

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD090220\
 Data File : VD066520.D
 Acq On : 02 Sep 2020 13:37
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Sep 02 14:07:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 02 14:03:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	171777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	237025	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	214195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	112102	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	276777	149.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.64%	
35) Dibromofluoromethane	7.91	113	214616	150.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.10%	
50) Toluene-d8	10.34	98	786812	146.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	293.98%	
62) 4-Bromofluorobenzene	12.63	95	276377	144.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	289.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	186122	127.009	ug/l	92
3) Chloromethane	2.21	50	119738	135.916	ug/l	97
4) Vinyl Chloride	2.35	62	147366	137.170	ug/l	93
5) Bromomethane	2.74	94	124841	142.181	ug/l	100
6) Chloroethane	2.91	64	101534	140.476	ug/l	90
7) Trichlorofluoromethane	3.27	101	456419	139.372	ug/l	96
8) Diethyl Ether	3.70	74	90806	147.946	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	191500	140.417	ug/l	96
10) Methyl Iodide	4.30	142	249477	164.972	ug/l	99
11) Tert butyl alcohol	5.23	59	67523	501.713	ug/l	95
12) 1,1-Dichloroethene	4.06	96	185073	144.404	ug/l	94
13) Acrolein	3.92	56	42524	708.676	ug/l	95
14) Allyl chloride	4.71	41	217339	151.710	ug/l	100
15) Acrylonitrile	5.41	53	167256	759.887	ug/l	95
16) Acetone	4.15	43	183553	671.839	ug/l	94
17) Carbon Disulfide	4.41	76	529231	142.894	ug/l #	95
18) Methyl Acetate	4.71	43	66556	151.568	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	505856	151.269	ug/l	97
20) Methylene Chloride	4.96	84	191918	120.366	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	211391	144.201	ug/l	93
22) Diisopropyl ether	6.36	45	418138	145.631	ug/l	99
23) Vinyl Acetate	6.30	43	1395398	755.939	ug/l	98
24) 1,1-Dichloroethane	6.26	63	324390	143.850	ug/l	97
25) 2-Butanone	7.21	43	202968	717.761	ug/l	97
26) 2,2-Dichloropropane	7.21	77	398613	139.504	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	234351	147.415	ug/l	97
28) Bromochloromethane	7.54	49	99838	153.032	ug/l #	97
29) Tetrahydrofuran	7.56	42	112268	772.308	ug/l	97
30) Chloroform	7.71	83	415487	142.690	ug/l	99
31) Cyclohexane	7.98	56	246604	126.571	ug/l	90
32) 1,1,1-Trichloroethane	7.90	97	459075	141.563	ug/l	99
36) 1,1-Dichloropropene	8.11	75	295898	142.412	ug/l	98
37) Ethyl Acetate	7.29	43	89558	143.594	ug/l	97
38) Carbon Tetrachloride	8.09	117	443738	140.192	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	338730	139.539	ug/l	96
40) Benzene	8.34	78	763430	142.436	ug/l	98
41) Methacrylonitrile	7.55	41	141251	397.775	ug/l #	7
42) 1,2-Dichloroethane	8.42	62	330725	145.858	ug/l	98
43) Isopropyl Acetate	8.45	43	197179	150.921	ug/l	99
44) Trichloroethene	9.11	130	258187	139.563	ug/l	89
45) 1,2-Dichloropropane	9.38	63	154137	144.939	ug/l	97
46) Dibromomethane	9.47	93	113220	145.421	ug/l	96
47) Bromodichloromethane	9.66	83	330915	143.006	ug/l	99
48) Methyl methacrylate	9.45	41	101247	152.065	ug/l	94
49) 1,4-Dioxane	9.46	88	23894	2624.282	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	442336	736.292	ug/l	100
52) Toluene	10.40	92	540874	141.871	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	317411	150.137	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	323375	145.191	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	141283	143.610	ug/l	96
56) Ethyl methacrylate	10.66	69	173541	149.888	ug/l	99
57) 1,3-Dichloropropane	10.94	76	242121	149.027	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.94	63	309125	683.971	ug/l	99
59) 2-Hexanone	10.98	43	317445	731.635	ug/l	99
60) Dibromochloromethane	11.14	129	236562	145.414	ug/l	99
61) 1,2-Dibromoethane	11.25	107	144934	144.527	ug/l	100
64) Tetrachloroethene	10.87	164	238211	142.641	ug/l	99
65) Chlorobenzene	11.67	112	596556	141.562	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	257889	144.638	ug/l	99
67) Ethyl Benzene	11.74	91	1078260	145.254	ug/l	95
68) m/p-Xylenes	11.85	106	829832	288.925	ug/l	97
69) o-Xylene	12.18	106	385698	141.769	ug/l	99
70) Styrene	12.20	104	667993	143.414	ug/l	99
71) Bromoform	12.36	173	149162	152.522	ug/l #	95
73) Isopropylbenzene	12.48	105	1081795	144.419	ug/l	100
74) N-amyl acetate	12.29	43	174811	154.771	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	125926	142.264	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	206078	291.052	ug/l #	1
77) Bromobenzene	12.76	156	274099	144.196	ug/l	100
78) n-propylbenzene	12.82	91	1178528	144.382	ug/l	98
79) 2-Chlorotoluene	12.91	91	686728	145.405	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	949080	145.732	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	47863	151.145	ug/l	95
82) 4-Chlorotoluene	13.01	91	729736	143.851	ug/l	100
83) tert-Butylbenzene	13.23	119	805860	141.079	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	938427	144.075	ug/l	98
85) sec-Butylbenzene	13.40	105	1038489	143.509	ug/l	98
86) p-Isopropyltoluene	13.52	119	1048539	144.969	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	514162	145.841	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	515354	144.498	ug/l	99
89) n-Butylbenzene	13.85	91	859782	141.917	ug/l	99
90) Hexachloroethane	14.11	117	189676	146.134	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	450591	146.941	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	33311	142.298	ug/l	95

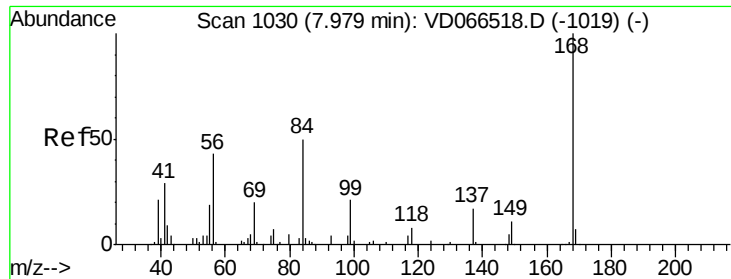
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD090220\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	355030	146.685	ug/l	98
94) Hexachlorobutadiene	15.27	225	226256	144.205	ug/l	99
95) Naphthalene	15.41	128	579889	154.129	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	307485	147.025	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

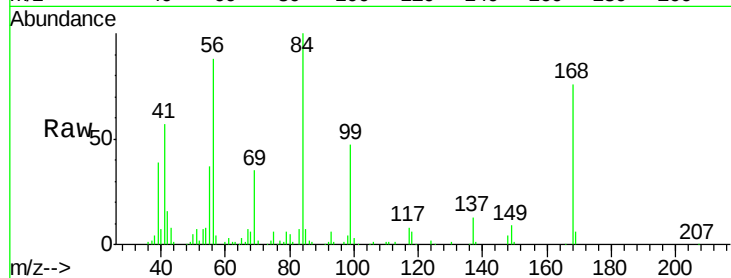
VSTDIC150

Tgt Ion:168 Resp: 171777

Ion Ratio Lower Upper

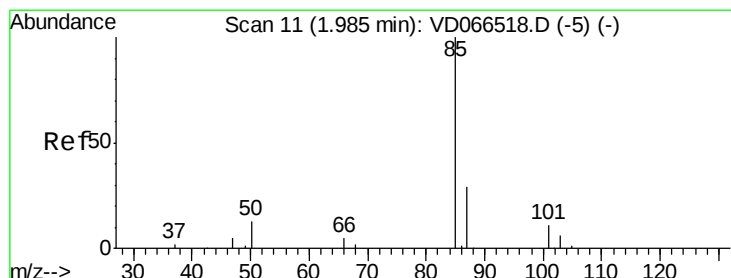
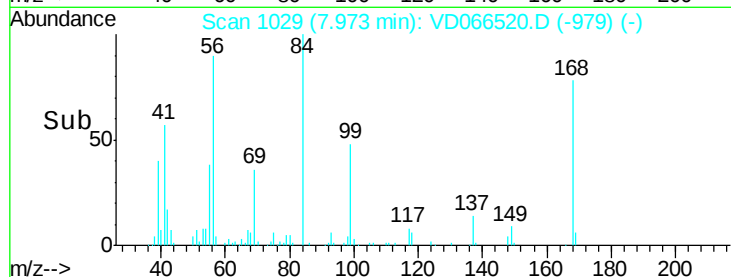
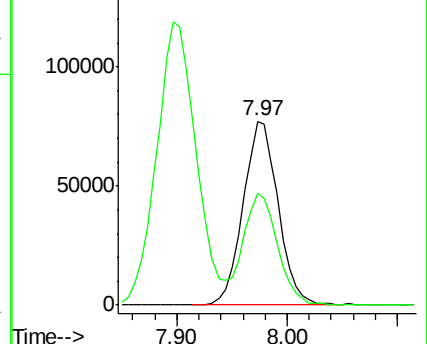
168 100

99 60.6 45.1 67.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 127.009 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066520.D

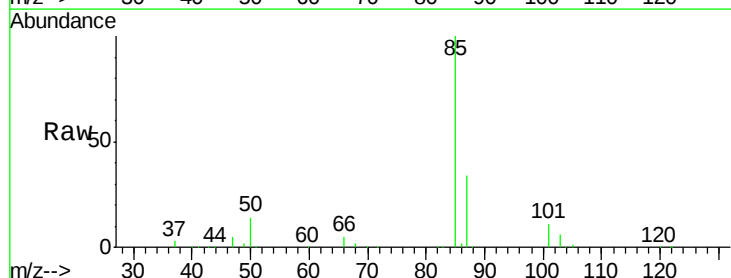
Acq: 02 Sep 2020 13:37

Tgt Ion: 85 Resp: 186122

Ion Ratio Lower Upper

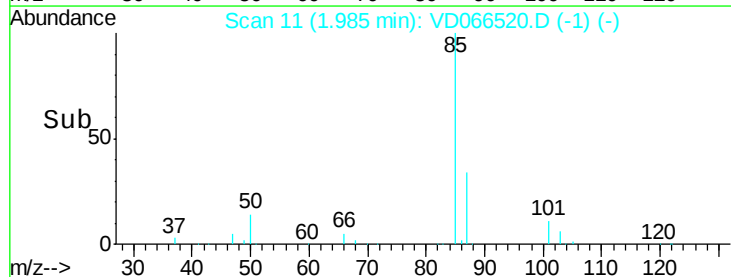
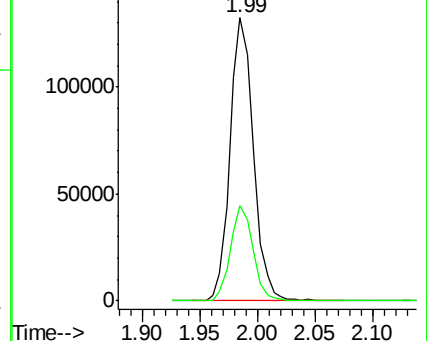
85 100

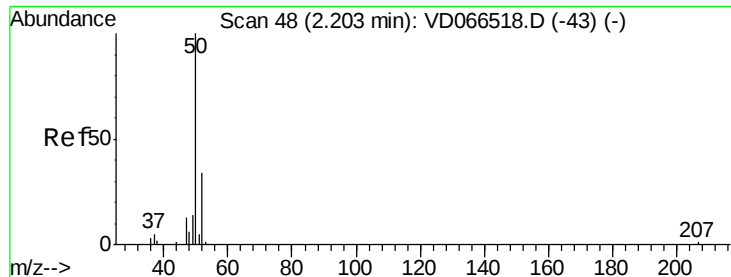
87 33.6 14.6 44.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 135.916 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

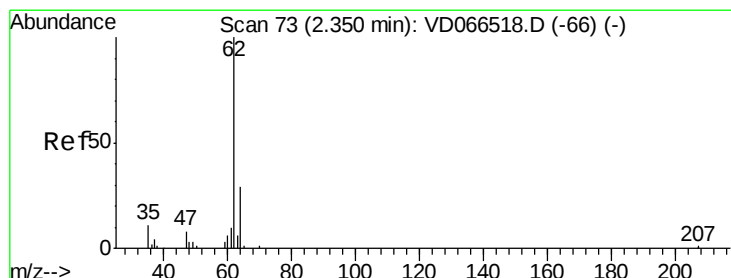
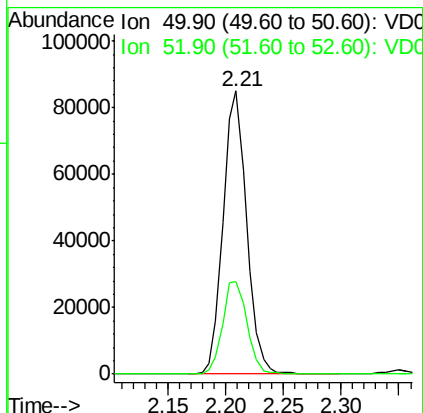
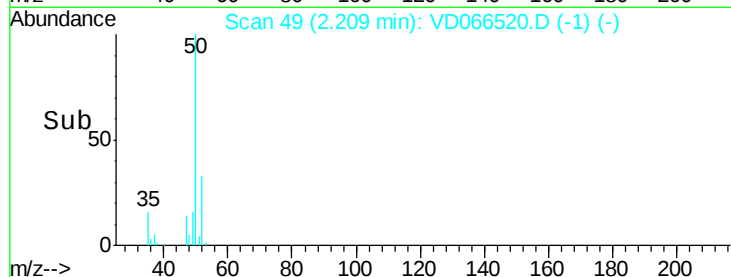
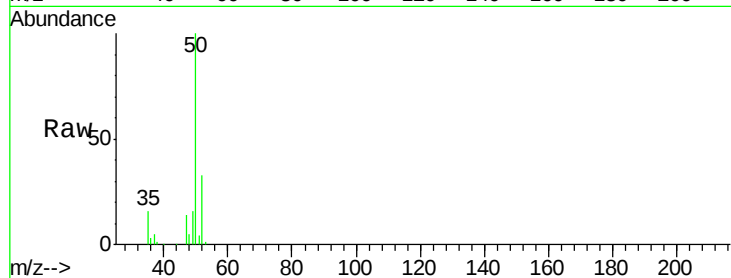
VSTDIC150

Tgt Ion: 50 Resp: 119738

Ion Ratio Lower Upper

50 100

52 32.9 27.6 41.4



#4

Vinyl Chloride

Concen: 137.170 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066520.D

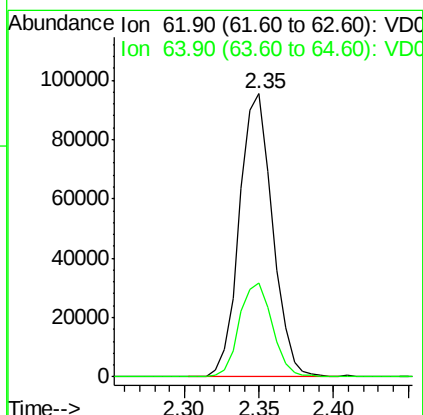
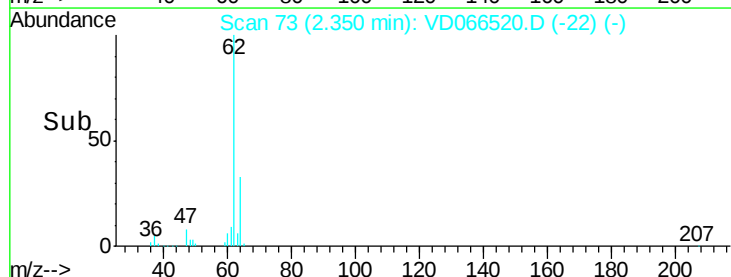
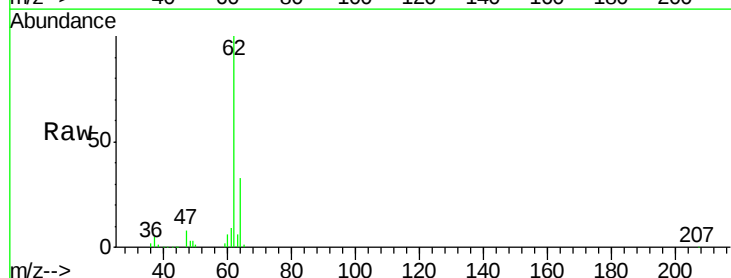
Acq: 02 Sep 2020 13:37

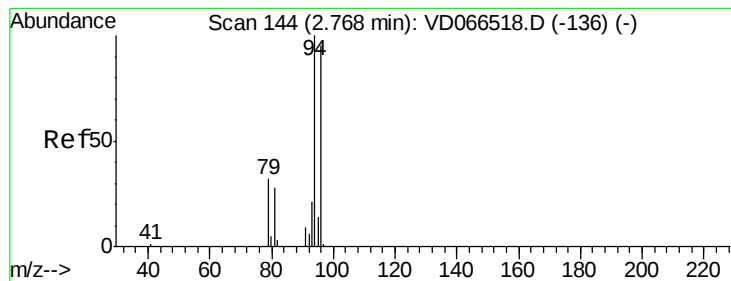
Tgt Ion: 62 Resp: 147366

Ion Ratio Lower Upper

62 100

64 33.3 23.4 35.2





#5

Bromomethane

Concen: 142.181 ug/l

RT: 2.74 min Scan# 140

Delta R.T. -0.02 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

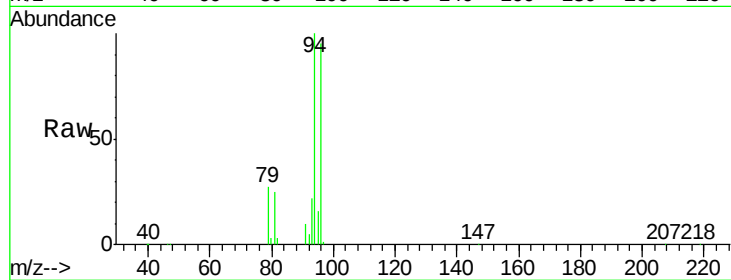
VSTDIC150

Tgt Ion: 94 Resp: 124841

Ion Ratio Lower Upper

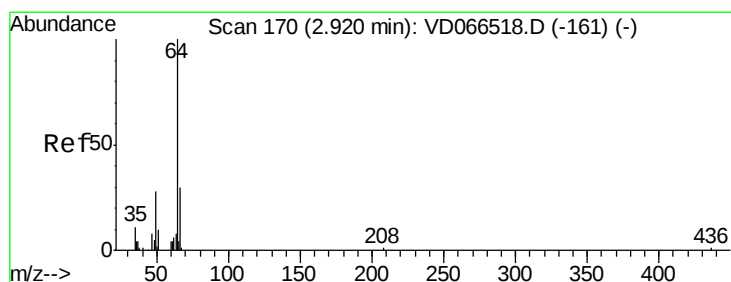
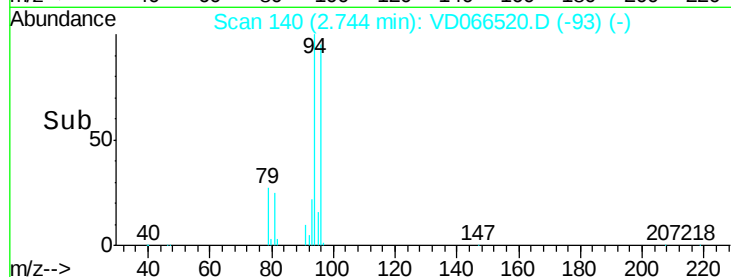
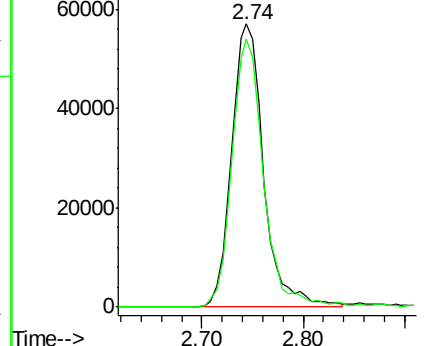
94 100

96 94.5 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 140.476 ug/l

RT: 2.91 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD066520.D

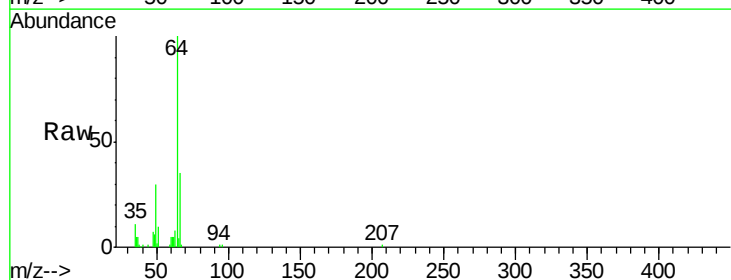
Acq: 02 Sep 2020 13:37

Tgt Ion: 64 Resp: 101534

Ion Ratio Lower Upper

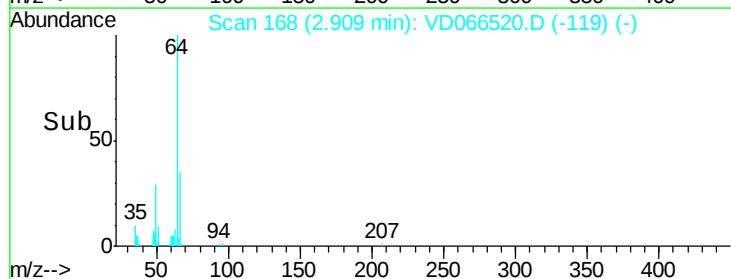
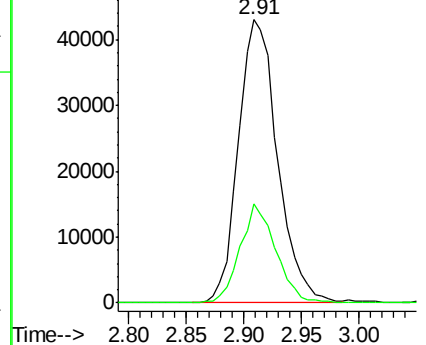
64 100

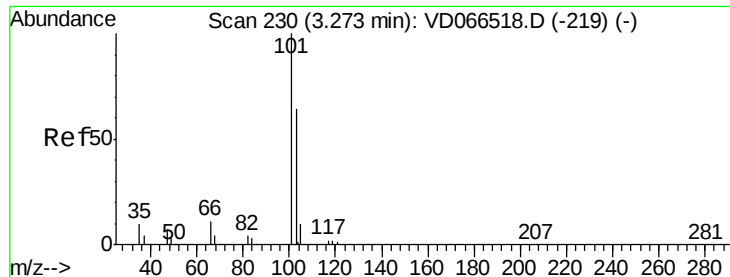
66 35.1 23.7 35.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



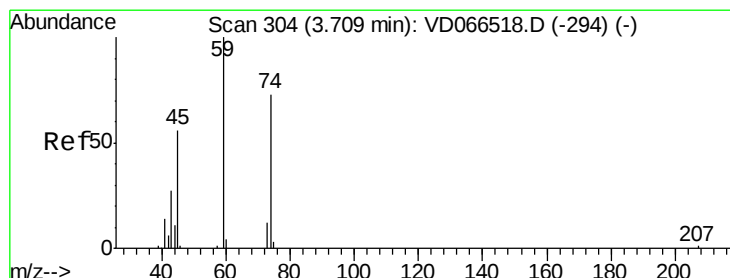
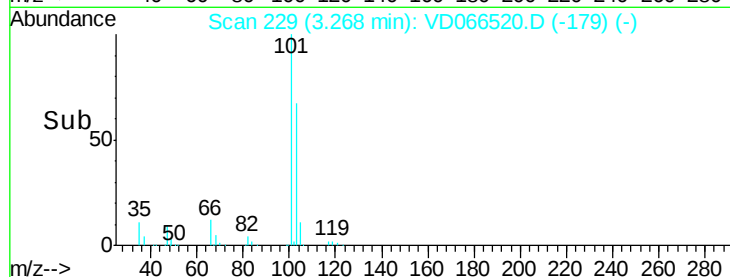
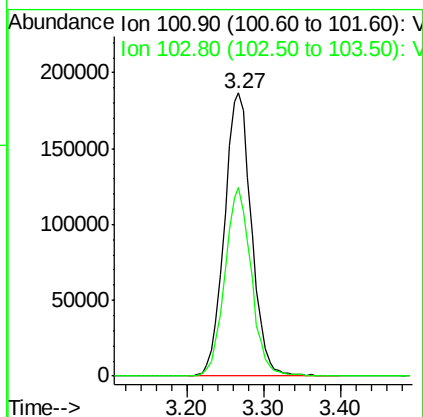
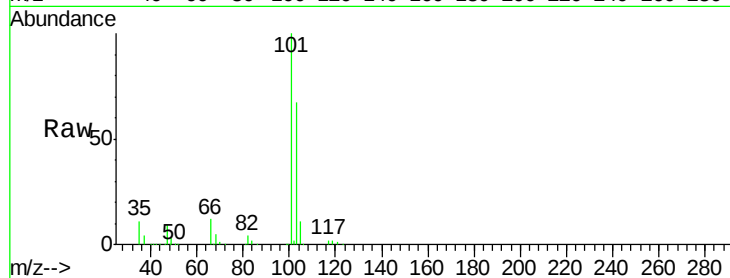


#7

Trichlorofluoromethane
 Concen: 139.372 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Instrument :
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 VSTDIC150

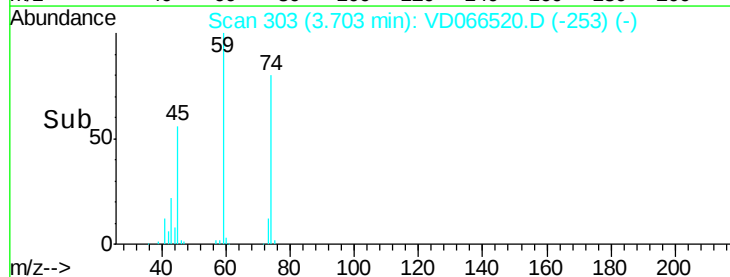
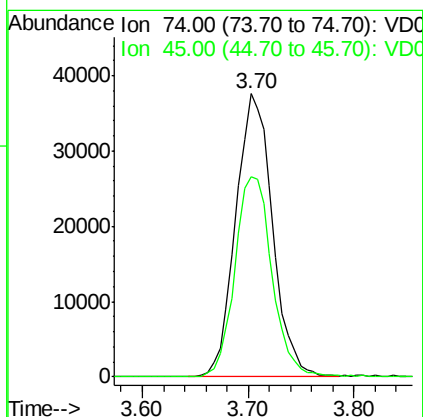
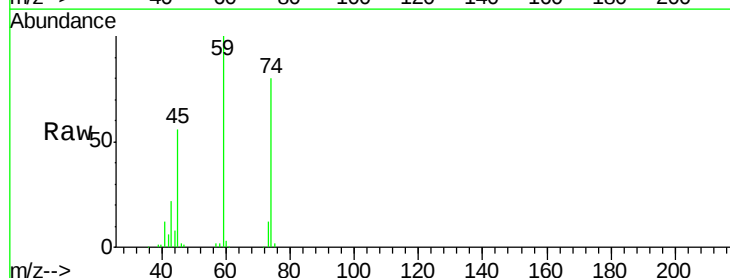
Tgt Ion: 101 Resp: 456419
 Ion Ratio Lower Upper
 101 100
 103 66.8 50.9 76.3

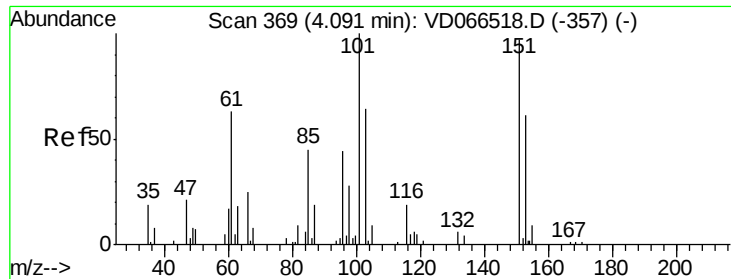


#8

Diethyl Ether
 Concen: 147.946 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Tgt Ion: 74 Resp: 90806
 Ion Ratio Lower Upper
 74 100
 45 71.2 38.6 115.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 140.417 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

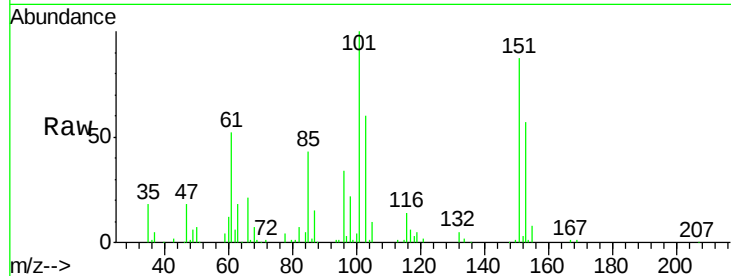
Tgt Ion:101 Resp: 191500

Ion Ratio Lower Upper

101 100

85 45.8 39.4 59.0

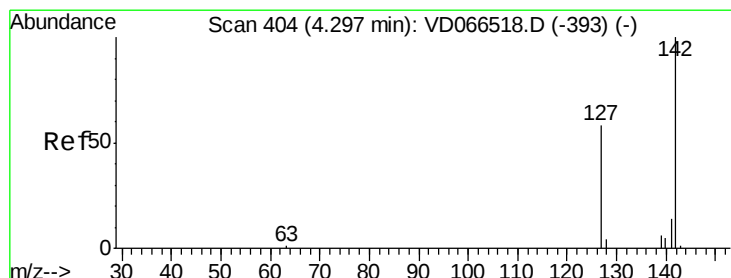
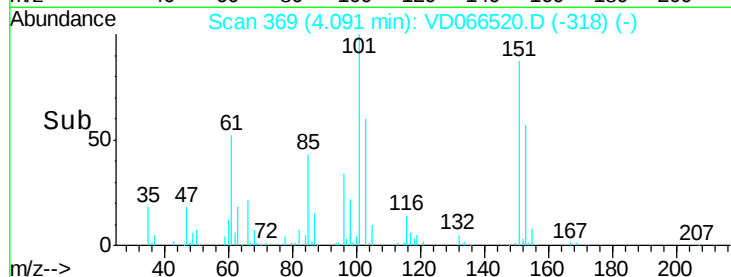
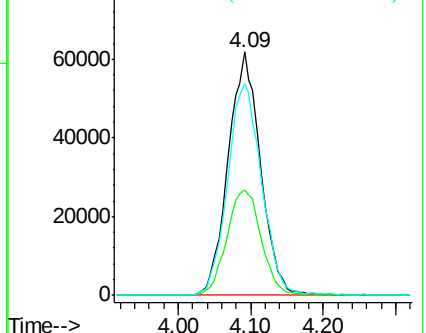
151 91.2 75.5 113.3



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: 164.972 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

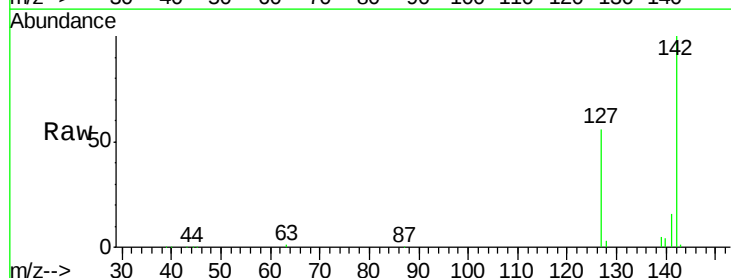
Tgt Ion:142 Resp: 249477

Ion Ratio Lower Upper

142 100

127 56.8 46.3 69.5

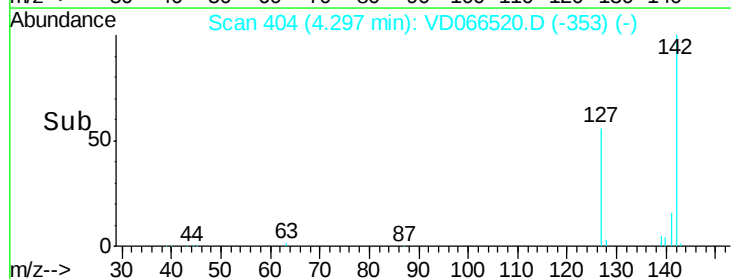
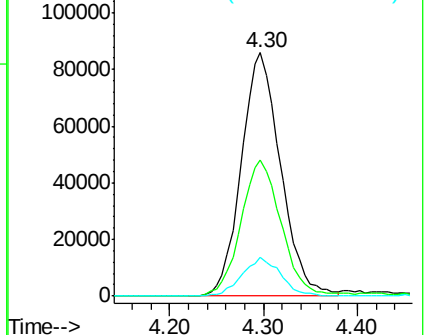
141 15.5 12.4 18.6

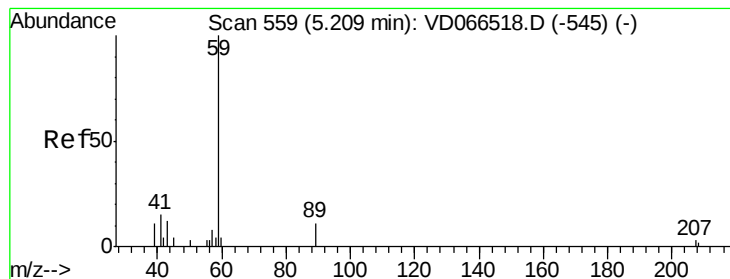


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 501.713 ug/l

RT: 5.23 min Scan# 562

Delta R.T. 0.02 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

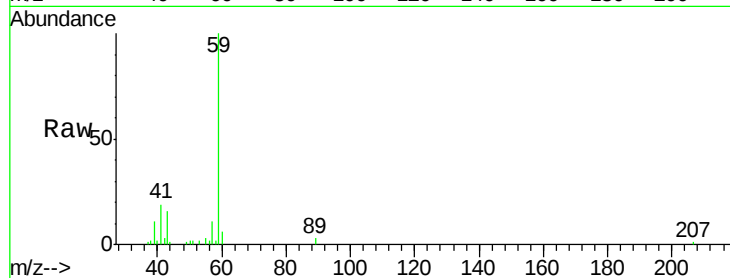
VSTDIC150

Tgt Ion: 59 Resp: 67523

Ion Ratio Lower Upper

59 100

57 10.2 6.8 10.2



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

20000

15000

10000

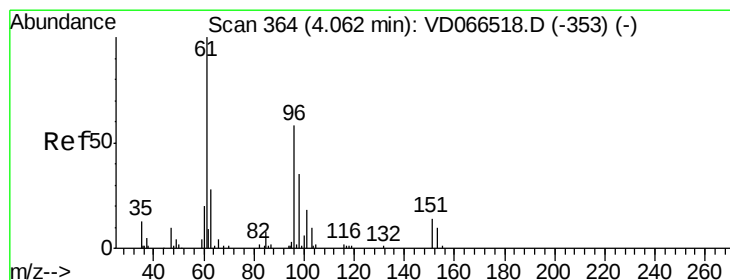
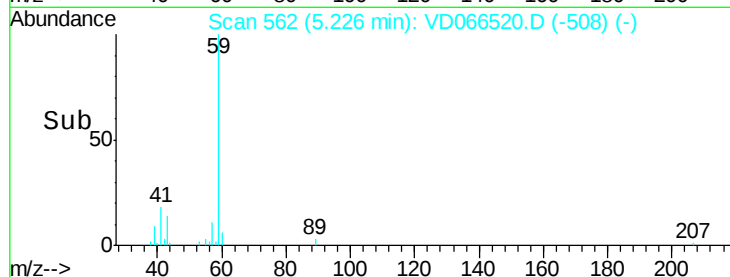
5000

0

Time-->

5.10 5.20 5.30

5.23



#12

1,1-Dichloroethene

Concen: 144.404 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

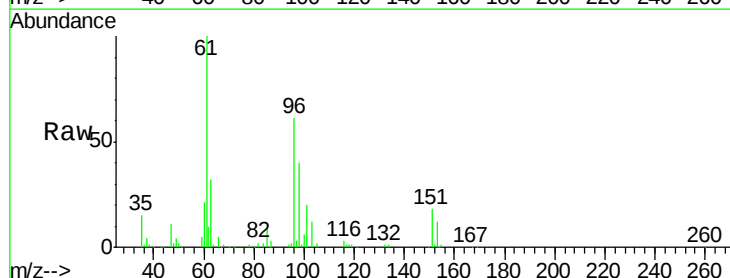
Tgt Ion: 96 Resp: 185073

Ion Ratio Lower Upper

96 100

61 164.8 137.5 206.3

98 66.6 47.8 71.6



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

150000

100000

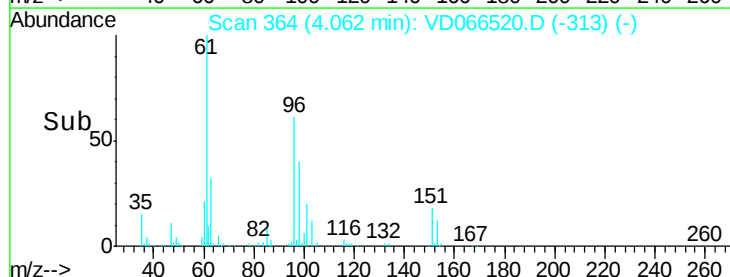
50000

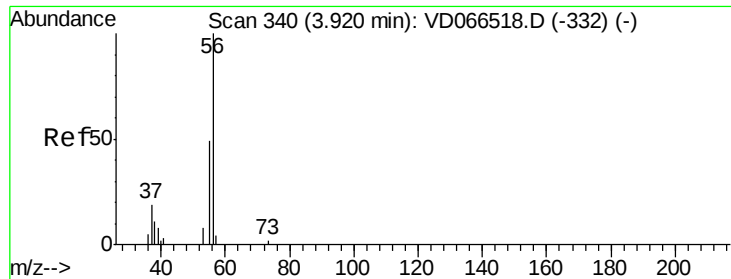
0

Time-->

4.00 4.10 4.20

4.06





#13

Acrolein

Concen: 708.676 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

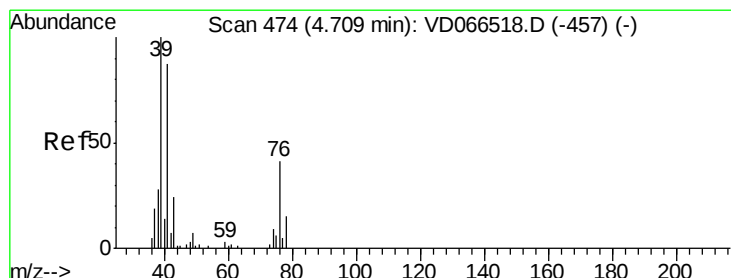
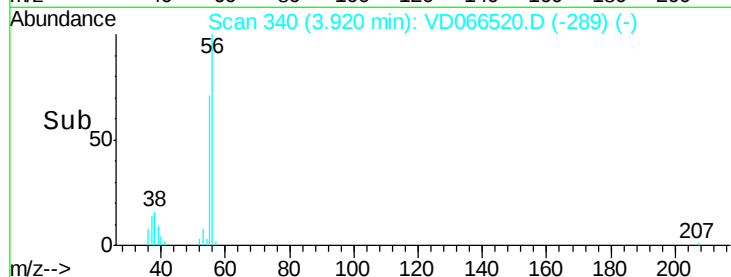
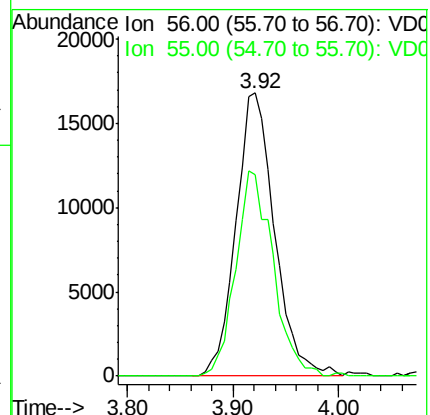
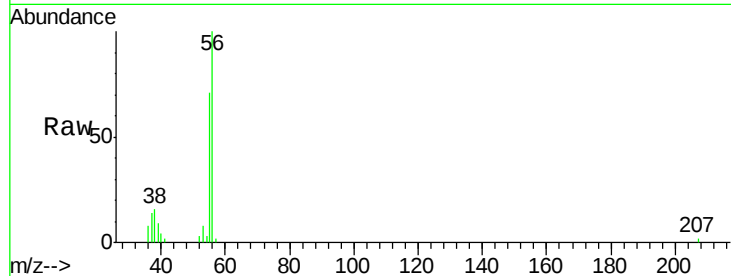
VSTDIC150

Tgt Ion: 56 Resp: 42524

Ion Ratio Lower Upper

56 100

55 70.0 53.0 79.4



#14

Allyl chloride

Concen: 151.710 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

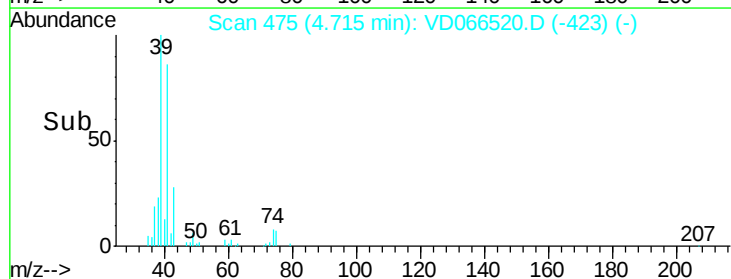
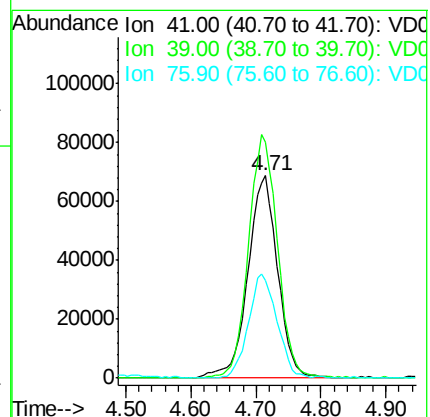
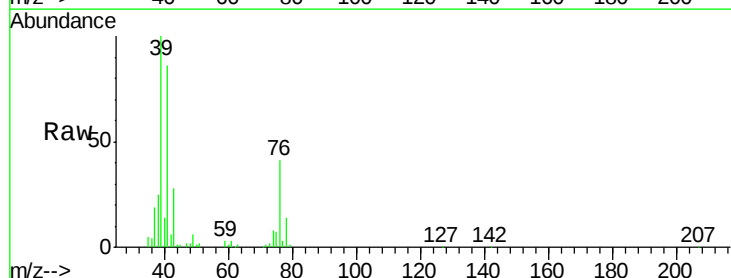
Tgt Ion: 41 Resp: 217339

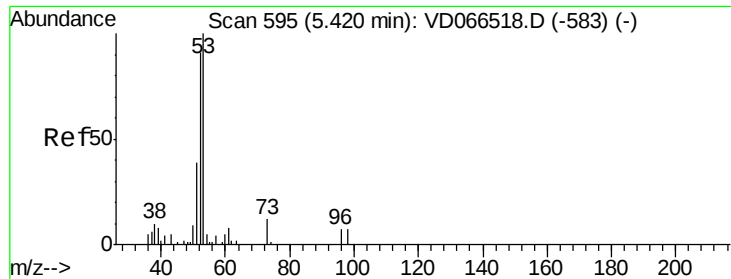
Ion Ratio Lower Upper

41 100

39 117.2 93.8 140.8

76 49.3 39.4 59.0





#15

Acrylonitrile

Concen: 759.887 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

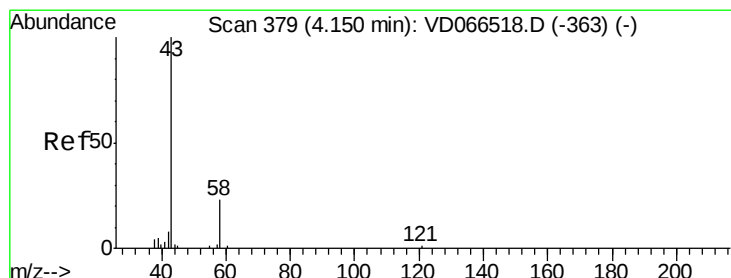
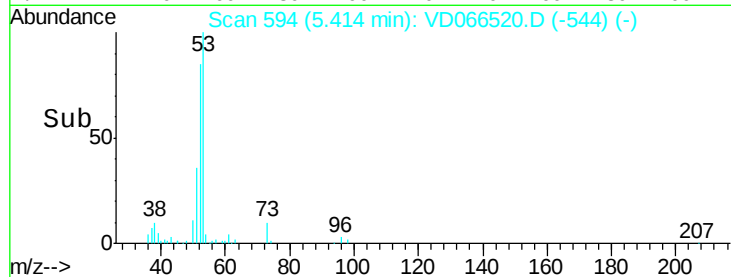
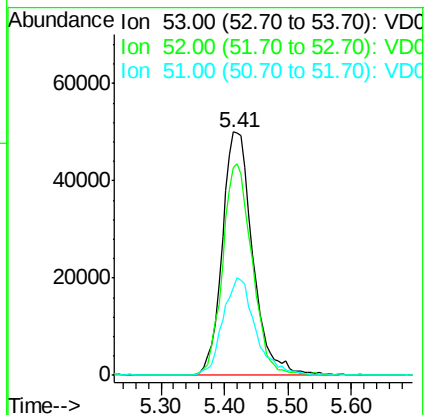
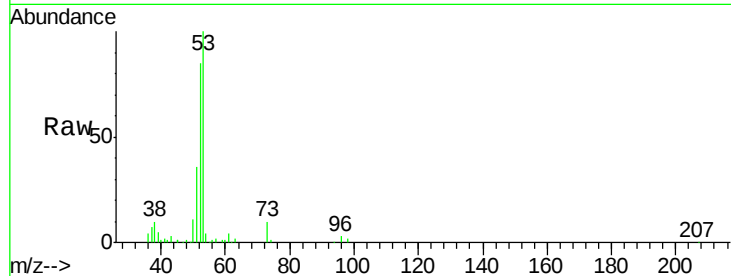
Tgt Ion: 53 Resp: 167256

Ion Ratio Lower Upper

53 100

52 83.7 71.0 106.4

51 42.6 35.8 53.6



#16

Acetone

Concen: 671.839 ug/l

RT: 4.15 min Scan# 379

Delta R.T. 0.00 min

Lab File: VD066520.D

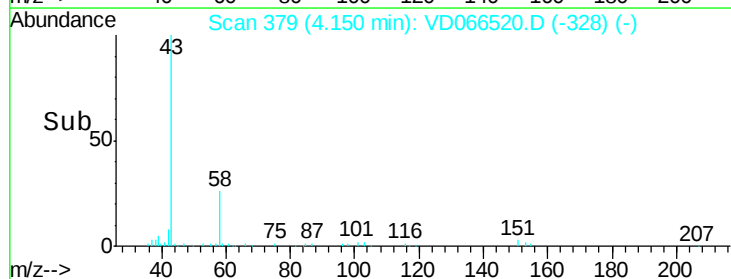
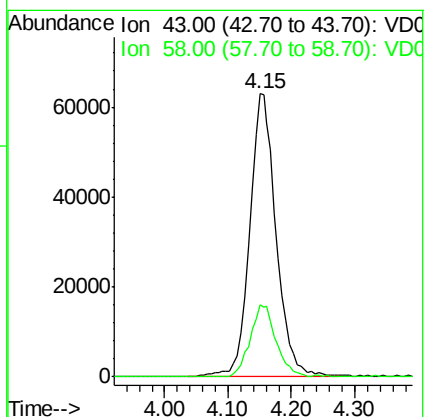
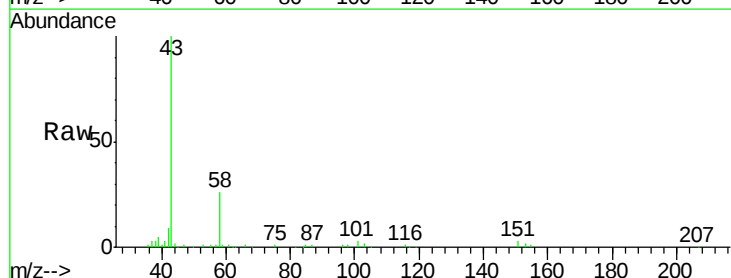
Acq: 02 Sep 2020 13:37

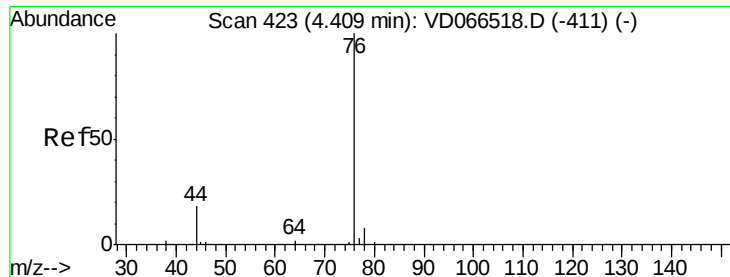
Tgt Ion: 43 Resp: 183553

Ion Ratio Lower Upper

43 100

58 25.6 18.1 27.1

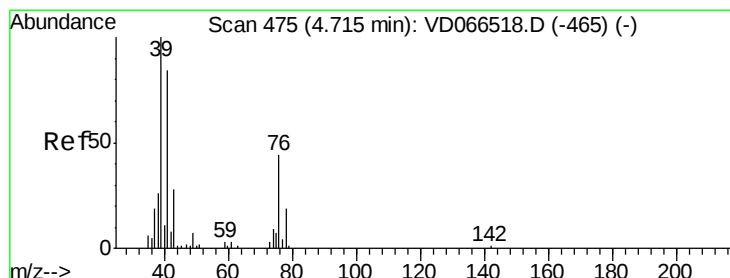
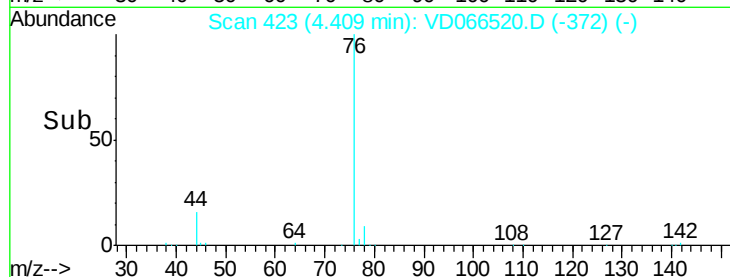
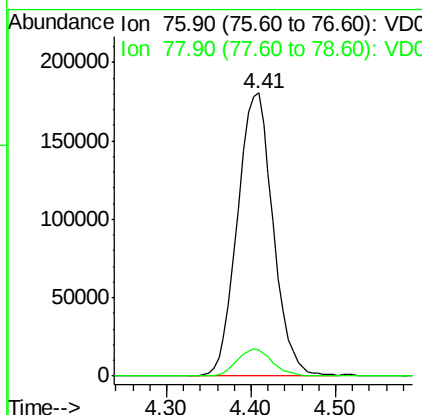
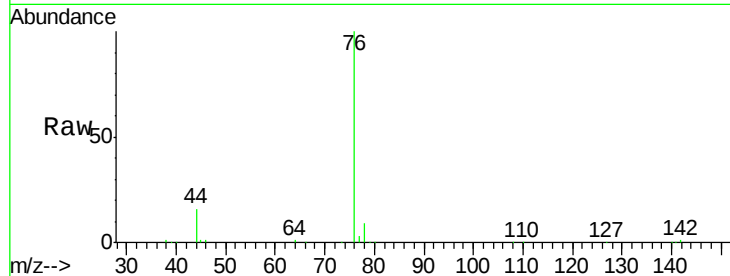




#17
Carbon Disulfide
Concen: 142.894 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

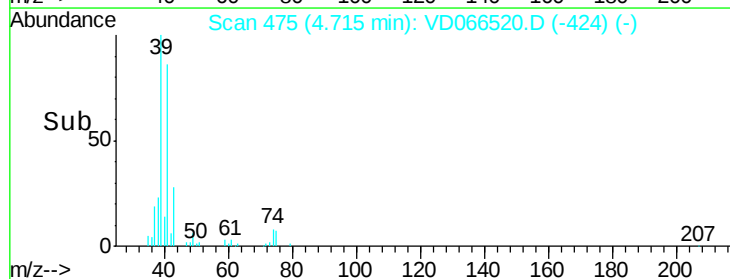
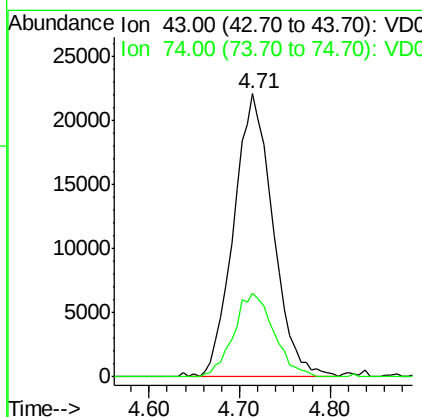
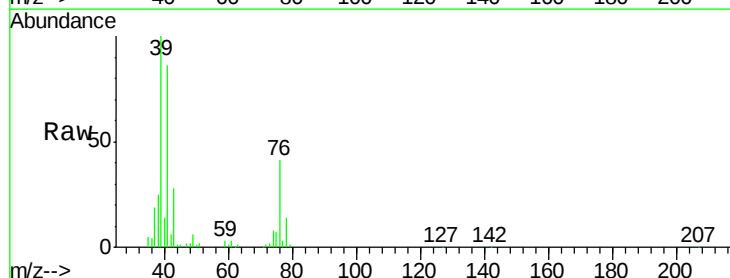
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

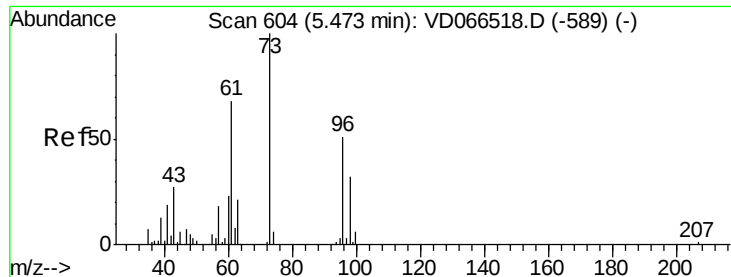
Tgt Ion: 76 Resp: 529231
Ion Ratio Lower Upper
76 100
78 9.4 6.2 9.4#



#18
Methyl Acetate
Concen: 151.568 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion: 43 Resp: 66556
Ion Ratio Lower Upper
43 100
74 30.3 26.3 39.5

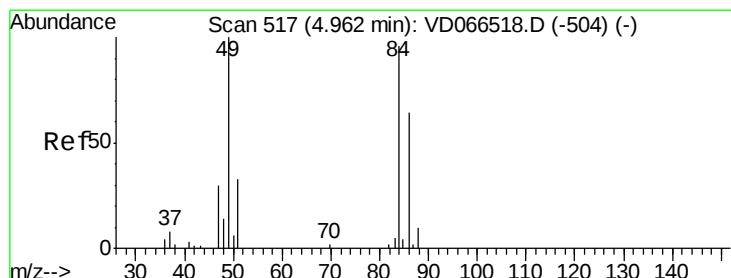
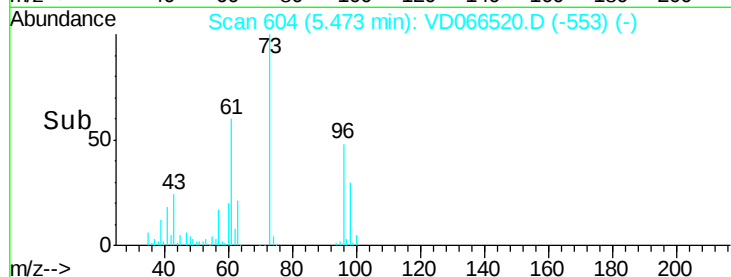
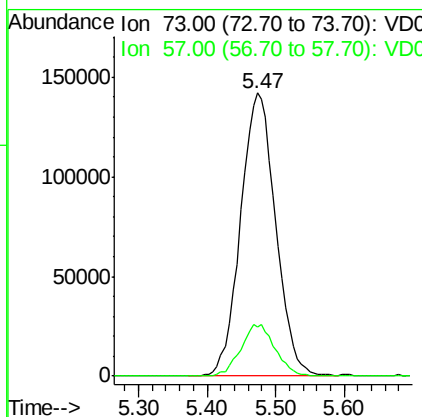
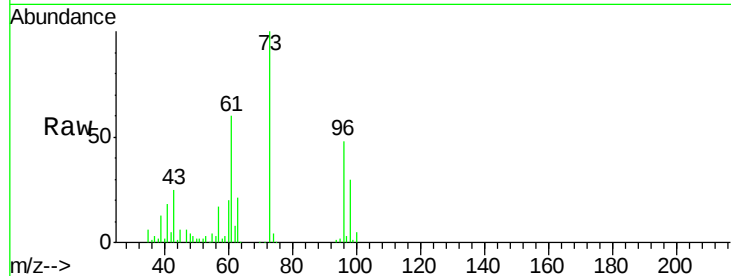




#19
Methyl tert-butyl Ether
Concen: 151.269 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

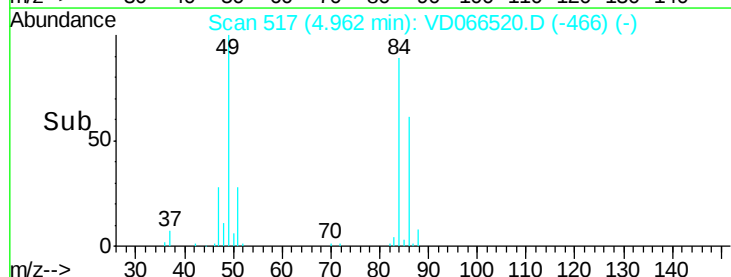
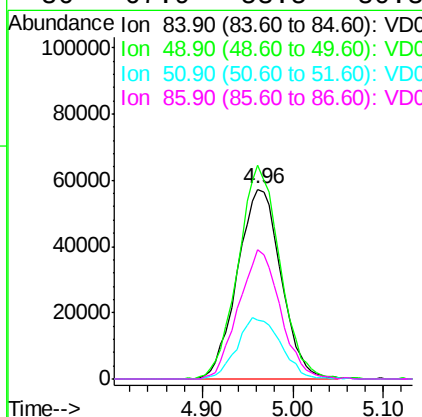
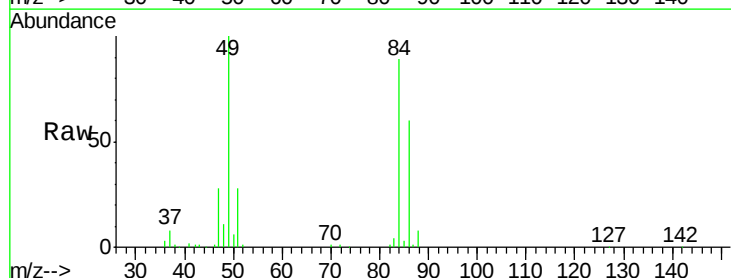
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

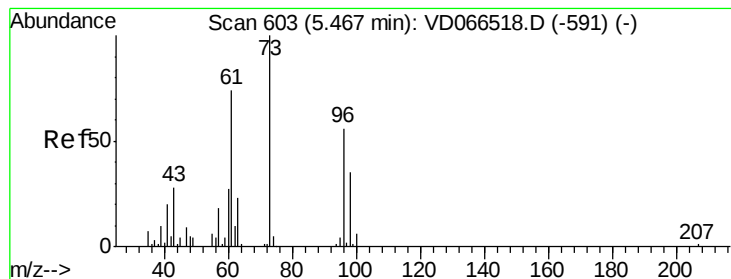
Tgt Ion: 73 Resp: 505856
Ion Ratio Lower Upper
73 100
57 17.2 14.6 22.0



#20
Methylene Chloride
Concen: 120.366 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion: 84 Resp: 191918
Ion Ratio Lower Upper
84 100
49 112.0 83.5 125.3
51 31.1 27.8 41.8
86 67.9 53.5 80.3





#21

trans-1,2-Dichloroethene

Concen: 144.201 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

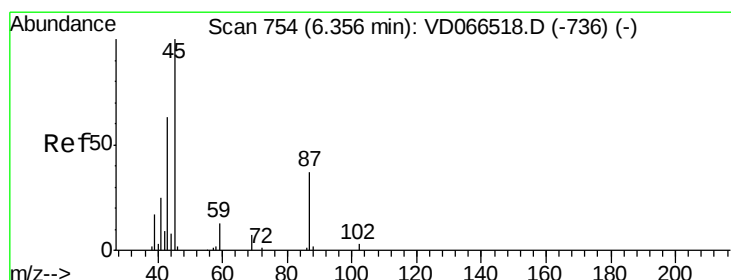
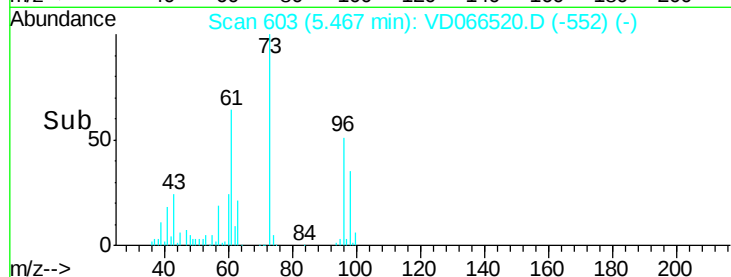
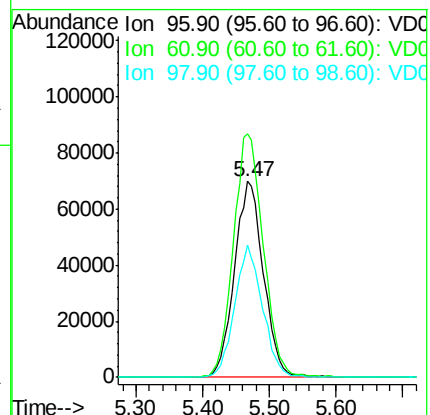
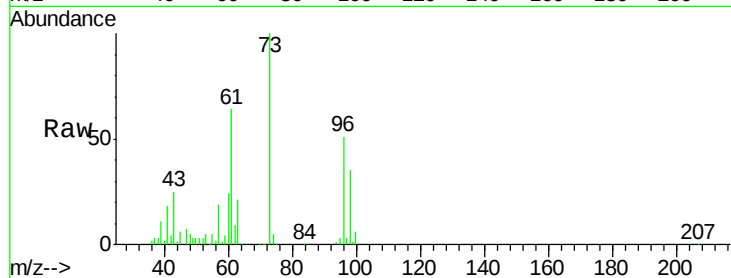
Tgt Ion: 96 Resp: 211391

Ion Ratio Lower Upper

96 100

61 124.5 106.6 160.0

98 67.8 50.6 76.0



#22

Diisopropyl ether

Concen: 145.631 ug/l

RT: 6.36 min Scan# 754

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Tgt Ion: 45 Resp: 418138

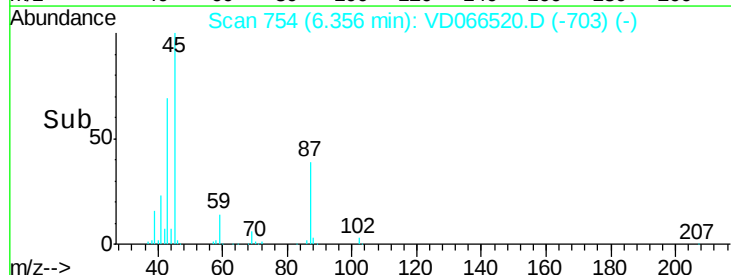
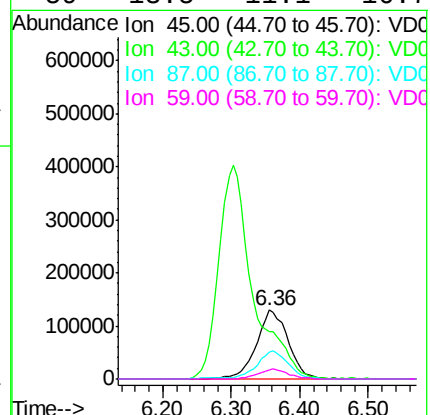
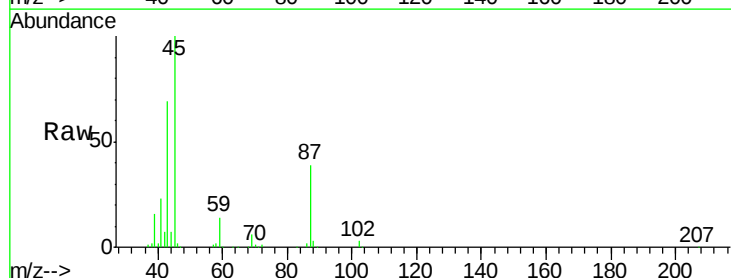
Ion Ratio Lower Upper

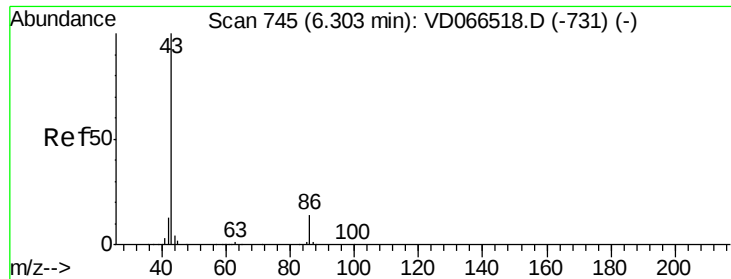
45 100

43 67.6 53.4 80.0

87 38.3 30.2 45.4

59 13.5 11.1 16.7





#23

Vinyl Acetate

Concen: 755.939 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

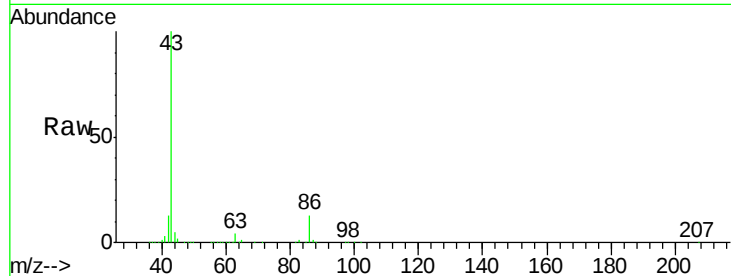
VSTDIC150

Tgt Ion: 43 Resp: 1395398

Ion Ratio Lower Upper

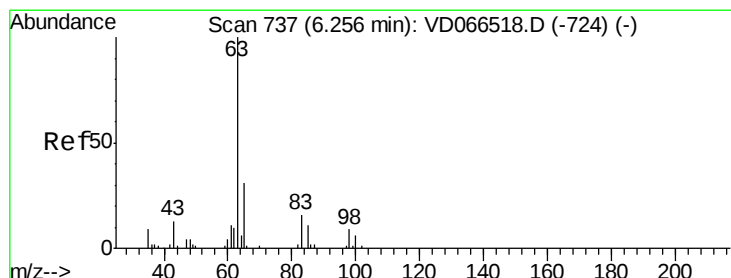
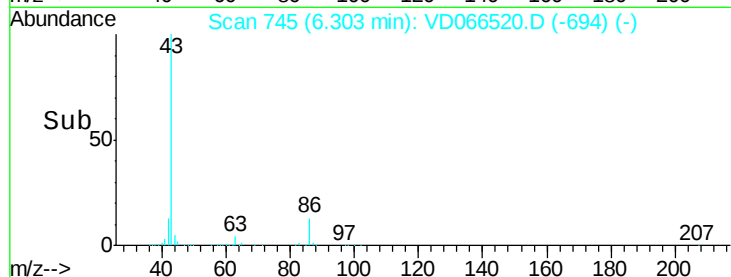
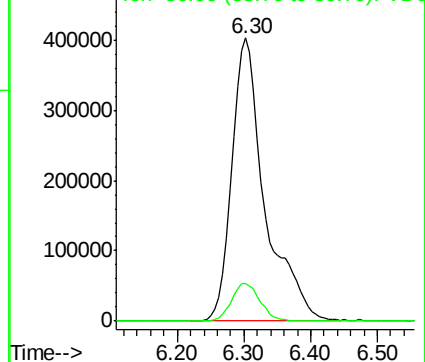
43 100

86 13.4 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 143.850 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.01 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

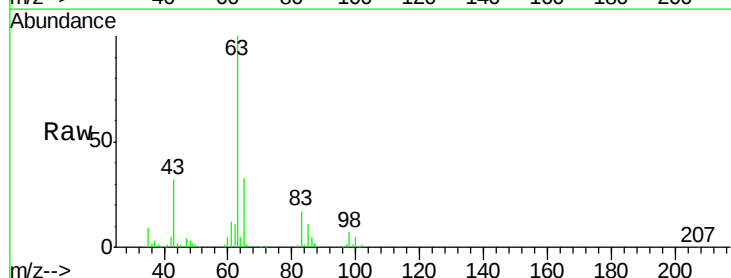
Tgt Ion: 63 Resp: 324390

Ion Ratio Lower Upper

63 100

98 7.1 4.3 13.1

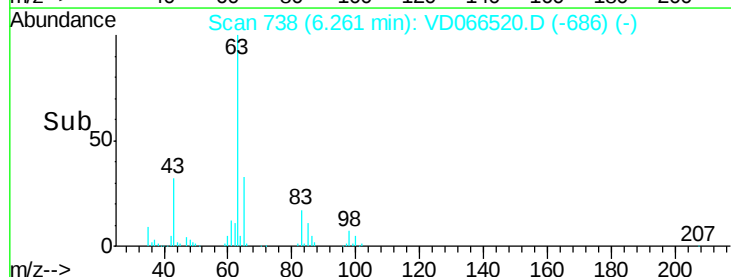
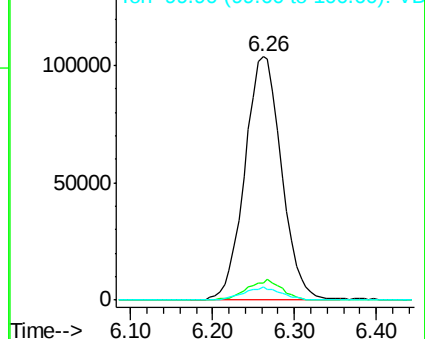
100 5.4 2.9 8.7

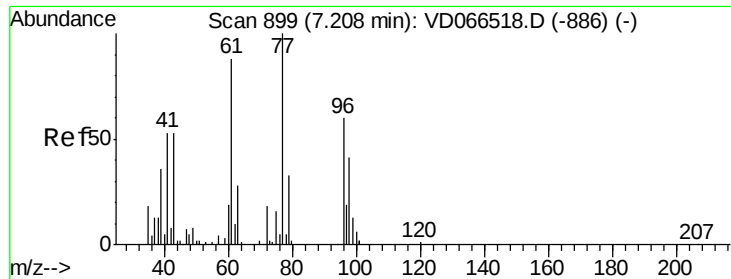


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 717.761 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

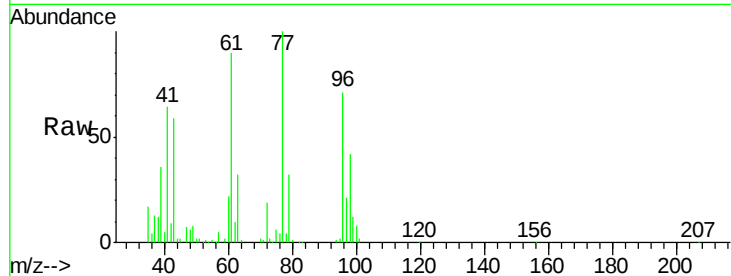
VSTDIC150

Tgt Ion: 43 Resp: 202968

Ion Ratio Lower Upper

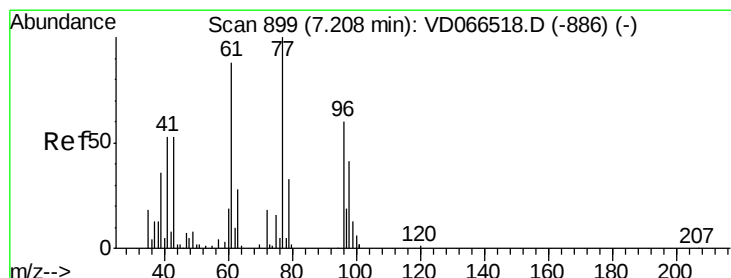
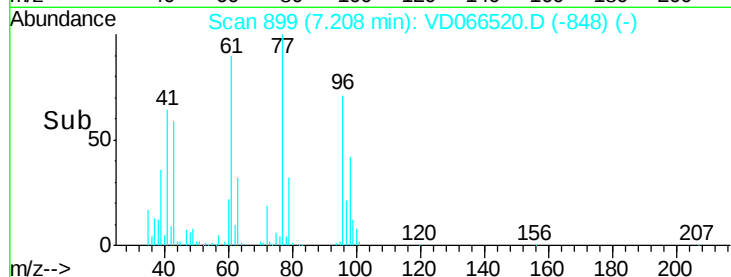
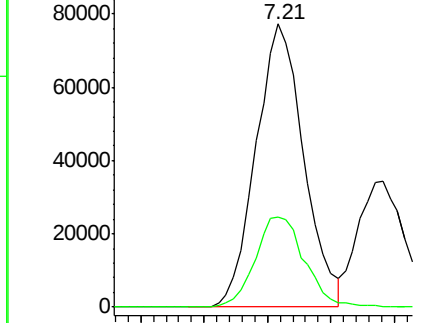
43 100

72 31.7 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 139.504 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066520.D

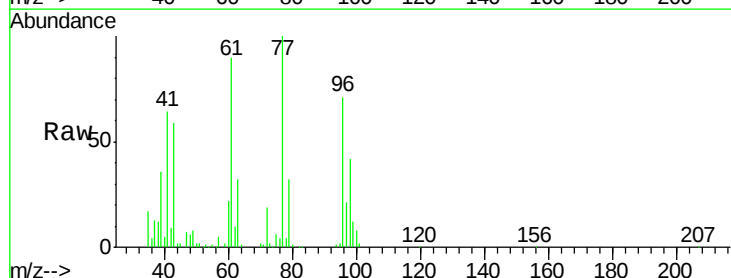
Acq: 02 Sep 2020 13:37

Tgt Ion: 77 Resp: 398613

Ion Ratio Lower Upper

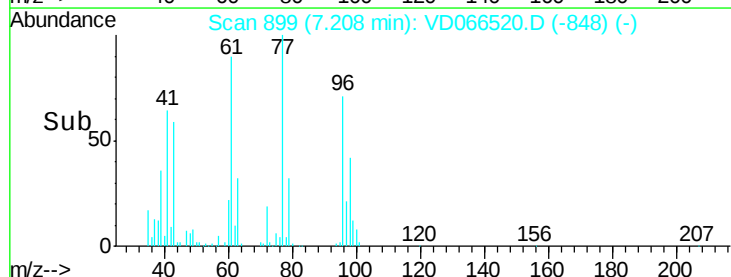
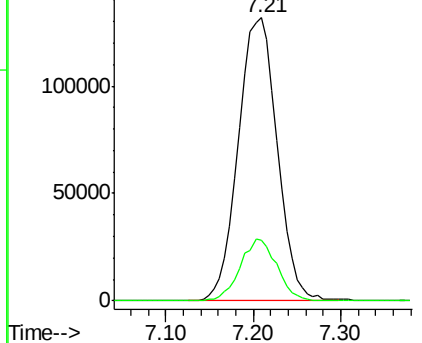
77 100

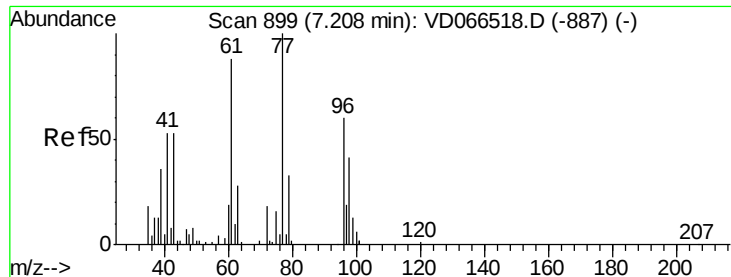
97 20.6 10.2 30.4



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



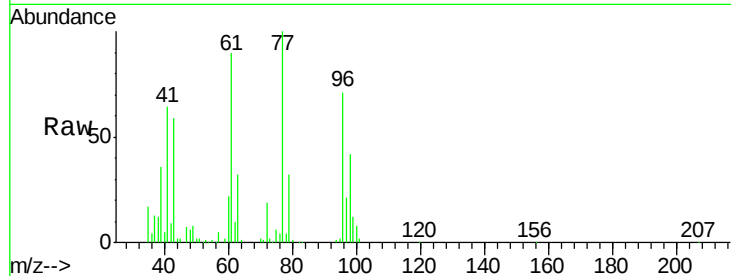


#27

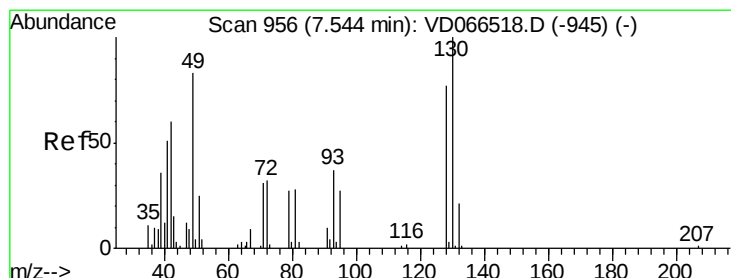
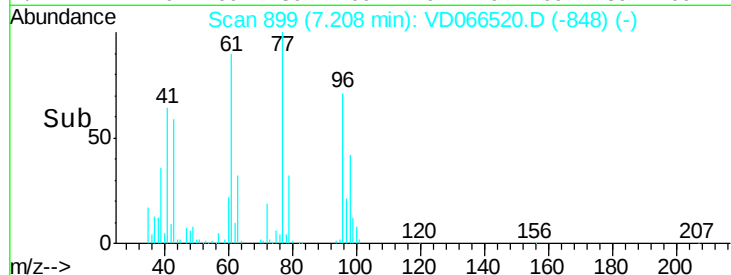
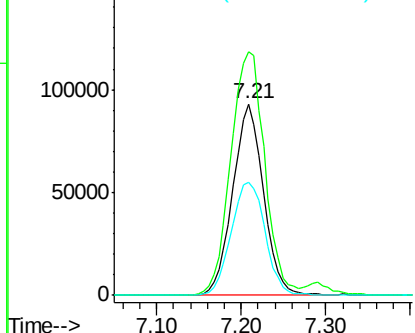
cis-1,2-Dichloroethene
Concen: 147.415 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 96 Resp: 234351
Ion Ratio Lower Upper
96 100
61 140.3 0.0 292.8
98 64.9 0.0 130.2



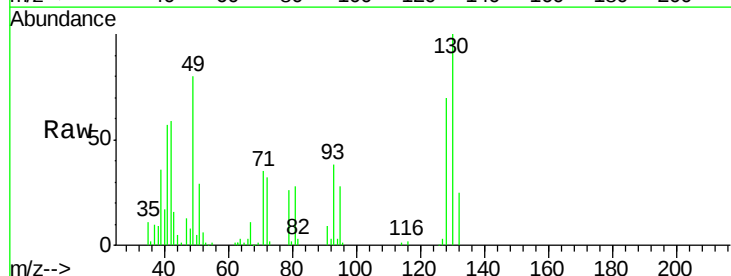
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



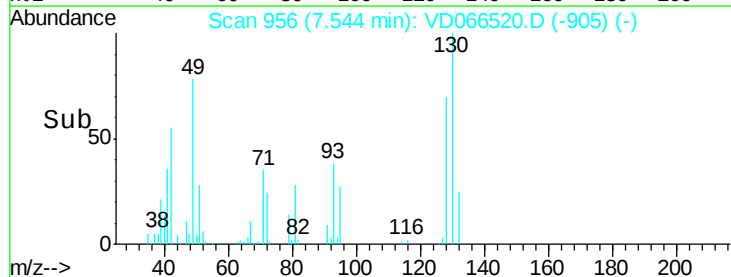
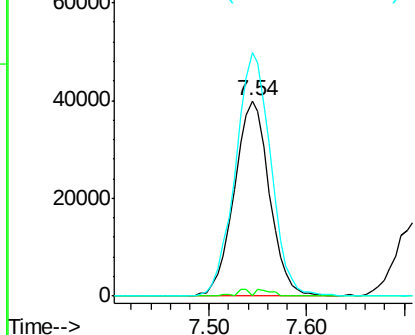
#28

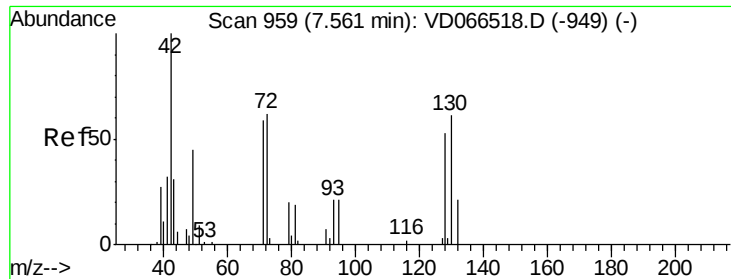
Bromochloromethane
Concen: 153.032 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion: 49 Resp: 99838
Ion Ratio Lower Upper
49 100
129 1.3 0.0 1.2#
130 125.8 98.0 147.0



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

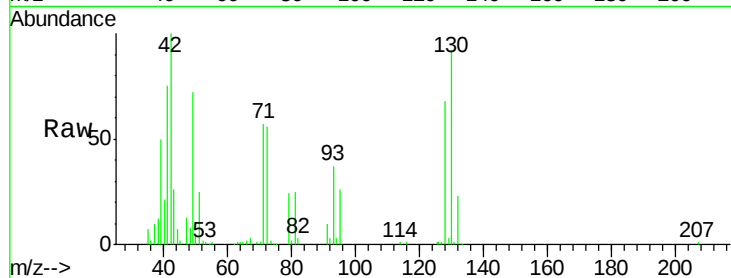




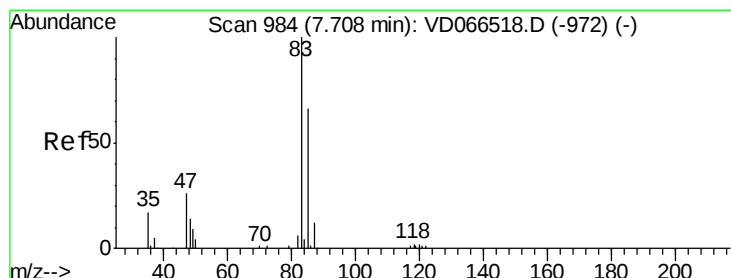
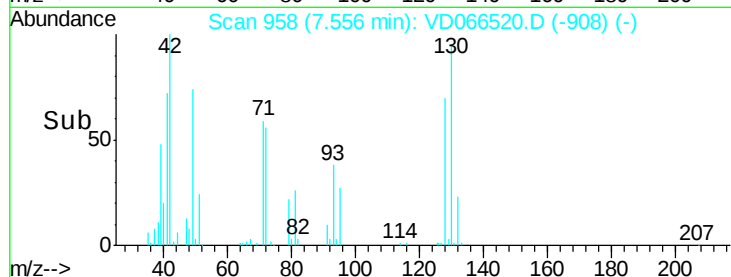
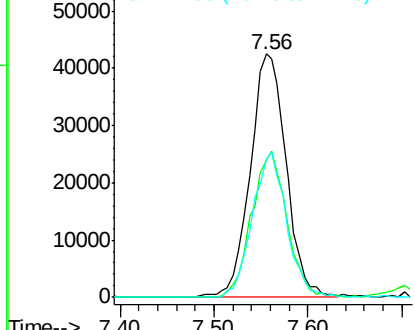
#29
Tetrahydrofuran
Concen: 772.308 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 42 Resp: 112268
Ion Ratio Lower Upper
42 100
72 59.0 48.6 72.8
71 56.7 43.2 64.8

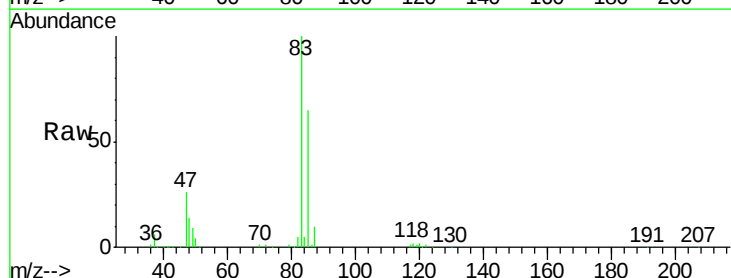


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

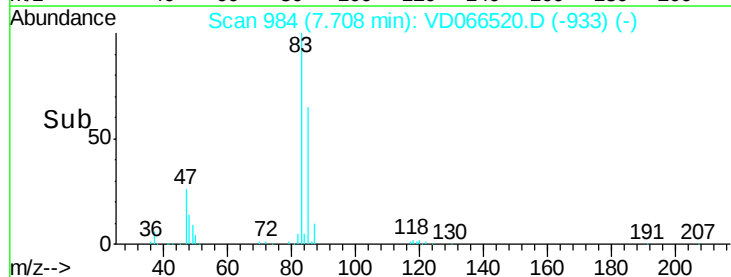
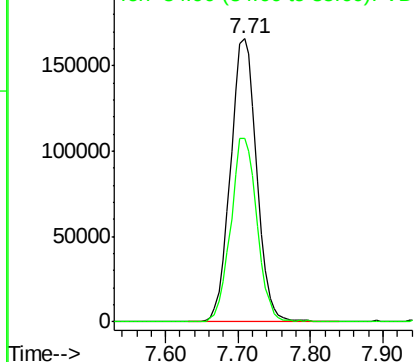


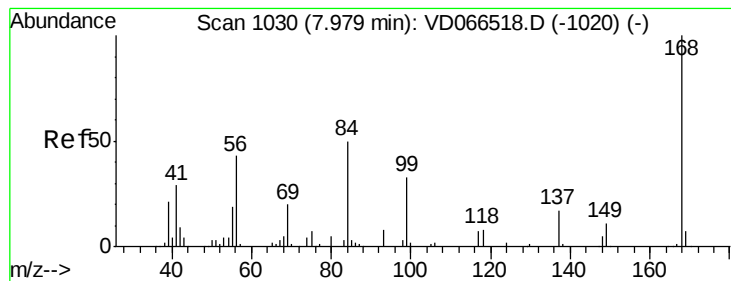
#30
Chloroform
Concen: 142.690 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion: 83 Resp: 415487
Ion Ratio Lower Upper
83 100
85 64.7 52.6 79.0



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





#31

Cyclohexane

Concen: 126.571 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

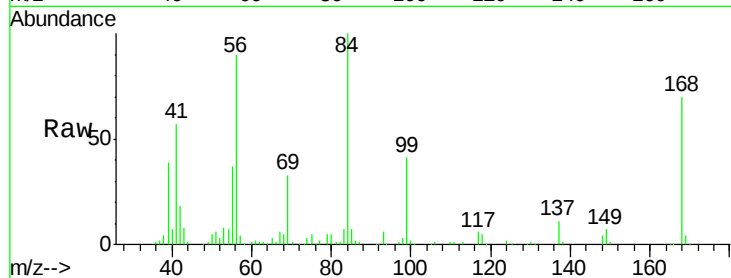
Tgt Ion: 56 Resp: 246604

Ion Ratio Lower Upper

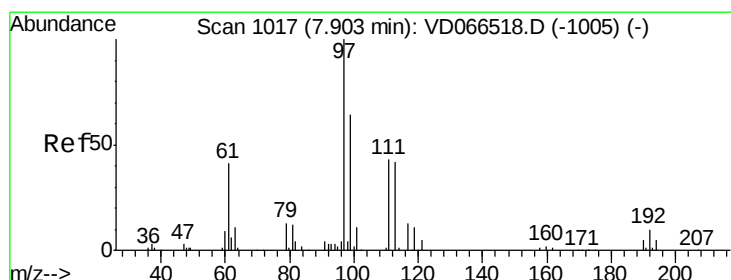
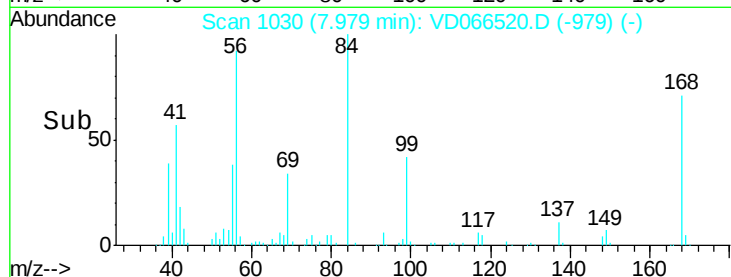
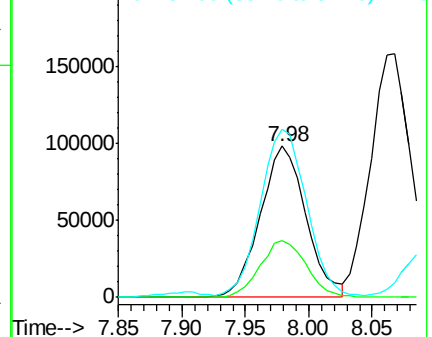
56 100

69 37.2 36.8 55.2

84 107.1 93.4 140.0



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: 141.563 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

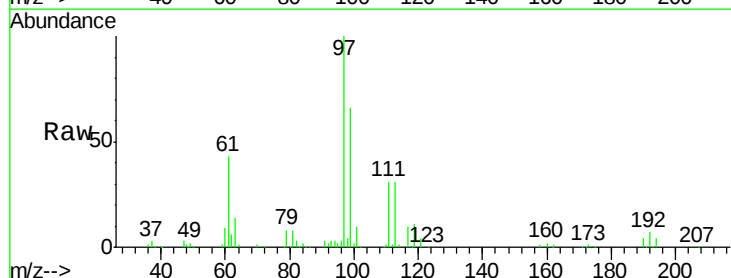
Tgt Ion: 97 Resp: 459075

Ion Ratio Lower Upper

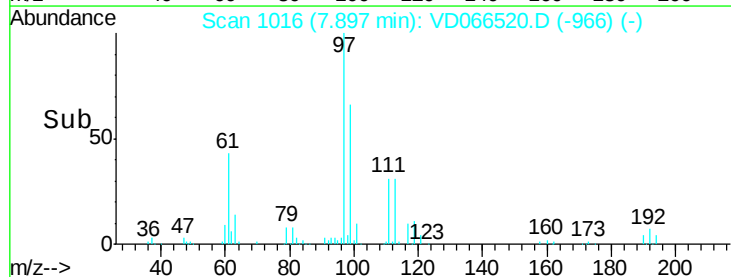
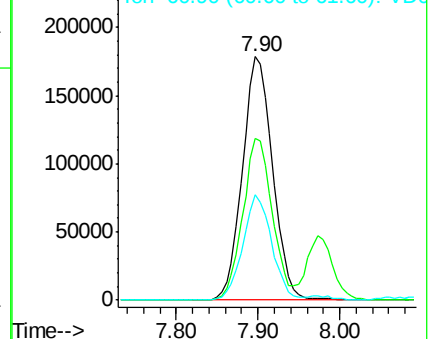
97 100

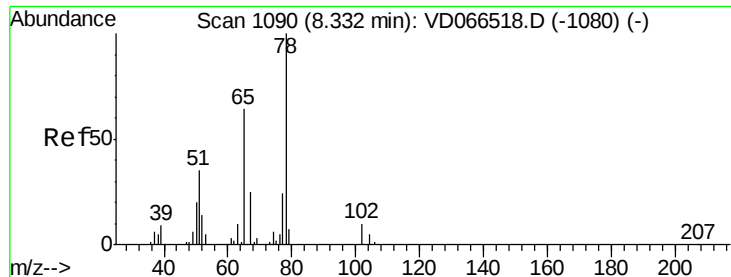
99 65.0 51.7 77.5

61 41.3 32.6 48.8



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

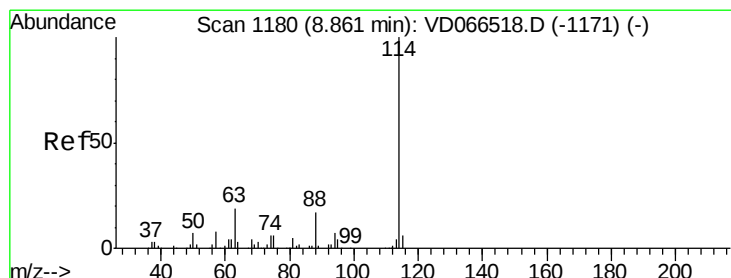
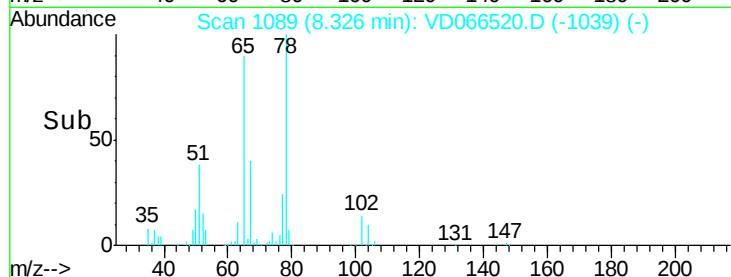
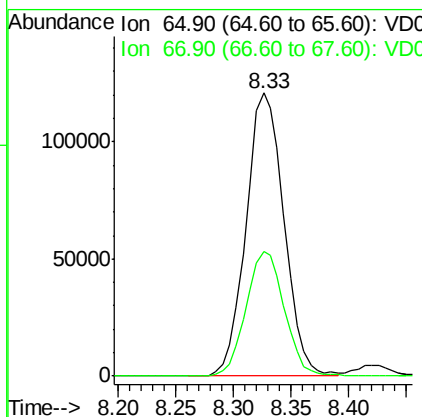
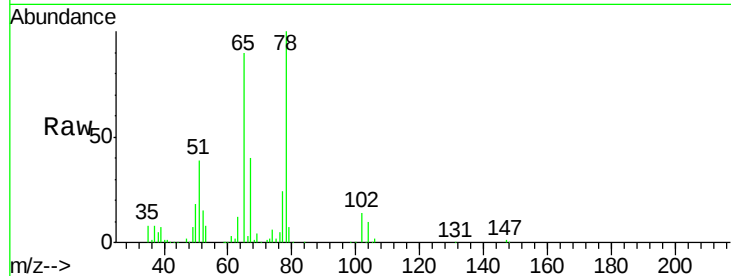




#33
 1,2-Dichloroethane-d4
 Concen: 149.821 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

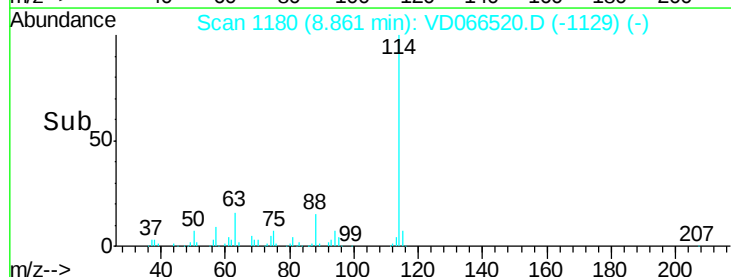
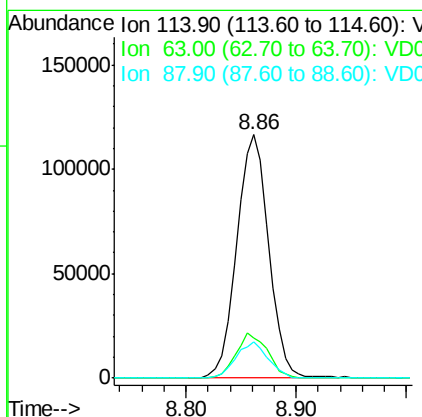
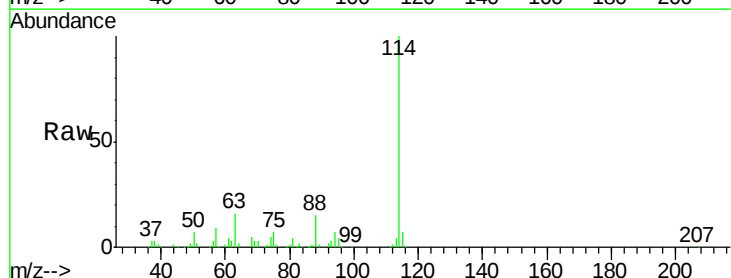
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

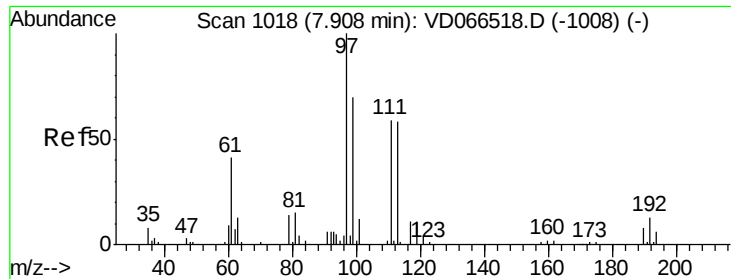
Tgt Ion: 65 Resp: 276777
 Ion Ratio Lower Upper
 65 100
 67 44.5 0.0 88.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Tgt Ion: 114 Resp: 237025
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 38.6
 88 15.1 0.0 33.6

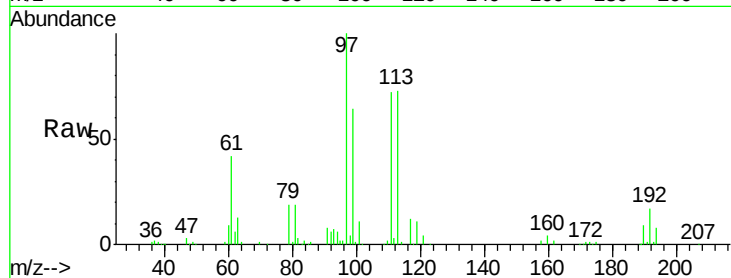




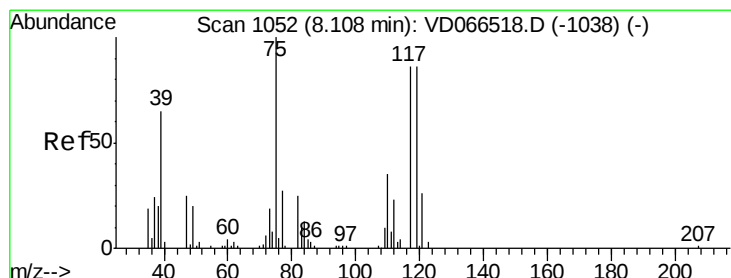
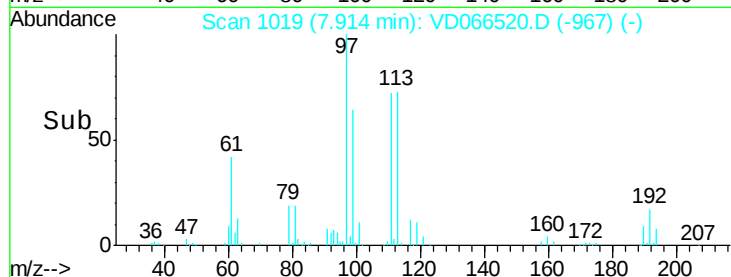
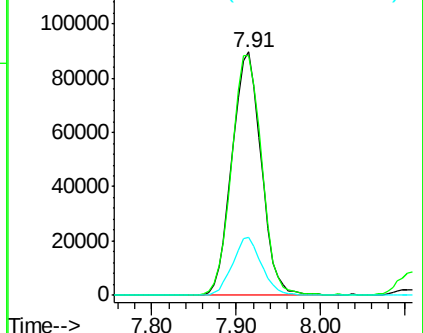
#35
 Dibromofluoromethane
 Concen: 150.546 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion: 113 Resp: 214616
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.5 123.7
 192 23.4 20.7 31.1

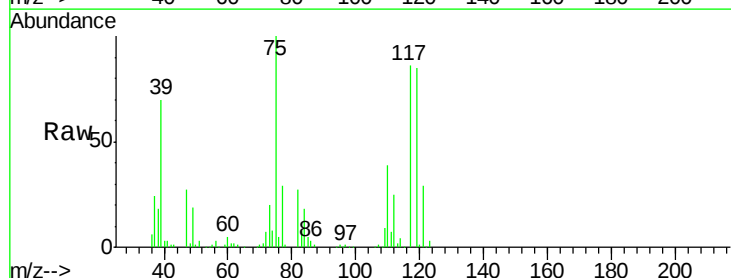


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

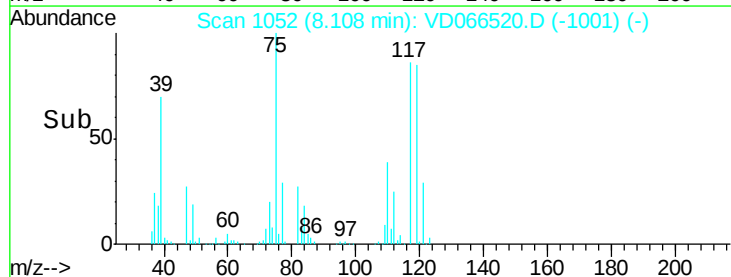
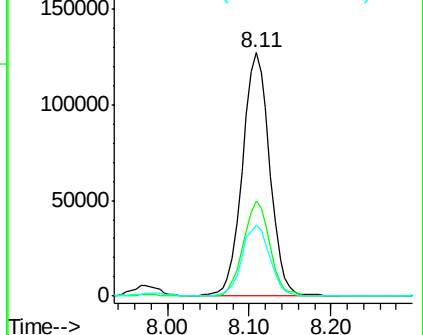


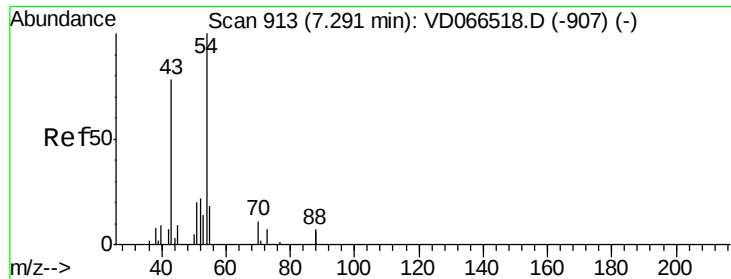
#36
 1,1-Dichloropropene
 Concen: 142.412 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Tgt Ion: 75 Resp: 295898
 Ion Ratio Lower Upper
 75 100
 110 37.8 18.4 55.2
 77 29.8 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

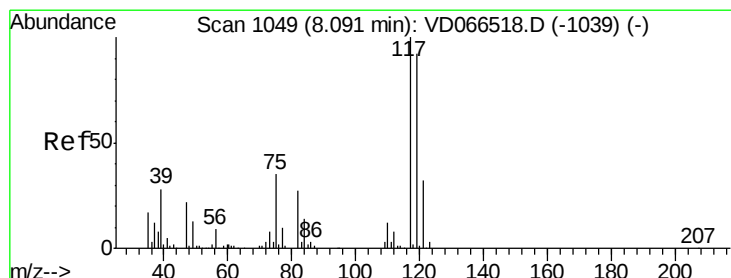
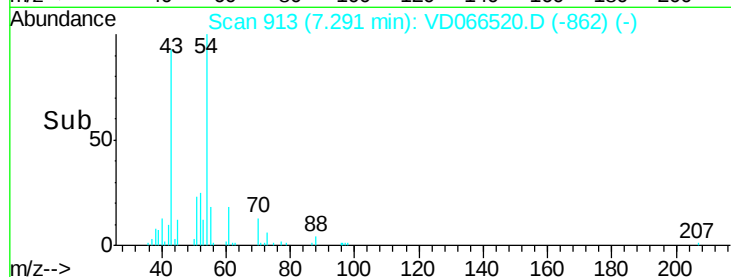
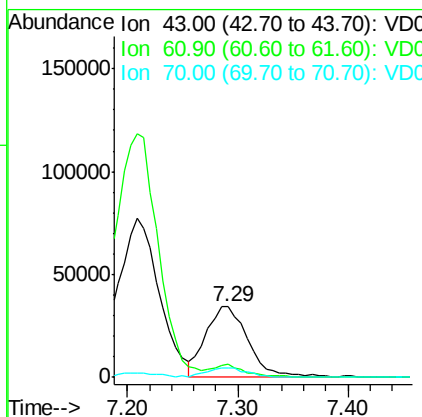
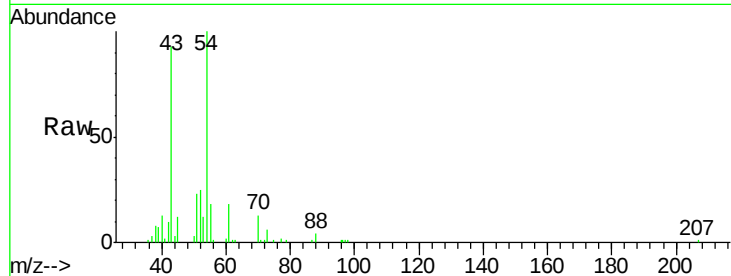




#37
Ethyl Acetate
Concen: 143.594 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

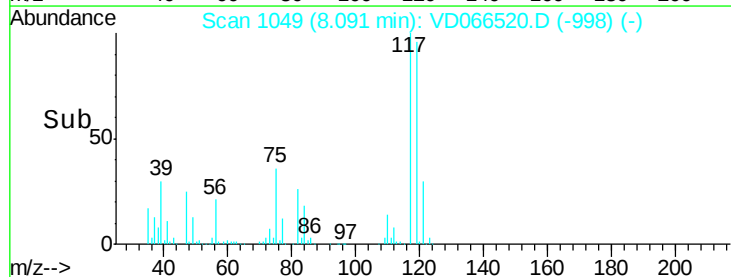
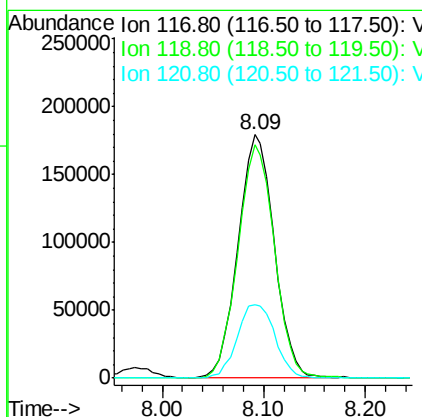
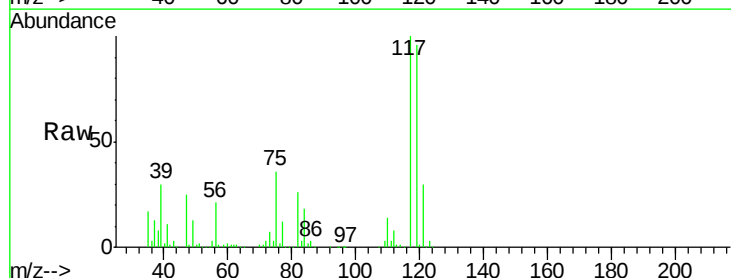
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

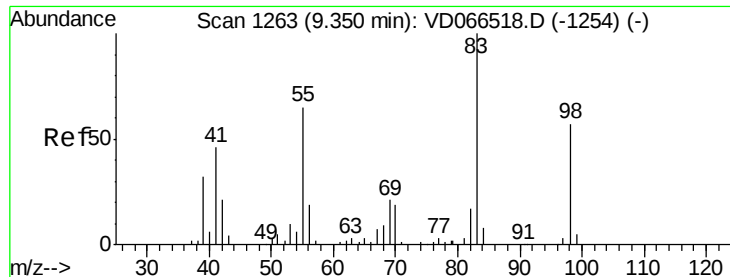
Tgt Ion: 43 Resp: 89558
Ion Ratio Lower Upper
43 100
61 14.3 10.7 16.1
70 14.0 10.2 15.2



#38
Carbon Tetrachloride
Concen: 140.192 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion: 117 Resp: 443738
Ion Ratio Lower Upper
117 100
119 95.9 73.9 110.9
121 30.0 25.6 38.4

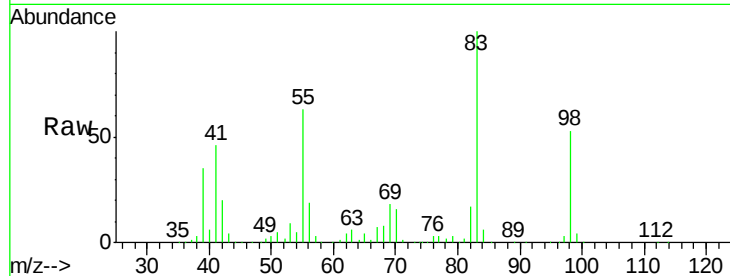




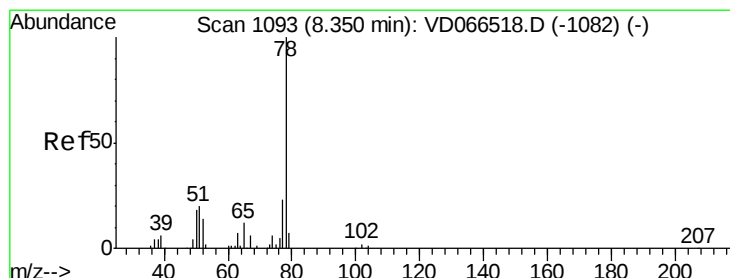
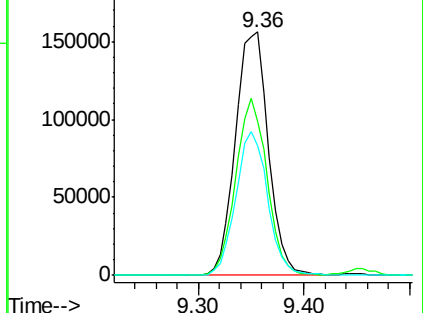
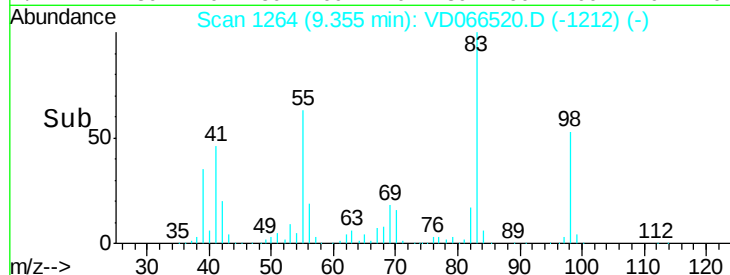
#39
Methylcyclohexane
Concen: 139.539 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 83 Resp: 338730
Ion Ratio Lower Upper
83 100
55 63.1 52.2 78.2
98 53.2 45.6 68.4

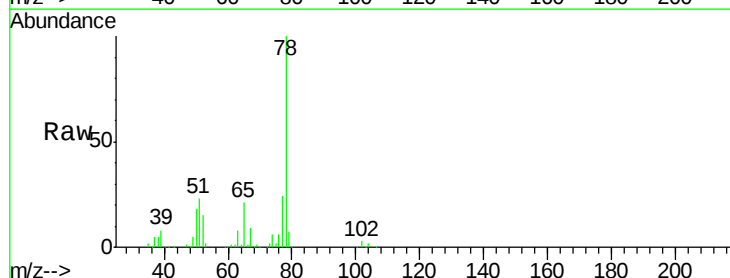


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

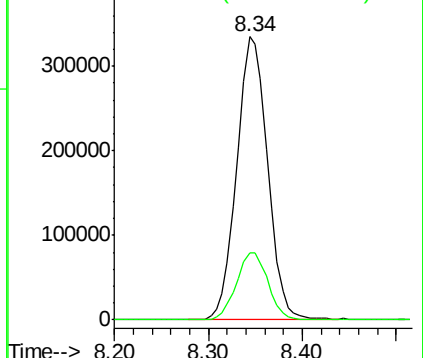
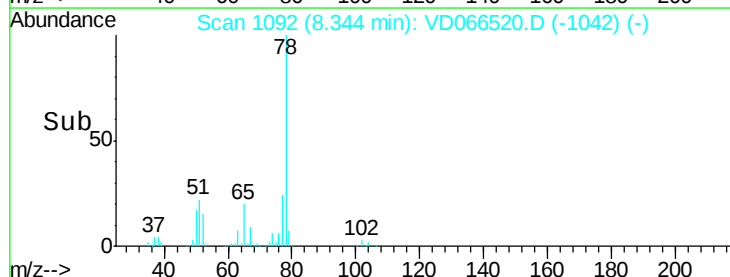


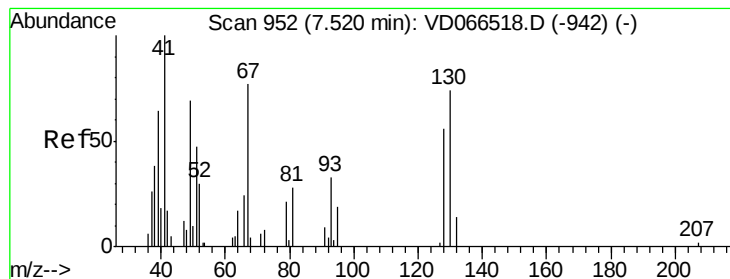
#40
Benzene
Concen: 142.436 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion: 78 Resp: 763430
Ion Ratio Lower Upper
78 100
77 23.7 18.1 27.1



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





#41

Methacrylonitrile

Concen: 397.775 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.03 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 41 Resp: 141251

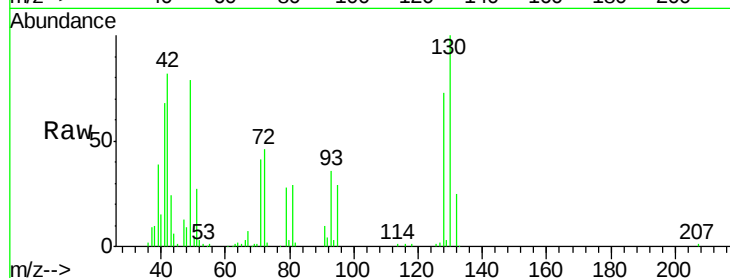
Ion Ratio Lower Upper

41 100

39 64.8 0.0 0.0#

67 0.0 85.0 127.4#

52 0.0 38.8 58.2#

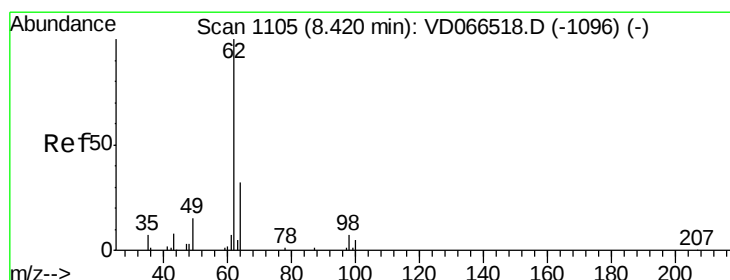
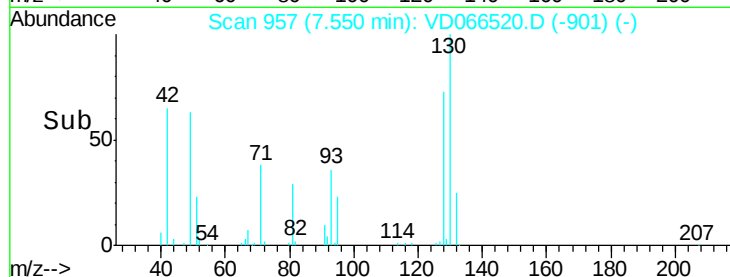
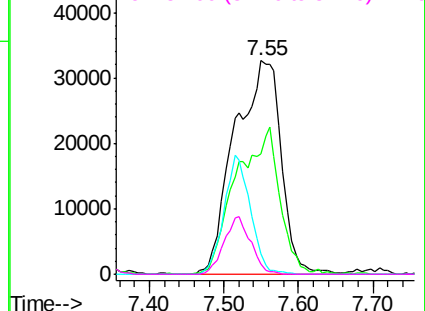


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 145.858 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VD066520.D

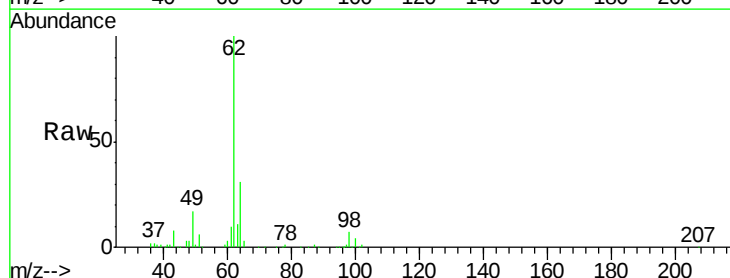
Acq: 02 Sep 2020 13:37

Tgt Ion: 62 Resp: 330725

Ion Ratio Lower Upper

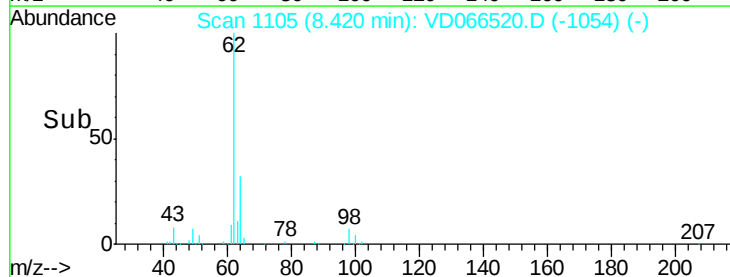
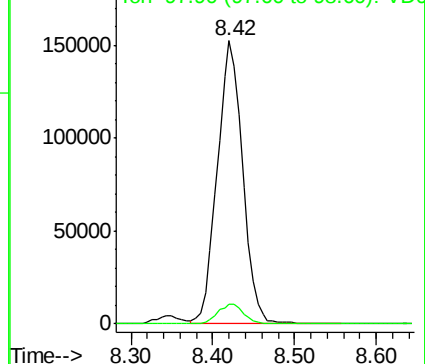
62 100

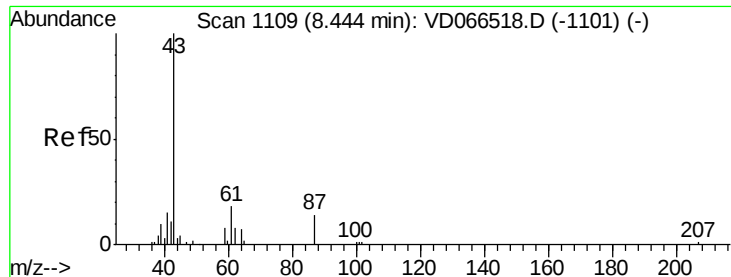
98 7.0 0.0 15.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

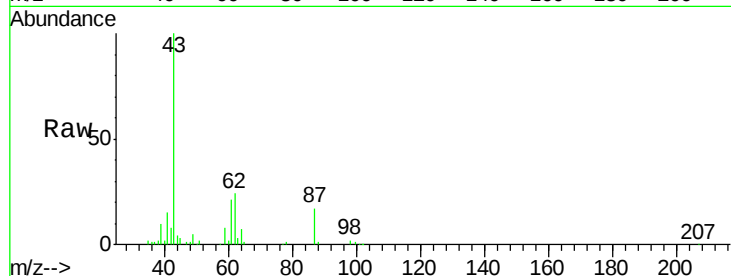




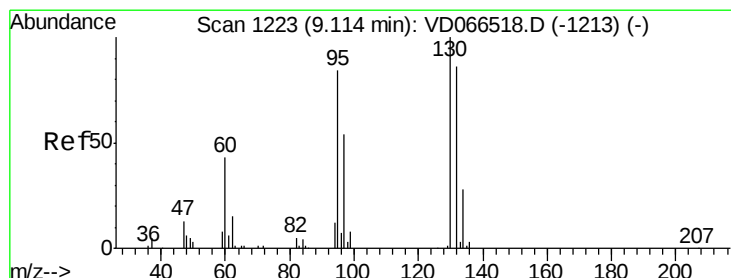
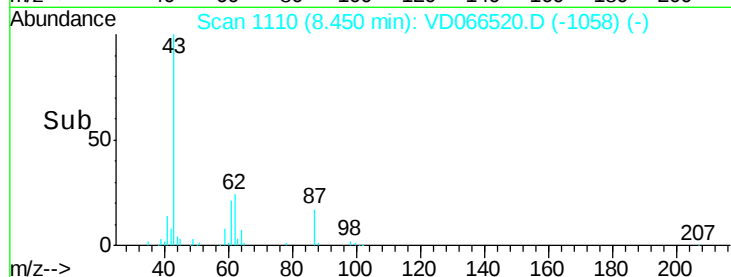
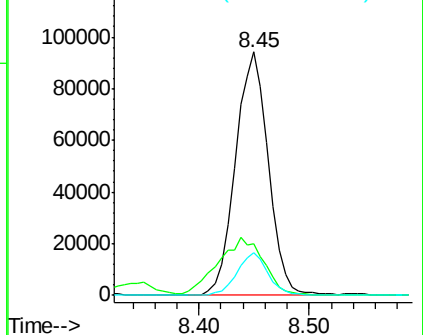
#43
Isopropyl Acetate
Concen: 150.921 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. 0.01 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 197179
Ion Ratio Lower Upper
43 100
61 32.9 26.9 40.3
87 16.5 12.9 19.3

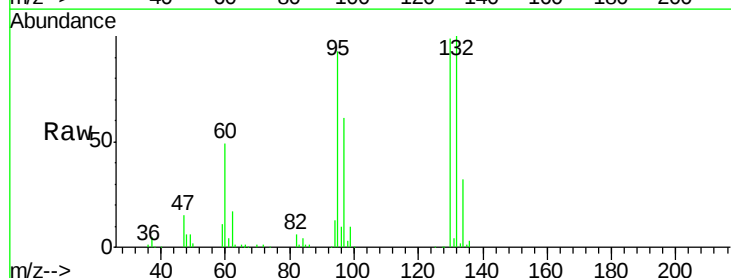


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

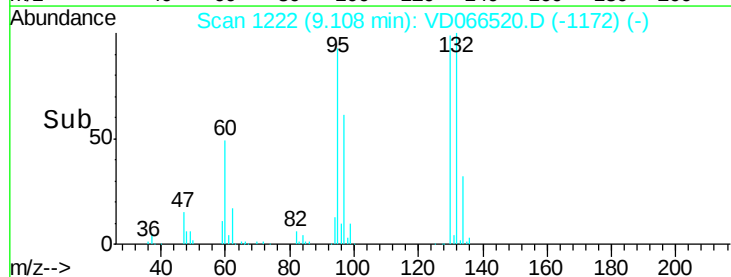
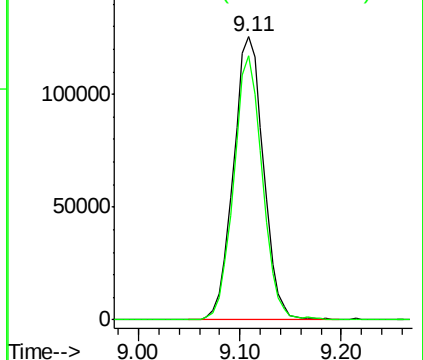


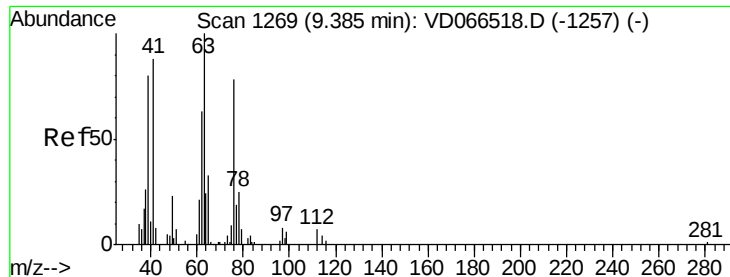
#44
Trichloroethene
Concen: 139.563 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion: 130 Resp: 258187
Ion Ratio Lower Upper
130 100
95 93.3 0.0 167.2



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





#45

1,2-Dichloropropane

Concen: 144.939 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

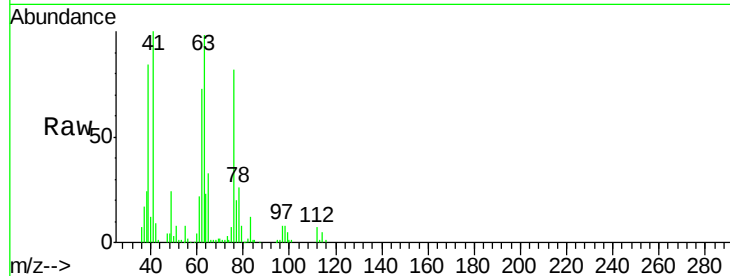
VSTDIC150

Tgt Ion: 63 Resp: 154137

Ion Ratio Lower Upper

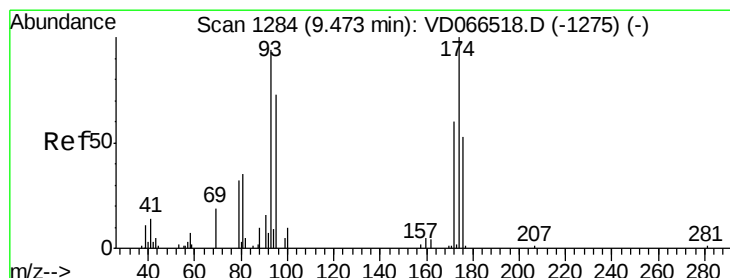
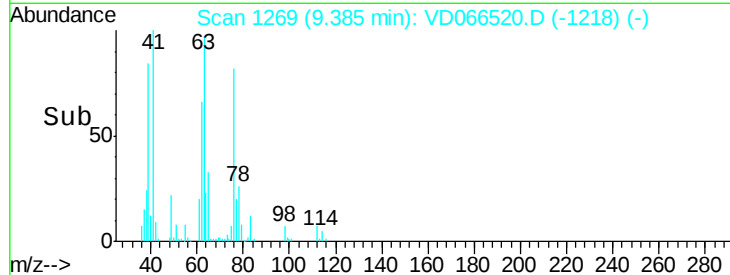
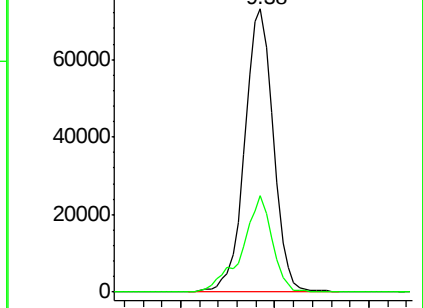
63 100

65 34.3 26.2 39.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 145.421 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

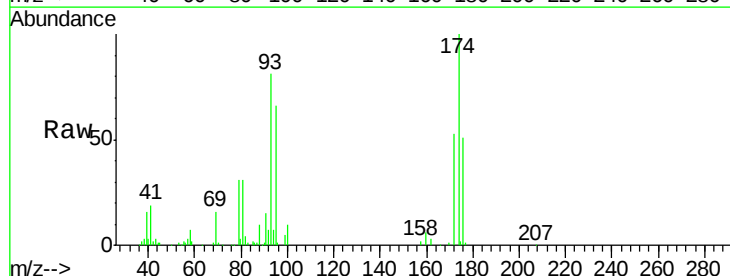
Tgt Ion: 93 Resp: 113220

Ion Ratio Lower Upper

93 100

95 79.5 63.9 95.9

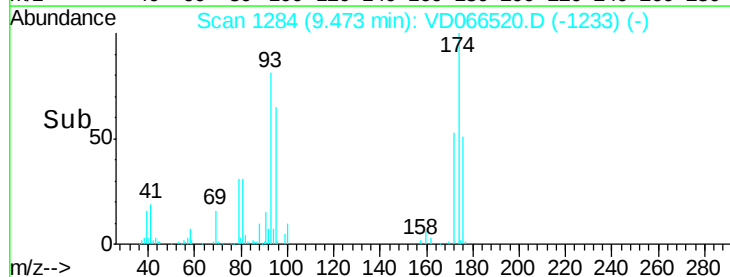
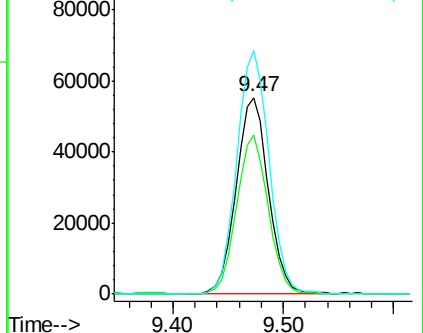
174 125.1 94.4 141.6

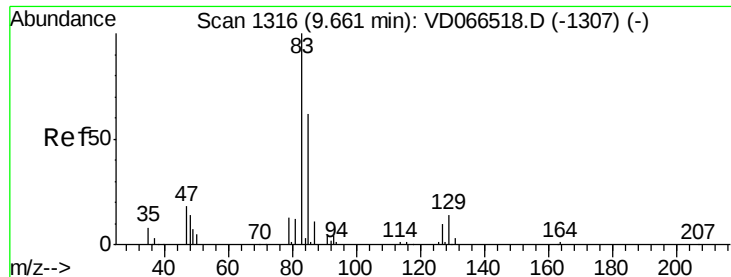


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

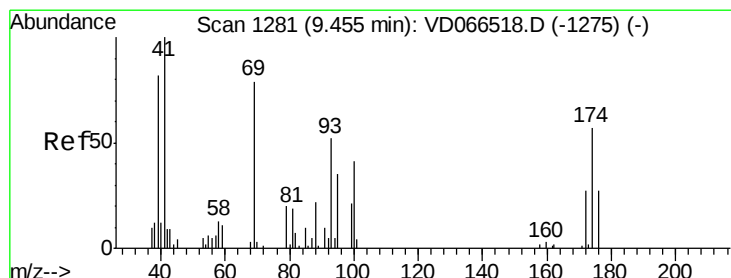
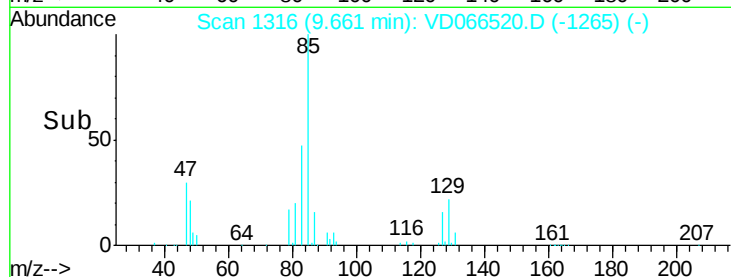
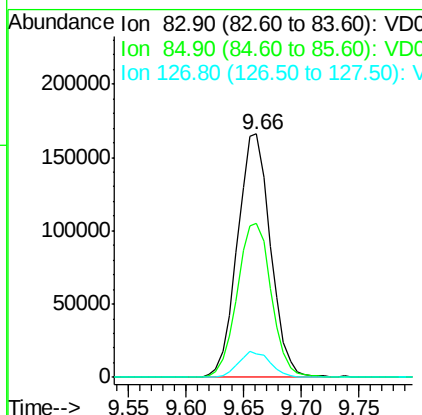
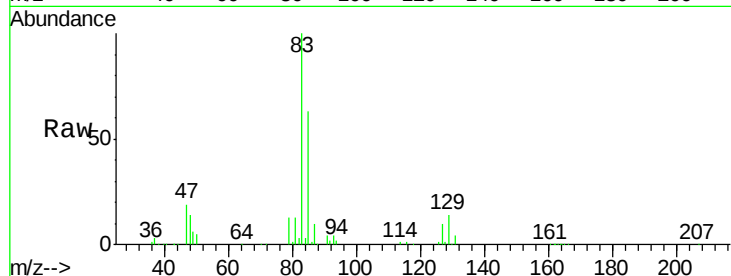




#47
Bromodichloromethane
Concen: 143.006 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

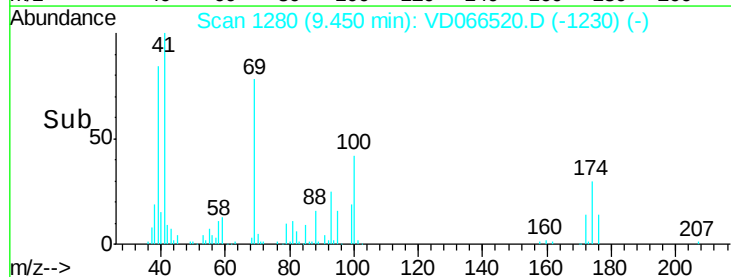
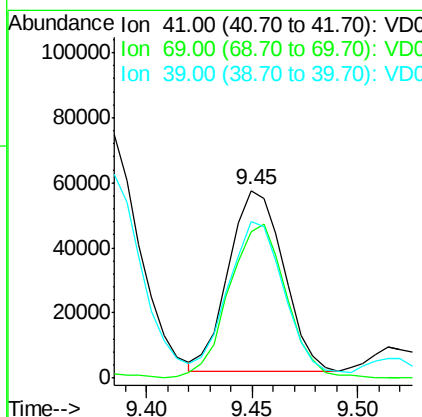
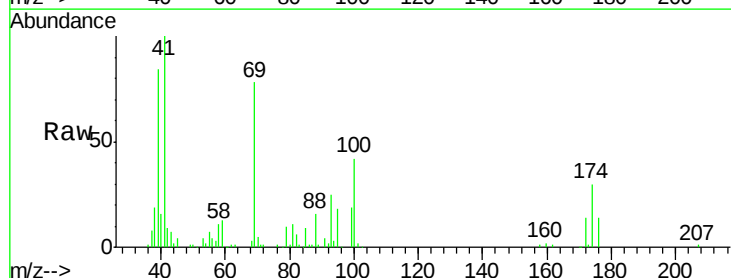
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

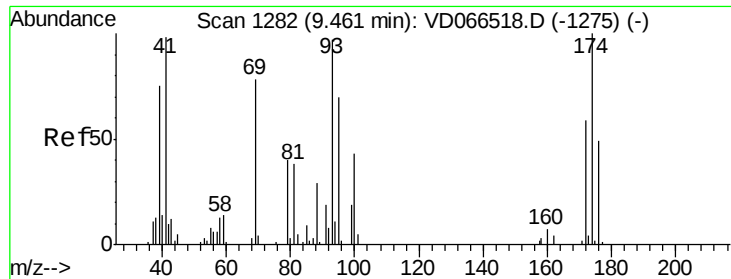
Tgt Ion: 83 Resp: 330915
Ion Ratio Lower Upper
83 100
85 63.1 49.6 74.4
127 9.9 7.8 11.6



#48
Methyl methacrylate
Concen: 152.065 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion: 41 Resp: 101247
Ion Ratio Lower Upper
41 100
69 88.5 71.1 106.7
39 82.8 75.4 113.2

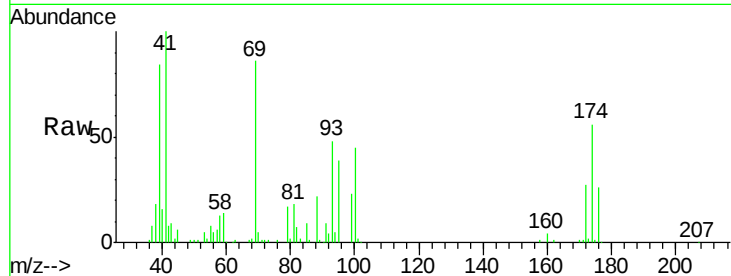




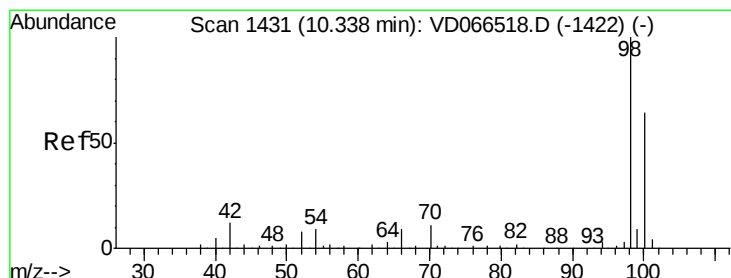
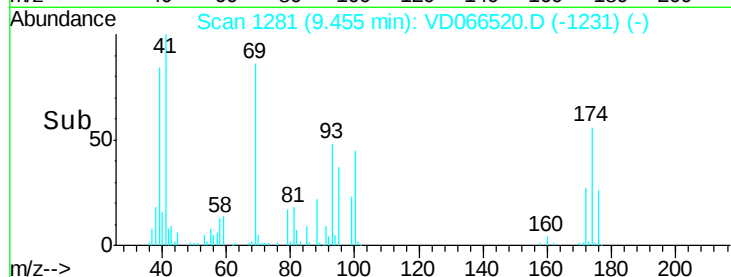
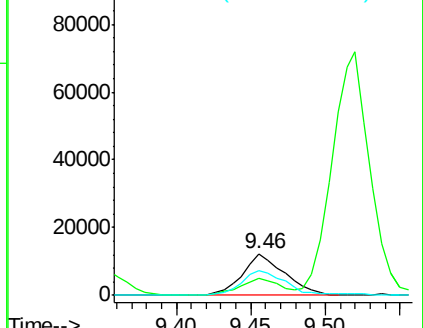
#49
 1,4-Dioxane
 Concen: 2624.282 ug/l
 RT: 9.46 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion: 88 Resp: 23894
 Ion Ratio Lower Upper
 88 100
 43 39.6 33.8 50.6
 58 63.7 46.2 69.4

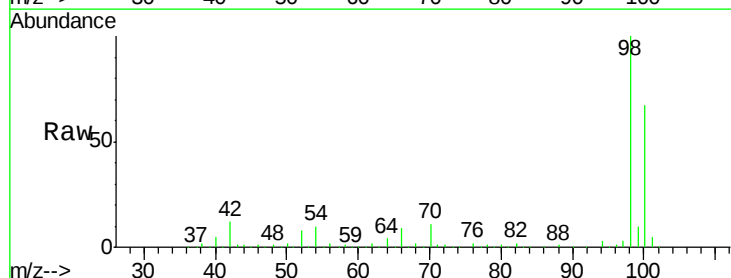


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

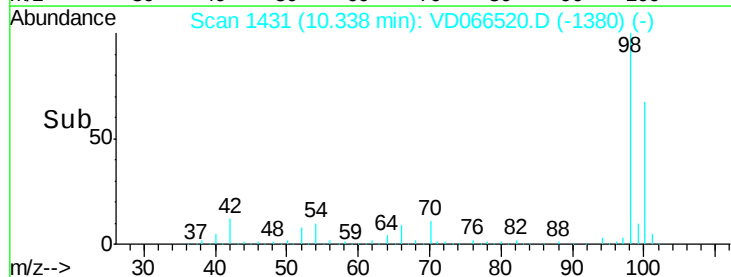
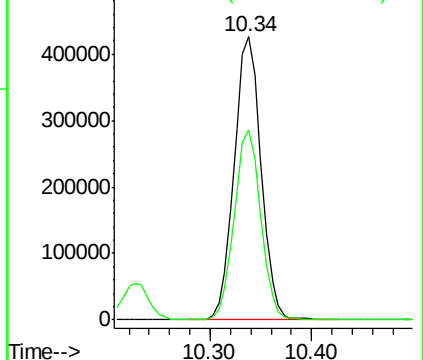


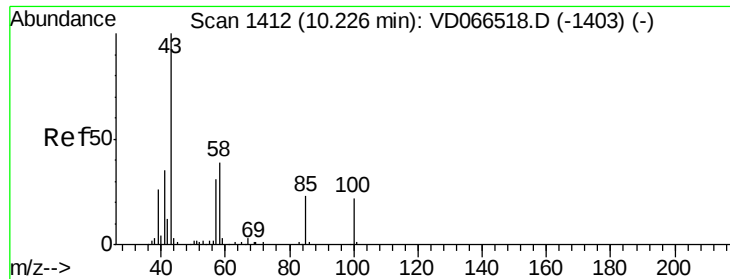
#50
 Toluene-d8
 Concen: 146.986 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Tgt Ion: 98 Resp: 786812
 Ion Ratio Lower Upper
 98 100
 100 66.3 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC
 Ion 100.00 (99.70 to 100.70): VDC

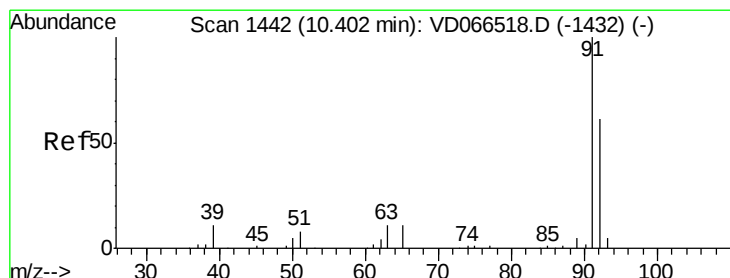
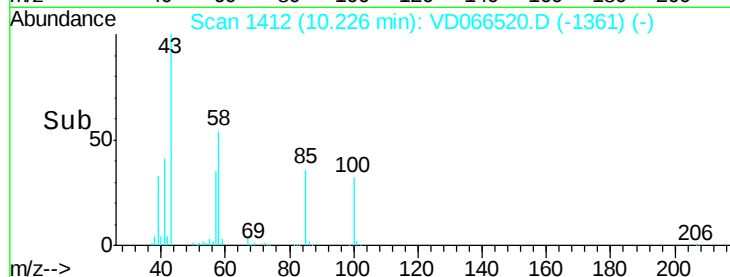
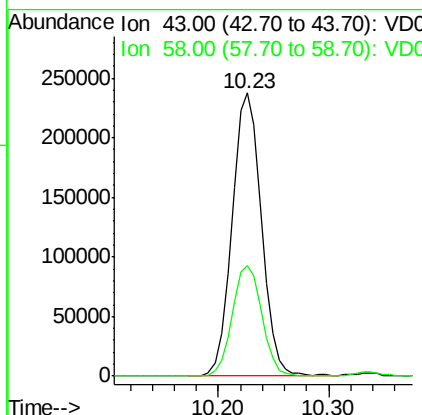
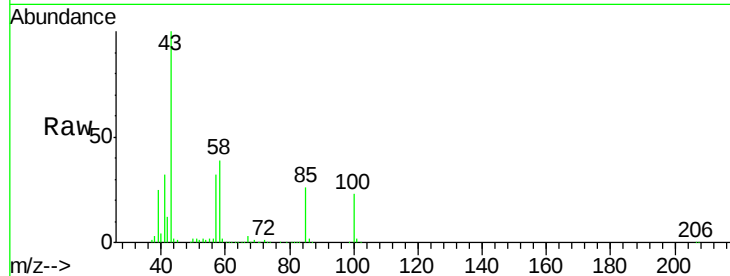




#51
 4-Methyl-2-Pentanone
 Concen: 736.292 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

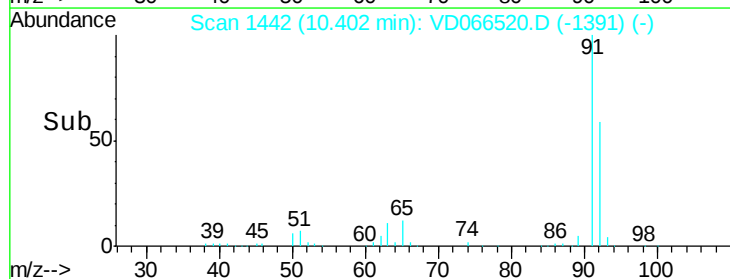
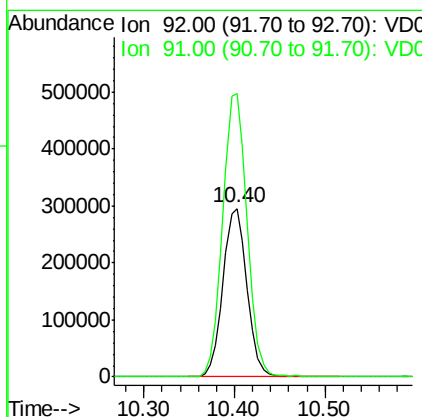
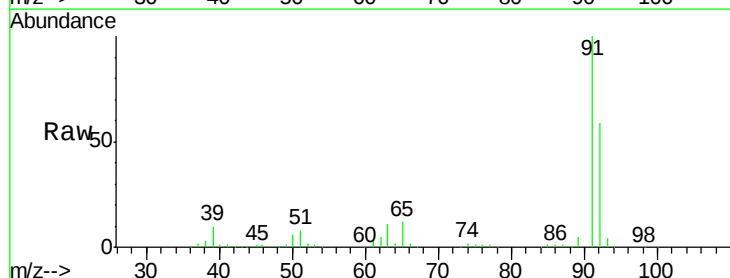
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

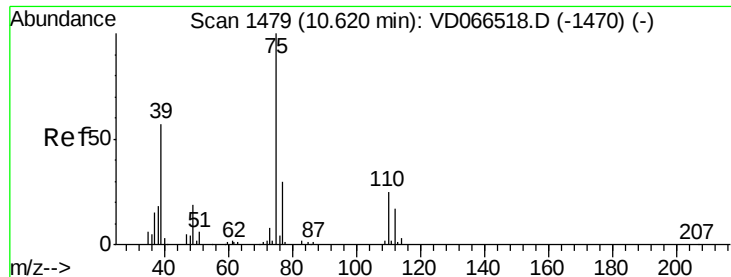
Tgt Ion: 43 Resp: 442336
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.5 47.3



#52
 Toluene
 Concen: 141.871 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Tgt Ion: 92 Resp: 540874
 Ion Ratio Lower Upper
 92 100
 91 171.7 135.0 202.4





#53

t-1,3-Dichloropropene

Concen: 150.137 ug/l

RT: 10.61 min Scan# 1478

Delta R.T. -0.01 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

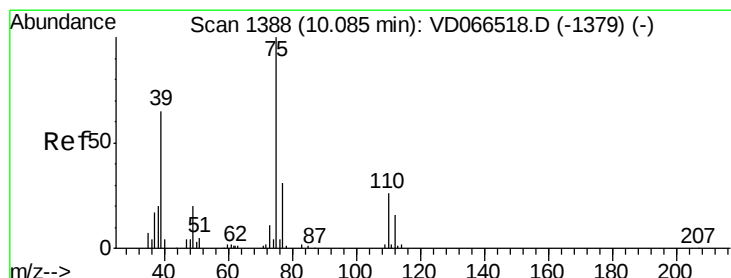
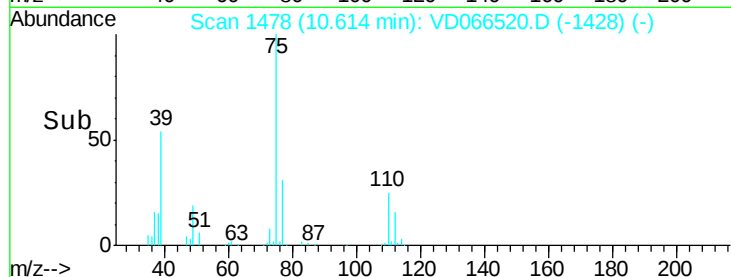
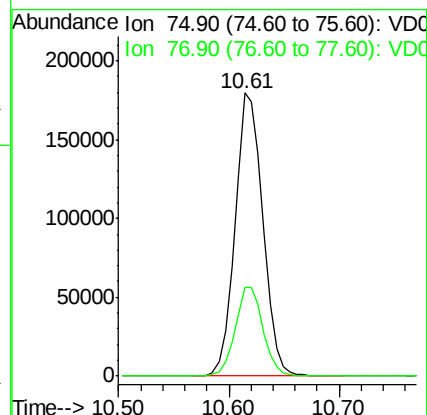
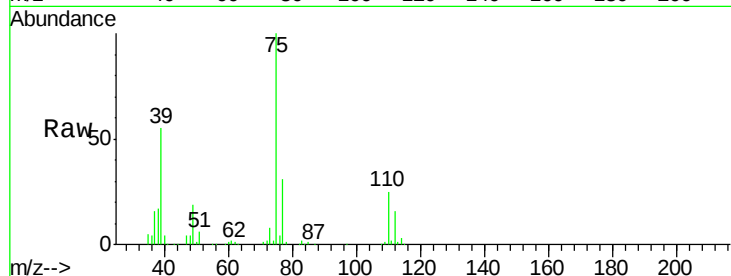
VSTDIC150

Tgt Ion: 75 Resp: 317411

Ion Ratio Lower Upper

75 100

77 31.3 23.7 35.5



#54

cis-1,3-Dichloropropene

Concen: 145.191 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

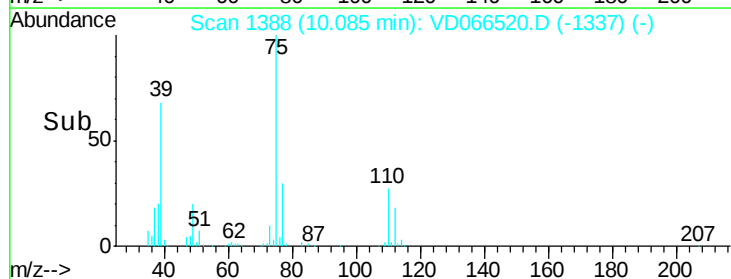
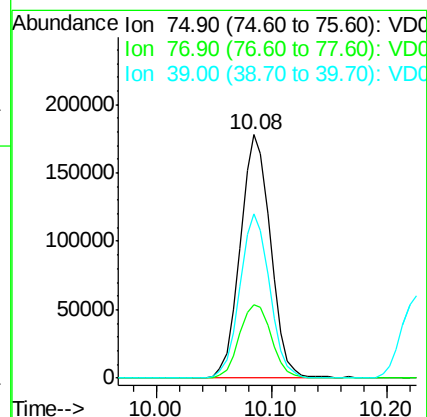
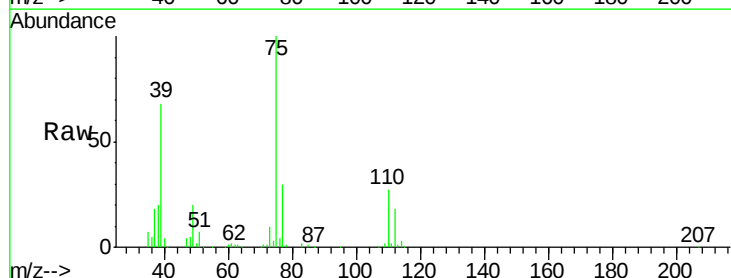
Tgt Ion: 75 Resp: 323375

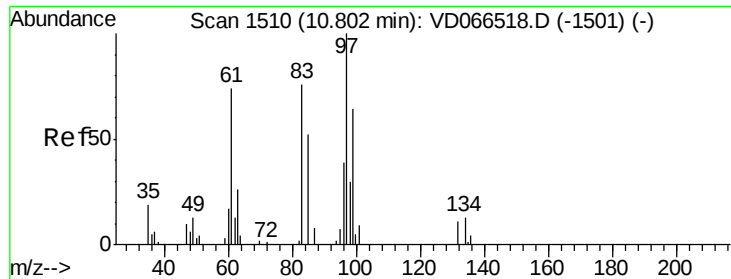
Ion Ratio Lower Upper

75 100

77 29.9 24.5 36.7

39 67.7 52.4 78.6

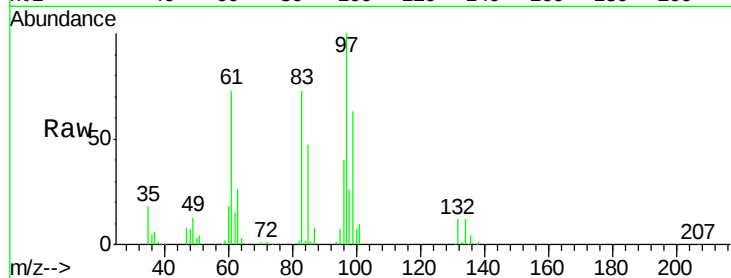




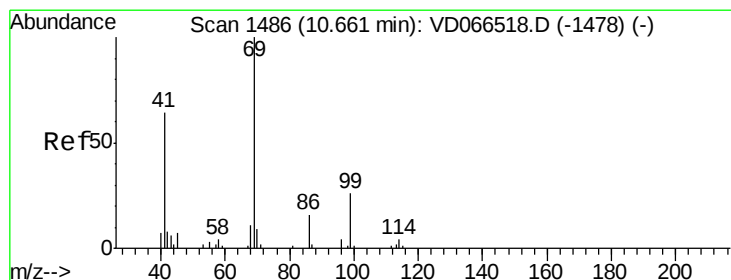
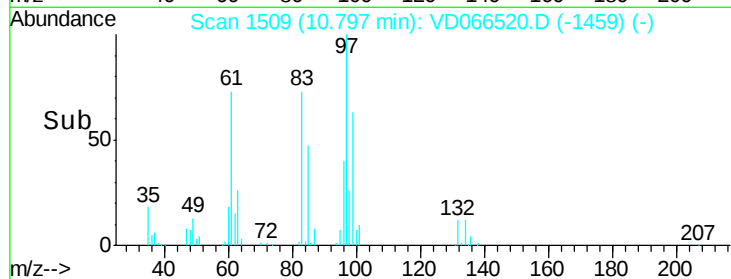
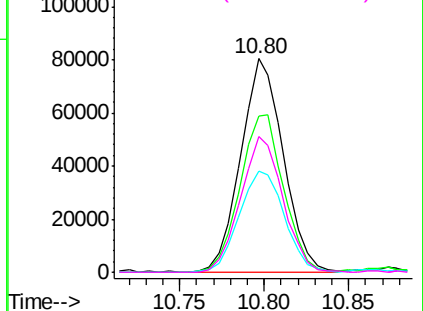
#55
 1,1,2-Trichloroethane
 Concen: 143.610 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion:	97	Resp:	141283
Ion	Ratio	Lower	Upper
97	100		
83	72.9	61.2	91.8
85	47.4	42.0	63.0
99	63.4	51.2	76.8

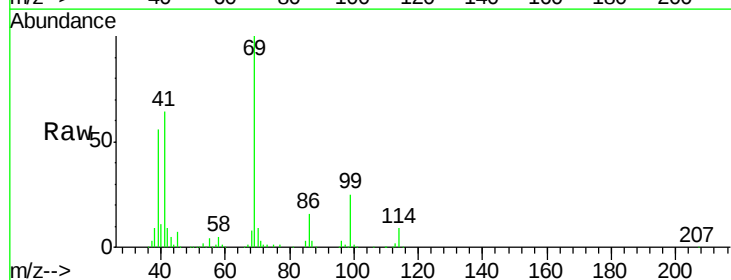


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

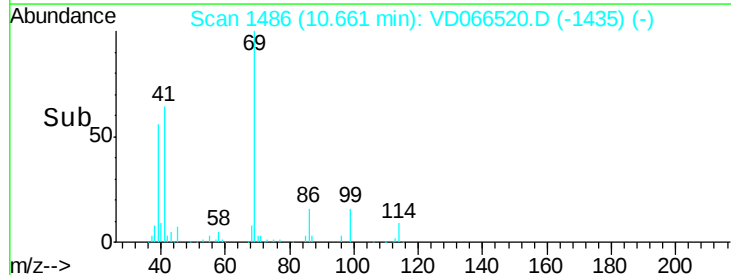
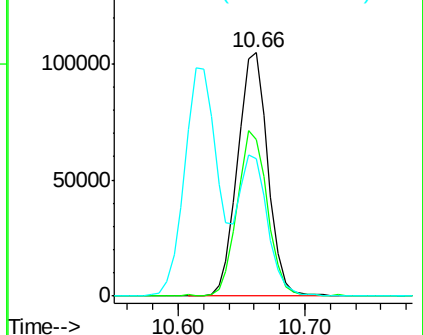


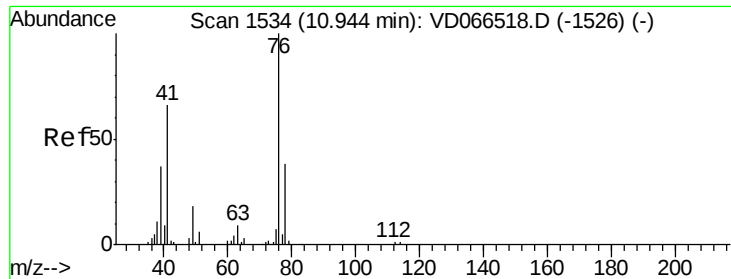
#56
 Ethyl methacrylate
 Concen: 149.888 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Tgt Ion:	69	Resp:	173541
Ion	Ratio	Lower	Upper
69	100		
41	66.9	52.5	78.7
39	52.1	42.1	63.1



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

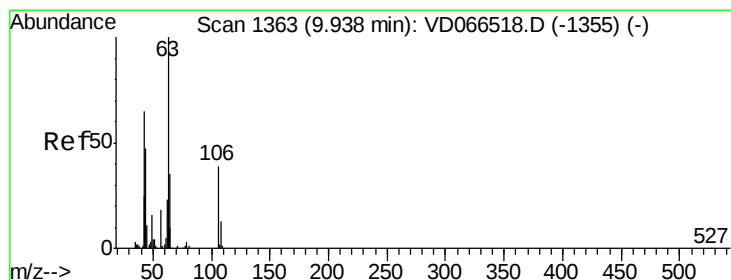
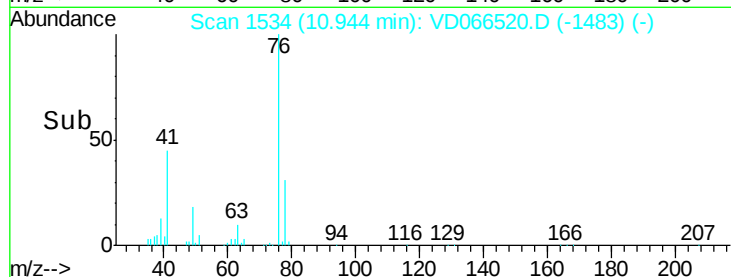
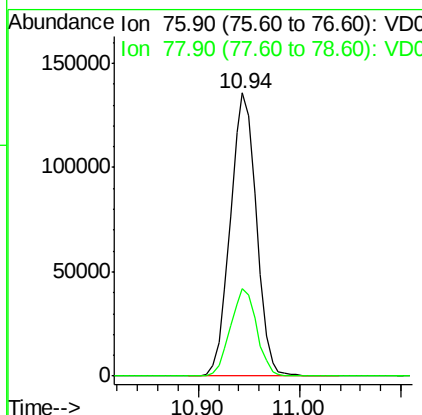
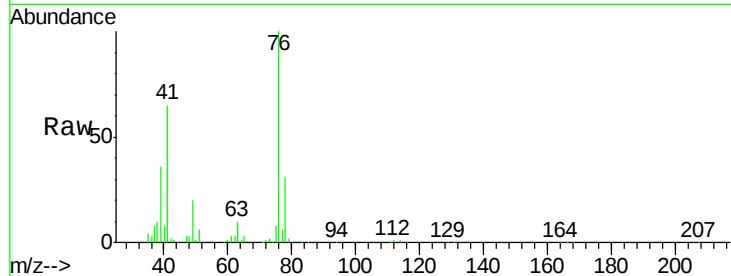




#57
 1,3-Dichloropropane
 Concen: 149.027 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

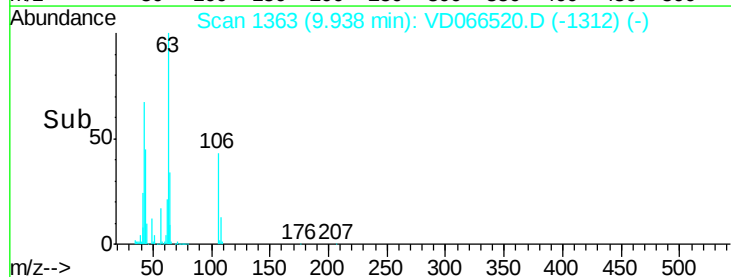
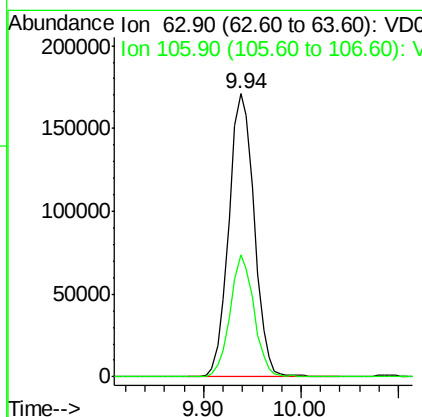
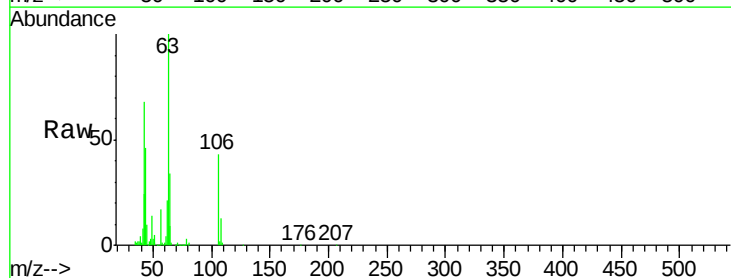
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

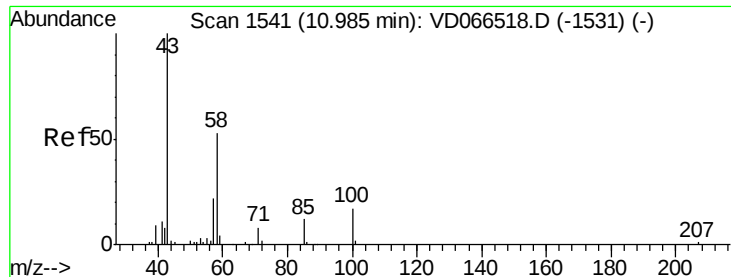
Tgt Ion: 76 Resp: 242121
 Ion Ratio Lower Upper
 76 100
 78 31.4 28.2 42.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 683.971 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Tgt Ion: 63 Resp: 309125
 Ion Ratio Lower Upper
 63 100
 106 40.4 32.1 48.1

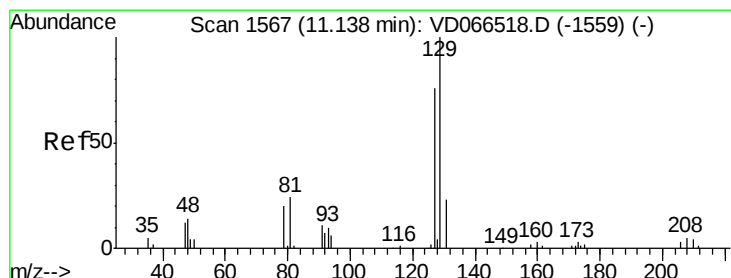
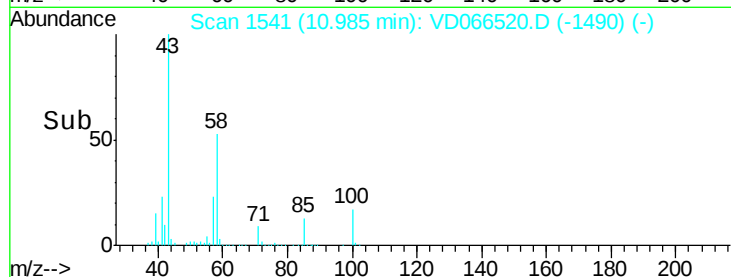
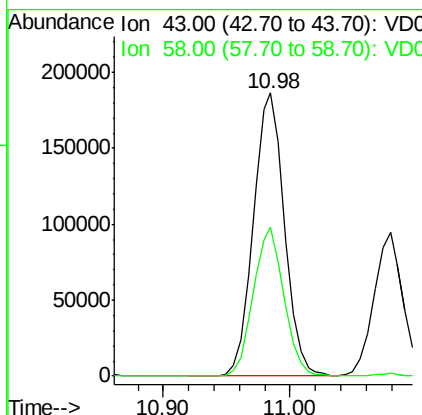
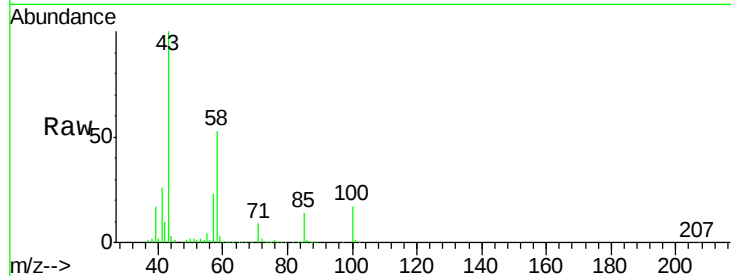




#59
2-Hexanone
Concen: 731.635 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

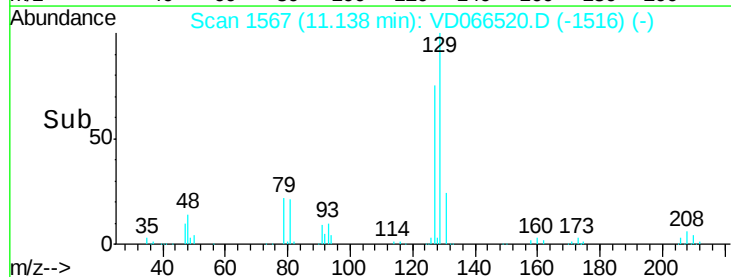
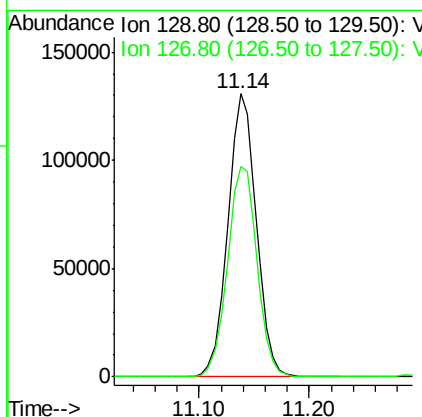
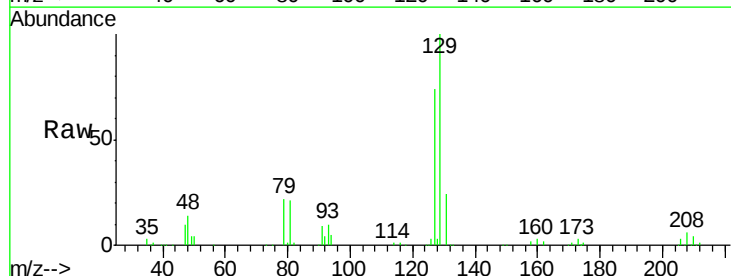
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

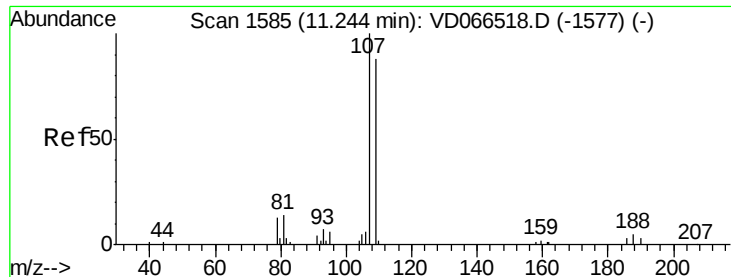
Tgt Ion: 43 Resp: 317445
Ion Ratio Lower Upper
43 100
58 51.8 25.7 77.0



#60
Dibromochloromethane
Concen: 145.414 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion: 129 Resp: 236562
Ion Ratio Lower Upper
129 100
127 77.3 38.2 114.6

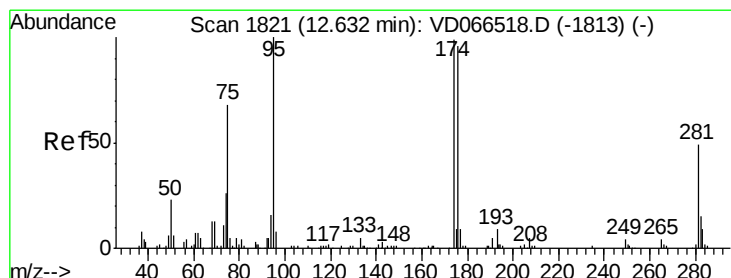
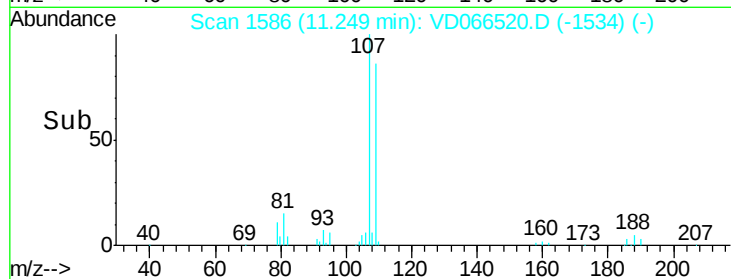
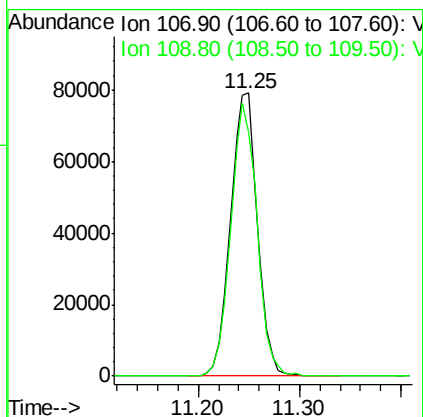
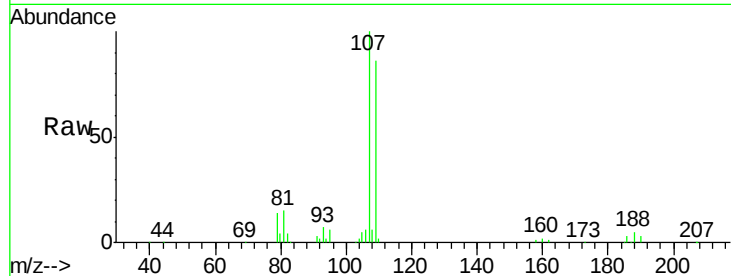




#61
 1,2-Dibromoethane
 Concen: 144.527 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

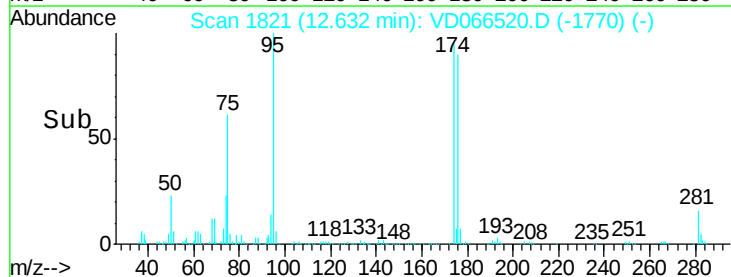
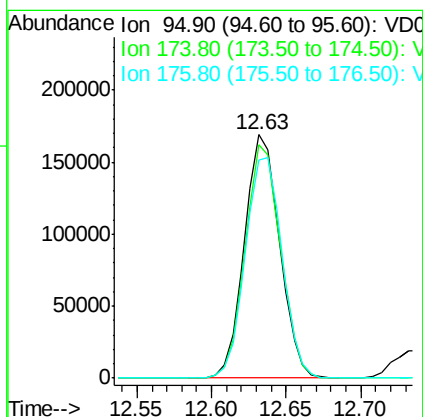
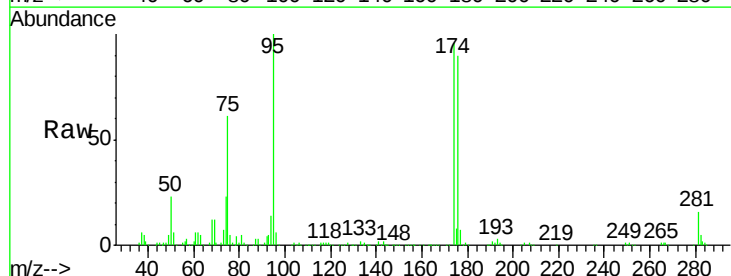
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

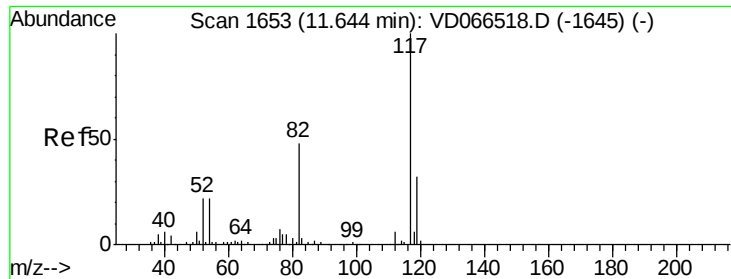
Tgt Ion: 107 Resp: 144934
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 144.840 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Tgt Ion: 95 Resp: 276377
 Ion Ratio Lower Upper
 95 100
 174 96.5 0.0 203.2
 176 94.3 0.0 198.6

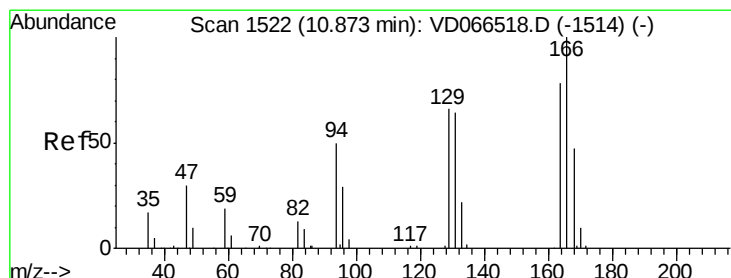
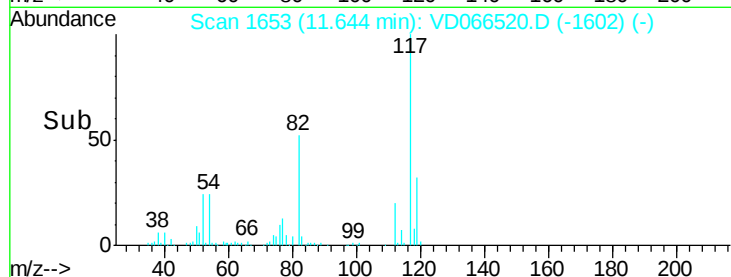
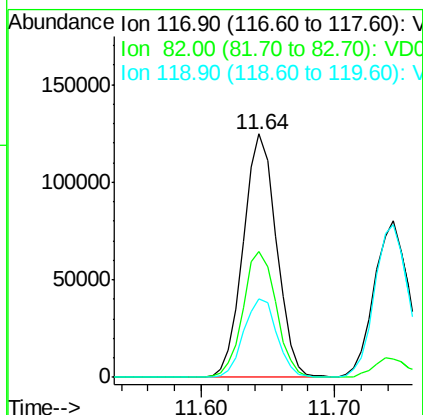
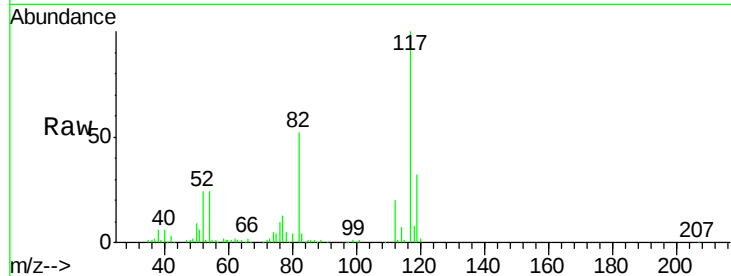




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

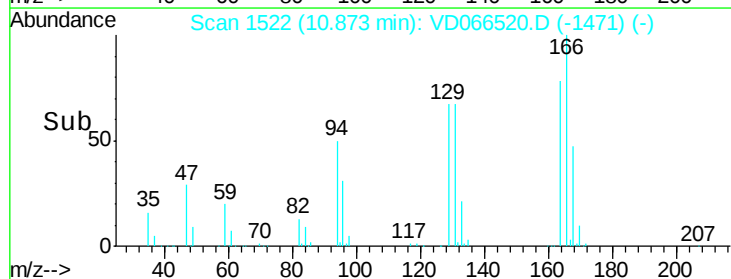
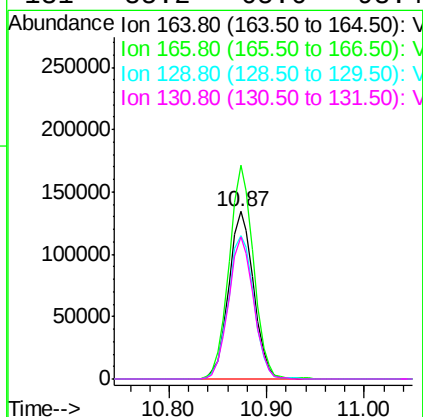
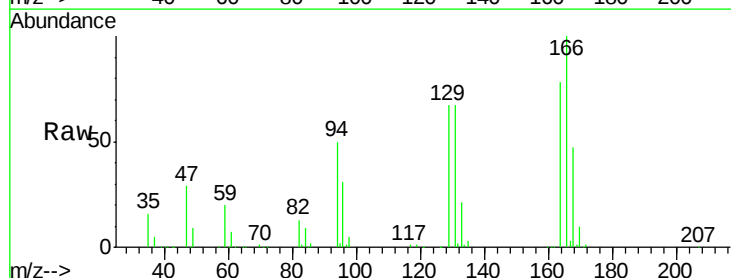
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

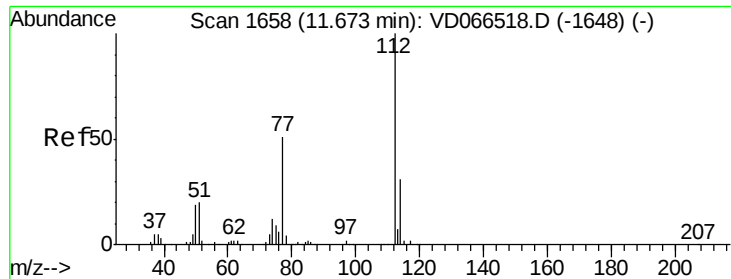
Tgt Ion:117 Resp: 214195
Ion Ratio Lower Upper
117 100
82 51.9 38.5 57.7
119 32.2 25.9 38.9



#64
Tetrachloroethene
Concen: 142.641 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion:164 Resp: 238211
Ion Ratio Lower Upper
164 100
166 127.8 103.0 154.6
129 85.7 68.3 102.5
131 85.2 65.6 98.4

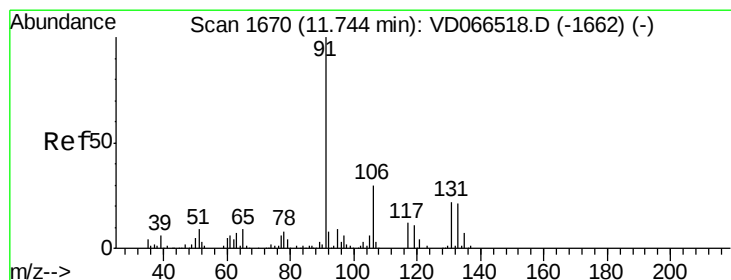
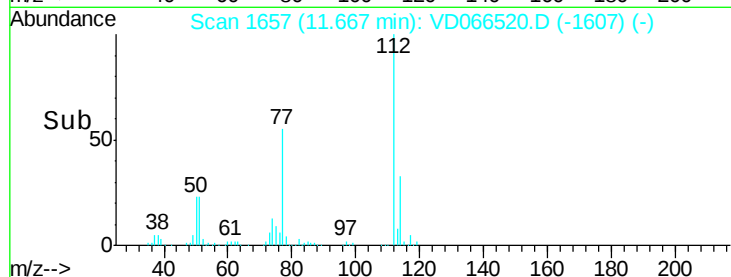
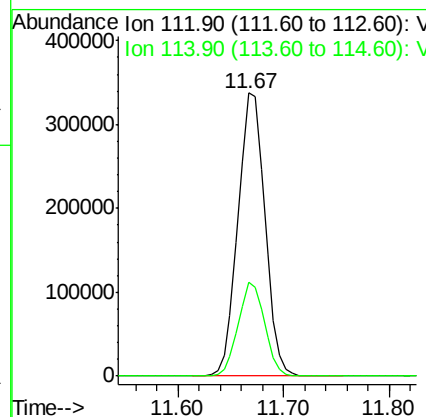
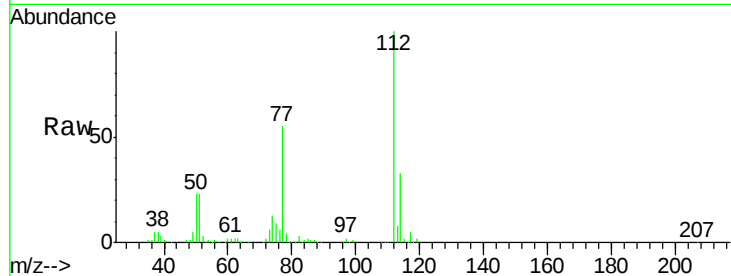




#65
Chlorobenzene
Concen: 141.562 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

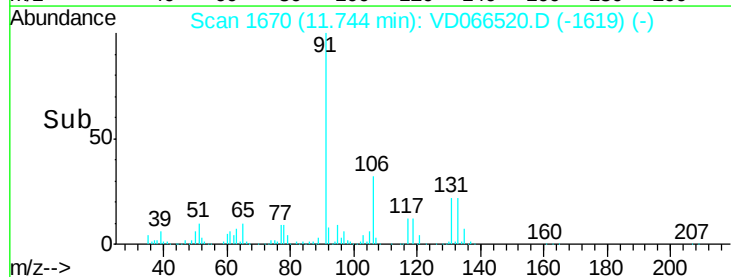
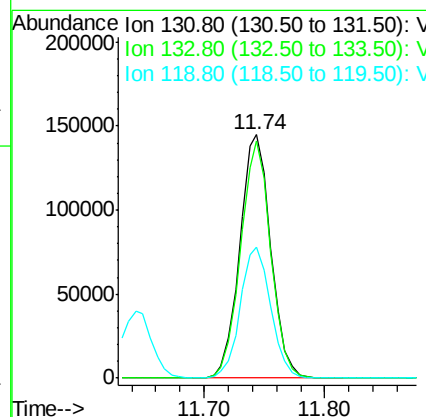
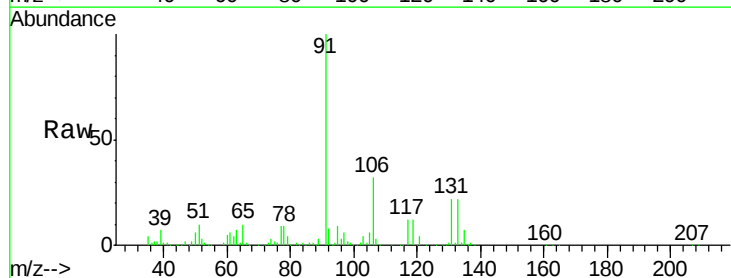
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

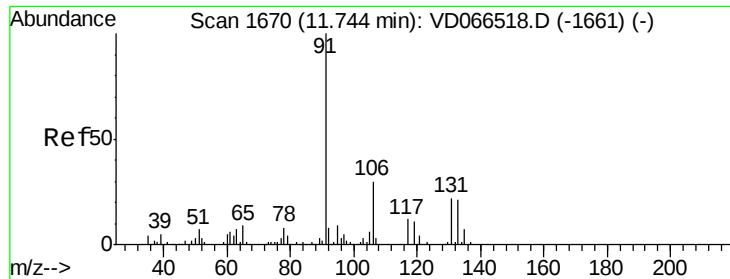
Tgt Ion:112 Resp: 596556
Ion Ratio Lower Upper
112 100
114 33.4 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 144.638 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion:131 Resp: 257889
Ion Ratio Lower Upper
131 100
133 94.7 47.5 142.5
119 53.3 27.2 81.6

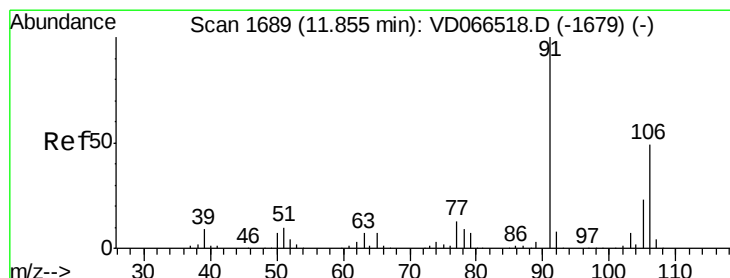
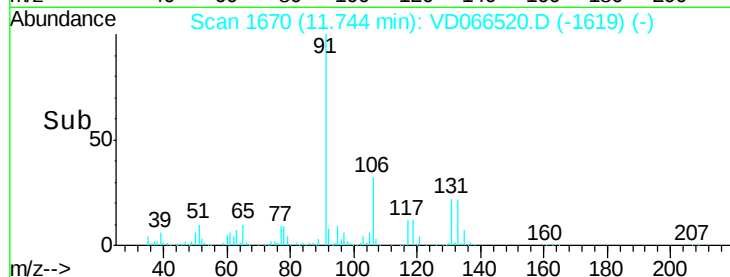
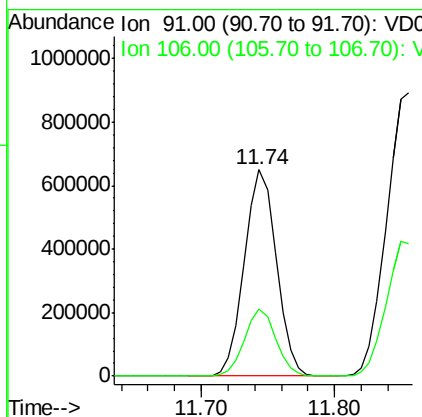
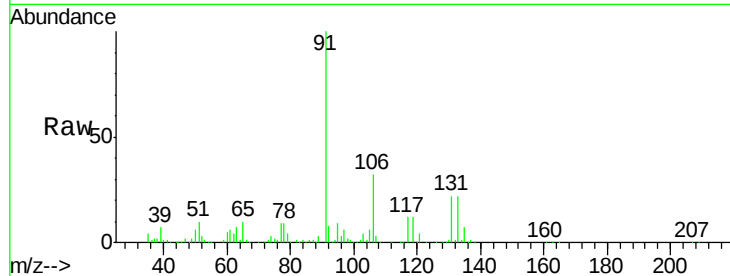




#67
Ethyl Benzene
Concen: 145.254 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

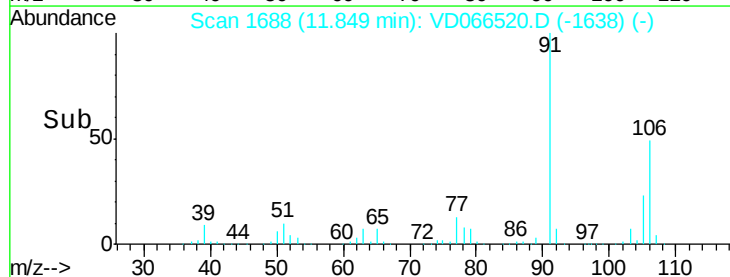
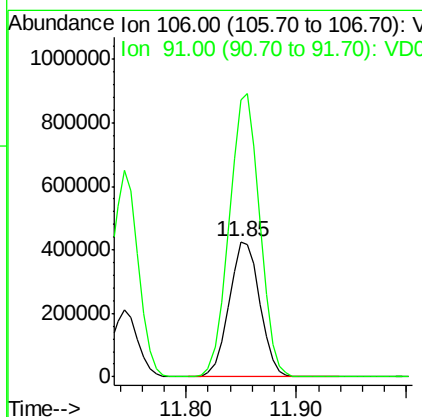
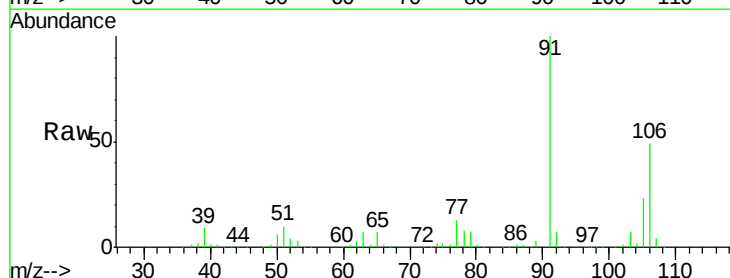
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

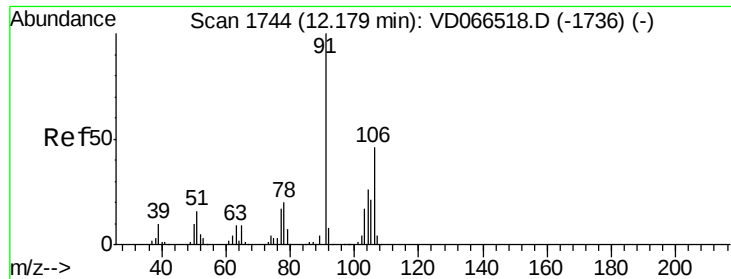
Tgt Ion: 91 Resp: 1078260
Ion Ratio Lower Upper
91 100
106 32.5 24.0 36.0



#68
m/p-Xylenes
Concen: 288.925 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion: 106 Resp: 829832
Ion Ratio Lower Upper
106 100
91 208.3 163.3 244.9

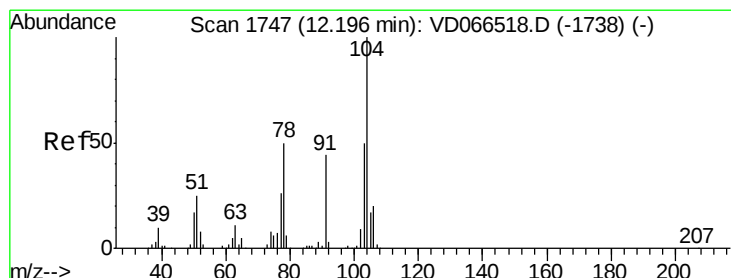
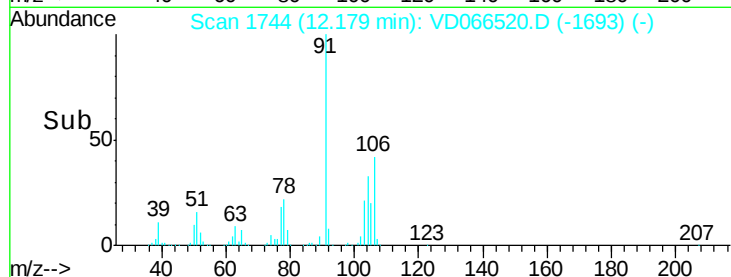
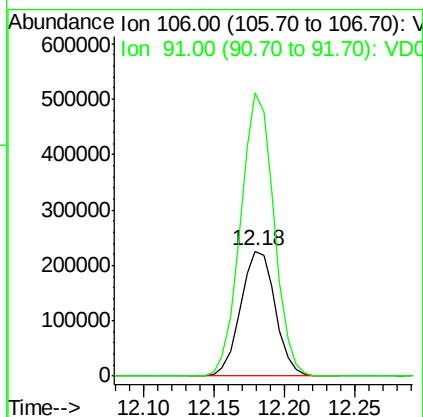
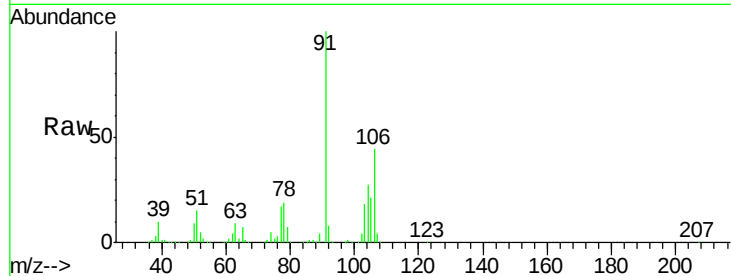




#69
o-Xylene
Concen: 141.769 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

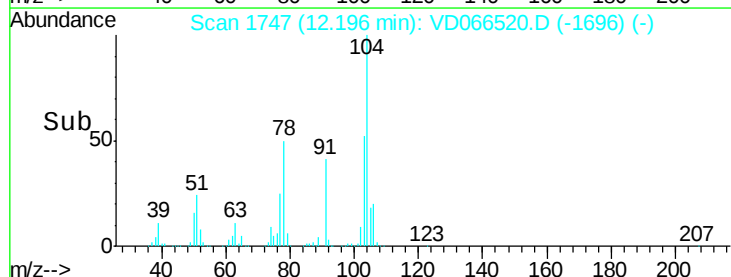
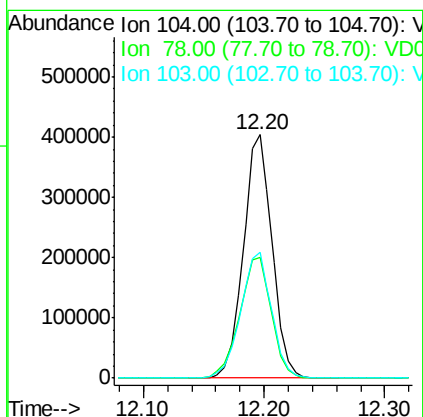
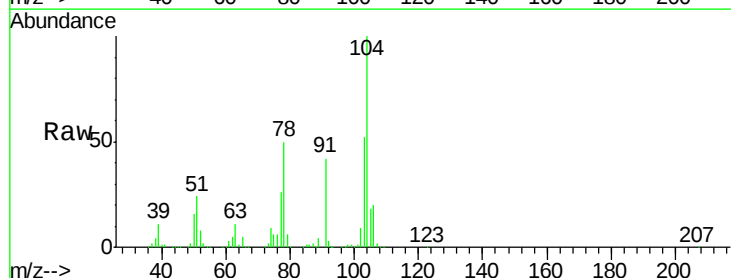
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

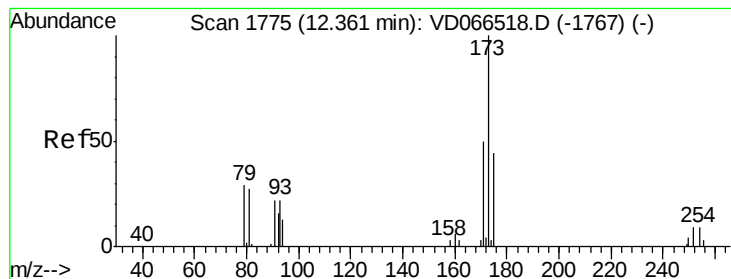
Tgt Ion:106 Resp: 385698
Ion Ratio Lower Upper
106 100
91 218.9 108.7 326.3



#70
Styrene
Concen: 143.414 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion:104 Resp: 667993
Ion Ratio Lower Upper
104 100
78 54.7 44.3 66.5
103 55.4 44.1 66.1





#71

Bromoform

Concen: 152.522 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

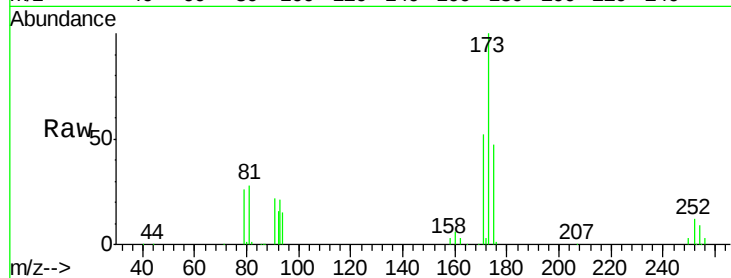
Tgt Ion:173 Resp: 149162

Ion Ratio Lower Upper

173 100

175 47.8 22.3 66.8

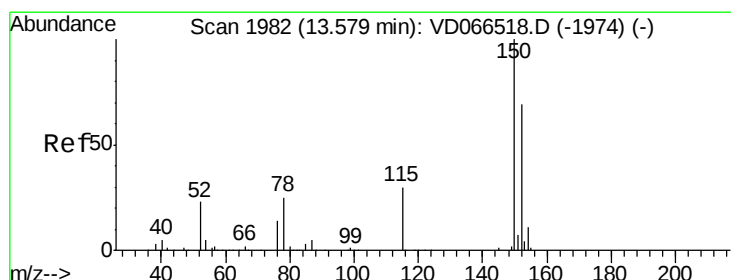
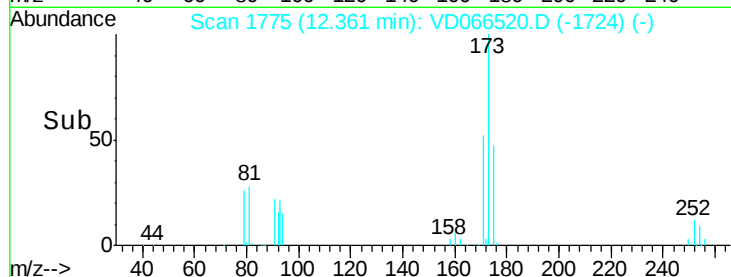
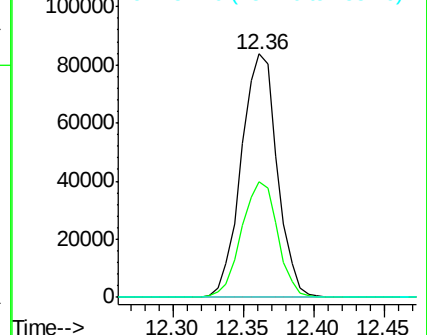
254 0.2 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

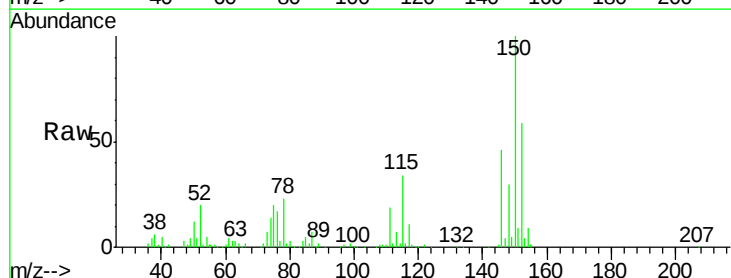
Tgt Ion:152 Resp: 112102

Ion Ratio Lower Upper

152 100

115 57.5 28.9 86.8

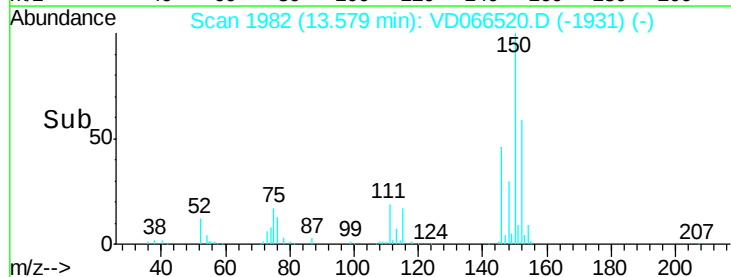
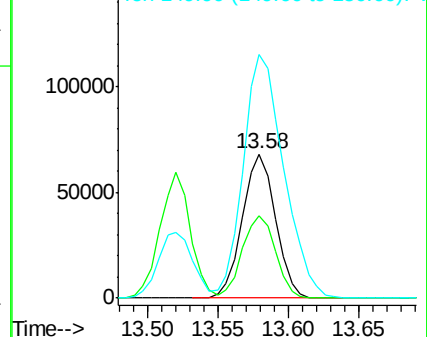
150 206.8 0.0 339.6

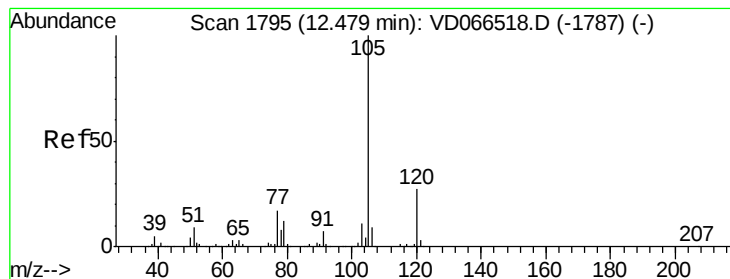


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 144.419 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

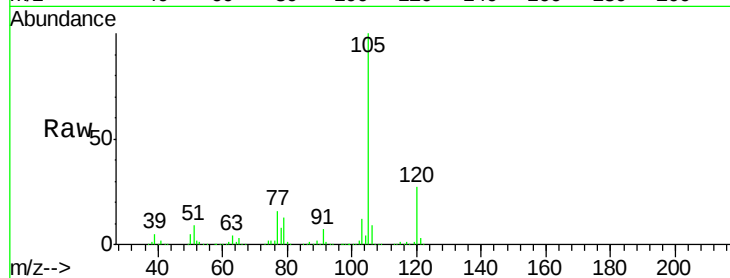
VSTDIC150

Tgt Ion:105 Resp: 1081795

Ion Ratio Lower Upper

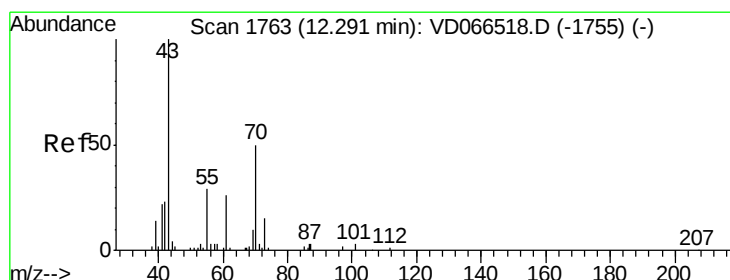
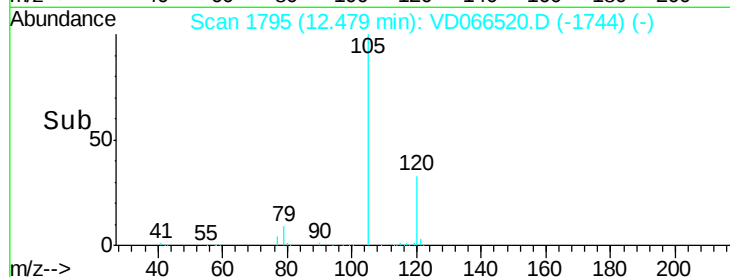
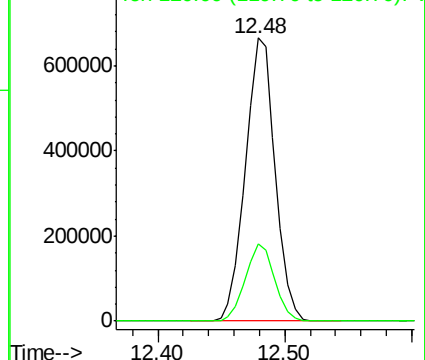
105 100

120 26.8 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 154.771 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Tgt Ion: 43 Resp: 174811

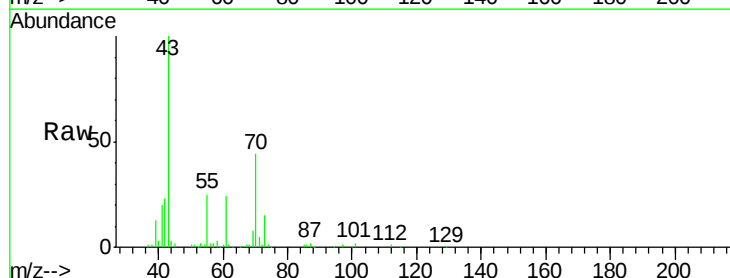
Ion Ratio Lower Upper

43 100

70 44.5 36.2 54.2

55 24.3 20.6 30.8

61 23.7 19.5 29.3

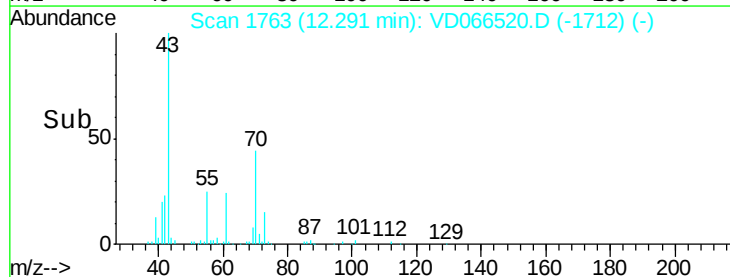
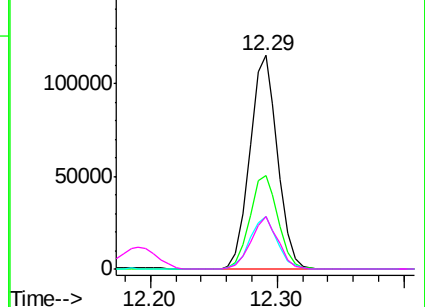


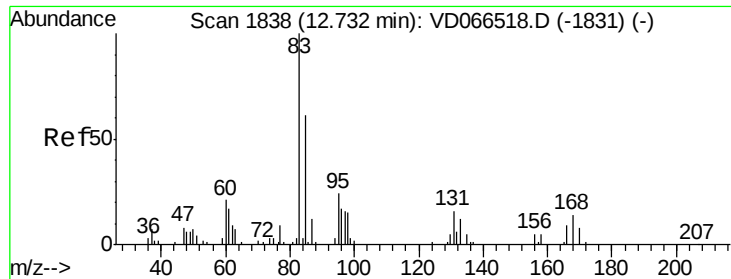
Abundance Ion 43.00 (42.70 to 43.70): V

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: 142.264 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

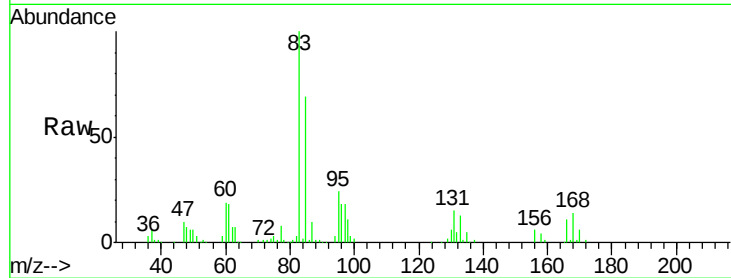
Tgt Ion: 83 Resp: 125926

Ion Ratio Lower Upper

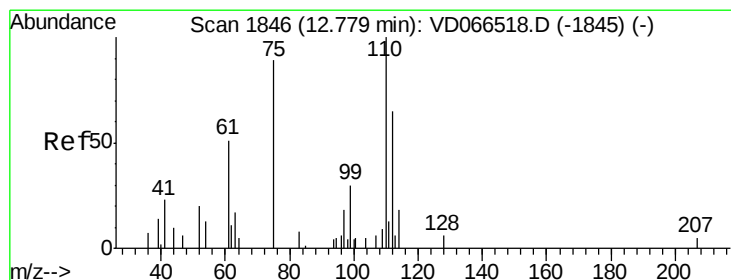
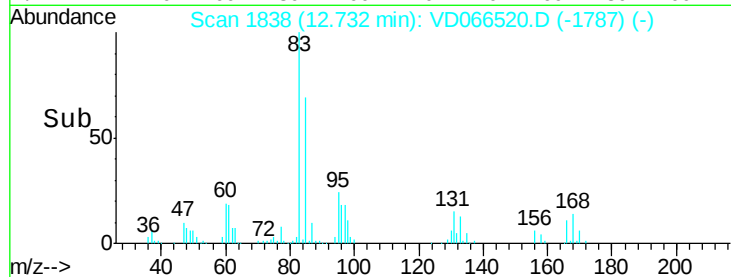
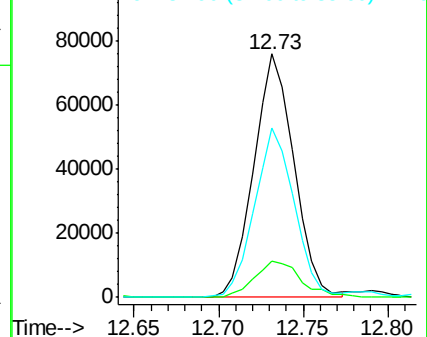
83 100

131 17.3 8.3 24.9

85 68.9 32.6 97.7



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: 291.052 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.01 min

Lab File: VD066520.D

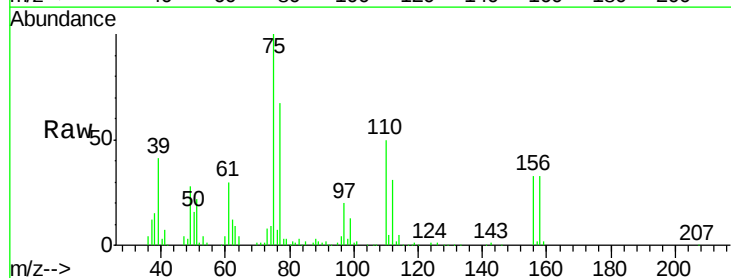
Acq: 02 Sep 2020 13:37

Tgt Ion: 75 Resp: 206078

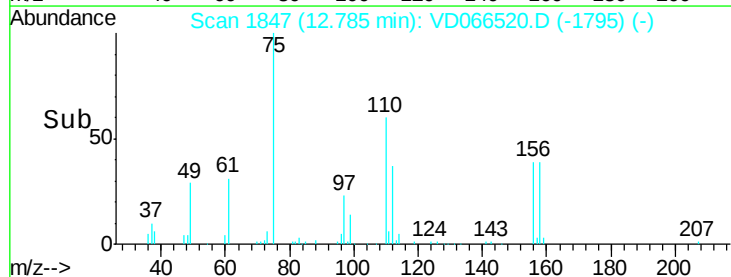
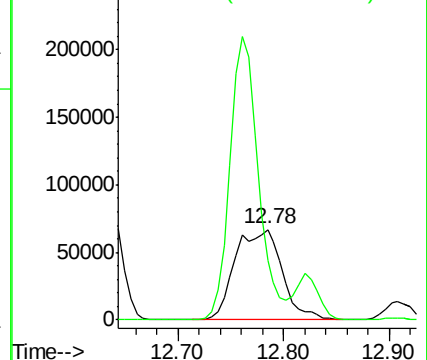
Ion Ratio Lower Upper

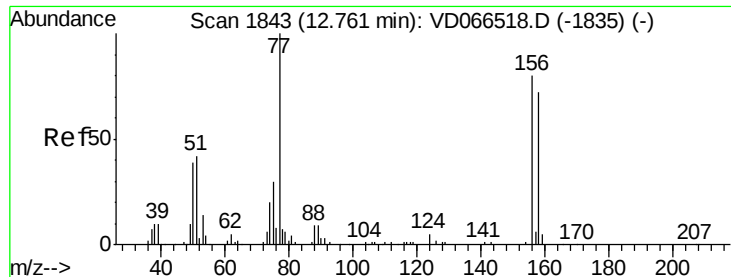
75 100

77 0.0 196.9 590.7#



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





#77

Bromobenzene

Concen: 144.196 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

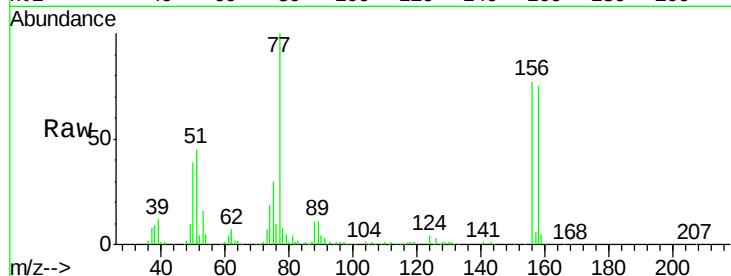
Tgt Ion:156 Resp: 274099

Ion Ratio Lower Upper

156 100

77 142.2 71.0 213.2

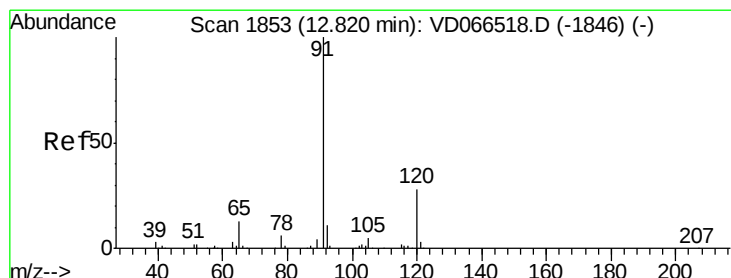
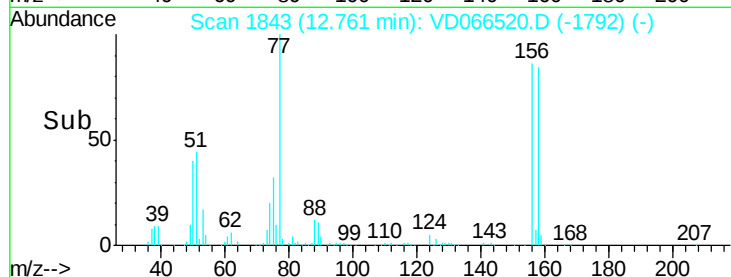
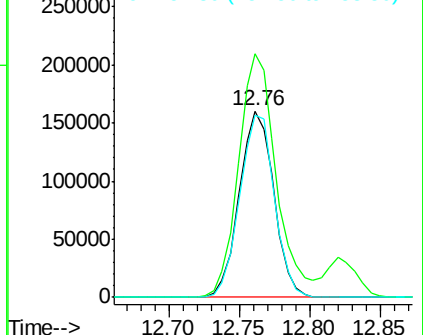
158 98.6 49.5 148.7



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: 144.382 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066520.D

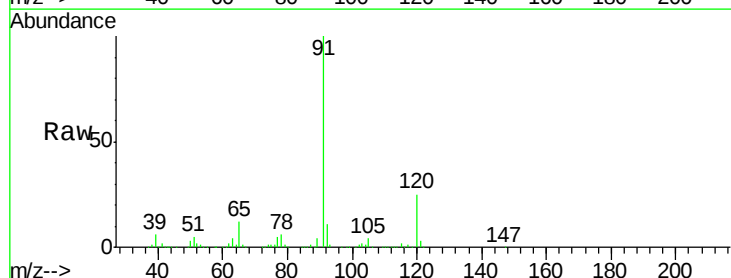
Acq: 02 Sep 2020 13:37

Tgt Ion: 91 Resp: 1178528

Ion Ratio Lower Upper

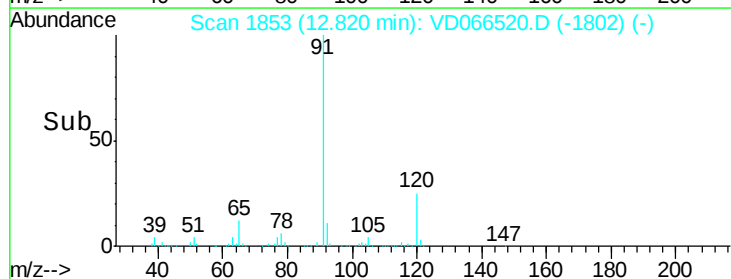
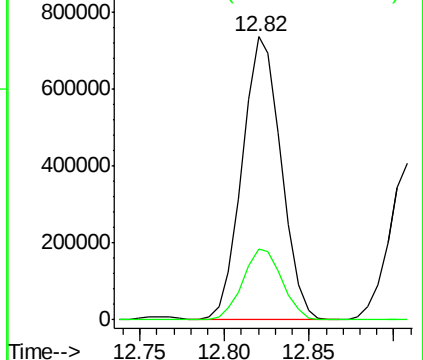
91 100

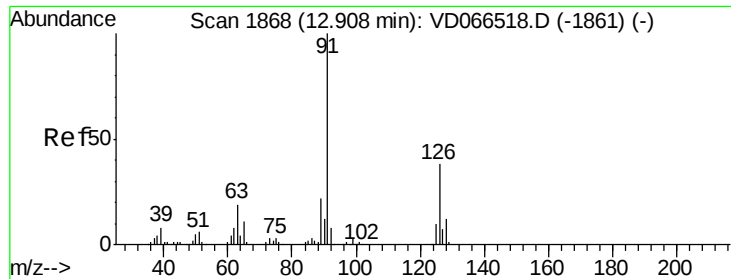
120 25.2 13.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

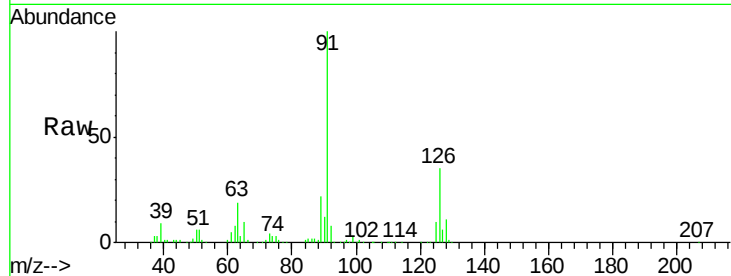




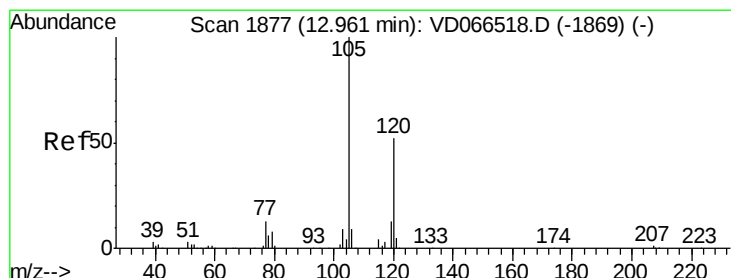
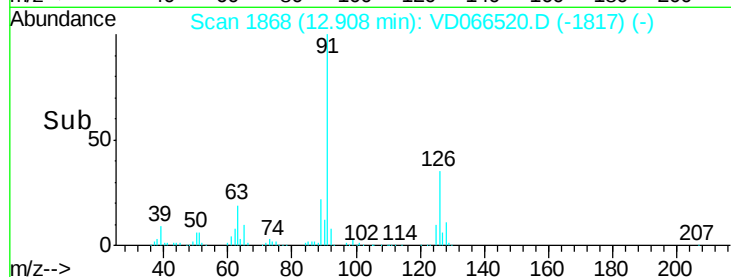
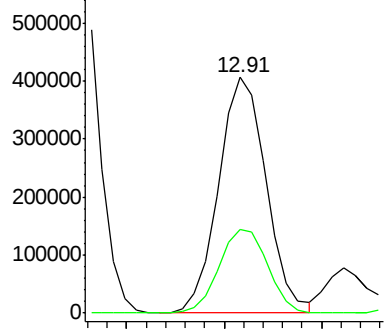
#79
 2-Chlorotoluene
 Concen: 145.405 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion: 91 Resp: 686728
 Ion Ratio Lower Upper
 91 100
 126 36.4 18.7 56.1

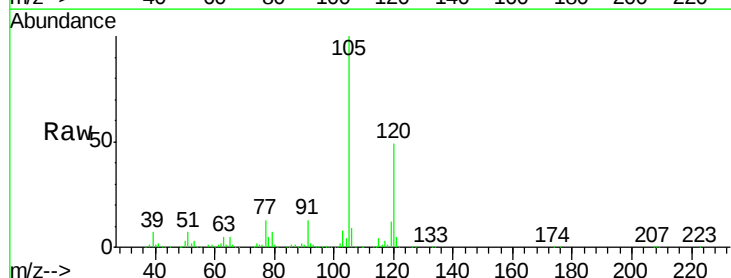


Abundance Ion 91.00 (90.70 to 91.70): VD
 Ion 125.90 (125.60 to 126.60): V

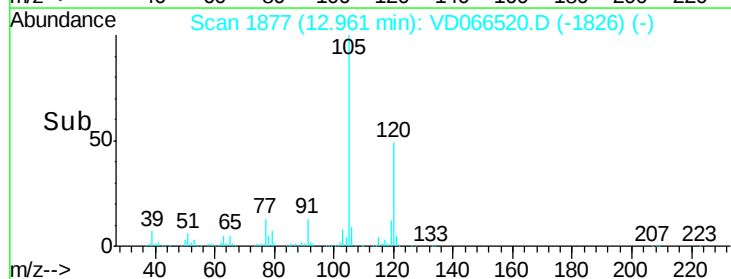
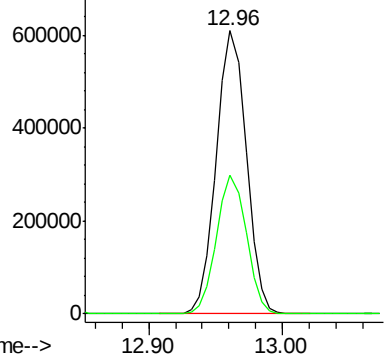


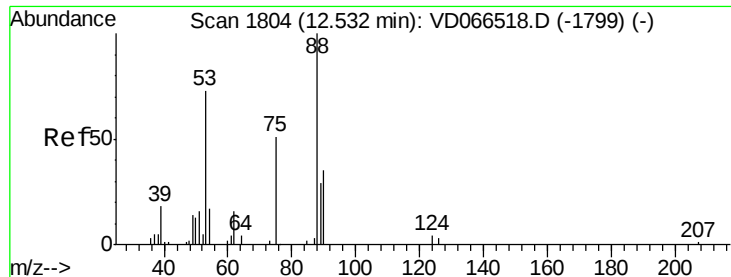
#80
 1,3,5-Trimethylbenzene
 Concen: 145.732 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Tgt Ion: 105 Resp: 949080
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.8 74.4



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





#81

trans-1,4-Dichloro-2-butene

Concen: 151.145 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

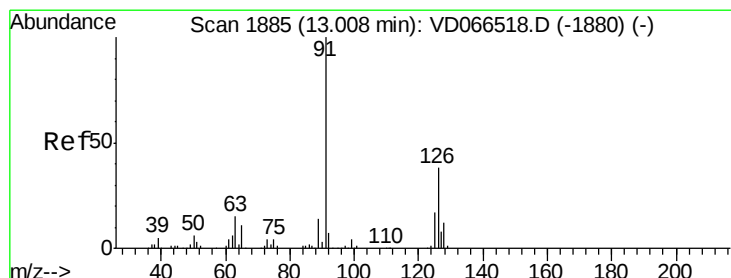
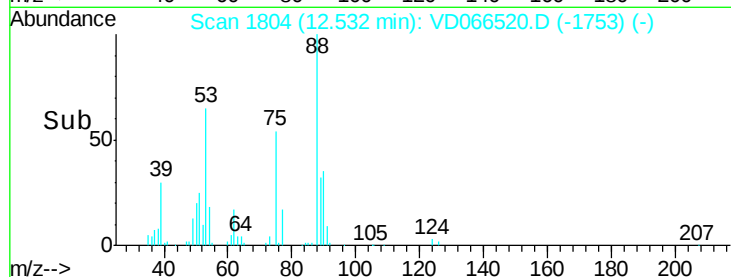
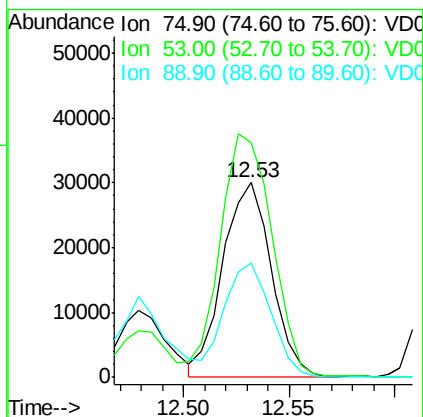
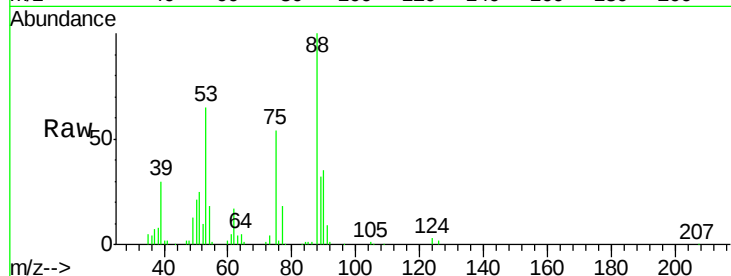
Tgt Ion: 75 Resp: 47863

Ion Ratio Lower Upper

75 100

53 135.5 101.8 152.8

89 56.2 46.0 69.0



#82

4-Chlorotoluene

Concen: 143.851 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066520.D

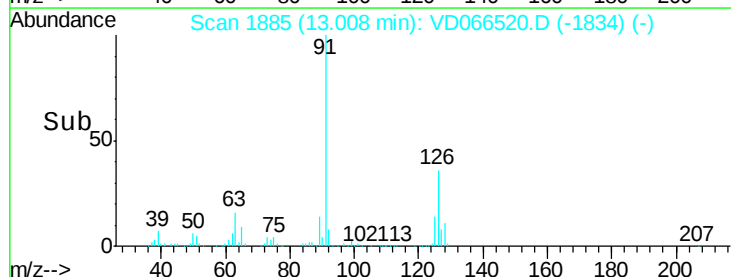
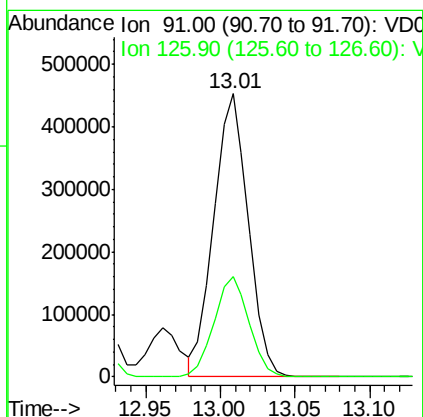
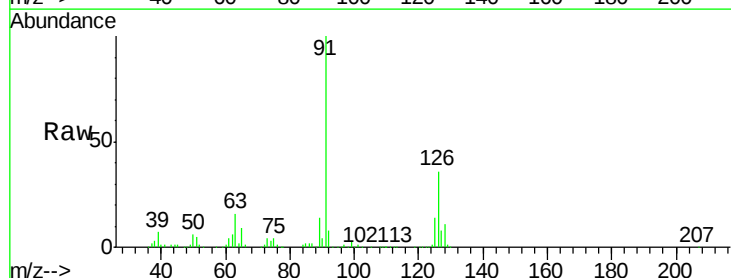
Acq: 02 Sep 2020 13:37

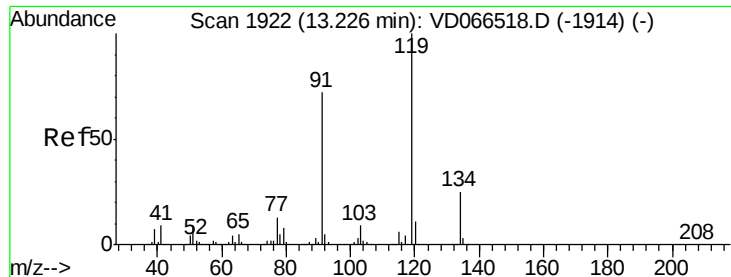
Tgt Ion: 91 Resp: 729736

Ion Ratio Lower Upper

91 100

126 36.1 18.2 54.6

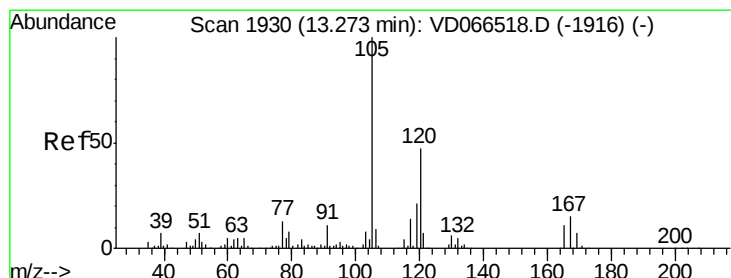
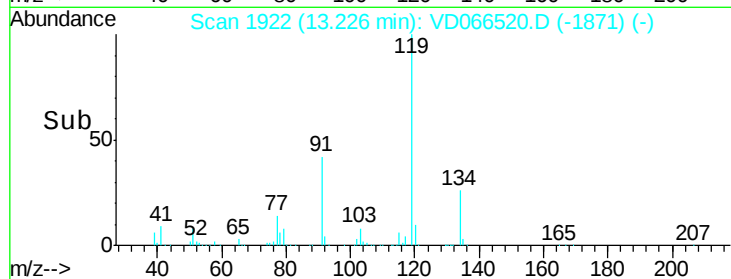
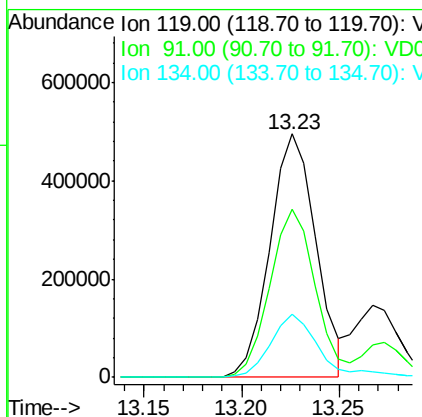
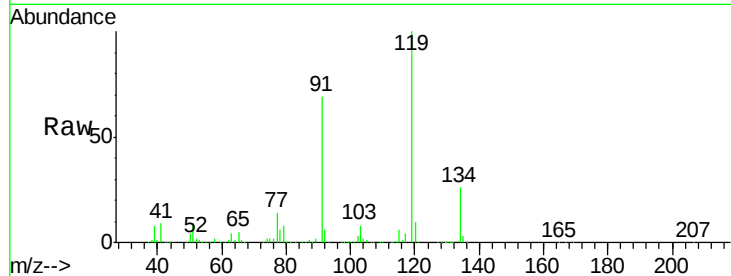




#83
 tert-Butylbenzene
 Concen: 141.079 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

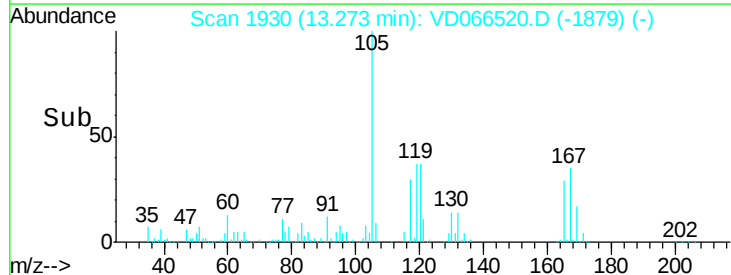
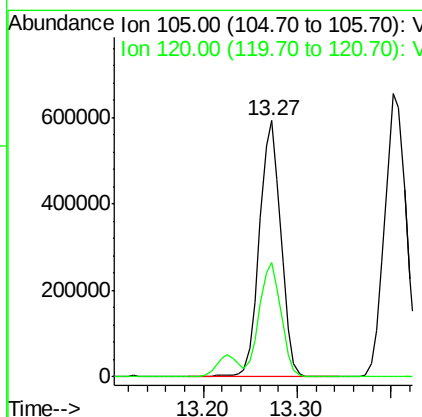
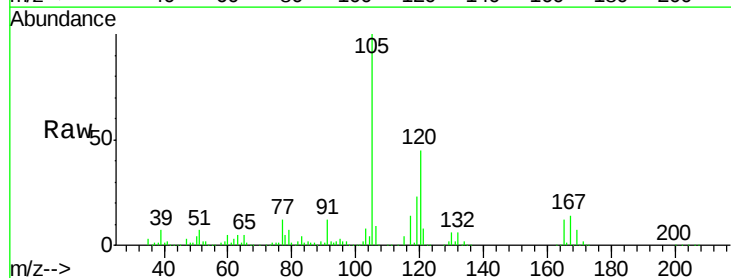
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

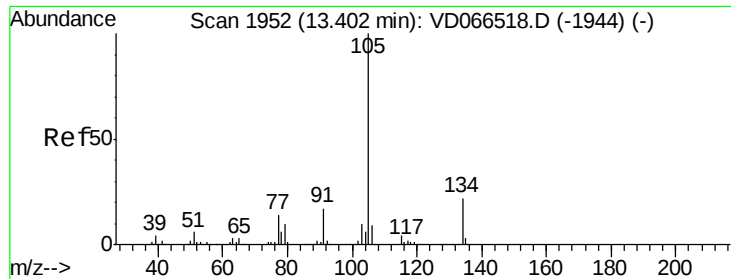
Tgt Ion:119 Resp: 805860
 Ion Ratio Lower Upper
 119 100
 91 68.9 34.4 103.2
 134 27.6 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 144.075 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Tgt Ion:105 Resp: 938427
 Ion Ratio Lower Upper
 105 100
 120 44.9 21.7 65.1

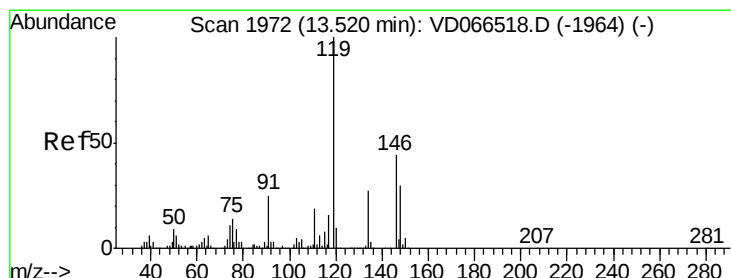
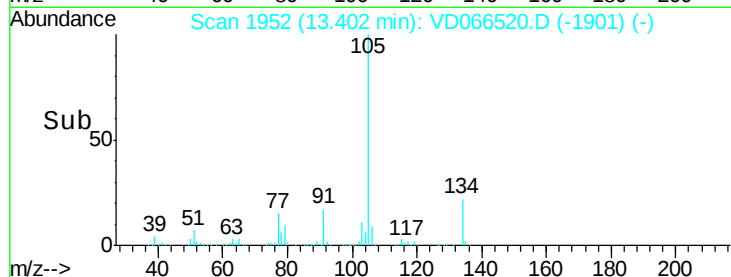
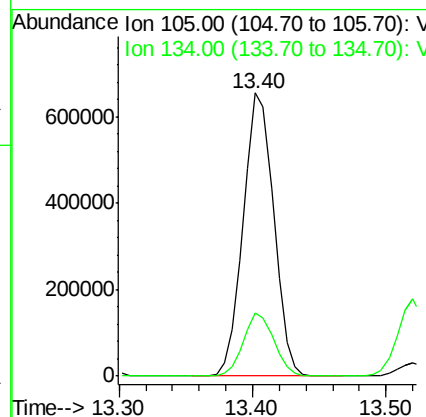
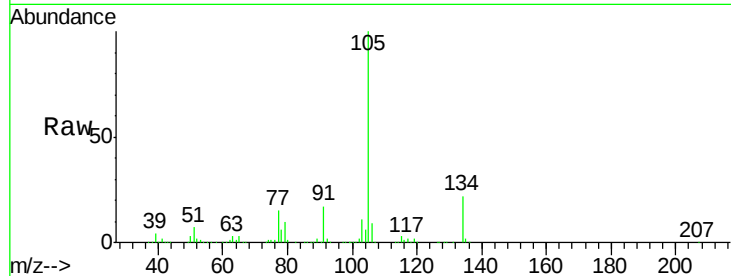




#85
 sec-Butylbenzene
 Concen: 143.509 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

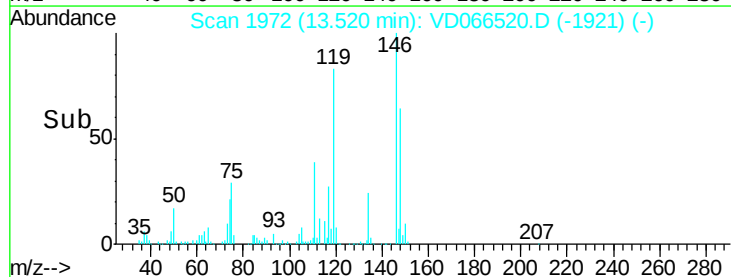
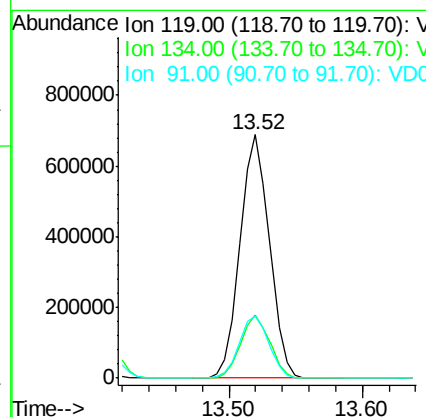
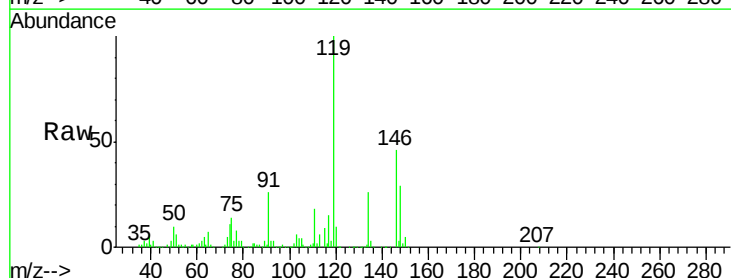
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

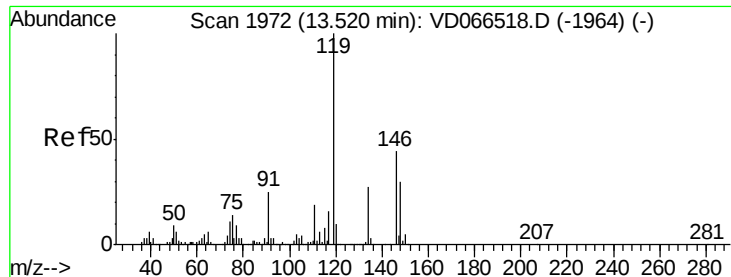
Tgt Ion:105 Resp: 1038489
 Ion Ratio Lower Upper
 105 100
 134 22.1 11.5 34.4



#86
 p-Isopropyltoluene
 Concen: 144.969 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Tgt Ion:119 Resp: 1048539
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.5 40.4
 91 26.1 13.0 39.0





#87

1,3-Dichlorobenzene

Concen: 145.841 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

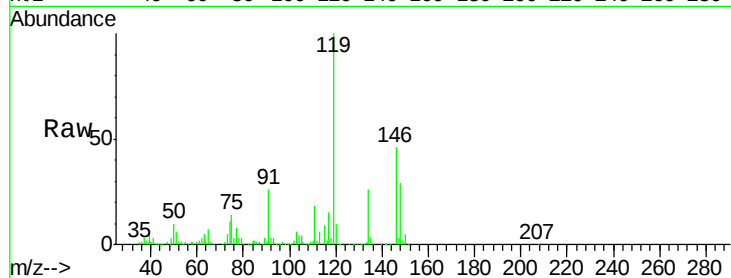
Tgt Ion:146 Resp: 514162

Ion Ratio Lower Upper

146 100

111 38.6 20.3 61.0

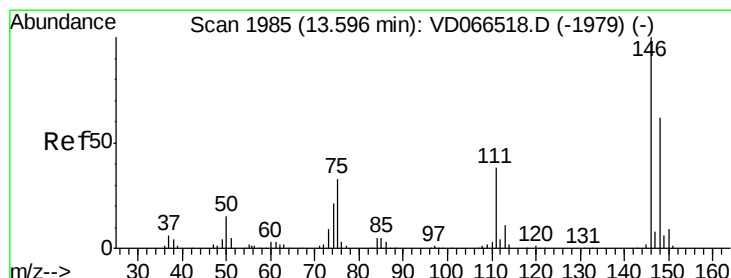
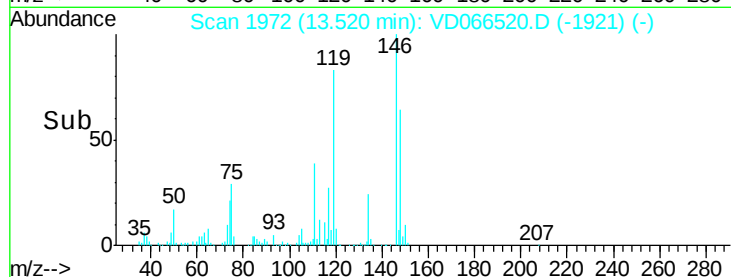
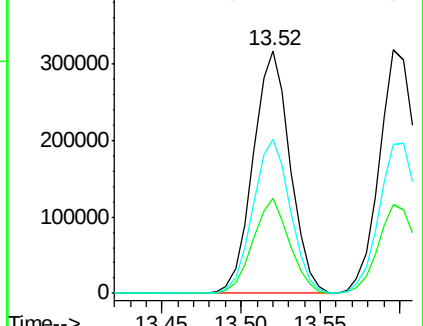
148 64.0 32.3 96.9



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



#88

1,4-Dichlorobenzene

Concen: 144.498 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

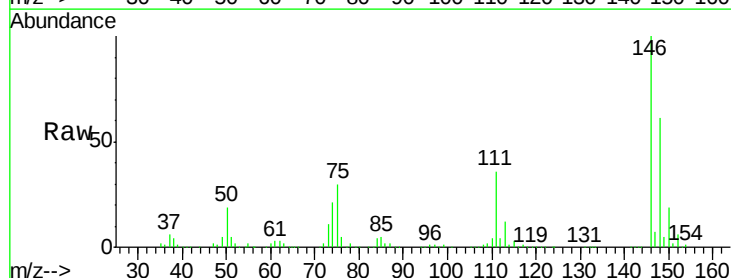
Tgt Ion:146 Resp: 515354

Ion Ratio Lower Upper

146 100

111 36.9 18.4 55.4

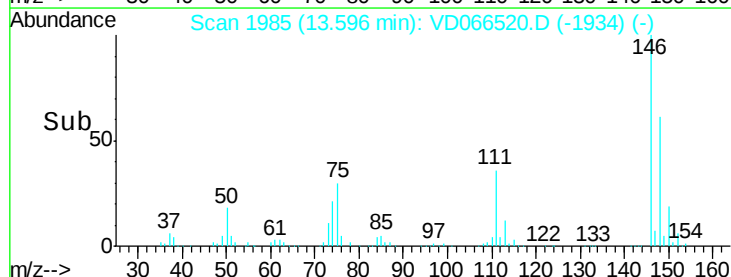
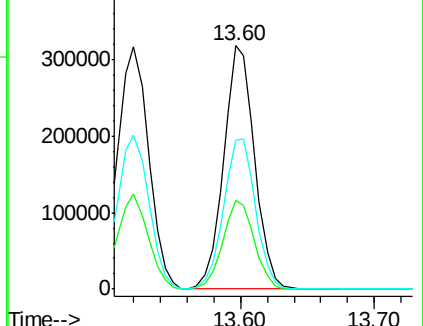
148 64.1 31.5 94.5

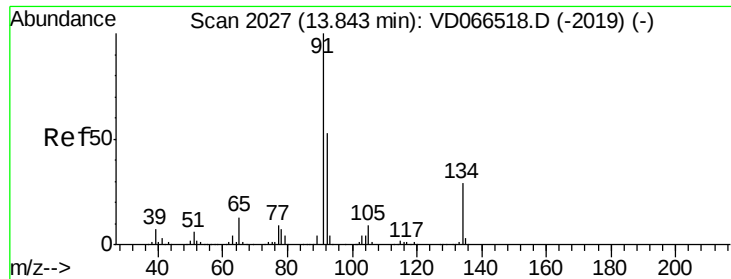


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

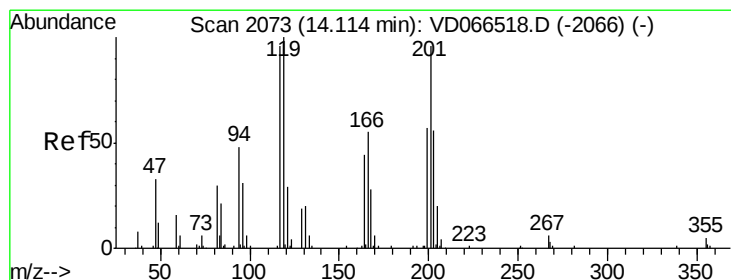
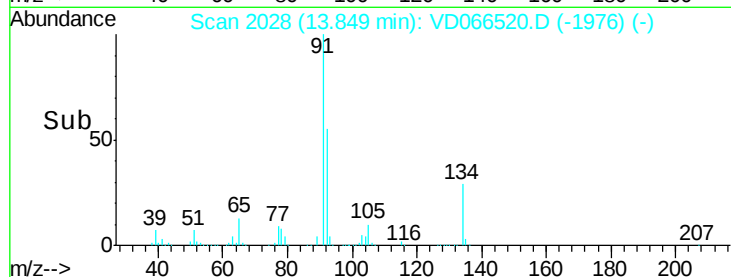
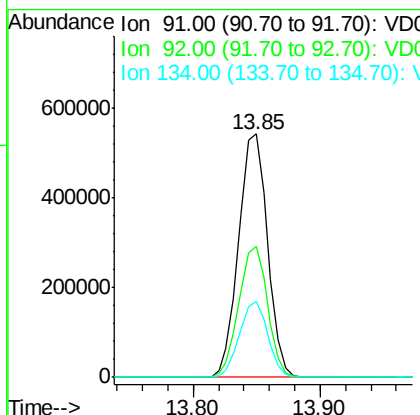
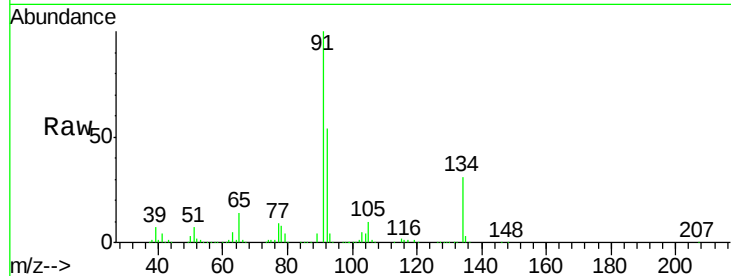




#89
n-Butylbenzene
Concen: 141.917 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

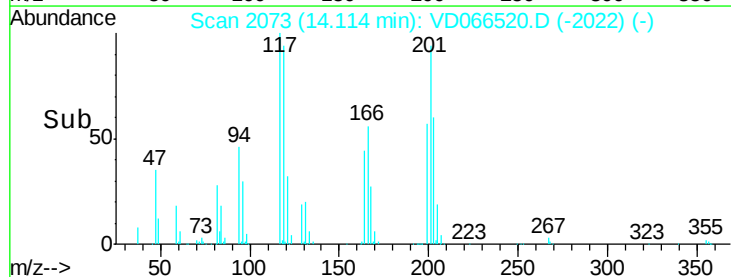
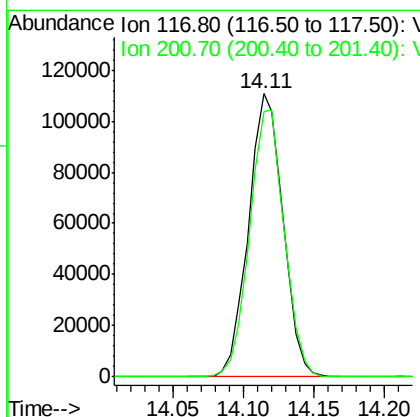
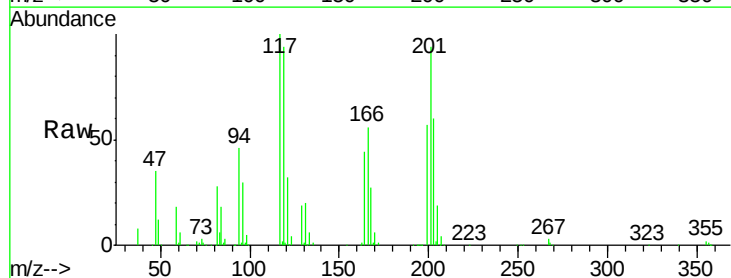
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

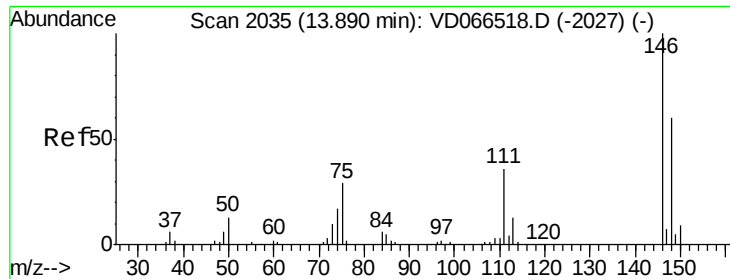
Tgt Ion: 91 Resp: 859782
Ion Ratio Lower Upper
91 100
92 53.5 26.9 80.7
134 30.4 15.0 45.1



#90
Hexachloroethane
Concen: 146.134 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion: 117 Resp: 189676
Ion Ratio Lower Upper
117 100
201 94.9 50.0 150.0

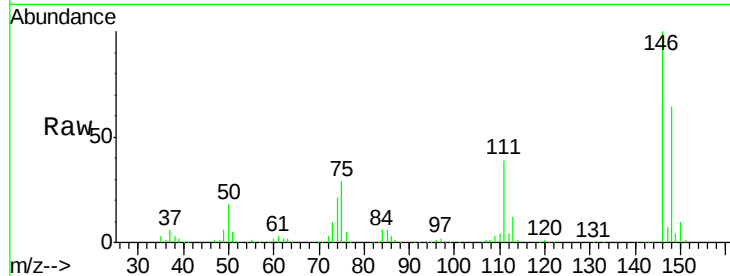




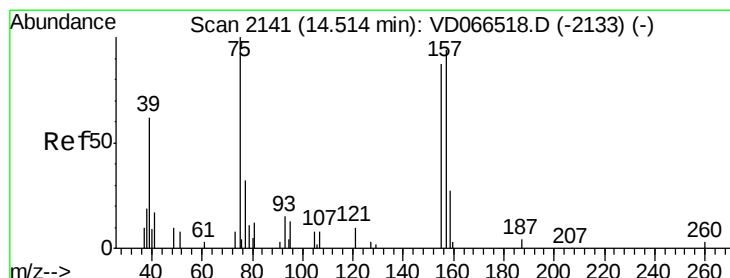
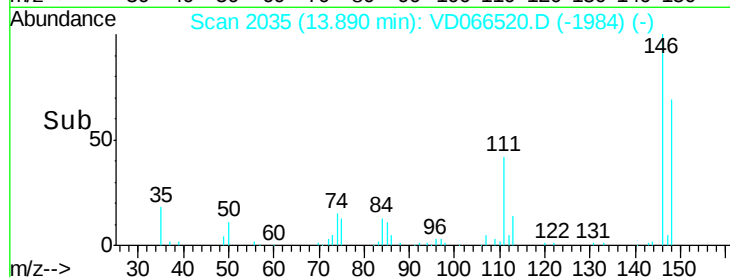
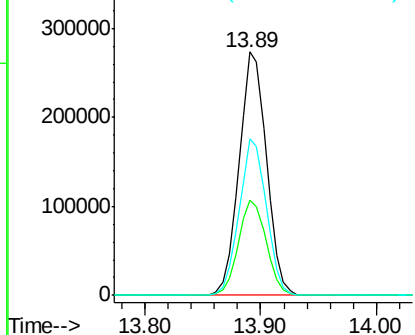
#91
 1,2-Dichlorobenzene
 Concen: 146.941 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion:146 Resp: 450591
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.1 60.2
 148 63.9 32.3 96.9

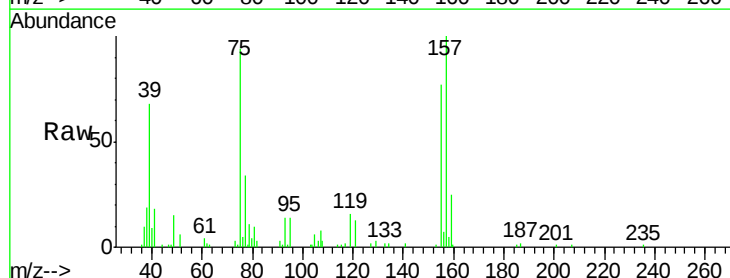


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

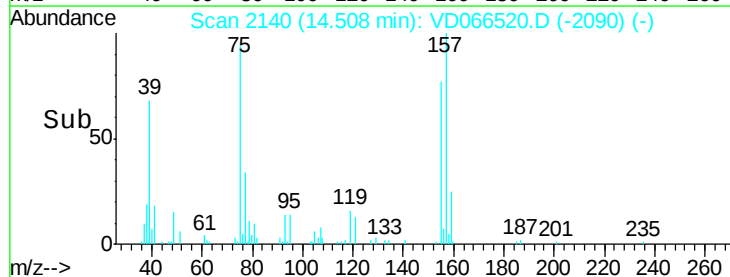
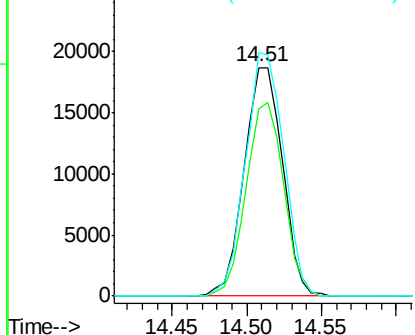


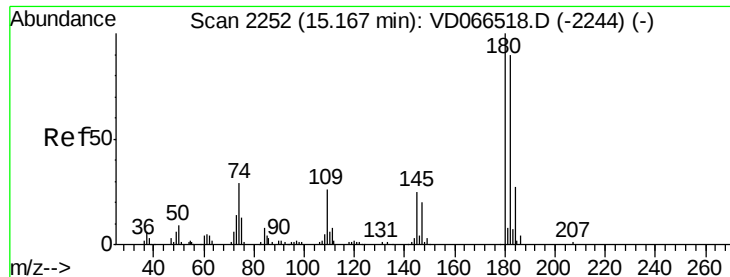
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 142.298 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Tgt Ion: 75 Resp: 33311
 Ion Ratio Lower Upper
 75 100
 155 82.6 40.8 122.5
 157 106.1 49.3 147.8



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

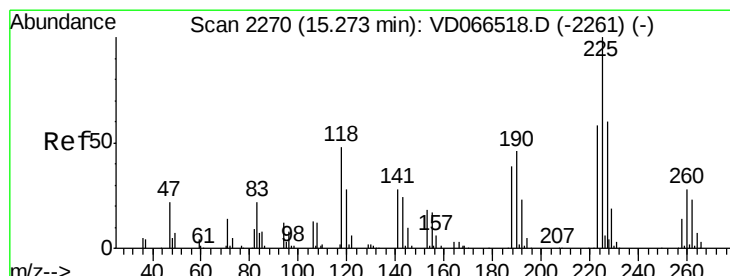
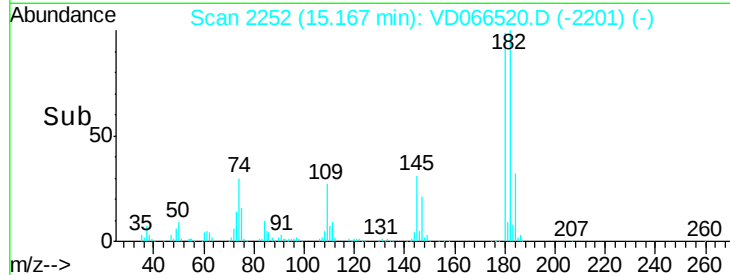
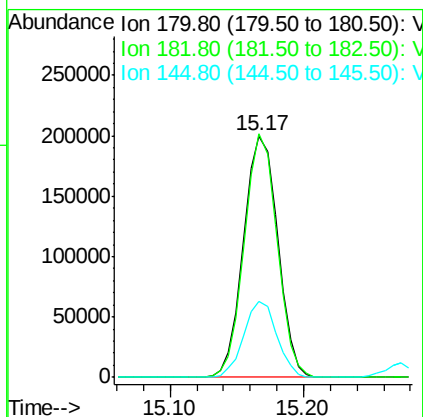
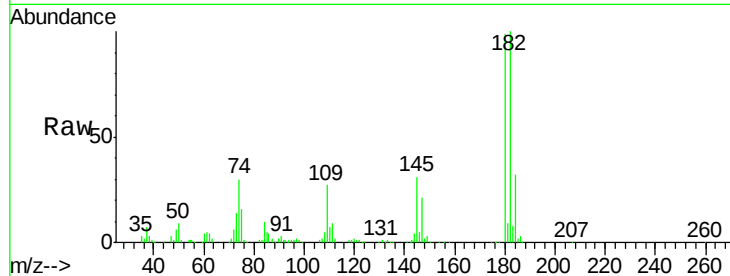




#93
 1,2,4-Trichlorobenzene
 Concen: 146.685 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

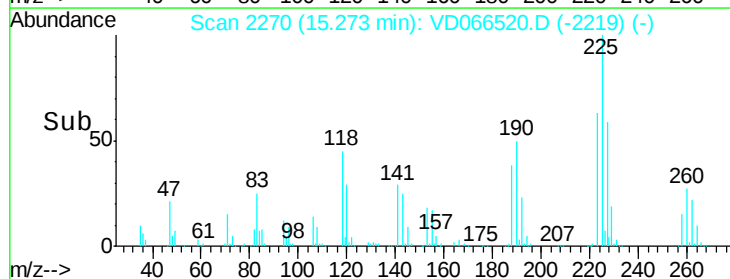
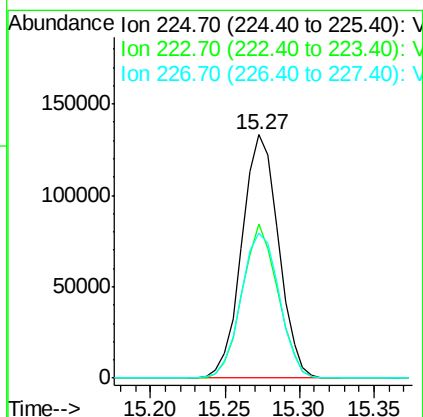
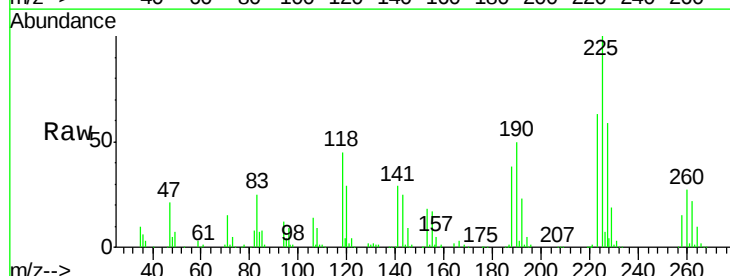
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

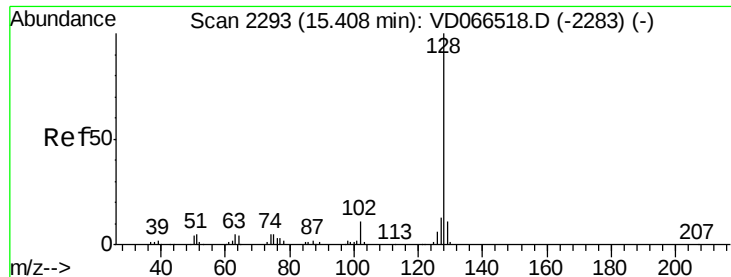
Tgt Ion:180 Resp: 355030
 Ion Ratio Lower Upper
 180 100
 182 96.5 46.9 140.6
 145 30.6 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 144.205 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Tgt Ion:225 Resp: 226256
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.6 94.7
 227 62.1 31.4 94.3

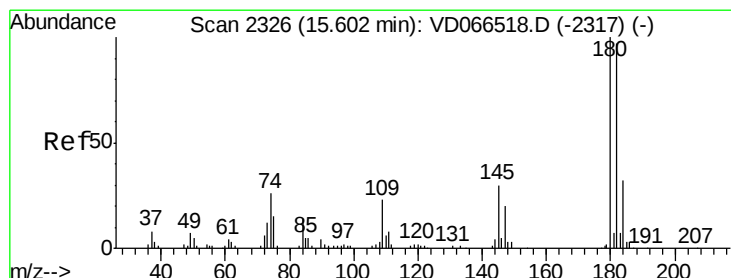
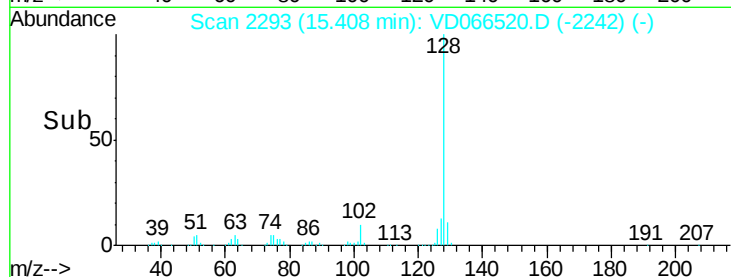
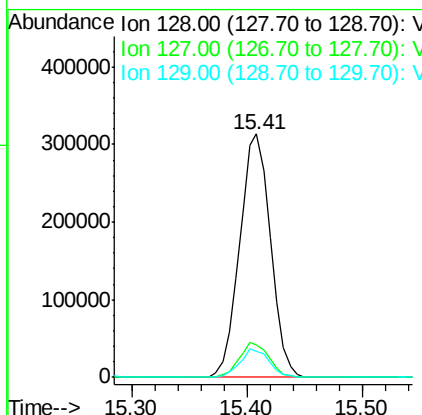
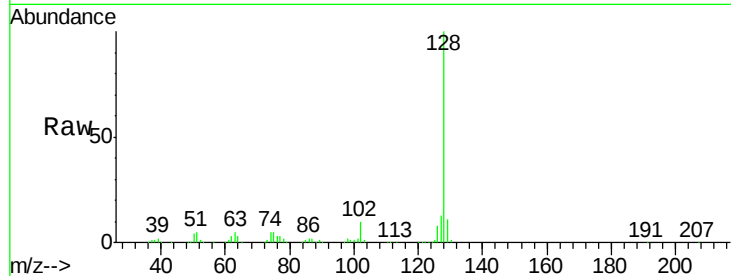




#95
Naphthalene
Concen: 154.129 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 579889
Ion Ratio Lower Upper
128 100
127 13.7 11.1 16.7
129 11.1 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 147.025 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion:180 Resp: 307485
Ion Ratio Lower Upper
180 100
182 96.3 47.5 142.5
145 32.8 16.2 48.6

