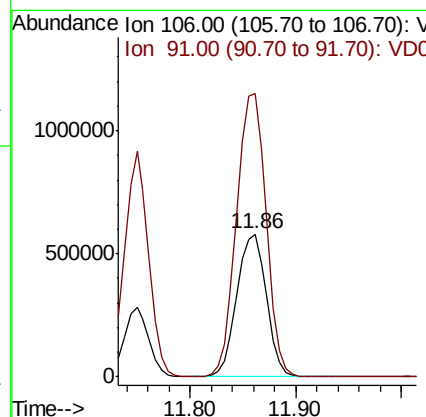
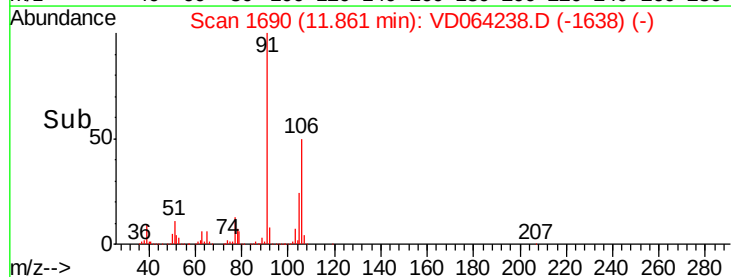
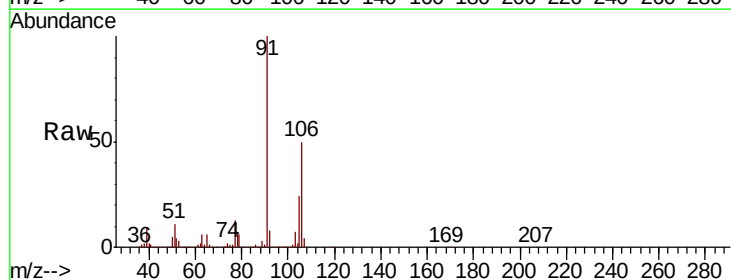
Instrument :
MSVOA_D
ClientSampled :

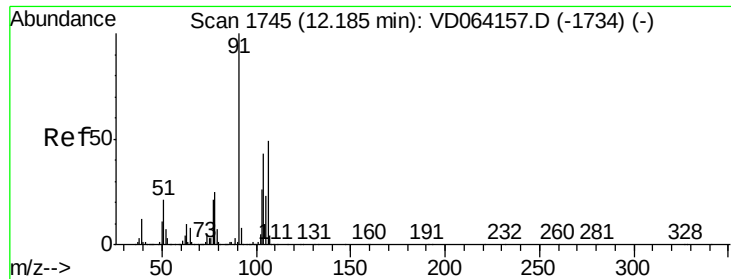
Tot Ion: 91 Resp: 1468288
Ion Ratio Lower Upper
91 100
106 30.9 25.5 38.3



#68
m/p-Xylenes
Concen: 103.747 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion: 106 Resp: 1122443
Ion Ratio Lower Upper
106 100
91 199.1 160.3 240.5

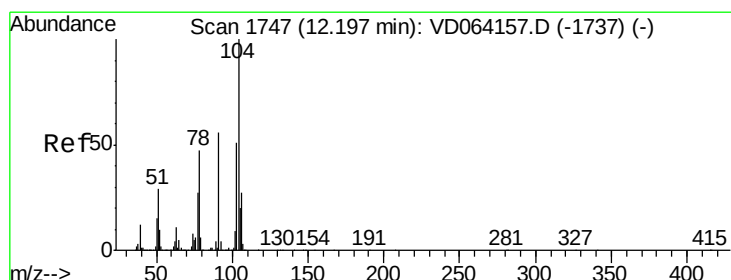
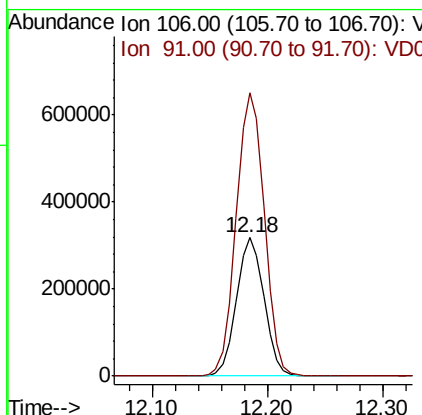
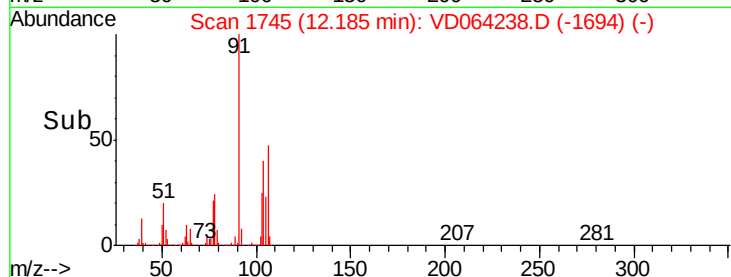
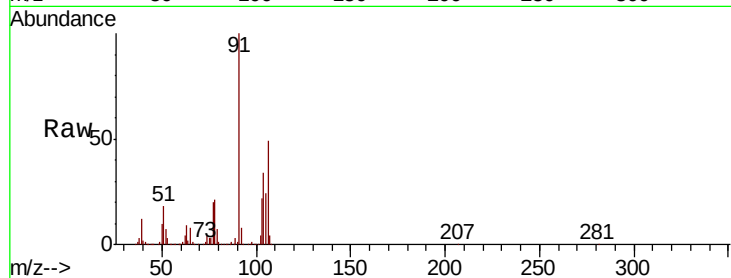




#69
o-Xylene
Concen: 52.576 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

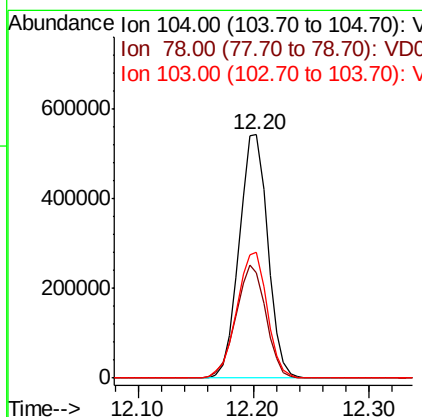
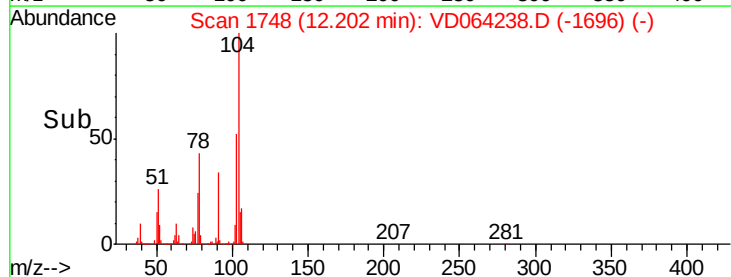
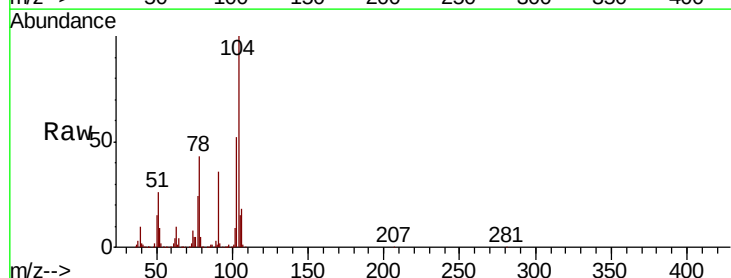
Instrument :
MSVOA_D
ClientSampleId :

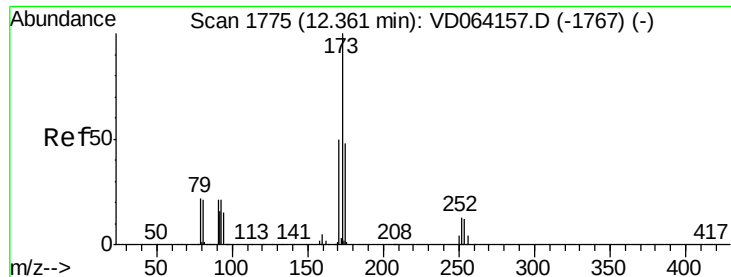
Tot Ion:106 Resp: 527547
Ion Ratio Lower Upper
106 100
91 208.5 105.1 315.3



#70
Styrene
Concen: 53.467 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion:104 Resp: 936486
Ion Ratio Lower Upper
104 100
78 48.6 39.9 59.9
103 54.7 43.4 65.0





#71

Bromoform

Concen: 57.357 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

ClientSampled :

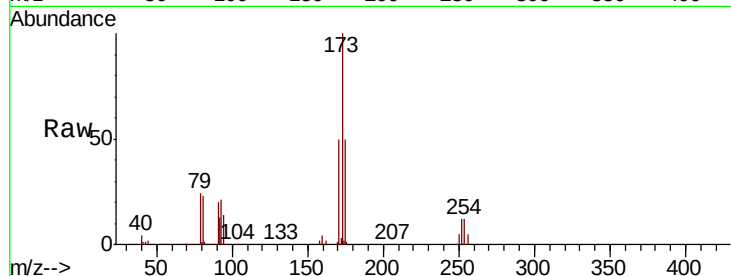
Tot Ion:173 Resp: 193682

Ion Ratio Lower Upper

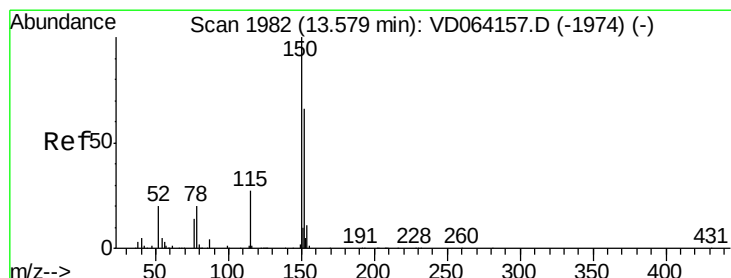
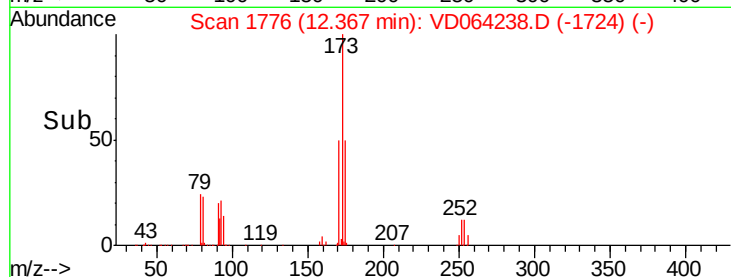
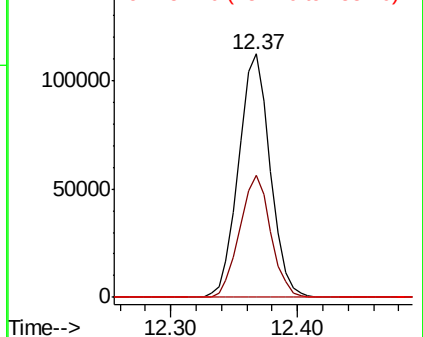
173 100

175 49.3 24.1 72.3

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

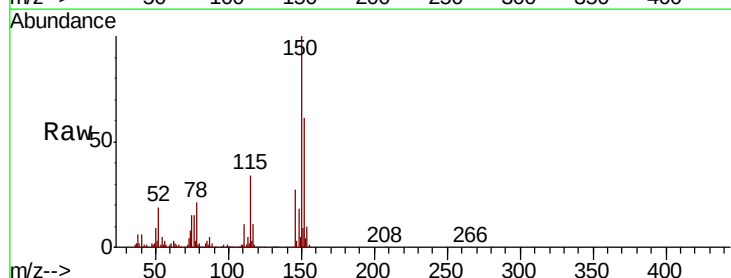
Tgt Ion:152 Resp: 377578

Ion Ratio Lower Upper

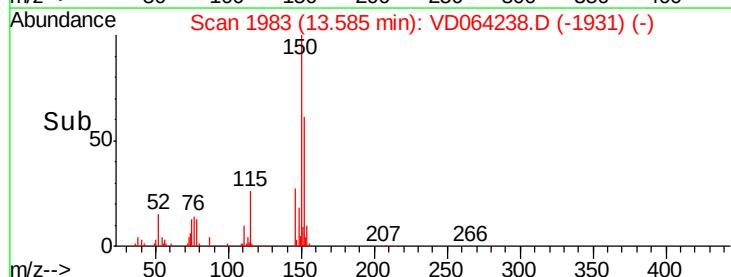
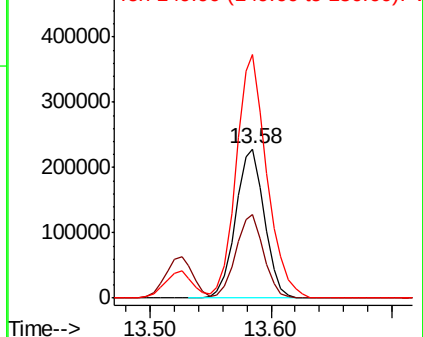
152 100

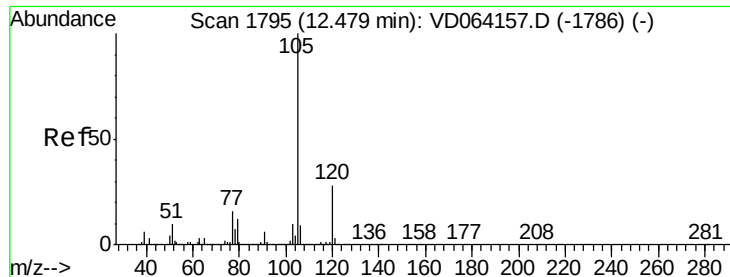
115 54.2 27.4 82.2

150 174.0 0.0 351.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.512 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

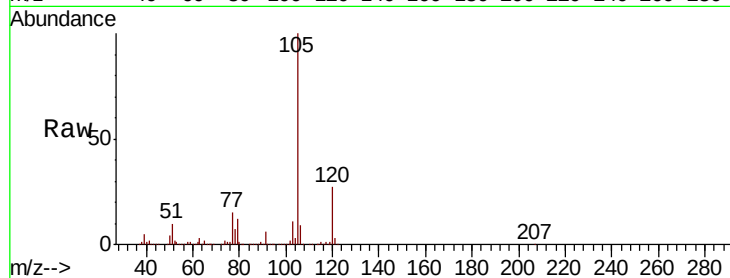
ClientSampleId :

Tot Ion:105 Resp: 1399887

Ion Ratio Lower Upper

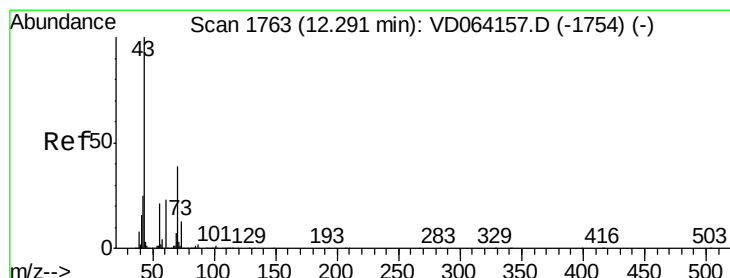
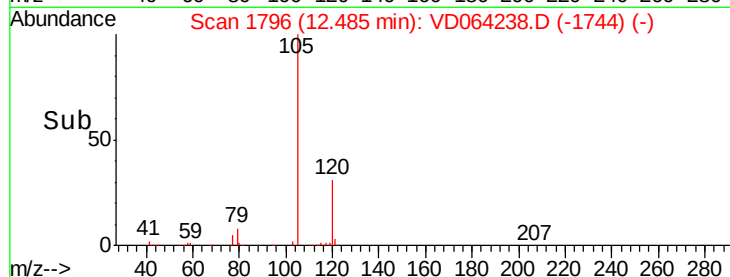
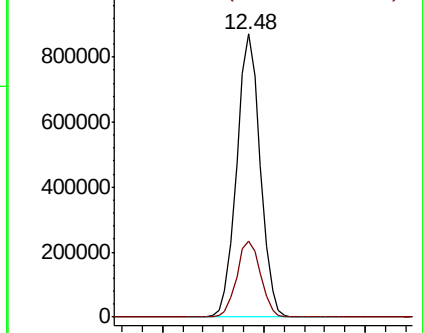
105 100

120 27.5 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.396 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Tgt Ion: 43 Resp: 342912

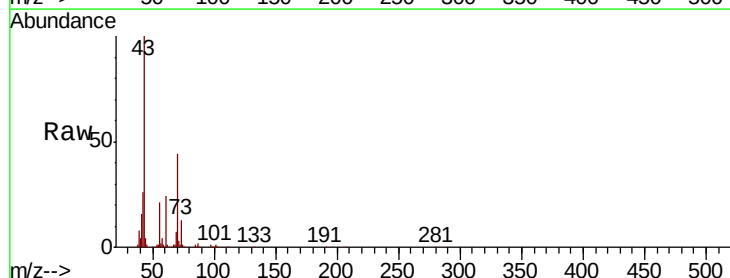
Ion Ratio Lower Upper

43 100

70 42.3 32.4 48.6

55 22.0 17.9 26.9

61 24.3 19.0 28.4

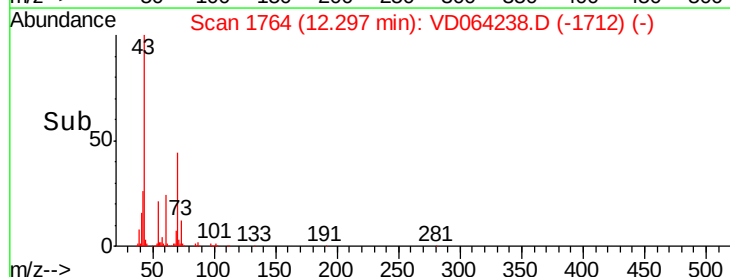
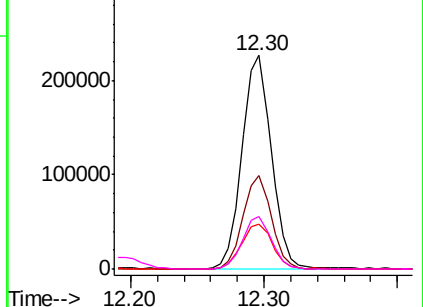


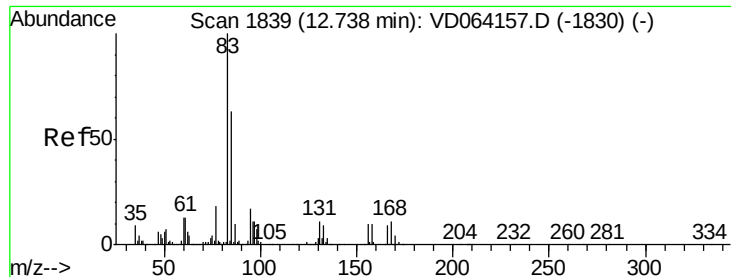
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 55.772 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

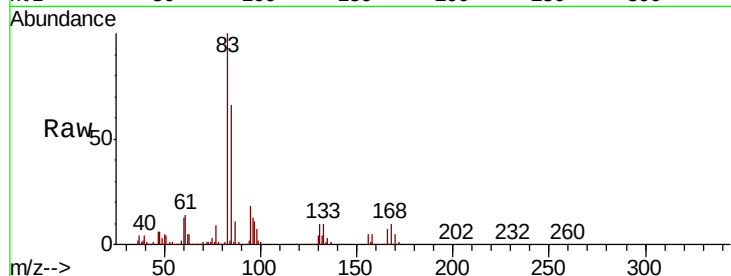
Tot Ion: 83 Resp: 232906

Ion Ratio Lower Upper

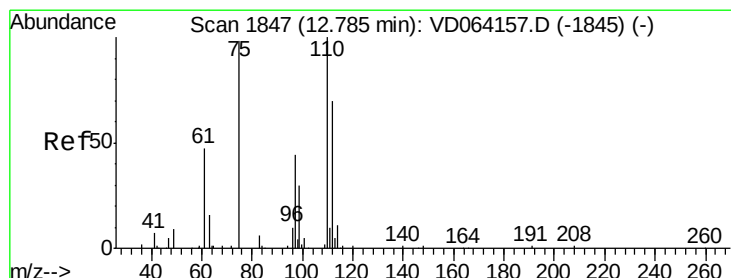
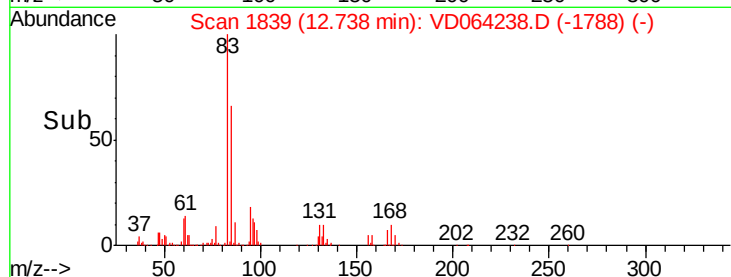
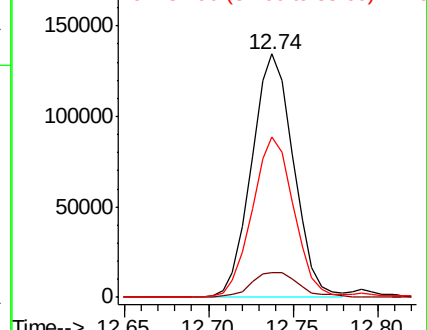
83 100

131 11.9 5.9 17.7

85 65.3 32.5 97.5



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



#76

1,2,3-Trichloropropane

Concen: 102.933 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064238.D

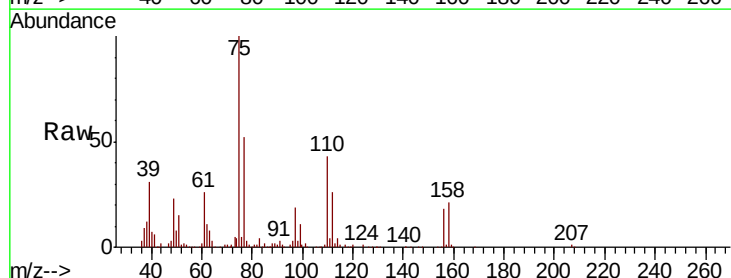
Acq: 15 Nov 2019 20:22

Tgt Ion: 75 Resp: 313046

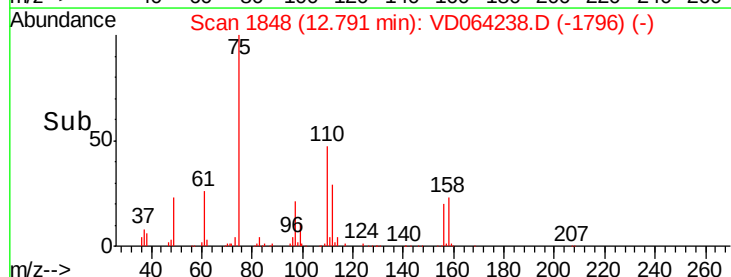
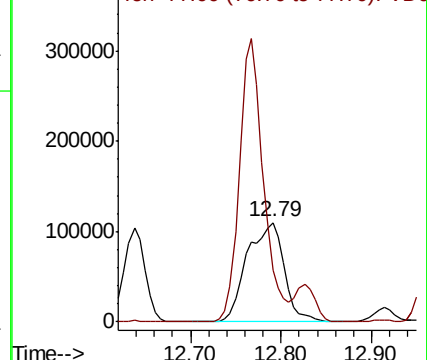
Ion Ratio Lower Upper

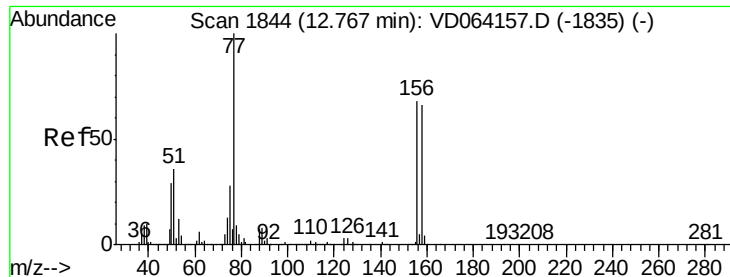
75 100

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: 54.130 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

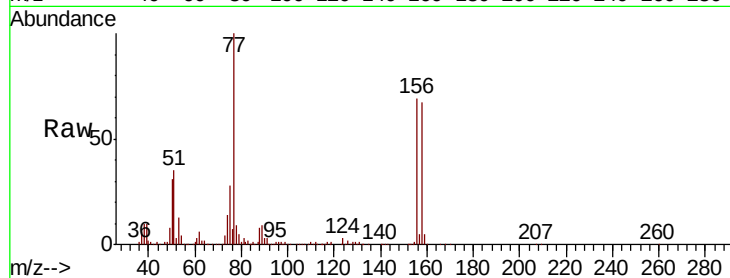
Tot Ion:156 Resp: 364458

Ion Ratio Lower Upper

156 100

77 159.3 81.2 243.4

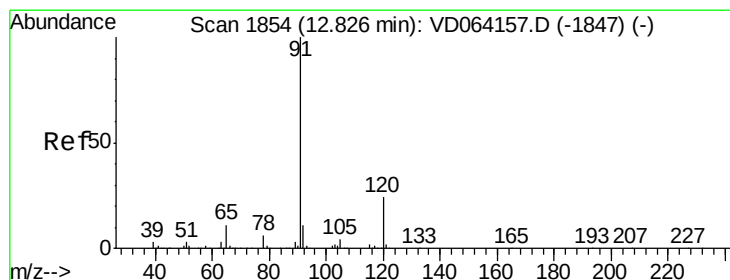
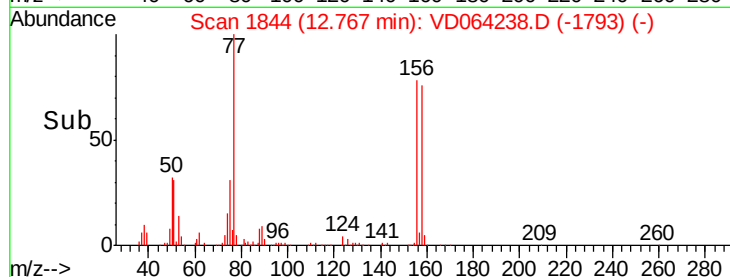
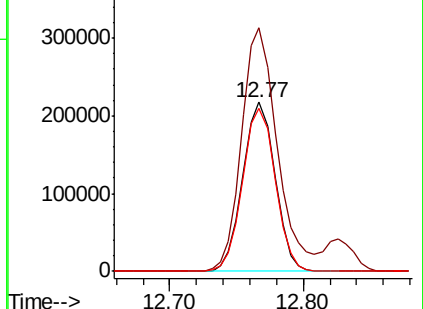
158 97.4 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.529 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064238.D

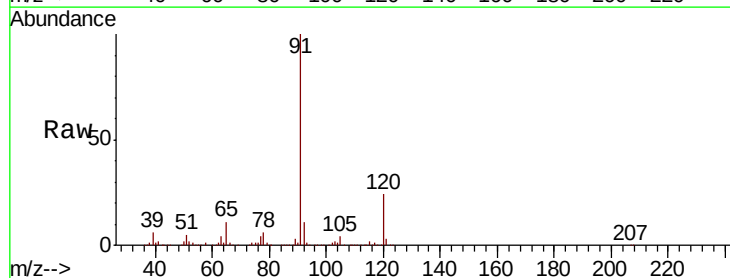
Acq: 15 Nov 2019 20:22

Tgt Ion: 91 Resp: 1599945

Ion Ratio Lower Upper

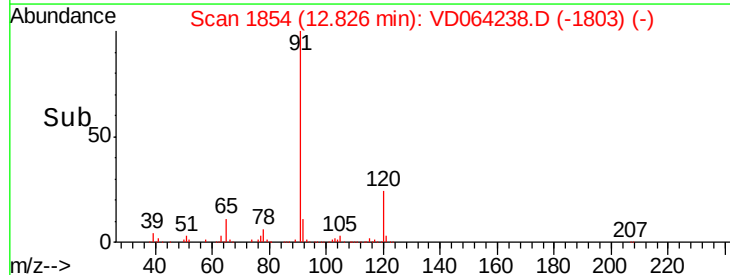
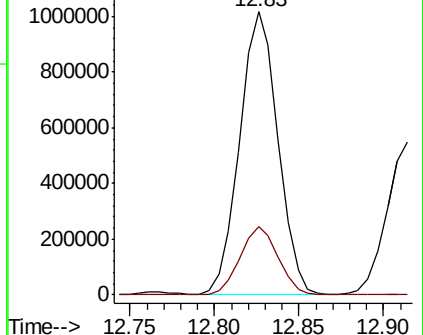
91 100

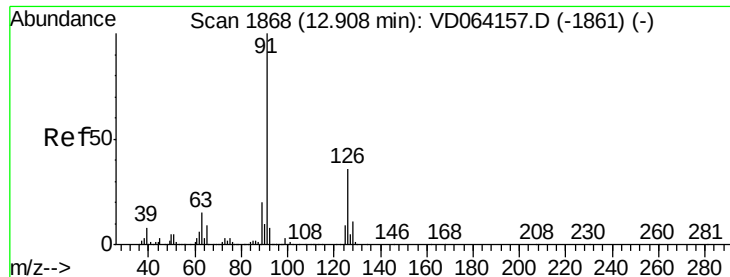
120 24.0 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

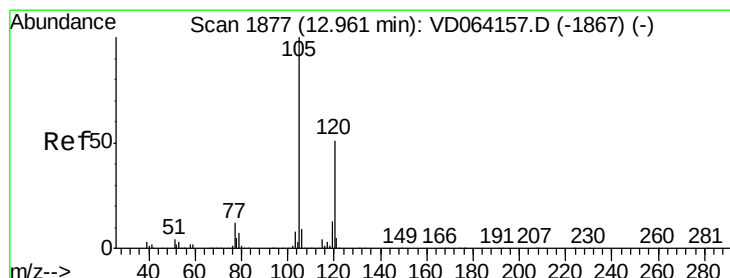
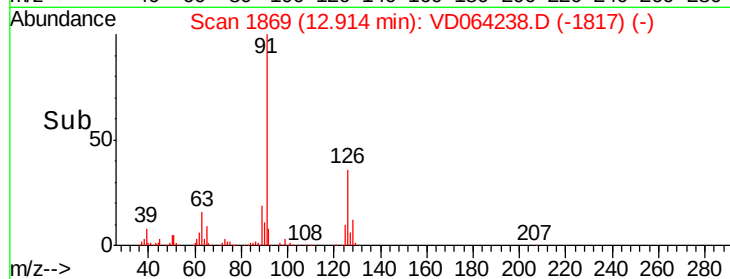
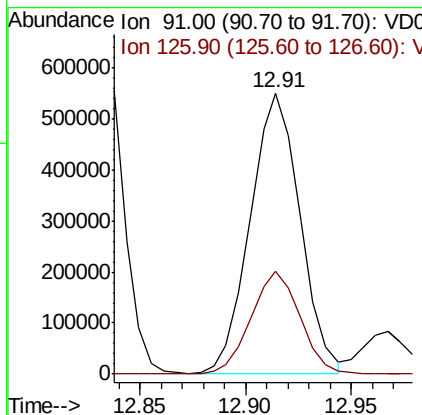
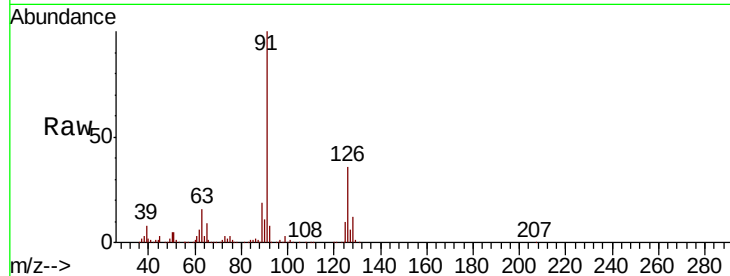




#79
 2-Chlorotoluene
 Concen: 50.427 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

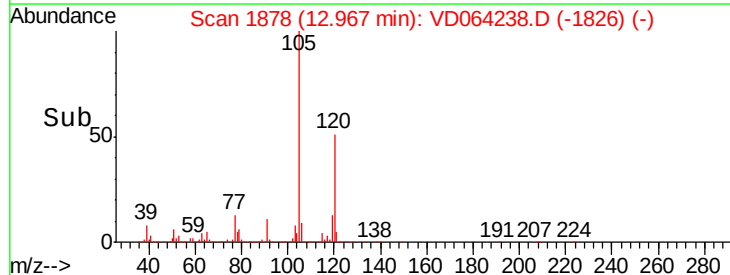
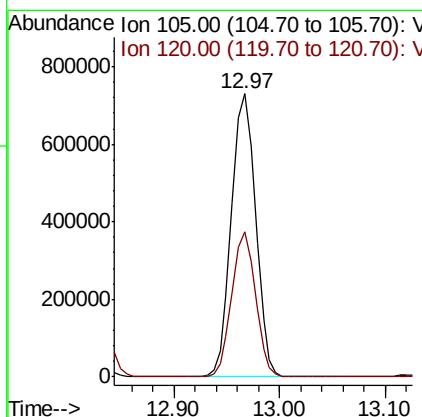
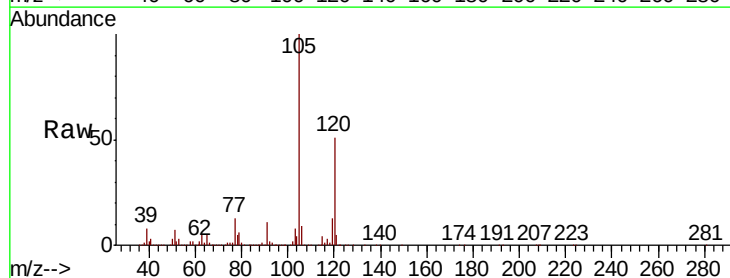
Instrument :
 MSVOA_D
 ClientSampled :

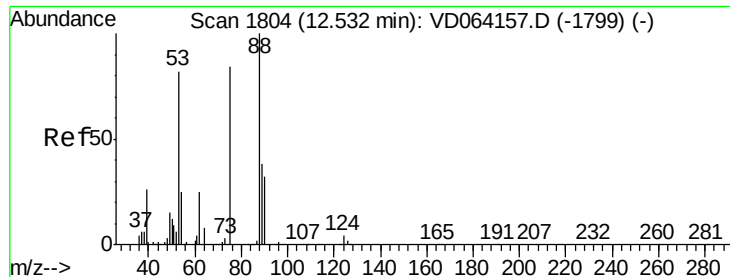
Tot Ion: 91 Resp: 901464
 Ion Ratio Lower Upper
 91 100
 126 36.1 17.7 53.1



#80
 1,3,5-Trimethylbenzene
 Concen: 50.898 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Tgt Ion: 105 Resp: 1159092
 Ion Ratio Lower Upper
 105 100
 120 50.3 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 50.649 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

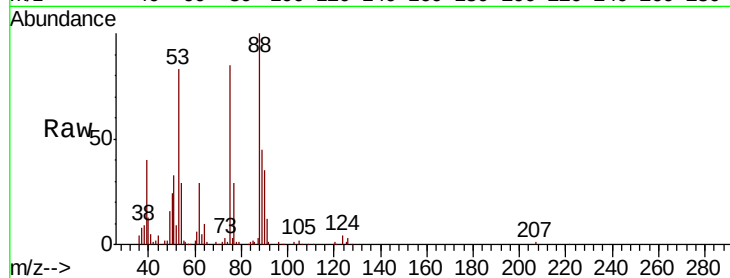
Tot Ion: 75 Resp: 77547

Ion	Ratio	Lower	Upper
75	100		
53	99.2	79.4	119.0
89	47.4	36.6	55.0

75 100

53 99.2 79.4 119.0

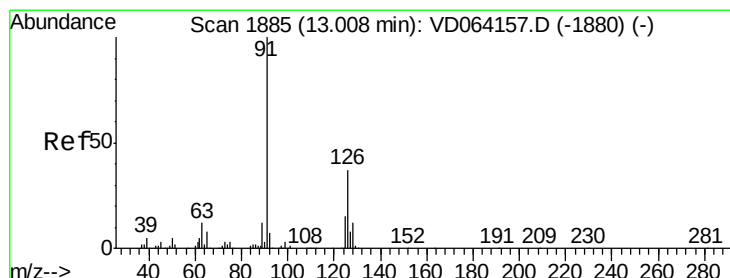
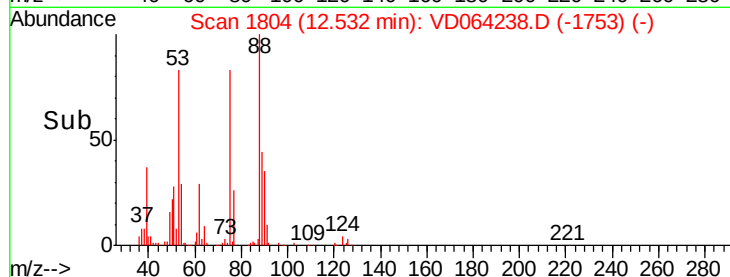
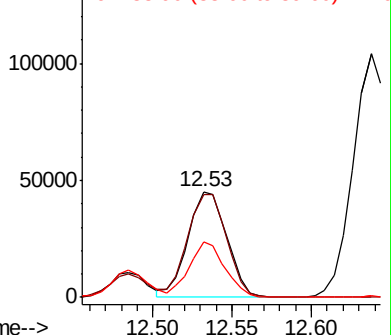
89 47.4 36.6 55.0



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: 52.041 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064238.D

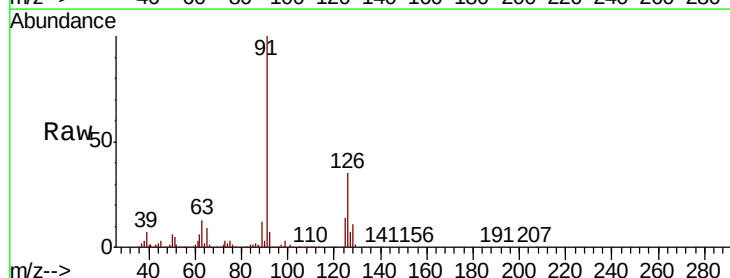
Acq: 15 Nov 2019 20:22

Tgt Ion: 91 Resp: 970344

Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.8	53.4

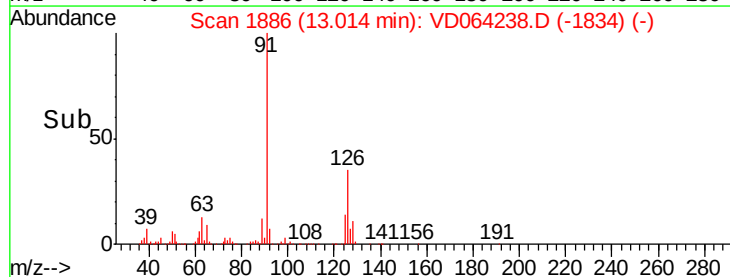
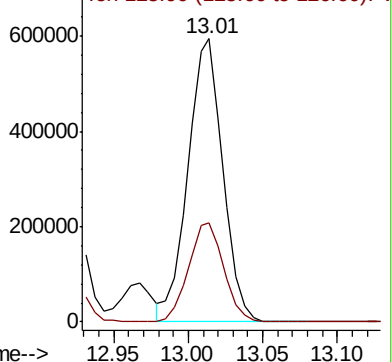
91 100

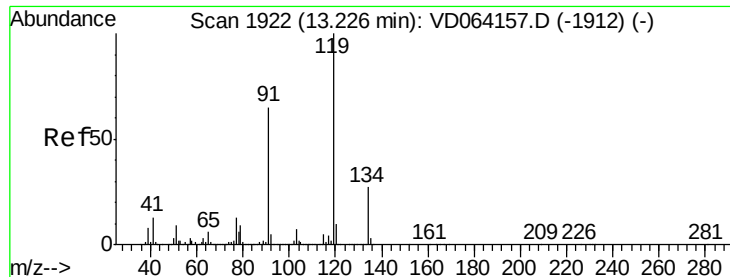
126 35.4 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

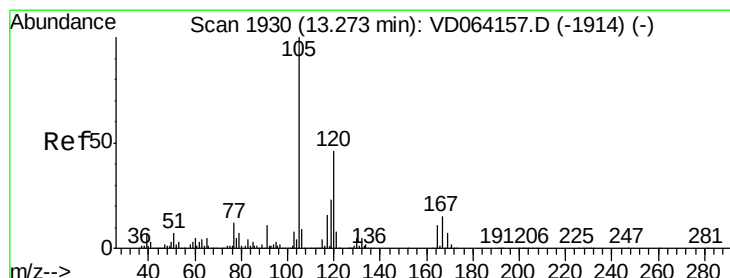
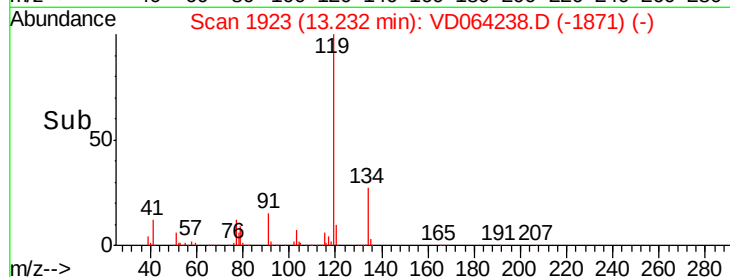
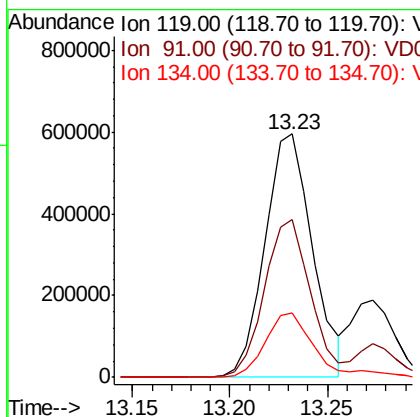
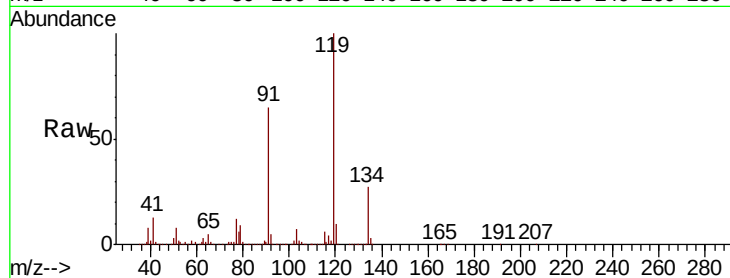




#83
 tert-Butylbenzene
 Concen: 50.077 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

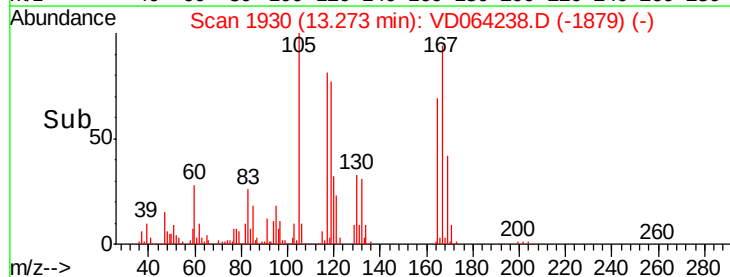
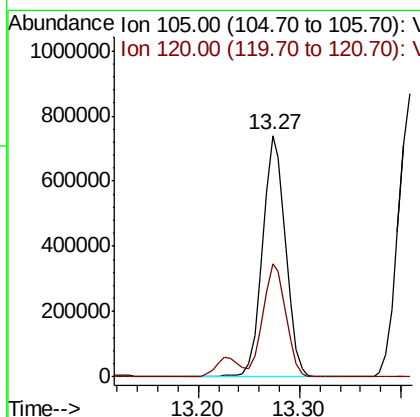
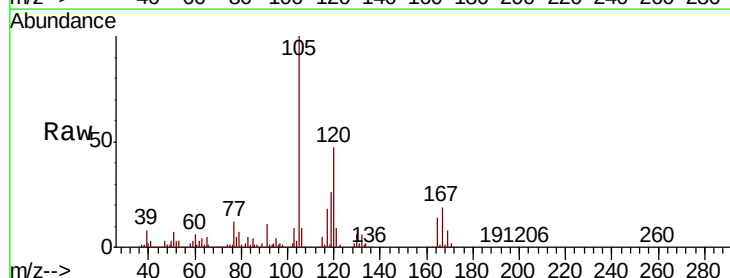
Instrument :
 MSVOA_D
 ClientSampleId :

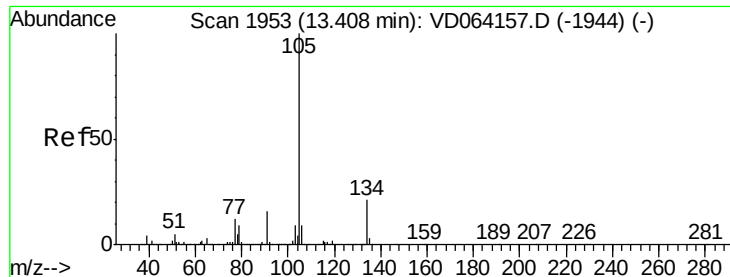
Tot Ion:119 Resp: 1005560
 Ion Ratio Lower Upper
 119 100
 91 62.5 31.8 95.4
 134 27.8 13.7 41.0



#84
 1,2,4-Trimethylbenzene
 Concen: 51.486 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Tgt Ion:105 Resp: 1157541
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.3 69.8





#85

sec-Butylbenzene

Concen: 49.592 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

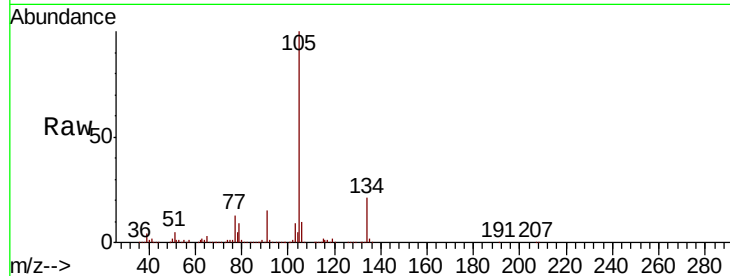
ClientSampleId :

Tot Ion:105 Resp: 1337488

Ion Ratio Lower Upper

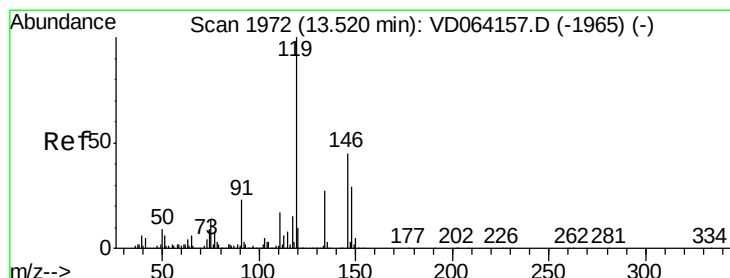
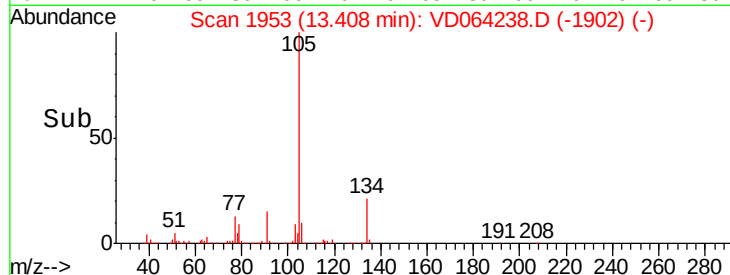
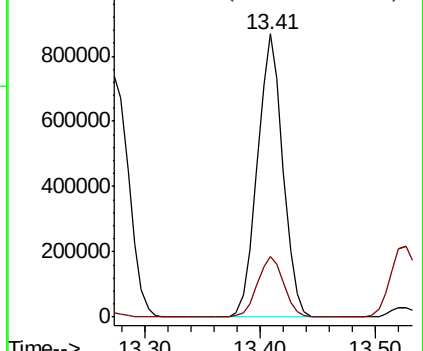
105 100

134 21.9 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.235 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

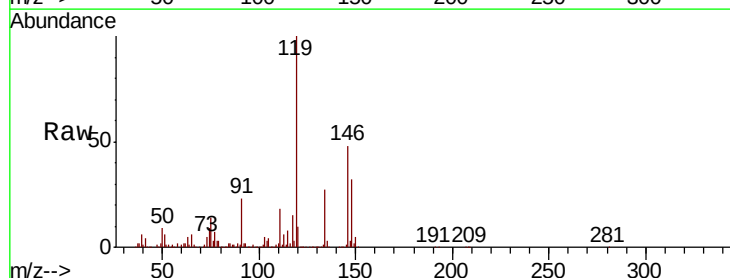
Tgt Ion:119 Resp: 1288035

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

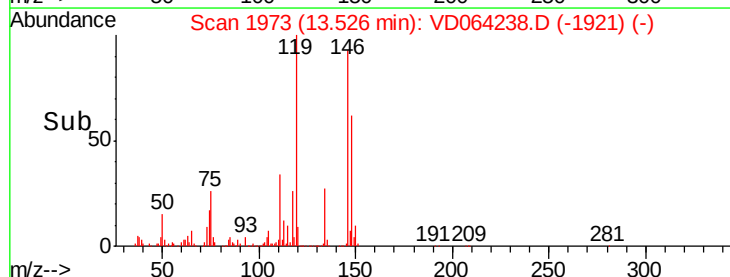
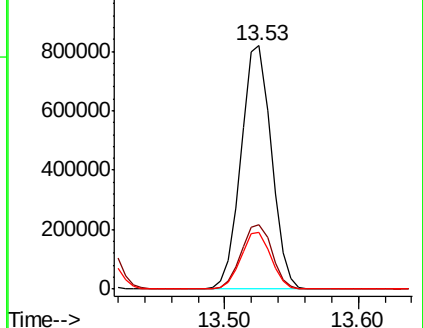
91 23.0 11.5 34.4

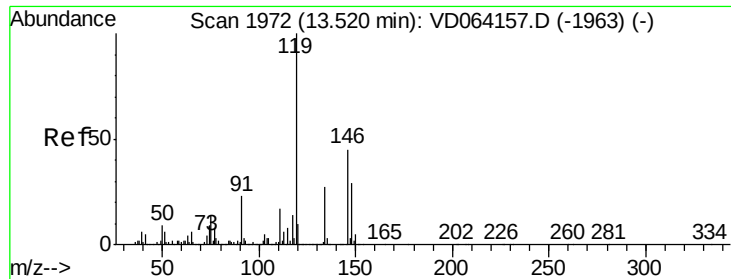


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

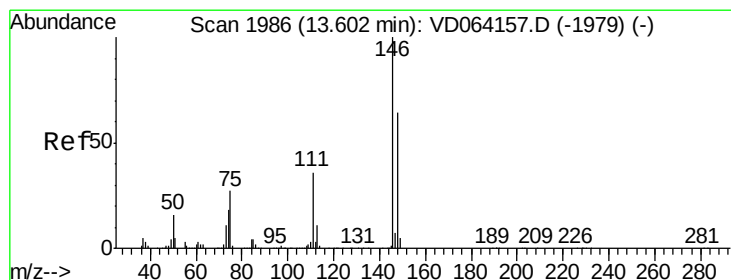
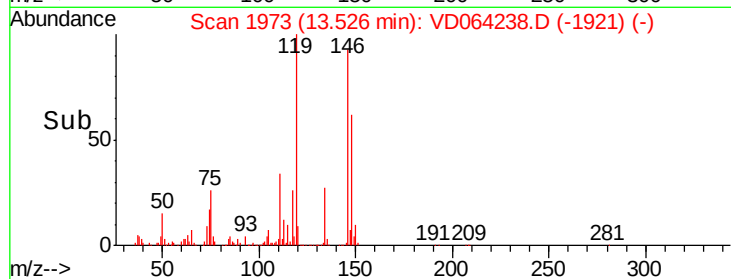
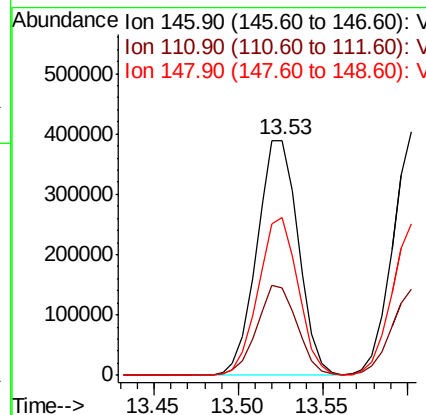
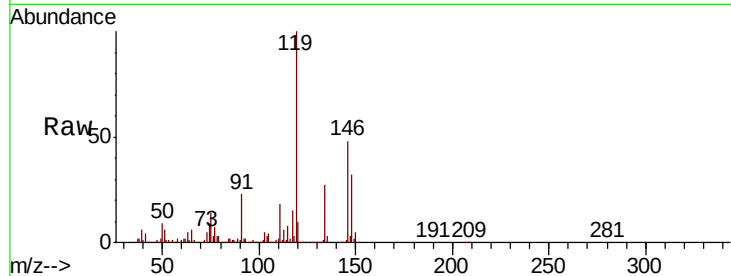




#87
 1,3-Dichlorobenzene
 Concen: 53.161 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

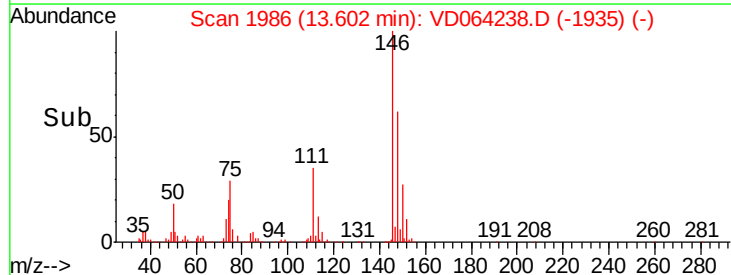
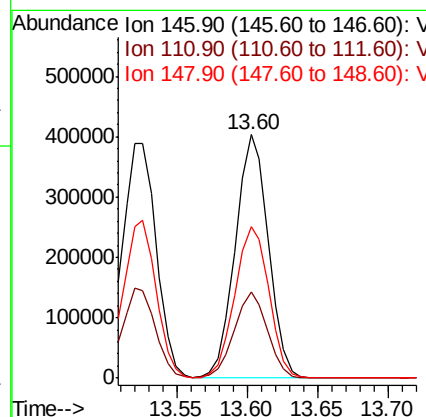
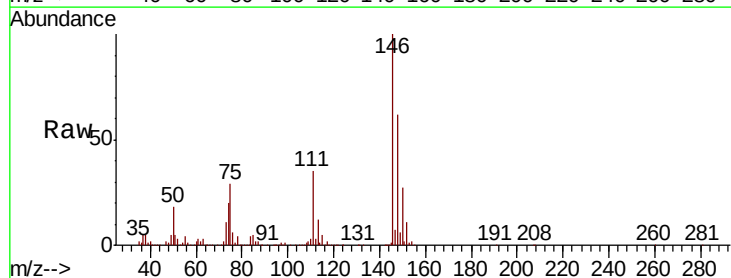
Instrument :
 MSVOA_D
 ClientSampled :

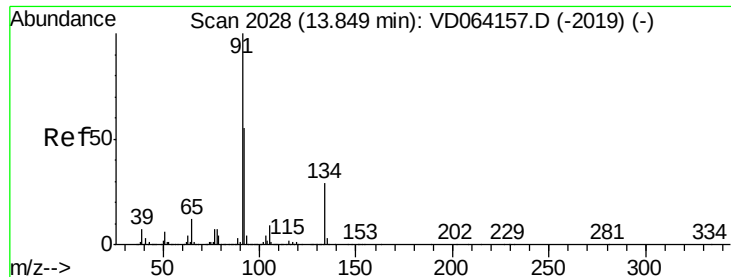
Tot Ion:146 Resp: 664421
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.9 56.9
 148 64.9 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 53.975 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Tgt Ion:146 Resp: 658400
 Ion Ratio Lower Upper
 146 100
 111 35.5 18.1 54.4
 148 64.1 31.9 95.7

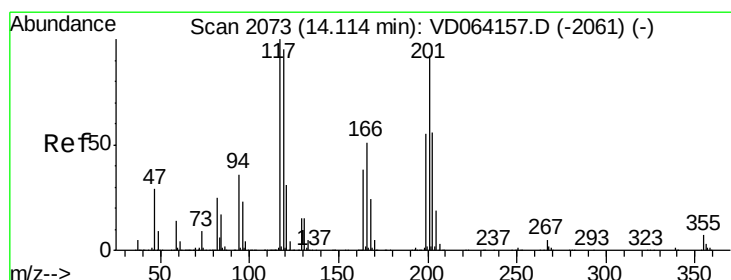
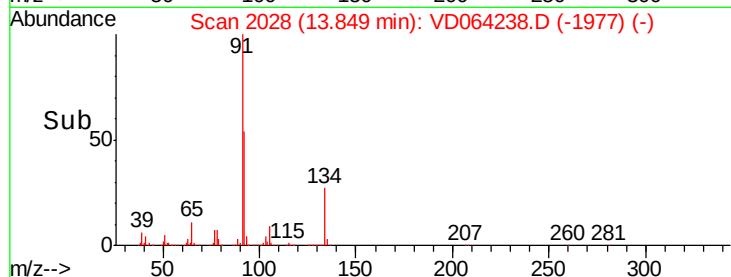
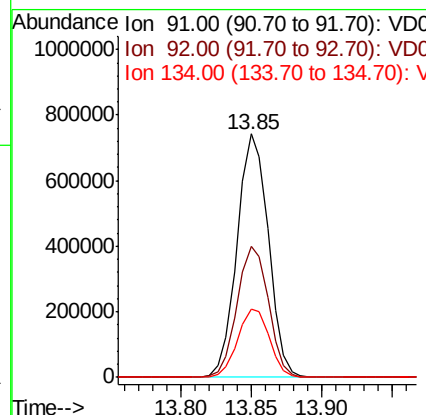
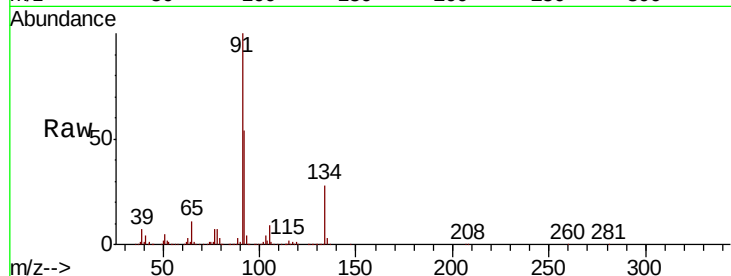




#89
n-Butylbenzene
Concen: 49.471 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

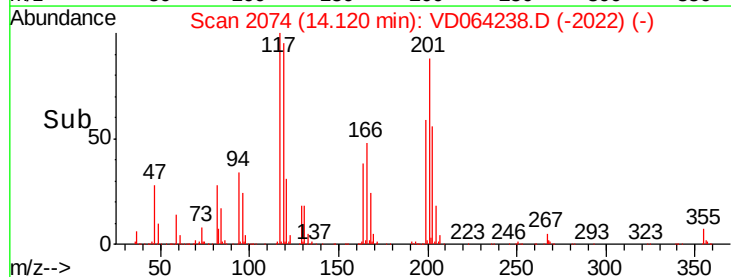
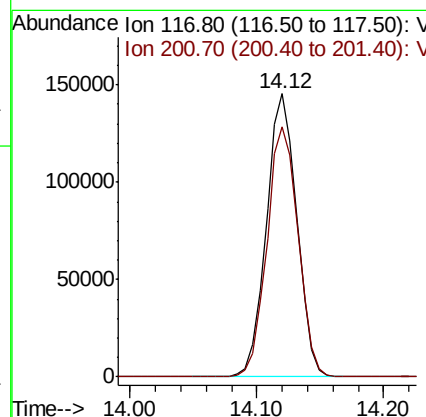
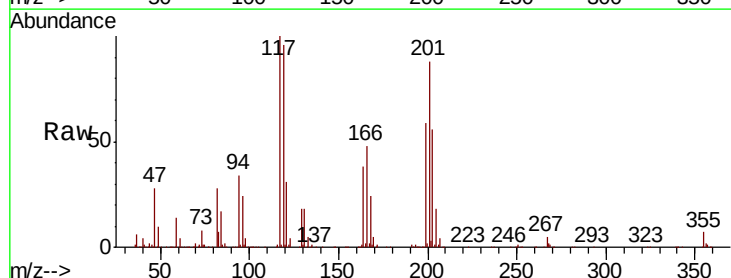
Instrument :
MSVOA_D
ClientSampled :

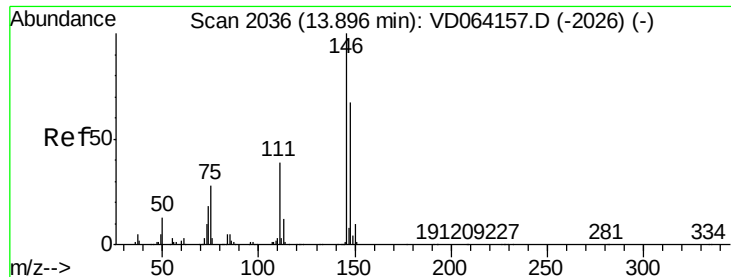
Tot Ion: 91 Resp: 1145970
Ion Ratio Lower Upper
91 100
92 54.3 27.3 81.8
134 28.5 14.1 42.4



#90
Hexachloroethane
Concen: 51.216 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion: 117 Resp: 242689
Ion Ratio Lower Upper
117 100
201 90.7 45.8 137.4

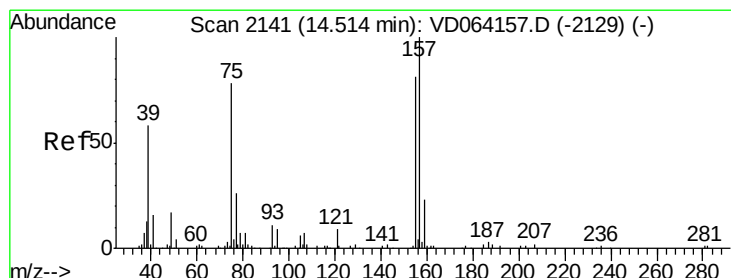
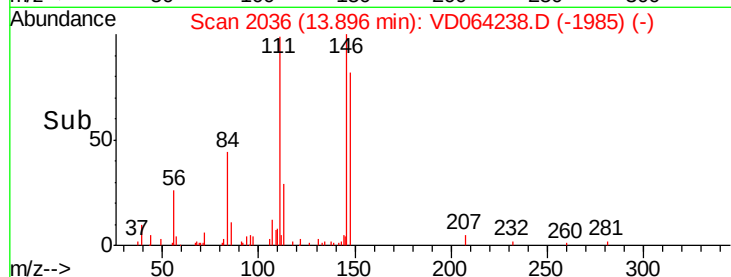
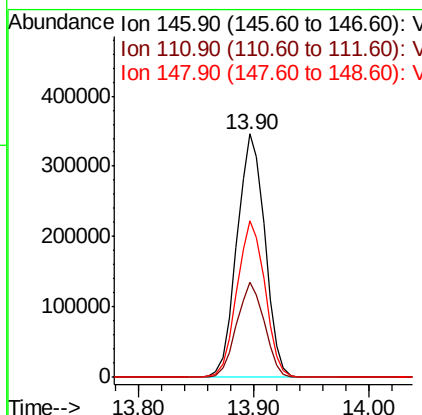
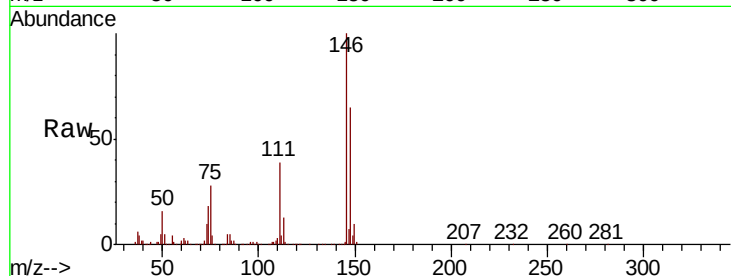




#91
 1,2-Dichlorobenzene
 Concen: 54.768 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

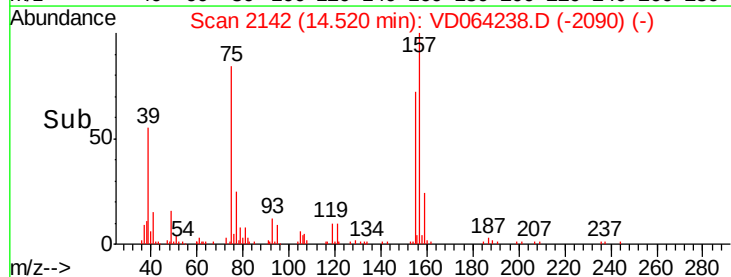
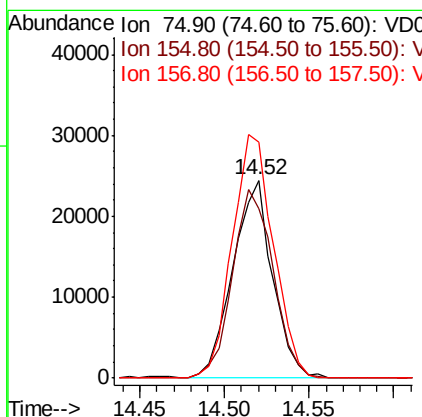
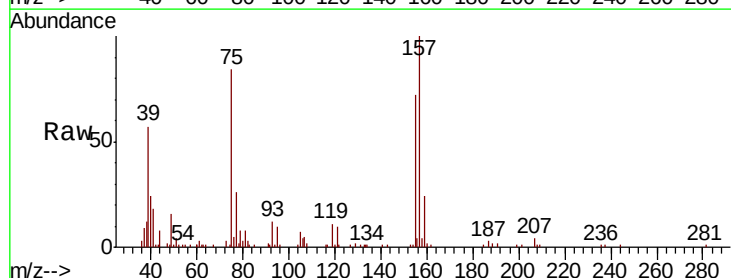
Instrument :
 MSVOA_D
 ClientSampleId :

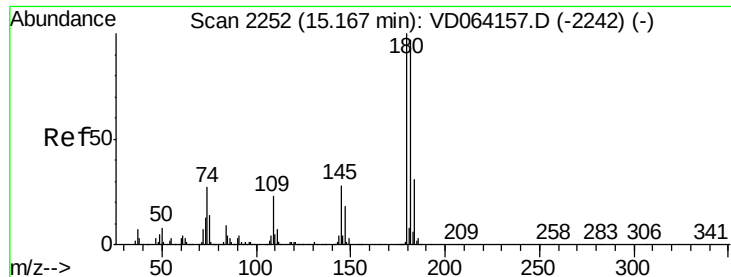
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	64.6	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.608 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.8	48.0	144.0
157	127.3	61.5	184.4

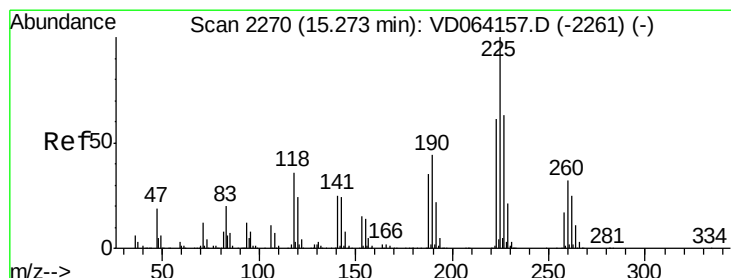
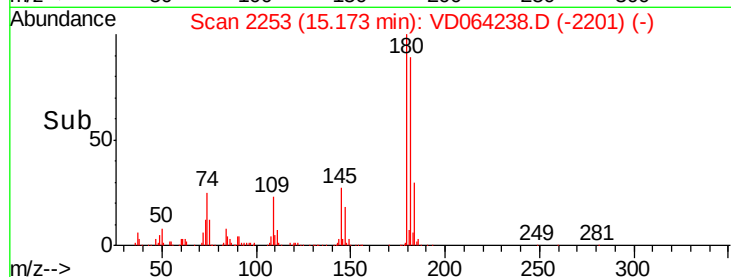
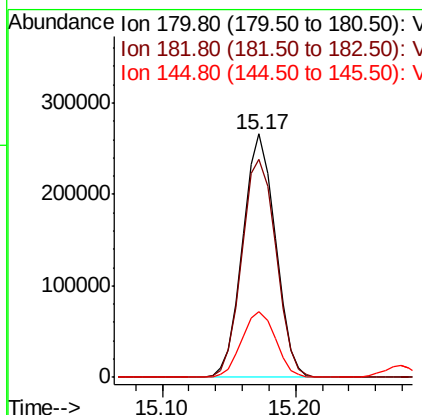
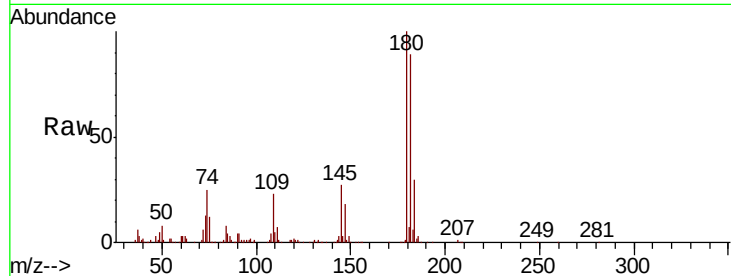




#93
 1,2,4-Trichlorobenzene
 Concen: 55.206 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

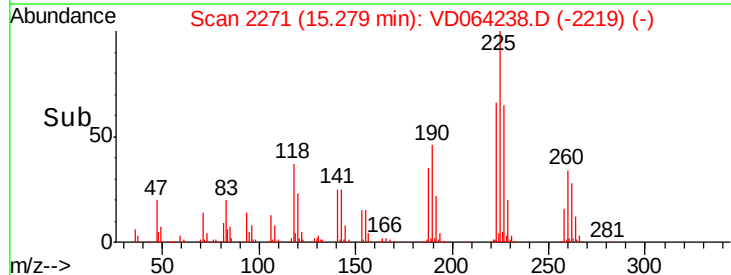
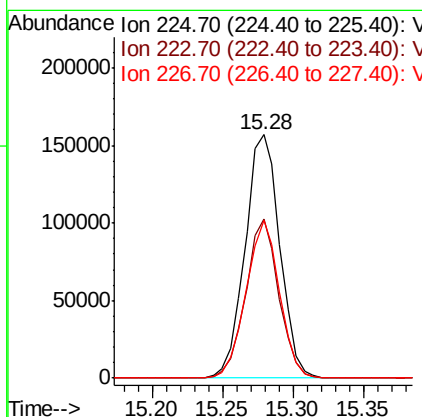
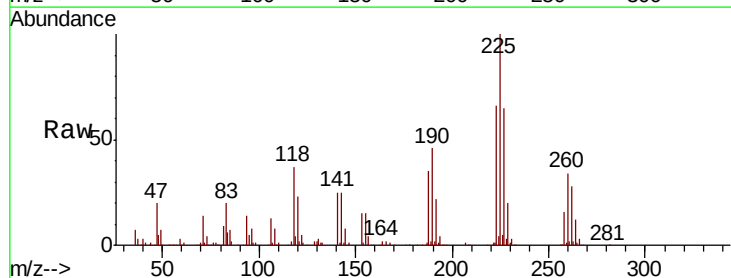
Instrument :
 MSVOA_D
 ClientSampleId :

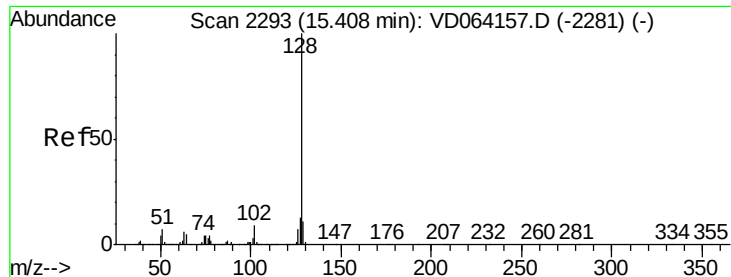
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.5	142.5
145	28.2	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 51.421 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.1	93.3
227	62.3	31.5	94.5





#95

Naphthalene

Concen: 56.557 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

ClientSampled :

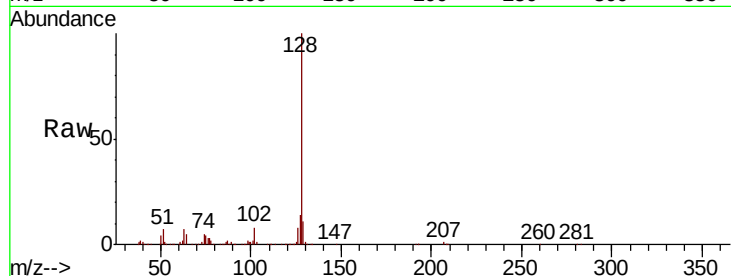
Tot Ion:128 Resp: 756566

Ion Ratio Lower Upper

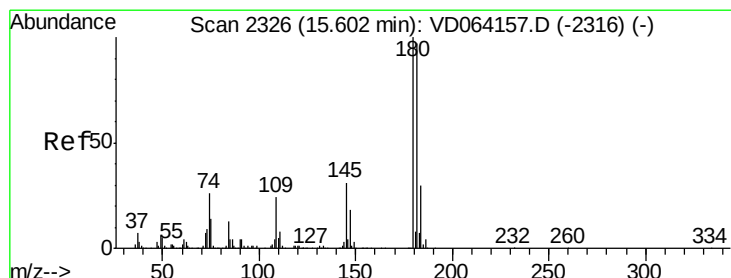
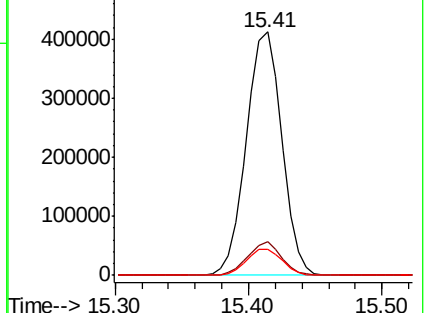
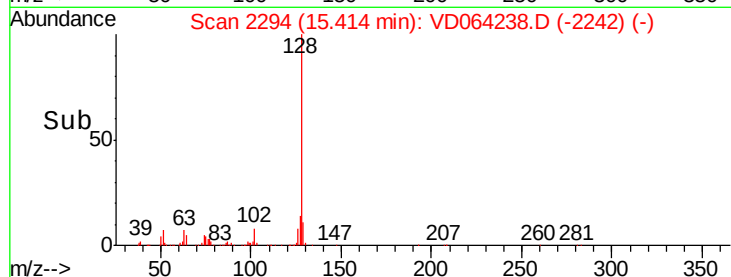
128 100

127 13.1 10.5 15.7

129 10.9 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: 56.141 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.01 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

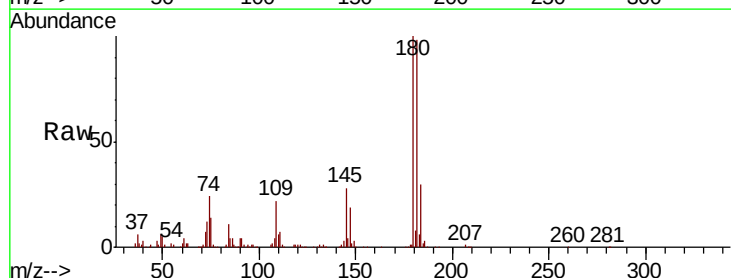
Tgt Ion:180 Resp: 389433

Ion Ratio Lower Upper

180 100

182 96.1 48.3 144.9

145 29.6 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

