

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012320\
 Data File : VD064933.D
 Acq On : 23 Jan 2020 13:17
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Jan 23 13:34:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:18:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	509654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	727472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	661675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	338245	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	674090	135.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	271.64%	
35) Dibromofluoromethane	7.92	113	641916	139.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	278.30%	
50) Toluene-d8	10.34	98	2634943	149.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.64%	
62) 4-Bromofluorobenzene	12.64	95	809297	147.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	511920	127.73	ug/l	97
3) Chloromethane	2.21	50	703246	118.17	ug/l	98
4) Vinyl Chloride	2.35	62	832580	123.10	ug/l	99
5) Bromomethane	2.74	94	566883	125.17	ug/l	98
6) Chloroethane	2.91	64	537901	120.90	ug/l	98
7) Trichlorofluoromethane	3.27	101	1266707	121.03	ug/l	100
8) Diethyl Ether	3.71	74	290258	124.84	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	596827	124.79	ug/l	99
10) Methyl Iodide	4.30	142	731247	148.29	ug/l	100
11) Tert butyl alcohol	5.26	59	183943	677.41	ug/l	100
12) 1,1-Dichloroethene	4.06	96	576282	122.82	ug/l	96
13) Acrolein	3.93	56	236884	699.46	ug/l	95
14) Allyl chloride	4.71	41	976001	133.15	ug/l	98
15) Acrylonitrile	5.43	53	673755	667.65	ug/l	99
16) Acetone	4.17	43	538930	482.91	ug/l	96
17) Carbon Disulfide	4.40	76	1895880	124.98	ug/l	100
18) Methyl Acetate	4.72	43	296759	125.80	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	1385876	136.98	ug/l	98
20) Methylene Chloride	4.96	84	624439	104.47	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	685618	130.20	ug/l	99
22) Diisopropyl ether	6.37	45	1974669	137.37	ug/l	99
23) Vinyl Acetate	6.31	43	6122917	740.77	ug/l	100
24) 1,1-Dichloroethane	6.27	63	1139462	126.46	ug/l	98
25) 2-Butanone	7.22	43	878204	649.89	ug/l	98
26) 2,2-Dichloropropane	7.21	77	1036165	127.14	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	738792	131.59	ug/l	99
28) Bromochloromethane	7.55	49	495965	141.71	ug/l	99
29) Tetrahydrofuran	7.57	42	560224	672.37	ug/l	100
30) Chloroform	7.71	83	1171444	126.82	ug/l	100
31) Cyclohexane	7.98	56	1095012	123.60	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	1092459	127.16	ug/l	99
36) 1,1-Dichloropropene	8.11	75	957338	132.15	ug/l	99
37) Ethyl Acetate	7.30	43	404908	138.19	ug/l	99
38) Carbon Tetrachloride	8.10	117	1025765	135.72	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	1199449	143.04	ug/l	98
40) Benzene	8.36	78	2747909	139.17	ug/l	99
41) Methacrylonitrile	7.57	41	565823	375.85	ug/l #	24
42) 1,2-Dichloroethane	8.43	62	771580	129.55	ug/l	98
43) Isopropyl Acetate	8.46	43	784642	140.14	ug/l	99
44) Trichloroethene	9.11	130	740621	131.03	ug/l	96
45) 1,2-Dichloropropane	9.39	63	640758	133.46	ug/l	100
46) Dibromomethane	9.48	93	346374	132.45	ug/l	99
47) Bromodichloromethane	9.67	83	918774	132.85	ug/l	98
48) Methyl methacrylate	9.46	41	369319	145.45	ug/l	98
49) 1,4-Dioxane	9.47	88	82480	2687.35	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	2036067	733.47	ug/l	100
52) Toluene	10.41	92	1803095	142.60	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	919734	143.85	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	1070309	141.27	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	465222	132.11	ug/l	97
56) Ethyl methacrylate	10.67	69	635325	154.19	ug/l	99
57) 1,3-Dichloropropane	10.95	76	823563	136.09	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	931616	667.18	ug/l	99
59) 2-Hexanone	10.99	43	1383152	719.30	ug/l	100
60) Dibromochloromethane	11.14	129	645920	137.68	ug/l	99
61) 1,2-Dibromoethane	11.25	107	468195	138.74	ug/l	98
64) Tetrachloroethene	10.88	164	635186	126.72	ug/l	98
65) Chlorobenzene	11.67	112	1850124	133.90	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	711928	137.62	ug/l	99
67) Ethyl Benzene	11.75	91	3496039	144.48	ug/l	98
68) m/p-Xylenes	11.86	106	2672088	282.84	ug/l	100
69) o-Xylene	12.18	106	1204749	145.49	ug/l	99
70) Styrene	12.20	104	2188127	149.21	ug/l	100
71) Bromoform	12.37	173	387991	135.78	ug/l #	99
73) Isopropylbenzene	12.48	105	3294981	139.04	ug/l	100
74) N-amyl acetate	12.30	43	752039	144.82	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	507122	126.49	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	709331	223.80	ug/l #	100
77) Bromobenzene	12.77	156	775854	133.40	ug/l	99
78) n-propylbenzene	12.83	91	3851037	137.47	ug/l	100
79) 2-Chlorotoluene	12.91	91	2088047	134.31	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	2688222	138.81	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	185710	138.56	ug/l	97
82) 4-Chlorotoluene	13.01	91	2219592	135.02	ug/l	100
83) tert-Butylbenzene	13.23	119	2314439	140.46	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	2754192	139.92	ug/l	100
85) sec-Butylbenzene	13.41	105	3210368	138.94	ug/l	100
86) p-Isopropyltoluene	13.53	119	3109060	142.91	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	1520431	135.19	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	1460053	131.98	ug/l	99
89) n-Butylbenzene	13.85	91	2799225	141.63	ug/l	99
90) Hexachloroethane	14.12	117	543913	128.67	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	1260613	133.78	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	81349	125.14	ug/l	96

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Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:18:14 2020
Response via : Initial Calibration

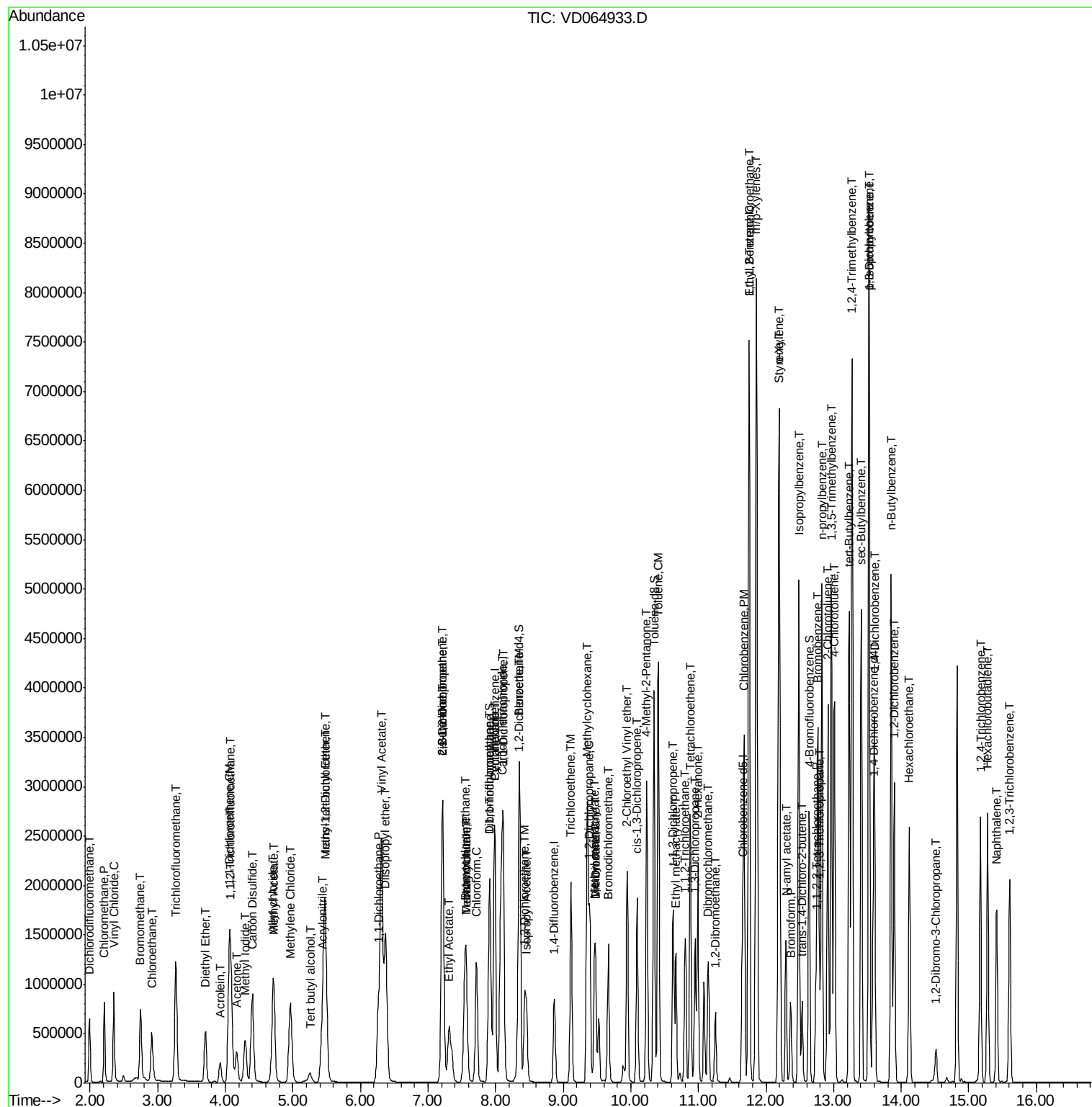
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	901163	137.89	ug/l	100
94) Hexachlorobutadiene	15.28	225	541398	130.83	ug/l	99
95) Naphthalene	15.41	128	1549756	151.28	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	765080	135.47	ug/l	98

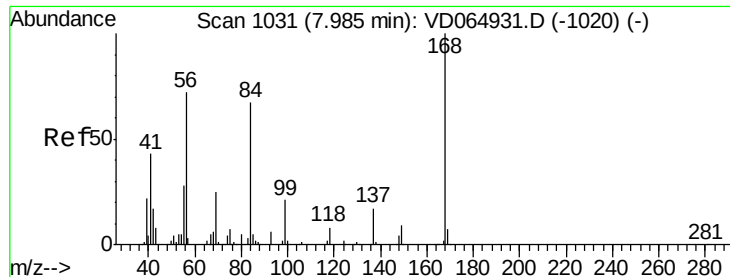
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD064933.D
Acq On : 23 Jan 2020 13:17
Operator : VA/SY
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Misc : 5.00G/5.00ml/MSVOA_D/SOIL
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Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Quant Time: Jan 23 13:34:02 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:18:14 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

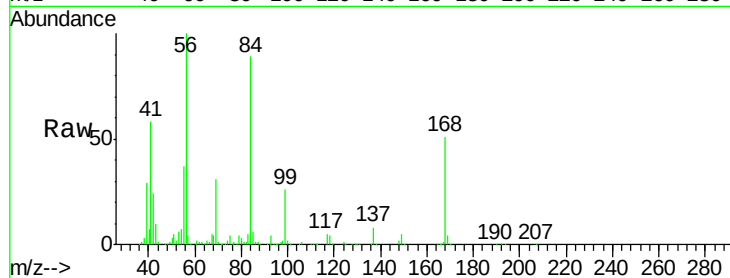
VSTDIC150

Tgt Ion:168 Resp: 509654

Ion Ratio Lower Upper

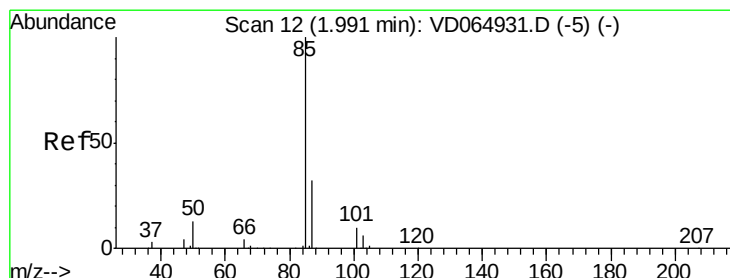
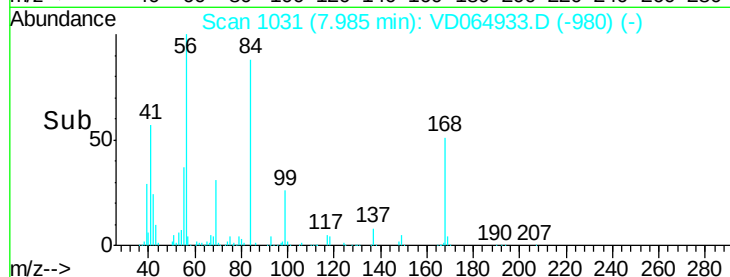
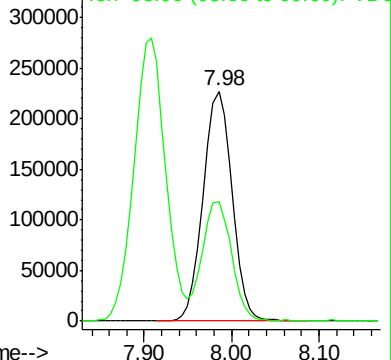
168 100

99 51.7 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 127.73 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064933.D

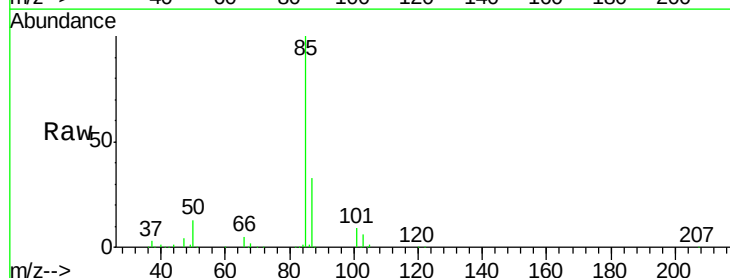
Acq: 23 Jan 2020 13:17

Tgt Ion: 85 Resp: 511920

Ion Ratio Lower Upper

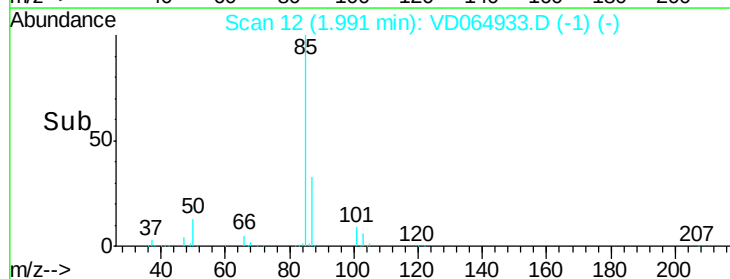
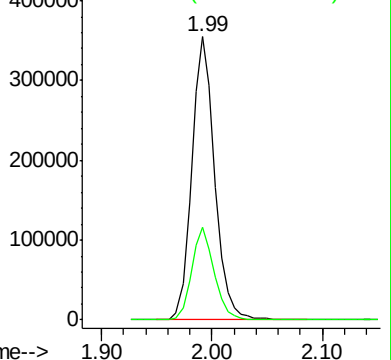
85 100

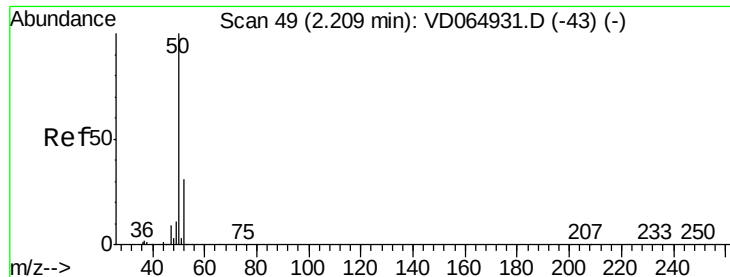
87 32.9 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 118.17 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

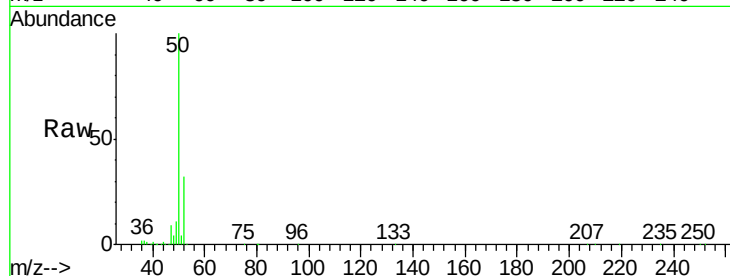
VSTDIC150

Tgt Ion: 50 Resp: 703246

Ion Ratio Lower Upper

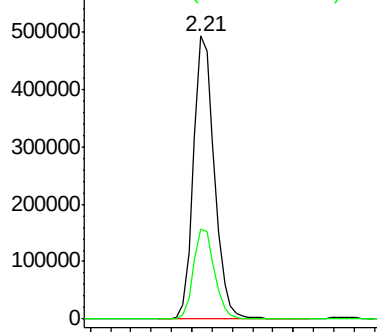
50 100

52 32.0 24.6 36.8

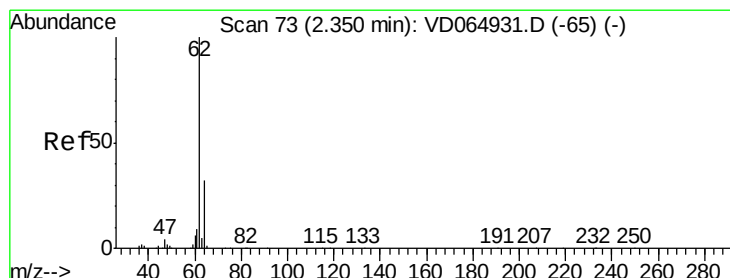
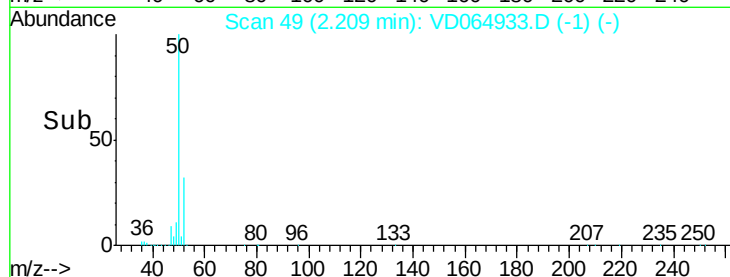


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time--> 2.10 2.20 2.30



#4

Vinyl Chloride

Concen: 123.10 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064933.D

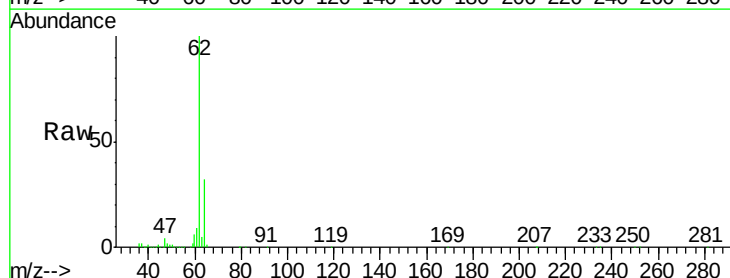
Acq: 23 Jan 2020 13:17

Tgt Ion: 62 Resp: 832580

Ion Ratio Lower Upper

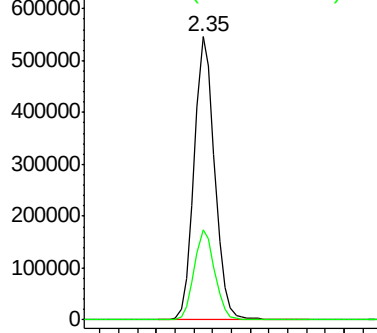
62 100

64 31.6 25.6 38.4

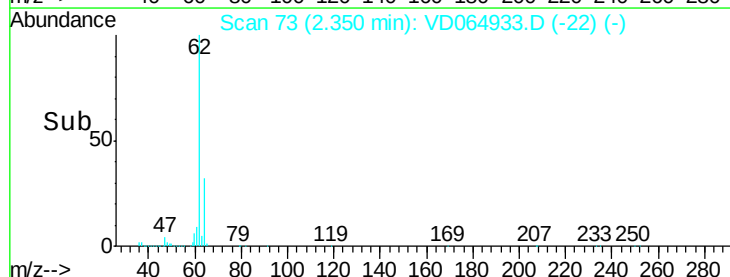


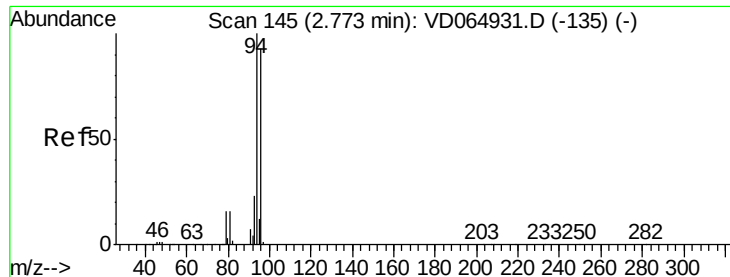
Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC



Time--> 2.30 2.40 2.50





#5

Bromomethane

Concen: 125.17 ug/l

RT: 2.74 min Scan# 140

Delta R.T. -0.03 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

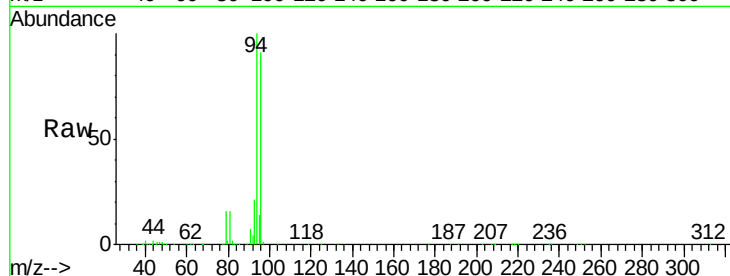
VSTDIC150

Tgt Ion: 94 Resp: 566883

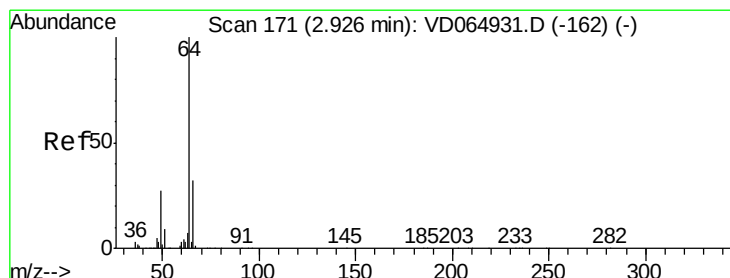
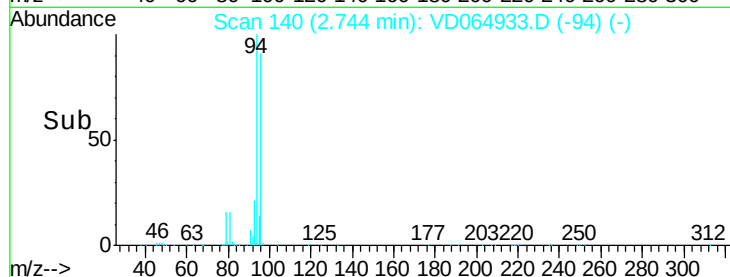
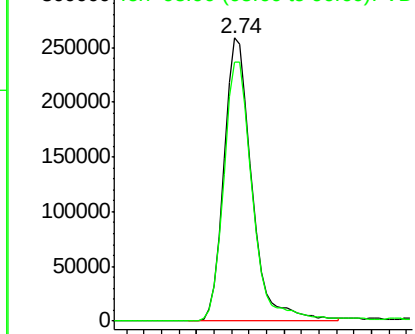
Ion Ratio Lower Upper

94 100

96 91.2 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 120.90 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD064933.D

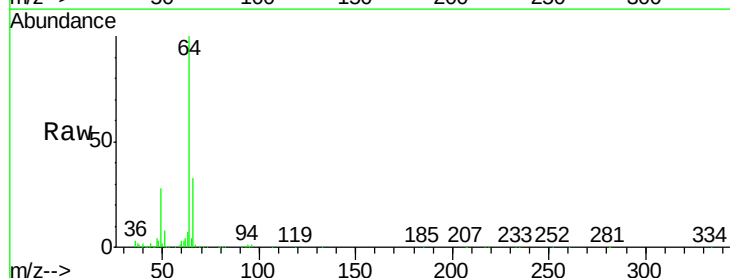
Acq: 23 Jan 2020 13:17

Tgt Ion: 64 Resp: 537901

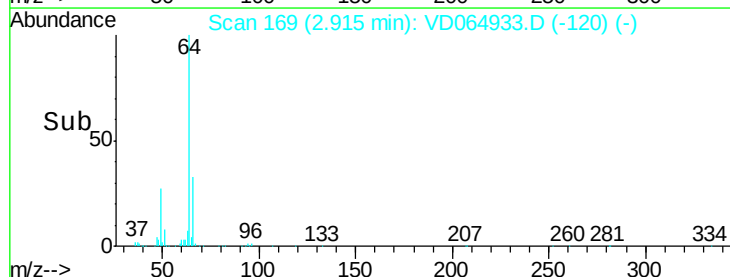
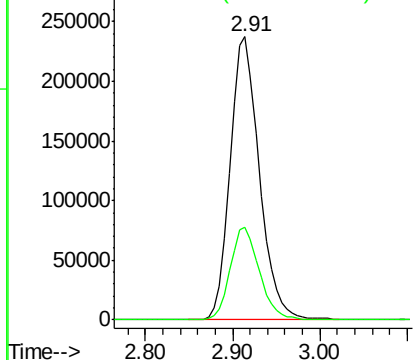
Ion Ratio Lower Upper

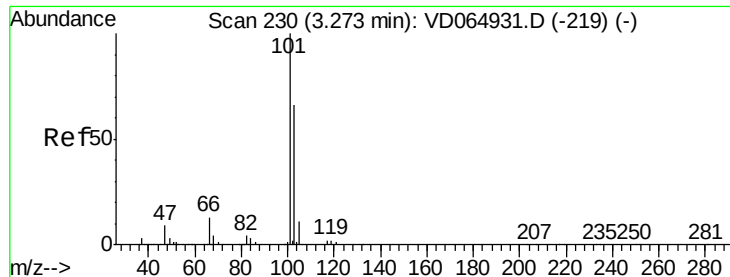
64 100

66 32.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 121.03 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

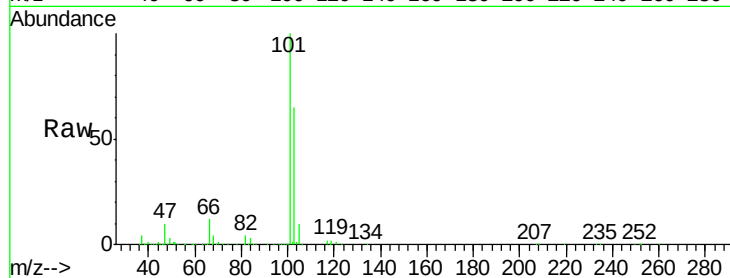
VSTDIC150

Tgt Ion:101 Resp: 1266707

Ion Ratio Lower Upper

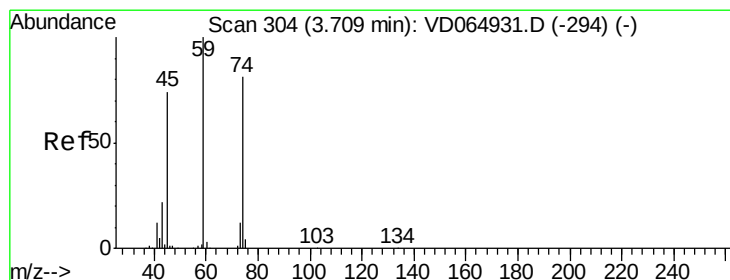
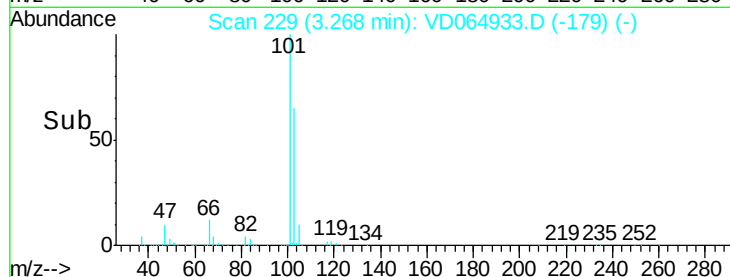
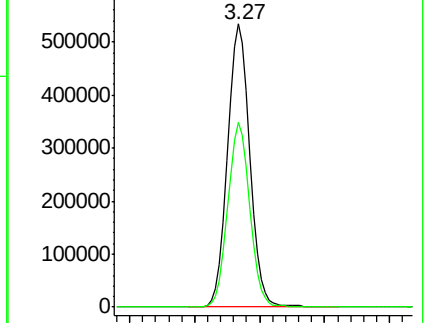
101 100

103 65.3 52.5 78.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 124.84 ug/l

RT: 3.71 min Scan# 304

Delta R.T. -0.00 min

Lab File: VD064933.D

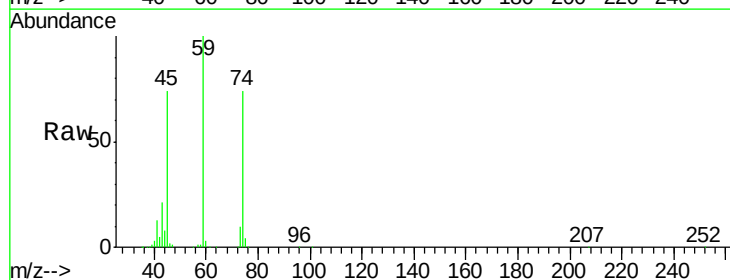
Acq: 23 Jan 2020 13:17

Tgt Ion: 74 Resp: 290258

Ion Ratio Lower Upper

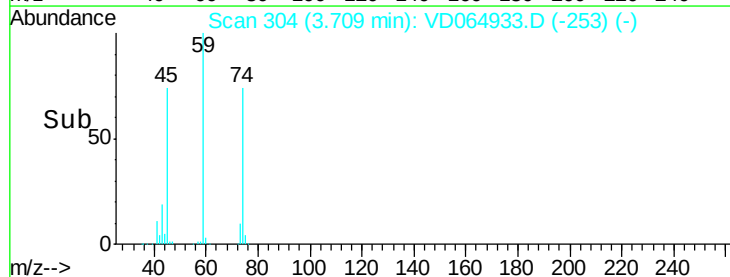
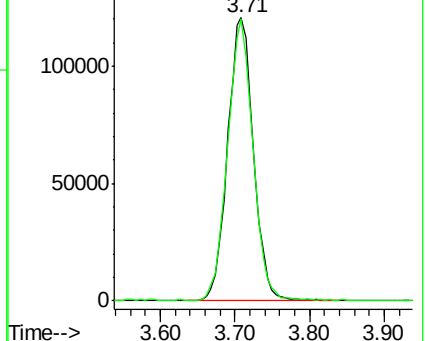
74 100

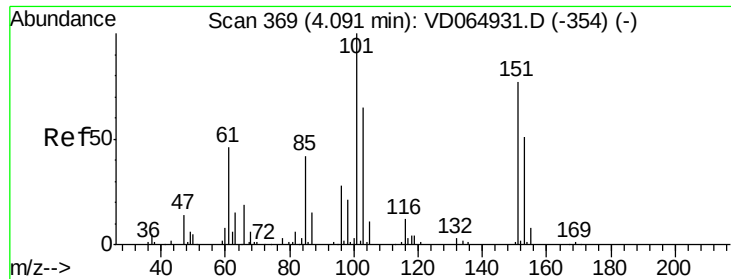
45 97.3 48.5 145.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 124.79 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

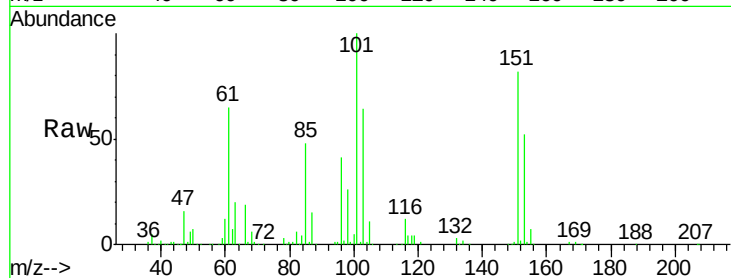
Tgt Ion:101 Resp: 596827

Ion Ratio Lower Upper

101 100

85 44.8 35.0 52.4

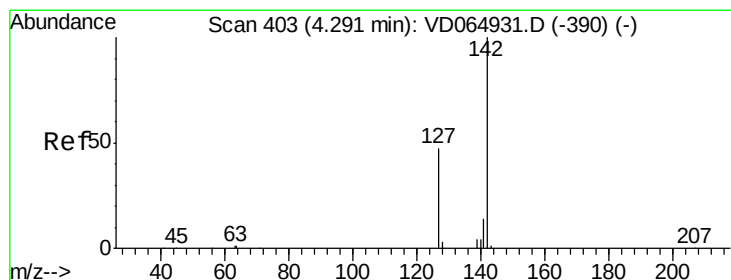
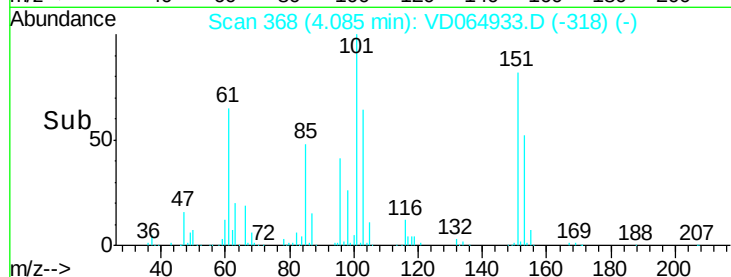
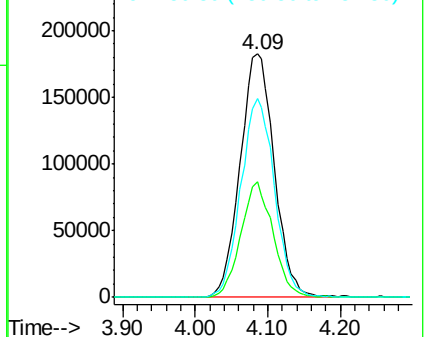
151 80.5 64.6 96.8



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: 148.29 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

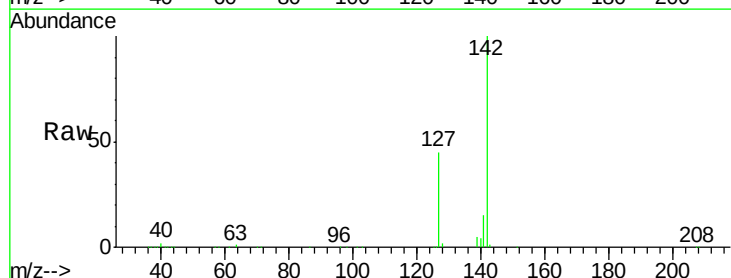
Tgt Ion:142 Resp: 731247

Ion Ratio Lower Upper

142 100

127 45.2 36.2 54.2

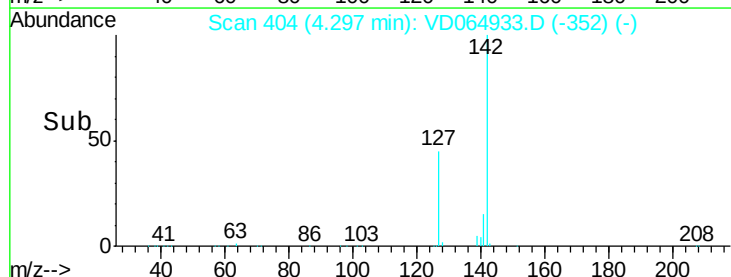
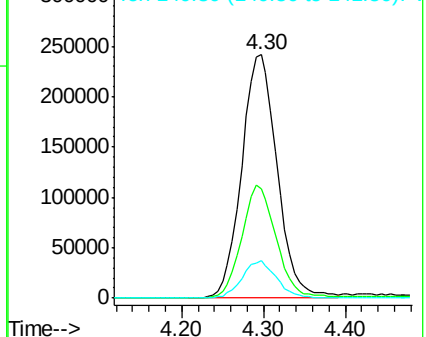
141 15.0 11.6 17.4

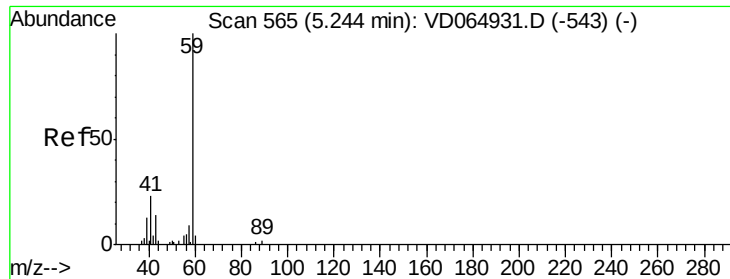


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

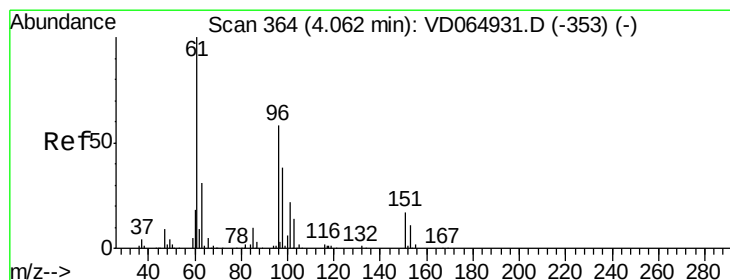
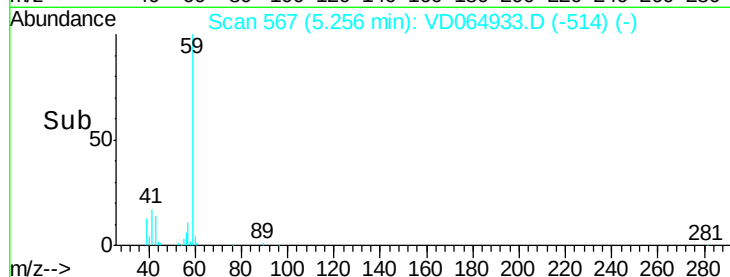
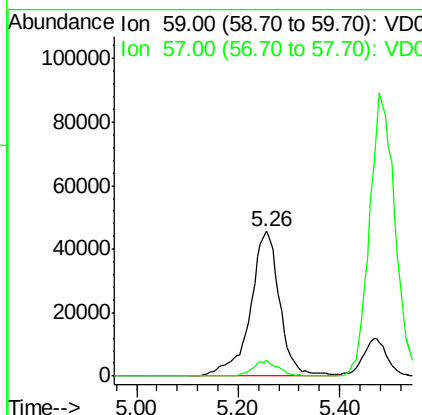
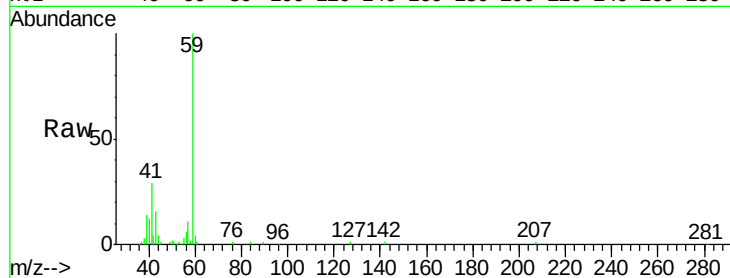




#11
Tert butyl alcohol
Concen: 677.41 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

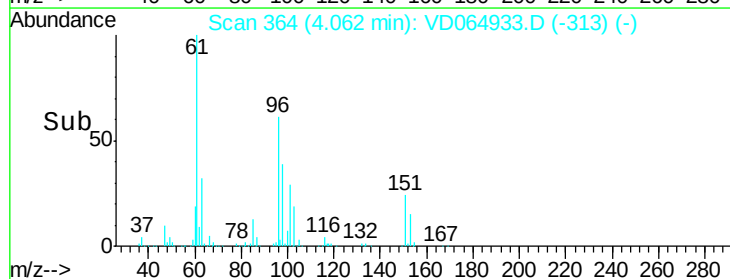
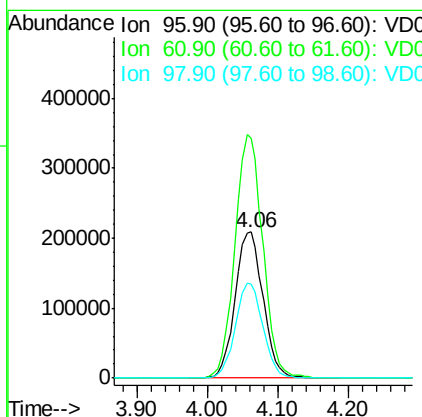
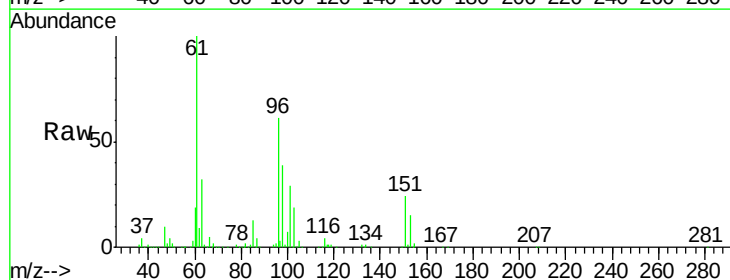
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

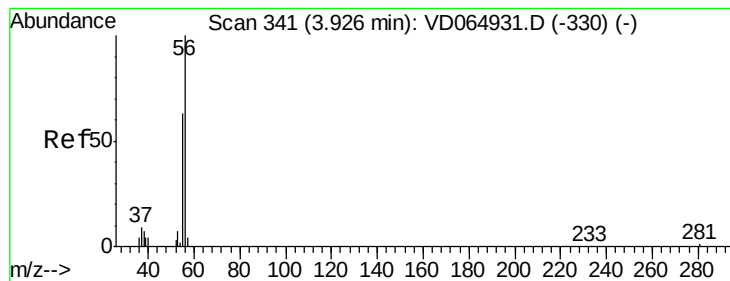
Tgt Ion: 59 Resp: 183943
Ion Ratio Lower Upper
59 100
57 9.6 7.7 11.5



#12
1,1-Dichloroethene
Concen: 122.82 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Tgt Ion: 96 Resp: 576282
Ion Ratio Lower Upper
96 100
61 164.2 137.0 205.4
98 64.8 52.1 78.1





#13

Acrolein

Concen: 699.46 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

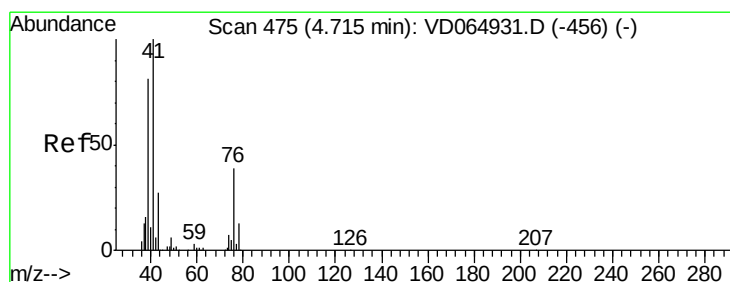
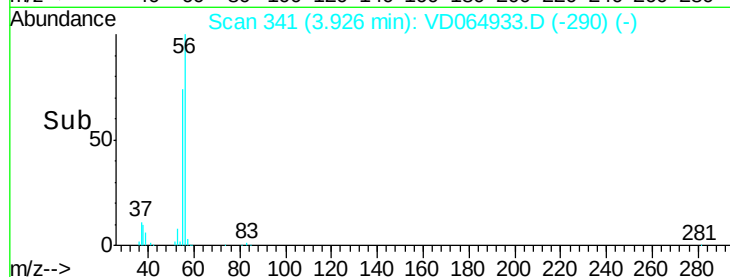
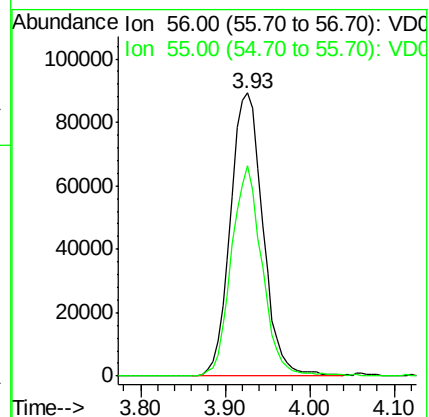
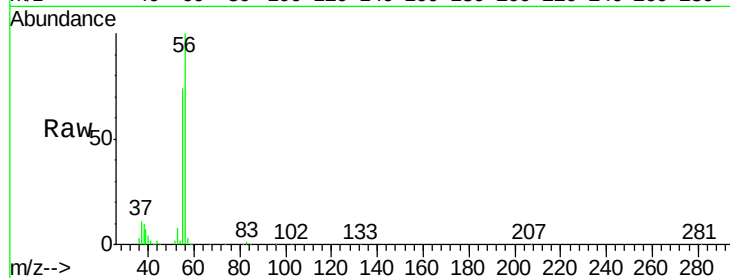
VSTDIC150

Tgt Ion: 56 Resp: 236884

Ion Ratio Lower Upper

56 100

55 70.3 59.7 89.5



#14

Allyl chloride

Concen: 133.15 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

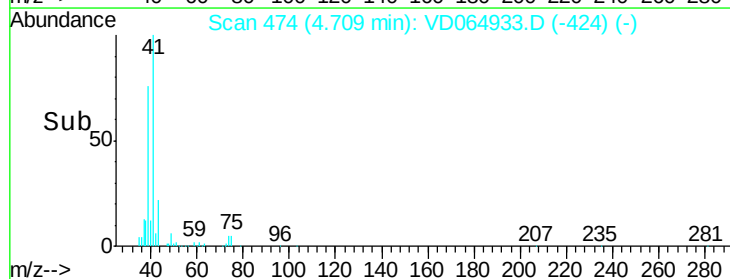
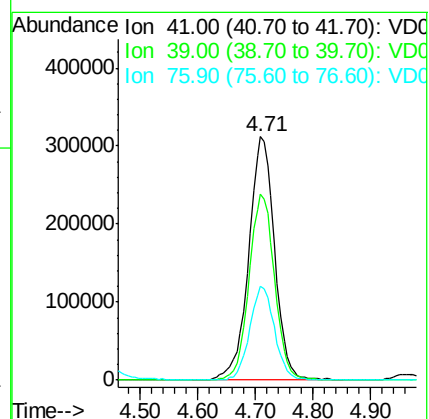
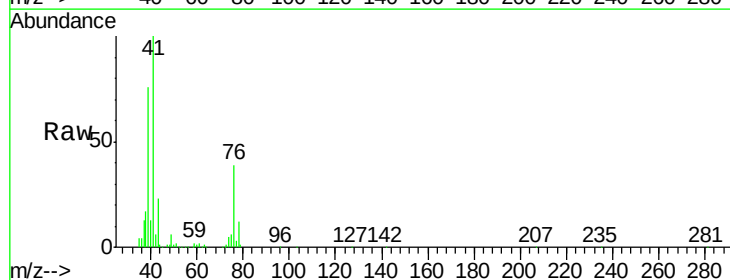
Tgt Ion: 41 Resp: 976001

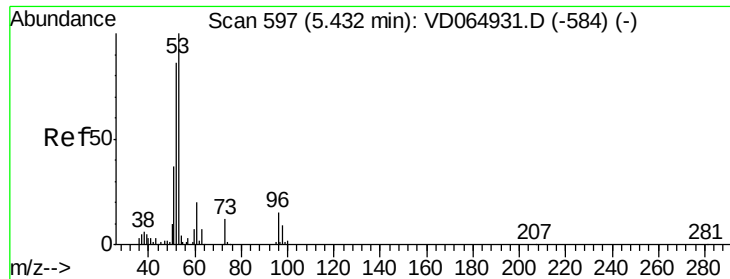
Ion Ratio Lower Upper

41 100

39 75.3 62.0 93.0

76 36.4 29.3 43.9

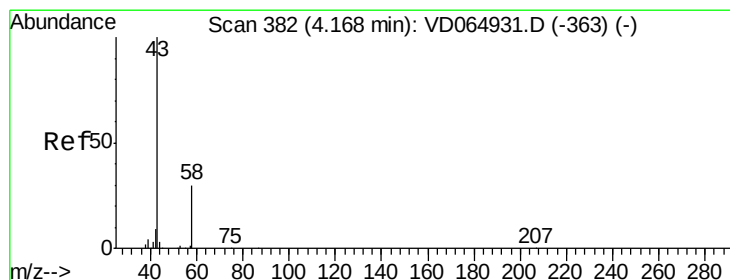
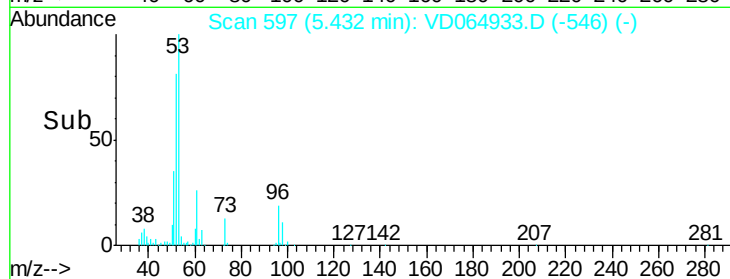
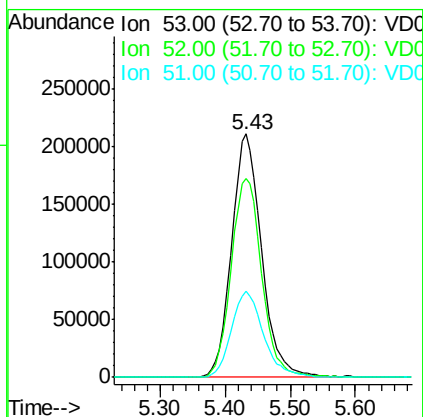
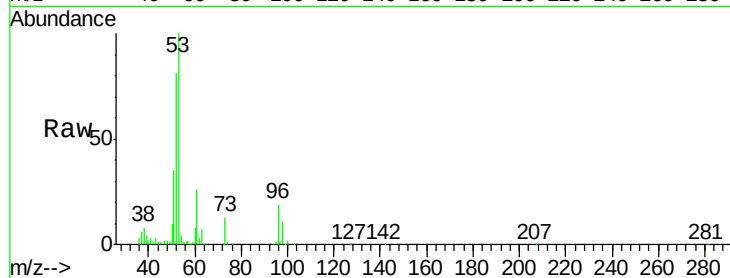




#15
 Acrylonitrile
 Concen: 667.65 ug/l
 RT: 5.43 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

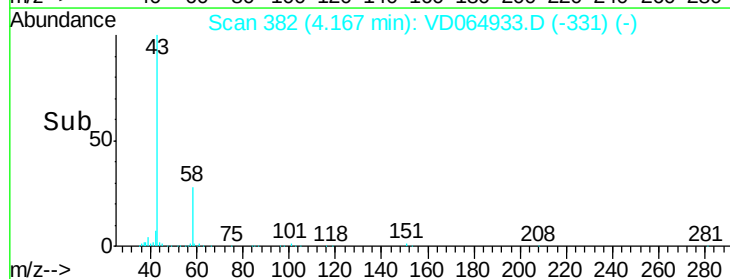
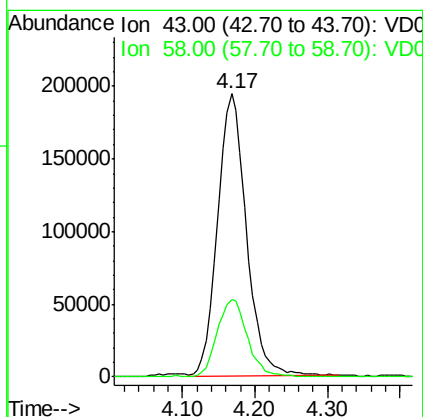
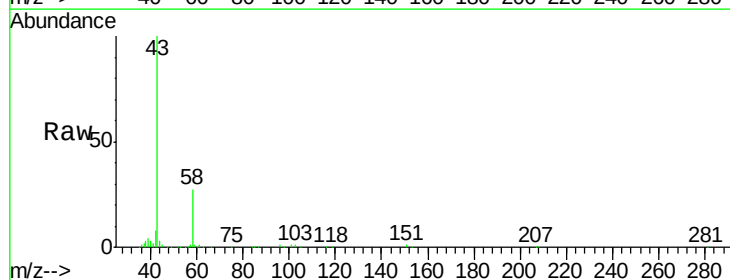
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

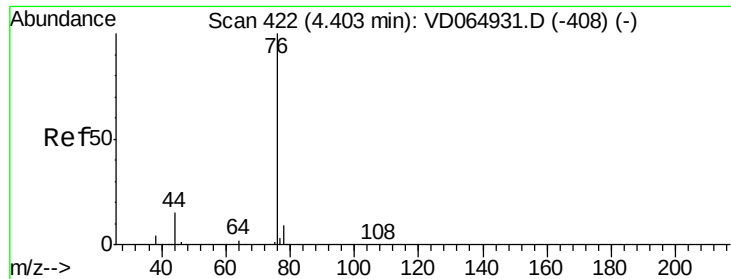
Tgt Ion: 53 Resp: 673755
 Ion Ratio Lower Upper
 53 100
 52 83.5 66.7 100.1
 51 37.7 31.1 46.7



#16
 Acetone
 Concen: 482.91 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

Tgt Ion: 43 Resp: 538930
 Ion Ratio Lower Upper
 43 100
 58 27.4 23.8 35.8





#17

Carbon Disulfide

Concen: 124.98 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

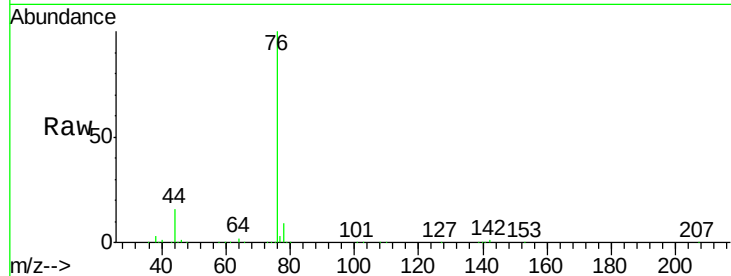
VSTDIC150

Tgt Ion: 76 Resp: 1895880

Ion Ratio Lower Upper

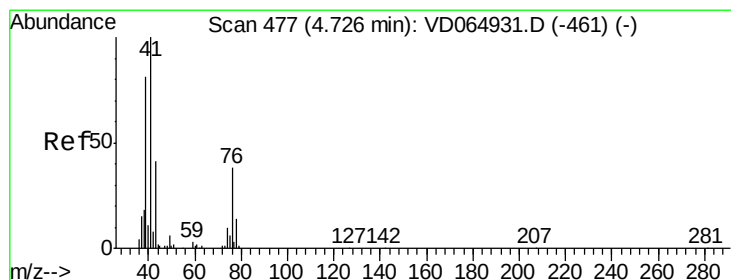
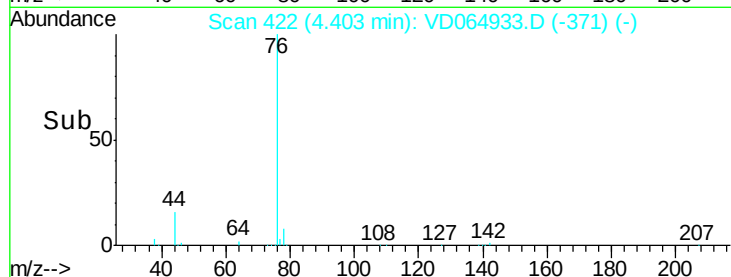
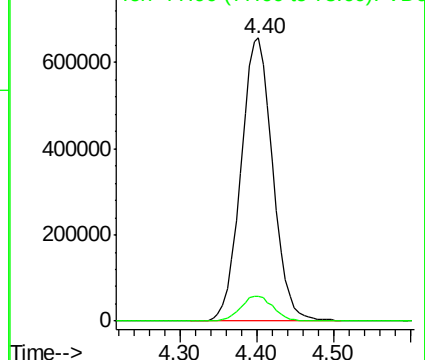
76 100

78 9.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 125.80 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064933.D

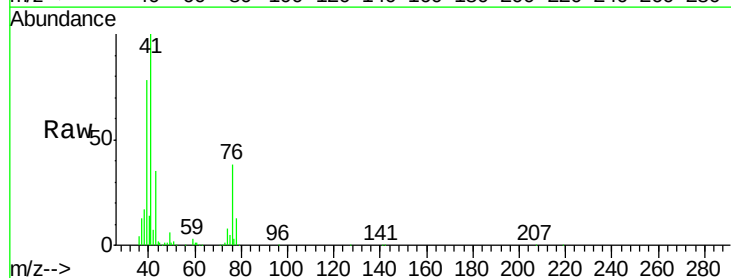
Acq: 23 Jan 2020 13:17

Tgt Ion: 43 Resp: 296759

Ion Ratio Lower Upper

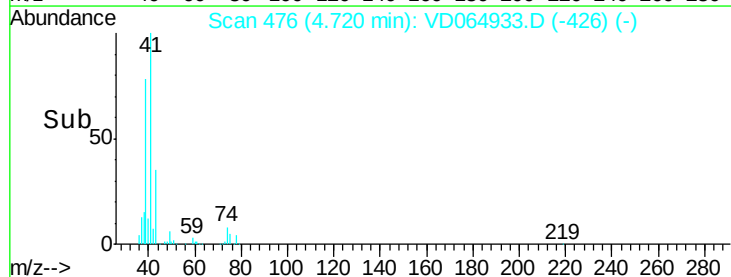
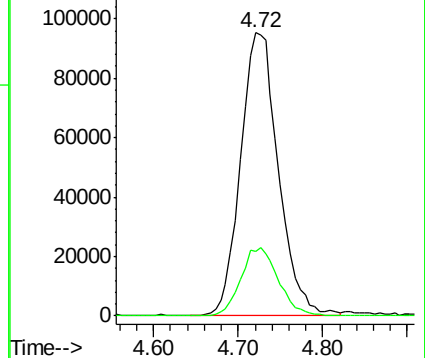
43 100

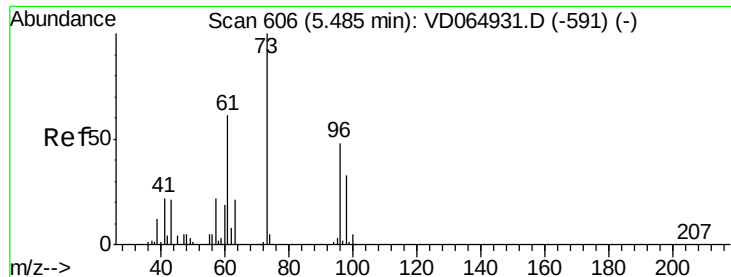
74 23.9 19.1 28.7



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: 136.98 ug/l

RT: 5.49 min Scan# 606

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

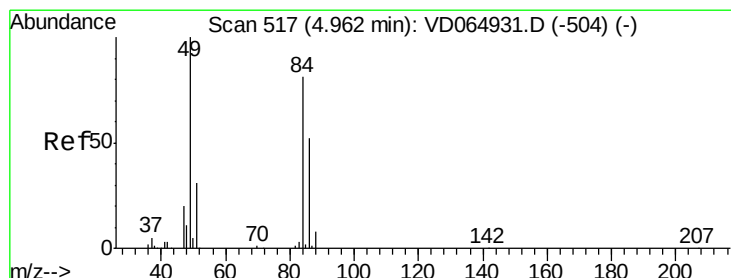
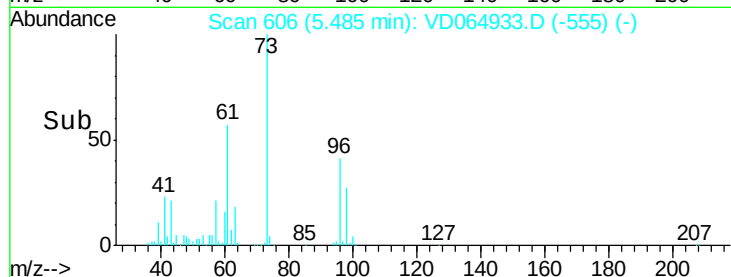
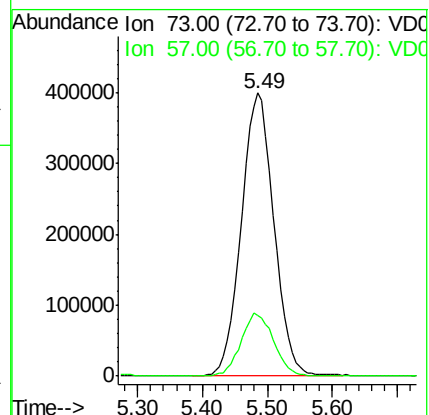
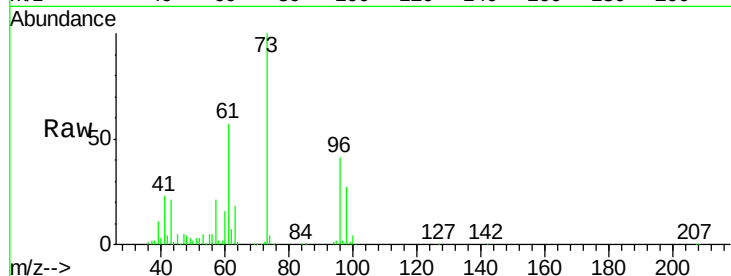
VSTDIC150

Tgt Ion: 73 Resp: 1385876

Ion Ratio Lower Upper

73 100

57 21.2 17.9 26.9



#20

Methylene Chloride

Concen: 104.47 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Tgt Ion: 84 Resp: 624439

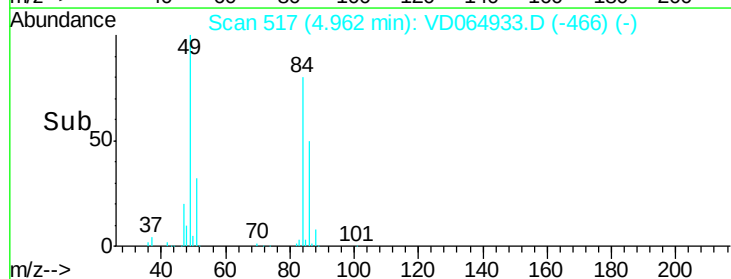
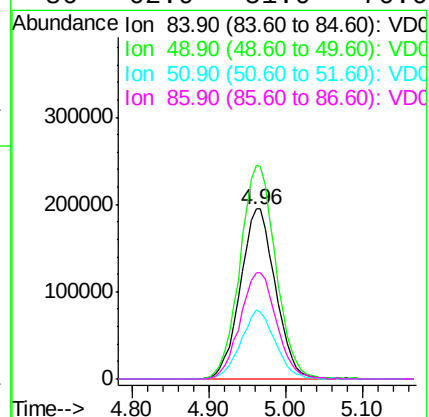
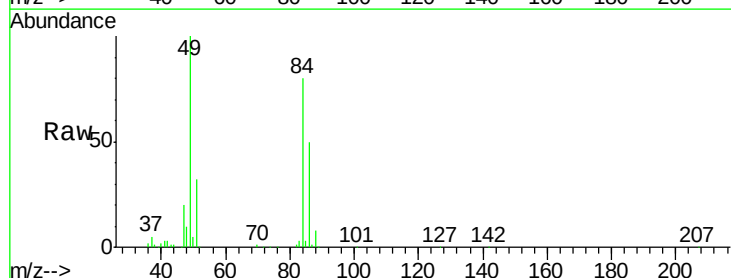
Ion Ratio Lower Upper

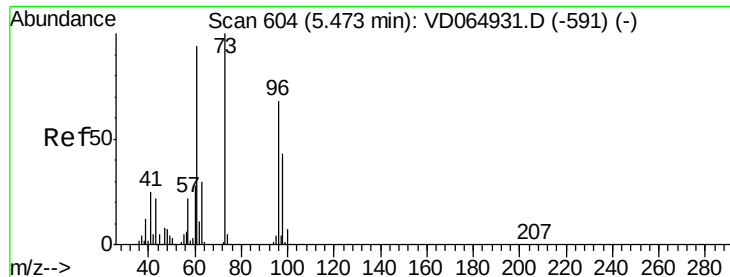
84 100

49 125.7 98.4 147.6

51 40.7 30.8 46.2

86 62.9 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 130.20 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

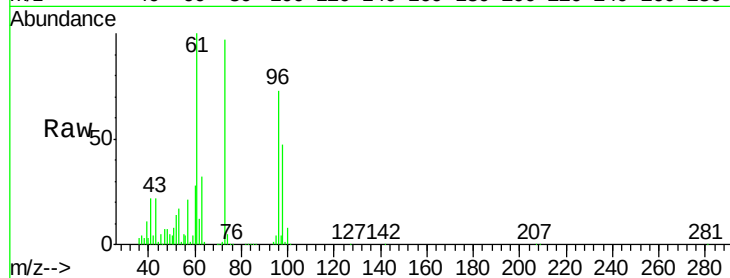
Tgt Ion: 96 Resp: 685618

Ion Ratio Lower Upper

96 100

61 137.1 110.4 165.6

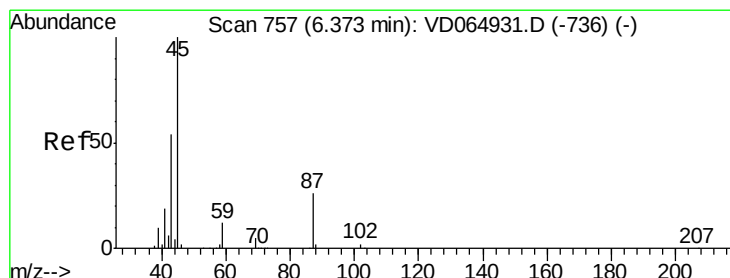
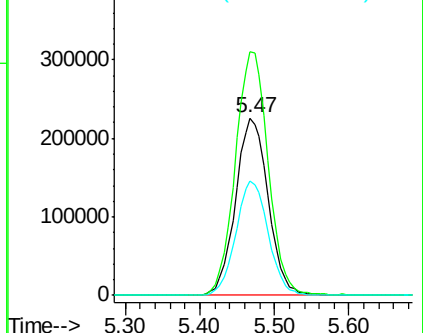
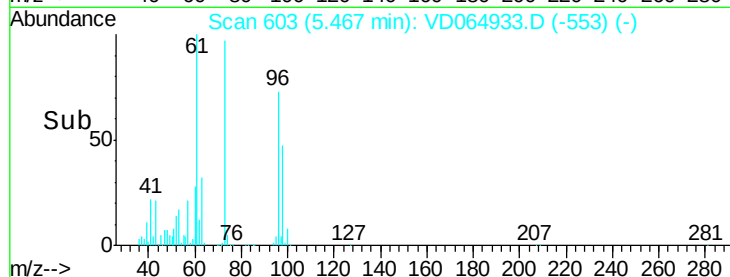
98 64.7 50.5 75.7



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: 137.37 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Tgt Ion: 45 Resp: 1974669

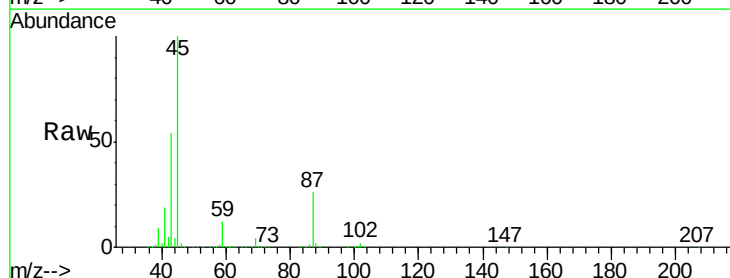
Ion Ratio Lower Upper

45 100

43 54.1 43.1 64.7

87 26.0 21.4 32.2

59 11.6 9.5 14.3

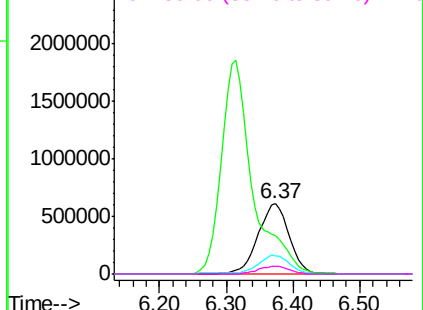
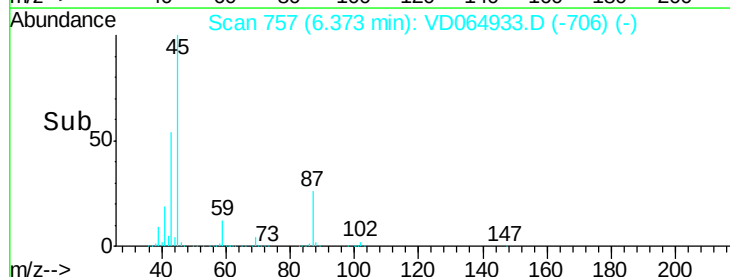


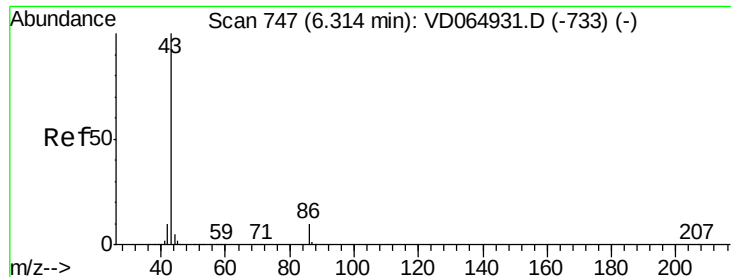
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 740.77 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

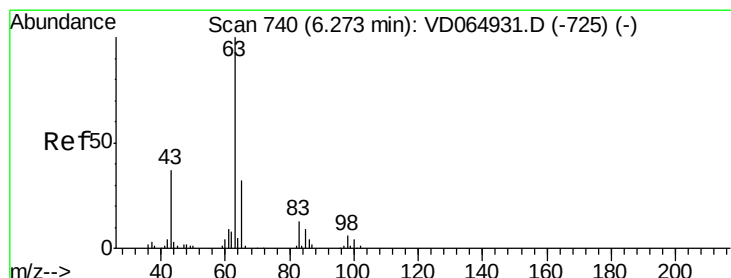
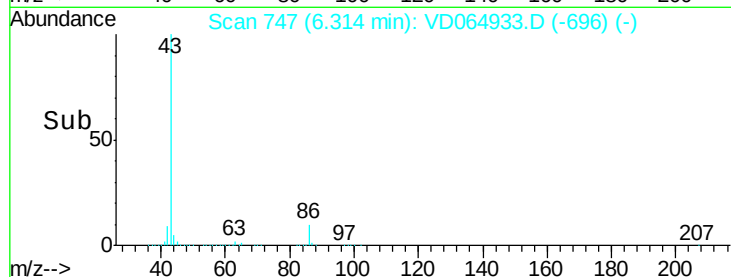
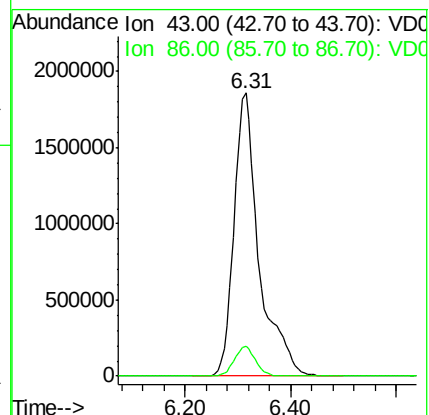
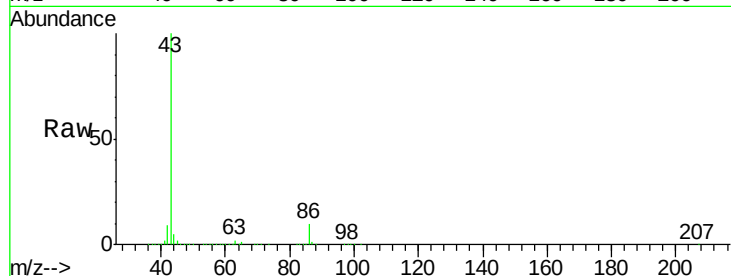
VSTDIC150

Tgt Ion: 43 Resp: 6122917

Ion Ratio Lower Upper

43 100

86 10.4 8.3 12.5



#24

1,1-Dichloroethane

Concen: 126.46 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

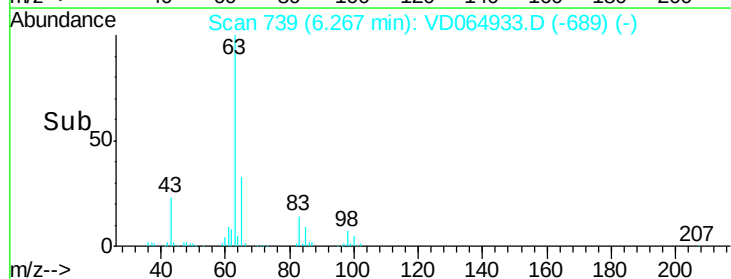
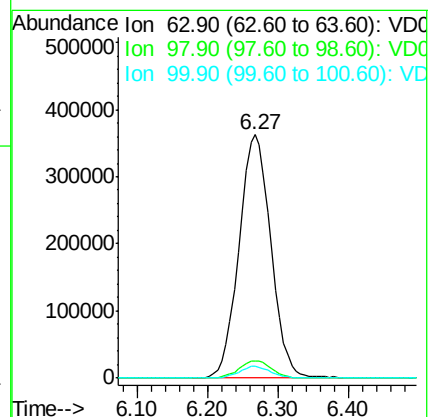
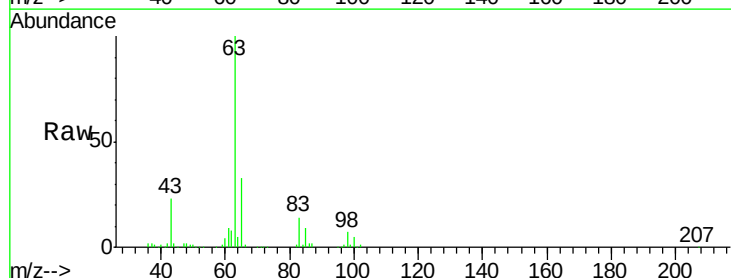
Tgt Ion: 63 Resp: 1139462

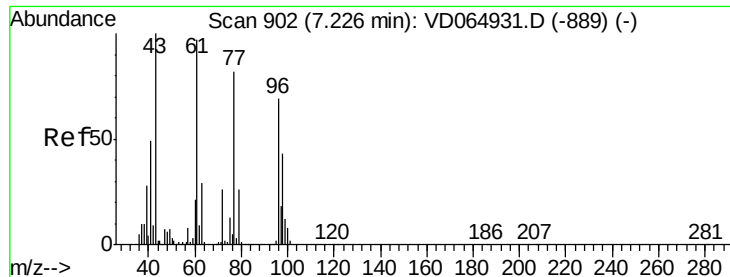
Ion Ratio Lower Upper

63 100

98 6.9 3.1 9.3

100 4.8 2.3 6.8





#25

2-Butanone

Concen: 649.89 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

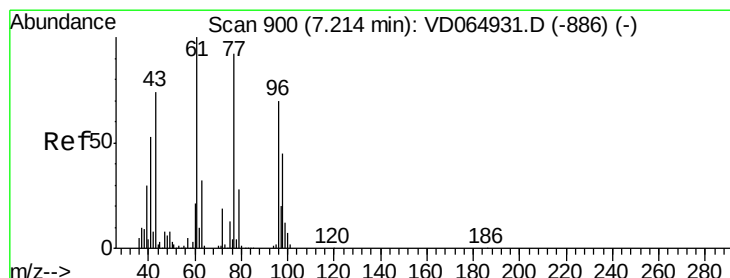
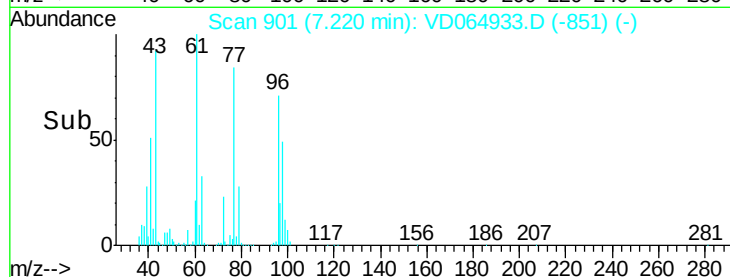
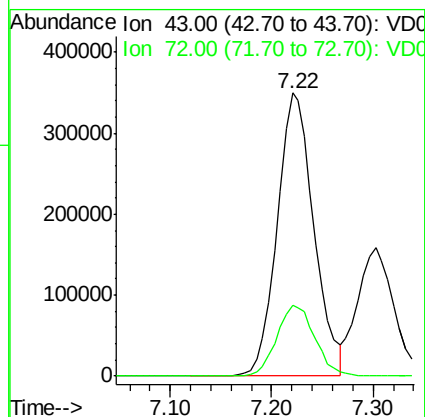
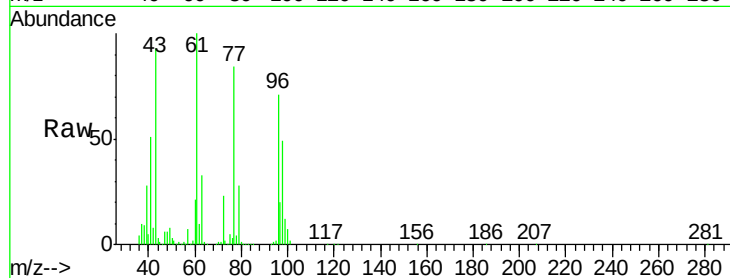
VSTDIC150

Tgt Ion: 43 Resp: 878204

Ion Ratio Lower Upper

43 100

72 24.9 20.6 31.0



#26

2,2-Dichloropropane

Concen: 127.14 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064933.D

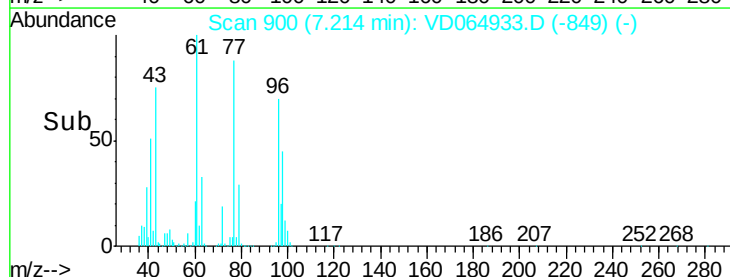
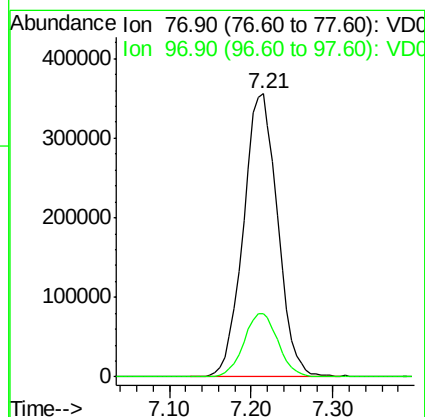
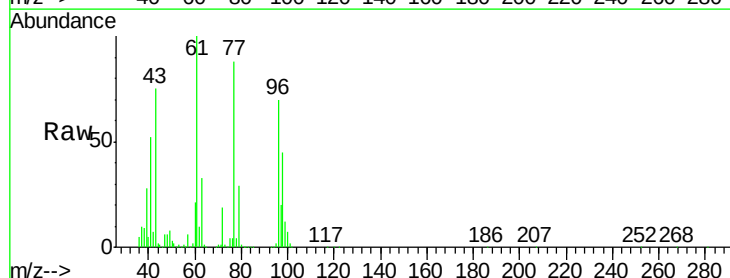
Acq: 23 Jan 2020 13:17

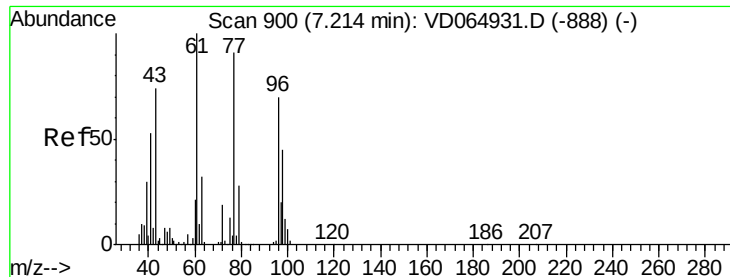
Tgt Ion: 77 Resp: 1036165

Ion Ratio Lower Upper

77 100

97 22.4 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 131.59 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

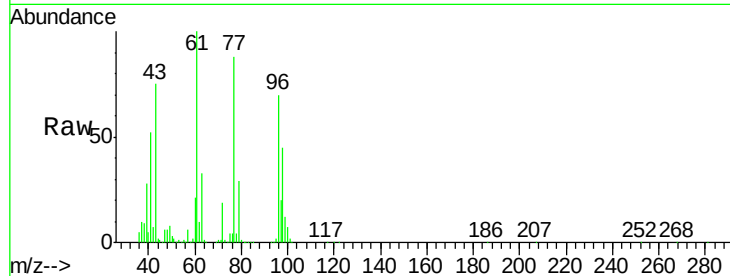
Tgt Ion: 96 Resp: 738792

Ion Ratio Lower Upper

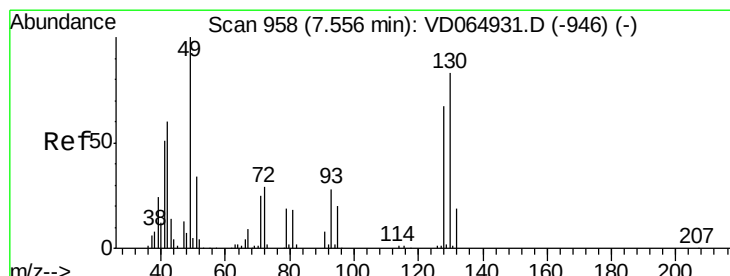
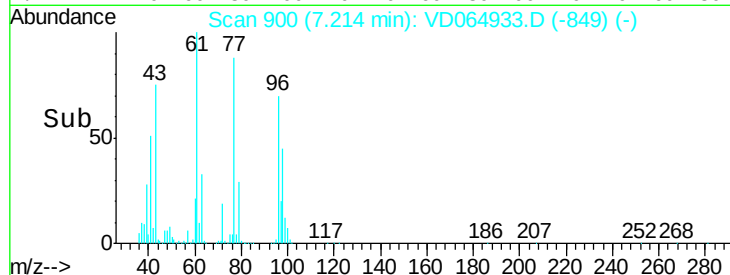
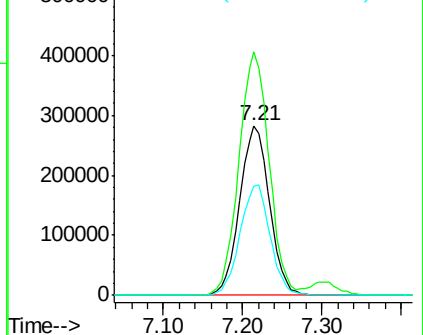
96 100

61 145.4 0.0 292.8

98 65.7 0.0 130.0



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



#28

Bromochloromethane

Concen: 141.71 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.01 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

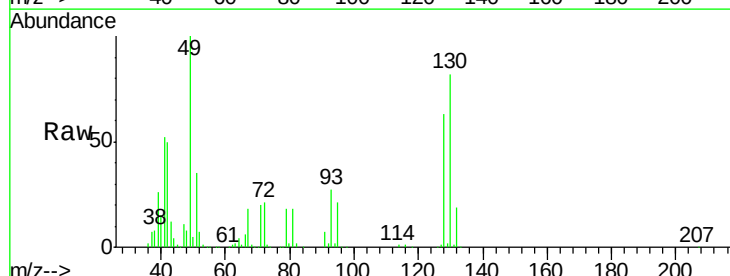
Tgt Ion: 49 Resp: 495965

Ion Ratio Lower Upper

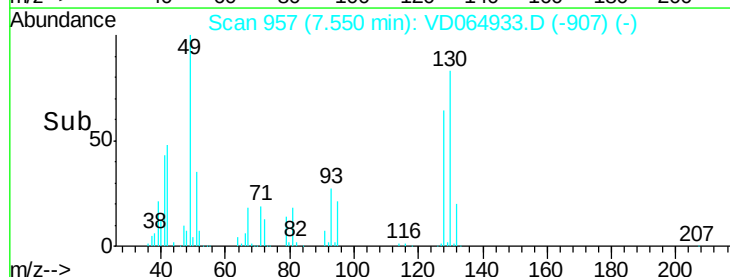
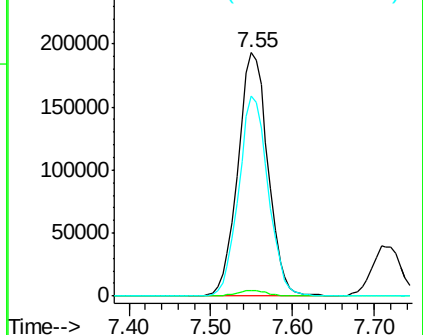
49 100

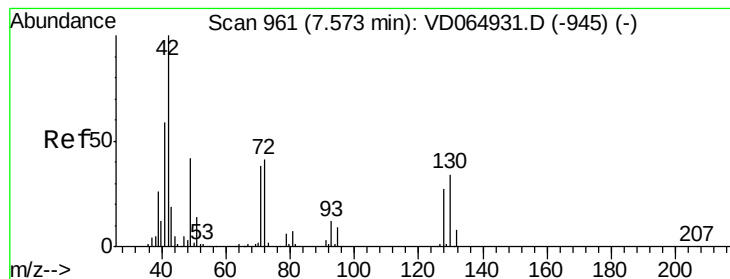
129 2.2 0.0 4.4

130 80.7 63.8 95.8



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





#29

Tetrahydrofuran

Concen: 672.37 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

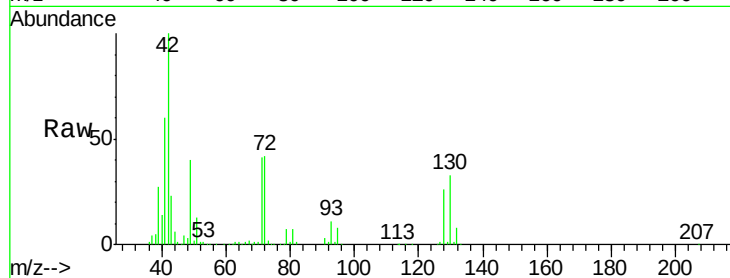
Tgt Ion: 42 Resp: 560224

Ion Ratio Lower Upper

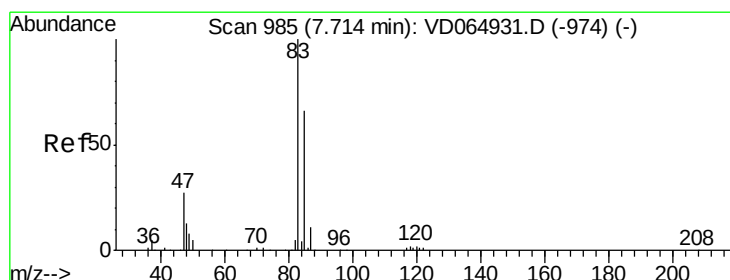
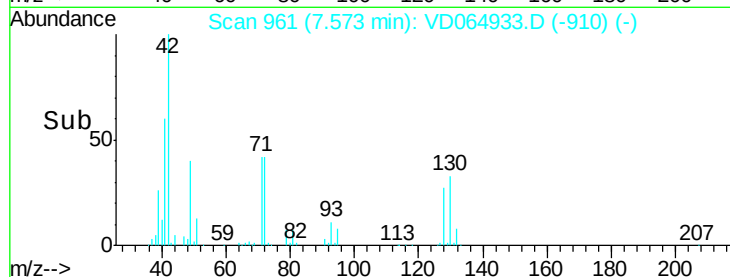
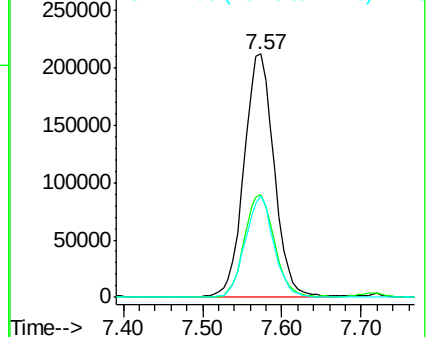
42 100

72 42.6 34.0 51.0

71 39.8 31.5 47.3



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: 126.82 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD064933.D

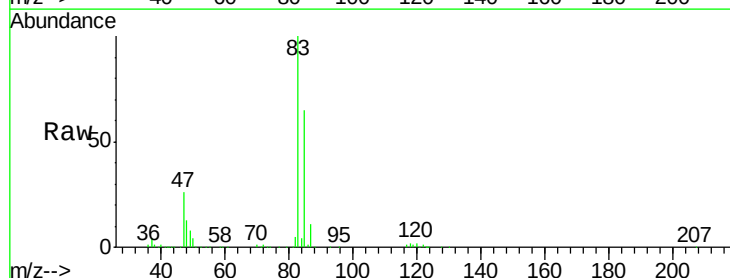
Acq: 23 Jan 2020 13:17

Tgt Ion: 83 Resp: 1171444

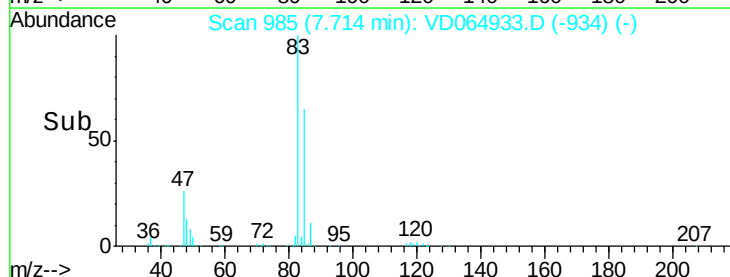
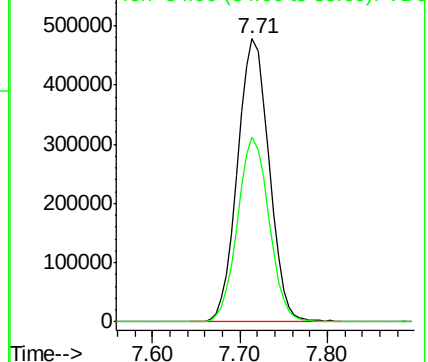
Ion Ratio Lower Upper

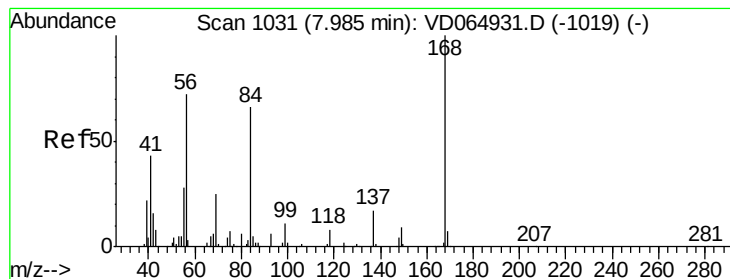
83 100

85 65.2 52.4 78.6



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





#31

Cyclohexane

Concen: 123.60 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

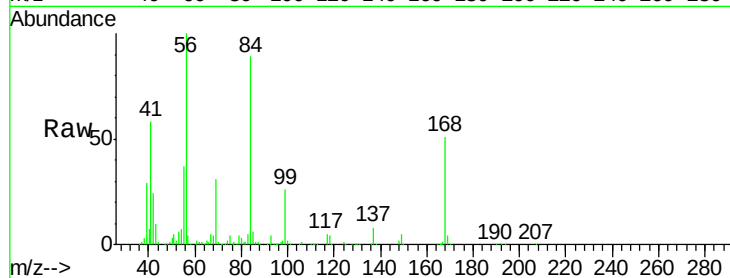
Tgt Ion: 56 Resp: 1095012

Ion Ratio Lower Upper

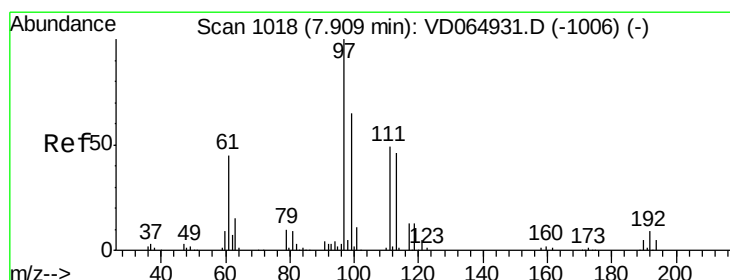
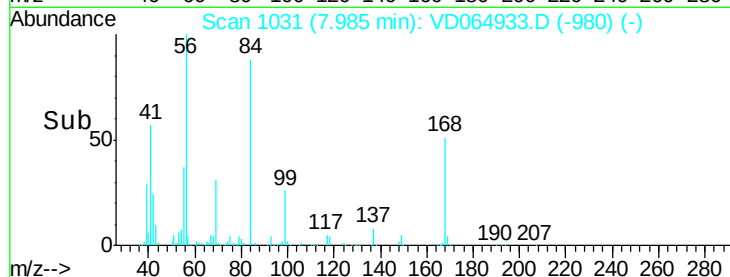
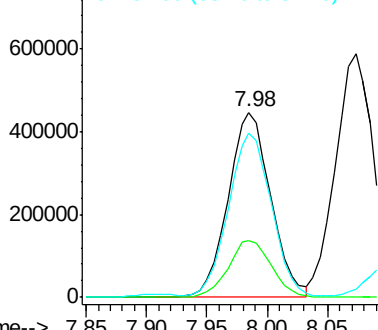
56 100

69 30.9 27.9 41.9

84 87.0 72.8 109.2



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: 127.16 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

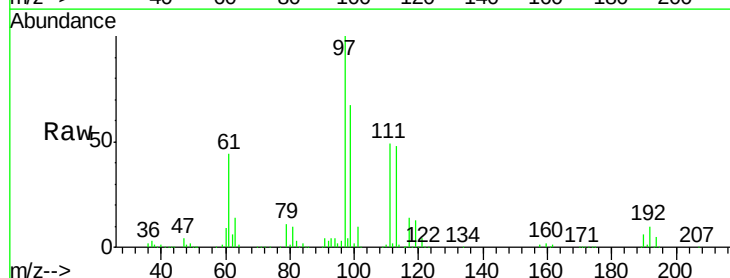
Tgt Ion: 97 Resp: 1092459

Ion Ratio Lower Upper

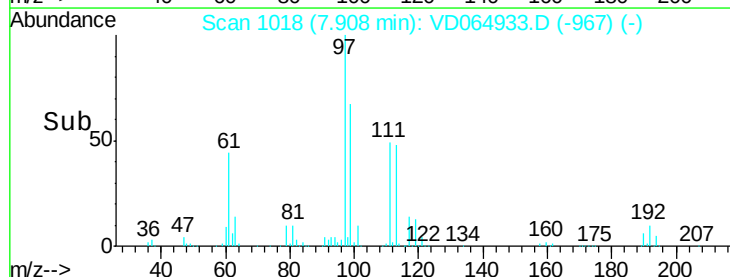
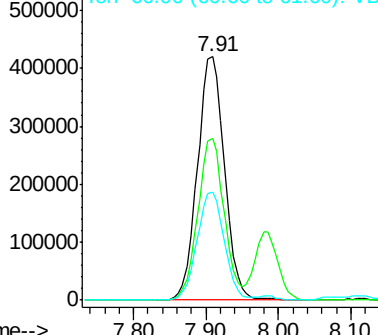
97 100

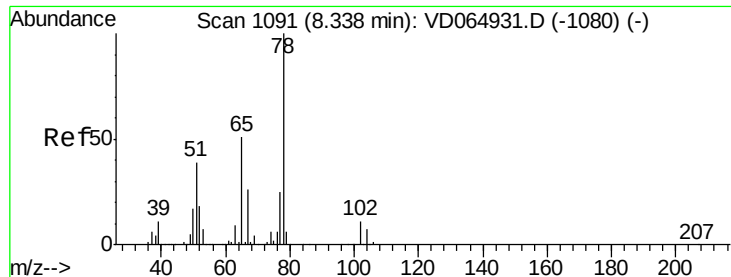
99 64.6 50.6 76.0

61 44.4 35.7 53.5



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

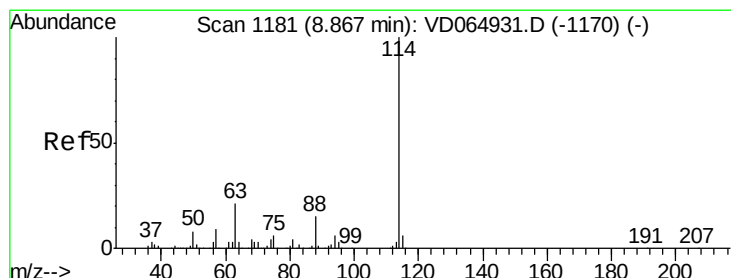
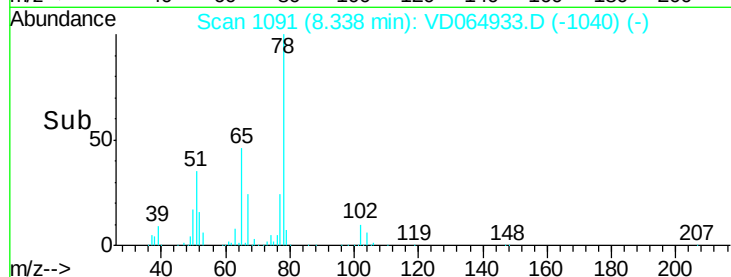
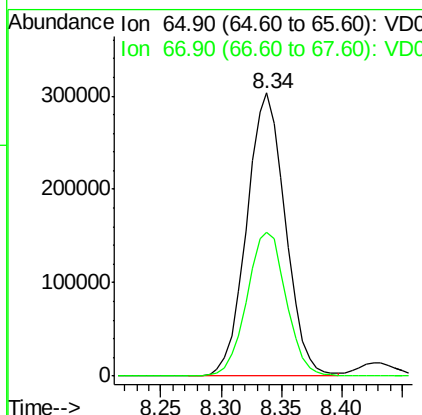
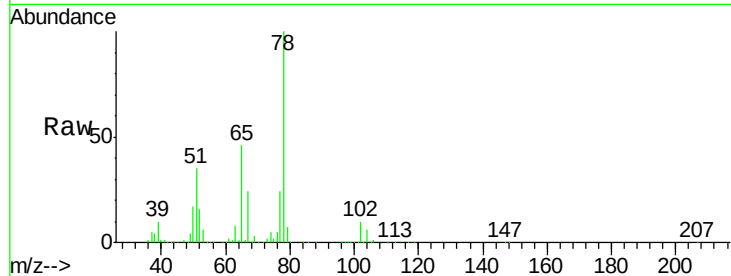




#33
 1,2-Dichloroethane-d4
 Concen: 135.82 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

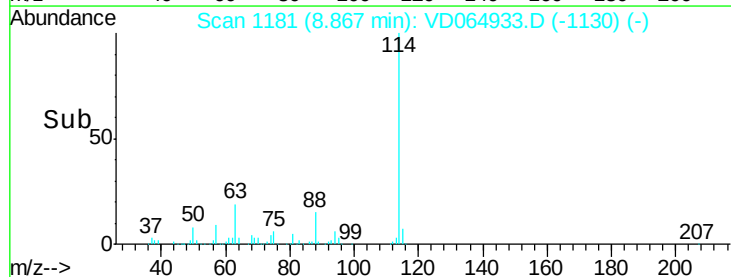
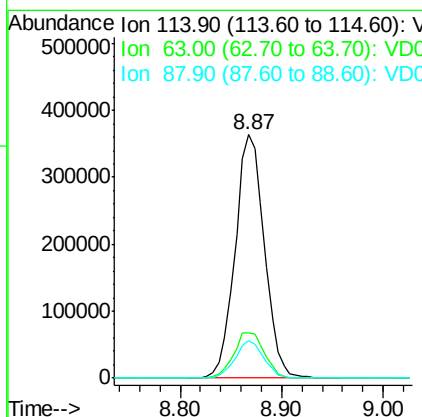
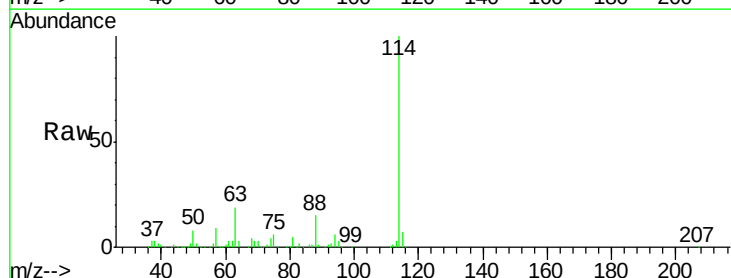
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

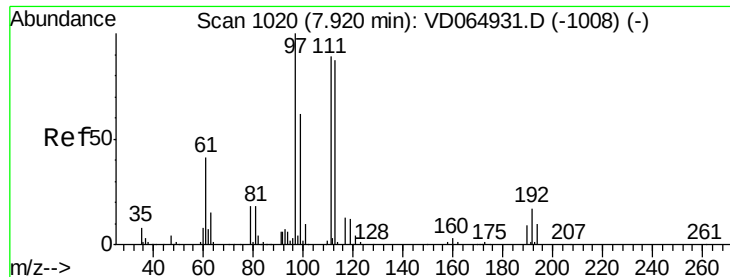
Tgt Ion: 65 Resp: 674090
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

Tgt Ion: 114 Resp: 727472
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 42.0
 88 15.4 0.0 29.4

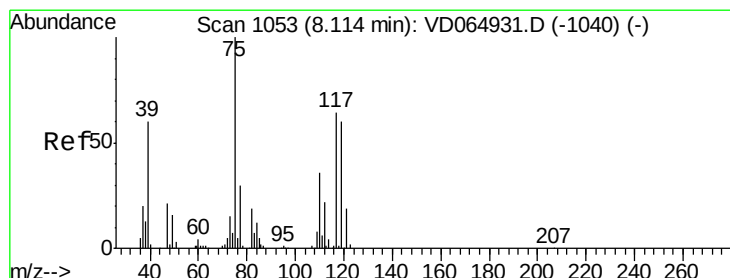
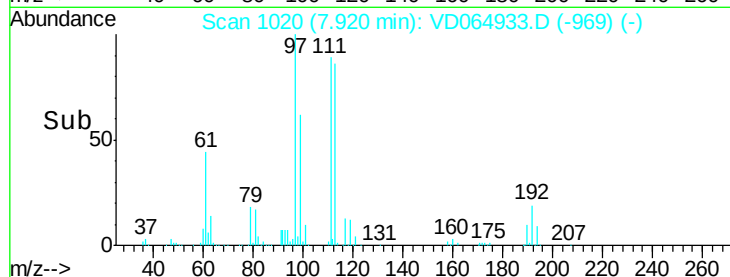
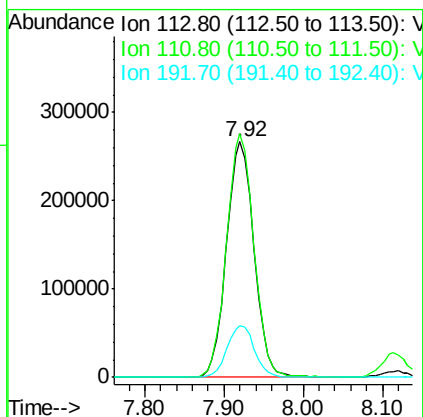
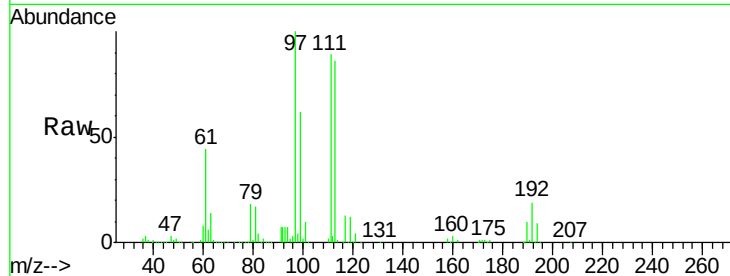




#35
Dibromofluoromethane
Concen: 139.15 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

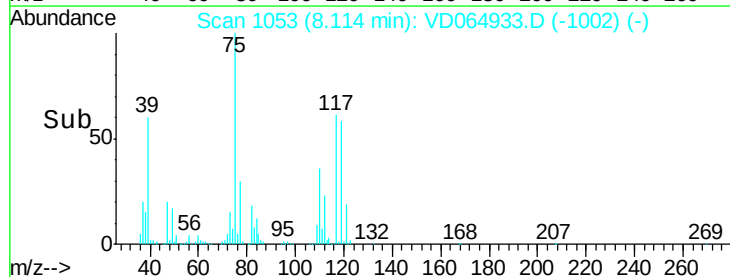
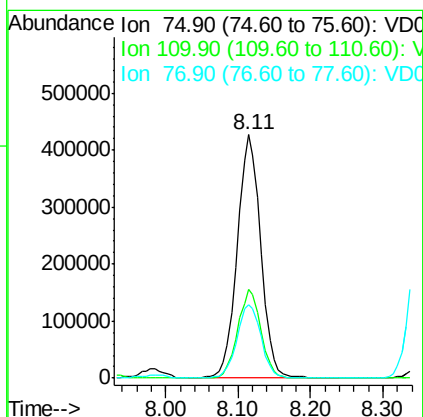
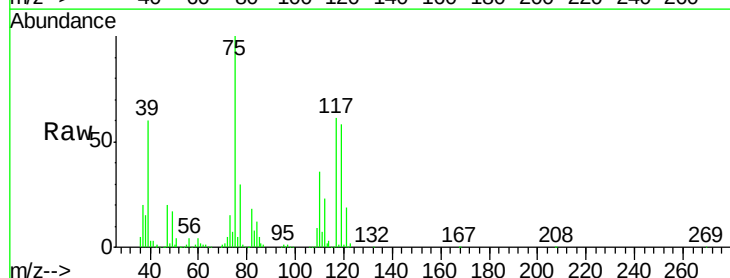
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

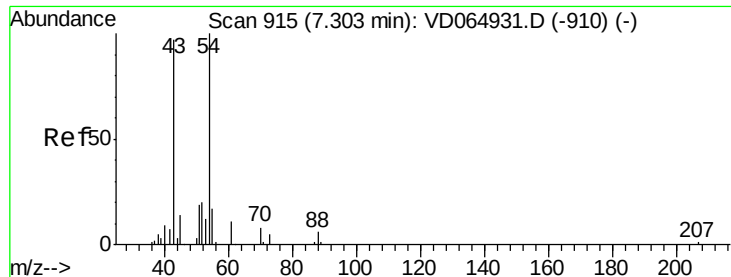
Tgt Ion:113 Resp: 641916
Ion Ratio Lower Upper
113 100
111 102.4 82.4 123.6
192 21.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 132.15 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Tgt Ion: 75 Resp: 957338
Ion Ratio Lower Upper
75 100
110 35.8 17.3 52.0
77 31.0 24.7 37.1

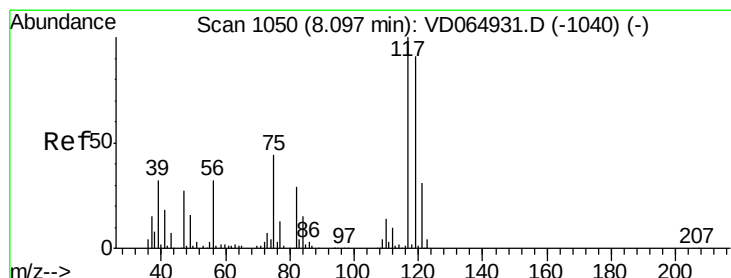
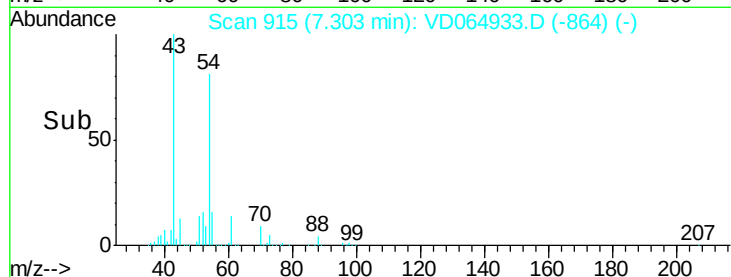
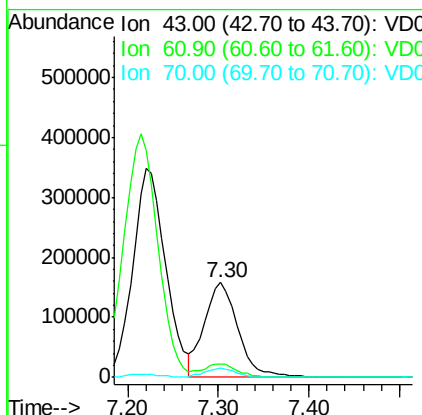
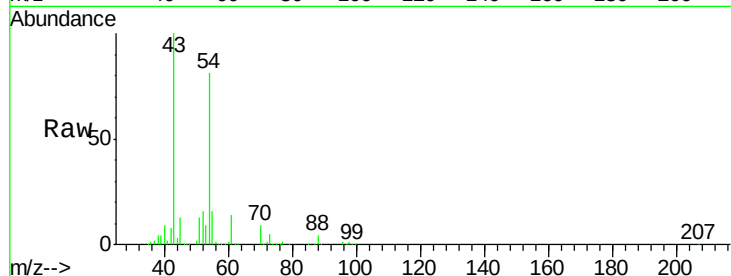




#37
Ethyl Acetate
Concen: 138.19 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

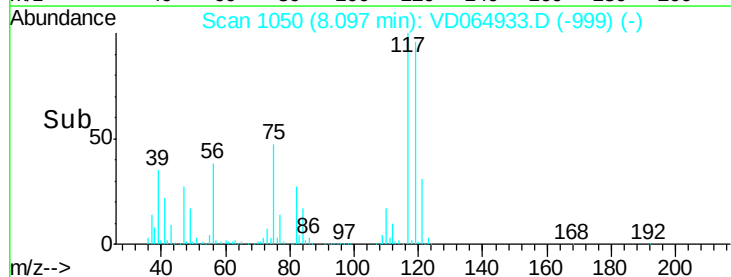
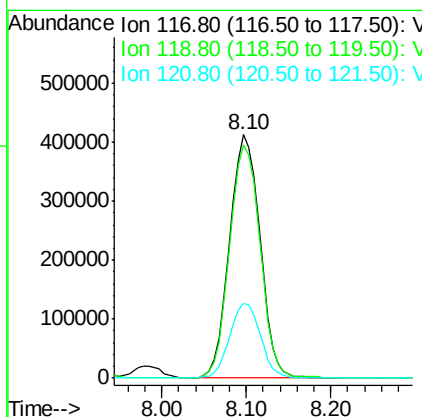
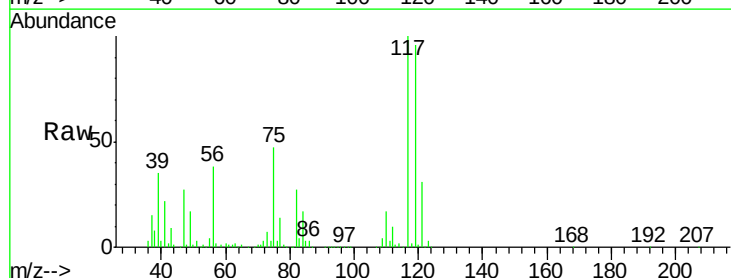
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

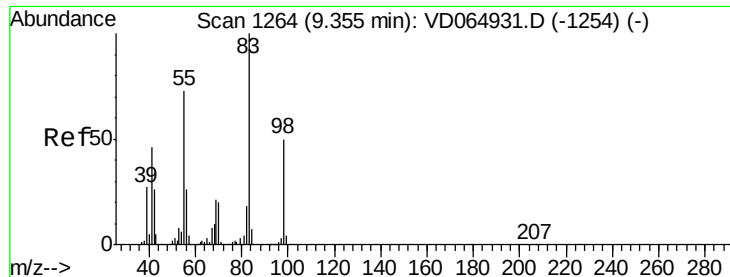
Tgt Ion: 43 Resp: 404908
Ion Ratio Lower Upper
43 100
61 13.0 11.0 16.4
70 9.5 7.5 11.3



#38
Carbon Tetrachloride
Concen: 135.72 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Tgt Ion: 117 Resp: 1025765
Ion Ratio Lower Upper
117 100
119 95.8 73.2 109.8
121 30.9 24.4 36.6

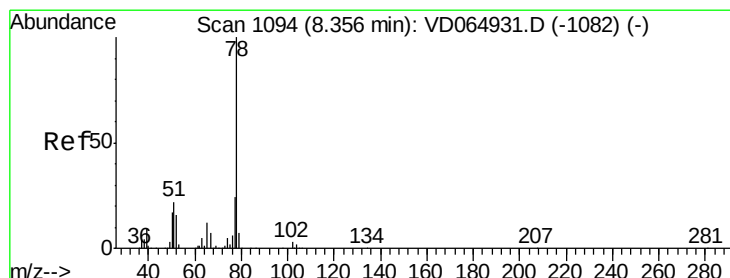
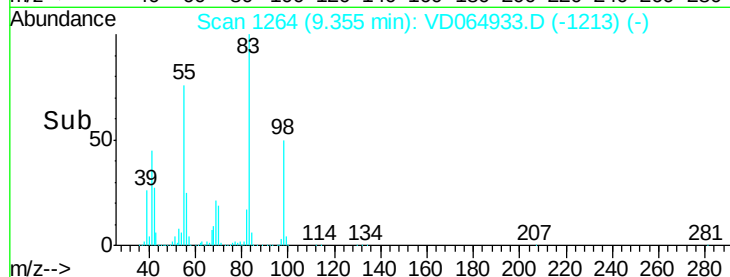
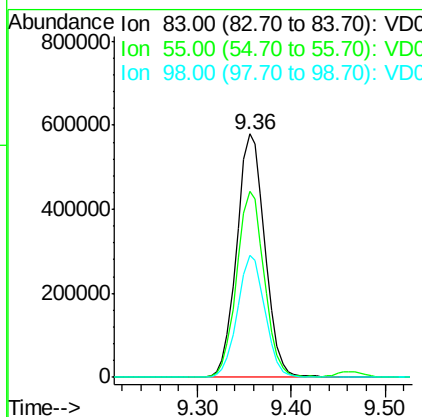
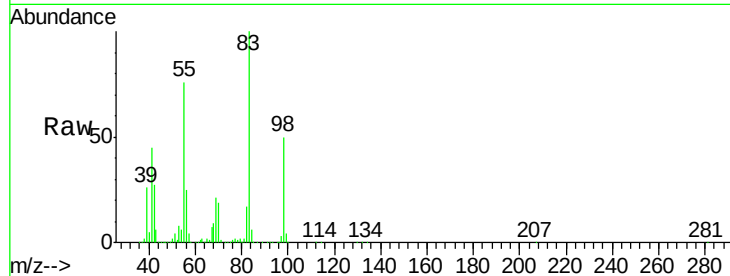




#39
Methylcyclohexane
Concen: 143.04 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

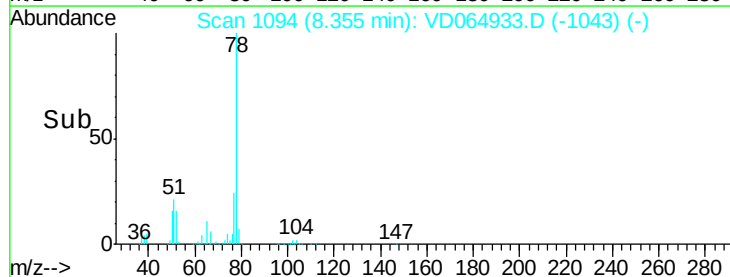
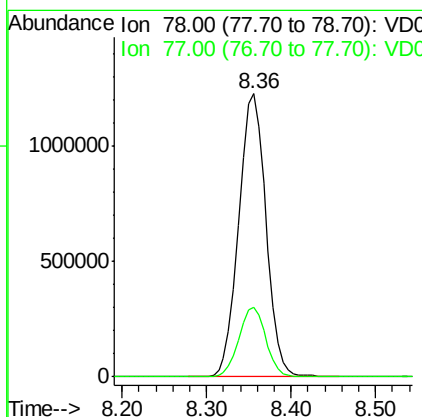
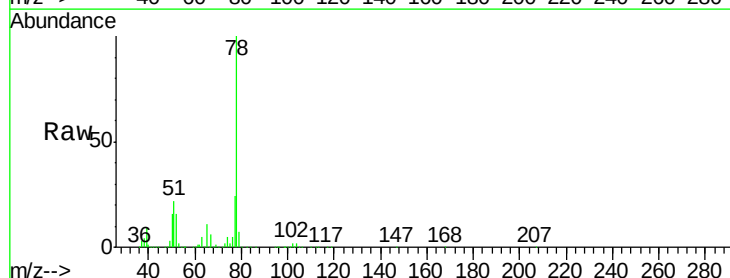
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

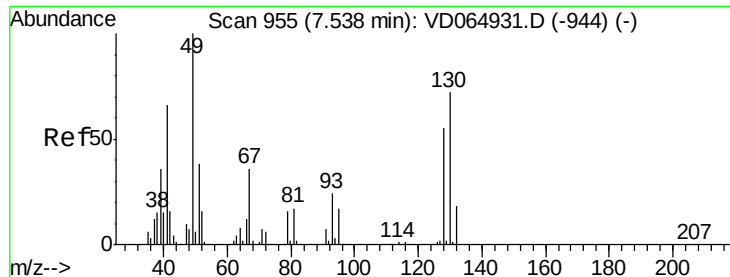
Tgt Ion: 83 Resp: 1199449
Ion Ratio Lower Upper
83 100
55 76.2 58.7 88.1
98 50.2 40.2 60.2



#40
Benzene
Concen: 139.17 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Tgt Ion: 78 Resp: 2747909
Ion Ratio Lower Upper
78 100
77 24.4 19.2 28.8

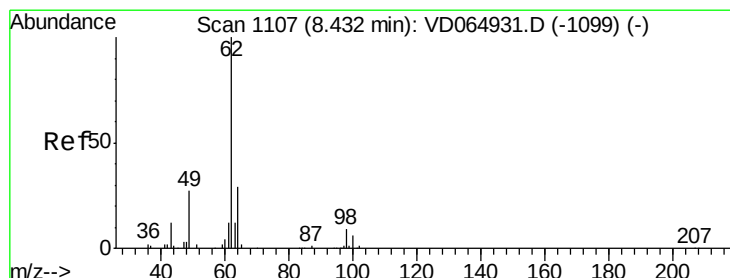
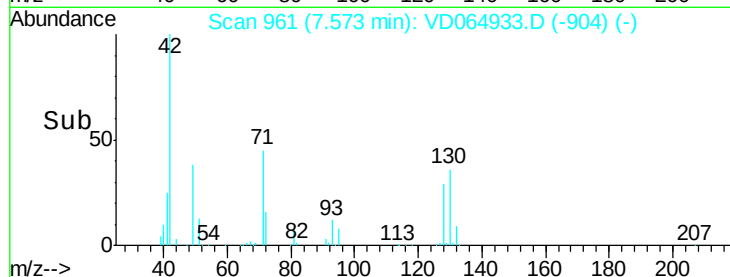
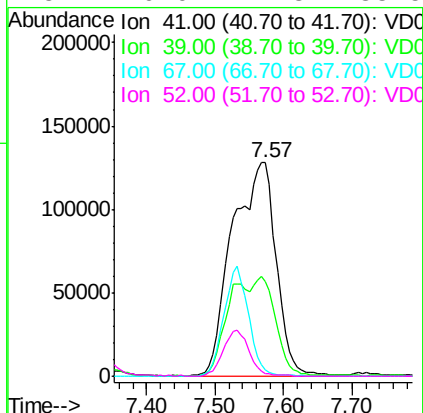
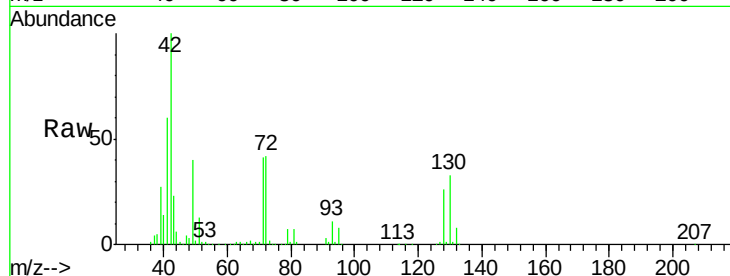




#41
Methacrylonitrile
Concen: 375.85 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.04 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

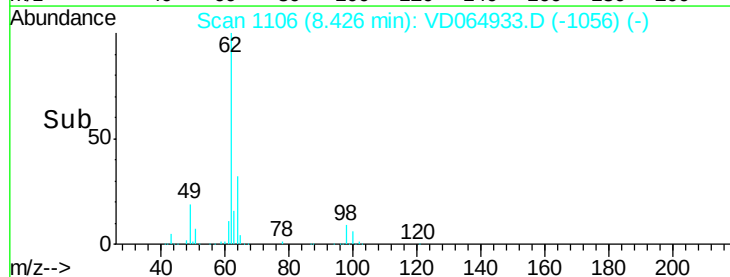
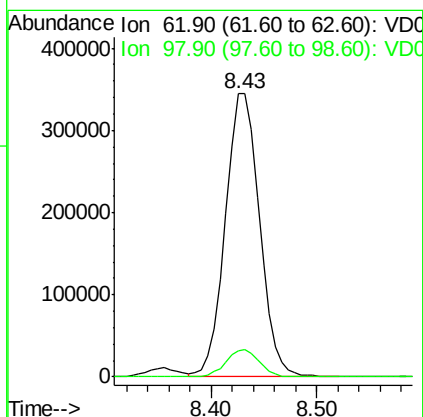
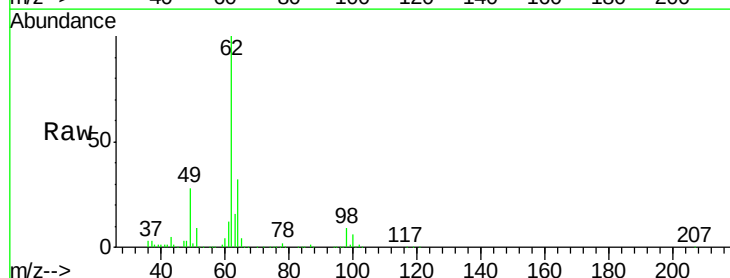
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

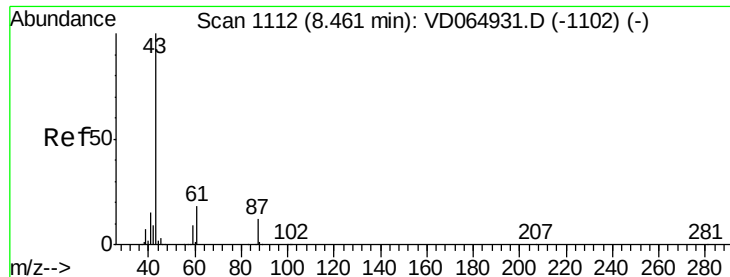
Tgt Ion: 41 Resp: 565823
Ion Ratio Lower Upper
41 100
39 0.0 49.3 73.9#
67 0.0 51.0 76.6#
52 0.0 22.3 33.5#



#42
1,2-Dichloroethane
Concen: 129.55 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Tgt Ion: 62 Resp: 771580
Ion Ratio Lower Upper
62 100
98 9.5 0.0 17.8





#43

Isopropyl Acetate

Concen: 140.14 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

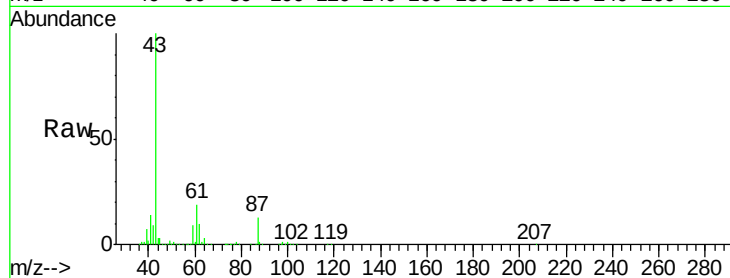
Tgt Ion: 43 Resp: 784642

Ion Ratio Lower Upper

43 100

61 29.2 23.8 35.6

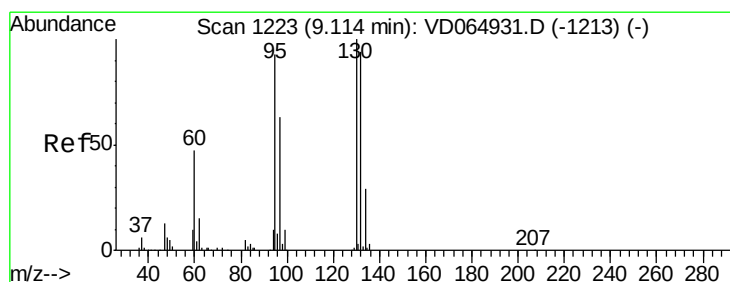
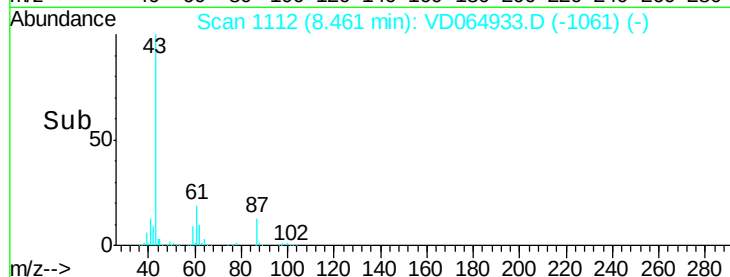
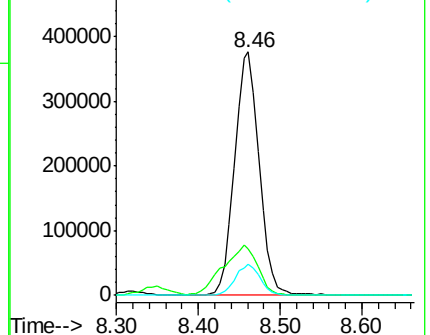
87 12.9 10.3 15.5



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: 131.03 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064933.D

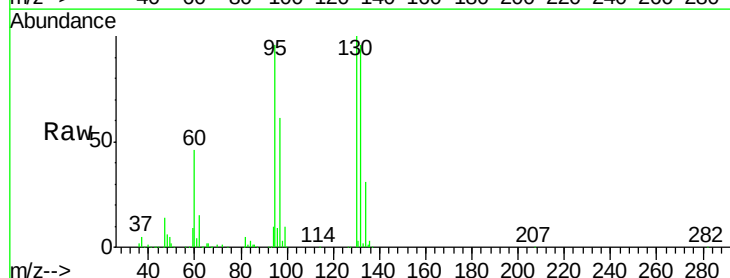
Acq: 23 Jan 2020 13:17

Tgt Ion: 130 Resp: 740621

Ion Ratio Lower Upper

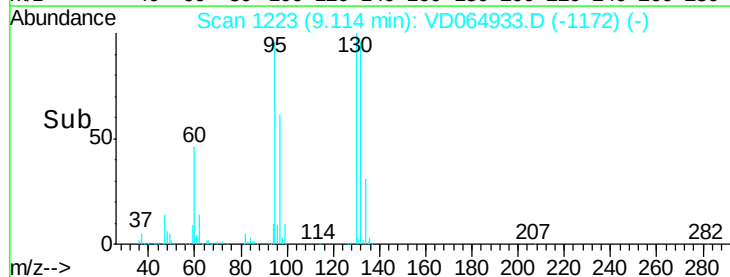
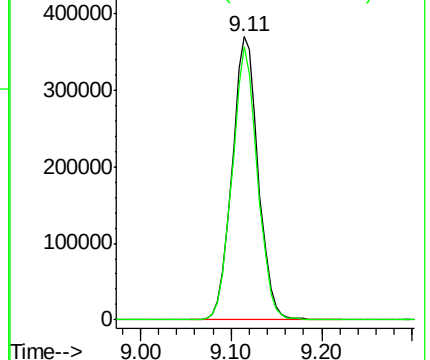
130 100

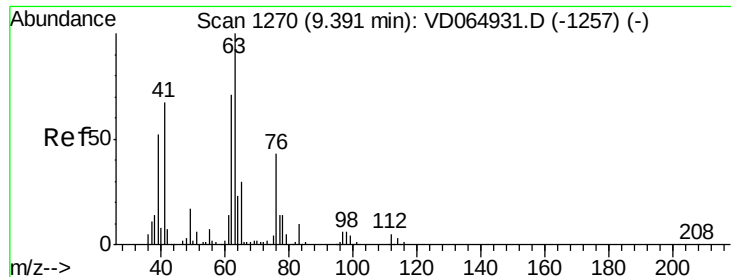
95 96.4 0.0 185.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 133.46 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

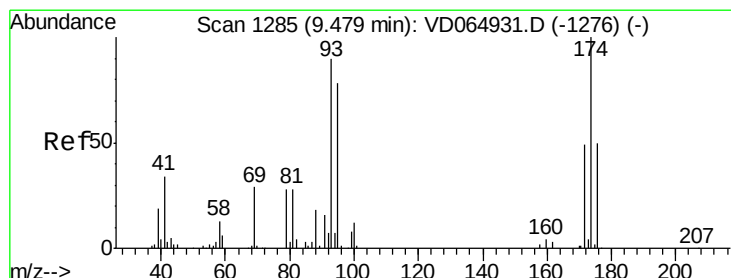
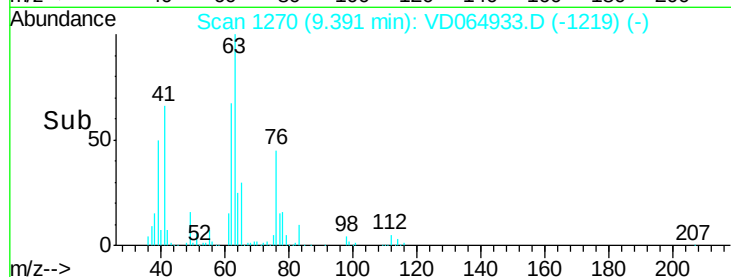
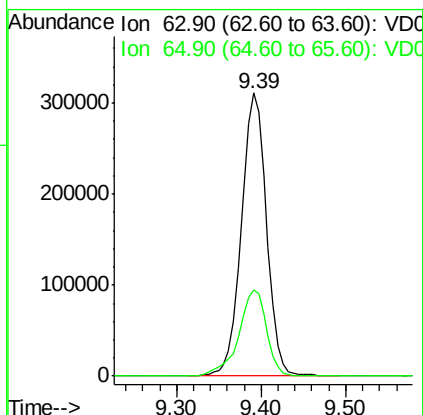
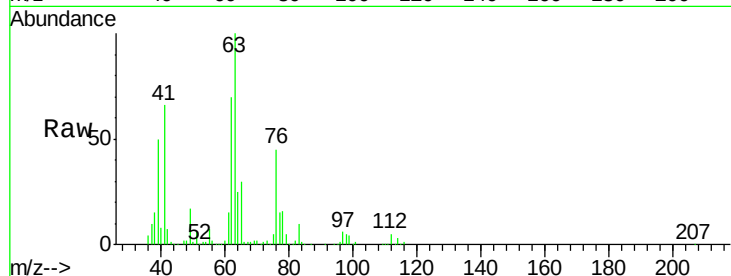
VSTDIC150

Tgt Ion: 63 Resp: 640758

Ion Ratio Lower Upper

63 100

65 30.4 24.3 36.5



#46

Dibromomethane

Concen: 132.45 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

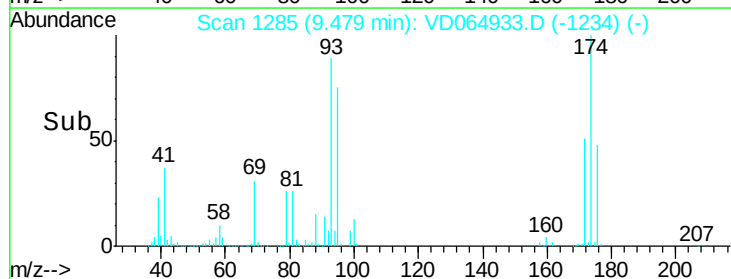
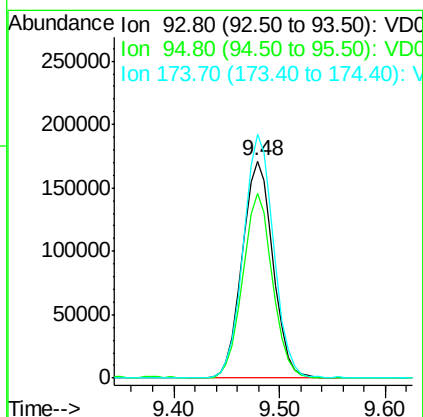
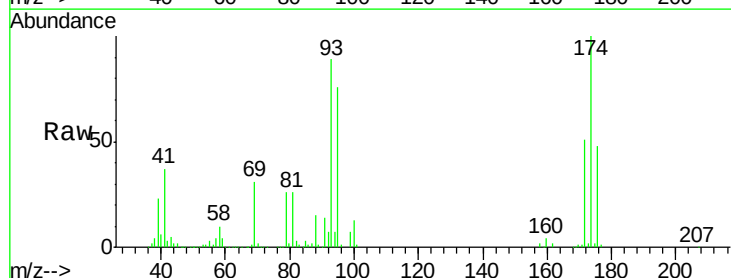
Tgt Ion: 93 Resp: 346374

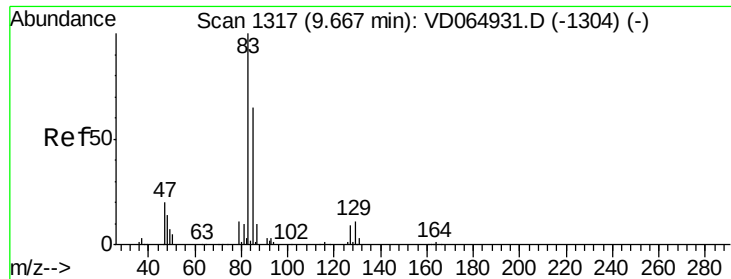
Ion Ratio Lower Upper

93 100

95 82.9 67.5 101.3

174 110.6 88.4 132.6





#47

Bromodichloromethane

Concen: 132.85 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

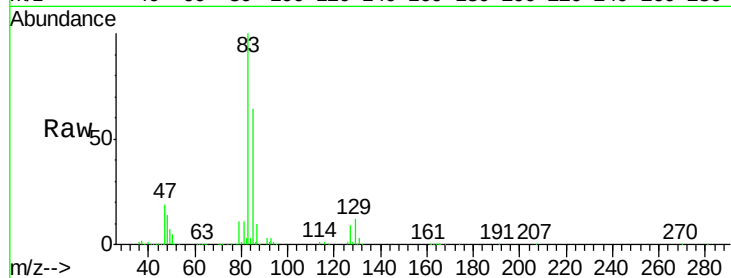
Tgt Ion: 83 Resp: 918774

Ion Ratio Lower Upper

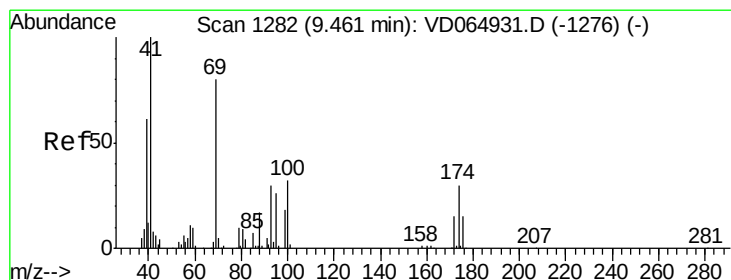
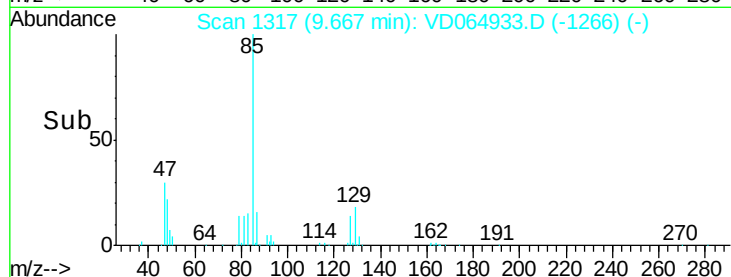
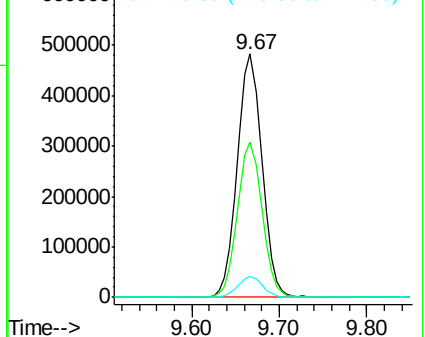
83 100

85 63.6 52.0 78.0

127 8.6 7.3 10.9



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: 145.45 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

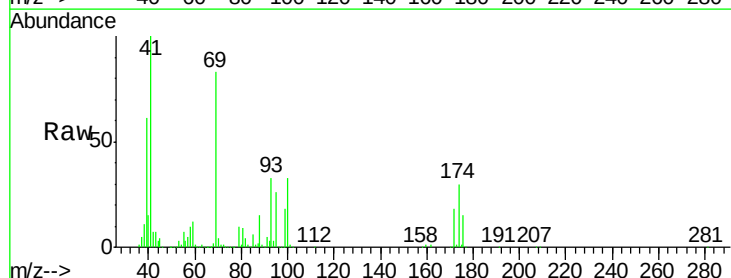
Tgt Ion: 41 Resp: 369319

Ion Ratio Lower Upper

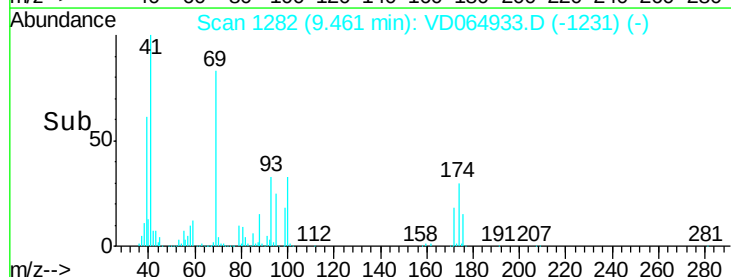
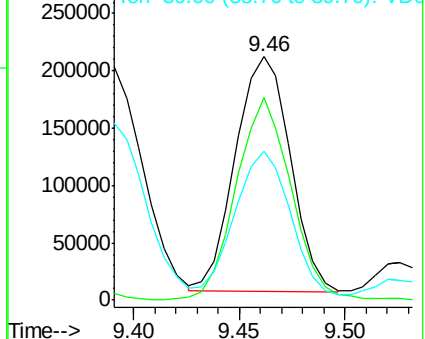
41 100

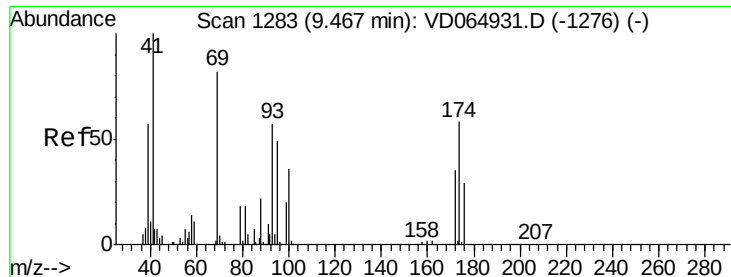
69 85.9 65.8 98.8

39 61.5 49.4 74.0



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

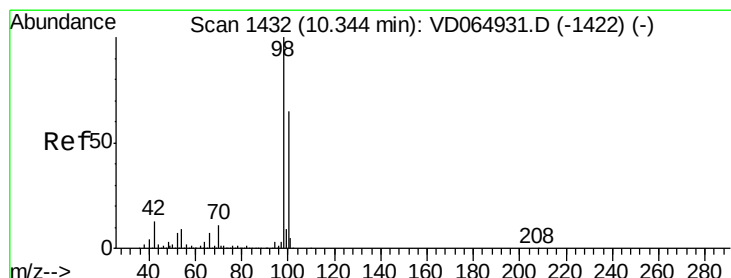
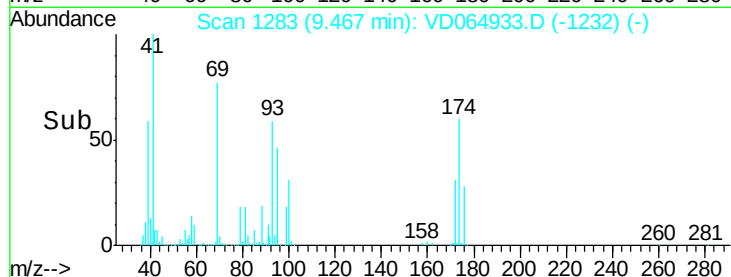
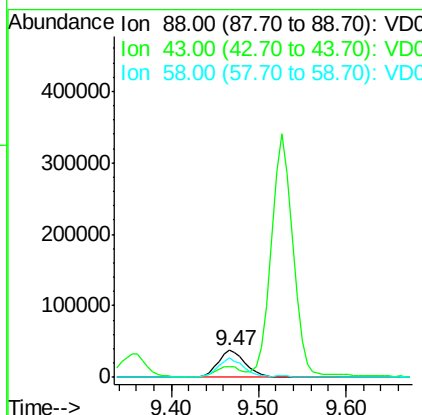
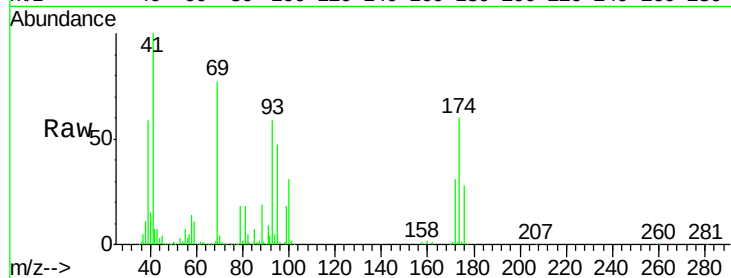




#49
1,4-Dioxane
Concen: 2687.35 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

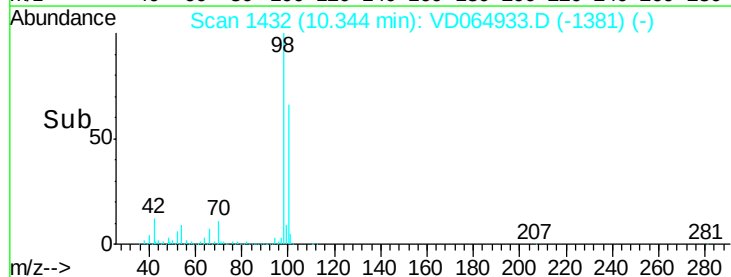
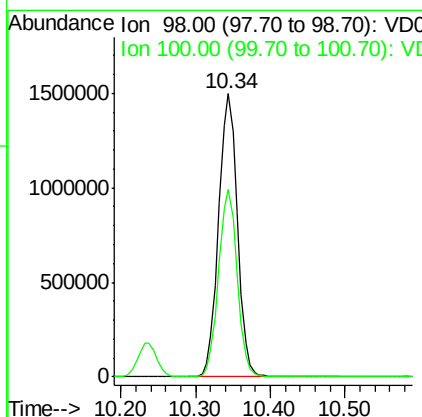
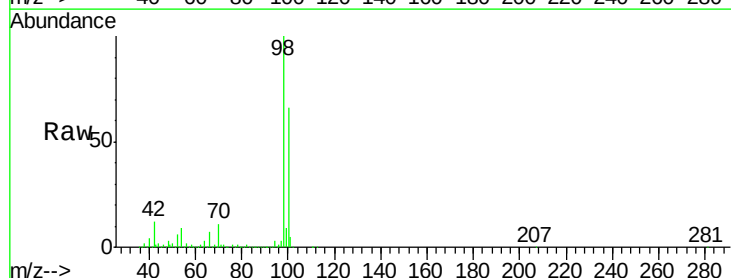
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

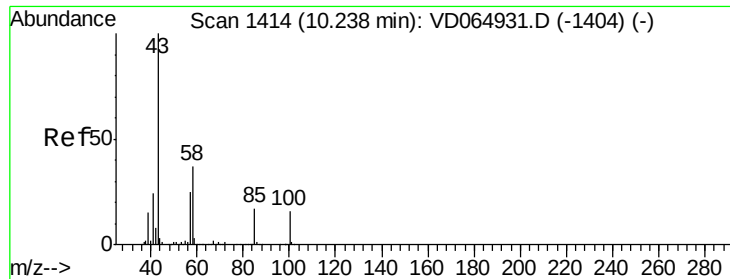
Tgt Ion: 88 Resp: 82480
Ion Ratio Lower Upper
88 100
43 35.0 26.2 39.4
58 66.9 50.3 75.5



#50
Toluene-d8
Concen: 149.82 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Tgt Ion: 98 Resp: 2634943
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5

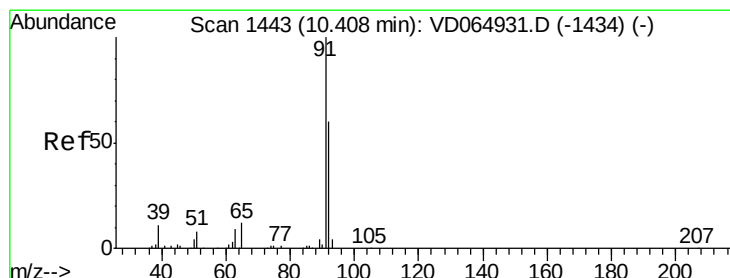
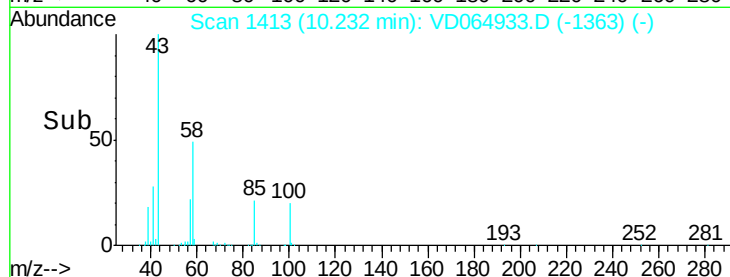
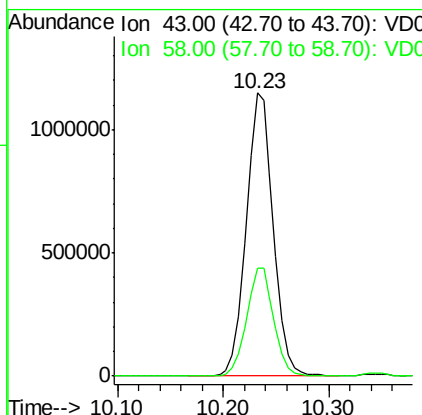
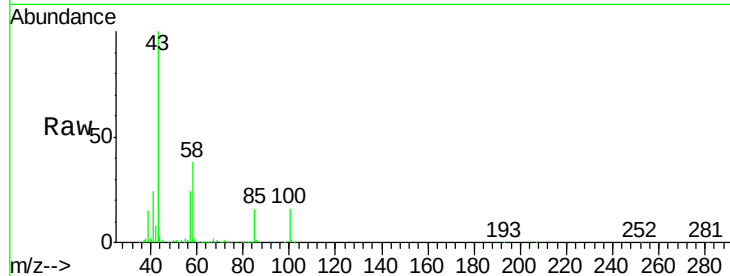




#51
 4-Methyl-2-Pentanone
 Concen: 733.47 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

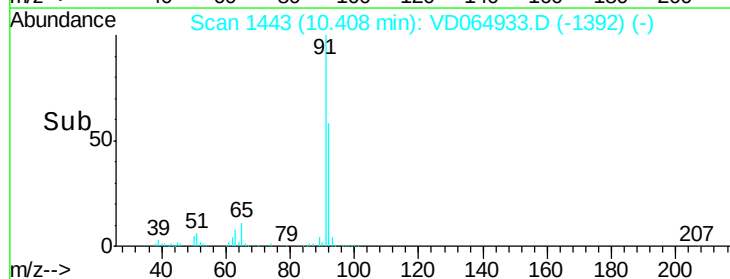
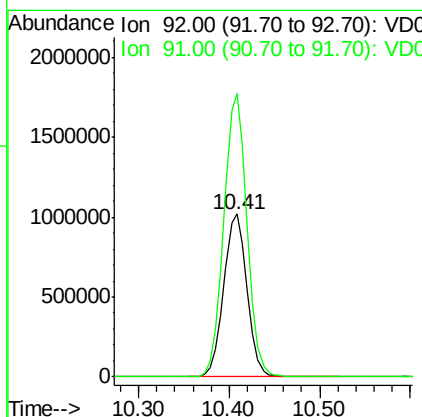
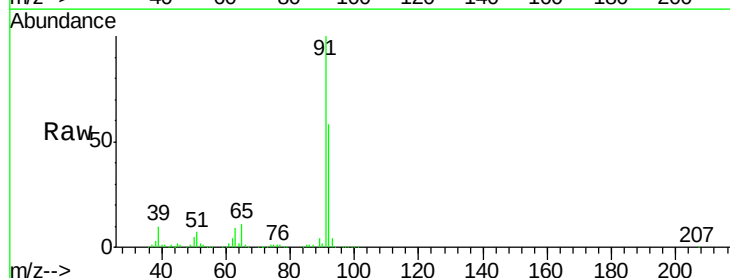
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

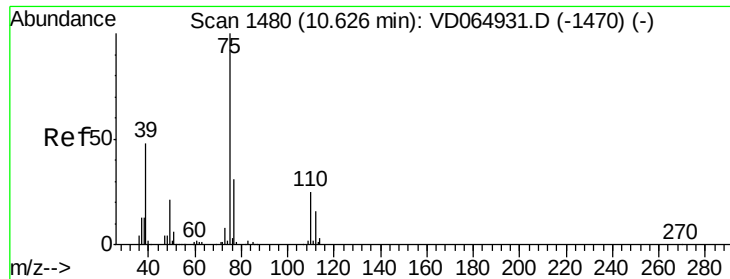
Tgt Ion: 43 Resp: 2036067
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.4 45.6



#52
 Toluene
 Concen: 142.60 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

Tgt Ion: 92 Resp: 1803095
 Ion Ratio Lower Upper
 92 100
 91 173.7 136.8 205.2





#53

t-1,3-Dichloropropene

Concen: 143.85 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

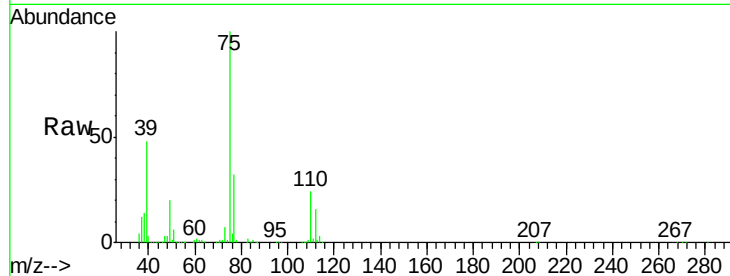
VSTDIC150

Tgt Ion: 75 Resp: 919734

Ion Ratio Lower Upper

75 100

77 31.8 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

600000

500000

400000

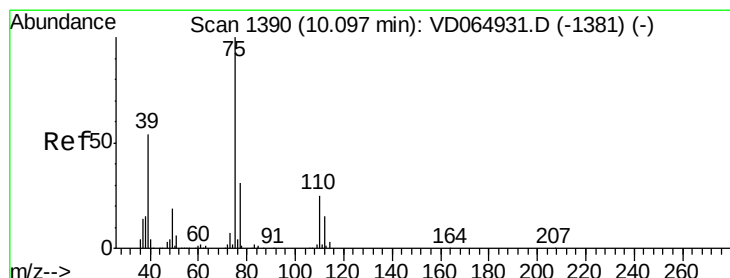
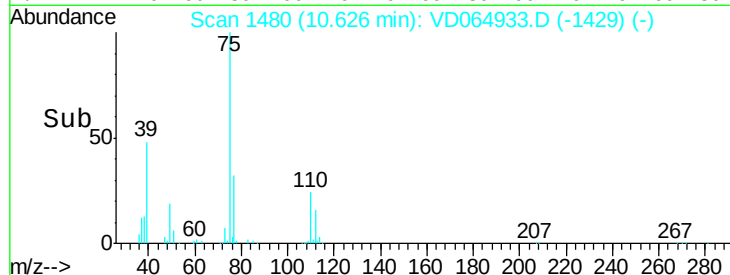
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 141.27 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

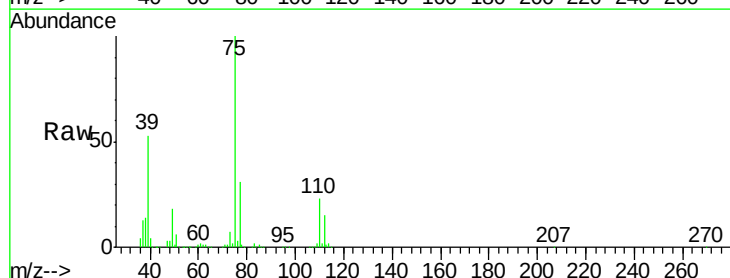
Tgt Ion: 75 Resp: 1070309

Ion Ratio Lower Upper

75 100

77 30.8 25.1 37.7

39 52.4 43.0 64.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.09

800000

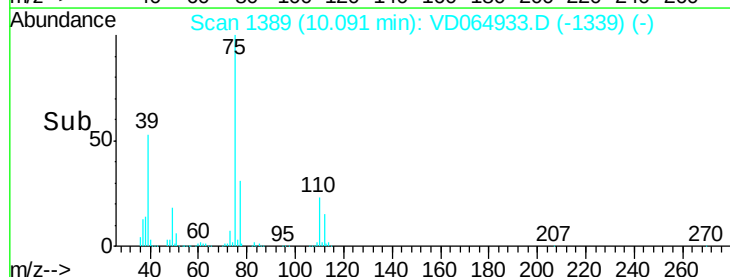
600000

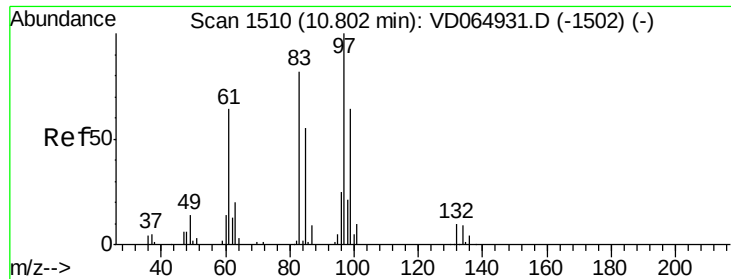
400000

200000

0

Time-->

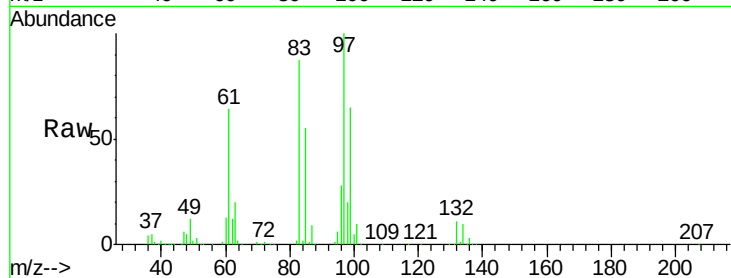




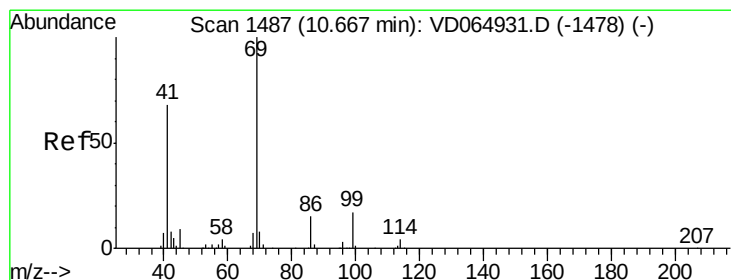
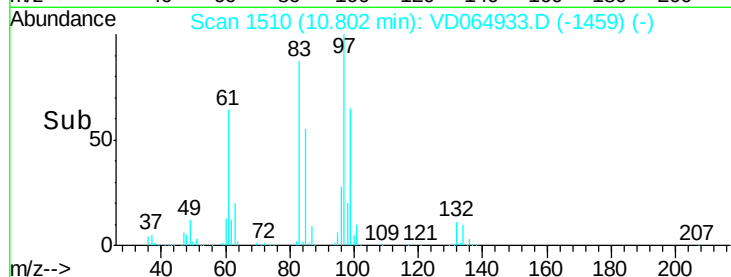
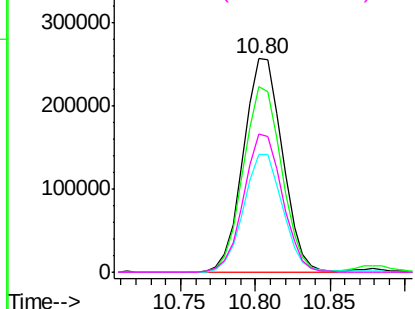
#55
 1,1,2-Trichloroethane
 Concen: 132.11 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion: 97 Resp: 465222
 Ion Ratio Lower Upper
 97 100
 83 87.1 66.0 99.0
 85 55.2 44.4 66.6
 99 64.9 51.4 77.0

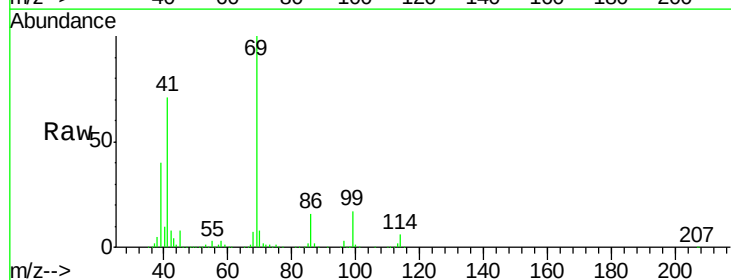


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

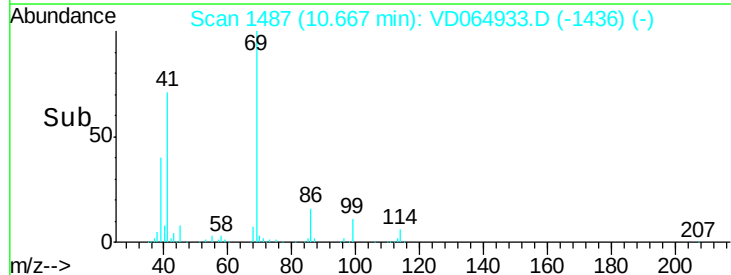
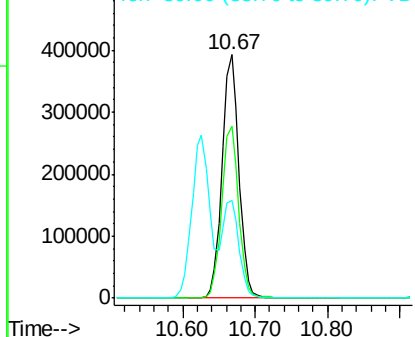


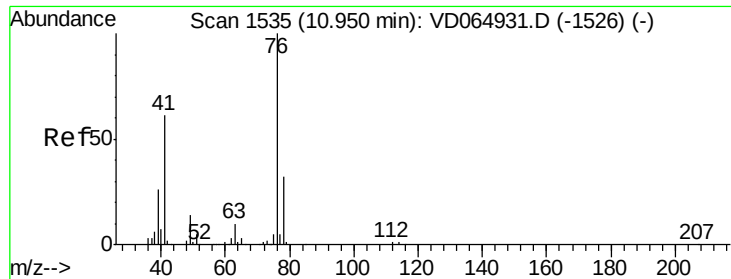
#56
 Ethyl methacrylate
 Concen: 154.19 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

Tgt Ion: 69 Resp: 635325
 Ion Ratio Lower Upper
 69 100
 41 70.5 56.4 84.6
 39 37.3 30.6 46.0



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

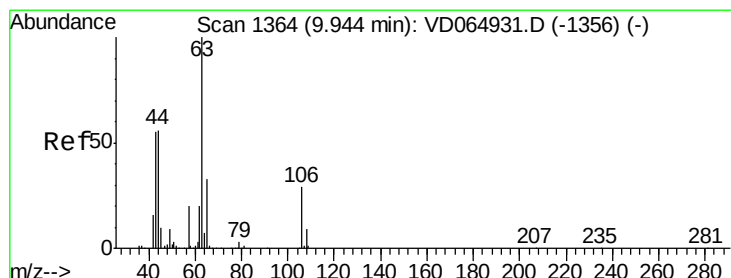
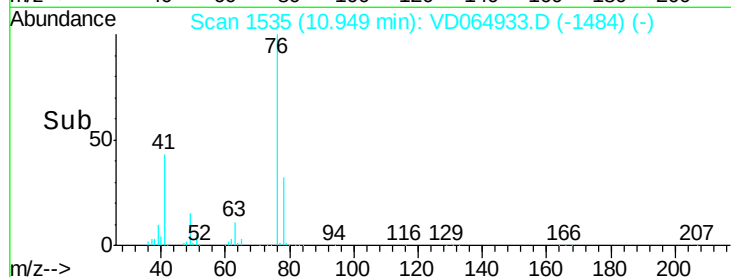
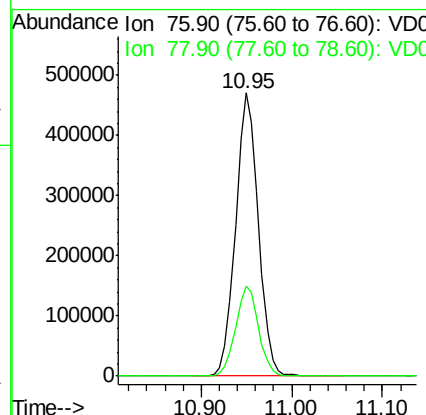
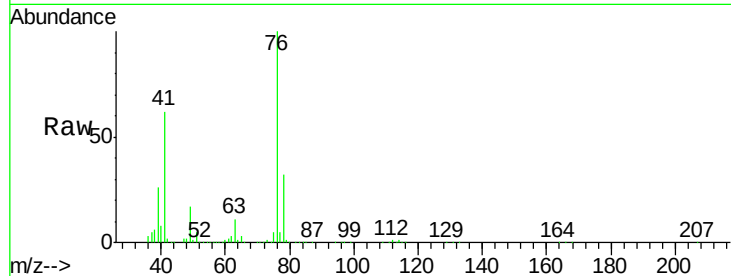




#57
 1,3-Dichloropropane
 Concen: 136.09 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

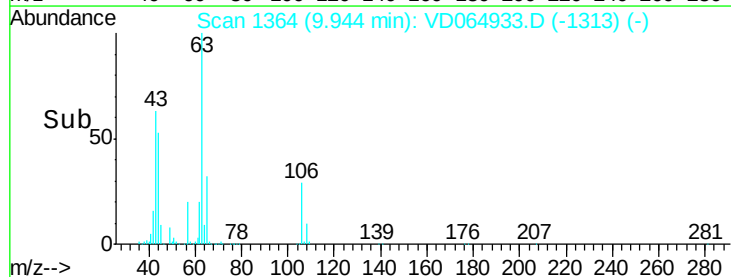
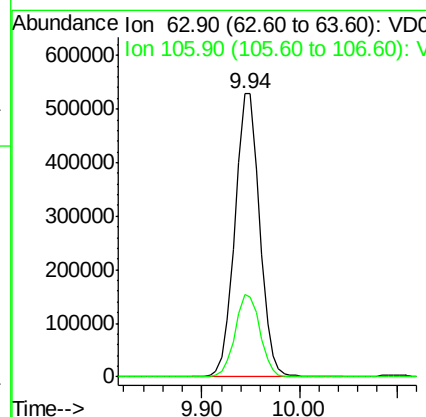
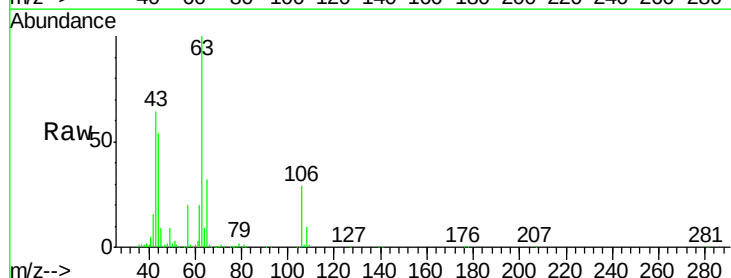
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

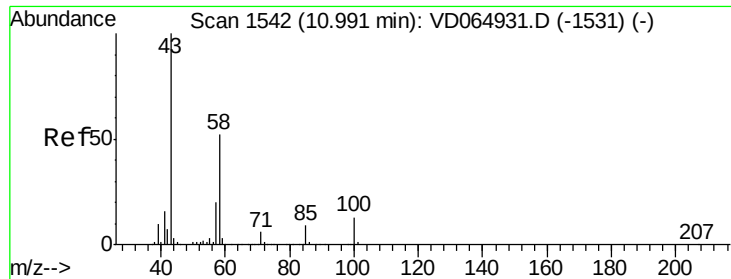
Tgt Ion: 76 Resp: 823563
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 667.18 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

Tgt Ion: 63 Resp: 931616
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.0 34.4

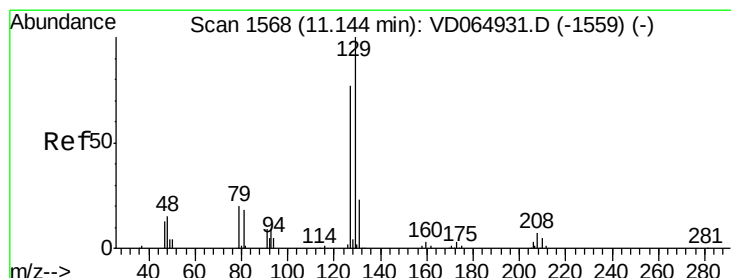
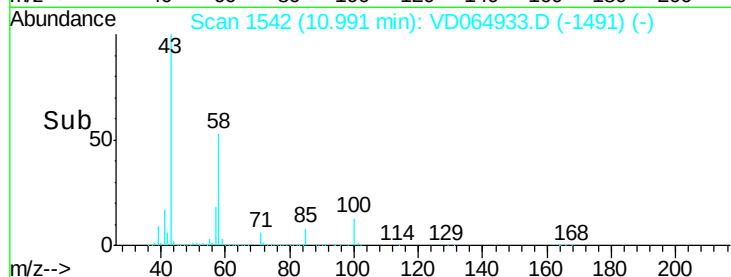
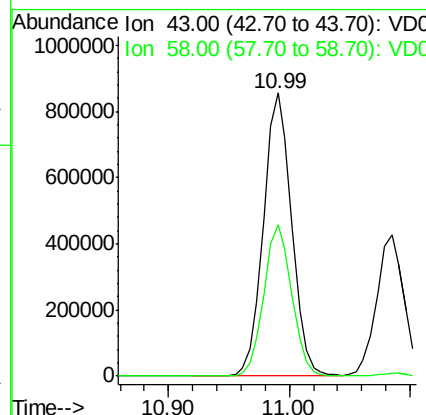
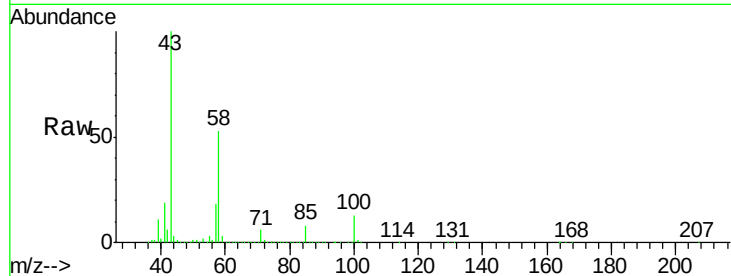




#59
2-Hexanone
Concen: 719.30 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

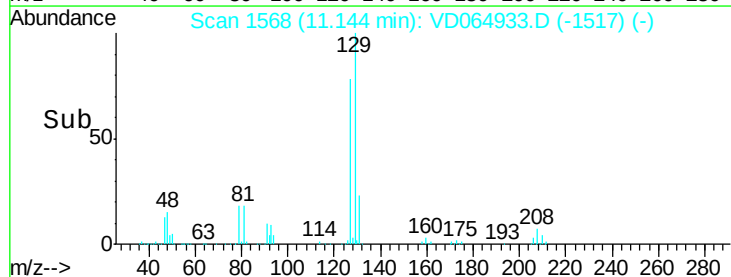
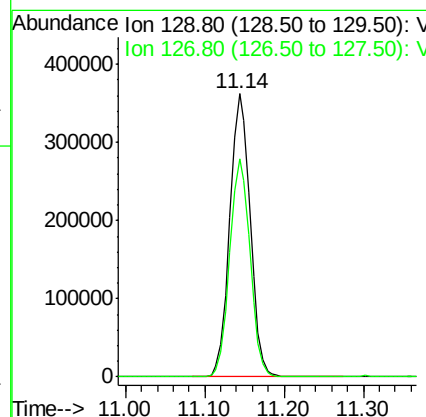
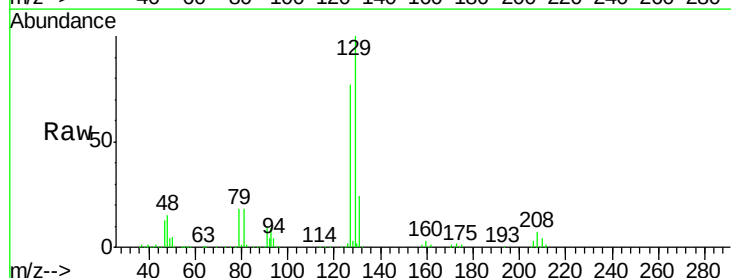
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

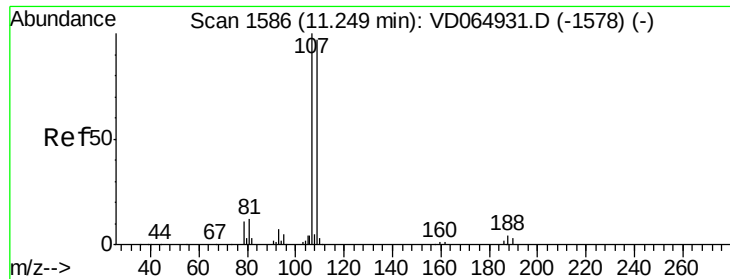
Tgt Ion: 43 Resp: 1383152
Ion Ratio Lower Upper
43 100
58 53.1 26.5 79.4



#60
Dibromochloromethane
Concen: 137.68 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Tgt Ion: 129 Resp: 645920
Ion Ratio Lower Upper
129 100
127 77.0 38.2 114.6

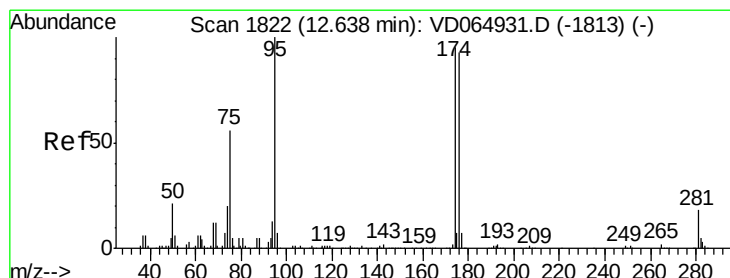
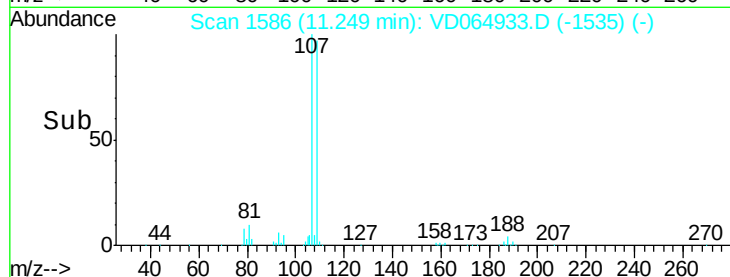
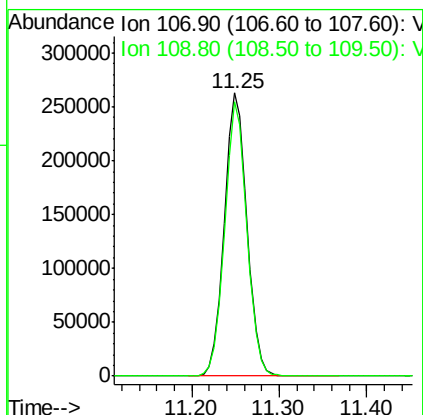
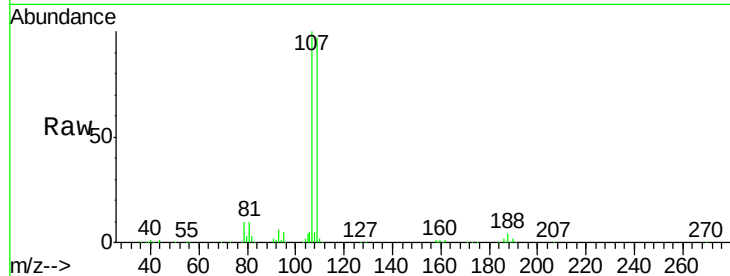




#61
 1,2-Dibromoethane
 Concen: 138.74 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

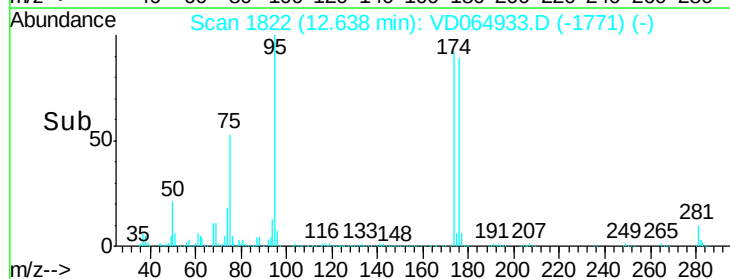
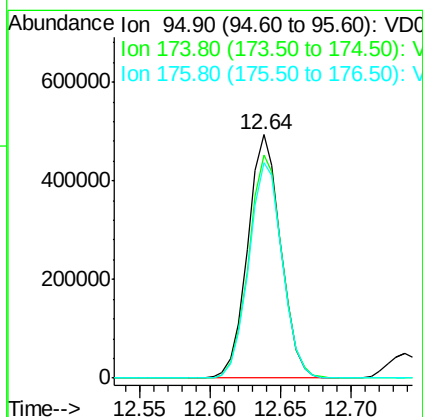
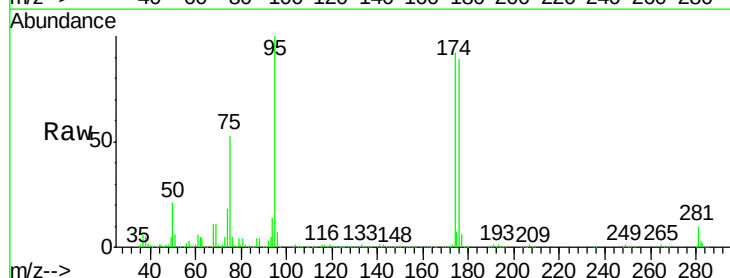
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

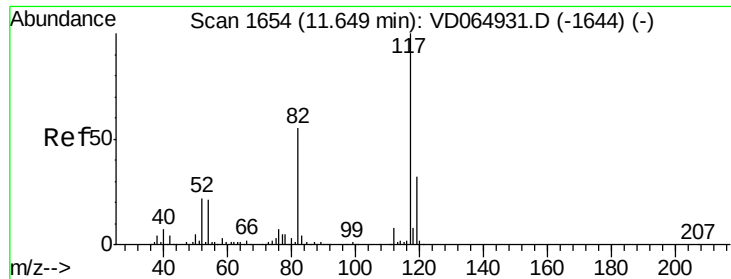
Tgt Ion: 107 Resp: 468195
 Ion Ratio Lower Upper
 107 100
 109 94.9 77.1 115.7



#62
 4-Bromofluorobenzene
 Concen: 147.88 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

Tgt Ion: 95 Resp: 809297
 Ion Ratio Lower Upper
 95 100
 174 92.4 0.0 186.8
 176 89.6 0.0 183.4

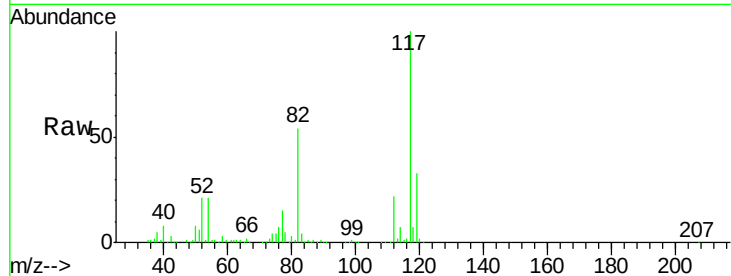




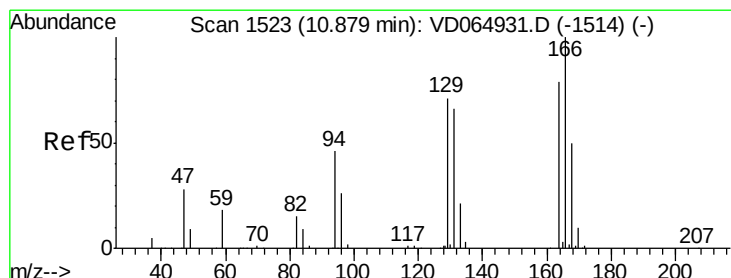
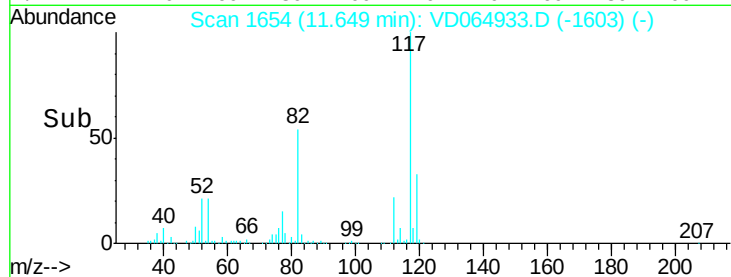
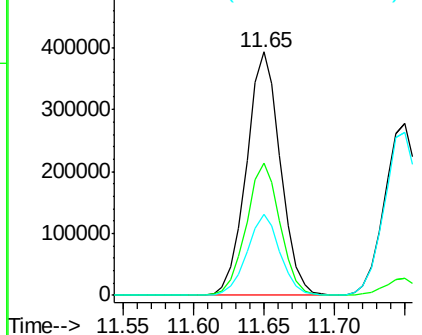
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:117 Resp: 661675
Ion Ratio Lower Upper
117 100
82 54.4 43.6 65.4
119 33.3 25.2 37.8

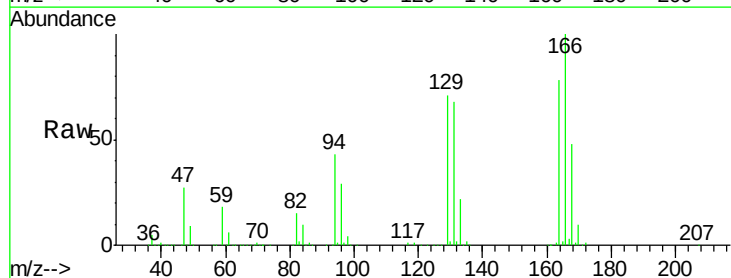


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

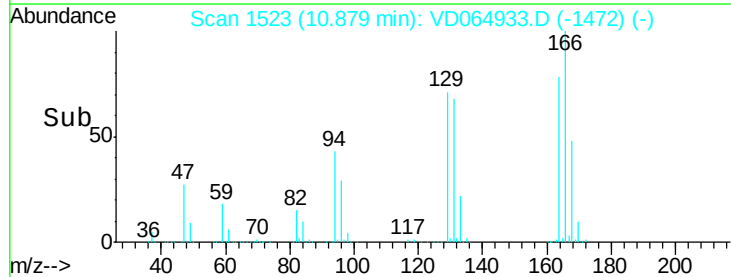
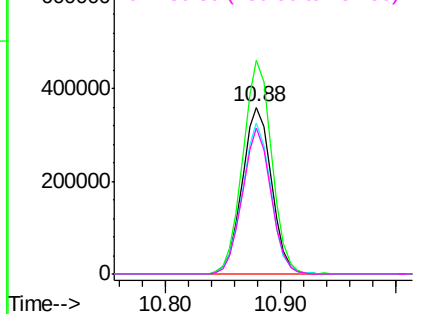


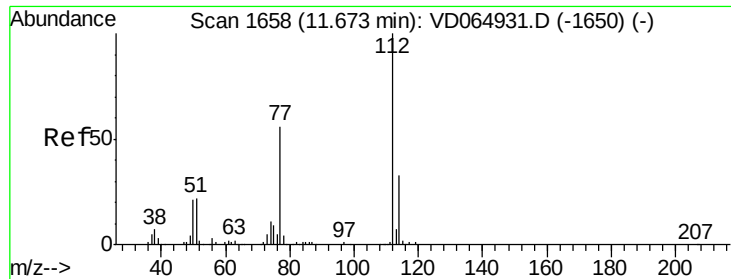
#64
Tetrachloroethene
Concen: 126.72 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Tgt Ion:164 Resp: 635186
Ion Ratio Lower Upper
164 100
166 128.2 101.4 152.2
129 90.9 71.8 107.8
131 87.2 66.8 100.2



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

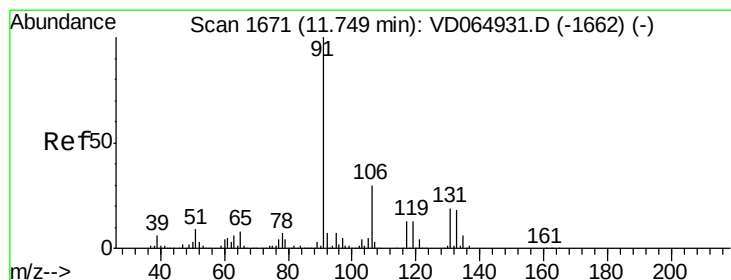
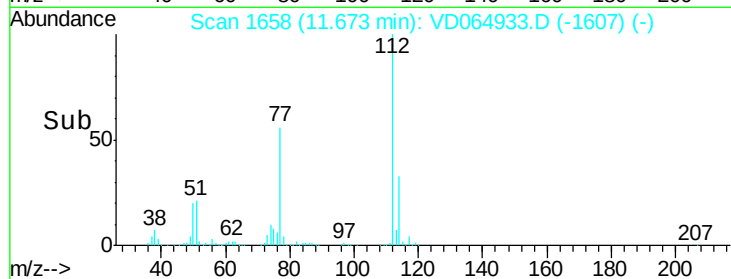
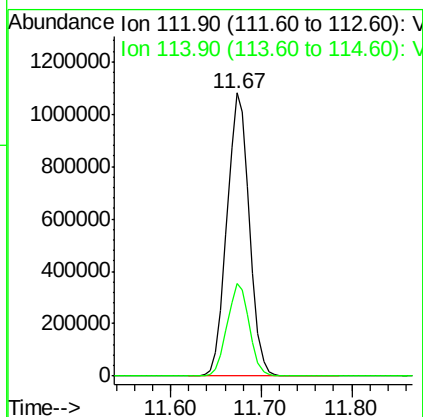
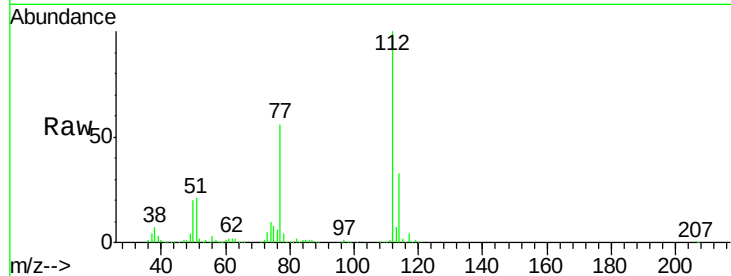




#65
Chlorobenzene
Concen: 133.90 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

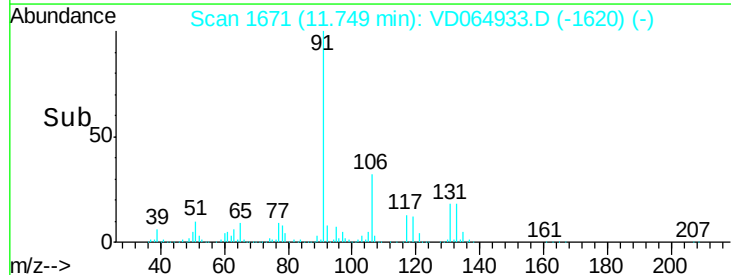
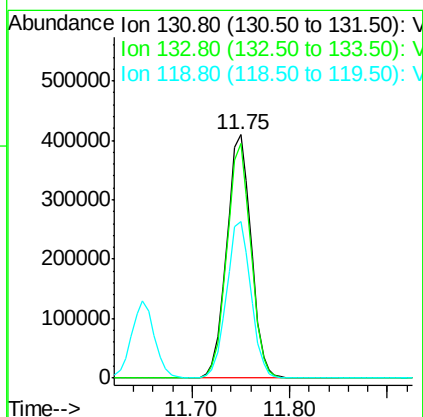
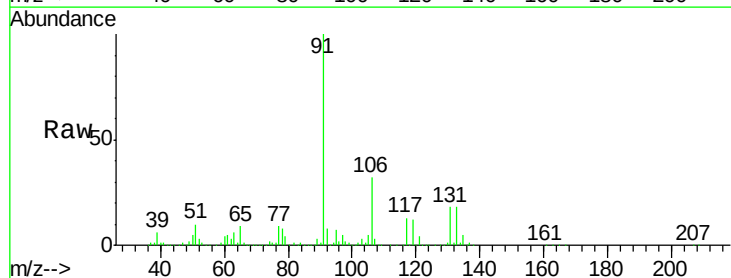
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

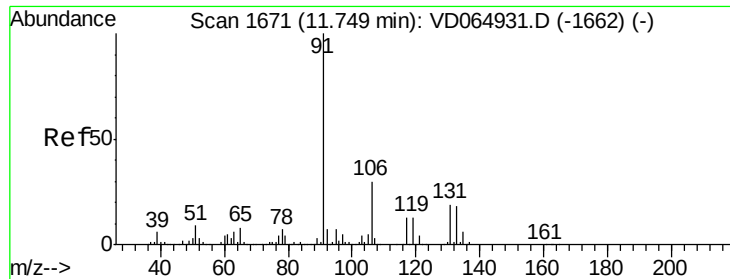
Tgt Ion:112 Resp: 1850124
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 137.62 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Tgt Ion:131 Resp: 711928
Ion Ratio Lower Upper
131 100
133 94.5 47.5 142.5
119 64.0 31.1 93.5

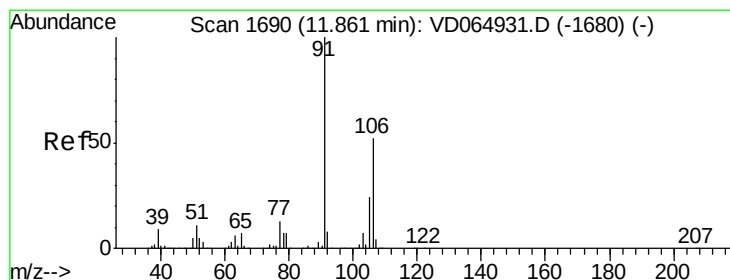
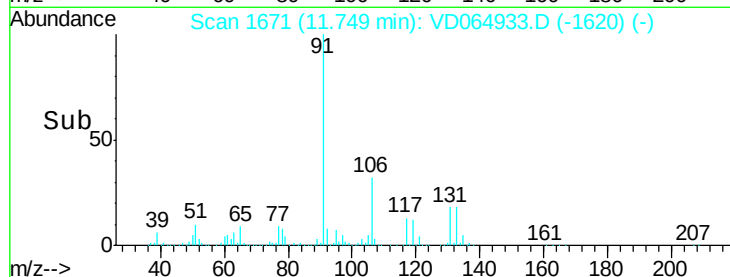
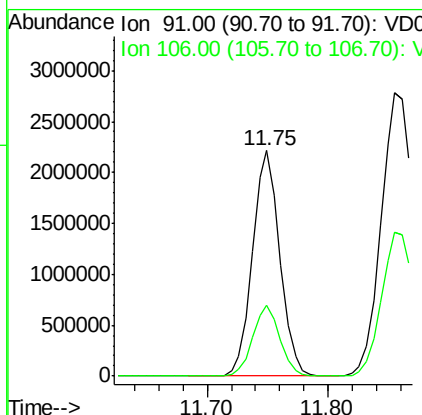
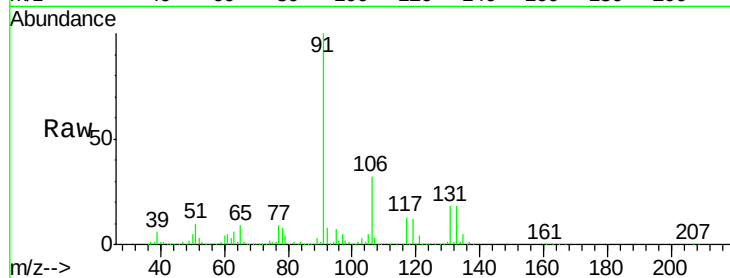




#67
Ethyl Benzene
Concen: 144.48 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

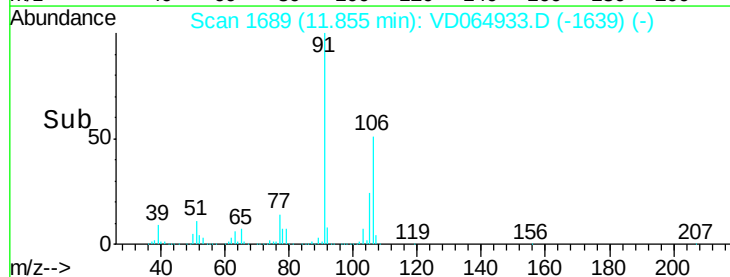
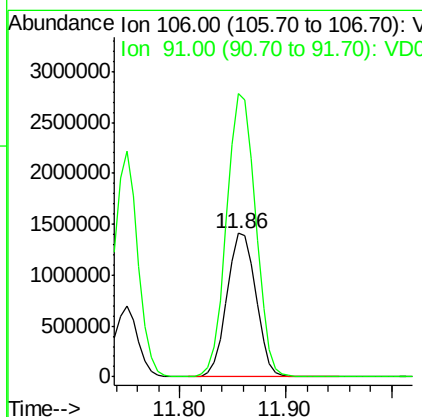
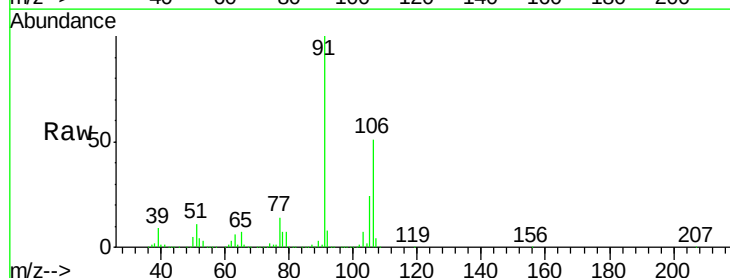
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

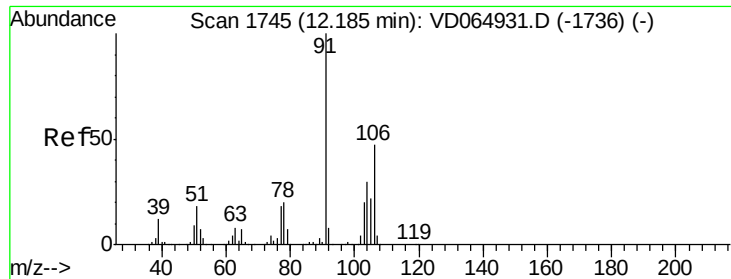
Tgt Ion: 91 Resp: 3496039
Ion Ratio Lower Upper
91 100
106 31.6 24.3 36.5



#68
m/p-Xylenes
Concen: 282.84 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Tgt Ion: 106 Resp: 2672088
Ion Ratio Lower Upper
106 100
91 198.0 159.0 238.4

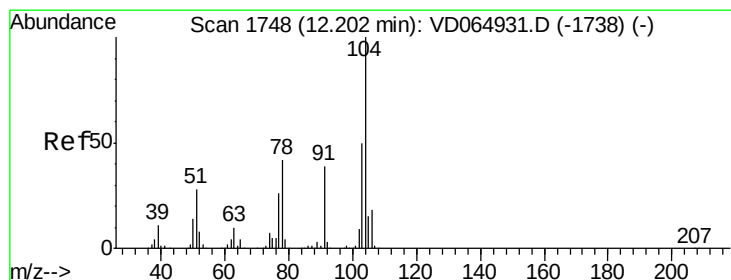
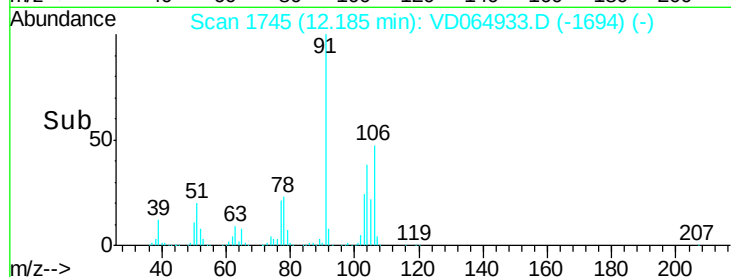
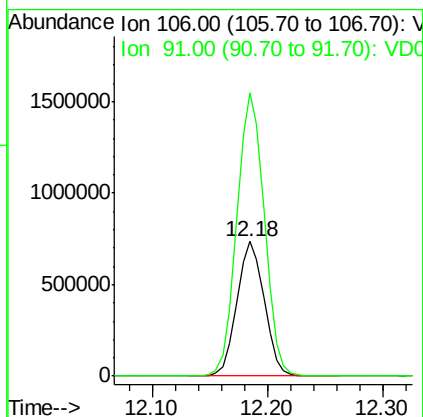
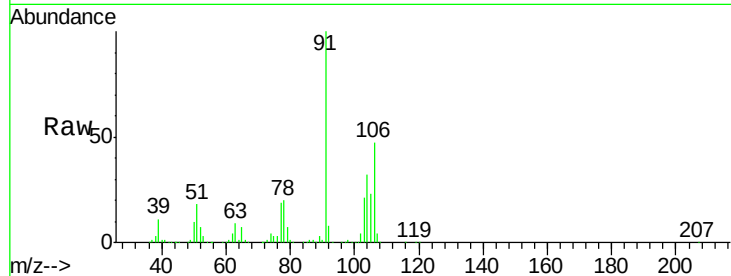




#69
o-Xylene
Concen: 145.49 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

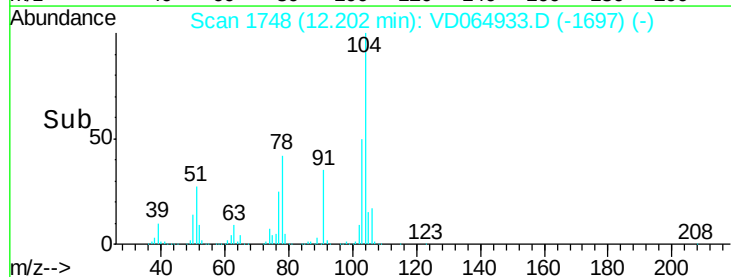
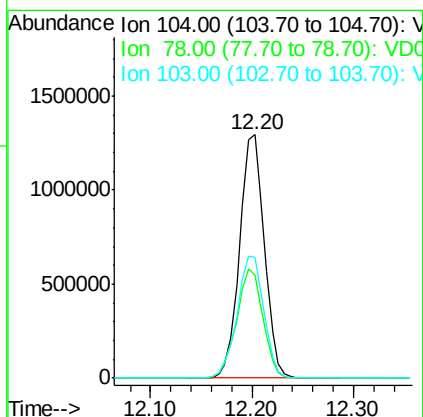
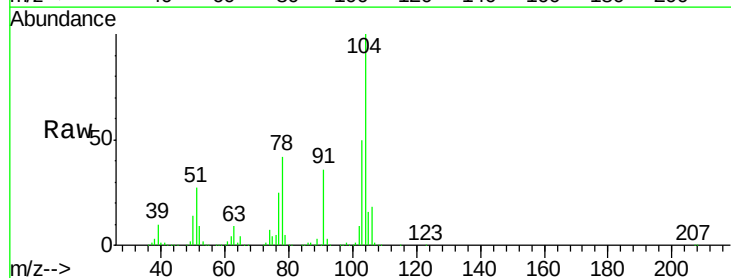
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

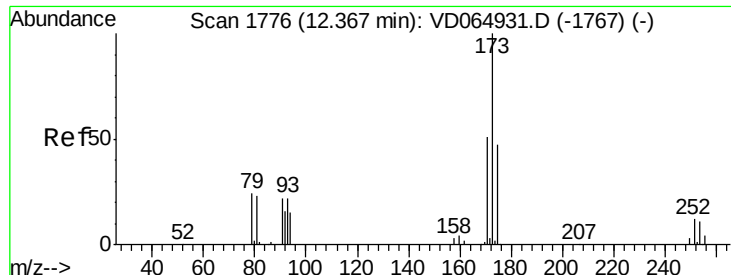
Tgt Ion:106 Resp: 1204749
Ion Ratio Lower Upper
106 100
91 211.4 106.7 319.9



#70
Styrene
Concen: 149.21 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD064933.D
Acq: 23 Jan 2020 13:17

Tgt Ion:104 Resp: 2188127
Ion Ratio Lower Upper
104 100
78 48.1 38.3 57.5
103 54.2 43.5 65.3





#71

Bromoform

Concen: 135.78 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

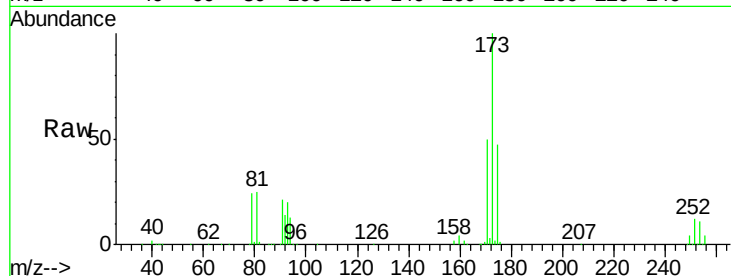
Tgt Ion:173 Resp: 387991

Ion Ratio Lower Upper

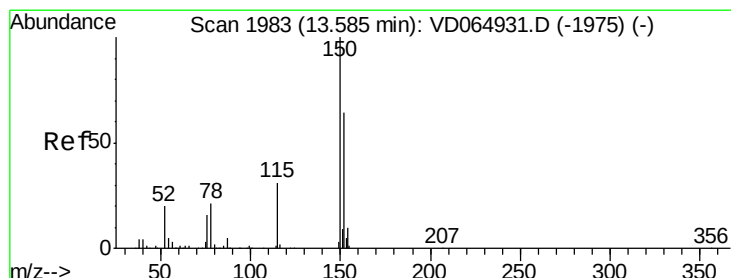
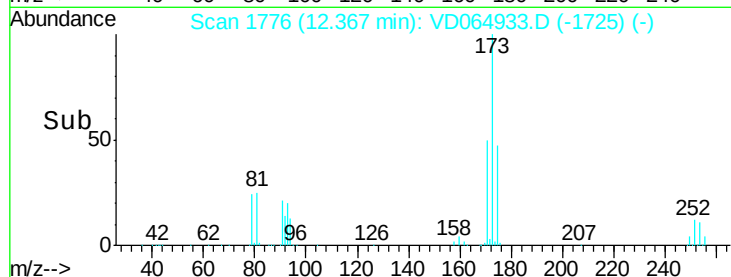
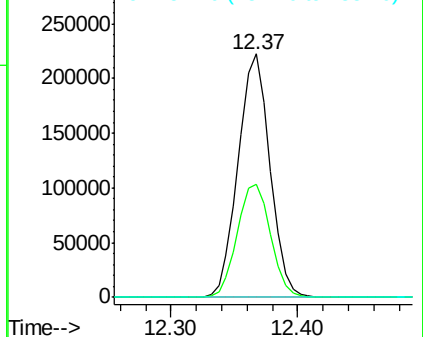
173 100

175 48.7 24.6 73.8

254 0.2 0.1 0.1#



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: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

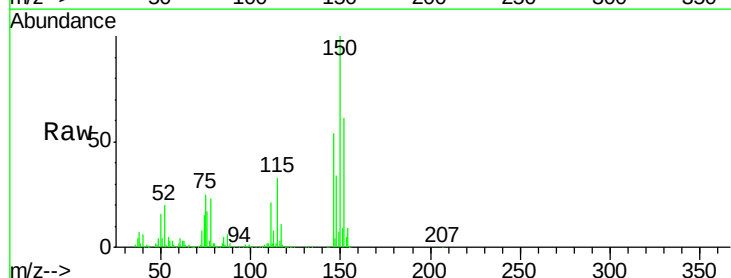
Tgt Ion:152 Resp: 338245

Ion Ratio Lower Upper

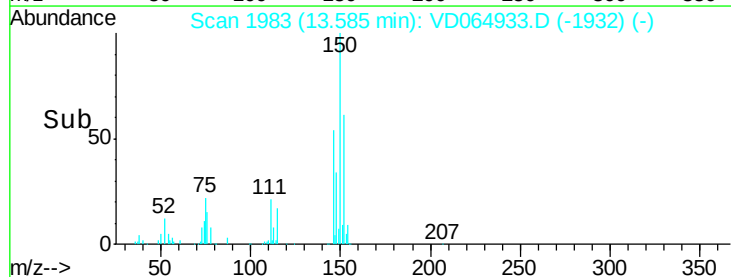
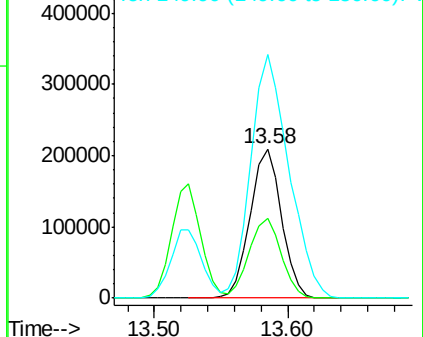
152 100

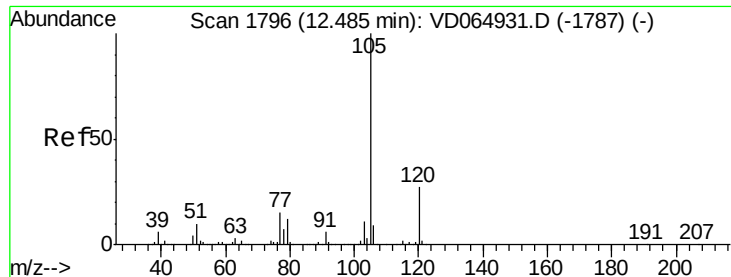
115 54.3 28.1 84.4

150 199.4 0.0 350.4



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: 139.04 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

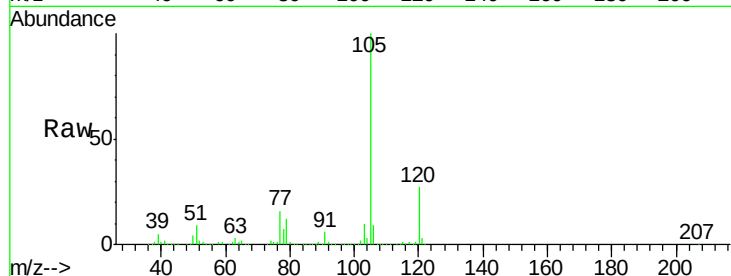
VSTDIC150

Tgt Ion:105 Resp: 3294981

Ion Ratio Lower Upper

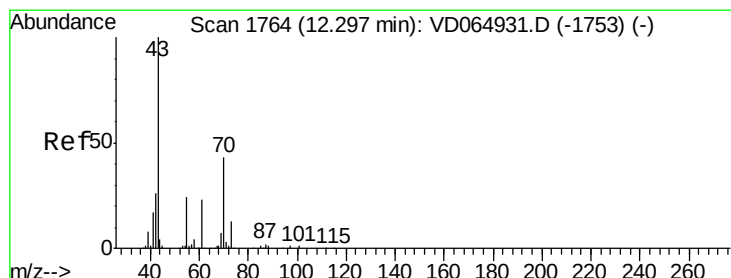
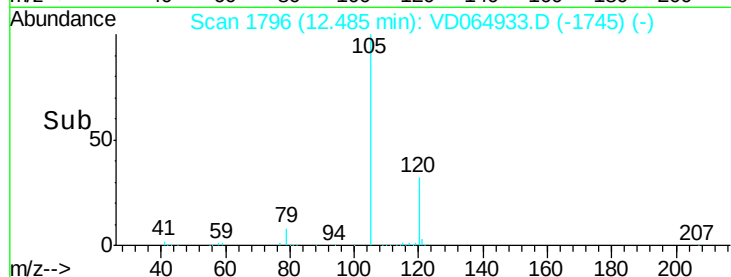
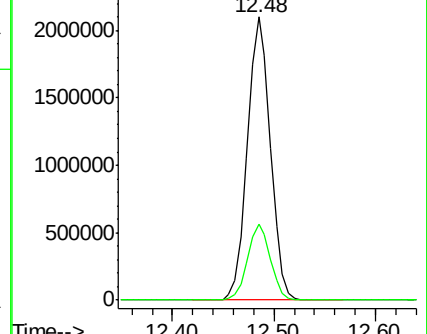
105 100

120 26.6 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 144.82 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Tgt Ion: 43 Resp: 752039

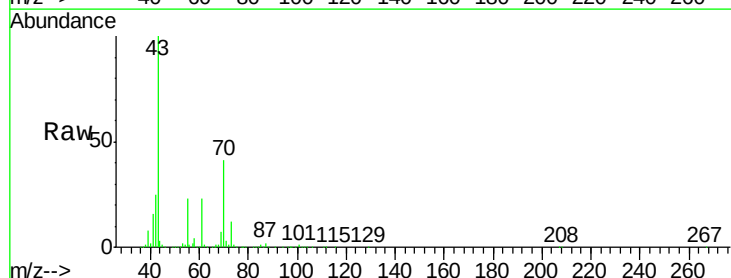
Ion Ratio Lower Upper

43 100

70 41.7 32.6 49.0

55 23.4 19.9 29.9

61 23.4 18.3 27.5

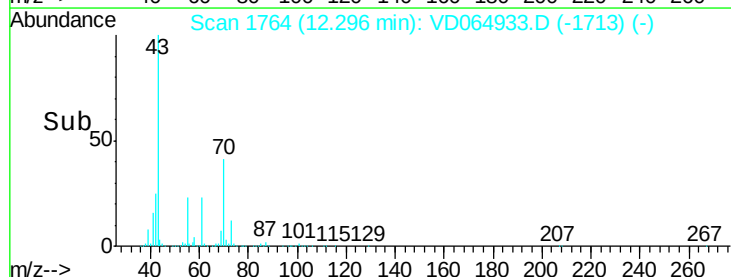
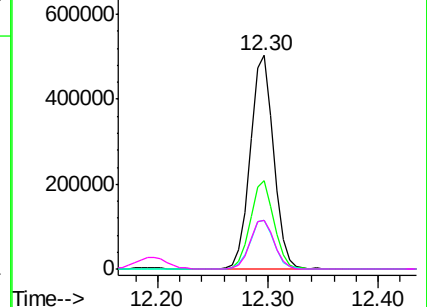


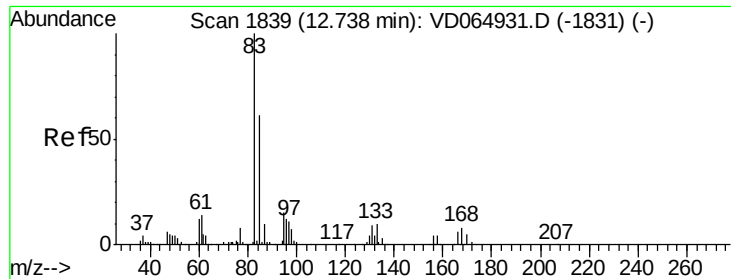
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 126.49 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

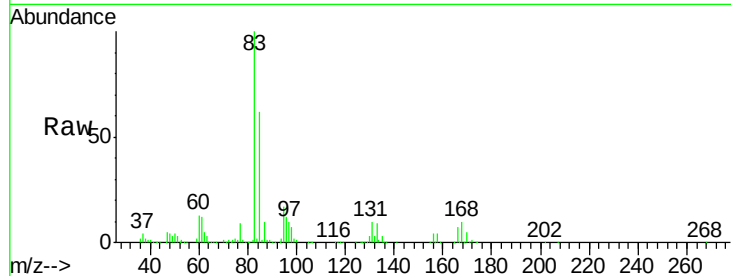
Tgt Ion: 83 Resp: 507122

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.4

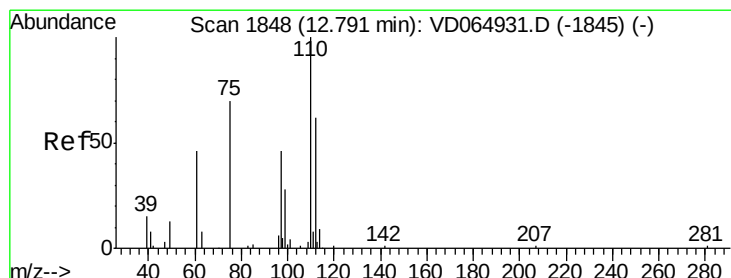
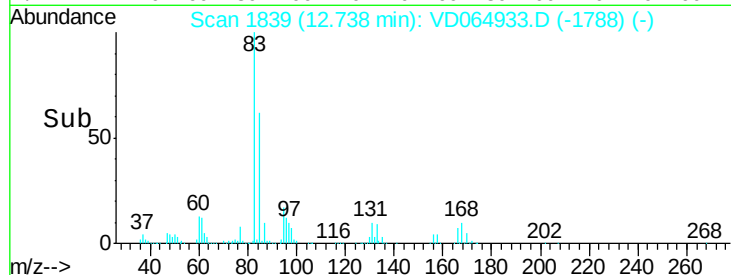
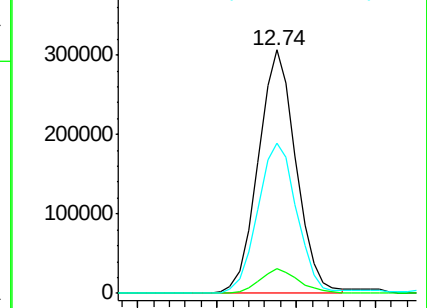
85 64.0 31.6 94.7



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: 223.80 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD064933.D

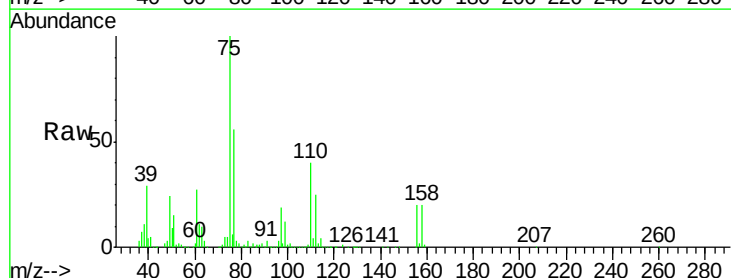
Acq: 23 Jan 2020 13:17

Tgt Ion: 75 Resp: 709331

Ion Ratio Lower Upper

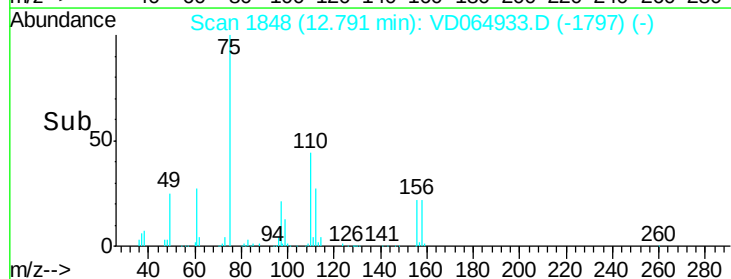
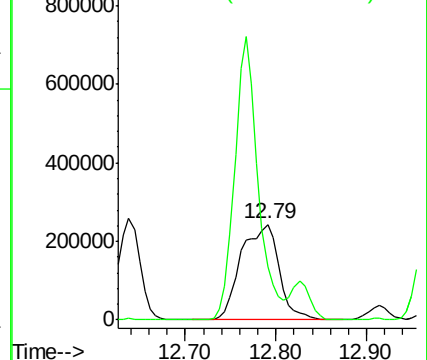
75 100

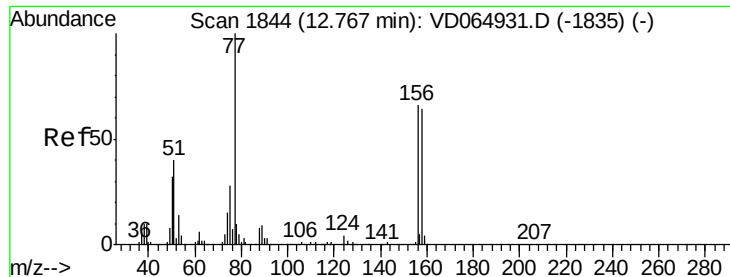
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 133.40 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

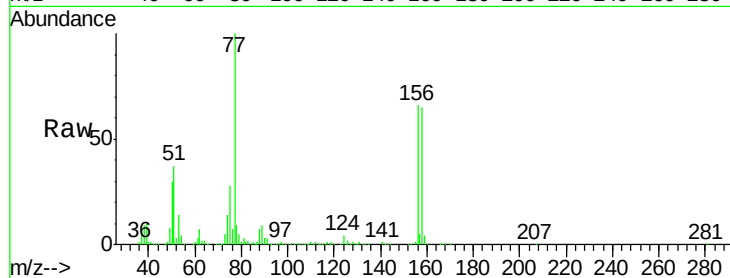
Tgt Ion:156 Resp: 775854

Ion Ratio Lower Upper

156 100

77 167.7 84.2 252.5

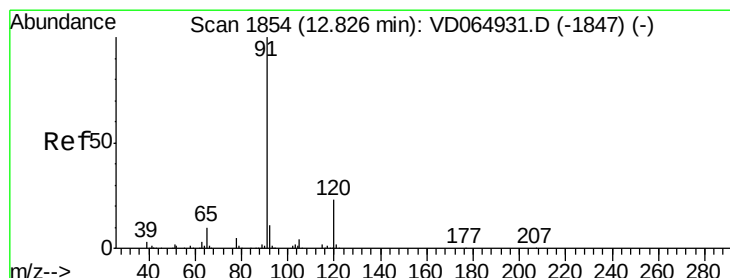
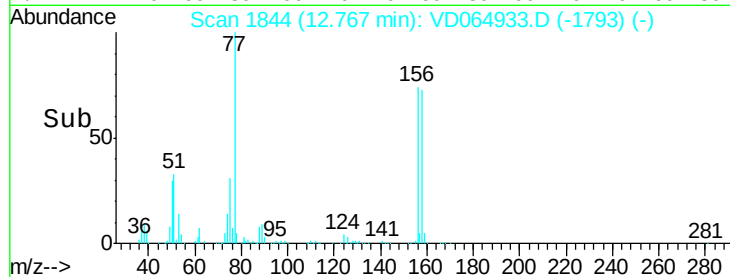
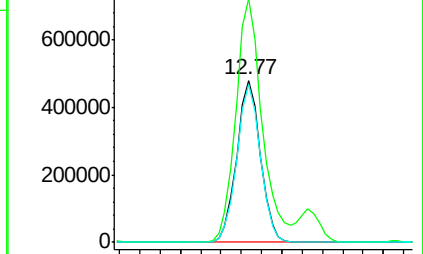
158 97.2 48.1 144.4



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: 137.47 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064933.D

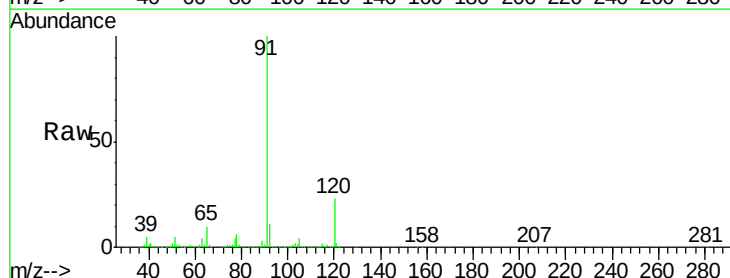
Acq: 23 Jan 2020 13:17

Tgt Ion: 91 Resp: 3851037

Ion Ratio Lower Upper

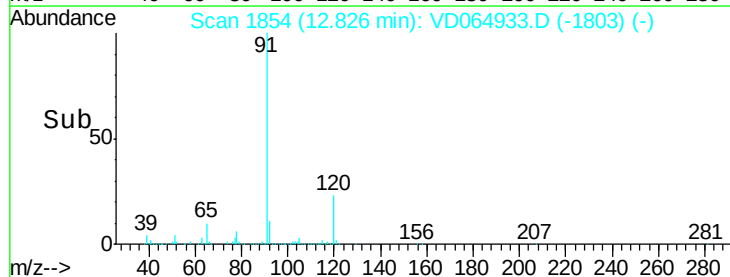
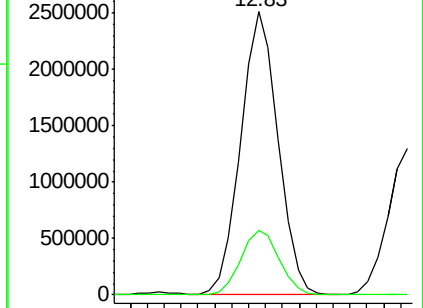
91 100

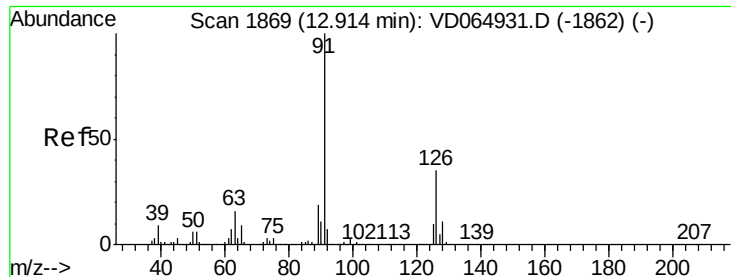
120 23.6 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 134.31 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

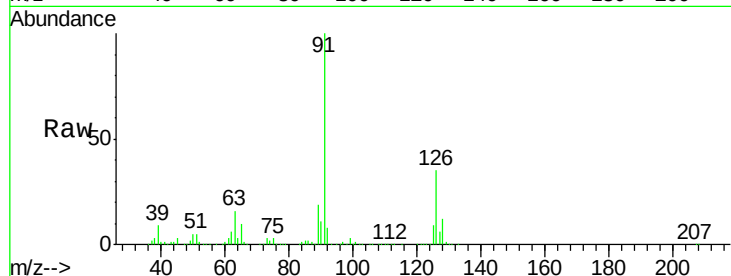
VSTDIC150

Tgt Ion: 91 Resp: 2088047

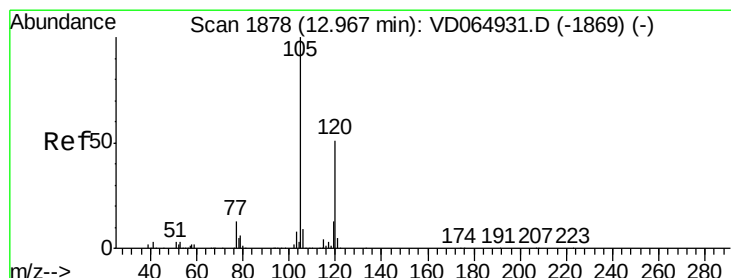
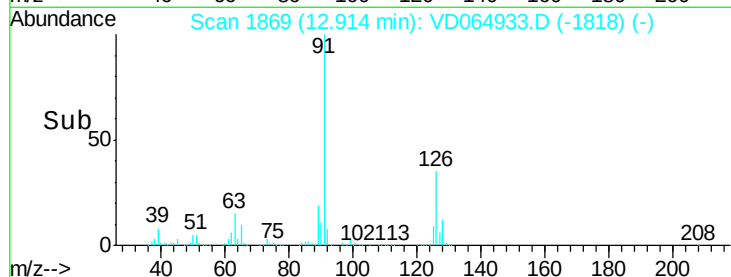
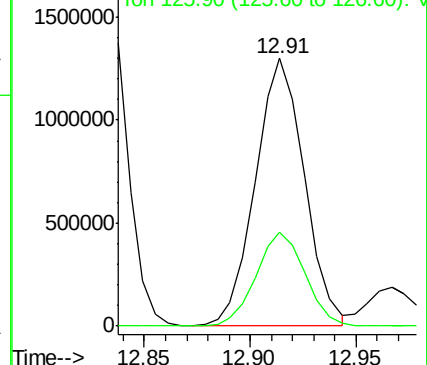
Ion Ratio Lower Upper

91 100

126 35.1 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VD064933.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 138.81 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD064933.D

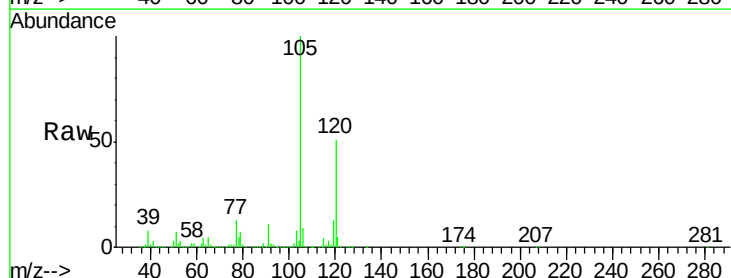
Acq: 23 Jan 2020 13:17

Tgt Ion: 105 Resp: 2688222

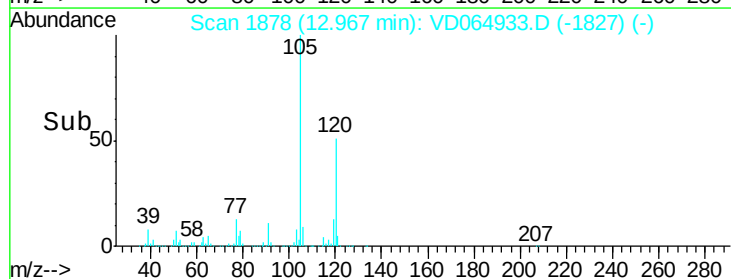
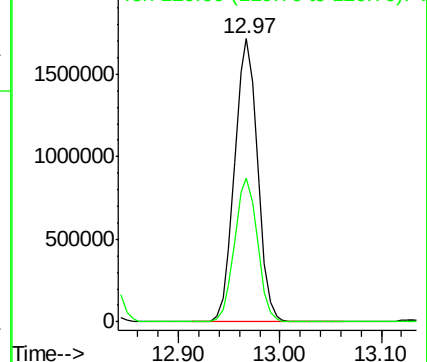
Ion Ratio Lower Upper

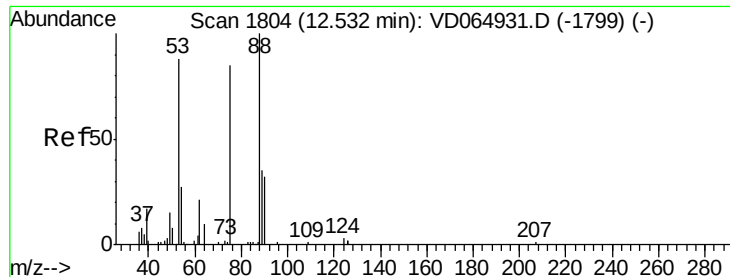
105 100

120 50.9 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VD064933.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 138.56 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

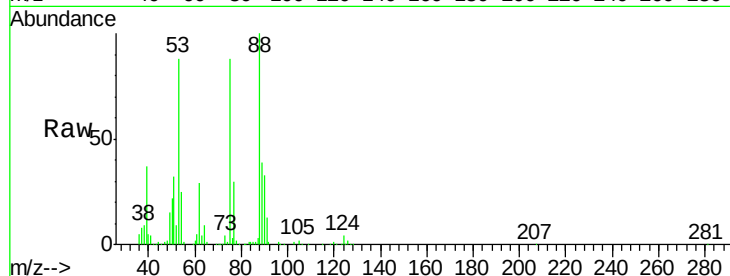
Tgt Ion: 75 Resp: 185710

Ion Ratio Lower Upper

75 100

53 97.6 81.0 121.4

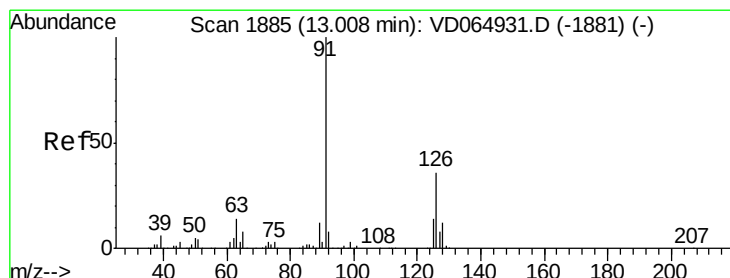
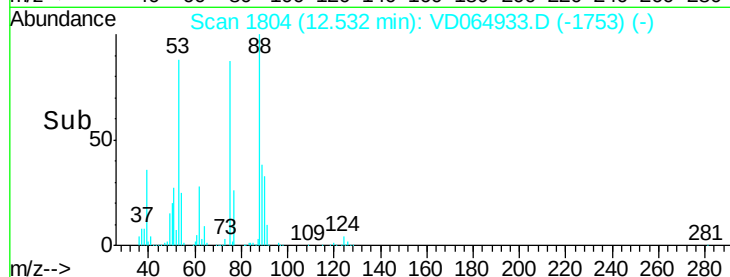
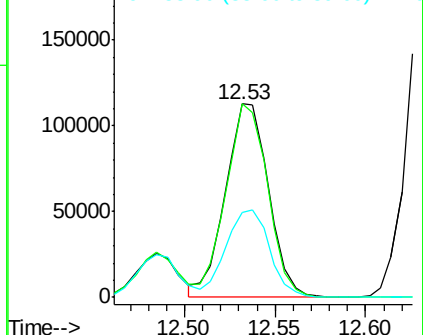
89 45.7 36.2 54.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 135.02 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064933.D

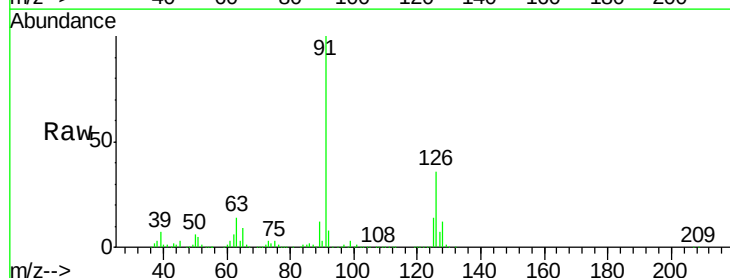
Acq: 23 Jan 2020 13:17

Tgt Ion: 91 Resp: 2219592

Ion Ratio Lower Upper

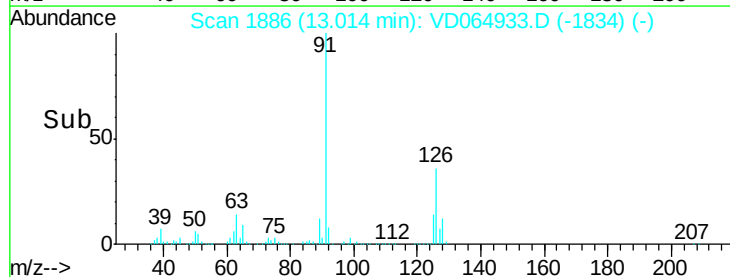
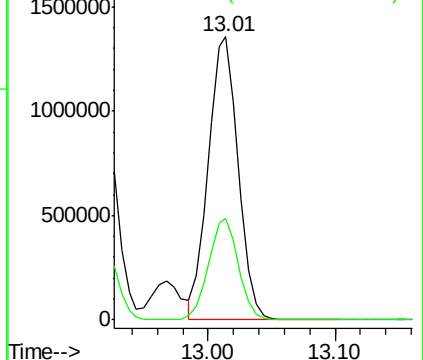
91 100

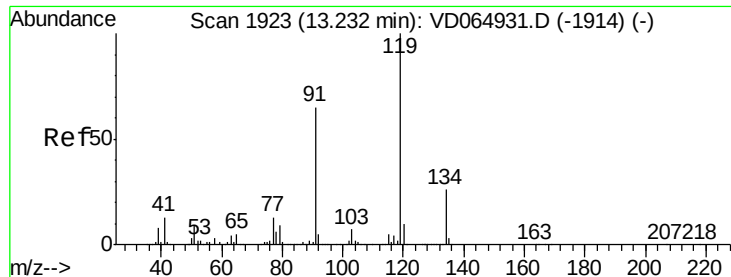
126 35.9 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

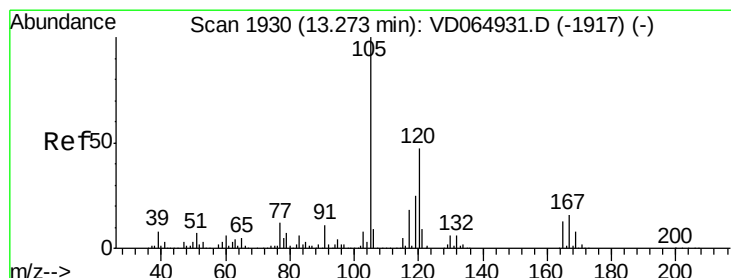
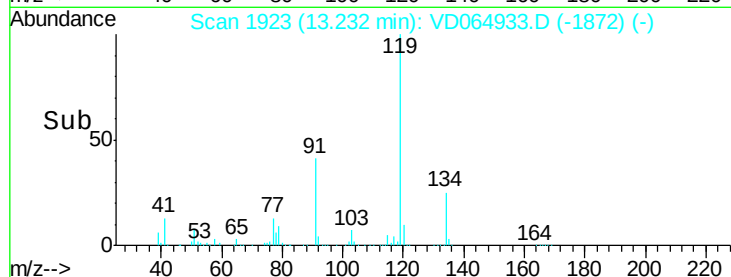
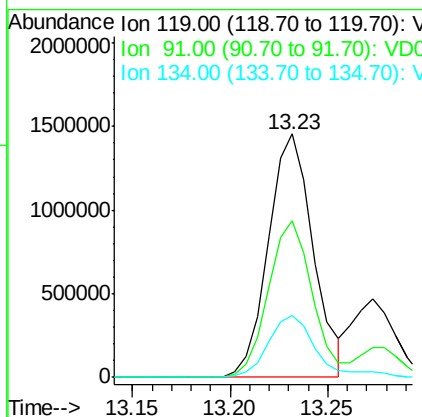
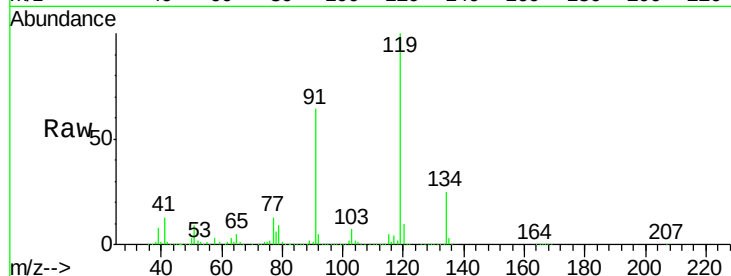




#83
 tert-Butylbenzene
 Concen: 140.46 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

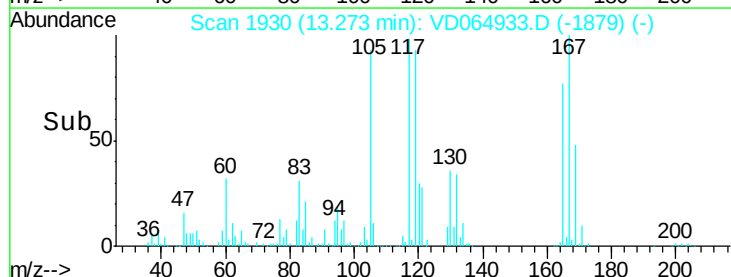
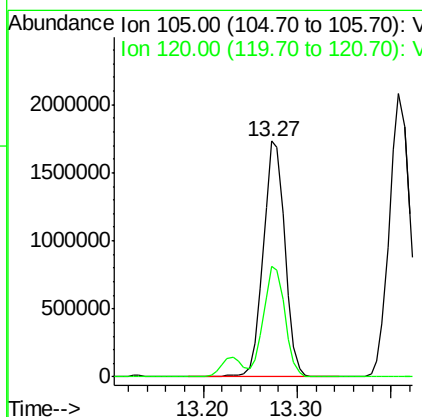
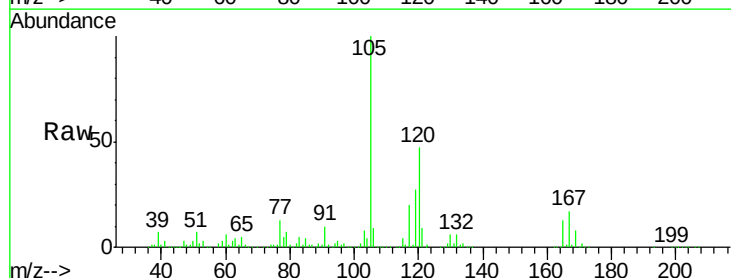
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

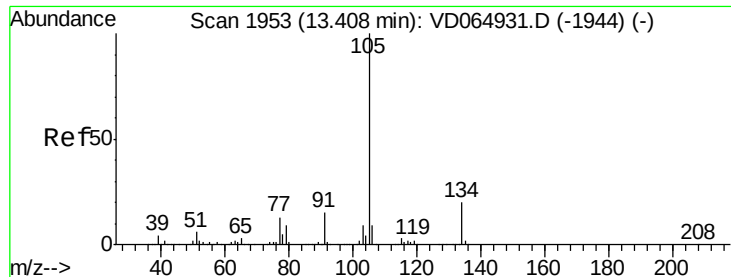
Tgt Ion:119 Resp: 2314439
 Ion Ratio Lower Upper
 119 100
 91 63.9 32.0 96.0
 134 27.2 13.9 41.6



#84
 1,2,4-Trimethylbenzene
 Concen: 139.92 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

Tgt Ion:105 Resp: 2754192
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.1 69.3





#85

sec-Butylbenzene

Concen: 138.94 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

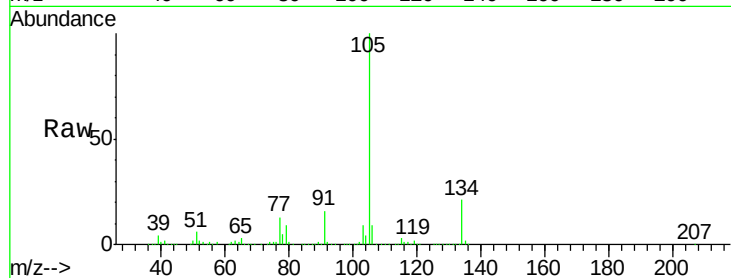
VSTDIC150

Tgt Ion:105 Resp: 3210368

Ion Ratio Lower Upper

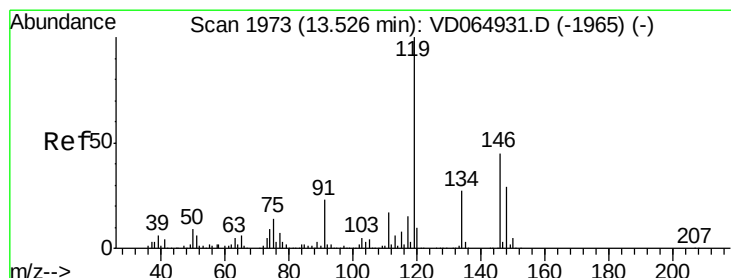
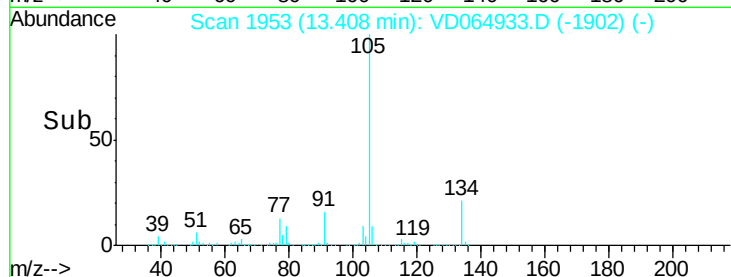
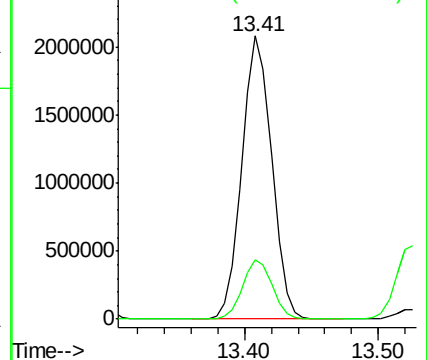
105 100

134 20.9 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 142.91 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

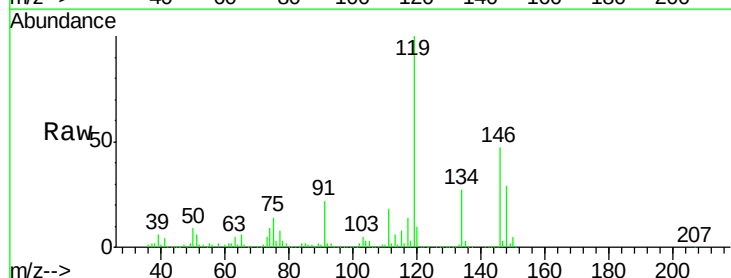
Tgt Ion:119 Resp: 3109060

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

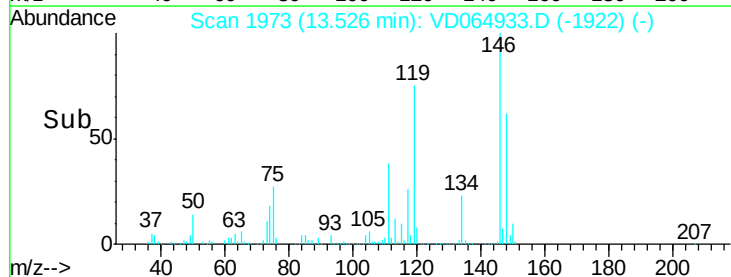
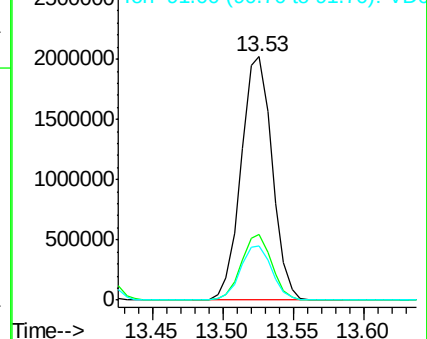
91 22.3 11.4 34.2

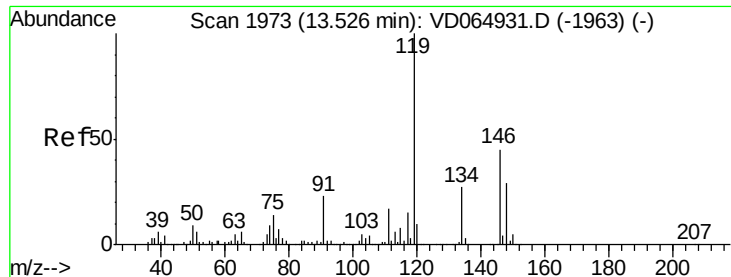


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

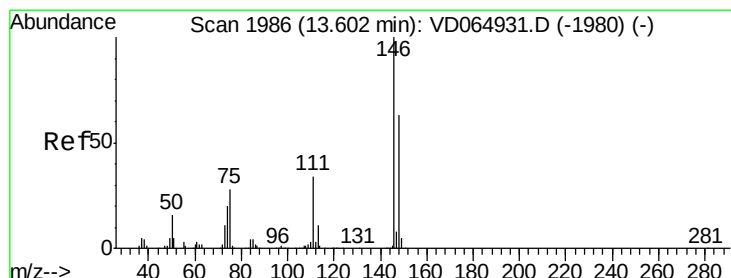
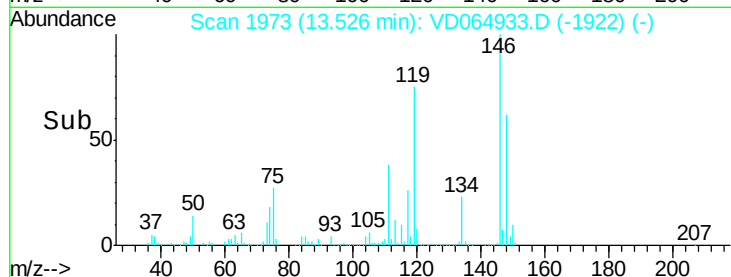
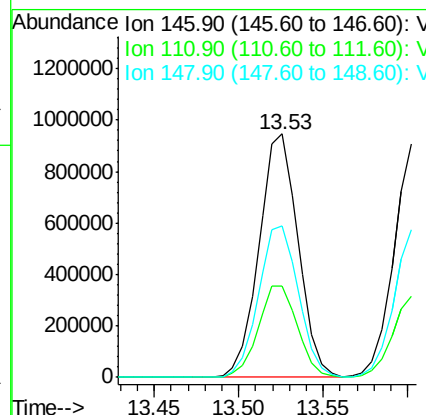
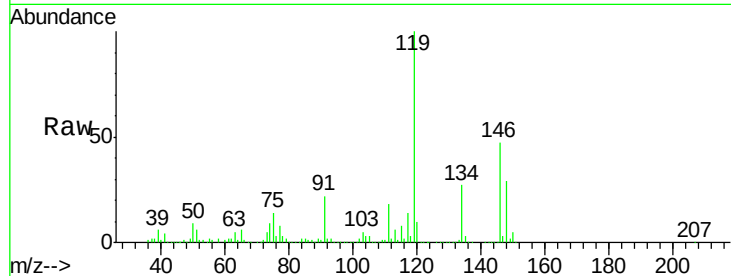




#87
 1,3-Dichlorobenzene
 Concen: 135.19 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

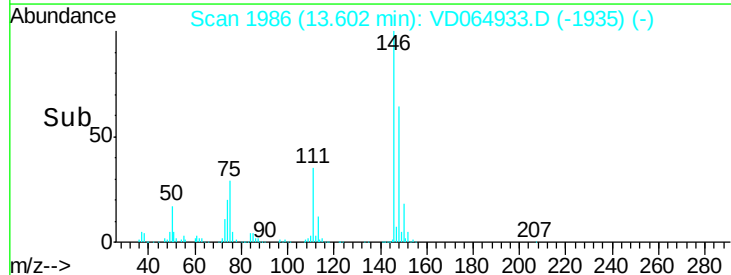
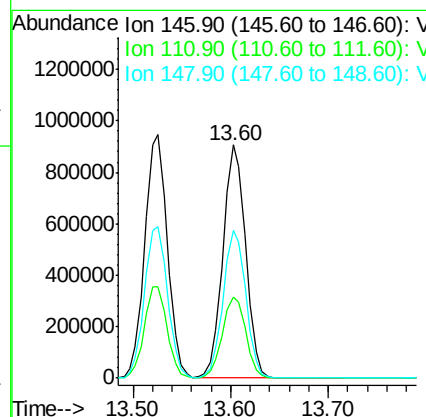
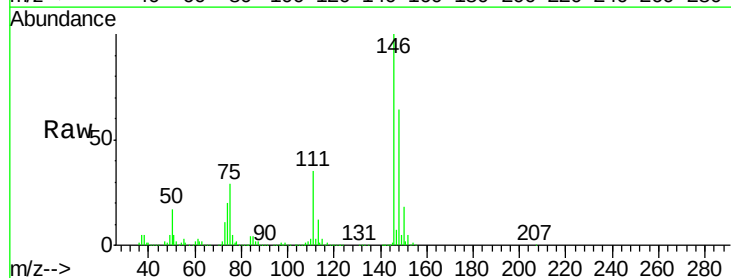
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

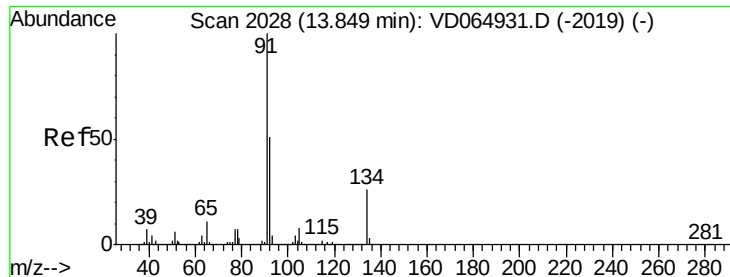
Tgt Ion:146 Resp: 1520431
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.9 56.9
 148 63.7 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 131.98 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

Tgt Ion:146 Resp: 1460053
 Ion Ratio Lower Upper
 146 100
 111 35.8 18.2 54.6
 148 63.5 32.0 96.0





#89

n-Butylbenzene

Concen: 141.63 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

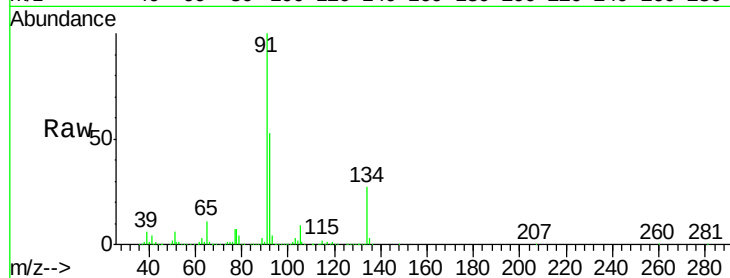
Tgt Ion: 91 Resp: 2799225

Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.4	79.0
134	26.8	13.3	39.9

91 100

92 53.8 26.4 79.0

134 26.8 13.3 39.9

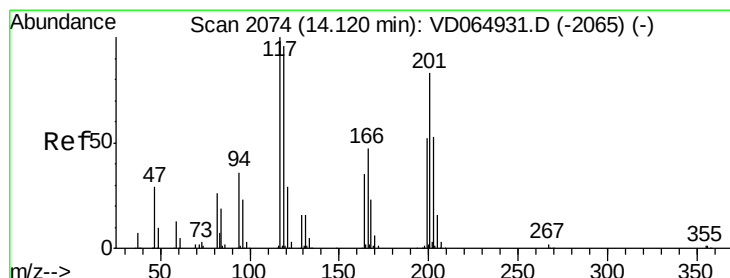
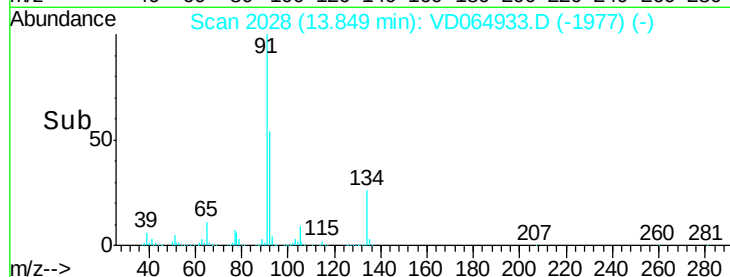
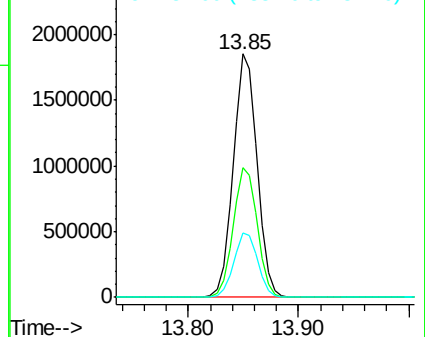


Abundance

Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.00 (133.70 to 134.70): VDC



#90

Hexachloroethane

Concen: 128.67 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VD064933.D

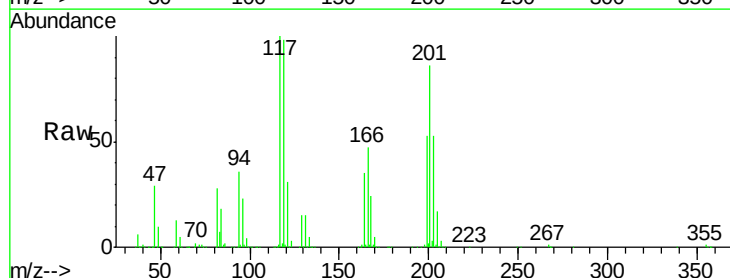
Acq: 23 Jan 2020 13:17

Tgt Ion: 117 Resp: 543913

Ion	Ratio	Lower	Upper
117	100		
201	85.2	41.1	123.3

117 100

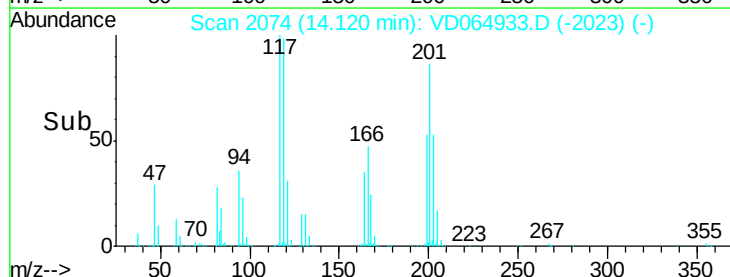
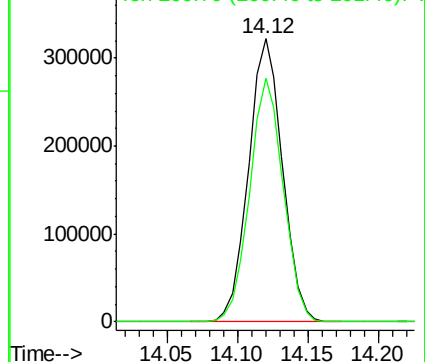
201 85.2 41.1 123.3

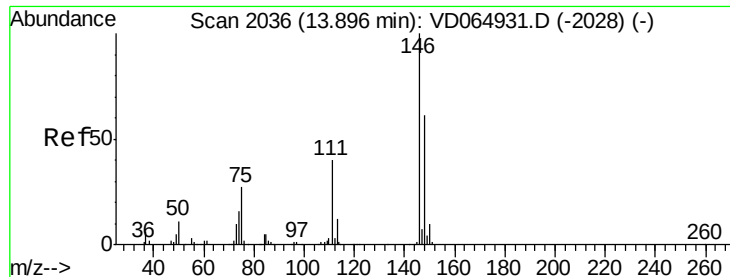


Abundance

Ion 116.80 (116.50 to 117.50): VDC

Ion 200.70 (200.40 to 201.40): VDC

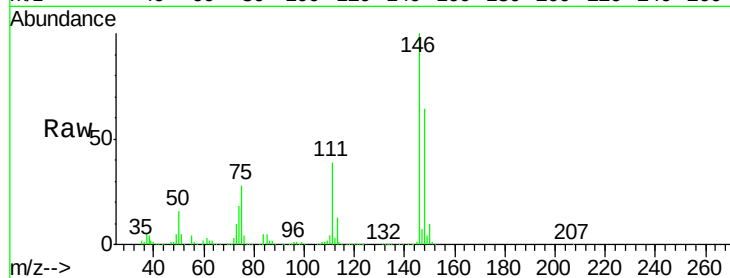




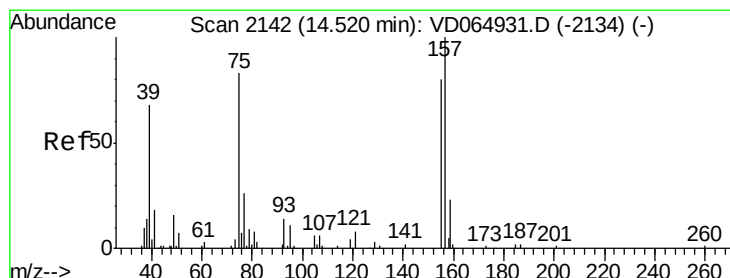
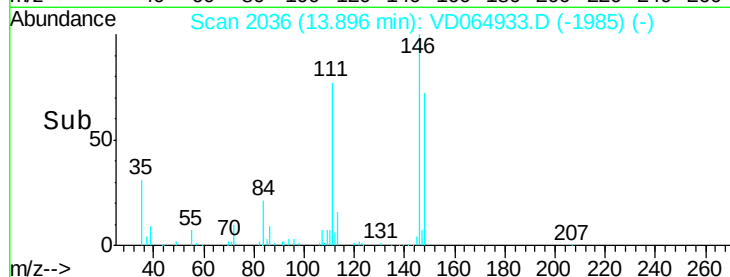
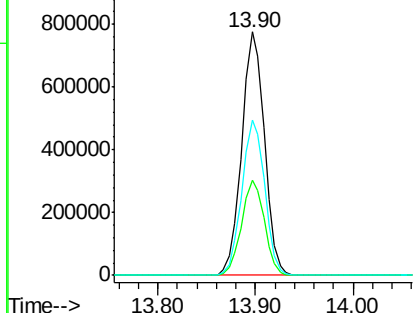
#91
 1,2-Dichlorobenzene
 Concen: 133.78 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion:146 Resp: 1260613
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.4 58.2
 148 64.2 31.6 95.0

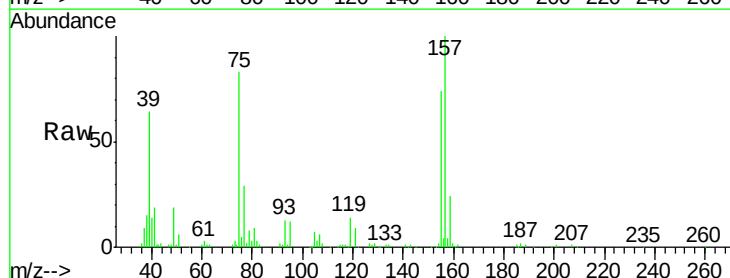


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

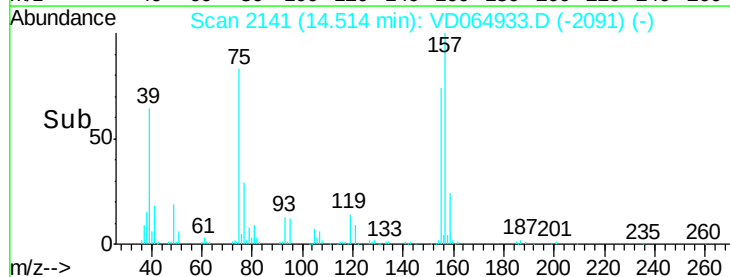
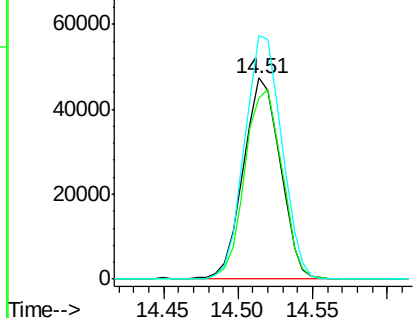


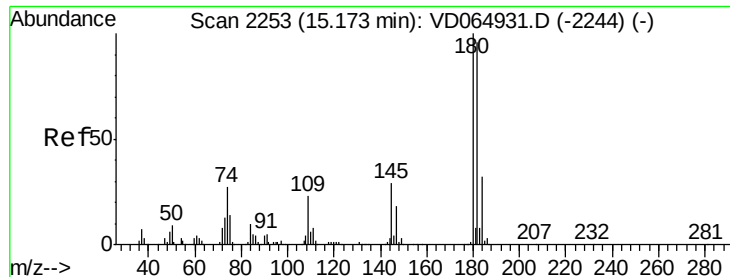
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 125.14 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

Tgt Ion: 75 Resp: 81349
 Ion Ratio Lower Upper
 75 100
 155 94.6 44.9 134.7
 157 121.4 58.9 176.6



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

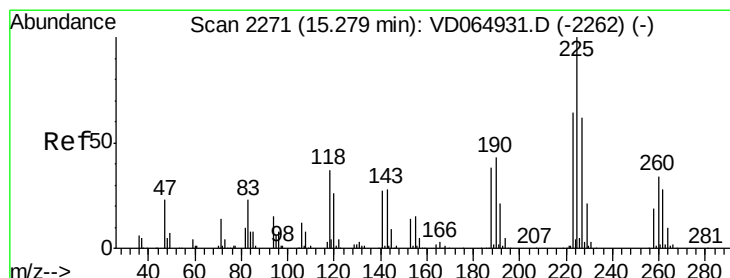
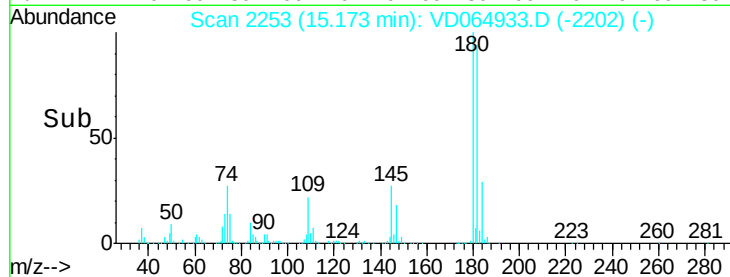
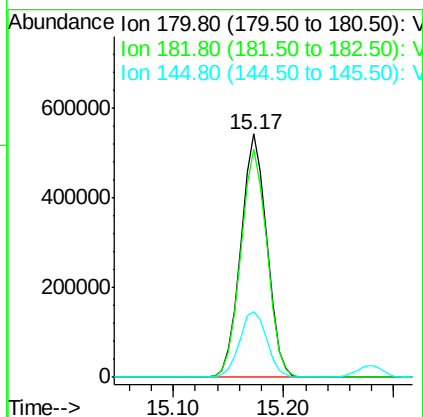
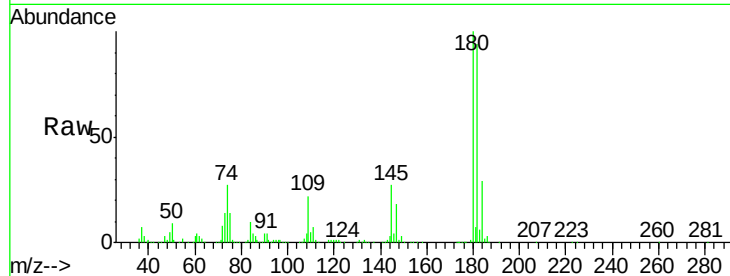




#93
 1,2,4-Trichlorobenzene
 Concen: 137.89 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

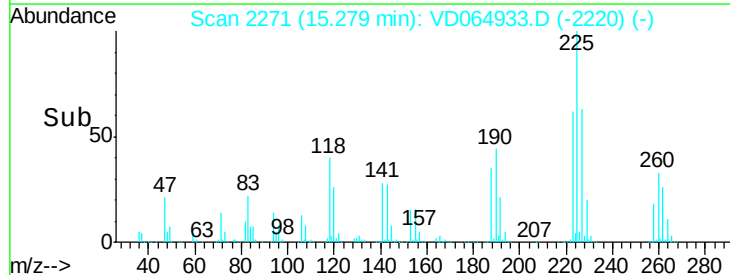
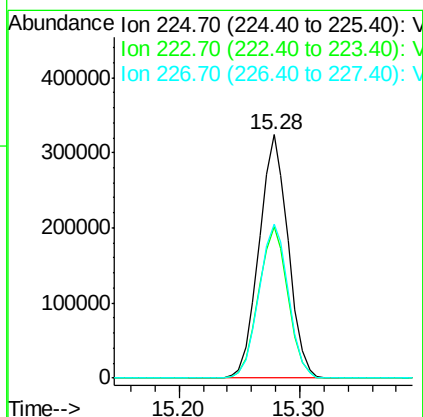
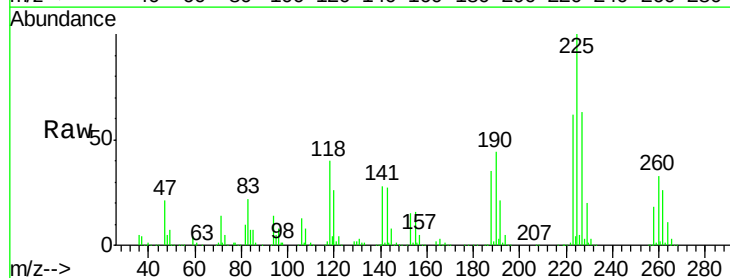
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

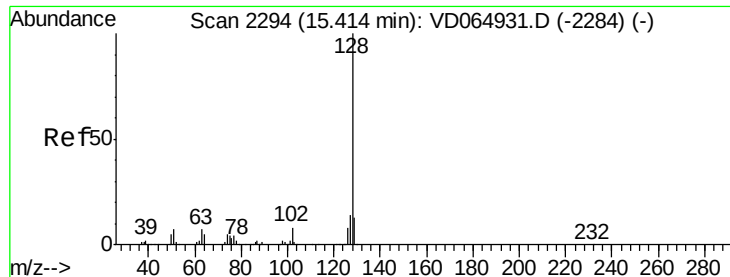
Tgt Ion:180 Resp: 901163
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.1 141.4
 145 28.6 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 130.83 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD064933.D
 Acq: 23 Jan 2020 13:17

Tgt Ion:225 Resp: 541398
 Ion Ratio Lower Upper
 225 100
 223 62.9 32.4 97.2
 227 64.3 31.9 95.9





#95

Naphthalene

Concen: 151.28 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

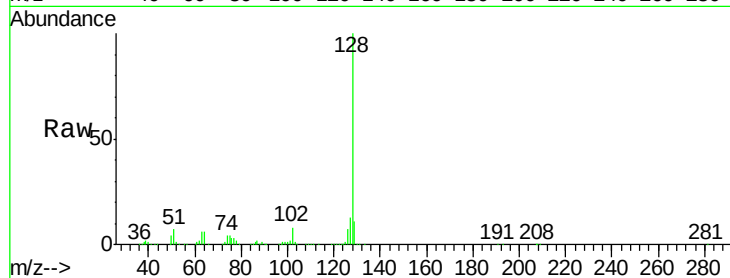
Tgt Ion:128 Resp: 1549756

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

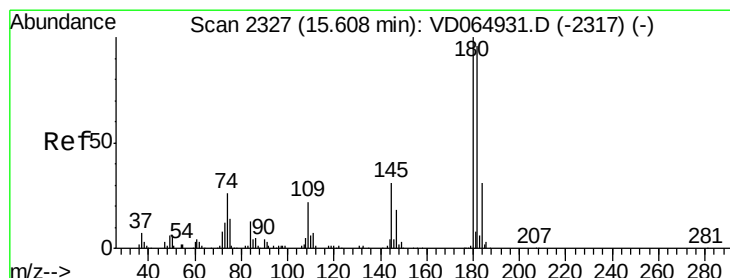
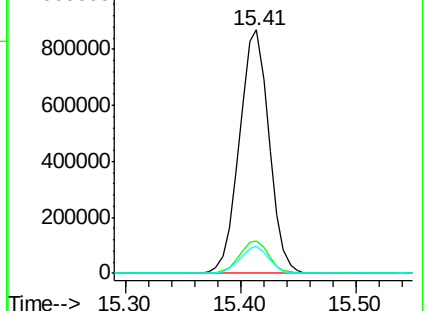
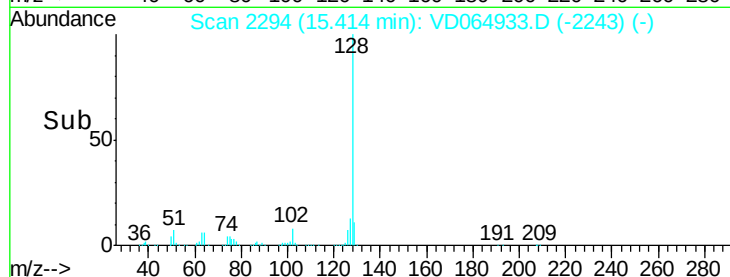
129 10.9 9.3 13.9



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: 135.47 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD064933.D

Acq: 23 Jan 2020 13:17

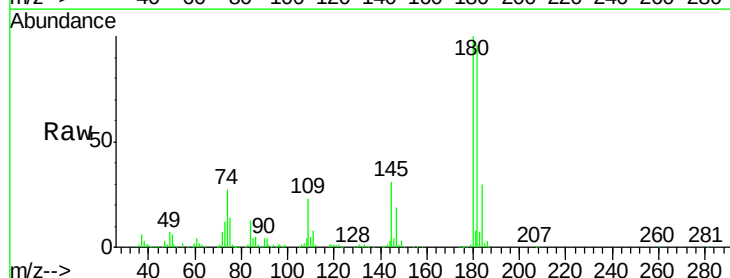
Tgt Ion:180 Resp: 765080

Ion Ratio Lower Upper

180 100

182 95.8 47.3 141.8

145 30.6 14.6 43.8



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

