

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111419\
 Data File : VD064210.D
 Acq On : 14 Nov 2019 12:44
 Operator : VA/SY
 Sample : VD1114SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 15 05:51:15 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	646130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	905614	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	787148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	375820	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	270723	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
35) Dibromofluoromethane	7.91	113	270957	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	
50) Toluene-d8	10.34	98	1038334	52.95	ug/l	0.00
Spiked Amount			Recovery	=	105.90%	
62) 4-Bromofluorobenzene	12.63	95	344724	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	114336	21.336	ug/l	96
3) Chloromethane	2.21	50	134160	23.340	ug/l	98
4) Vinyl Chloride	2.35	62	148799	24.208	ug/l	100
5) Bromomethane	2.76	94	95133	24.510	ug/l	96
6) Chloroethane	2.91	64	97501	24.824	ug/l	91
7) Trichlorofluoromethane	3.26	101	247828	24.868	ug/l	96
8) Diethyl Ether	3.70	74	54608	19.929	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	120891	21.224	ug/l	97
10) Methyl Iodide	4.29	142	112232	18.591	ug/l	100
11) Tert butyl alcohol	5.25	59	33839	91.170	ug/l #	81
12) 1,1-Dichloroethene	4.06	96	117545	21.650	ug/l	96
13) Acrolein	3.93	56	27141	86.438	ug/l	95
14) Allyl chloride	4.70	41	188233	19.609	ug/l	93
15) Acrylonitrile	5.43	53	115774	99.107	ug/l	100
16) Acetone	4.17	43	104481	82.994	ug/l	94
17) Carbon Disulfide	4.39	76	352483	20.847	ug/l	99
18) Methyl Acetate	4.72	43	69899	19.879	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	260145	20.071	ug/l	97
20) Methylene Chloride	4.96	84	127776	20.093	ug/l	93
21) trans-1,2-Dichloroethene	5.46	96	128242	20.848	ug/l	91
22) Diisopropyl ether	6.37	45	352283	19.779	ug/l	97
23) Vinyl Acetate	6.31	43	998348	100.555	ug/l	99
24) 1,1-Dichloroethane	6.26	63	218966	21.173	ug/l	99
25) 2-Butanone	7.22	43	151148	92.932	ug/l	94
26) 2,2-Dichloropropane	7.20	77	203370	20.053	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	140529	21.304	ug/l	97
28) Bromochloromethane	7.54	49	65597	18.219	ug/l	96
29) Tetrahydrofuran	7.56	42	96519	98.772	ug/l	98
30) Chloroform	7.71	83	228285	21.580	ug/l	99
31) Cyclohexane	7.98	56	215756	20.687	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	211337	20.864	ug/l	99
36) 1,1-Dichloropropene	8.11	75	176170	21.078	ug/l	99
37) Ethyl Acetate	7.30	43	69571	19.745	ug/l	99
38) Carbon Tetrachloride	8.09	117	191456	21.408	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	227022	21.466	ug/l	98
40) Benzene	8.35	78	483682	21.175	ug/l	98
41) Methacrylonitrile	7.53	41	36736	16.588	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	144198	21.018	ug/l	100
43) Isopropyl Acetate	8.46	43	139432	19.206	ug/l	99
44) Trichloroethene	9.11	130	147719	21.546	ug/l	99
45) 1,2-Dichloropropane	9.38	63	117742	21.177	ug/l	97
46) Dibromomethane	9.47	93	59226	19.898	ug/l	99
47) Bromodichloromethane	9.66	83	172659	21.535	ug/l	95
48) Methyl methacrylate	9.46	41	69452	19.564	ug/l	98
49) 1,4-Dioxane	9.47	88	14346	401.313	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	339223	97.437	ug/l	100
52) Toluene	10.40	92	317357	21.128	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	163585	20.366	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	193461	20.640	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	84634	20.960	ug/l	98
56) Ethyl methacrylate	10.66	69	108262	19.167	ug/l	96
57) 1,3-Dichloropropane	10.95	76	142853	20.286	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	231944	101.373	ug/l	99
59) 2-Hexanone	10.99	43	234495	94.674	ug/l	100
60) Dibromochloromethane	11.14	129	117420	20.840	ug/l	99
61) 1,2-Dibromoethane	11.25	107	84706	20.945	ug/l	98
64) Tetrachloroethene	10.87	164	128735	21.265	ug/l	98
65) Chlorobenzene	11.67	112	333801	20.854	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	120506	19.799	ug/l	98
67) Ethyl Benzene	11.74	91	617015	21.311	ug/l	99
68) m/p-Xylenes	11.86	106	451103	40.648	ug/l	99
69) o-Xylene	12.18	106	213387	20.732	ug/l	99
70) Styrene	12.20	104	367065	20.431	ug/l	99
71) Bromoform	12.36	173	71074	20.519	ug/l #	98
73) Isopropylbenzene	12.48	105	591834	21.455	ug/l	99
74) N-amyl acetate	12.29	43	127241	19.533	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	88417	21.272	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	120134	39.686	ug/l #	100
77) Bromobenzene	12.76	156	135102	20.160	ug/l	99
78) n-propylbenzene	12.83	91	655113	20.786	ug/l	100
79) 2-Chlorotoluene	12.91	91	360799	20.277	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	479280	21.145	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	29989	19.679	ug/l	99
82) 4-Chlorotoluene	13.01	91	378264	20.382	ug/l	100
83) tert-Butylbenzene	13.23	119	422956	21.162	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	472874	21.131	ug/l	99
85) sec-Butylbenzene	13.41	105	556295	20.723	ug/l	99
86) p-Isopropyltoluene	13.52	119	516703	20.246	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	258784	20.802	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	257680	21.223	ug/l	98
89) n-Butylbenzene	13.85	91	464826	20.160	ug/l	99
90) Hexachloroethane	14.11	117	95773	20.306	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	225075	21.376	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15330	20.628	ug/l	96

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

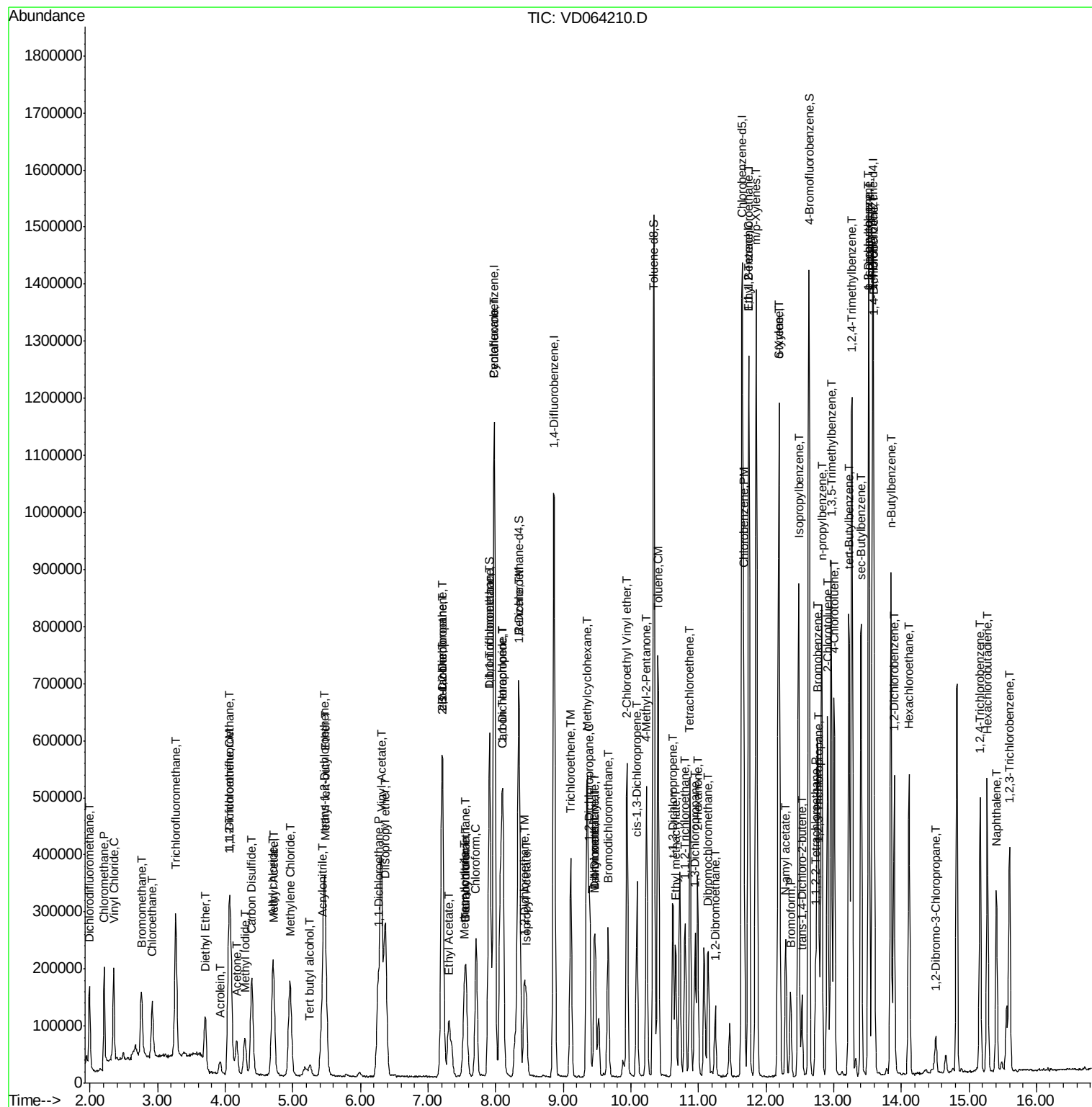
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	170431	20.983	ug/l	98
94) Hexachlorobutadiene	15.27	225	105856	20.177	ug/l	97
95) Naphthalene	15.41	128	282062	21.184	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	143655	20.806	ug/l	100

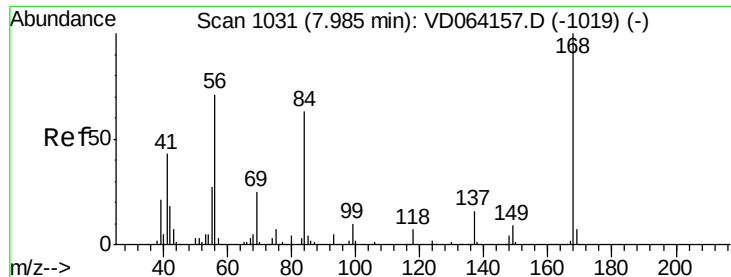
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111419\
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

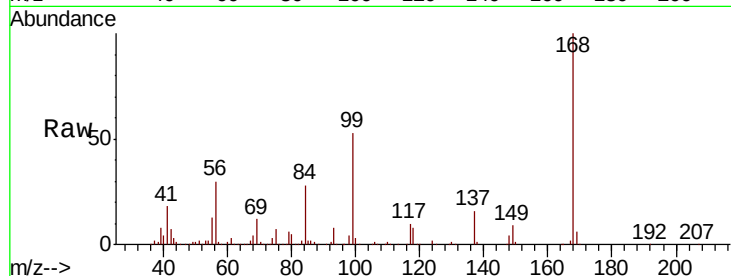
ClientSampleId :

Tot Ion:168 Resp: 646130

Ion Ratio Lower Upper

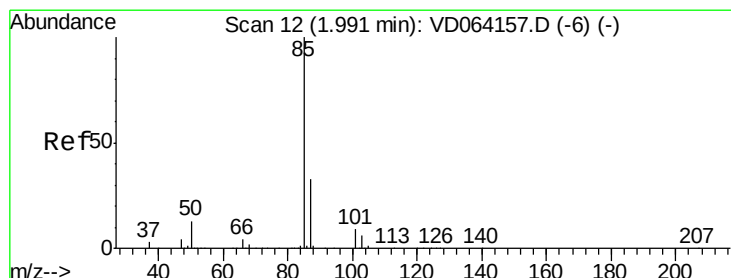
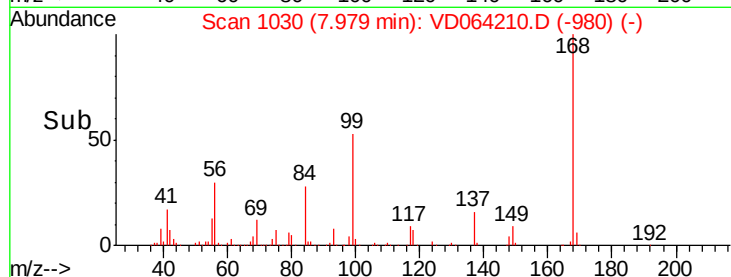
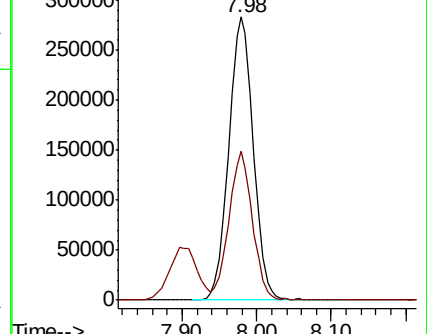
168 100

99 52.6 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.336 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064210.D

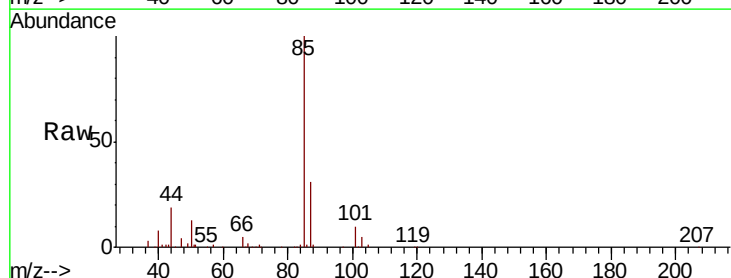
Acq: 14 Nov 2019 12:44

Tgt Ion: 85 Resp: 114336

Ion Ratio Lower Upper

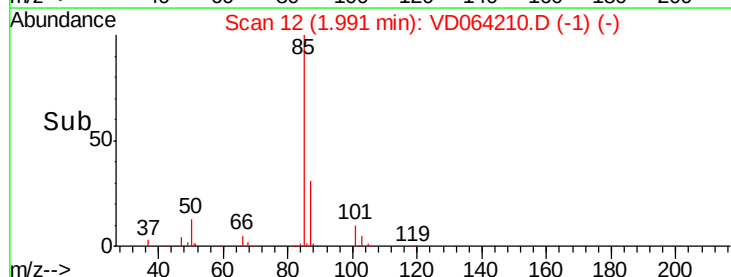
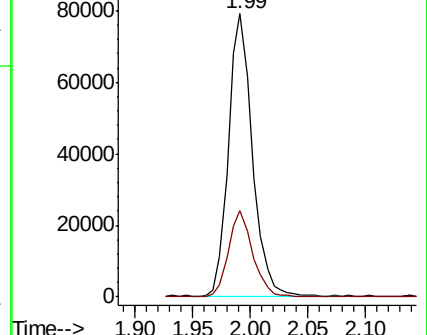
85 100

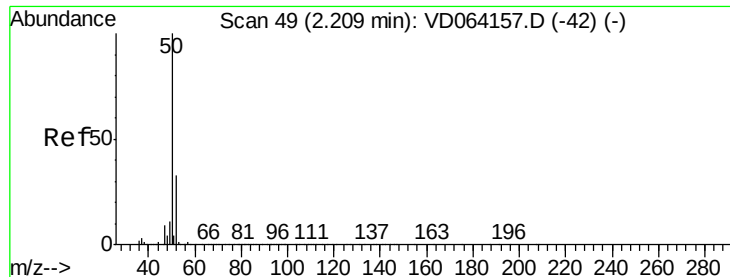
87 30.5 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.340 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

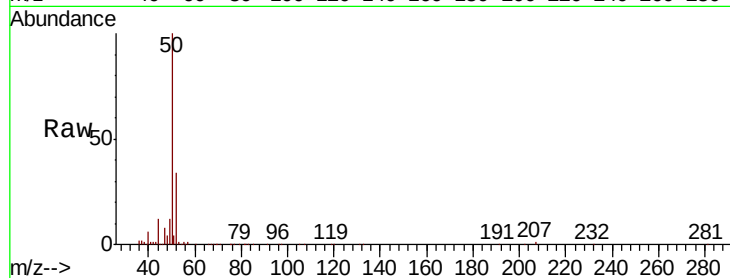
ClientSampleId :

Tot Ion: 50 Resp: 134160

Ion Ratio Lower Upper

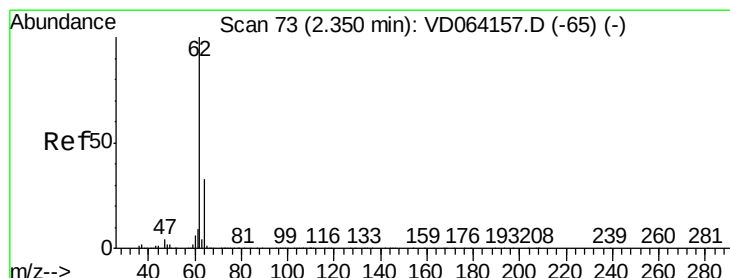
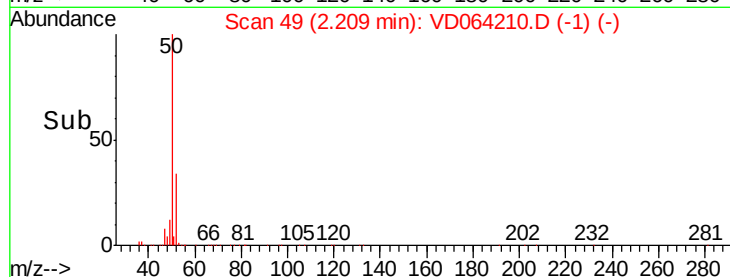
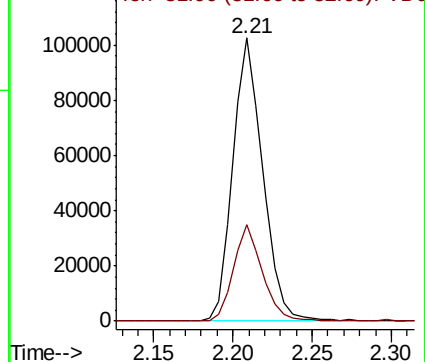
50 100

52 34.0 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 24.208 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064210.D

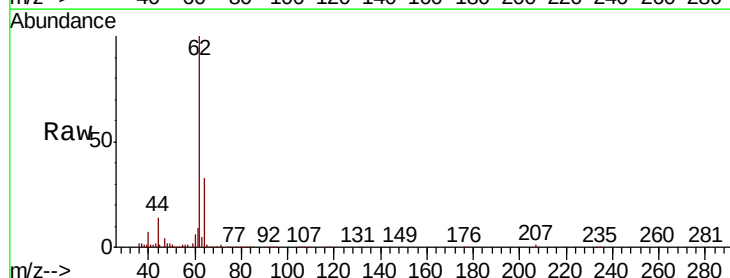
Acq: 14 Nov 2019 12:44

Tgt Ion: 62 Resp: 148799

Ion Ratio Lower Upper

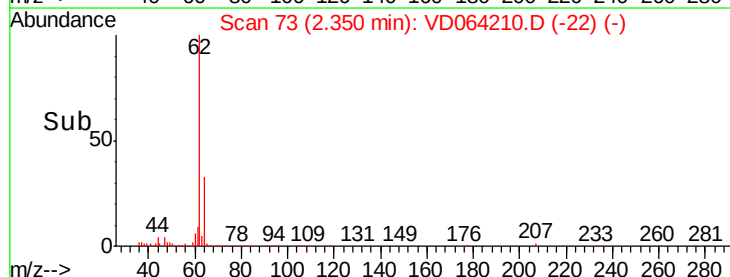
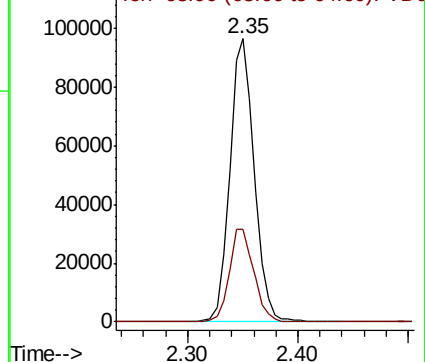
62 100

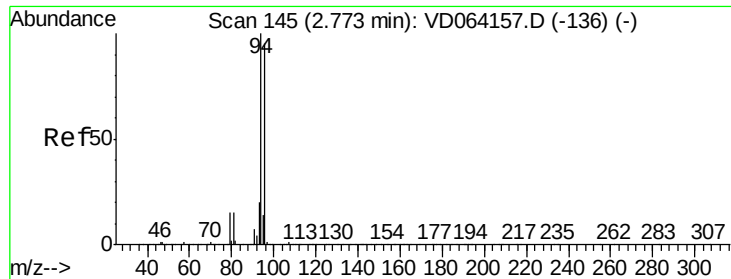
64 32.6 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 24.510 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

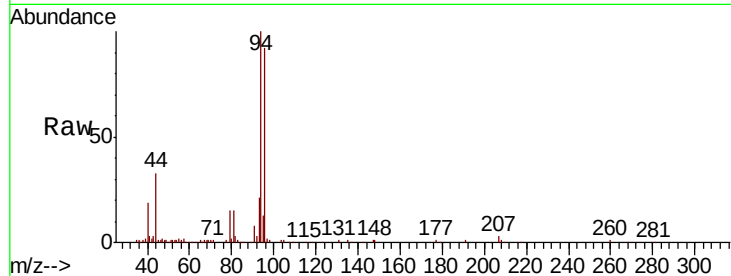
ClientSampleId :

Tot Ion: 94 Resp: 95133

Ion Ratio Lower Upper

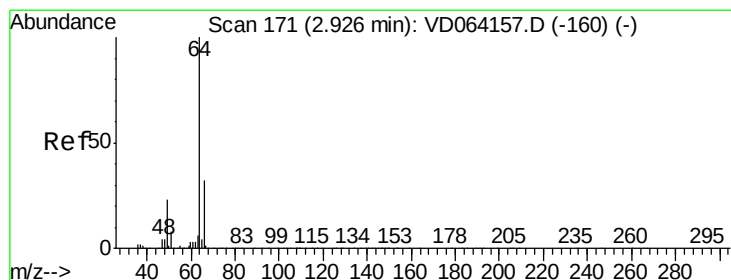
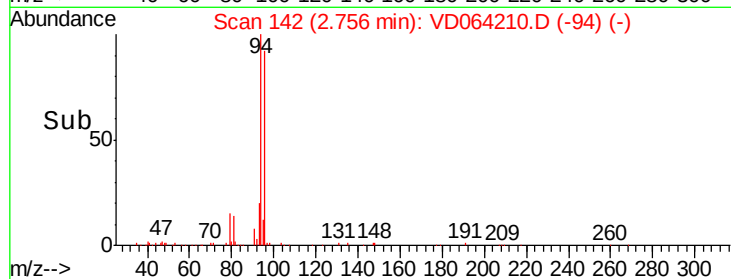
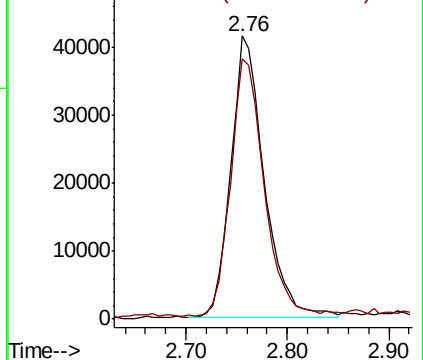
94 100

96 90.9 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: 24.824 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD064210.D

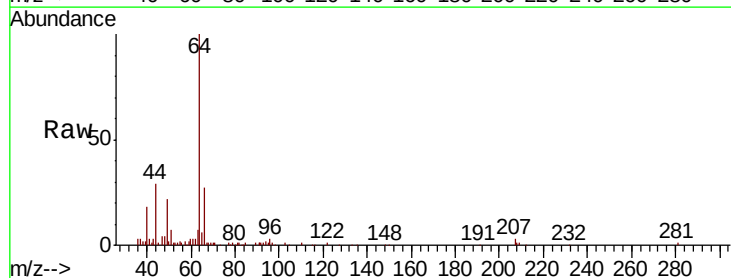
Acq: 14 Nov 2019 12:44

Tgt Ion: 64 Resp: 97501

Ion Ratio Lower Upper

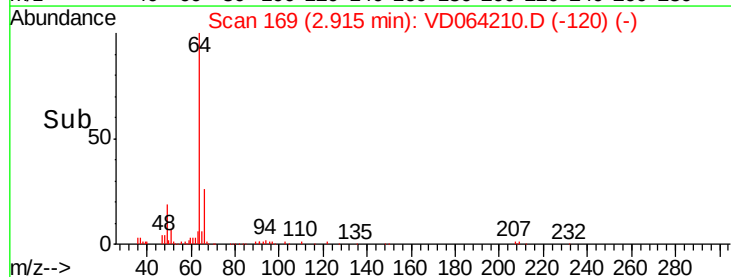
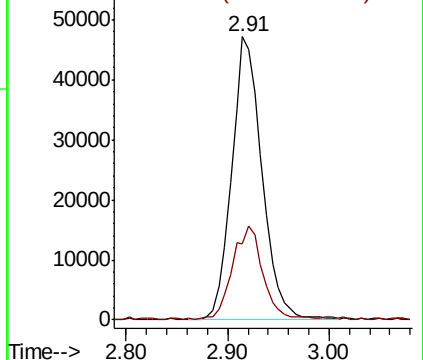
64 100

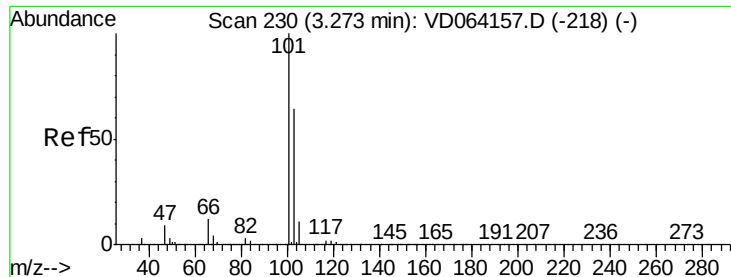
66 26.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



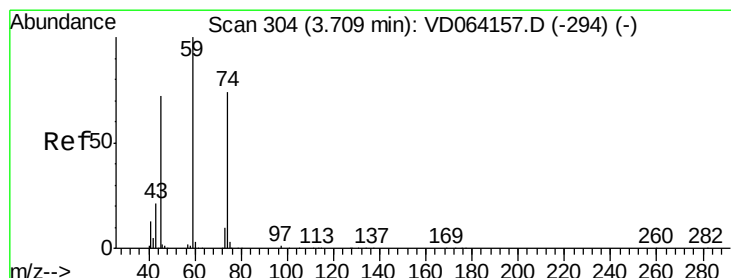
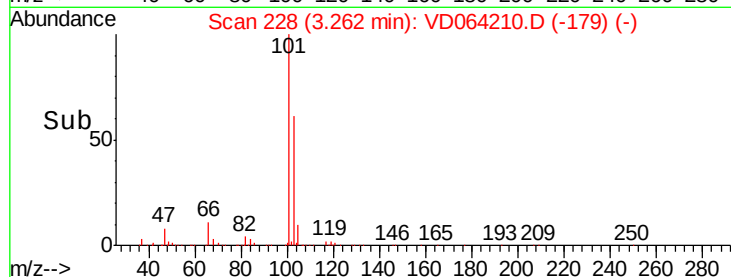
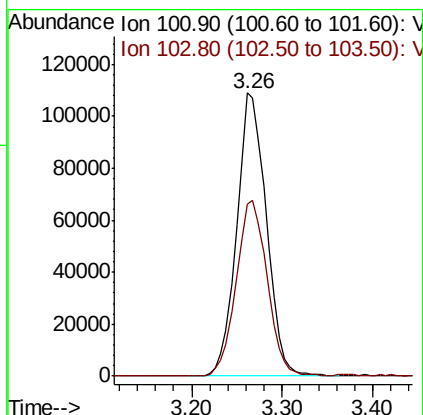
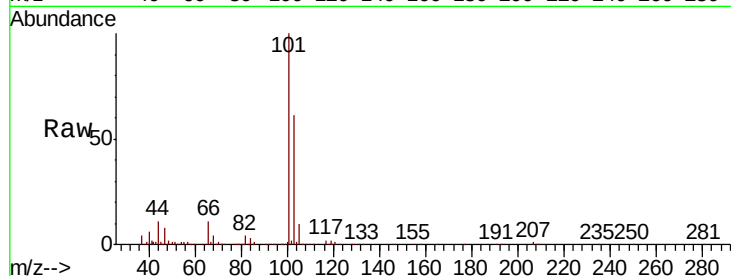


#7

Trichlorofluoromethane
Concen: 24.868 ug/l
RT: 3.26 min Scan# 228
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Instrument :
MSVOA_D
ClientSampleId :

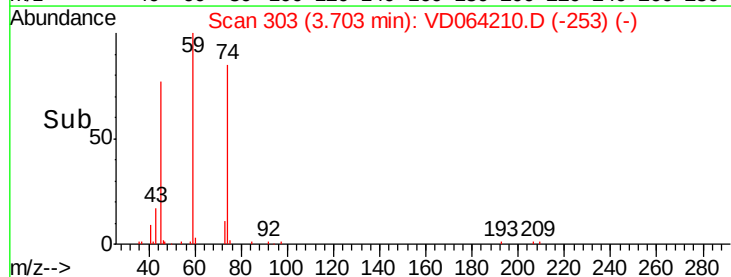
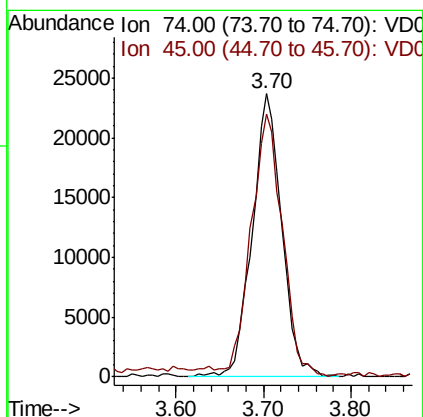
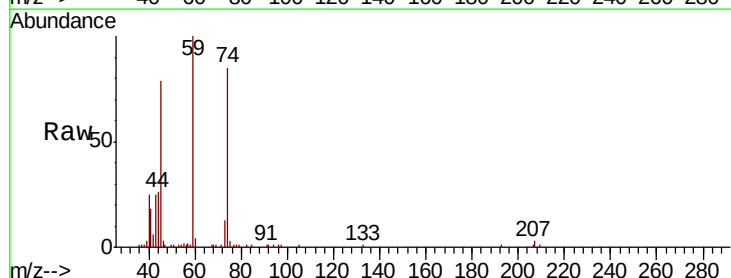
Tot Ion:101 Resp: 247828
Ion Ratio Lower Upper
101 100
103 60.5 50.8 76.2

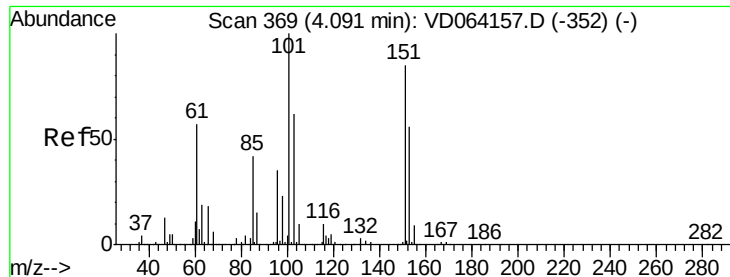


#8

Diethyl Ether
Concen: 19.929 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion: 74 Resp: 54608
Ion Ratio Lower Upper
74 100
45 99.0 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.224 ug/l

RT: 4.07 min Scan# 366

Delta R.T. -0.02 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

ClientSampleId :

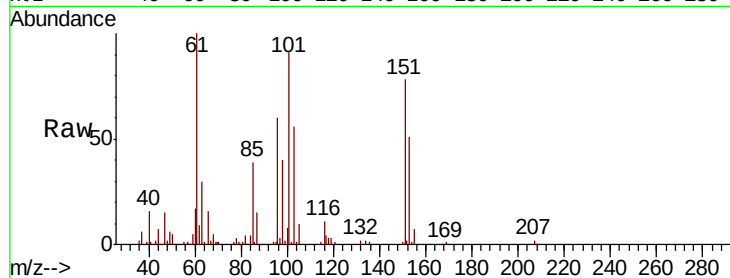
Tot Ion:101 Resp: 120891

Ion Ratio Lower Upper

101 100

85 45.1 34.4 51.6

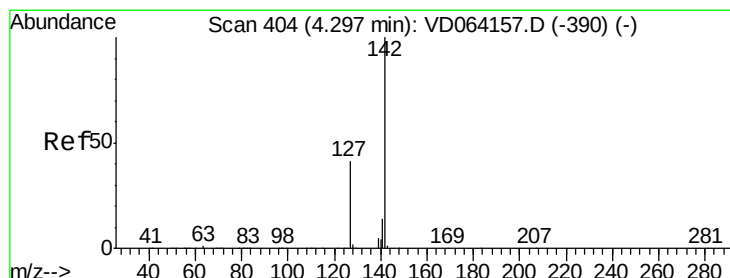
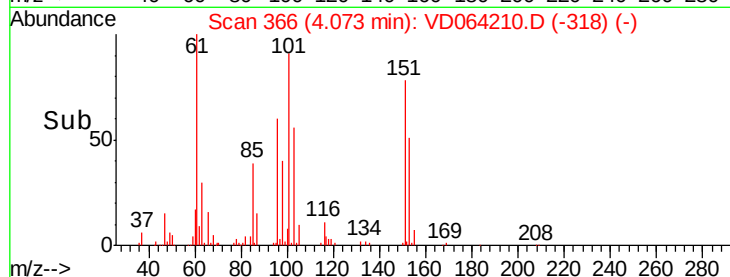
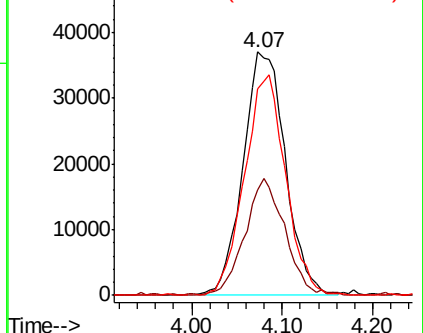
151 87.6 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.591 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

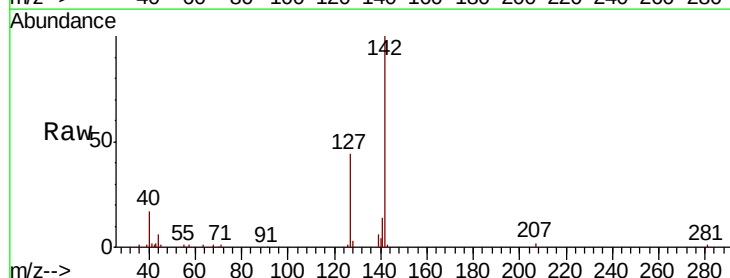
Tgt Ion:142 Resp: 112232

Ion Ratio Lower Upper

142 100

127 43.3 34.4 51.6

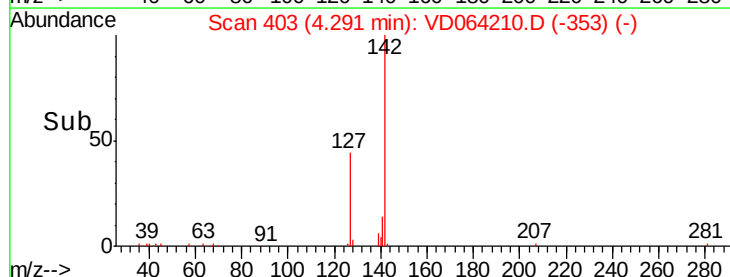
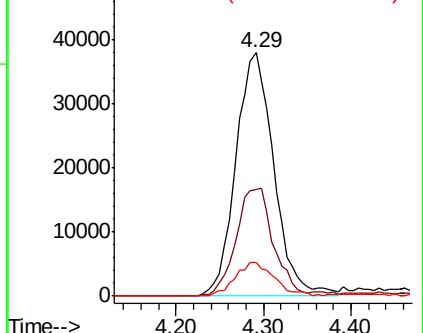
141 14.2 11.2 16.8

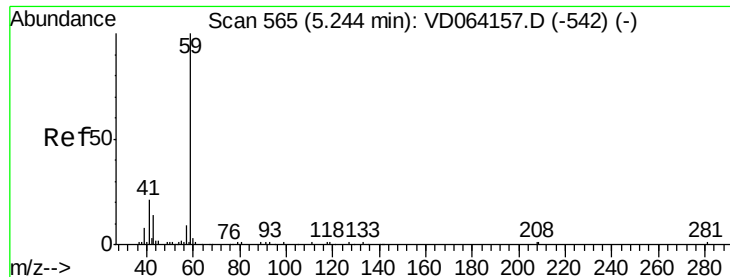


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

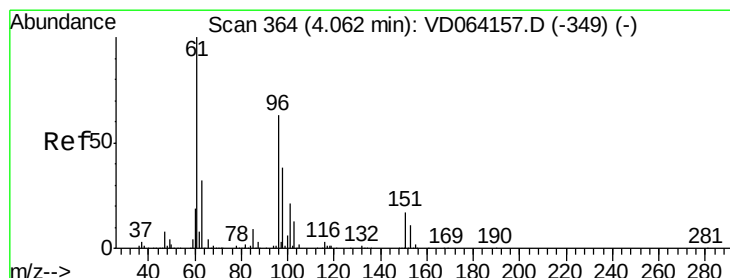
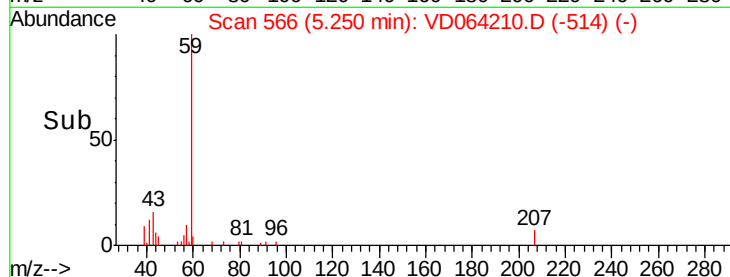
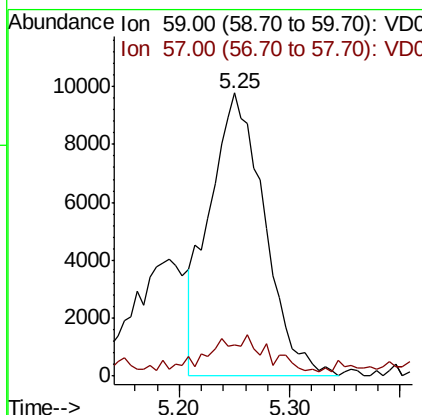
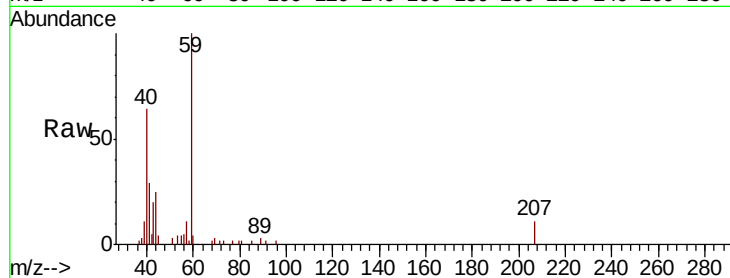




#11
Tert butyl alcohol
Concen: 91.170 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

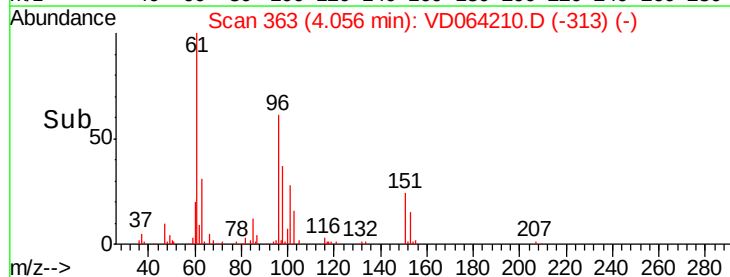
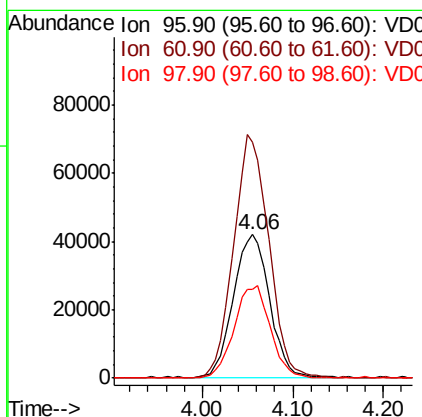
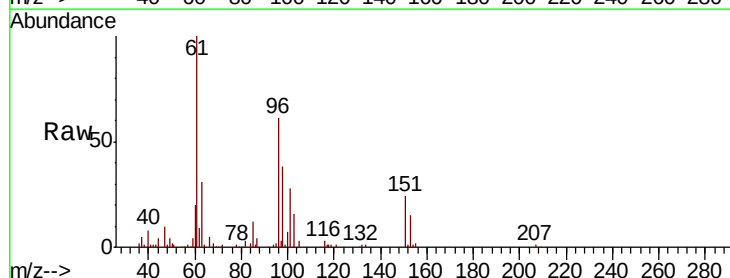
Instrument :
MSVOA_D
ClientSampled :

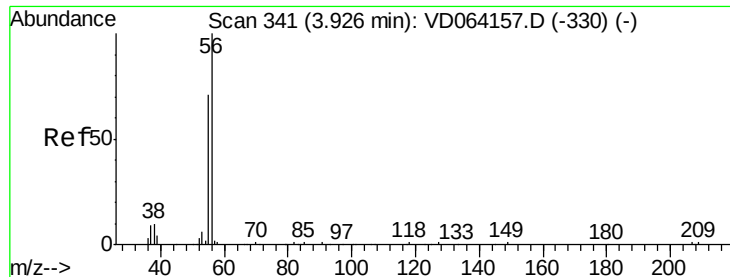
Tot Ion: 59 Resp: 33839
Ion Ratio Lower Upper
59 100
57 4.5 9.4 14.2#



#12
1,1-Dichloroethene
Concen: 21.650 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion: 96 Resp: 117545
Ion Ratio Lower Upper
96 100
61 164.7 127.4 191.2
98 61.9 48.1 72.1





#13

Acrolein

Concen: 86.438 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

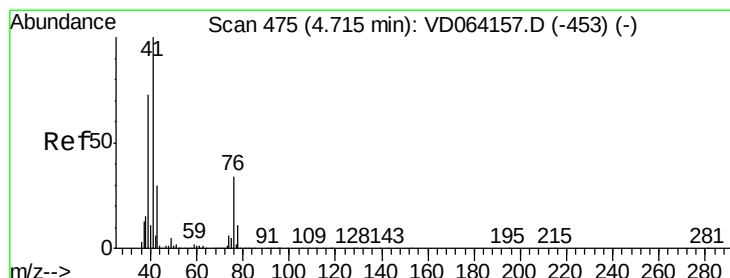
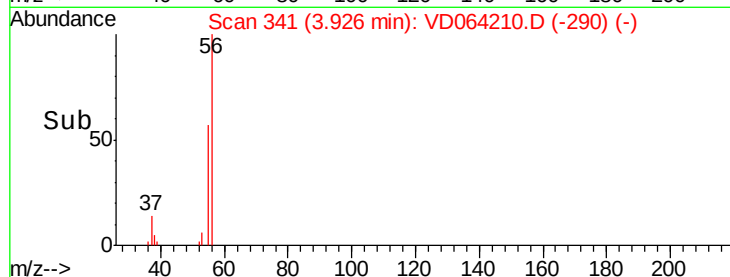
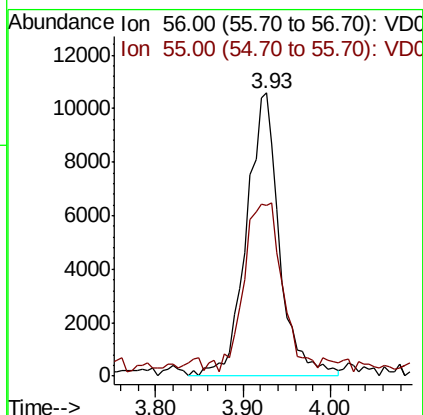
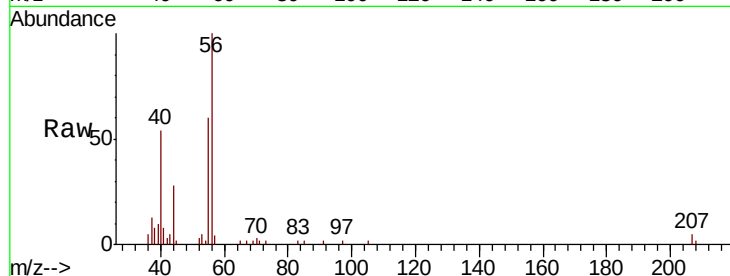
ClientSampleId :

Tot Ion: 56 Resp: 27141

Ion Ratio Lower Upper

56 100

55 65.8 56.1 84.1



#14

Allyl chloride

Concen: 19.609 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

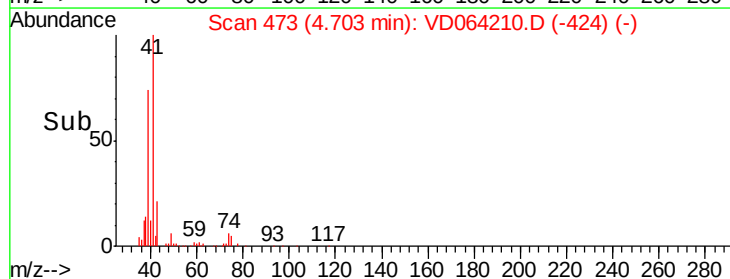
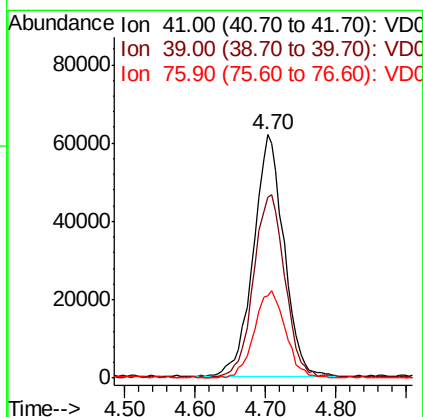
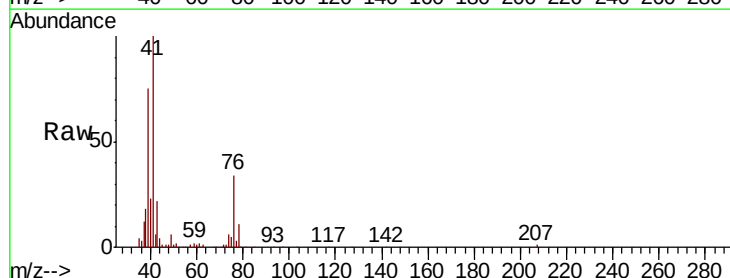
Tgt Ion: 41 Resp: 188233

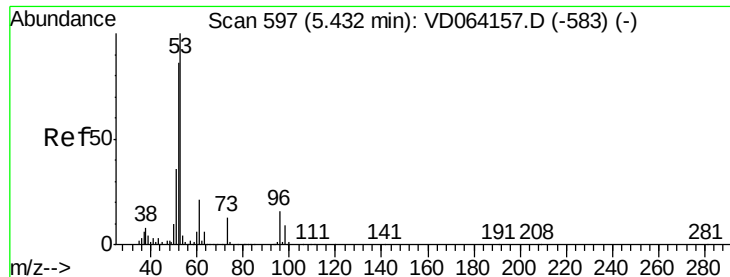
Ion Ratio Lower Upper

41 100

39 77.6 57.5 86.3

76 36.8 26.8 40.2





#15

Acrylonitrile

Concen: 99.107 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

ClientSampleId :

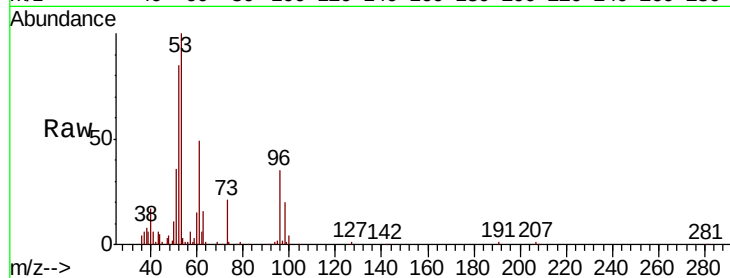
Tot Ion: 53 Resp: 115774

Ion Ratio Lower Upper

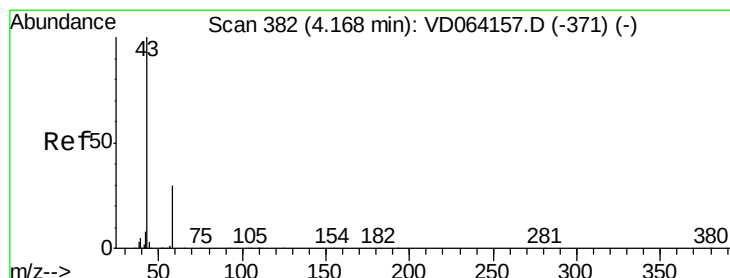
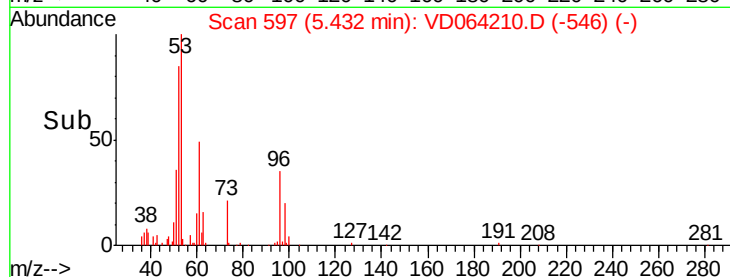
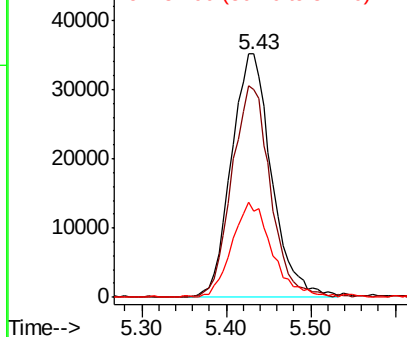
53 100

52 83.4 66.7 100.1

51 38.8 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: 82.994 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064210.D

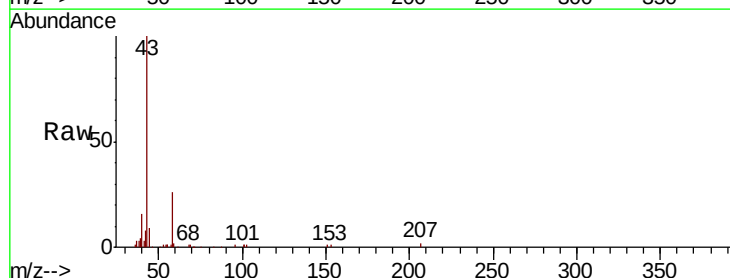
Acq: 14 Nov 2019 12:44

Tgt Ion: 43 Resp: 104481

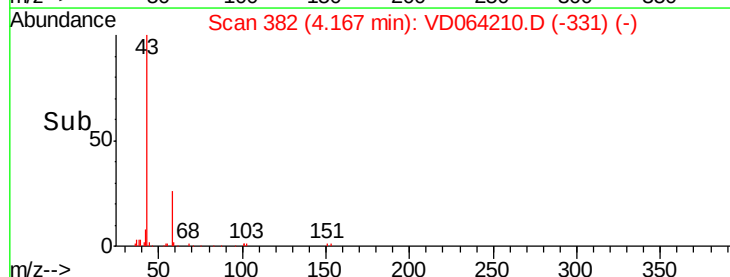
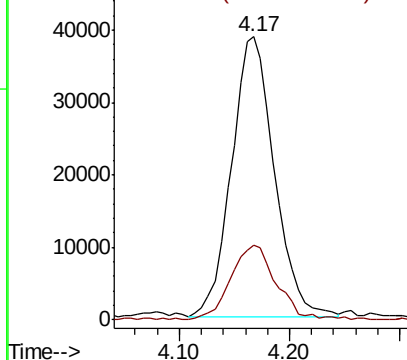
Ion Ratio Lower Upper

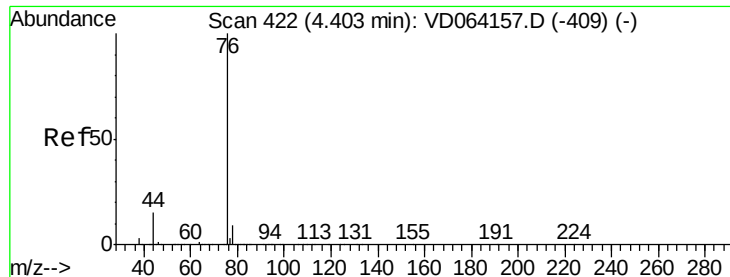
43 100

58 26.7 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: 20.847 ug/l

RT: 4.39 min Scan# 420

Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

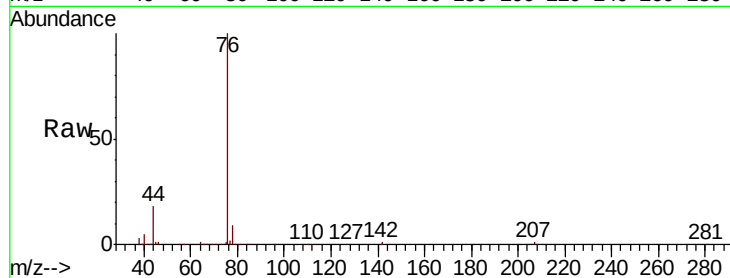
ClientSampleId :

Tot Ion: 76 Resp: 352483

Ion Ratio Lower Upper

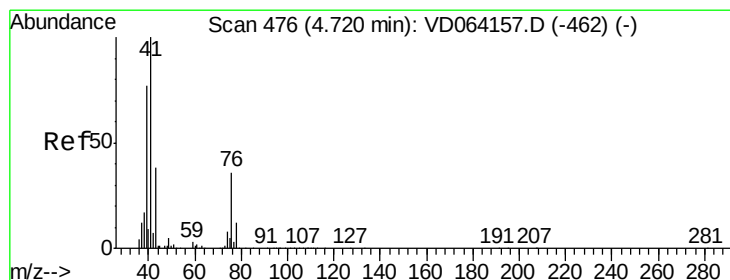
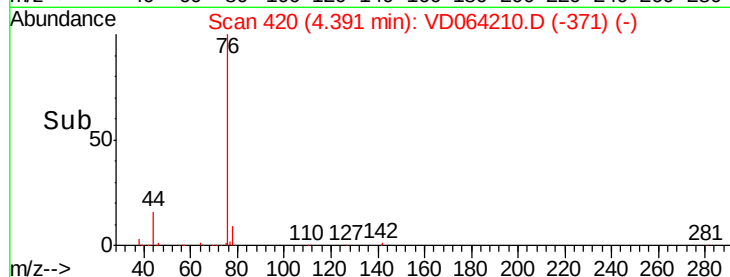
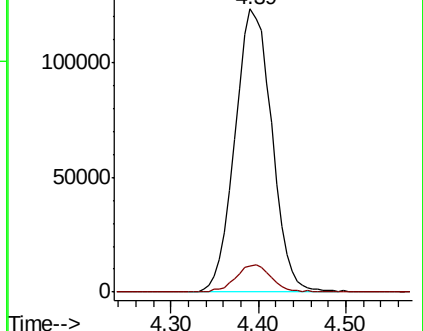
76 100

78 9.4 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 19.879 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD064210.D

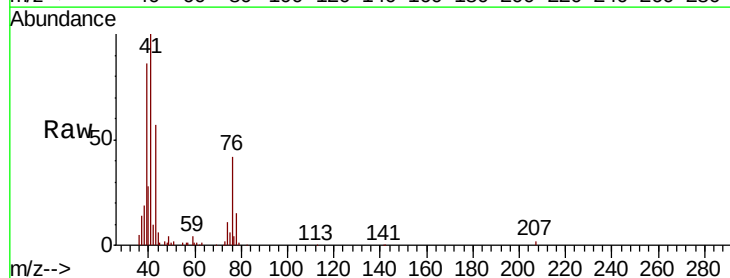
Acq: 14 Nov 2019 12:44

Tgt Ion: 43 Resp: 69899

Ion Ratio Lower Upper

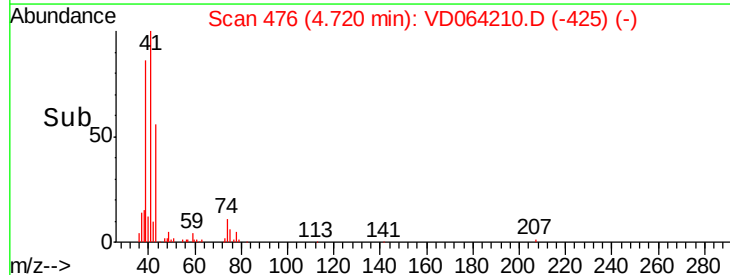
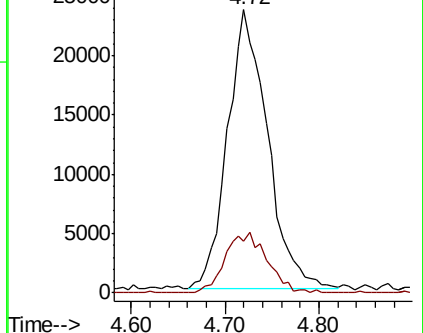
43 100

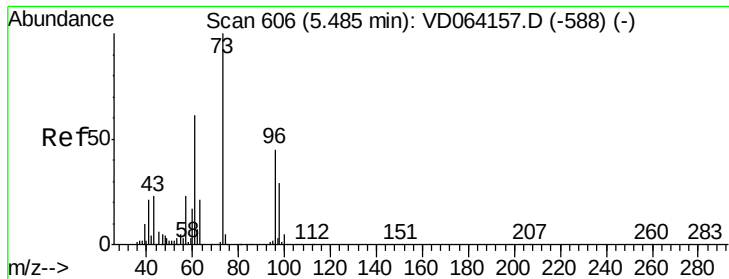
74 22.3 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

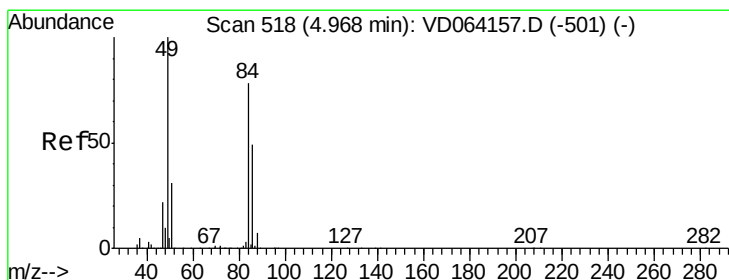
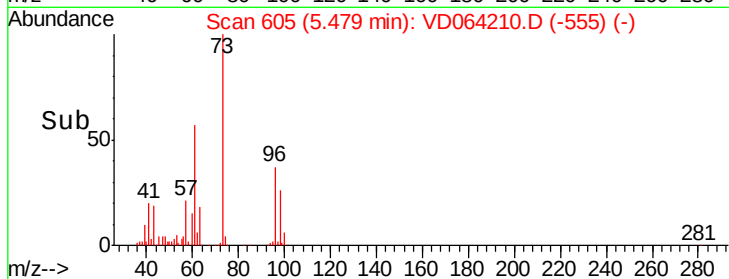
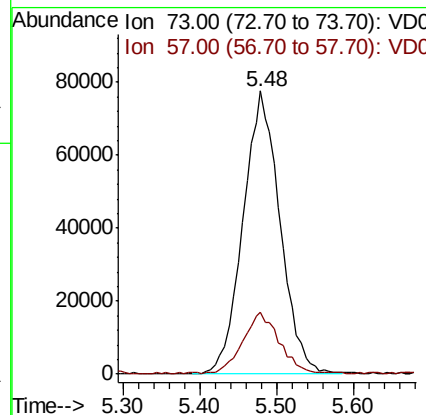
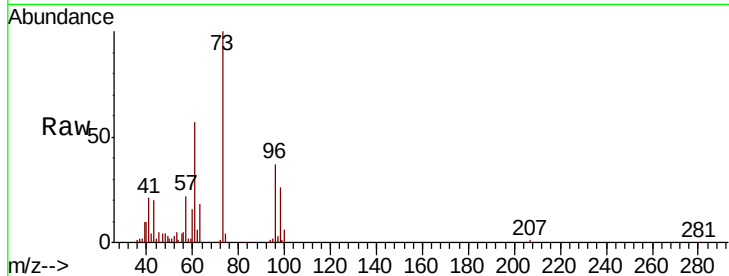




#19
Methyl tert-butyl Ether
Concen: 20.071 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

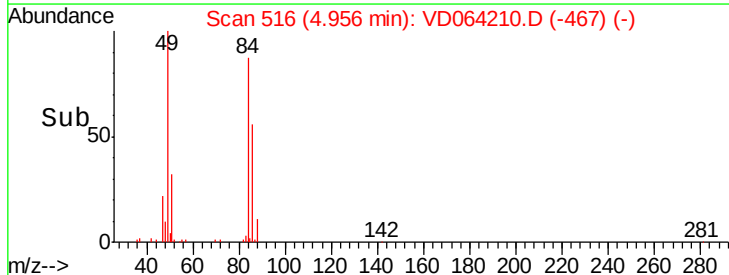
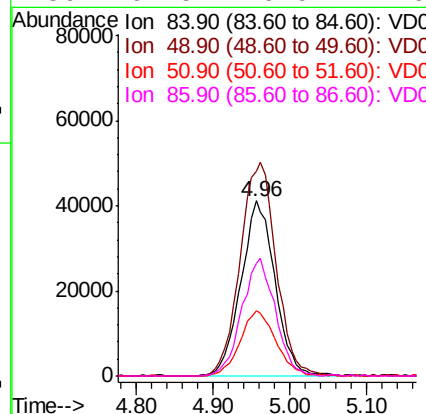
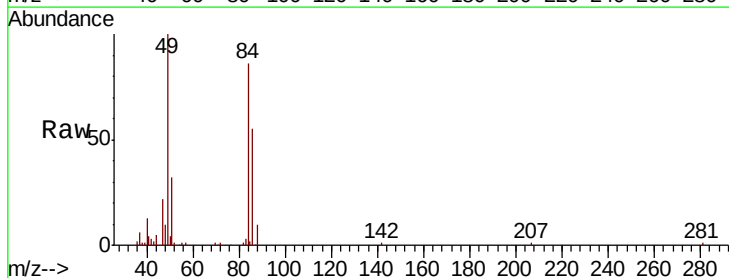
Instrument :
MSVOA_D
ClientSampleId :

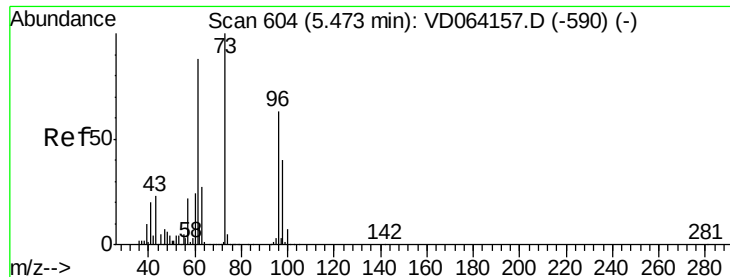
Tot Ion: 73 Resp: 260145
Ion Ratio Lower Upper
73 100
57 21.5 18.4 27.6



#20
Methylene Chloride
Concen: 20.093 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion: 84 Resp: 127776
Ion Ratio Lower Upper
84 100
49 116.7 102.1 153.1
51 37.5 32.2 48.2
86 64.5 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 20.848 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

ClientSampleId :

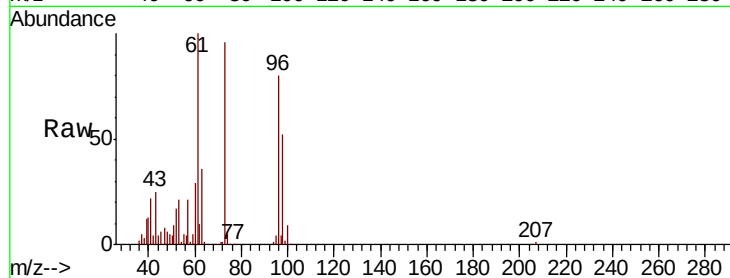
Tot Ion: 96 Resp: 128242

Ion Ratio Lower Upper

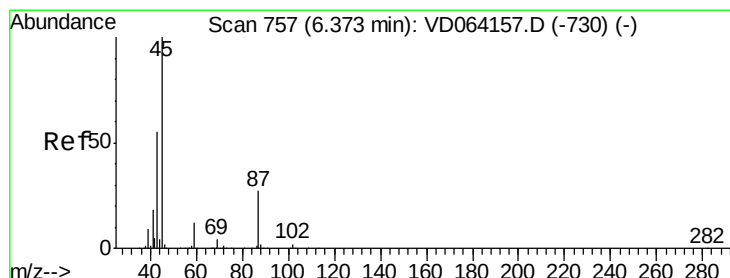
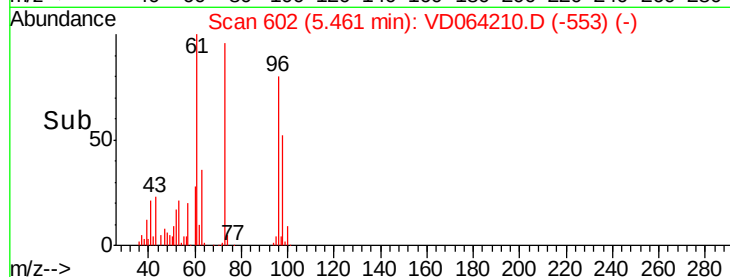
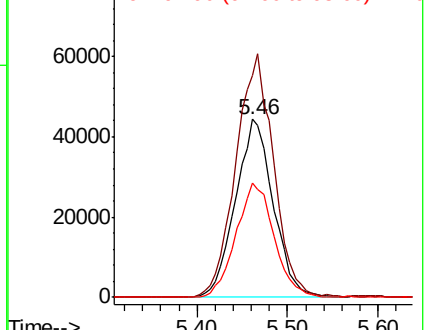
96 100

61 125.0 111.8 167.6

98 64.4 50.3 75.5



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



#22

Diisopropyl ether

Concen: 19.779 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Tgt Ion: 45 Resp: 352283

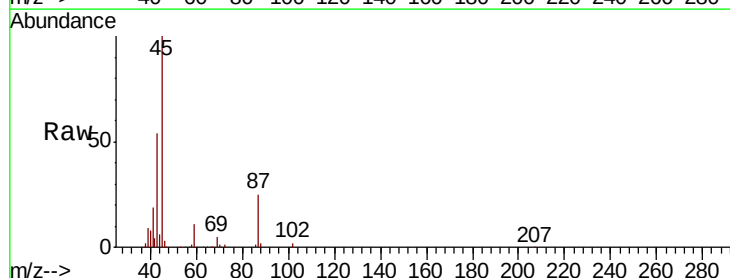
Ion Ratio Lower Upper

45 100

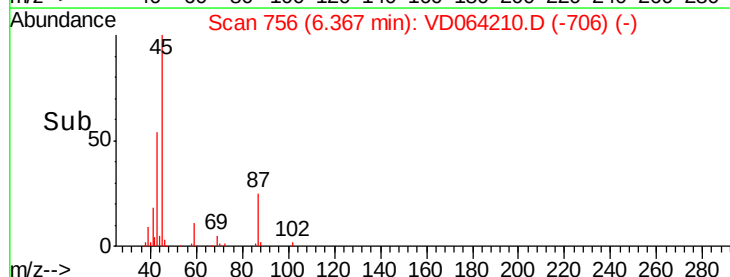
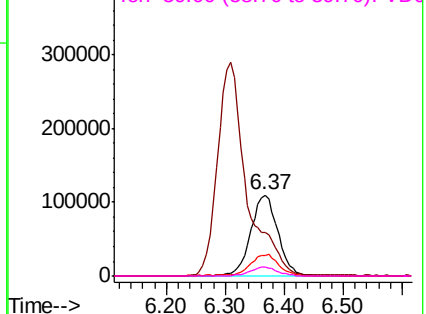
43 53.6 44.4 66.6

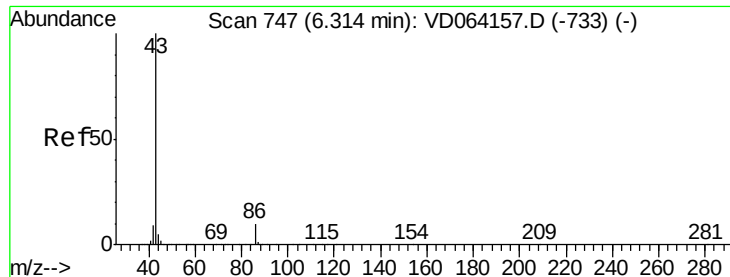
87 24.5 21.9 32.9

59 10.7 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: 100.555 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

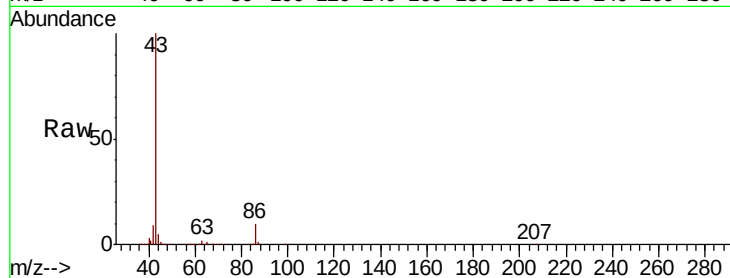
ClientSampleId :

Tot Ion: 43 Resp: 998348

Ion Ratio Lower Upper

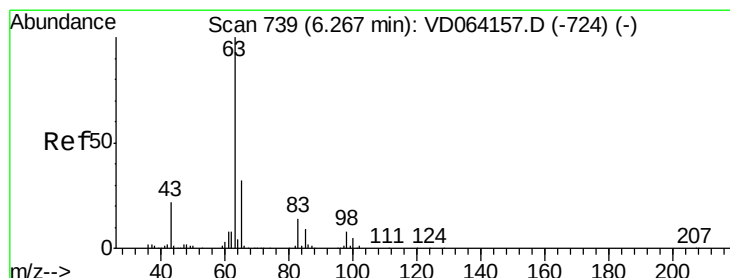
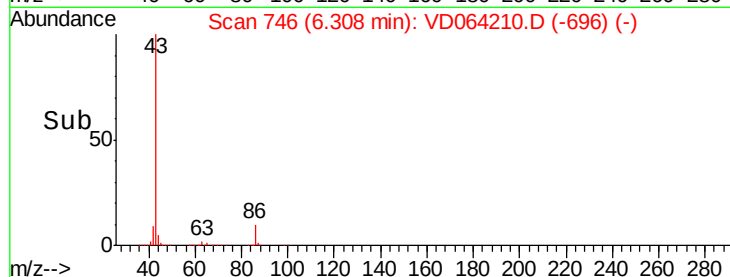
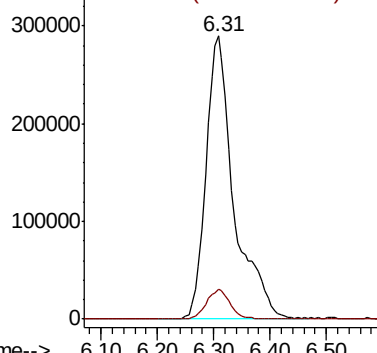
43 100

86 10.4 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.173 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

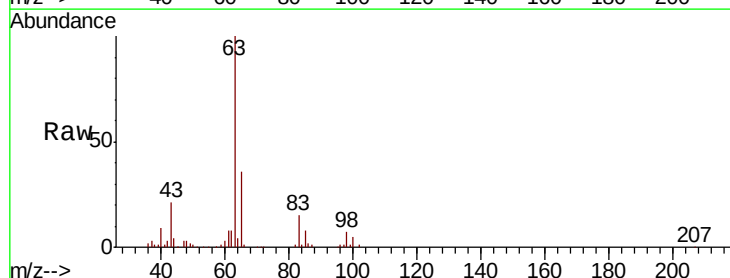
Tgt Ion: 63 Resp: 218966

Ion Ratio Lower Upper

63 100

98 7.0 3.8 11.4

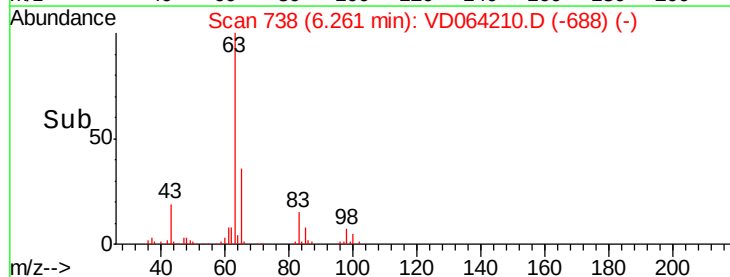
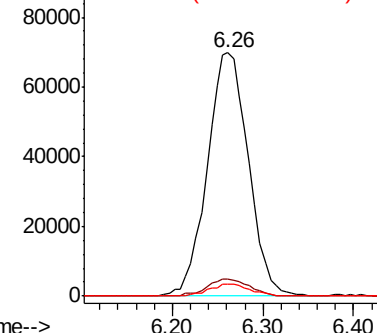
100 5.0 2.4 7.2

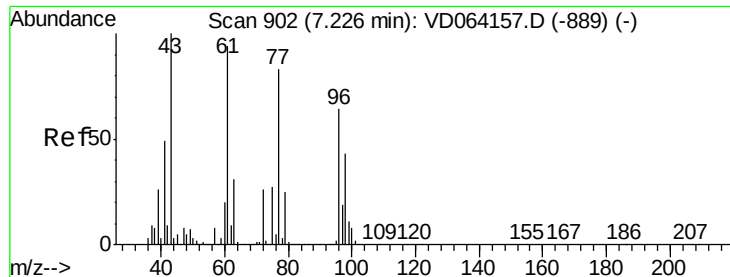


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 92.932 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

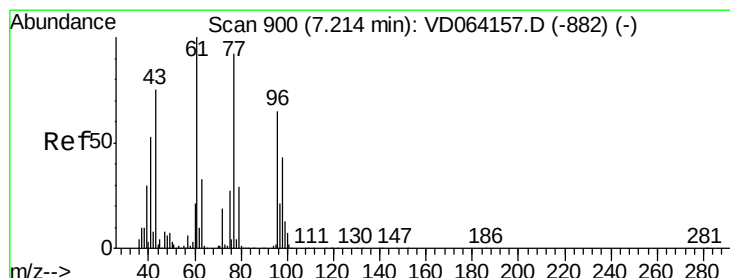
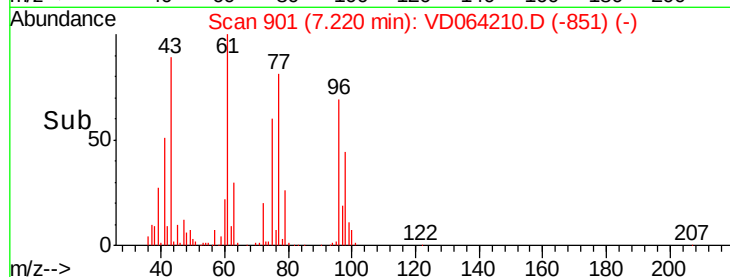
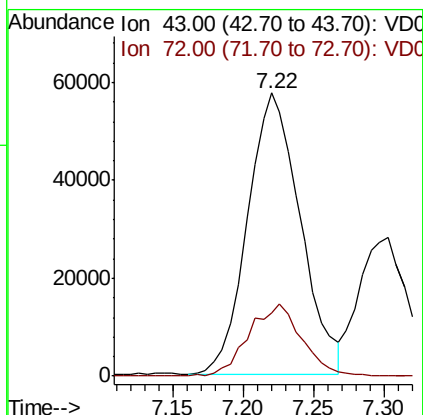
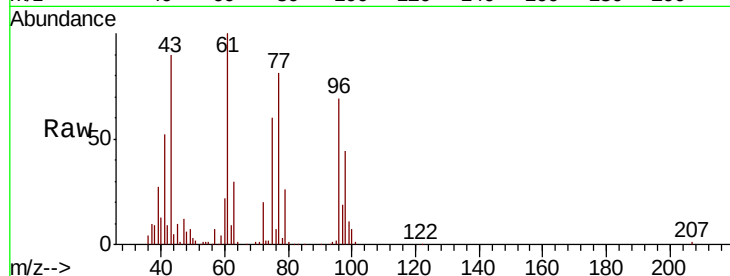
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 151148

Ion Ratio Lower Upper

43 100

72 22.5 20.6 30.8



#26

2,2-Dichloropropane

Concen: 20.053 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD064210.D

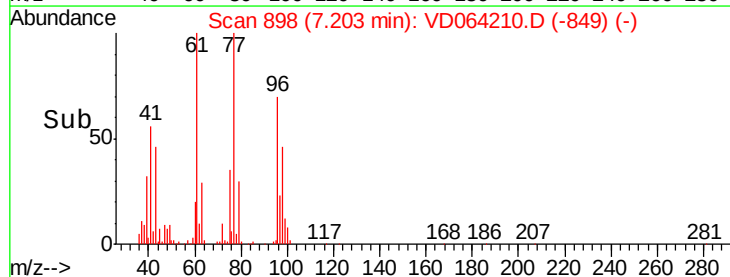
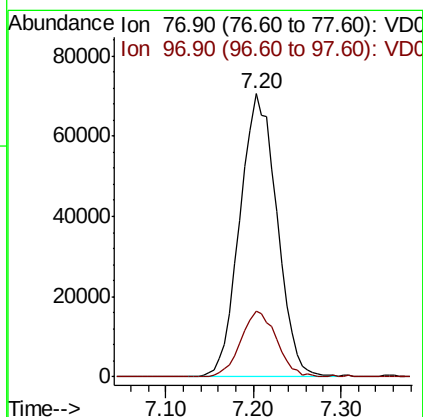
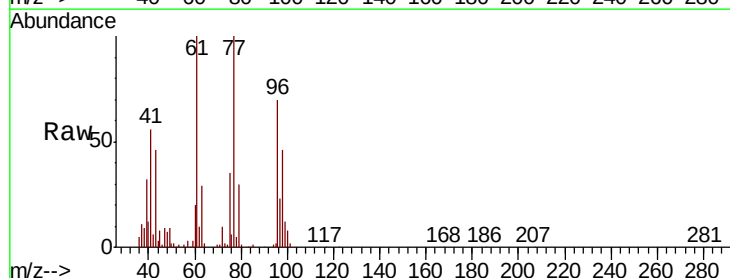
Acq: 14 Nov 2019 12:44

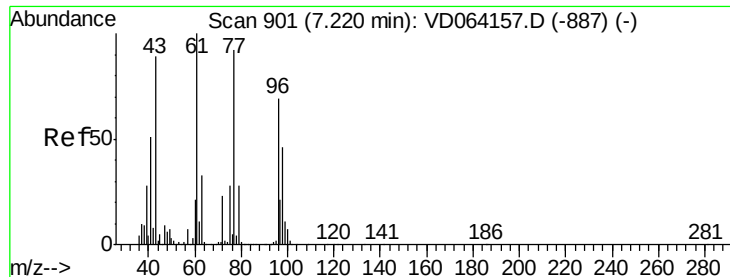
Tgt Ion: 77 Resp: 203370

Ion Ratio Lower Upper

77 100

97 22.6 11.1 33.3



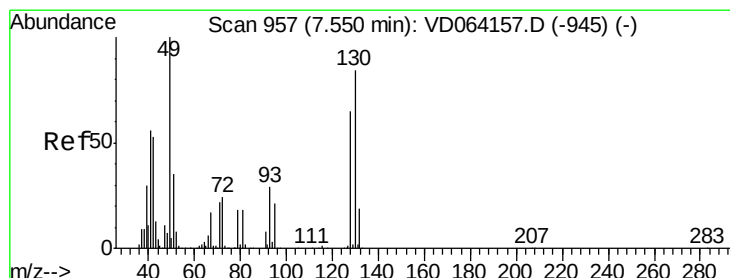
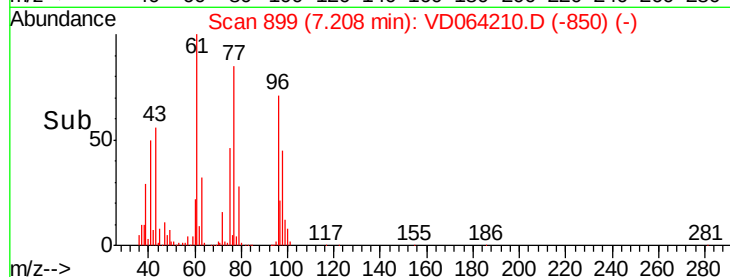
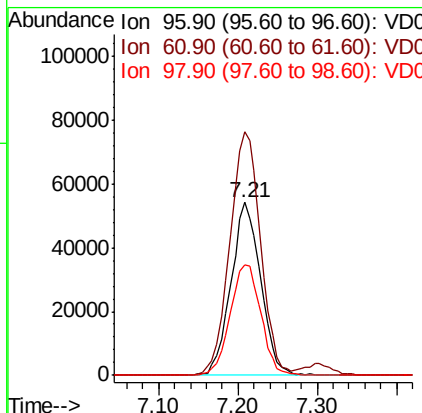
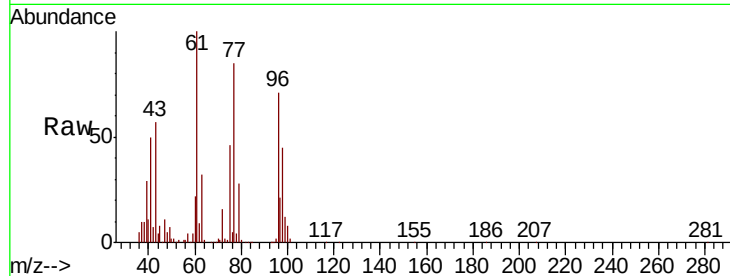


#27

cis-1,2-Dichloroethene
Concen: 21.304 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Instrument :
MSVOA_D
ClientSampled :

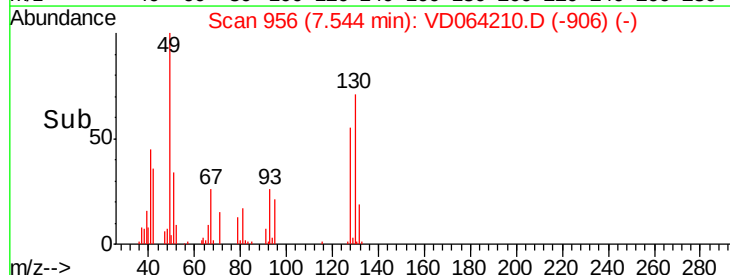
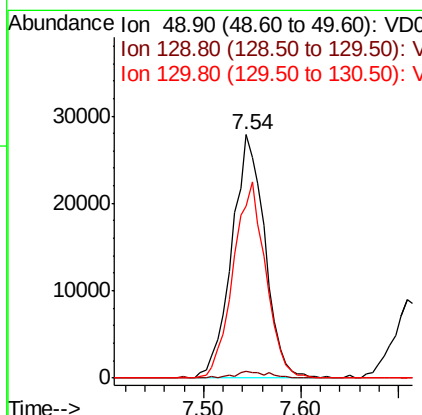
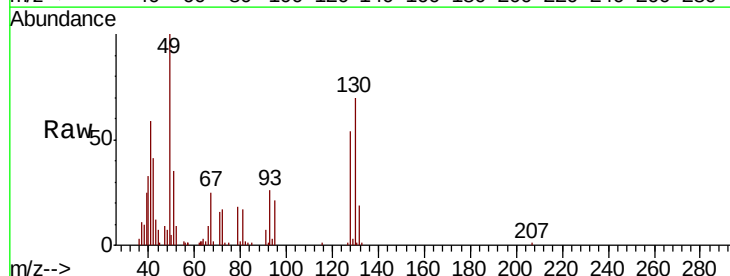
Tot Ion: 96 Resp: 140529
Ion Ratio Lower Upper
96 100
61 145.3 0.0 301.4
98 65.7 0.0 133.2

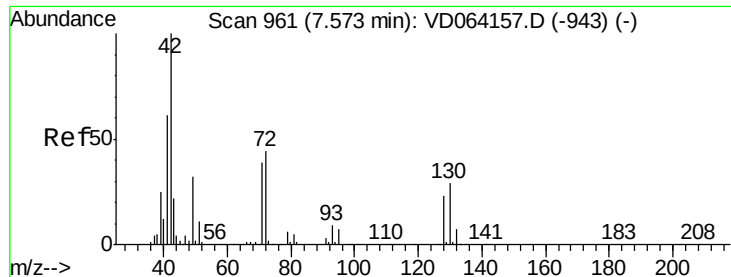


#28

Bromochloromethane
Concen: 18.219 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion: 49 Resp: 65597
Ion Ratio Lower Upper
49 100
129 2.8 0.0 4.4
130 79.4 66.8 100.2

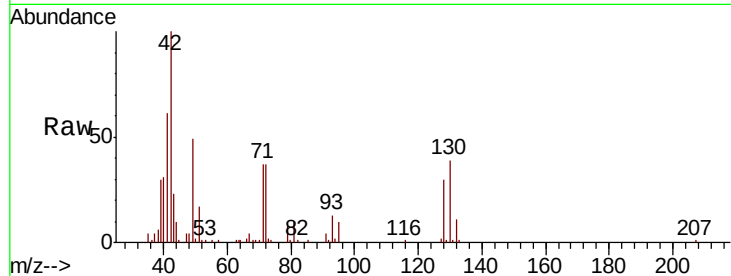




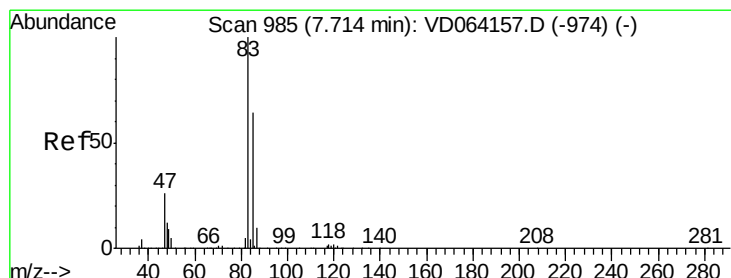
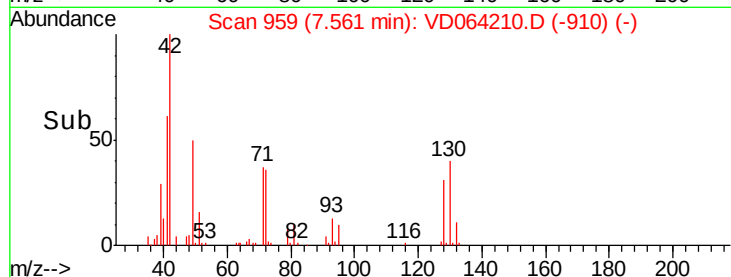
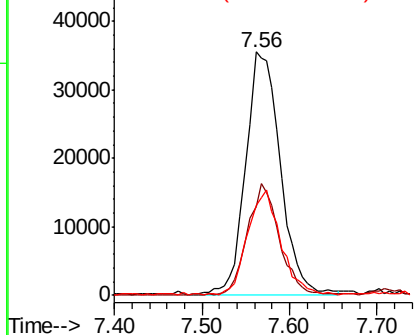
#29
Tetrahydrofuran
Concen: 98.772 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 96519
Ion Ratio Lower Upper
42 100
72 42.0 33.4 50.2
71 41.5 31.0 46.4

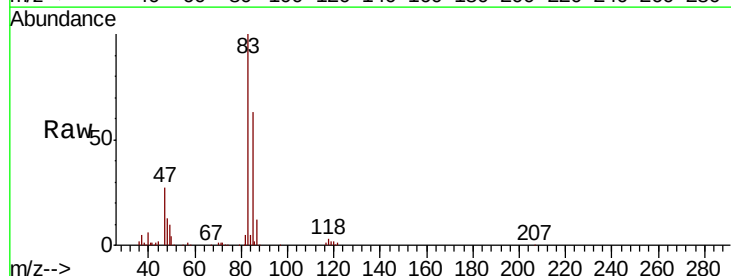


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

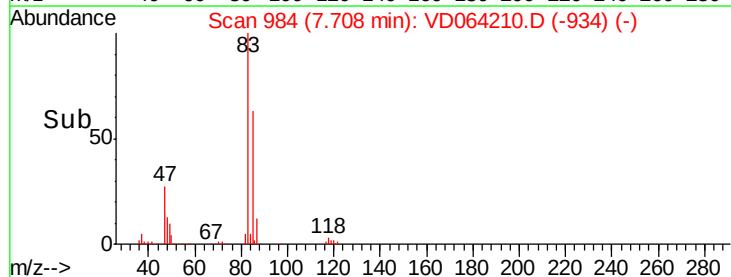
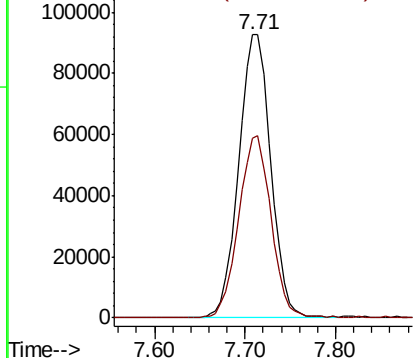


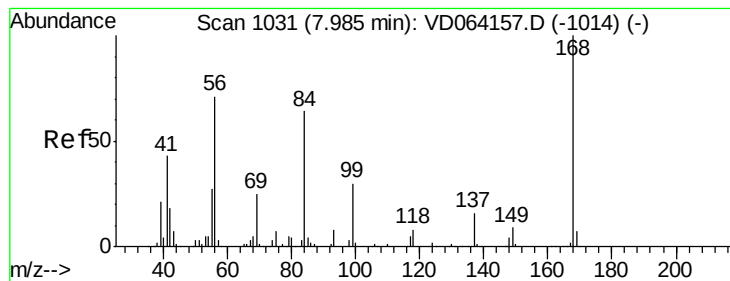
#30
Chloroform
Concen: 21.580 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion: 83 Resp: 228285
Ion Ratio Lower Upper
83 100
85 63.3 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: 20.687 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

ClientSampleId :

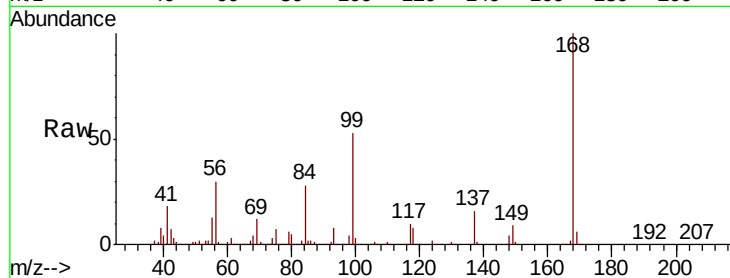
Tot Ion: 56 Resp: 215756

Ion Ratio Lower Upper

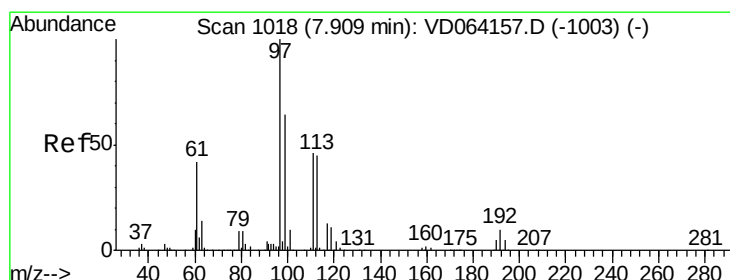
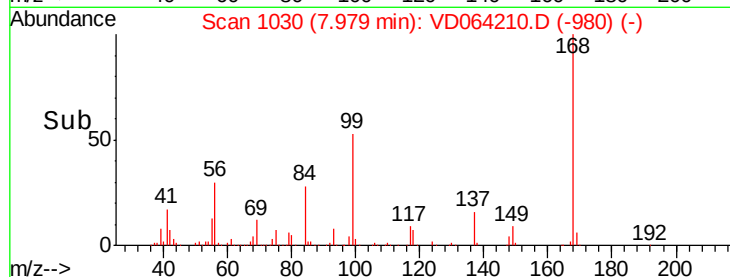
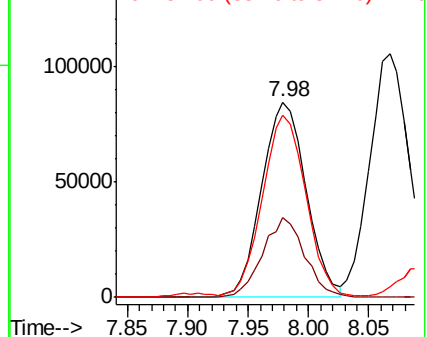
56 100

69 41.1 28.2 42.4

84 91.5 71.8 107.6



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



#32

1,1,1-Trichloroethane

Concen: 20.864 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

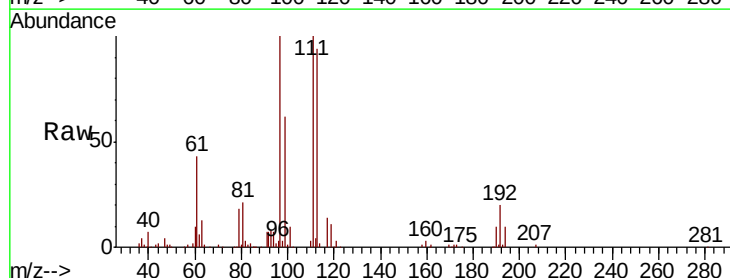
Tgt Ion: 97 Resp: 211337

Ion Ratio Lower Upper

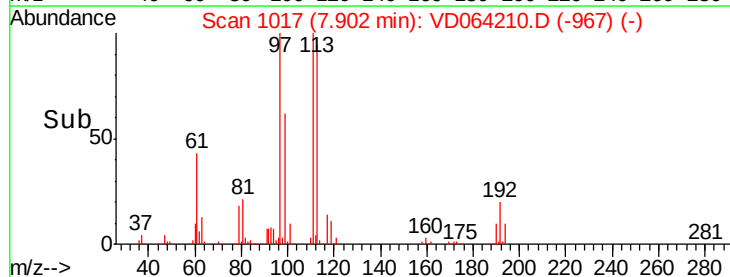
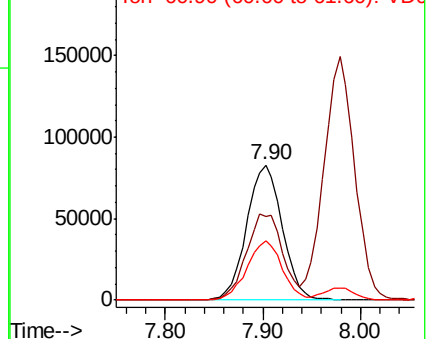
97 100

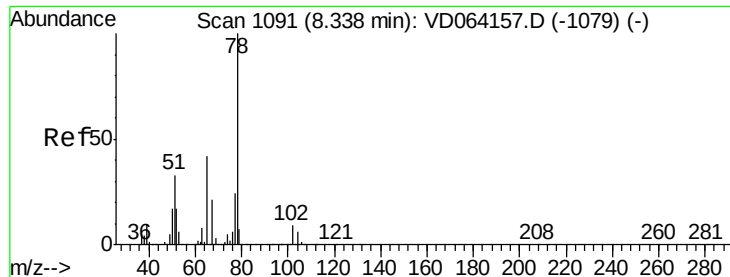
99 65.4 51.6 77.4

61 43.2 34.2 51.2



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

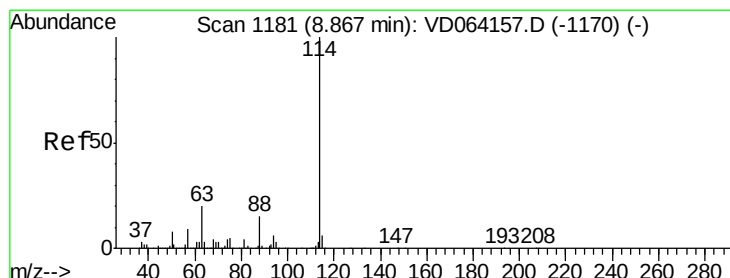
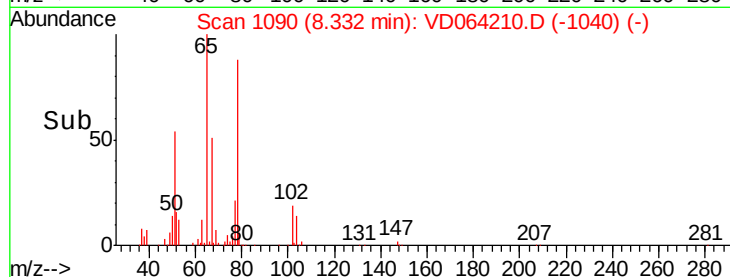
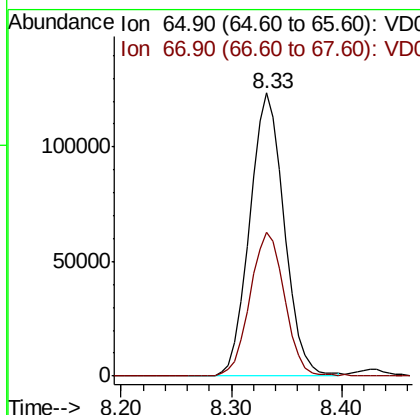
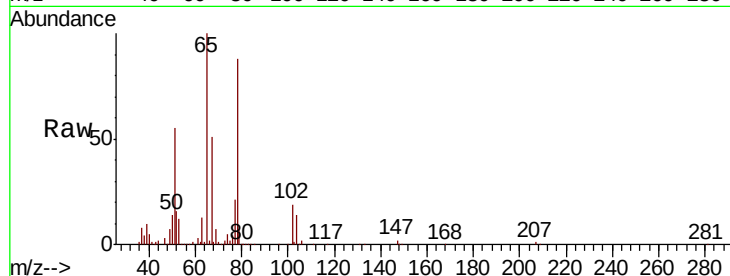




#33
 1,2-Dichloroethane-d4
 Concen: 50.945 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

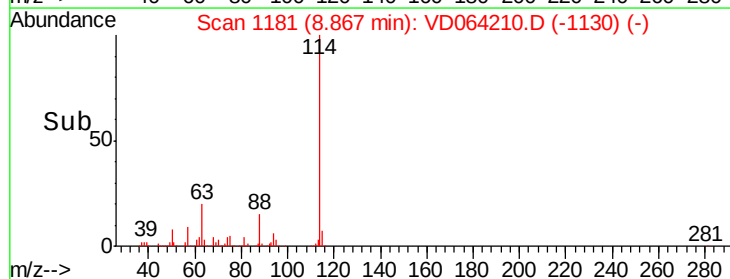
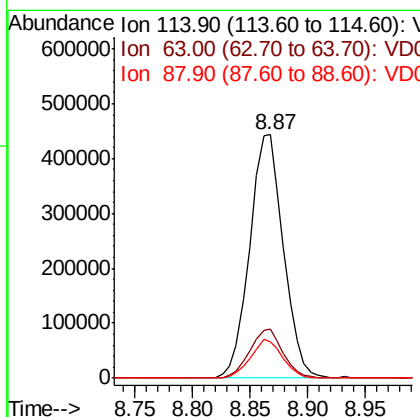
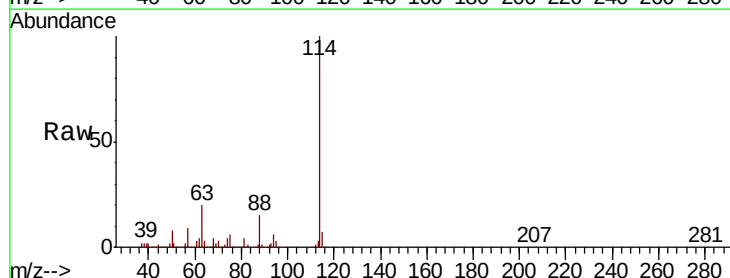
Instrument :
 MSVOA_D
 ClientSampled :

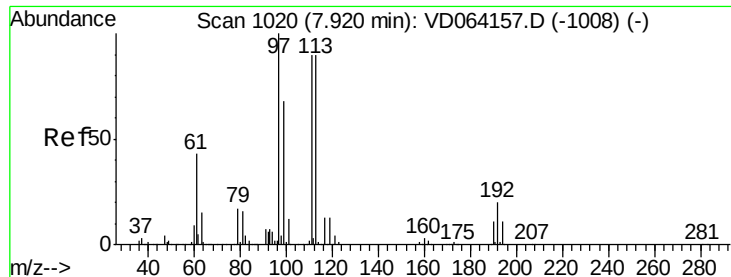
Tot Ion: 65 Resp: 270723
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

Tgt Ion: 114 Resp: 905614
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 14.8 0.0 30.2

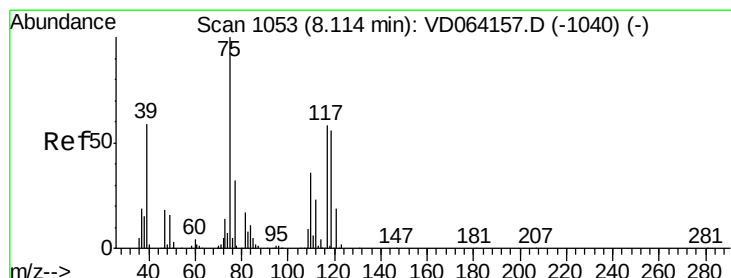
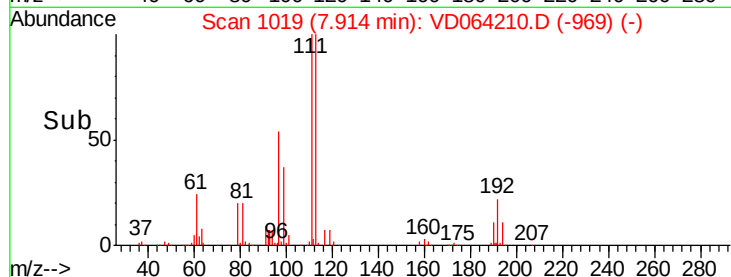
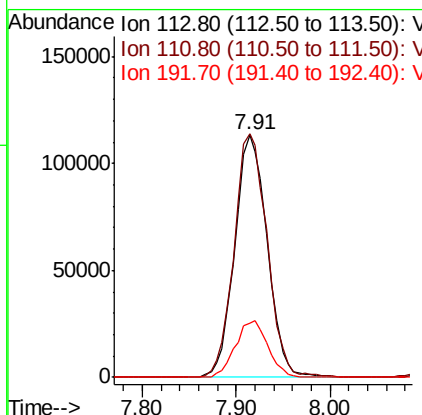
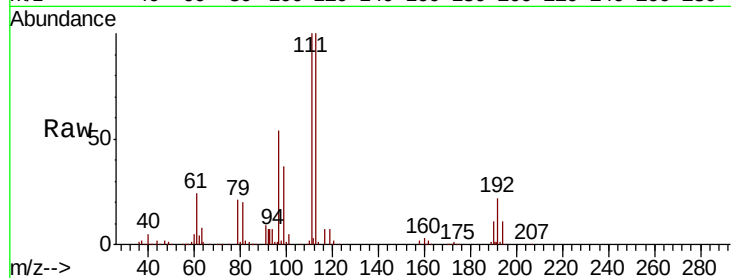




#35
 Dibromofluoromethane
 Concen: 52.123 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

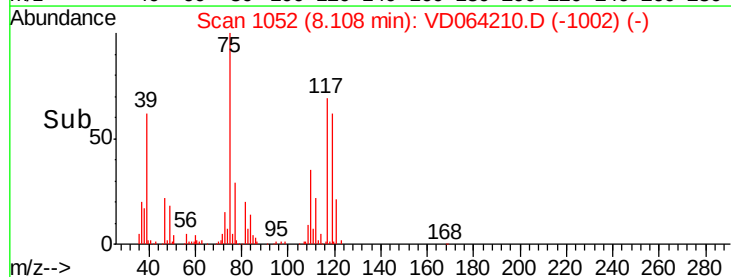
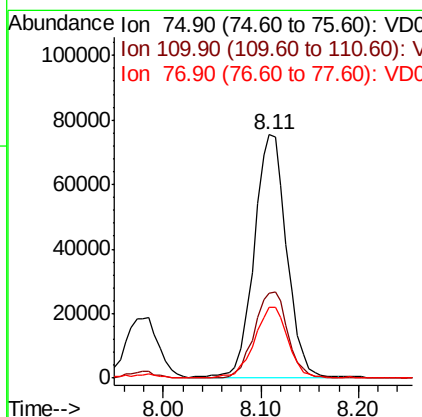
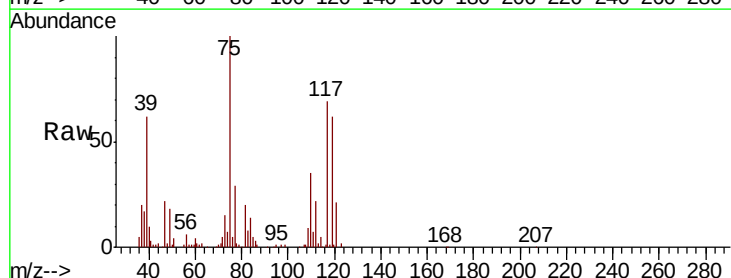
Instrument :
 MSVOA_D
 ClientSampleId :

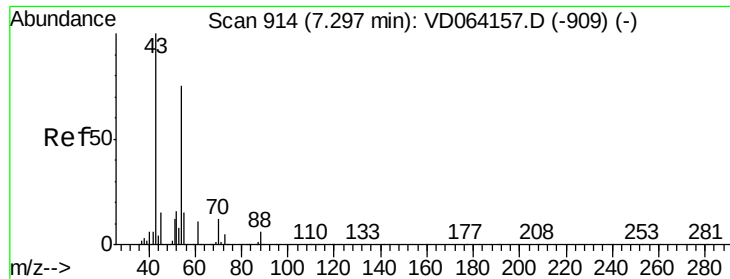
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.5	122.3
192	23.6	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 21.078 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.3	54.9
77	30.2	25.0	37.6

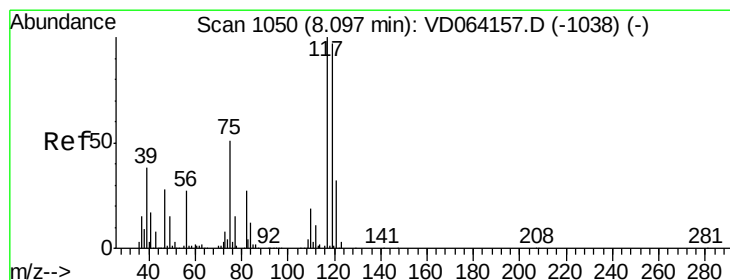
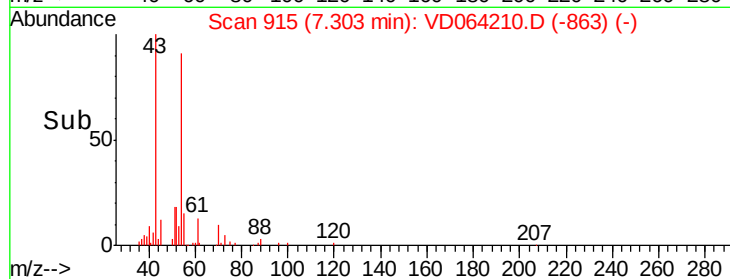
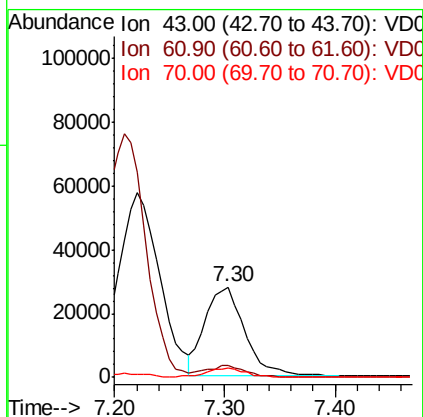
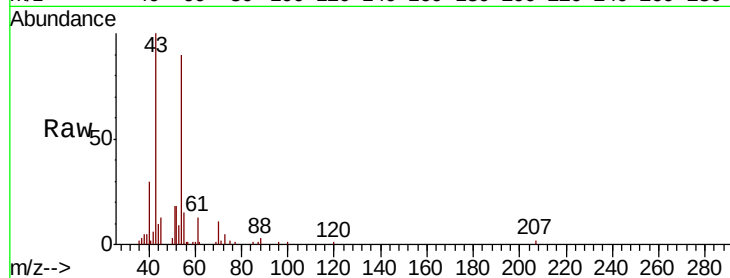




#37
Ethyl Acetate
Concen: 19.745 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

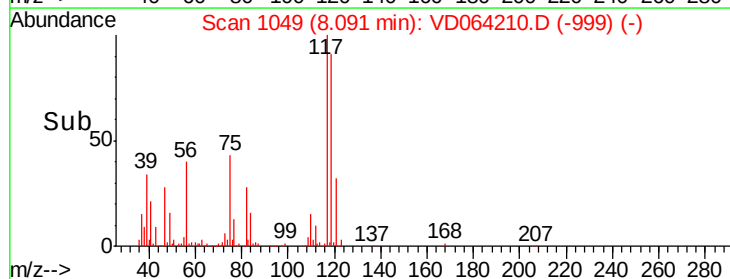
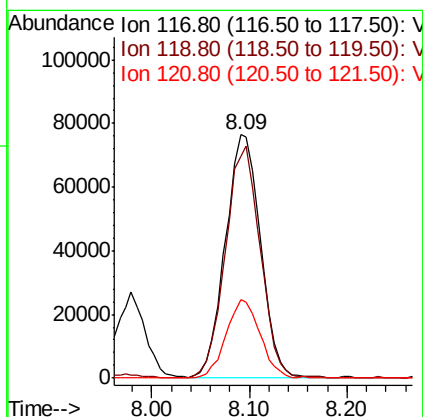
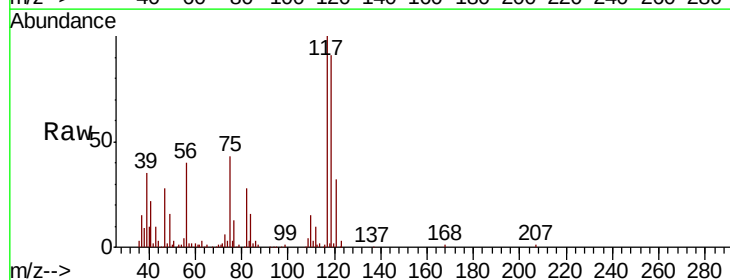
Instrument :
MSVOA_D
ClientSampled :

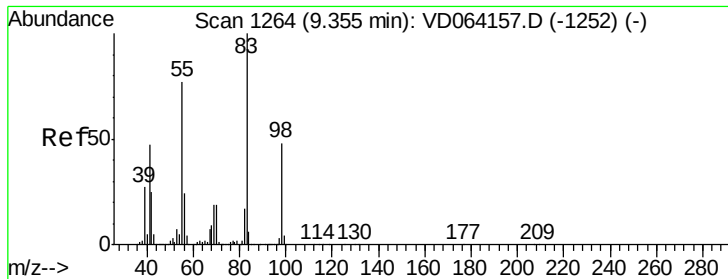
Tot Ion: 43 Resp: 69571
Ion Ratio Lower Upper
43 100
61 13.7 10.2 15.2
70 10.5 8.5 12.7



#38
Carbon Tetrachloride
Concen: 21.408 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion: 117 Resp: 191456
Ion Ratio Lower Upper
117 100
119 91.0 77.2 115.8
121 32.5 25.5 38.3

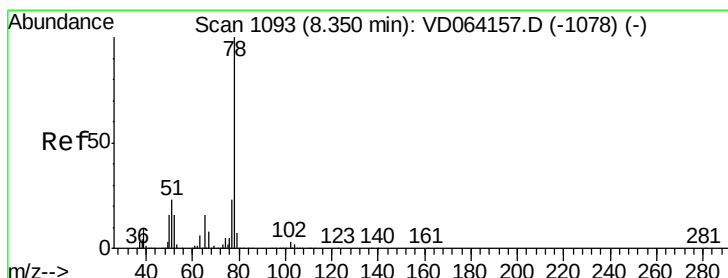
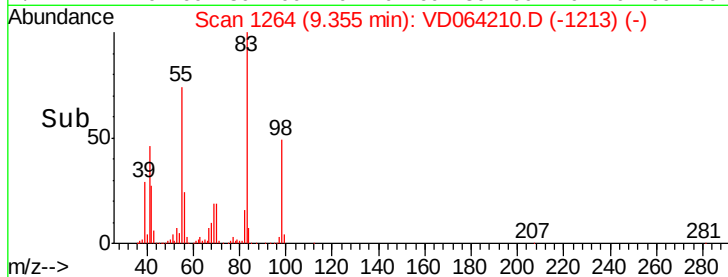
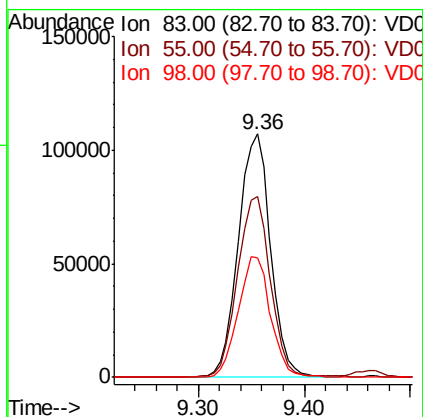
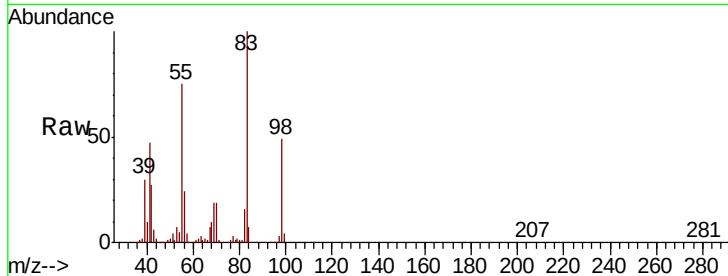




#39
Methylvlcyclohexane
Concen: 21.466 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

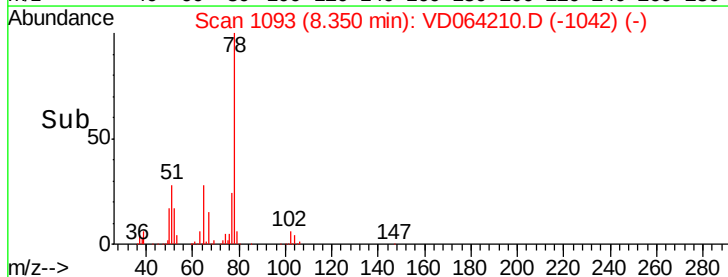
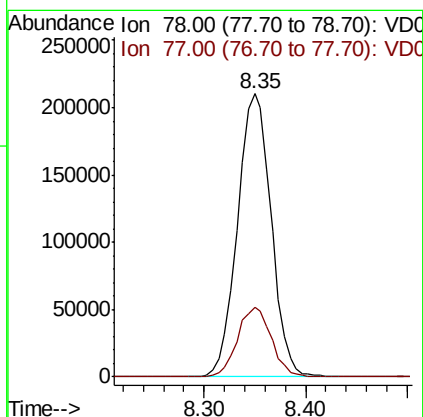
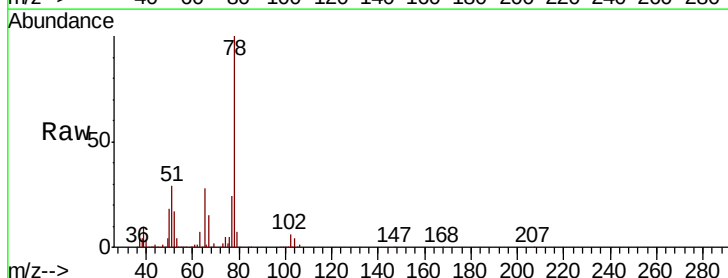
Instrument :
MSVOA_D
ClientSampleId :

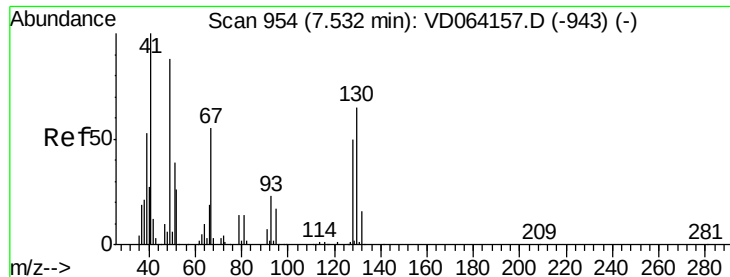
Tot Ion: 83 Resp: 227022
Ion Ratio Lower Upper
83 100
55 74.3 61.7 92.5
98 49.0 38.6 58.0



#40
Benzene
Concen: 21.175 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion: 78 Resp: 483682
Ion Ratio Lower Upper
78 100
77 24.3 18.6 28.0





#41

Methacrylonitrile

Concen: 16.588 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

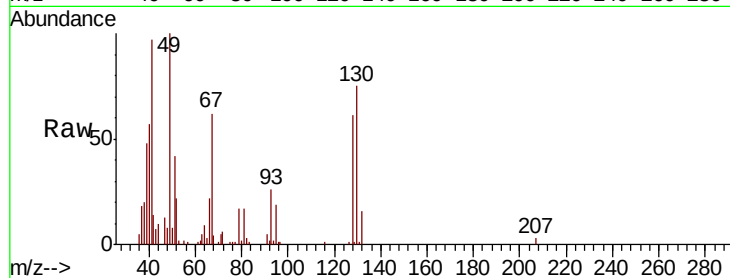
MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 36736

Ion Ratio Lower Upper

41	100		
39	63.7	49.4	74.2
67	80.9	49.6	74.4#
52	35.2	21.4	32.0#

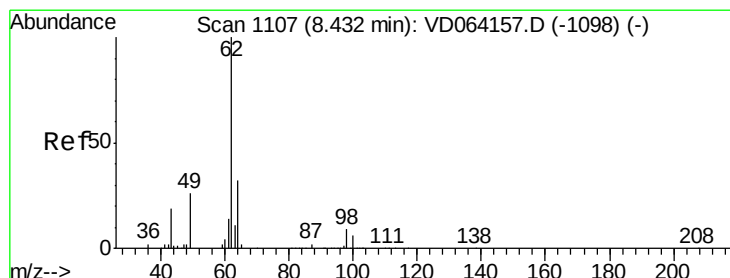
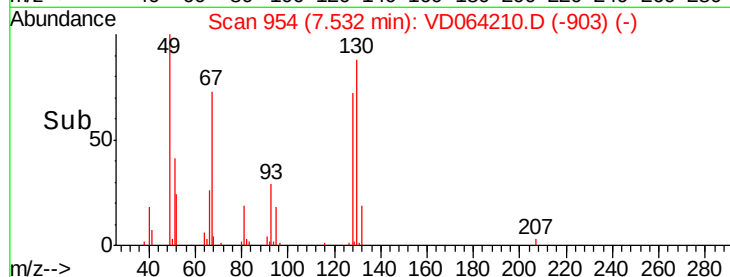
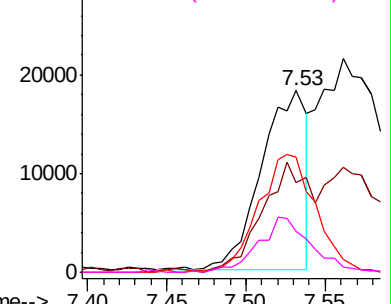


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.018 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

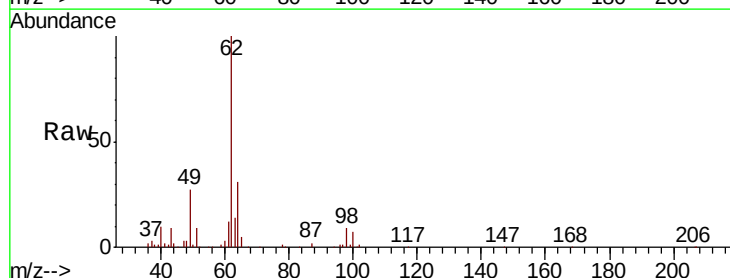
Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Tgt Ion: 62 Resp: 144198

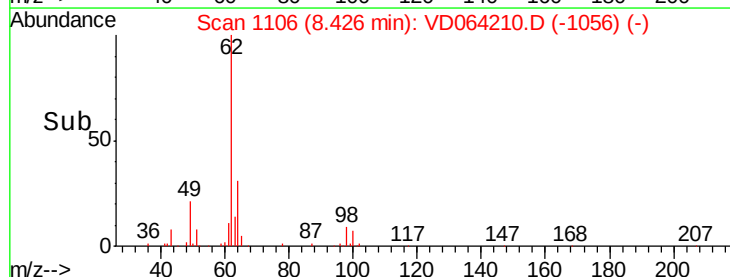
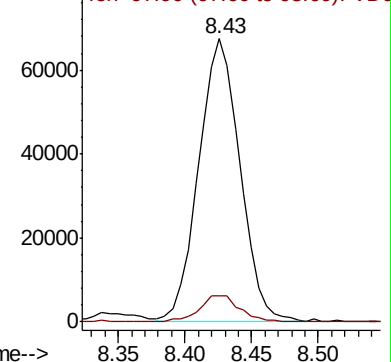
Ion Ratio Lower Upper

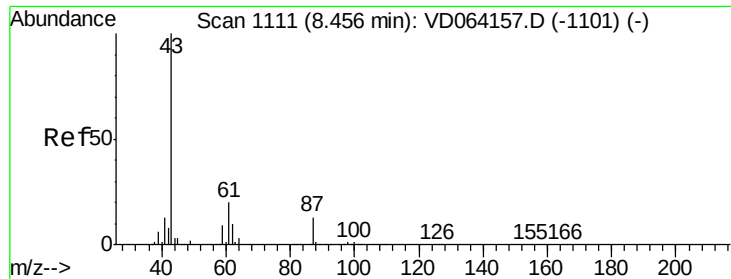
62	100		
98	9.3	0.0	19.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 19.206 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

ClientSampleId :

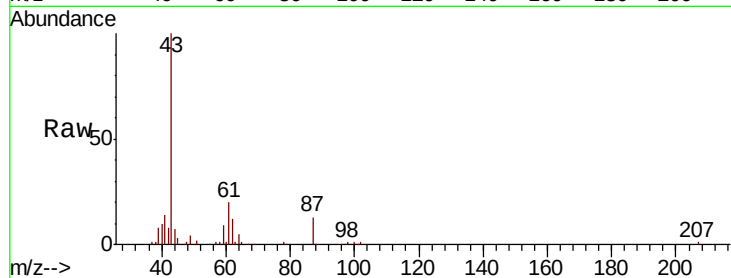
Tot Ion: 43 Resp: 139432

Ion Ratio Lower Upper

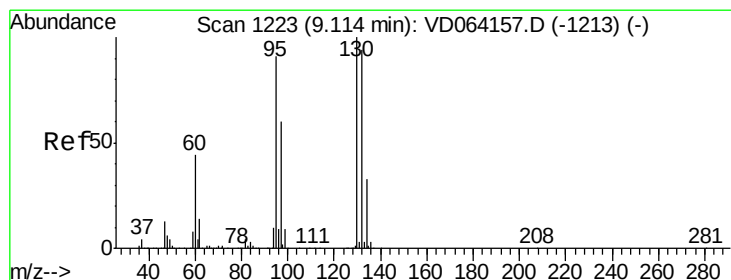
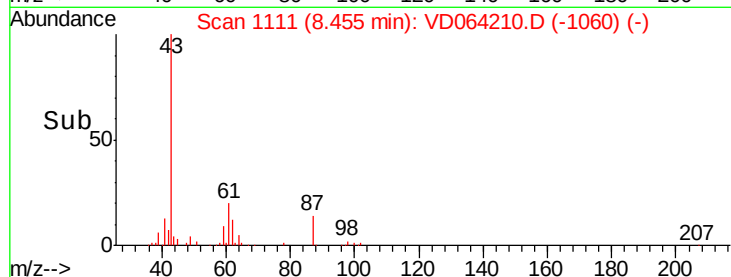
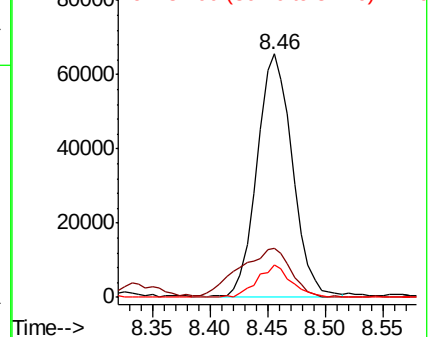
43 100

61 29.4 22.9 34.3

87 12.6 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: 21.546 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD064210.D

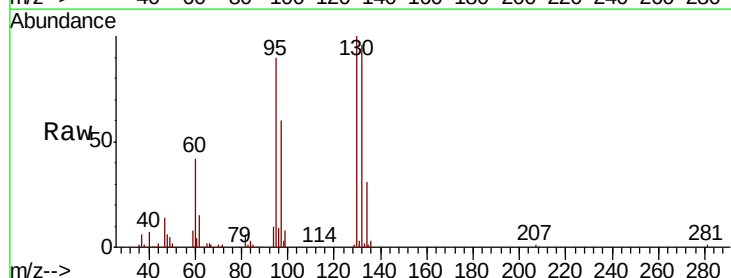
Acq: 14 Nov 2019 12:44

Tgt Ion:130 Resp: 147719

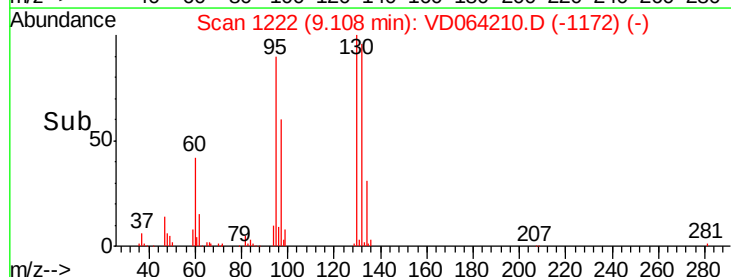
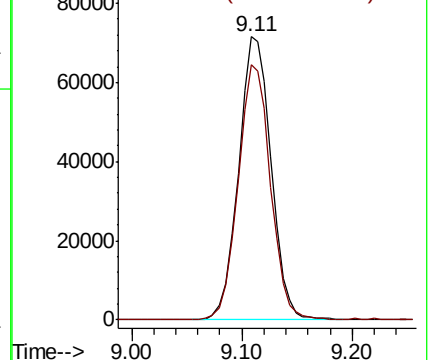
Ion Ratio Lower Upper

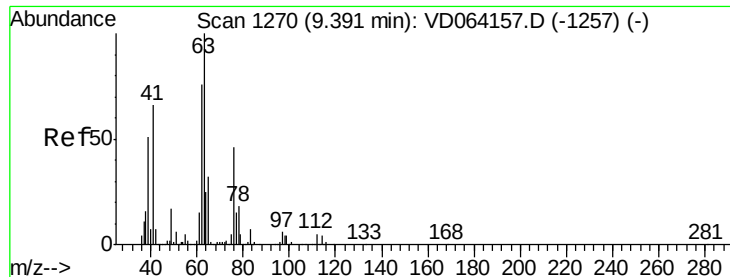
130 100

95 90.2 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: 21.177 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

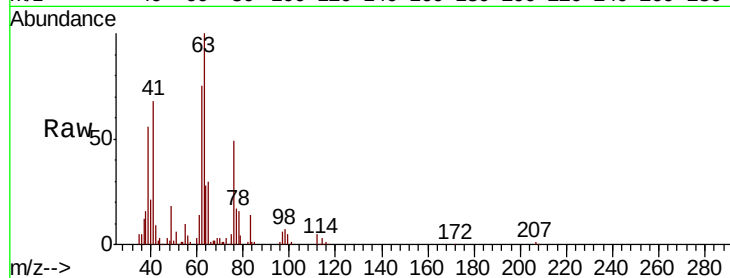
ClientSampled :

Tot Ion: 63 Resp: 117742

Ion Ratio Lower Upper

63 100

65 30.2 25.7 38.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.38

60000

50000

40000

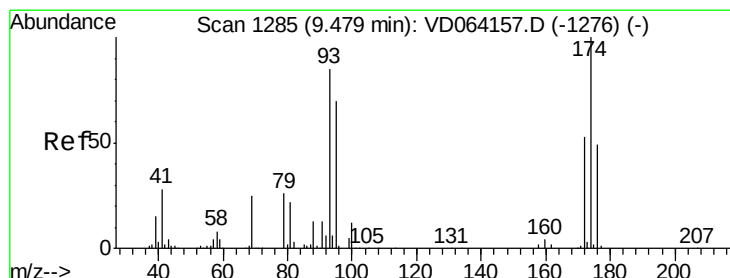
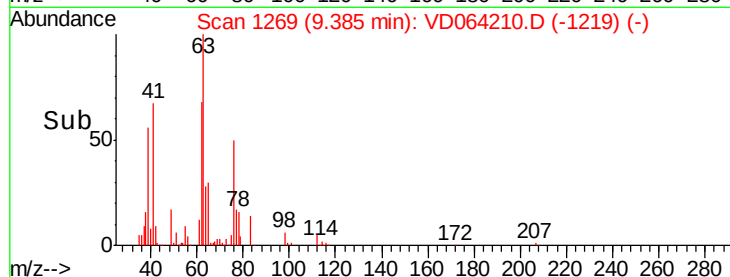
30000

20000

10000

0

Time-->



#46

Dibromomethane

Concen: 19.898 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

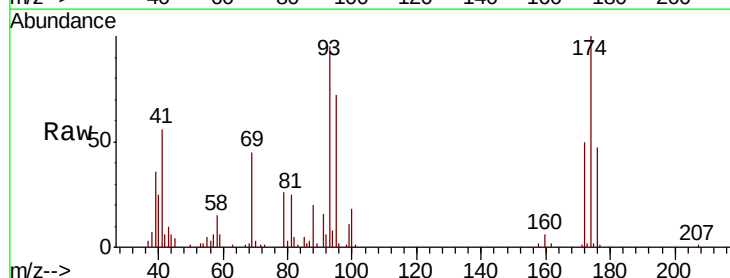
Tgt Ion: 93 Resp: 59226

Ion Ratio Lower Upper

93 100

95 84.0 65.5 98.3

174 117.5 93.9 140.9



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC

40000

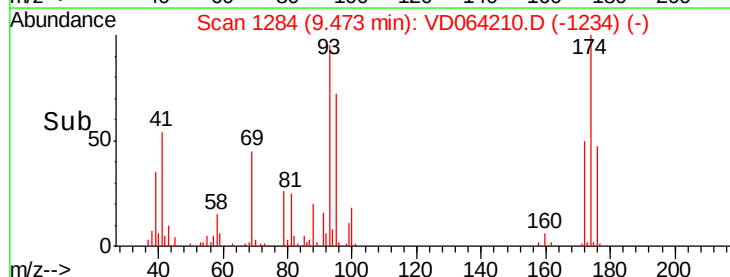
30000

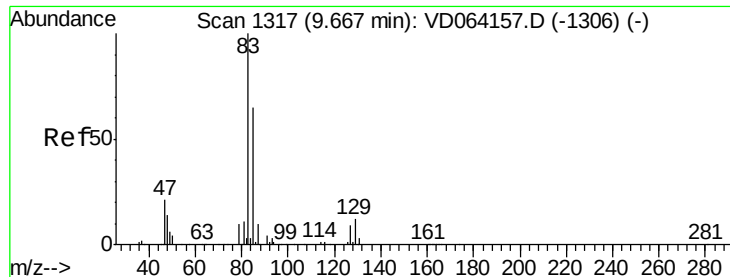
20000

10000

0

Time-->





#47

Bromodichloromethane

Concen: 21.535 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

ClientSampleId :

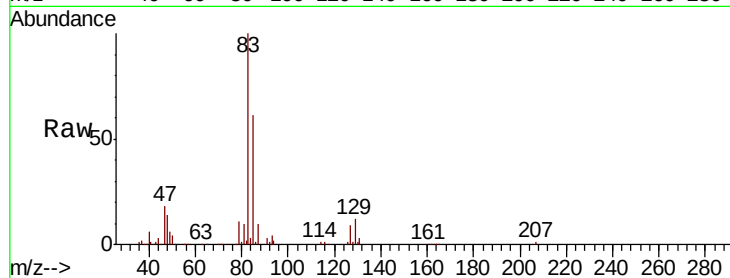
Tot Ion: 83 Resp: 172659

Ion Ratio Lower Upper

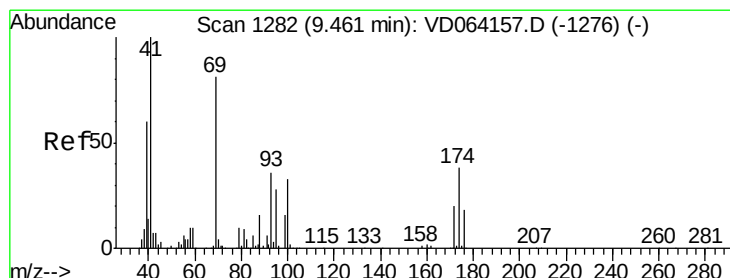
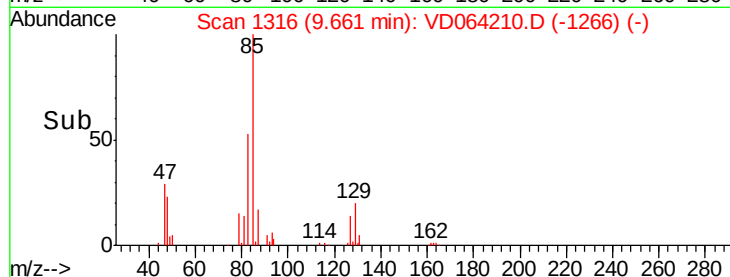
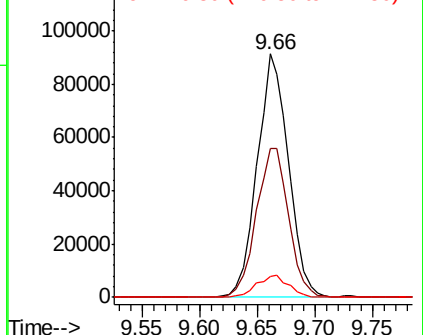
83 100

85 61.2 52.2 78.4

127 8.5 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: 19.564 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

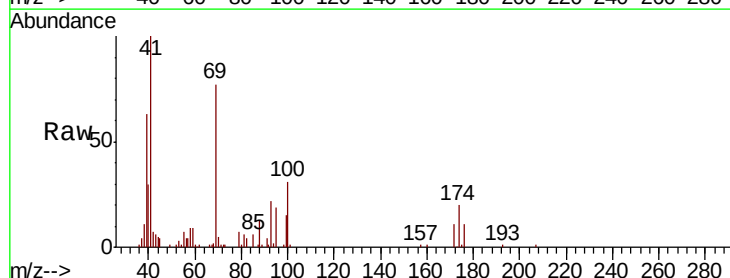
Tgt Ion: 41 Resp: 69452

Ion Ratio Lower Upper

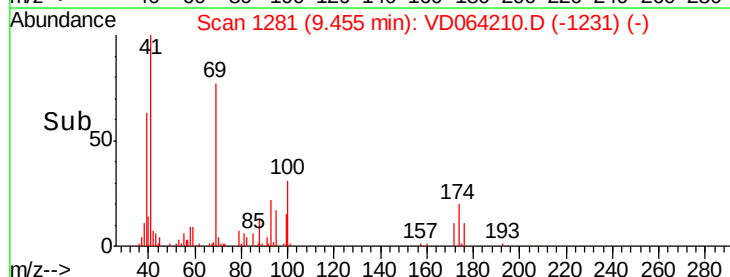
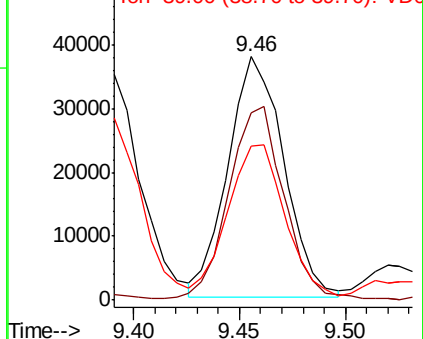
41 100

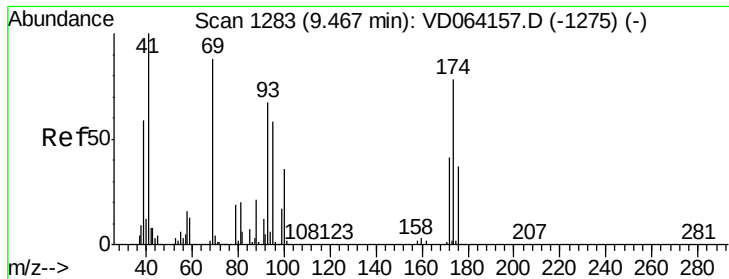
69 80.1 64.6 97.0

39 62.8 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

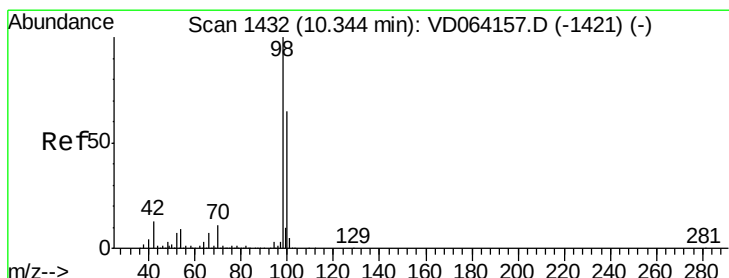
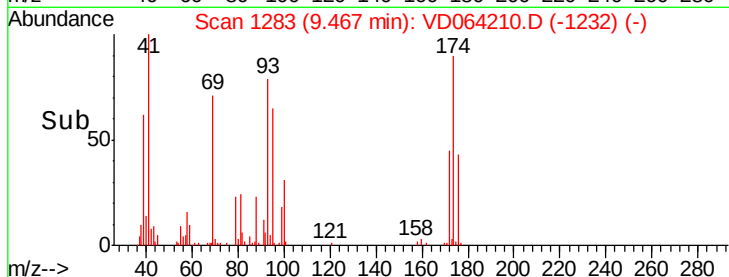
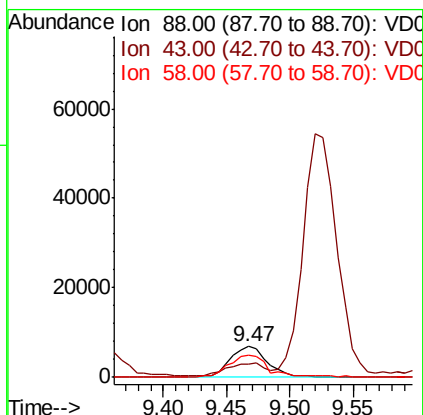
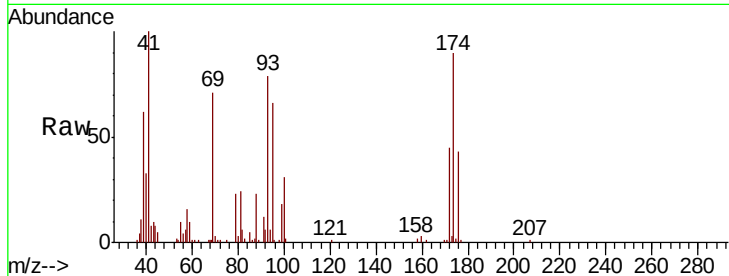




#49
1,4-Dioxane
Concen: 401.313 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

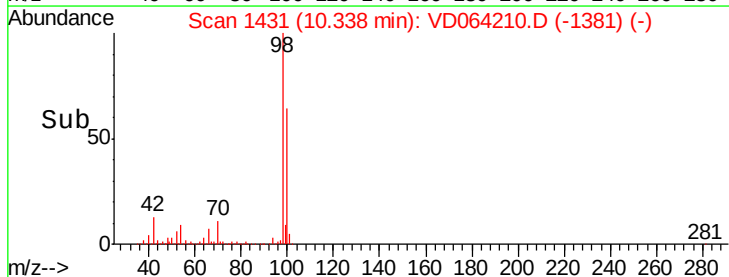
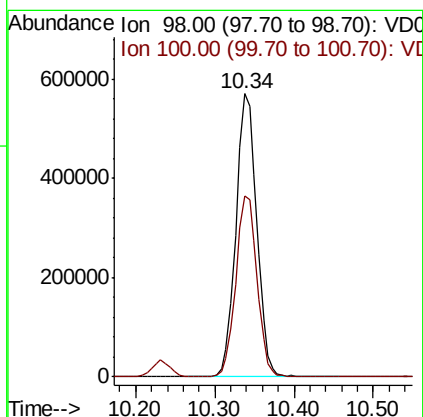
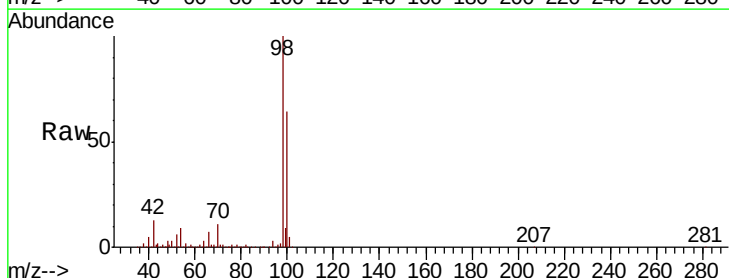
Instrument :
MSVOA_D
ClientSampleId :

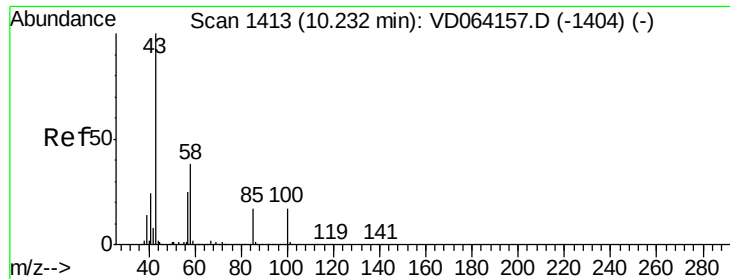
Tot Ion: 88 Resp: 14346
Ion Ratio Lower Upper
88 100
43 40.0 29.8 44.8
58 72.1 58.1 87.1



#50
Toluene-d8
Concen: 52.948 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion: 98 Resp: 1038334
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8

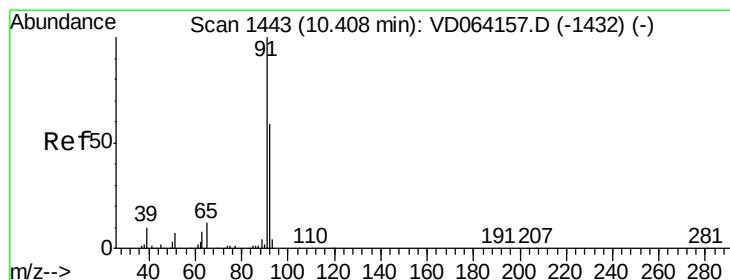
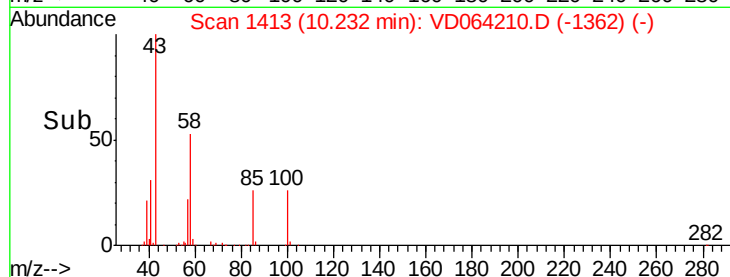
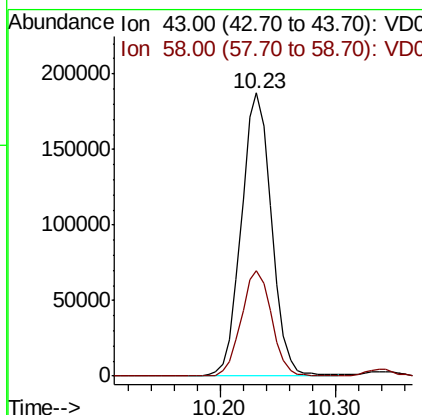
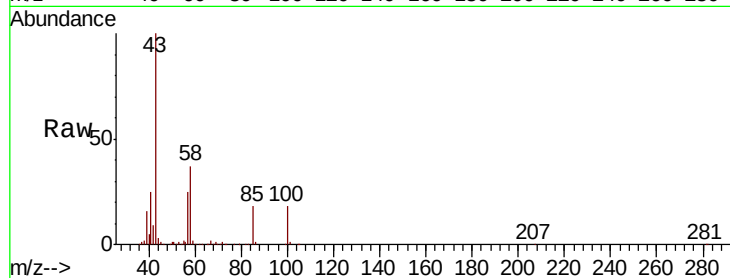




#51
4-Methyl-2-Pentanone
Concen: 97.437 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

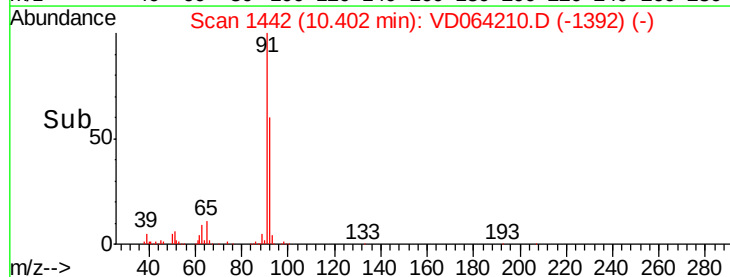
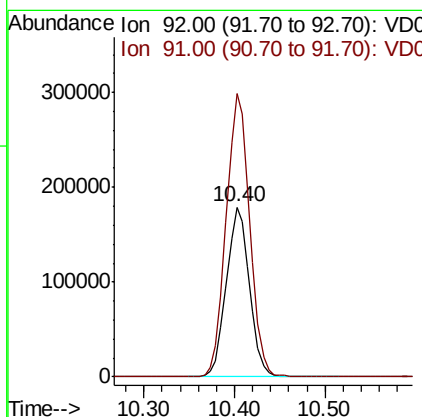
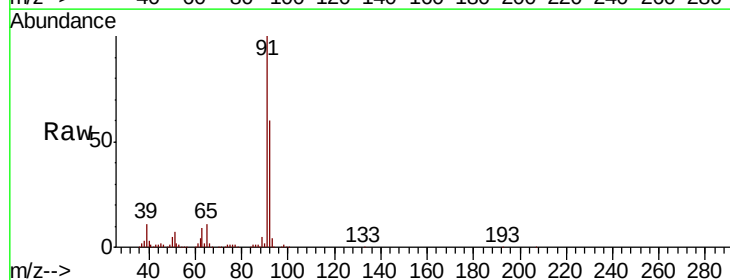
Instrument :
MSVOA_D
ClientSampled :

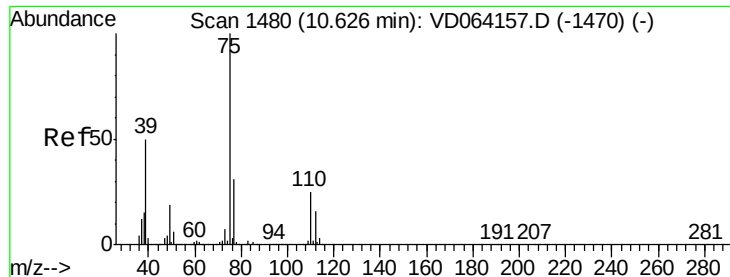
Tot Ion: 43 Resp: 339223
Ion Ratio Lower Upper
43 100
58 37.6 30.2 45.4



#52
Toluene
Concen: 21.128 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion: 92 Resp: 317357
Ion Ratio Lower Upper
92 100
91 170.0 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 20.366 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

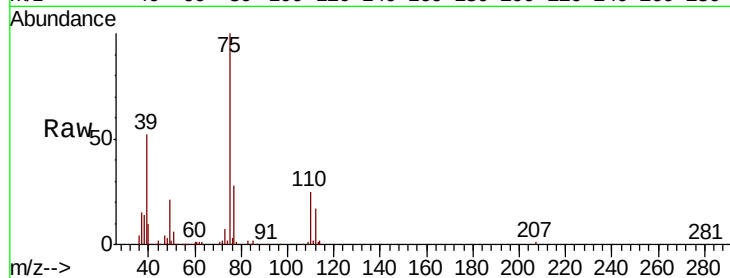
ClientSampled :

Tot Ion: 75 Resp: 163585

Ion Ratio Lower Upper

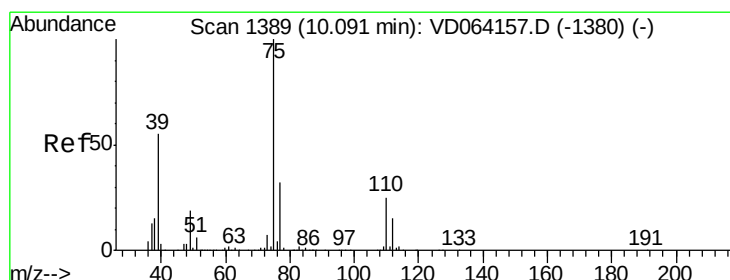
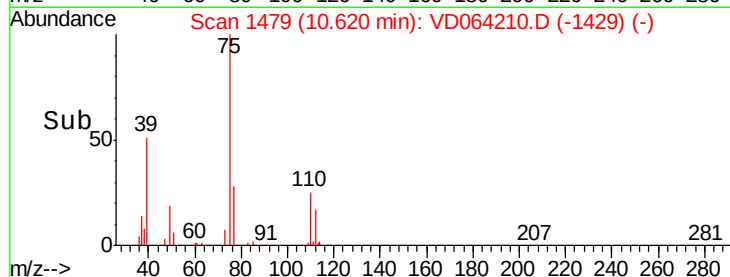
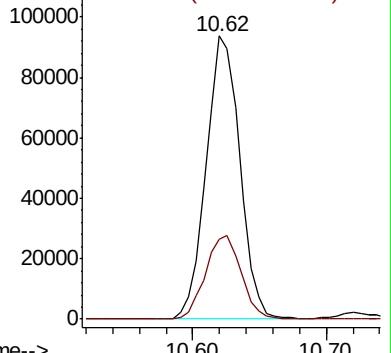
75 100

77 28.0 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.640 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

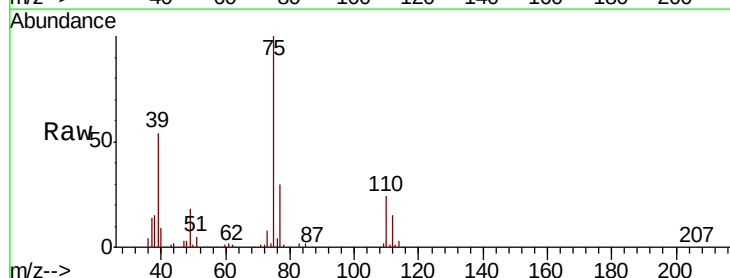
Tgt Ion: 75 Resp: 193461

Ion Ratio Lower Upper

75 100

77 30.0 25.2 37.8

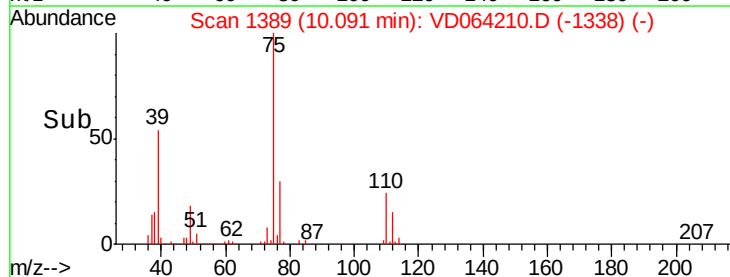
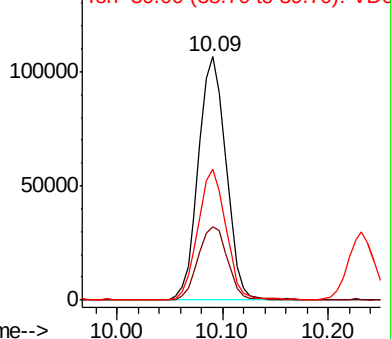
39 53.7 44.2 66.2

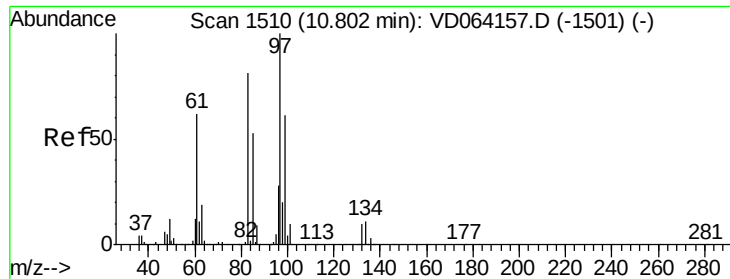


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

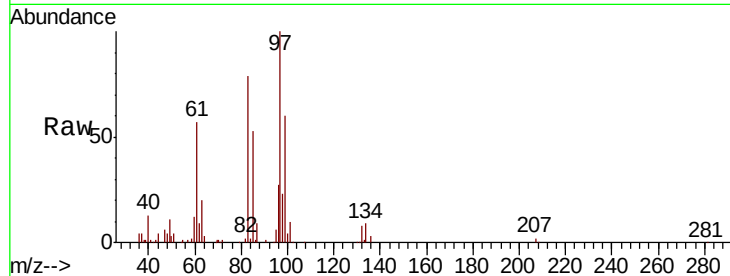




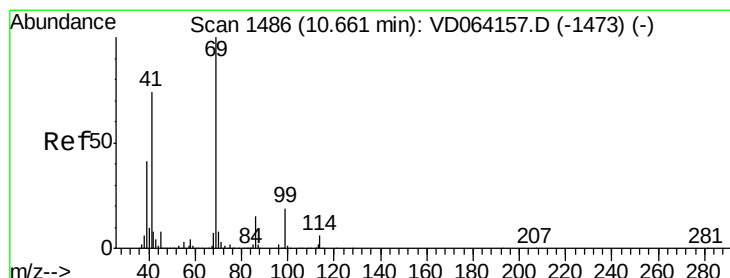
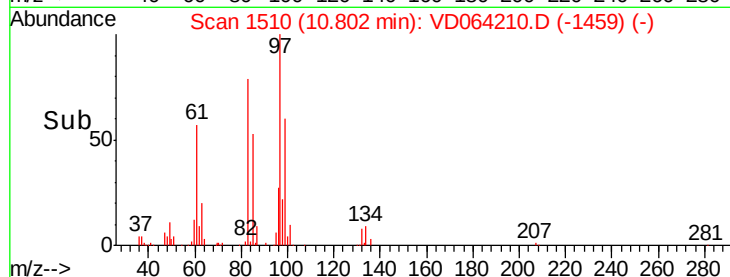
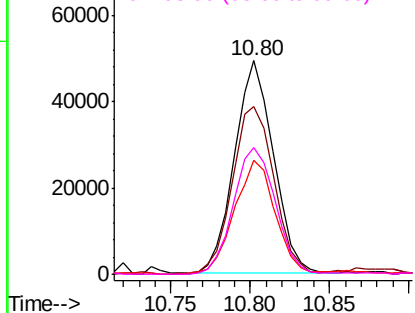
#55
 1,1,2-Trichloroethane
 Concen: 20.960 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	84634
Ion	Ratio	Lower	Upper
97	100		
83	79.1	65.1	97.7
85	53.1	42.0	63.0
99	59.8	48.9	73.3

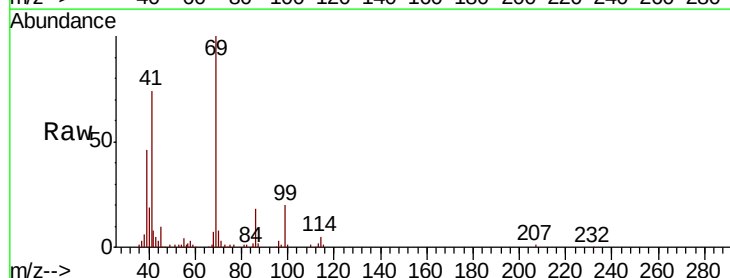


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

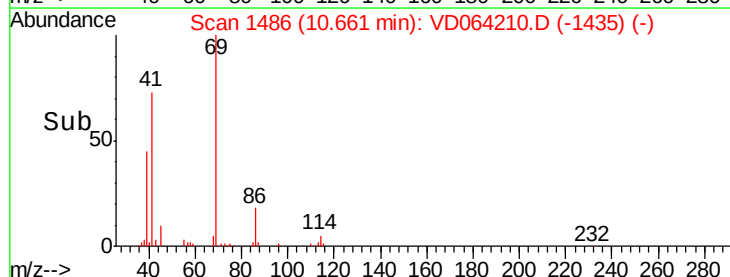
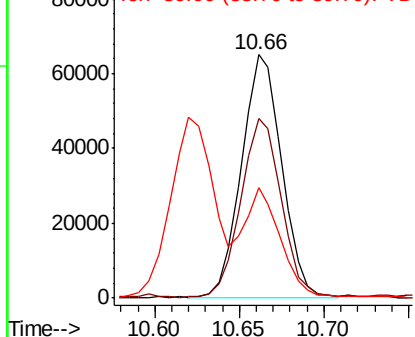


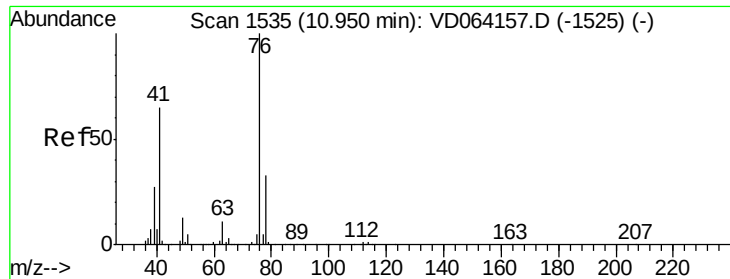
#56
 Ethyl methacrylate
 Concen: 19.167 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

Tgt Ion:	69	Resp:	108262
Ion	Ratio	Lower	Upper
69	100		
41	73.6	57.9	86.9
39	41.5	29.0	43.4



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

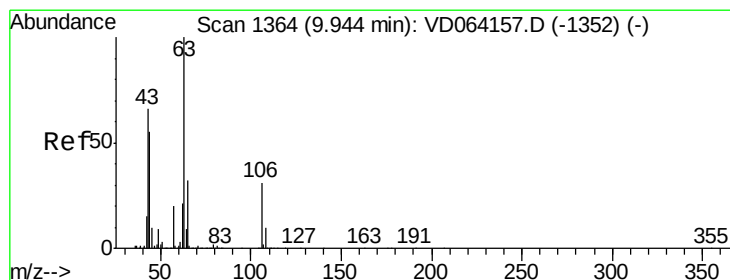
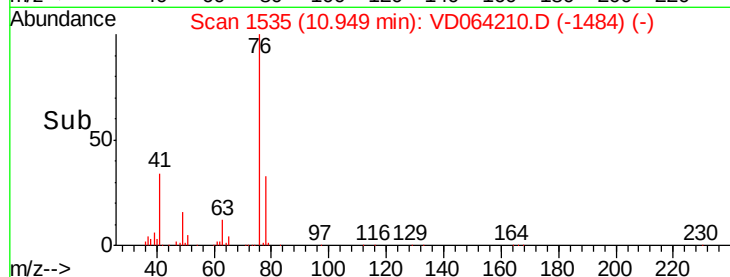
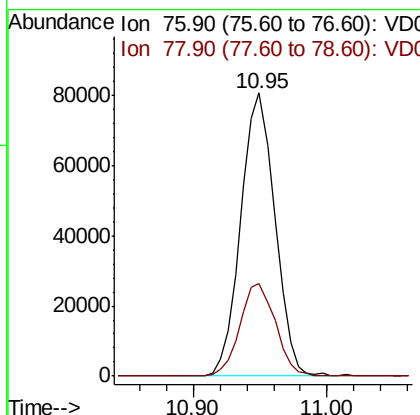
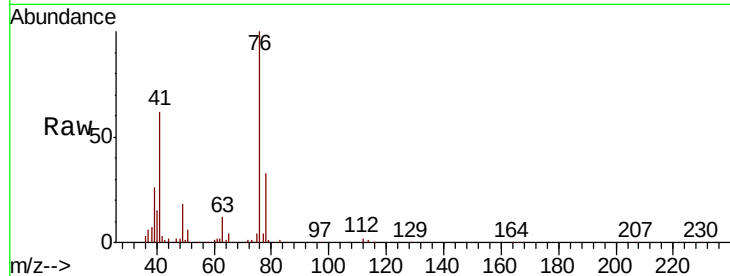




#57
 1,3-Dichloropropane
 Concen: 20.286 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

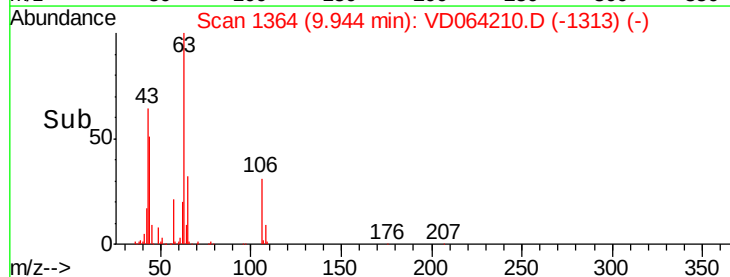
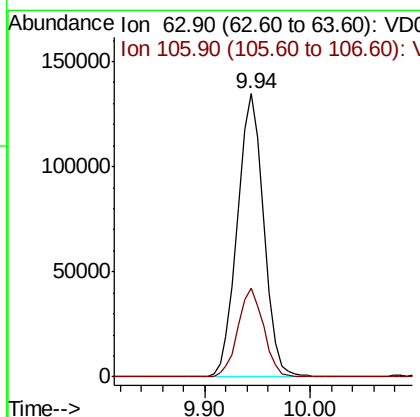
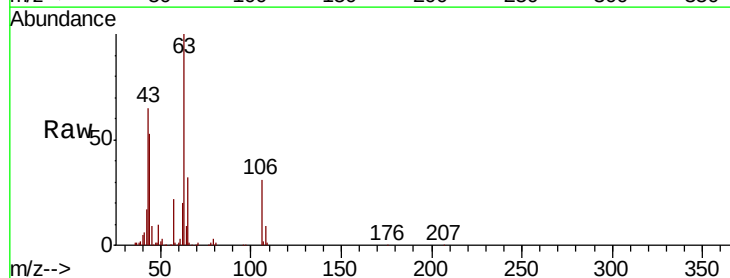
Instrument :
 MSVOA_D
 ClientSampleId :

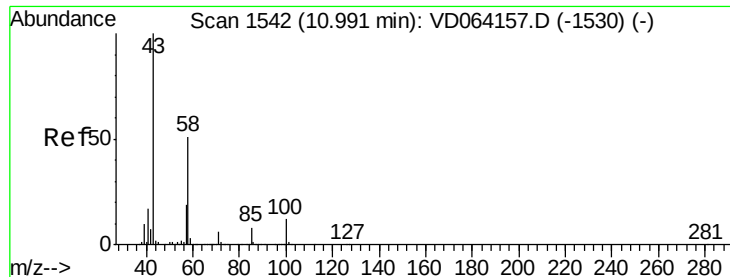
Tot Ion: 76 Resp: 142853
 Ion Ratio Lower Upper
 76 100
 78 33.9 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.373 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

Tgt Ion: 63 Resp: 231944
 Ion Ratio Lower Upper
 63 100
 106 30.7 24.1 36.1

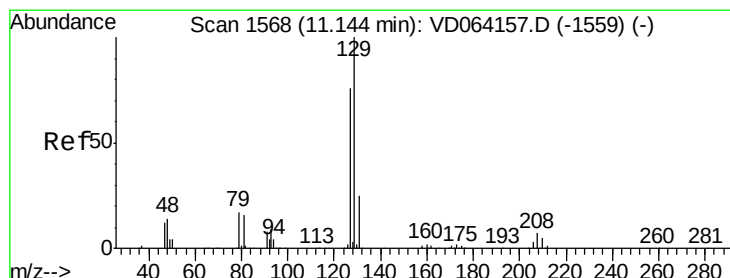
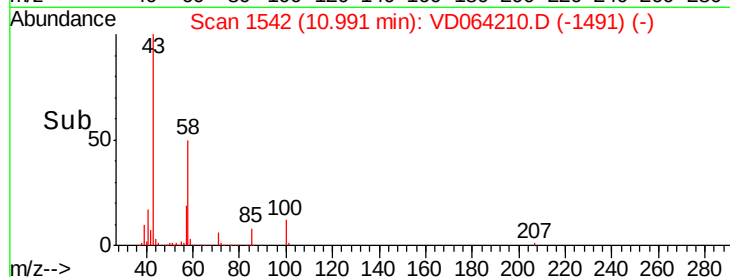
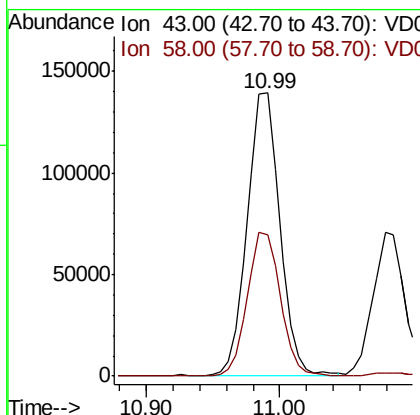
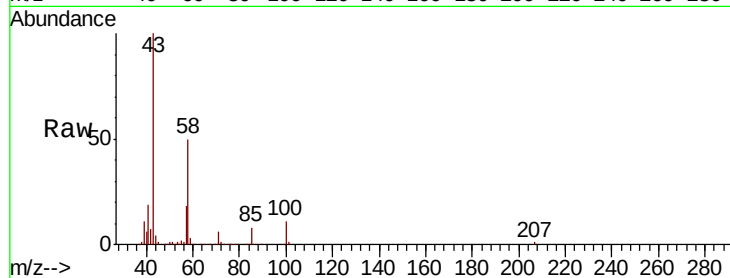




#59
2-Hexanone
Concen: 94.674 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

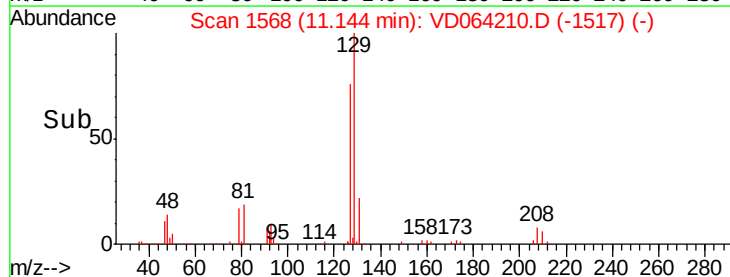
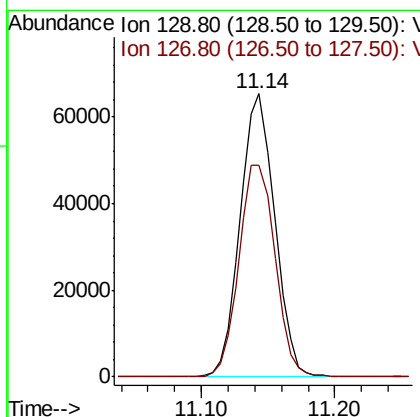
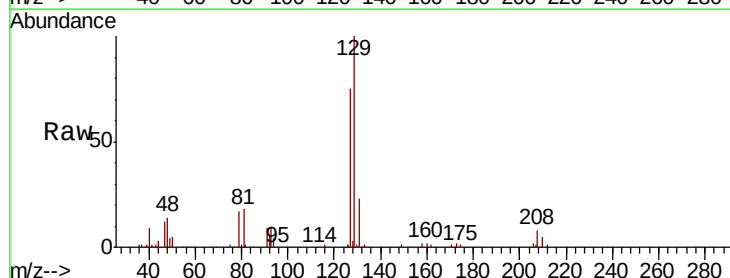
Instrument :
MSVOA_D
ClientSampleId :

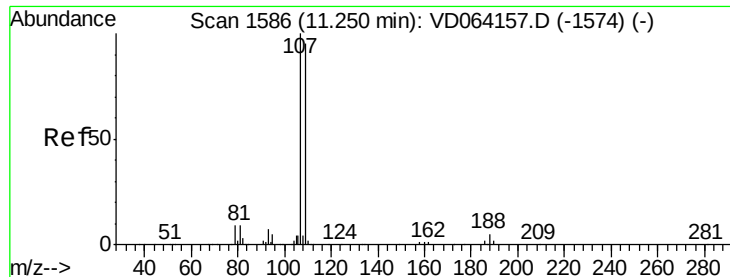
Tot Ion: 43 Resp: 234495
Ion Ratio Lower Upper
43 100
58 51.6 25.9 77.7



#60
Dibromochloromethane
Concen: 20.840 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion: 129 Resp: 117420
Ion Ratio Lower Upper
129 100
127 78.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.945 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

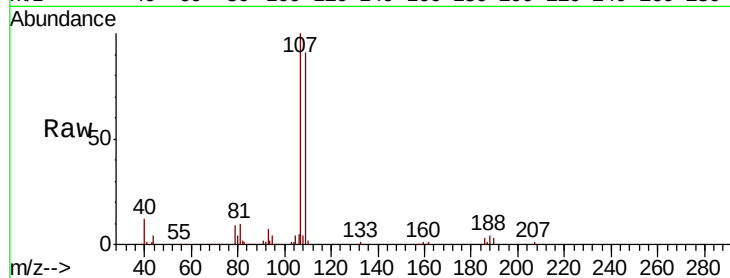
ClientSampled :

Tot Ion:107 Resp: 84706

Ion Ratio Lower Upper

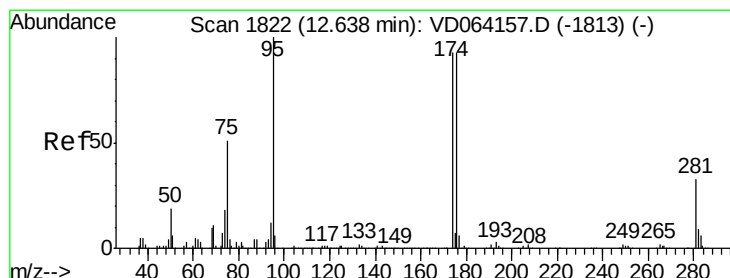
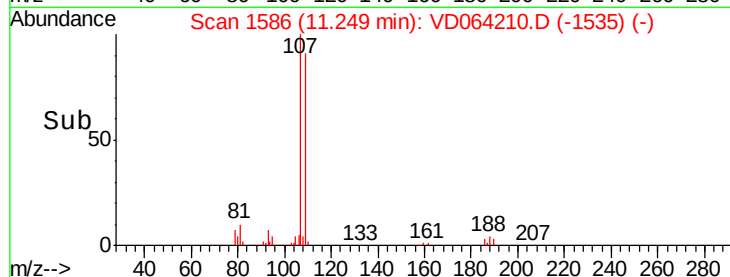
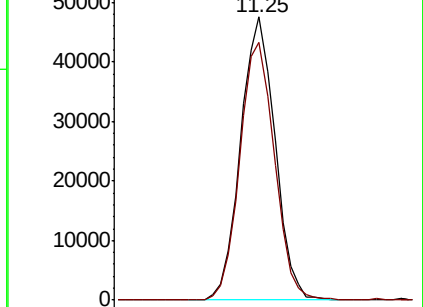
107 100

109 91.7 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.760 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

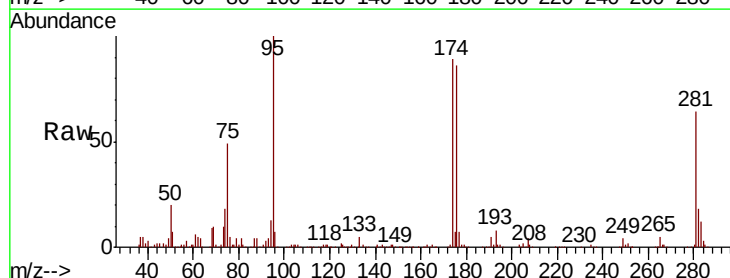
Tgt Ion: 95 Resp: 344724

Ion Ratio Lower Upper

95 100

174 93.3 0.0 183.6

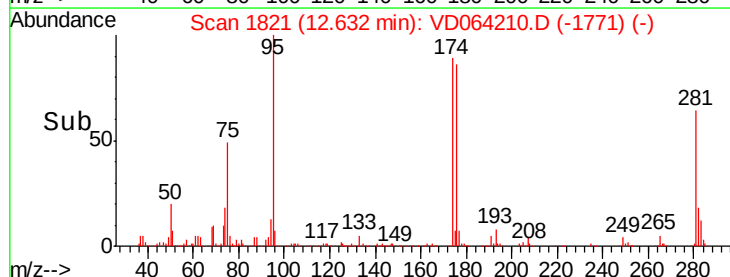
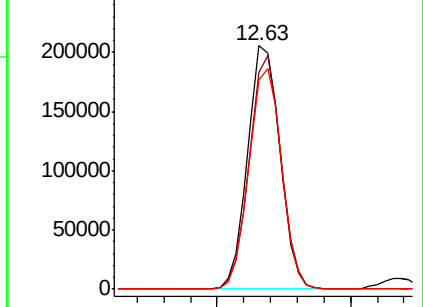
176 91.2 0.0 180.2

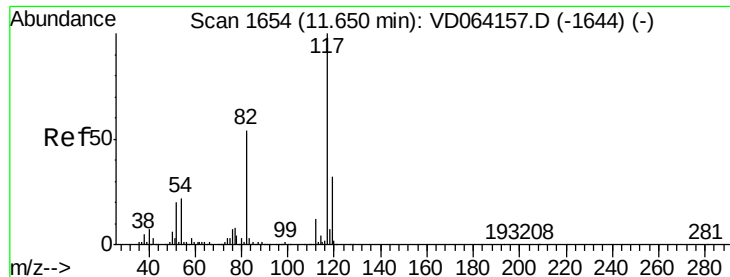


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

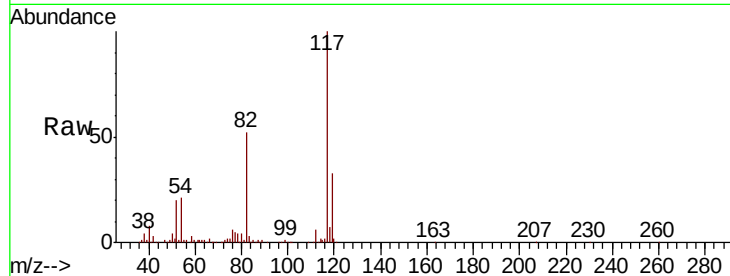




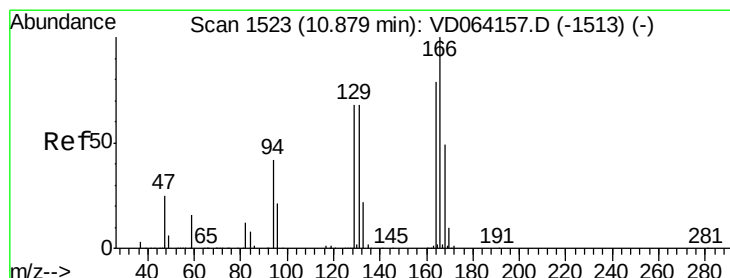
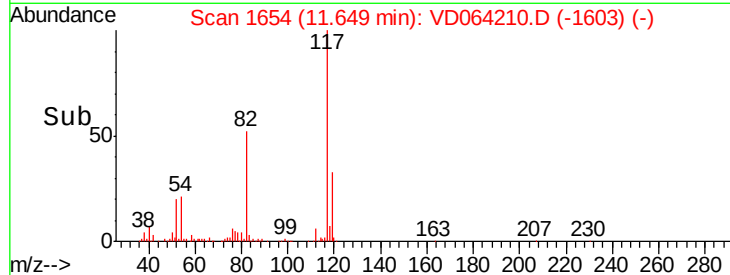
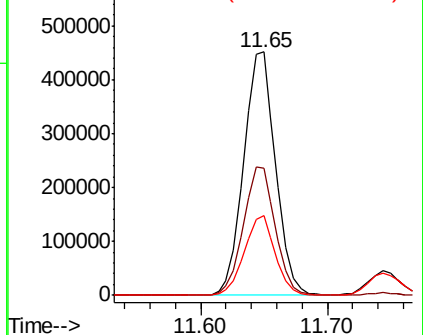
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 787148
Ion Ratio Lower Upper
117 100
82 52.5 42.8 64.2
119 33.0 25.6 38.4

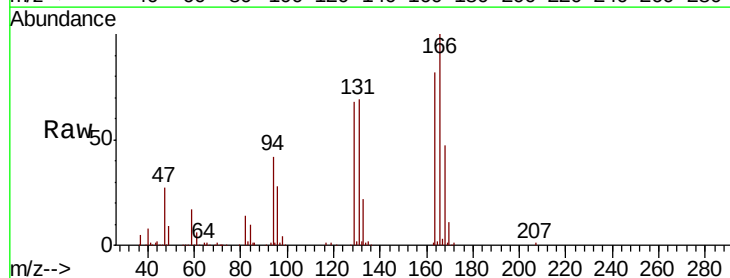


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

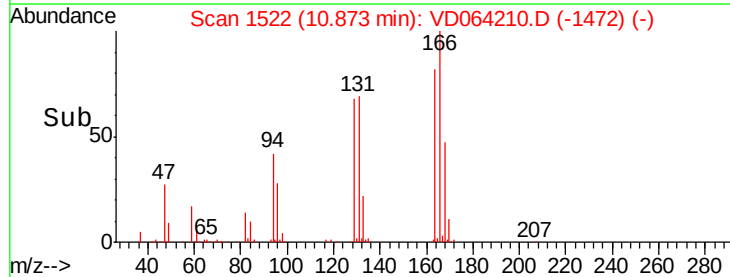
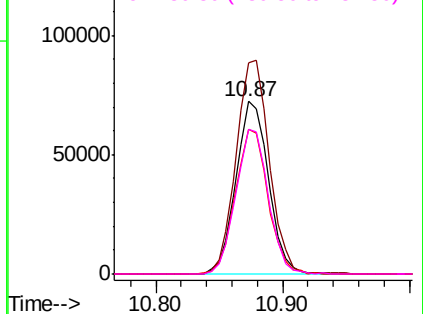


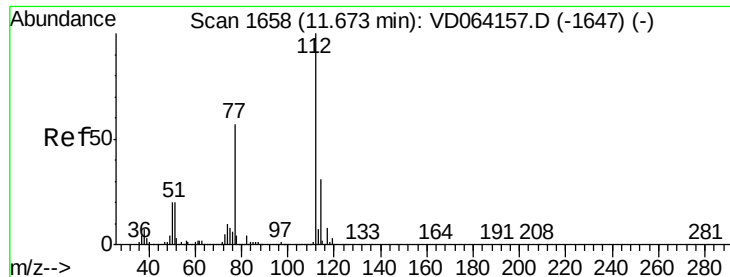
#64
Tetrachloroethene
Concen: 21.265 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion:164 Resp: 128735
Ion Ratio Lower Upper
164 100
166 122.5 100.8 151.2
129 83.7 68.7 103.1
131 84.0 68.1 102.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

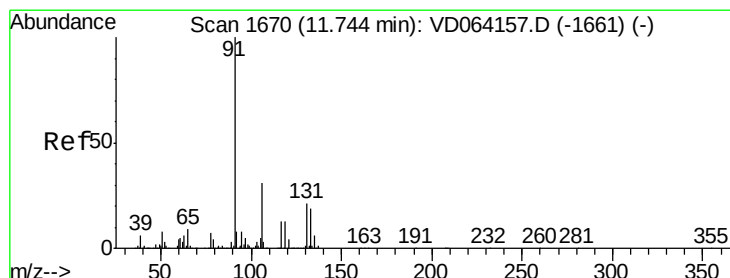
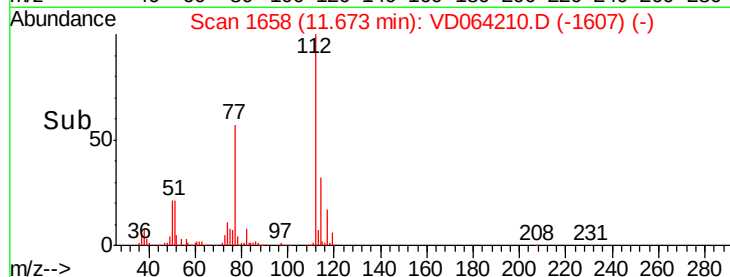
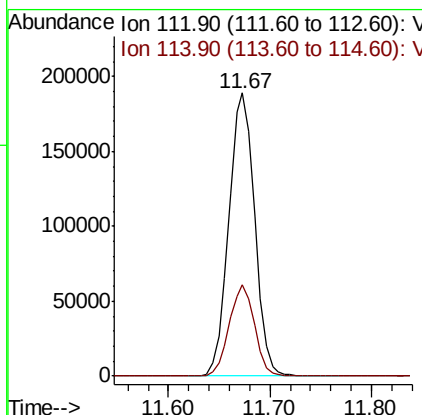
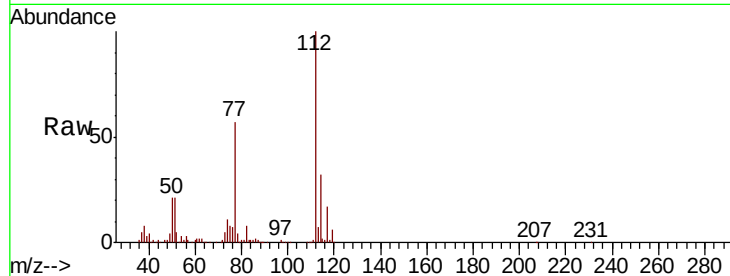




#65
Chlorobenzene
Concen: 20.854 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

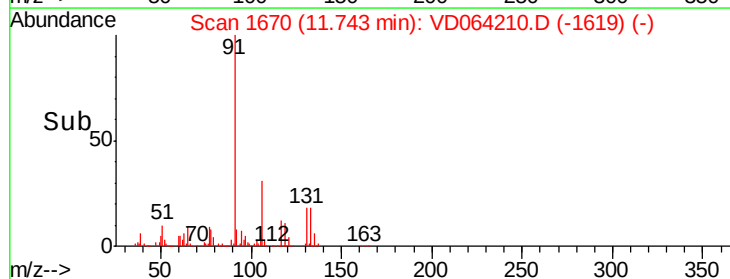
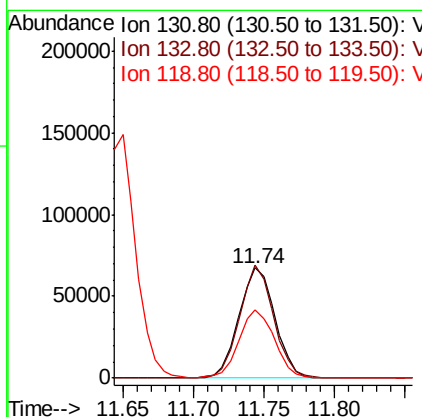
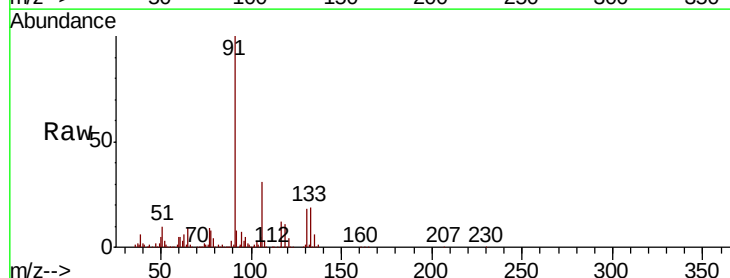
Instrument :
MSVOA_D
ClientSampleId :

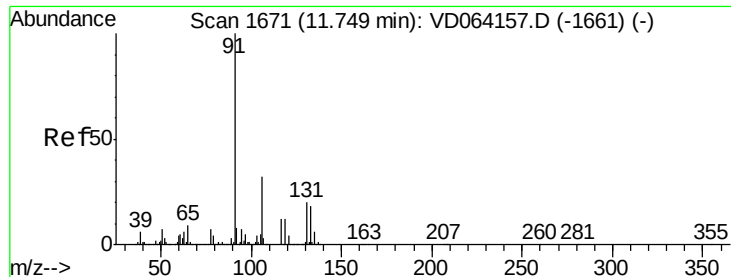
Tot Ion:112 Resp: 333801
Ion Ratio Lower Upper
112 100
114 32.1 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.799 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion:131 Resp: 120506
Ion Ratio Lower Upper
131 100
133 96.8 47.3 141.9
119 61.9 31.1 93.3





#67

Ethyl Benzene

Concen: 21.311 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

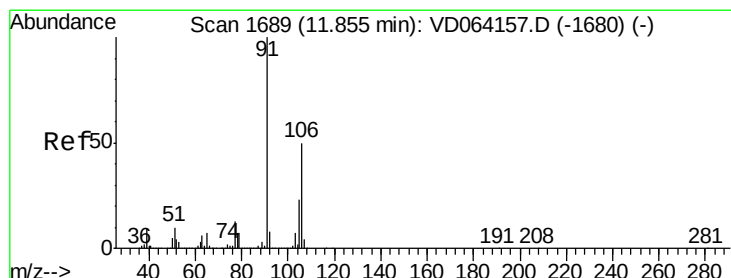
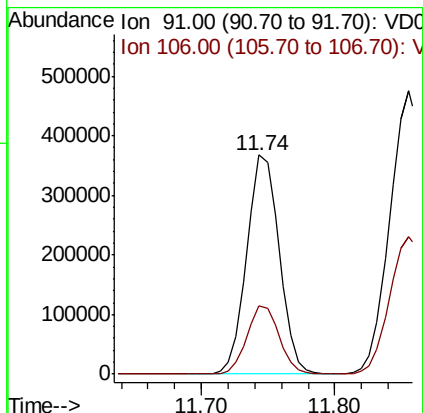
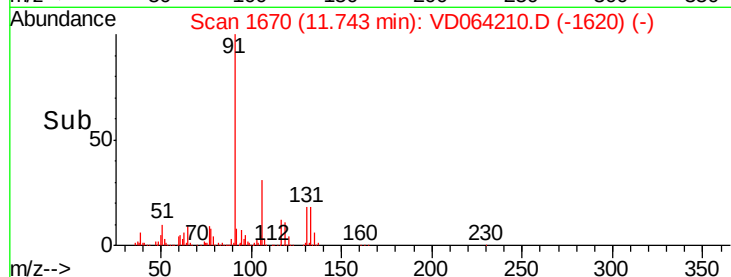
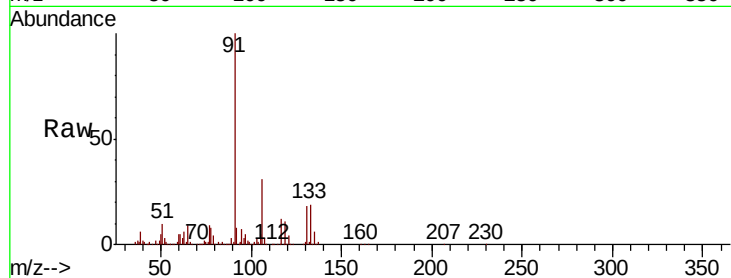
ClientSampleId :

Tot Ion: 91 Resp: 617015

Ion Ratio Lower Upper

91 100

106 31.3 25.5 38.3



#68

m/p-Xylenes

Concen: 40.648 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064210.D

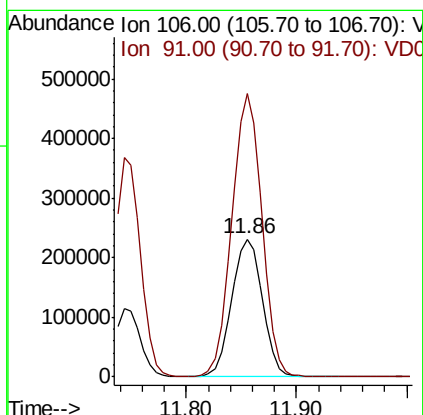
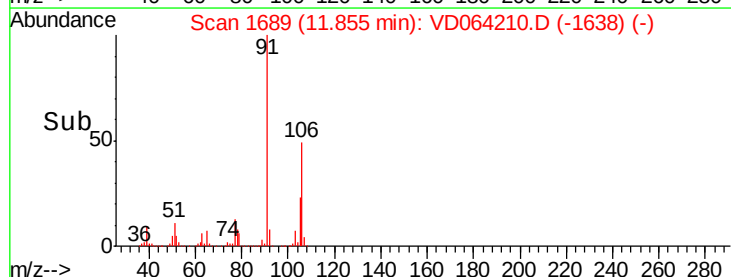
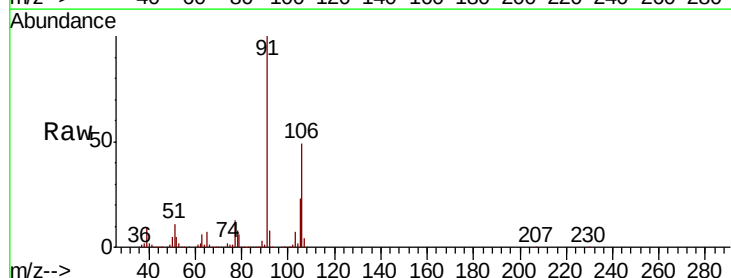
Acq: 14 Nov 2019 12:44

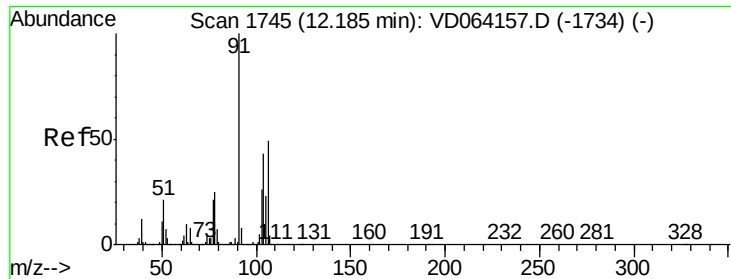
Tgt Ion: 106 Resp: 451103

Ion Ratio Lower Upper

106 100

91 201.8 160.3 240.5

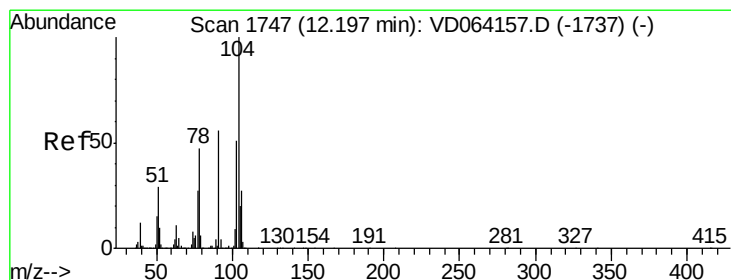
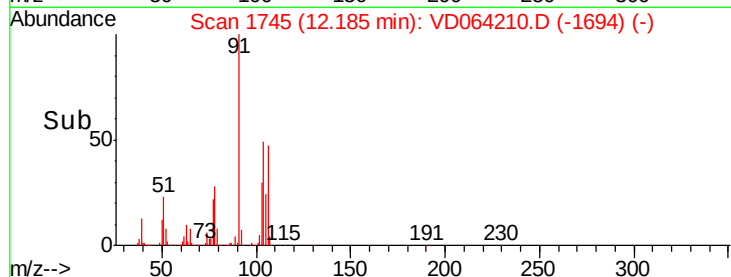
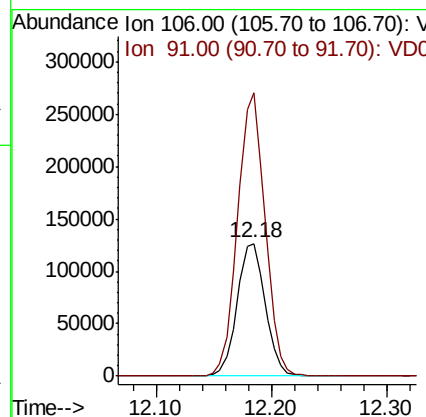
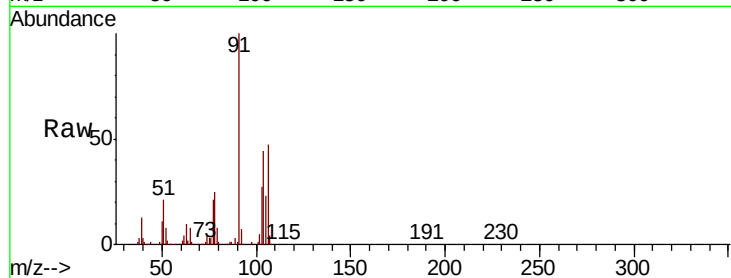




#69
o-Xylene
Concen: 20.732 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

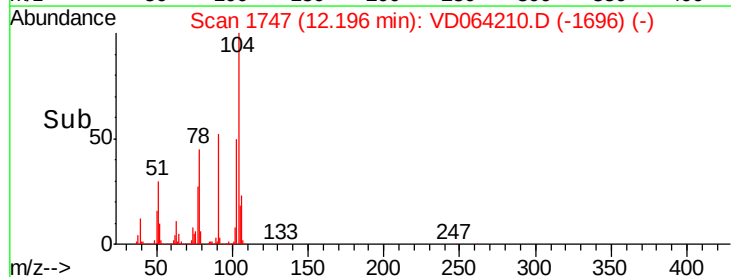
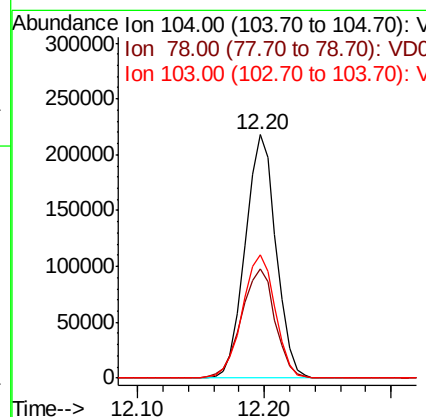
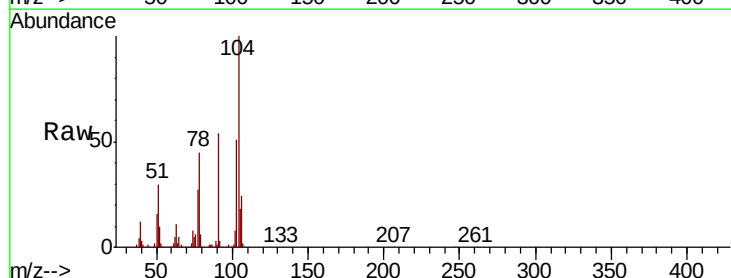
Instrument :
MSVOA_D
ClientSampleId :

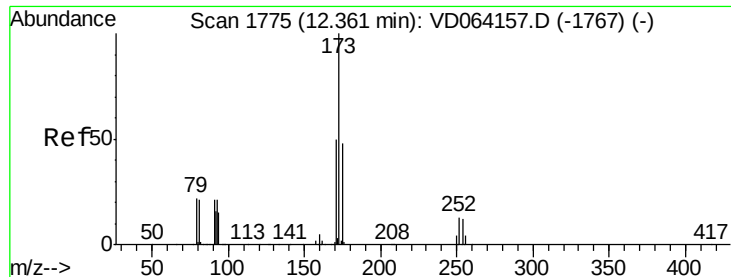
Tot Ion:106 Resp: 213387
Ion Ratio Lower Upper
106 100
91 208.8 105.1 315.3



#70
Styrene
Concen: 20.431 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion:104 Resp: 367065
Ion Ratio Lower Upper
104 100
78 49.2 39.9 59.9
103 54.0 43.4 65.0





#71

Bromoform

Concen: 20.519 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

ClientSampled :

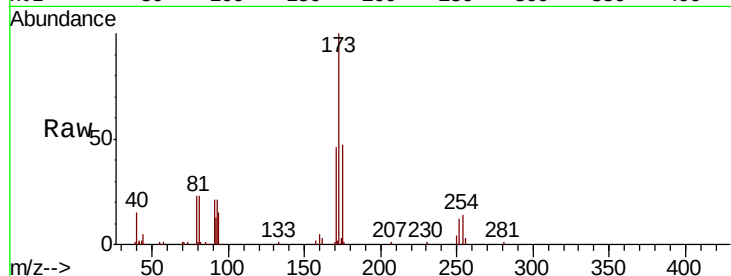
Tot Ion:173 Resp: 71074

Ion Ratio Lower Upper

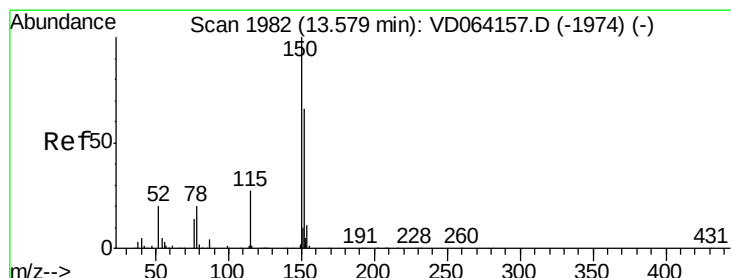
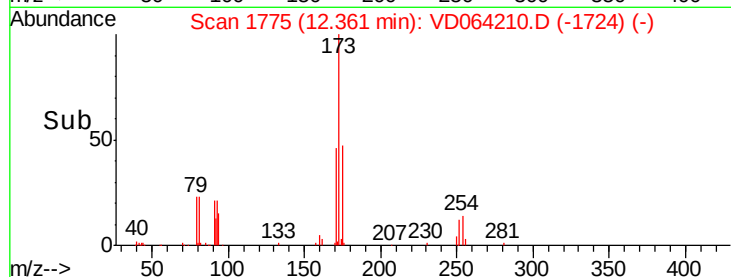
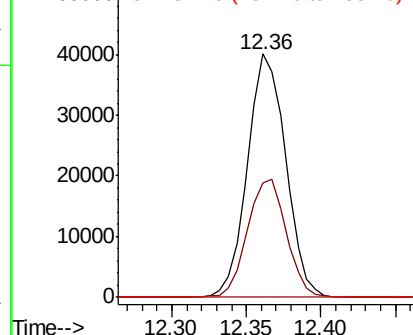
173 100

175 49.3 24.1 72.3

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

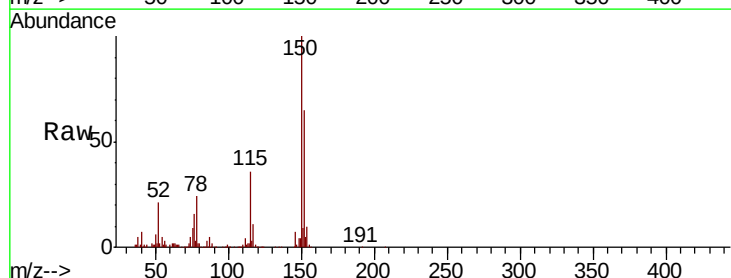
Tgt Ion:152 Resp: 375820

Ion Ratio Lower Upper

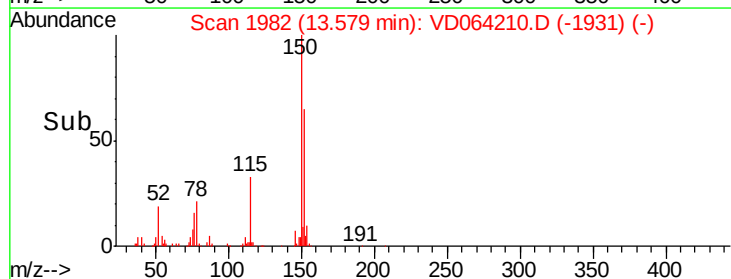
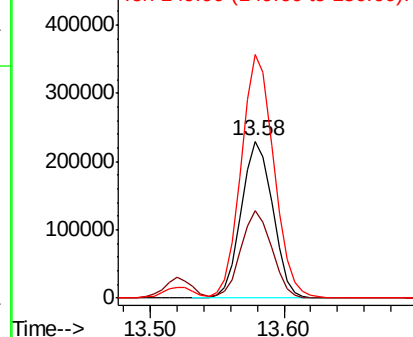
152 100

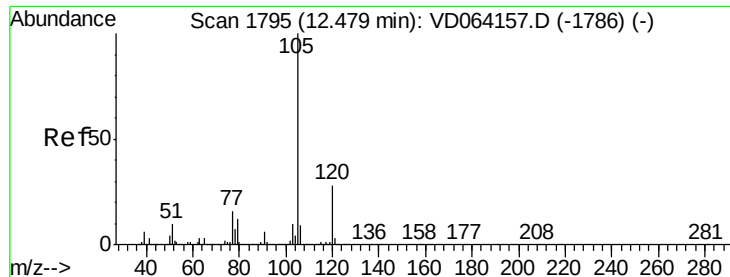
115 55.0 27.4 82.2

150 161.3 0.0 351.6



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





#73

Isopropylbenzene

Concen: 21.455 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

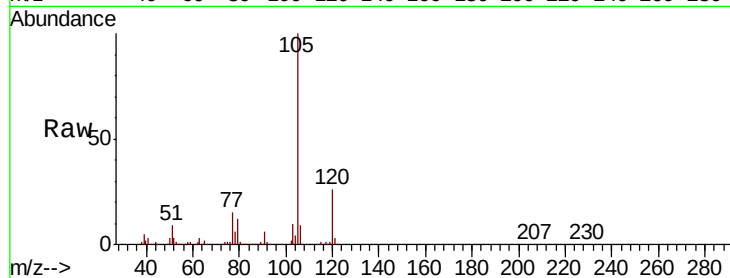
ClientSampleId :

Tot Ion:105 Resp: 591834

Ion Ratio Lower Upper

105 100

120 26.6 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

400000

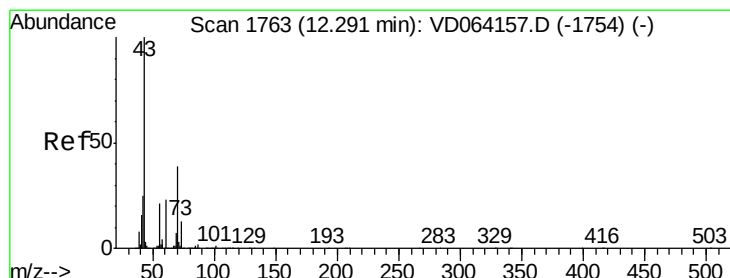
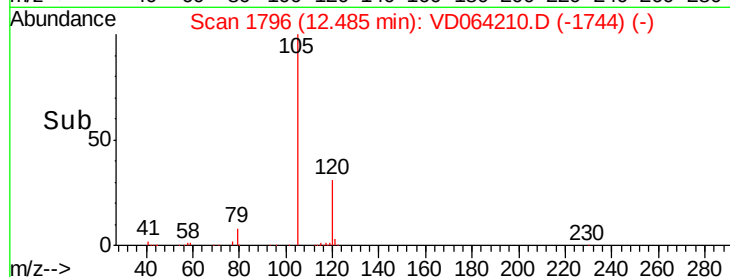
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 19.533 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Tgt Ion: 43 Resp: 127241

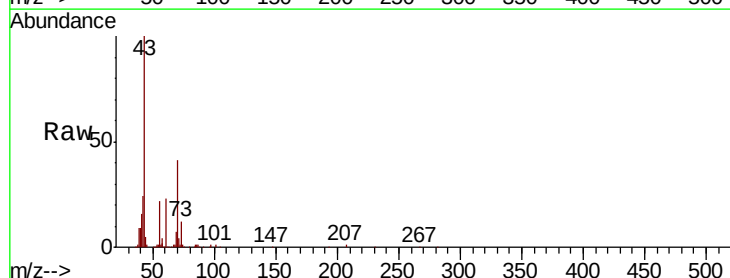
Ion Ratio Lower Upper

43 100

70 40.9 32.4 48.6

55 22.8 17.9 26.9

61 24.0 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

120000

100000

80000

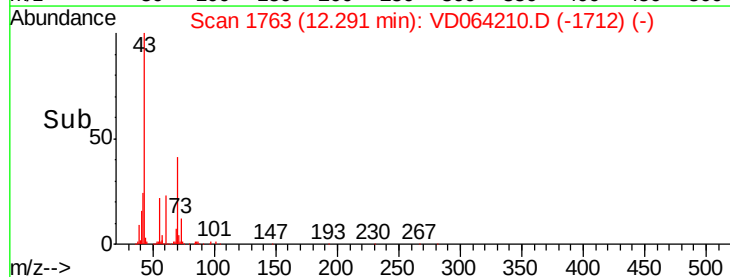
60000

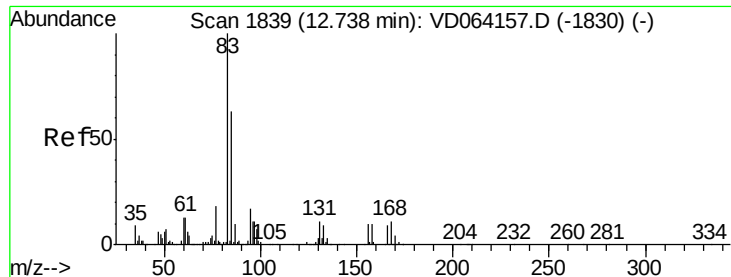
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.272 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

ClientSampleId :

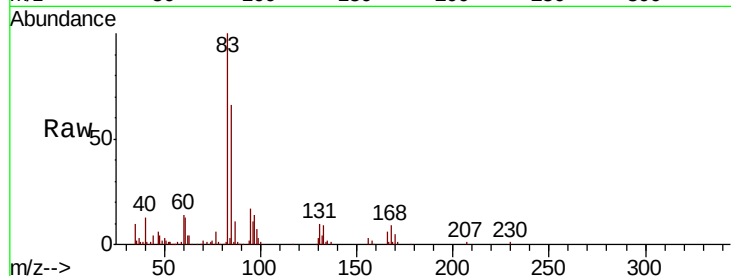
Tot Ion: 83 Resp: 88417

Ion Ratio Lower Upper

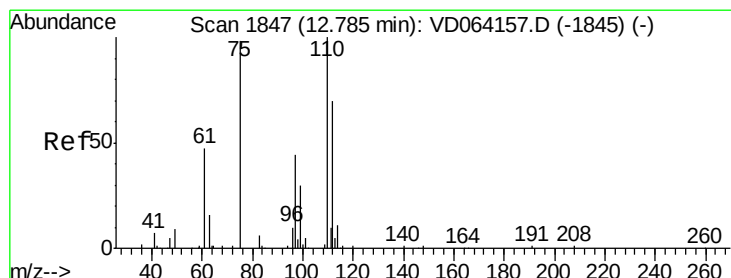
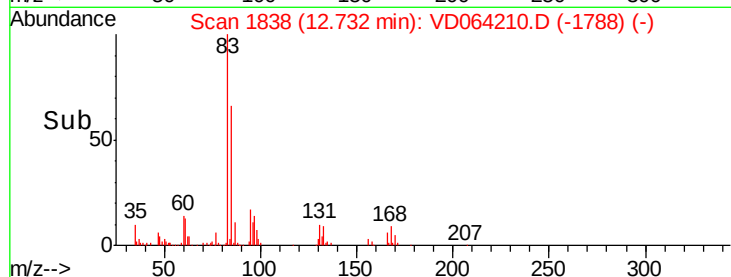
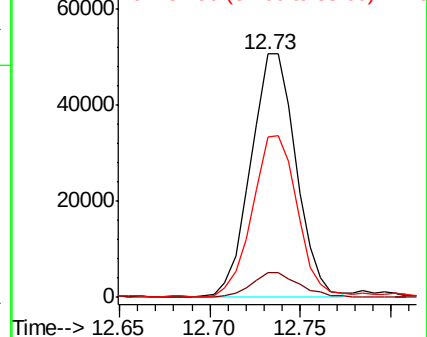
83 100

131 10.9 5.9 17.7

85 65.9 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: 39.686 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD064210.D

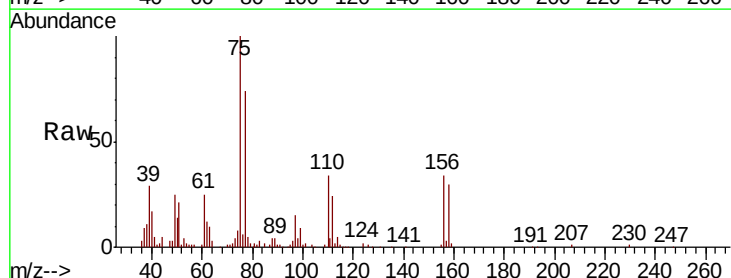
Acq: 14 Nov 2019 12:44

Tgt Ion: 75 Resp: 120134

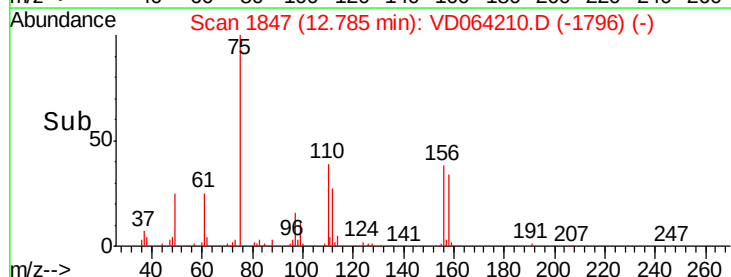
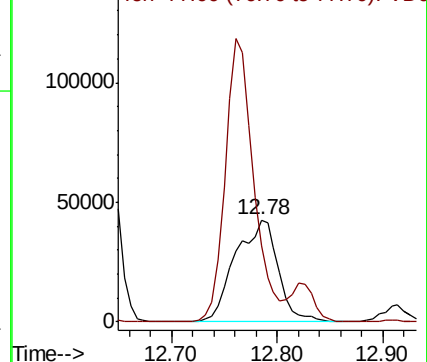
Ion Ratio Lower Upper

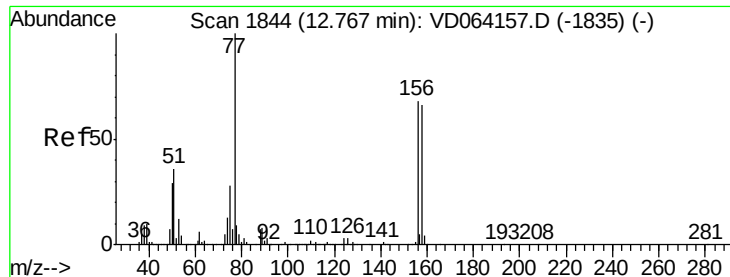
75 100

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: 20.160 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

ClientSampleId :

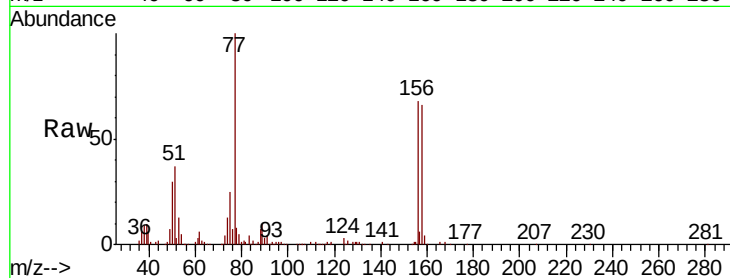
Tot Ion:156 Resp: 135102

Ion Ratio Lower Upper

156 100

77 162.9 81.2 243.4

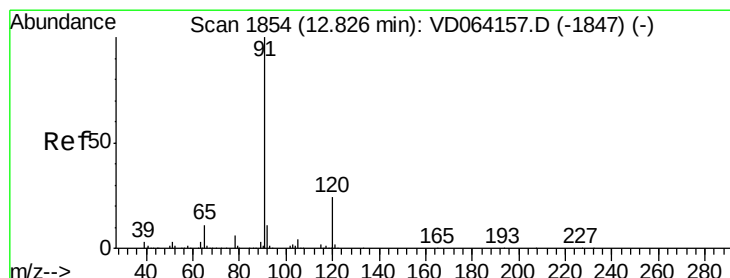
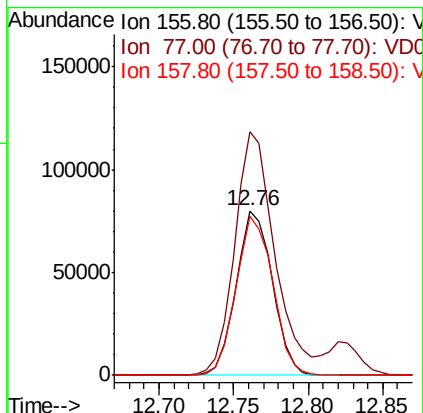
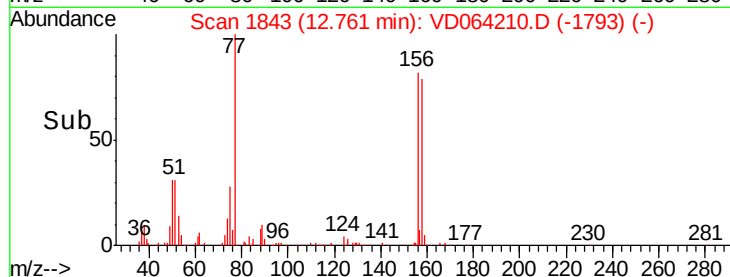
158 98.2 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.786 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064210.D

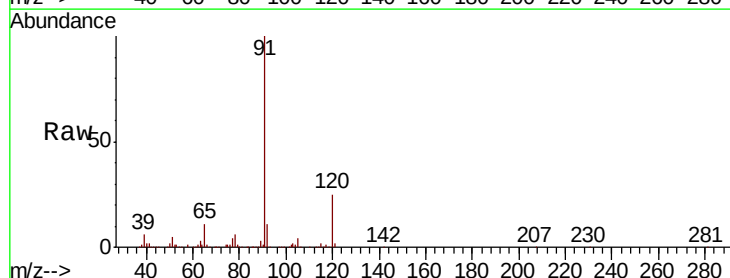
Acq: 14 Nov 2019 12:44

Tgt Ion: 91 Resp: 655113

Ion Ratio Lower Upper

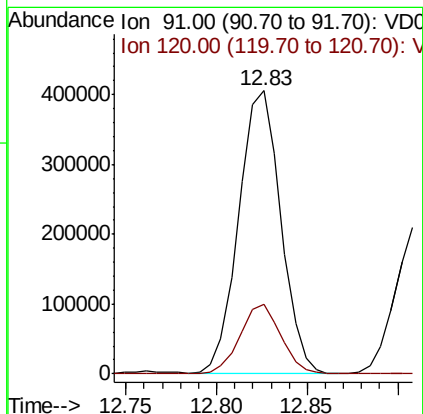
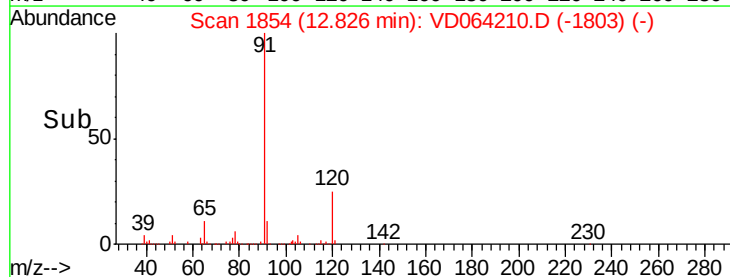
91 100

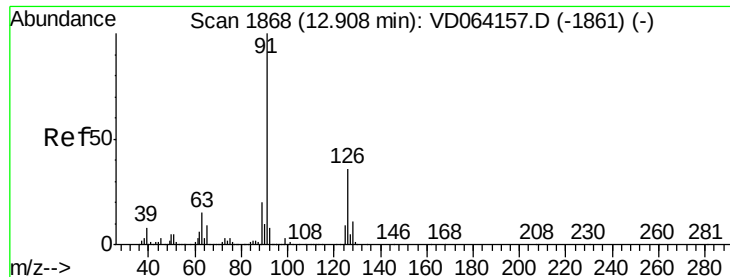
120 23.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.277 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

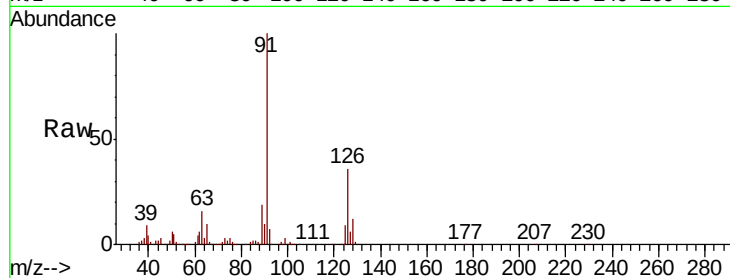
ClientSampleId :

Tot Ion: 91 Resp: 360799

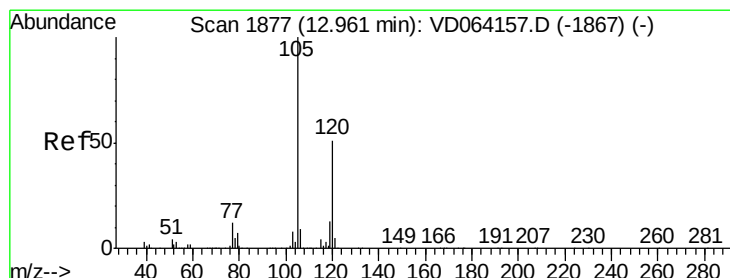
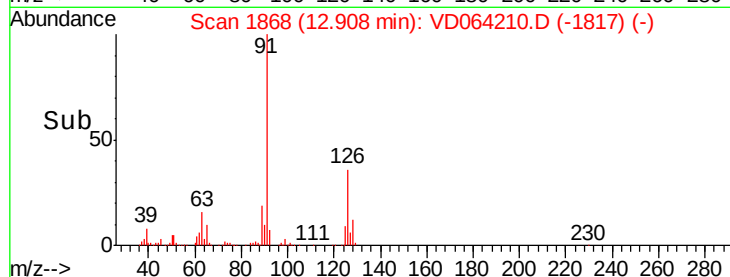
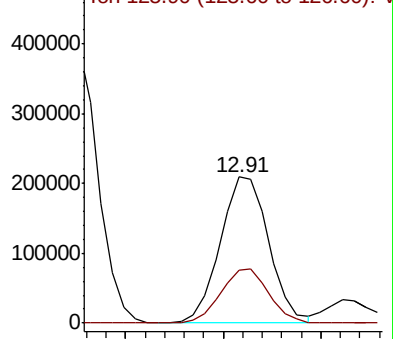
Ion Ratio Lower Upper

91 100

126 36.4 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 21.145 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD064210.D

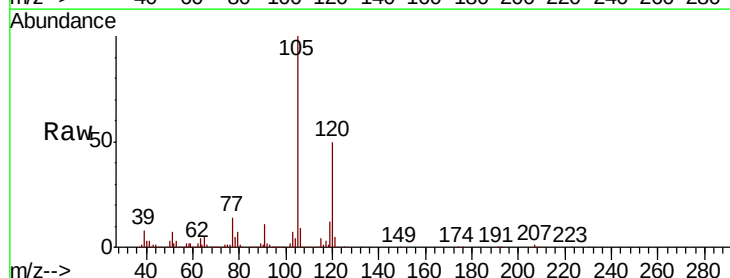
Acq: 14 Nov 2019 12:44

Tgt Ion:105 Resp: 479280

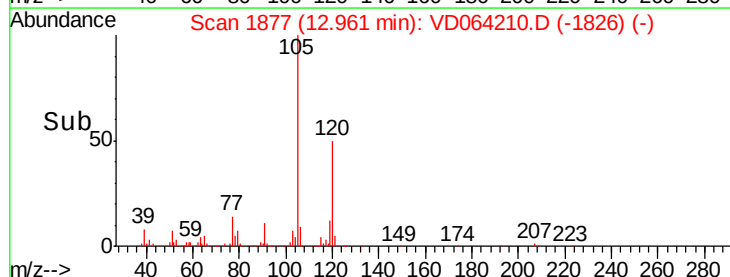
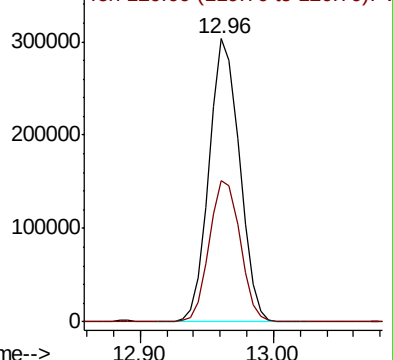
Ion Ratio Lower Upper

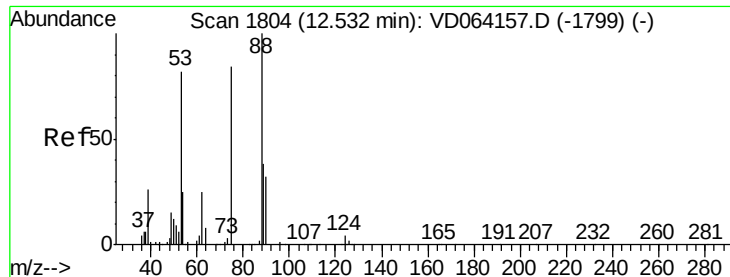
105 100

120 50.8 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.679 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

ClientSampleId :

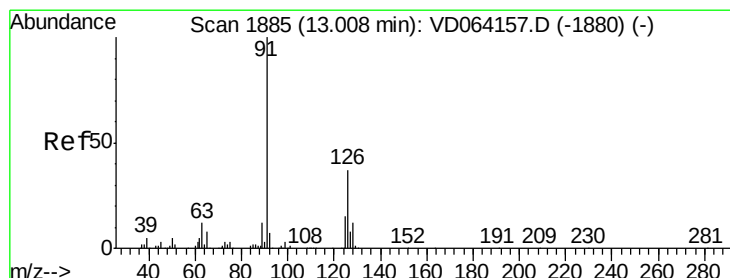
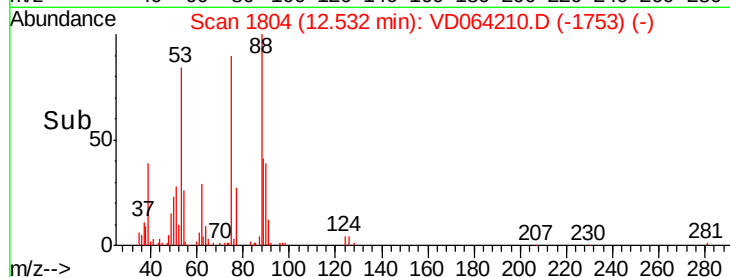
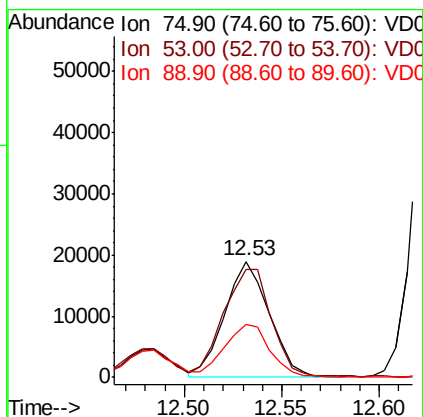
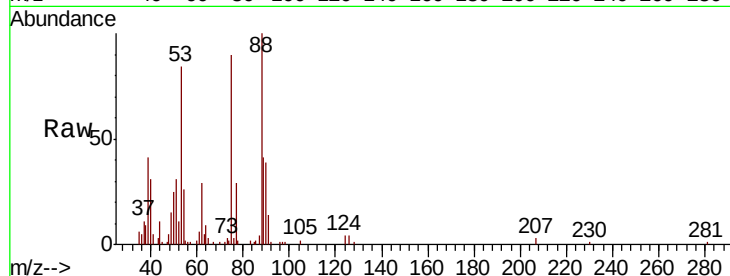
Tot Ion: 75 Resp: 29989

Ion Ratio Lower Upper

75 100

53 97.8 79.4 119.0

89 45.8 36.6 55.0



#82

4-Chlorotoluene

Concen: 20.382 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD064210.D

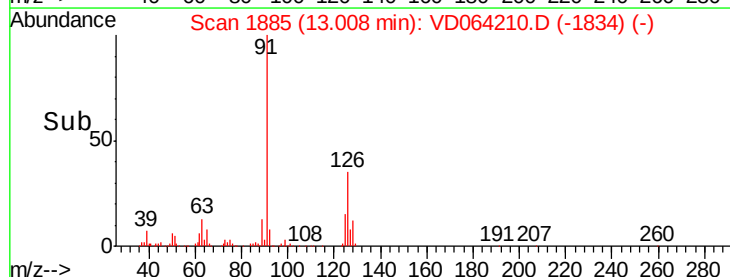
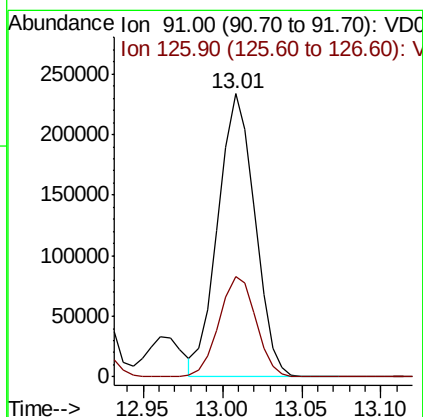
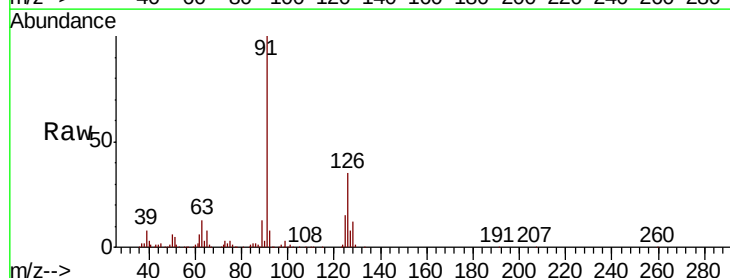
Acq: 14 Nov 2019 12:44

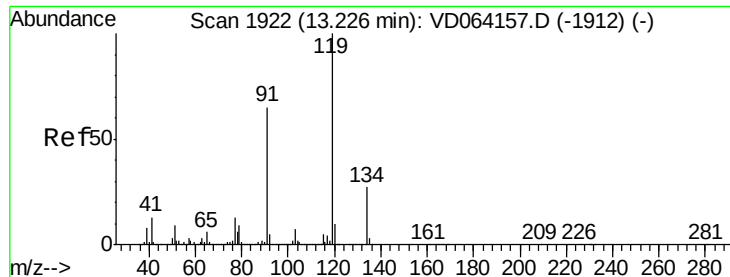
Tgt Ion: 91 Resp: 378264

Ion Ratio Lower Upper

91 100

126 35.4 17.8 53.4

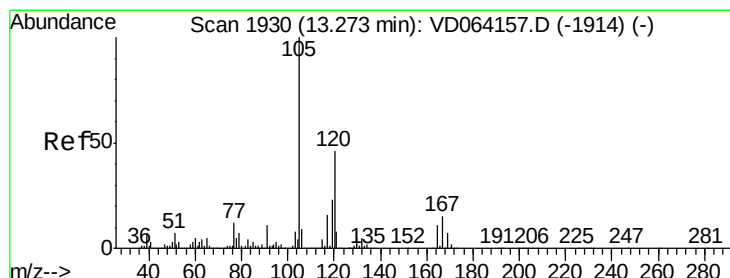
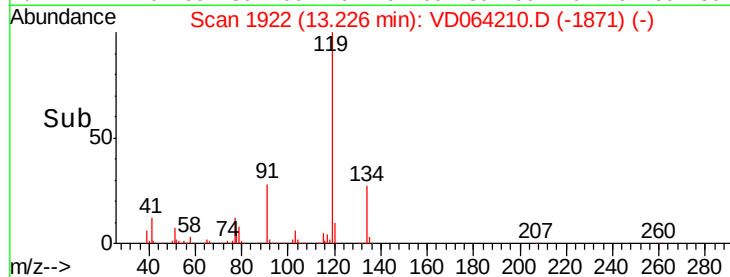
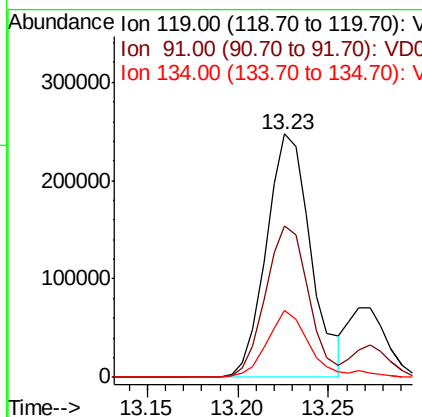
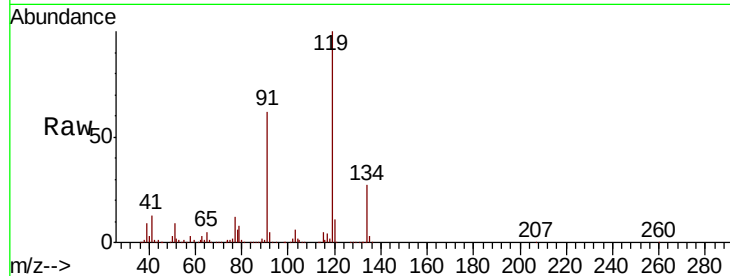




#83
 tert-Butylbenzene
 Concen: 21.162 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

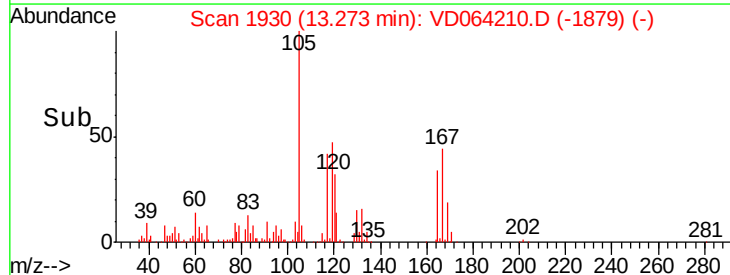
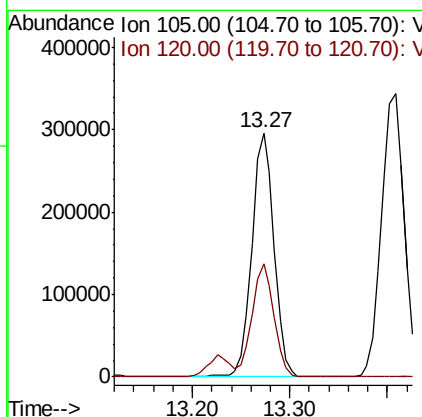
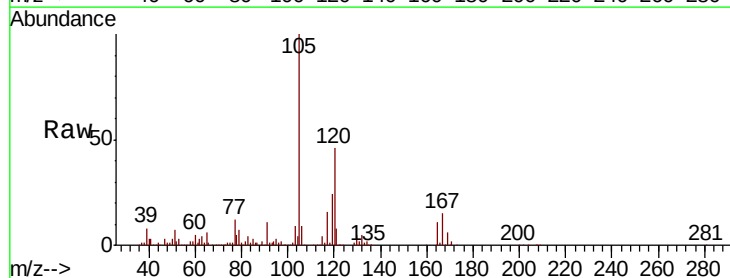
Instrument :
 MSVOA_D
 ClientSampleId :

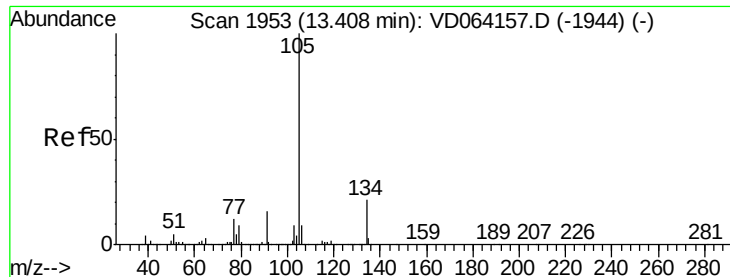
Tot Ion:119 Resp: 422956
 Ion Ratio Lower Upper
 119 100
 91 60.6 31.8 95.4
 134 25.4 13.7 41.0



#84
 1,2,4-Trimethylbenzene
 Concen: 21.131 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

Tgt Ion:105 Resp: 472874
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.3 69.8

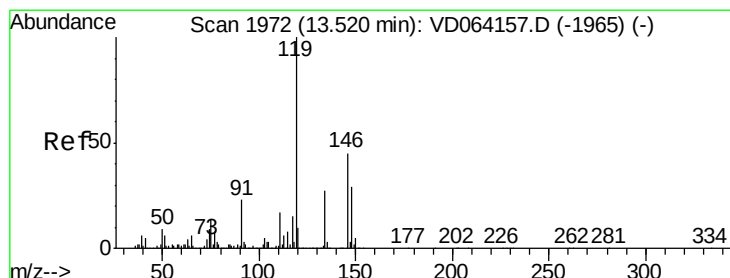
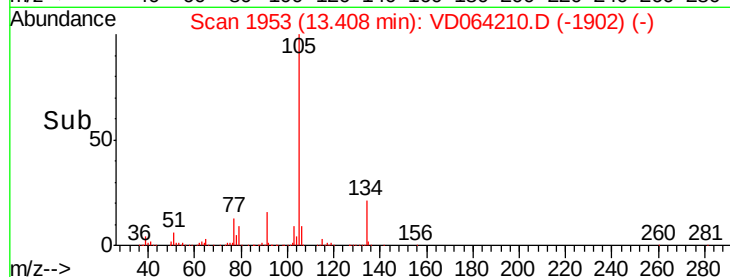
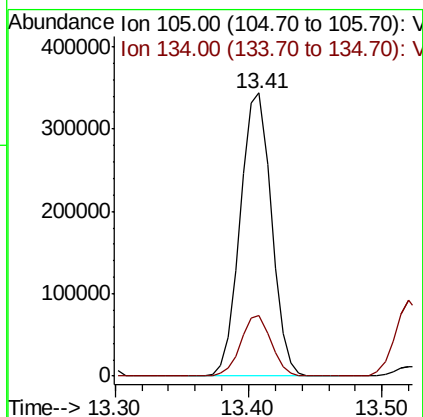
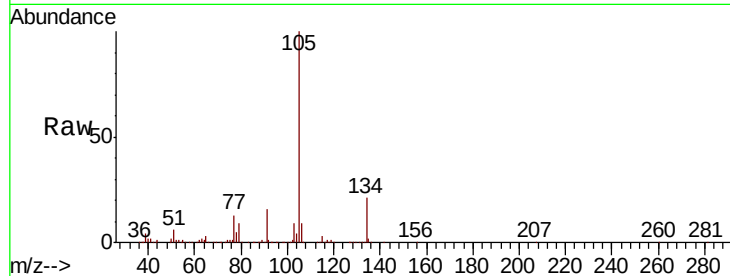




#85
 sec-Butylbenzene
 Concen: 20.723 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

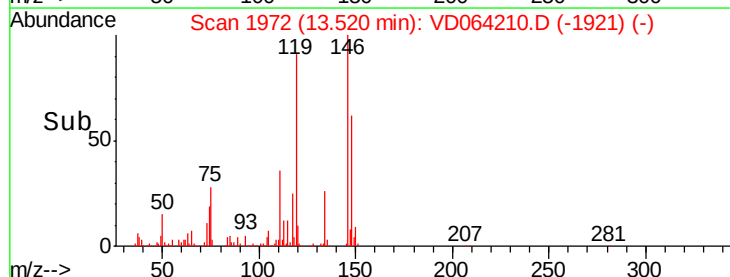
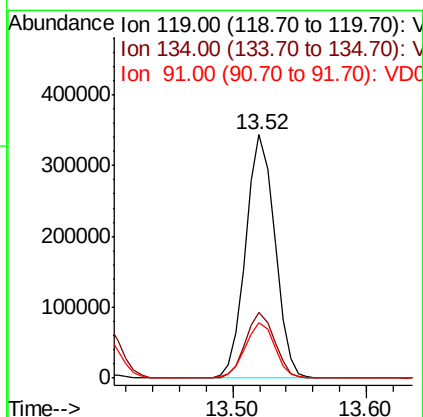
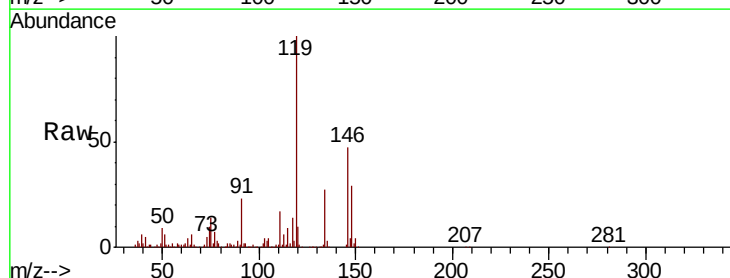
Instrument :
 MSVOA_D
 ClientSampleId :

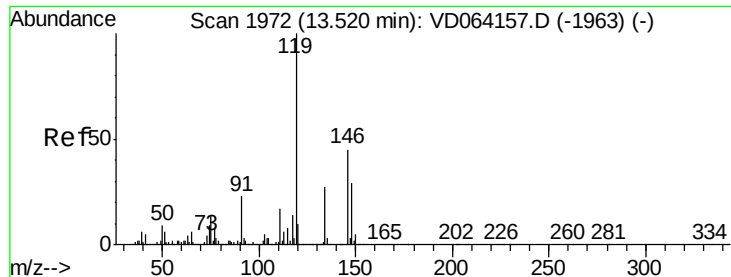
Tot Ion:105 Resp: 556295
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.7 31.9



#86
 p-Isopropyltoluene
 Concen: 20.246 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

Tgt Ion:119 Resp: 516703
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.5 40.5
 91 23.0 11.5 34.4

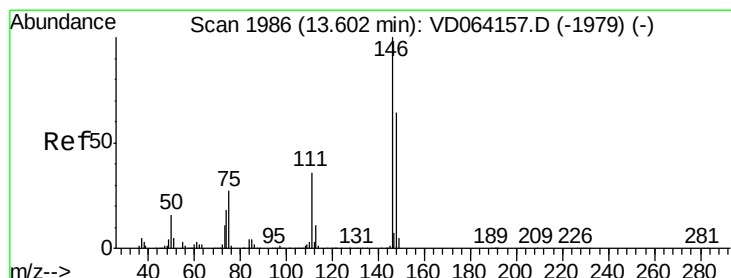
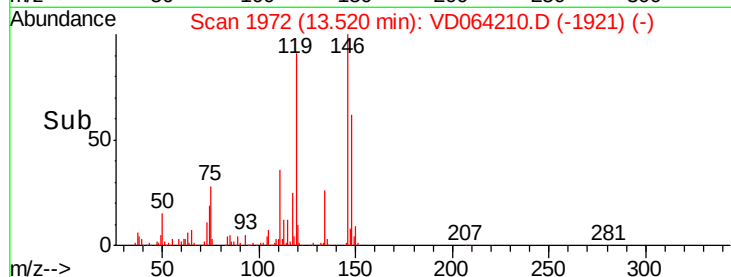
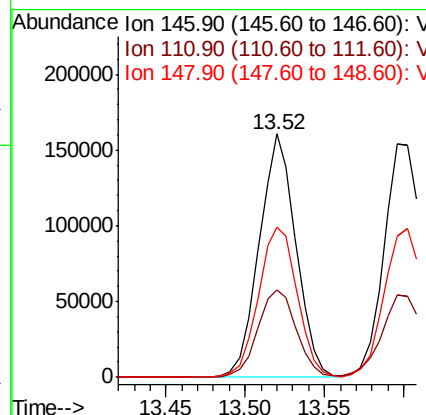
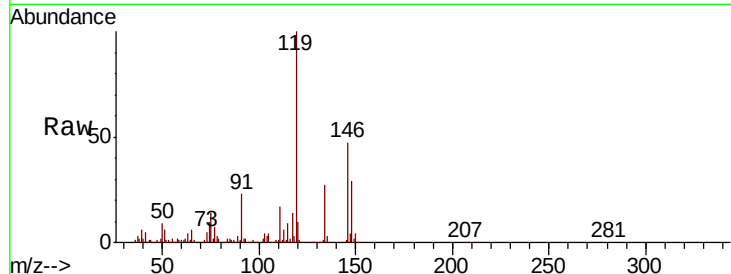




#87
 1,3-Dichlorobenzene
 Concen: 20.802 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

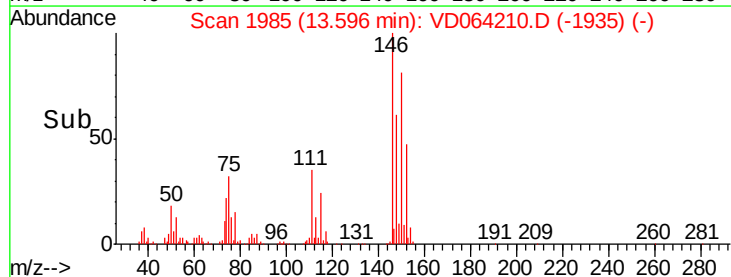
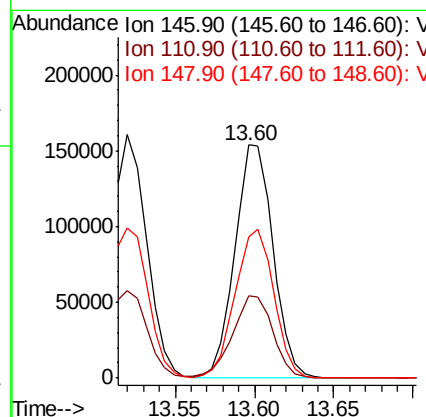
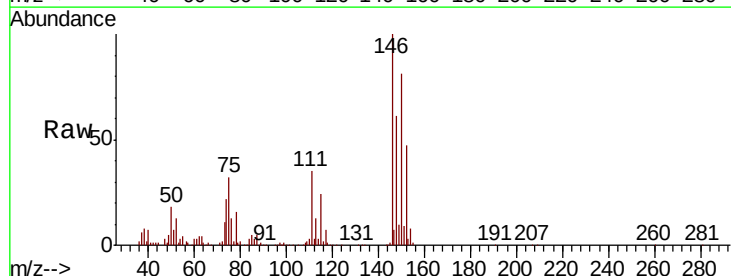
Instrument :
 MSVOA_D
 ClientSampleId :

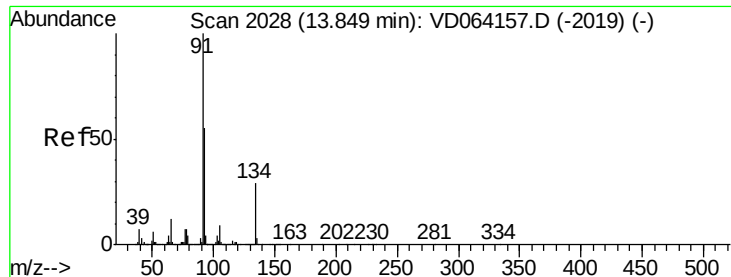
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.9	56.9
148	65.2	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 21.223 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.1	54.4
148	64.8	31.9	95.7

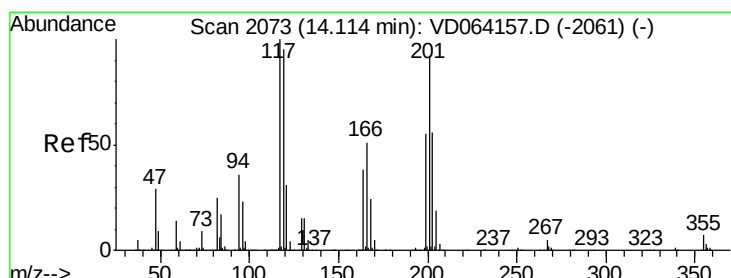
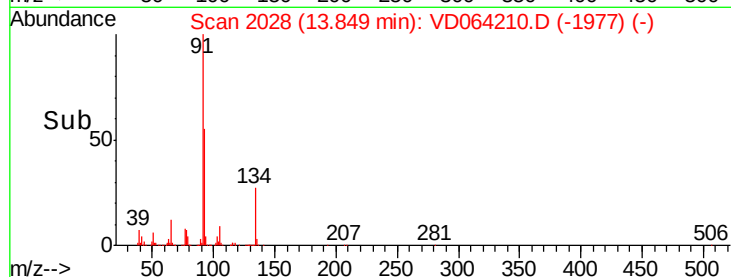
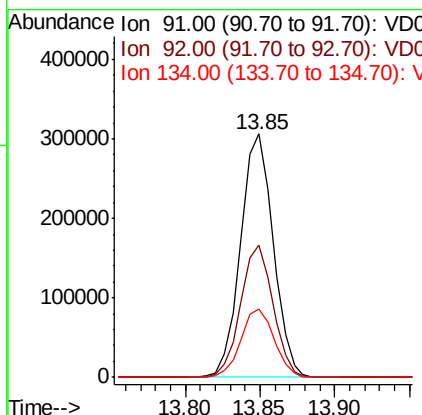
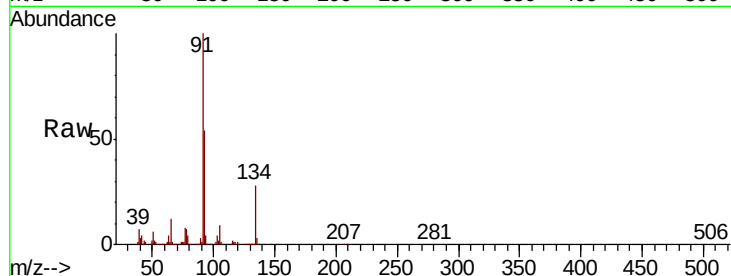




#89
n-Butylbenzene
Concen: 20.160 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

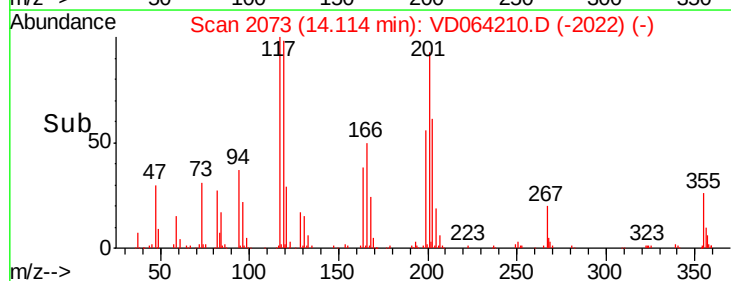
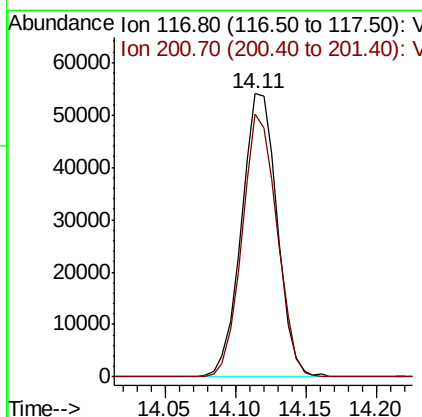
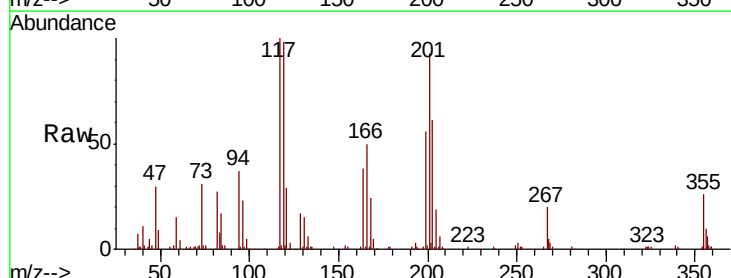
Instrument :
MSVOA_D
ClientSampleId :

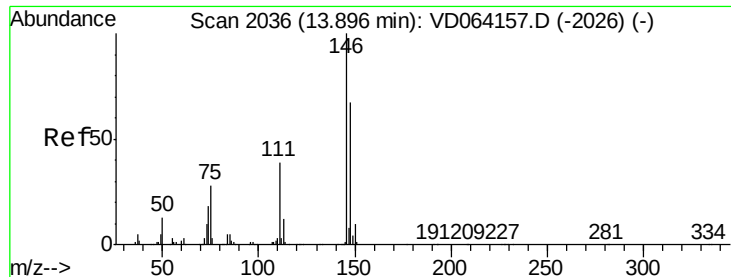
Tot Ion: 91 Resp: 464826
Ion Ratio Lower Upper
91 100
92 53.8 27.3 81.8
134 28.5 14.1 42.4



#90
Hexachloroethane
Concen: 20.306 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD064210.D
Acq: 14 Nov 2019 12:44

Tgt Ion: 117 Resp: 95773
Ion Ratio Lower Upper
117 100
201 91.0 45.8 137.4

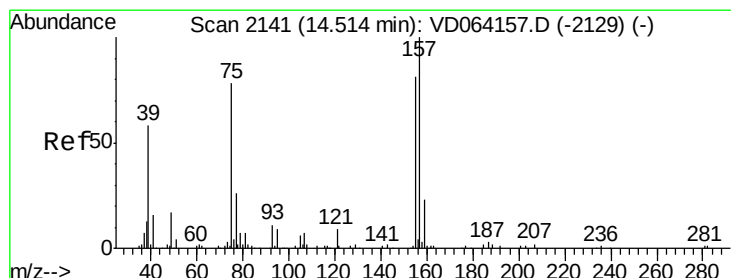
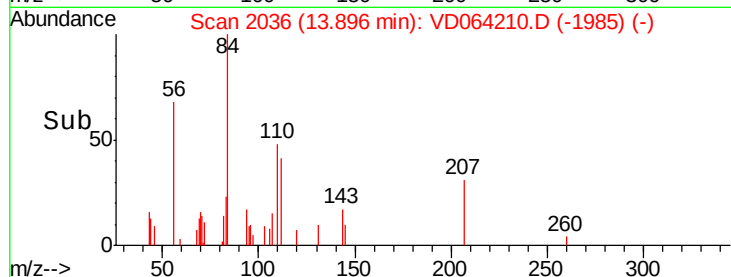
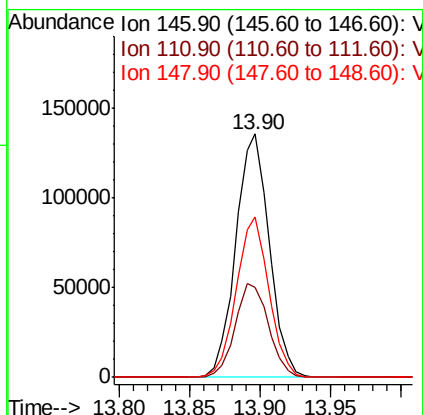
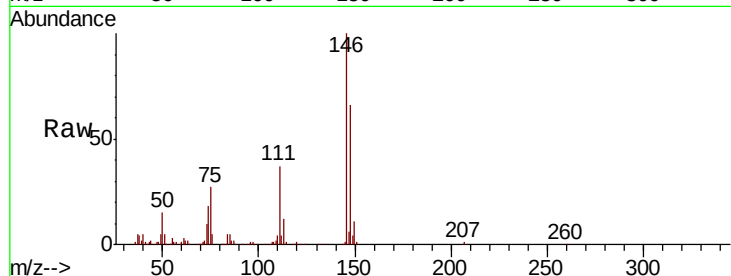




#91
 1,2-Dichlorobenzene
 Concen: 21.376 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

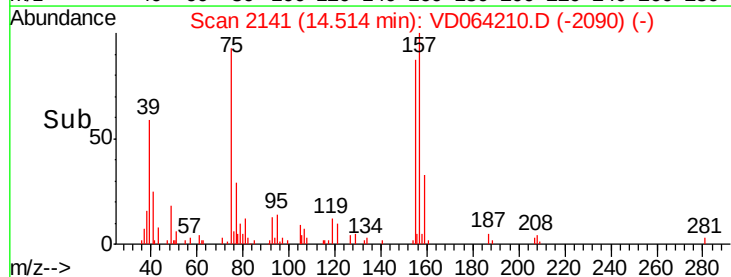
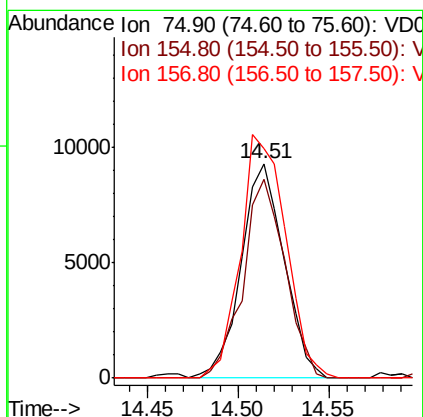
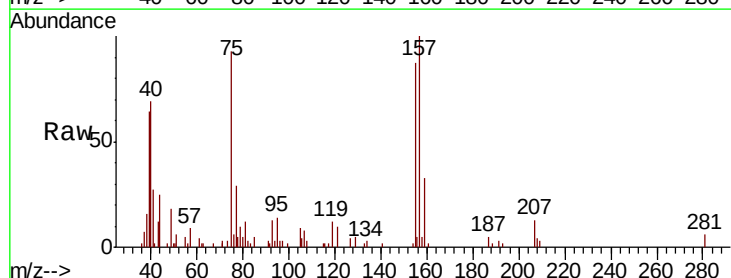
Instrument :
 MSVOA_D
 ClientSampleId :

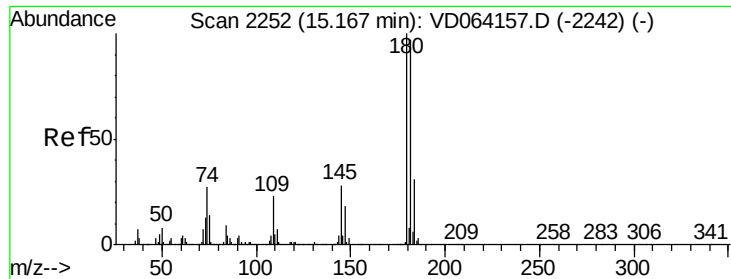
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.7	59.0
148	63.9	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.628 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.7	48.0	144.0
157	119.1	61.5	184.4

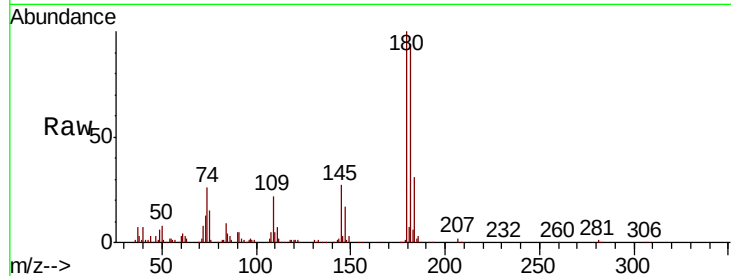




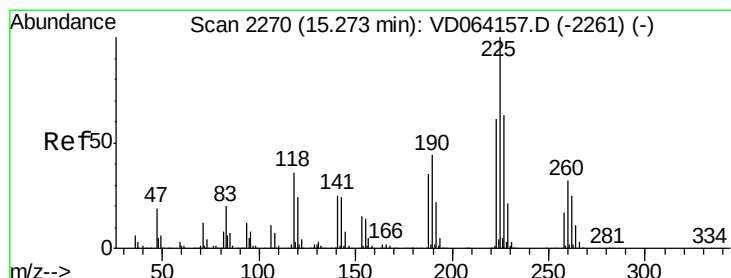
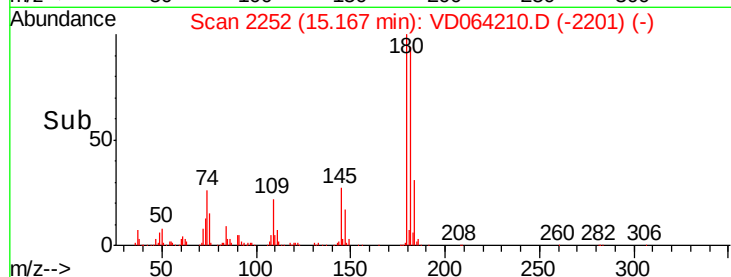
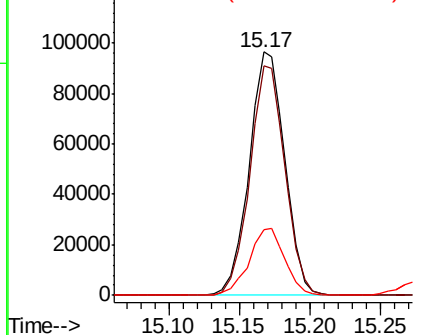
#93
 1,2,4-Trichlorobenzene
 Concen: 20.983 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 170431
 Ion Ratio Lower Upper
 180 100
 182 93.2 47.5 142.5
 145 27.6 14.2 42.6

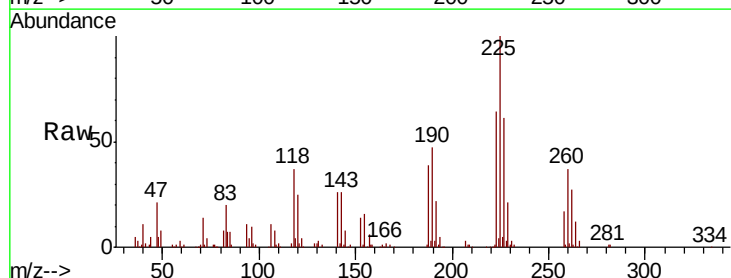


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

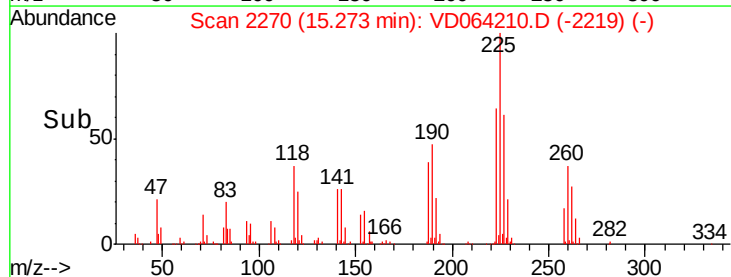
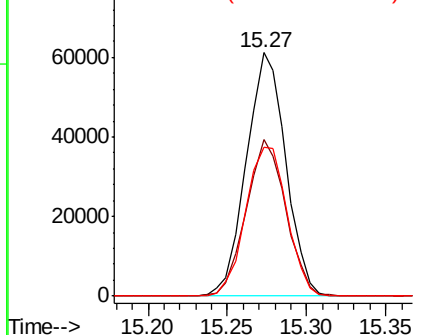


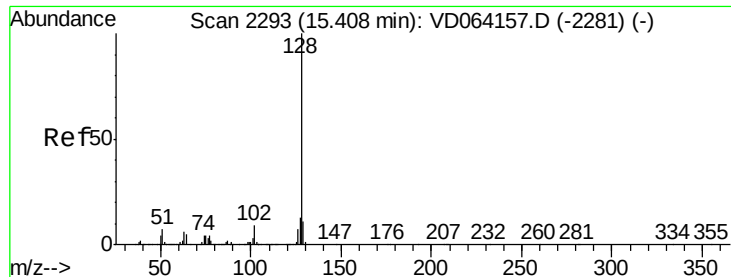
#94
 Hexachlorobutadiene
 Concen: 20.177 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD064210.D
 Acq: 14 Nov 2019 12:44

Tgt Ion:225 Resp: 105856
 Ion Ratio Lower Upper
 225 100
 223 64.8 31.1 93.3
 227 64.5 31.5 94.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.184 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

Instrument :

MSVOA_D

ClientSampleId :

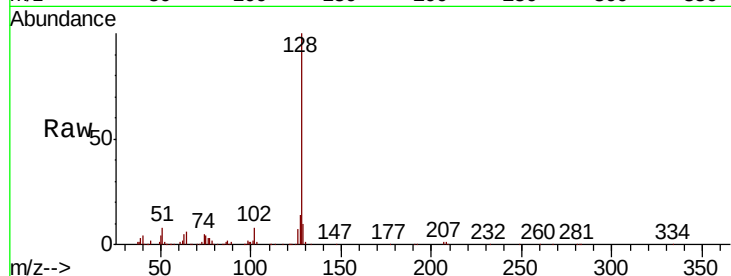
Tot Ion:128 Resp: 282062

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

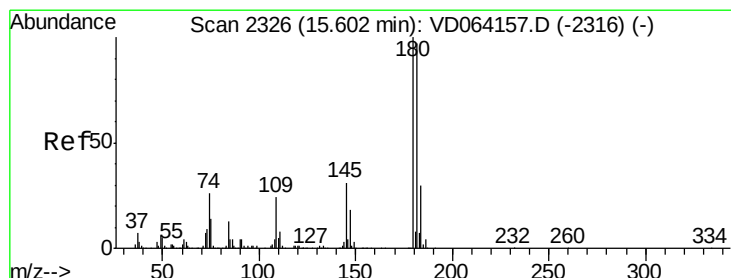
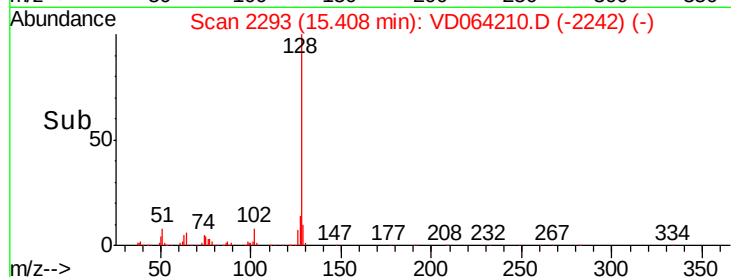
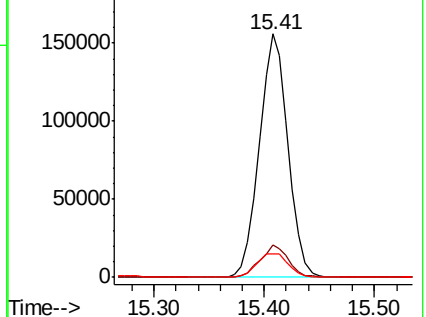
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.806 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD064210.D

Acq: 14 Nov 2019 12:44

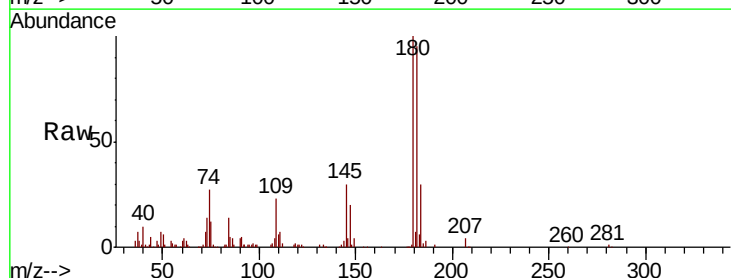
Tgt Ion:180 Resp: 143655

Ion Ratio Lower Upper

180 100

182 96.4 48.3 144.9

145 30.3 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

