

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041520\
 Data File : VD065638.D
 Acq On : 15 Apr 2020 16:28
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Apr 15 18:56:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 18:47:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	247950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	340343	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	325247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	166071	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	298536	127.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	255.86%	
35) Dibromofluoromethane	7.92	113	312415	133.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	267.44%	
50) Toluene-d8	10.34	98	1176537	138.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	276.68%	
62) 4-Bromofluorobenzene	12.64	95	399679	144.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	289.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	310208	140.287	ug/l	99
3) Chloromethane	2.21	50	334400	123.898	ug/l	100
4) Vinyl Chloride	2.35	62	345128	135.034	ug/l	100
5) Bromomethane	2.74	94	206594	118.315	ug/l	96
6) Chloroethane	2.91	64	205879	130.836	ug/l	99
7) Trichlorofluoromethane	3.27	101	481133	124.775	ug/l	98
8) Diethyl Ether	3.70	74	109377	138.069	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	236259	99.296	ug/l	99
10) Methyl Iodide	4.29	142	448930	192.147	ug/l	93
11) Tert butyl alcohol	5.24	59	86620	771.123	ug/l	98
12) 1,1-Dichloroethene	4.06	96	217479	99.426	ug/l	99
13) Acrolein	3.92	56	78428	501.727	ug/l	100
14) Allyl chloride	4.71	41	526344	162.072	ug/l	90
15) Acrylonitrile	5.43	53	372933	820.725	ug/l	99
16) Acetone	4.16	43	251931	622.779	ug/l	98
17) Carbon Disulfide	4.40	76	1037311	142.616	ug/l	100
18) Methyl Acetate	4.72	43	184451	156.821	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	726778	168.715	ug/l	99
20) Methylene Chloride	4.96	84	343644	131.024	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	360542	145.006	ug/l	95
22) Diisopropyl ether	6.37	45	1053109	155.651	ug/l	99
23) Vinyl Acetate	6.31	43	3028252	839.166	ug/l	100
24) 1,1-Dichloroethane	6.26	63	602793	135.493	ug/l	100
25) 2-Butanone	7.22	43	449199	761.174	ug/l	99
26) 2,2-Dichloropropane	7.21	77	518521	130.851	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	392670	144.594	ug/l	98
28) Bromochloromethane	7.55	49	233784	129.324	ug/l	100
29) Tetrahydrofuran	7.57	42	304294	815.234	ug/l	99
30) Chloroform	7.71	83	606998	130.533	ug/l	97
31) Cyclohexane	7.98	56	572740	137.904	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	543996	130.068	ug/l	99
36) 1,1-Dichloropropene	8.11	75	487878	141.463	ug/l	99
37) Ethyl Acetate	7.30	43	210498	157.563	ug/l	98
38) Carbon Tetrachloride	8.10	117	504112	134.545	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	621052	159.086	ug/l	98
40) Benzene	8.35	78	1404300	142.079	ug/l	99
41) Methacrylonitrile	7.53	41	132175	174.606	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	391654	140.116	ug/l	100
43) Isopropyl Acetate	8.46	43	395543	164.386	ug/l	99
44) Trichloroethene	9.11	130	393000	139.186	ug/l	97
45) 1,2-Dichloropropane	9.39	63	348367	143.640	ug/l	99
46) Dibromomethane	9.48	93	185344	141.786	ug/l	99
47) Bromodichloromethane	9.67	83	476891	139.799	ug/l	96
48) Methyl methacrylate	9.46	41	195303	170.207	ug/l	95
49) 1,4-Dioxane	9.47	88	44878	3156.671	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	1024072	819.445	ug/l	99
52) Toluene	10.41	92	912486	146.474	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	482955	157.809	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	574437	154.346	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	256383	138.850	ug/l	99
56) Ethyl methacrylate	10.67	69	339294	181.449	ug/l	98
57) 1,3-Dichloropropane	10.95	76	452205	147.901	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	795880	817.585	ug/l	99
59) 2-Hexanone	10.99	43	702845	842.389	ug/l	98
60) Dibromochloromethane	11.14	129	344646	141.389	ug/l	99
61) 1,2-Dibromoethane	11.25	107	253523	144.371	ug/l	99
64) Tetrachloroethene	10.88	164	339379	134.301	ug/l	98
65) Chlorobenzene	11.67	112	964556	139.758	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	367651	139.997	ug/l	99
67) Ethyl Benzene	11.75	91	1728708	152.044	ug/l	99
68) m/p-Xylenes	11.86	106	1331385	297.862	ug/l	99
69) o-Xylene	12.18	106	613228	158.620	ug/l	100
70) Styrene	12.20	104	1080431	157.894	ug/l	100
71) Bromoform	12.37	173	212629	141.725	ug/l #	98
73) Isopropylbenzene	12.48	105	1646452	159.319	ug/l	99
74) N-amyl acetate	12.30	43	370282	174.658	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	275665	141.734	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	371027	271.420	ug/l #	100
77) Bromobenzene	12.77	156	415533	145.660	ug/l	97
78) n-propylbenzene	12.83	91	1926464	154.200	ug/l	99
79) 2-Chlorotoluene	12.91	91	1076530	150.085	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1359034	155.168	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	99824	171.158	ug/l	97
82) 4-Chlorotoluene	13.01	91	1120510	144.625	ug/l	99
83) tert-Butylbenzene	13.23	119	1160685	160.068	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	1361073	156.783	ug/l	100
85) sec-Butylbenzene	13.41	105	1622656	155.908	ug/l	100
86) p-Isopropyltoluene	13.53	119	1524156	158.812	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	764936	138.446	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	753255	136.426	ug/l	99
89) n-Butylbenzene	13.86	91	1391652	160.019	ug/l	99
90) Hexachloroethane	14.12	117	296920	141.327	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	672729	142.662	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	43241	142.977	ug/l	97

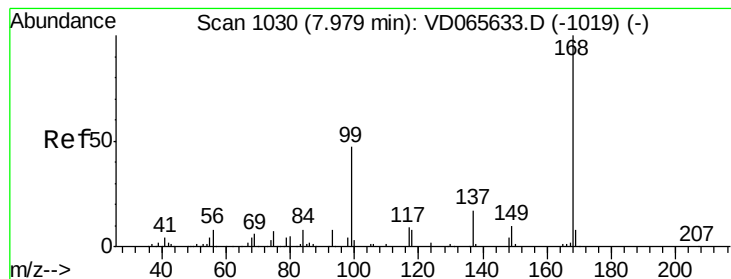
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041520\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	503673	161.606	ug/l	98
94) Hexachlorobutadiene	15.28	225	320836	148.480	ug/l	98
95) Naphthalene	15.41	128	850373	185.608	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	442120	161.973	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

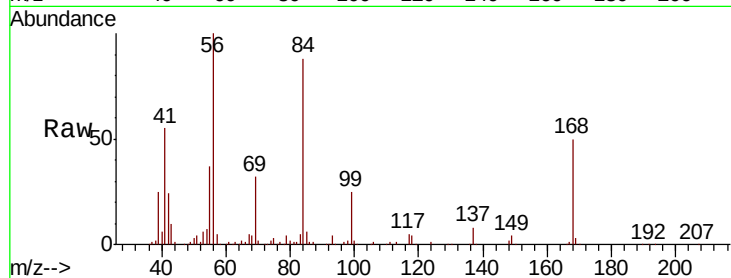
VSTDIC150

Tot Ion:168 Resp: 247950

Ion Ratio Lower Upper

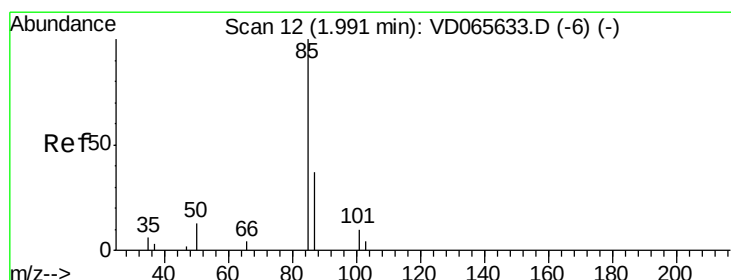
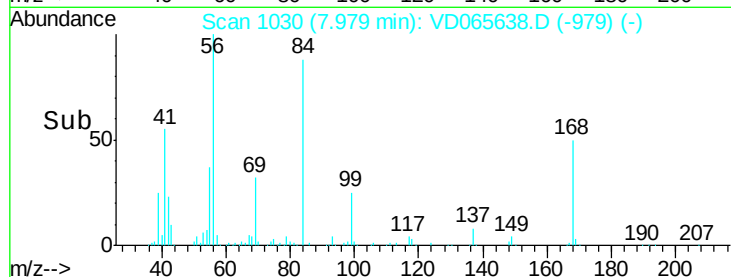
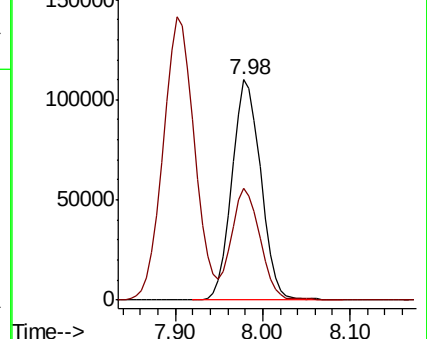
168 100

99 50.4 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 140.287 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065638.D

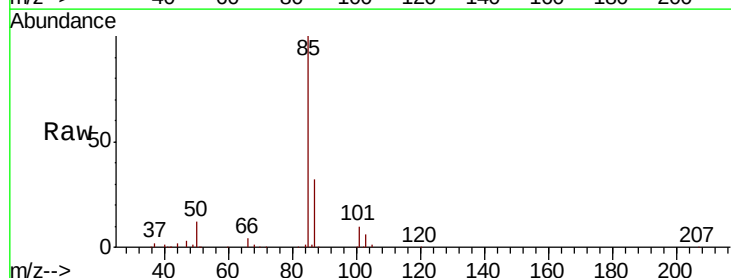
Acq: 15 Apr 2020 16:28

Tgt Ion: 85 Resp: 310208

Ion Ratio Lower Upper

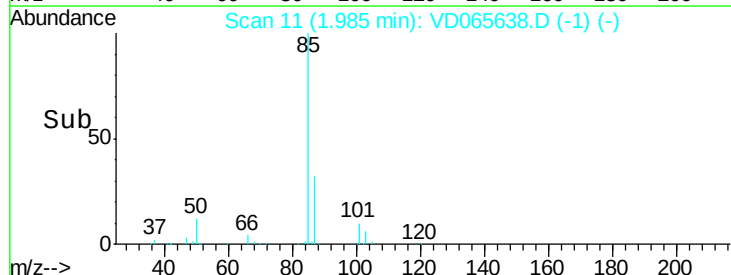
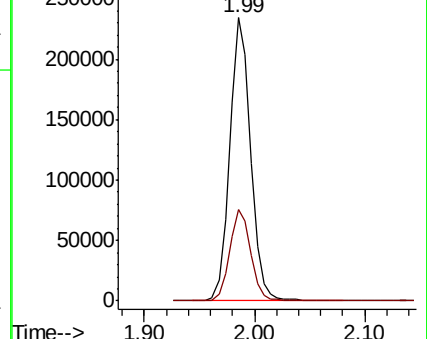
85 100

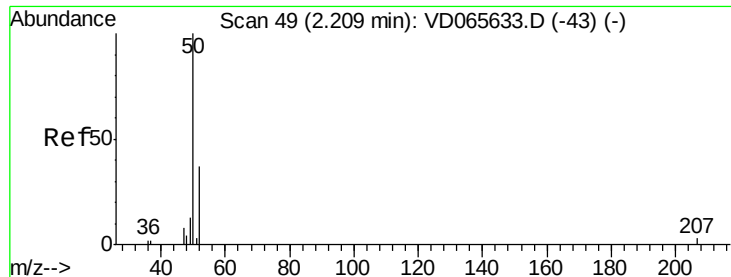
87 32.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 123.898 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

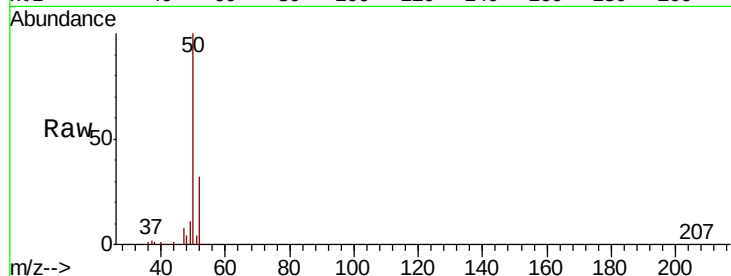
VSTDIC150

Tot Ion: 50 Resp: 334400

Ion Ratio Lower Upper

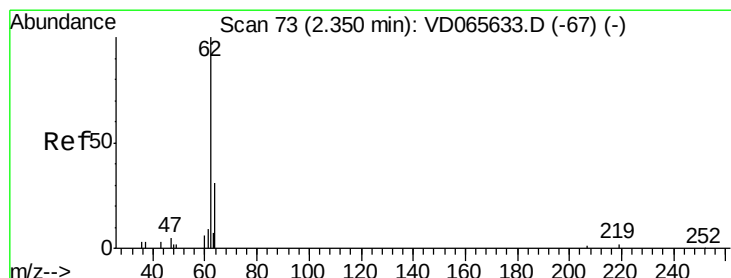
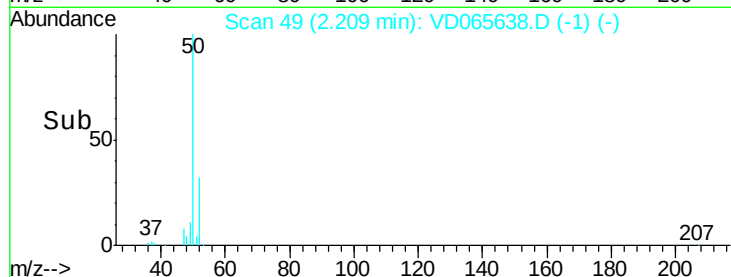
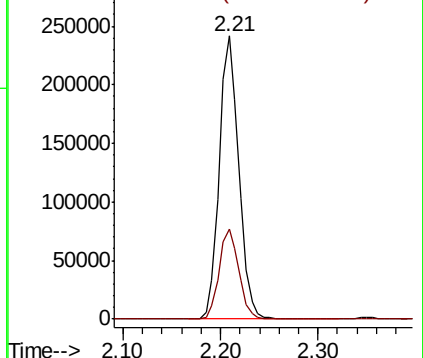
50 100

52 31.9 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 135.034 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065638.D

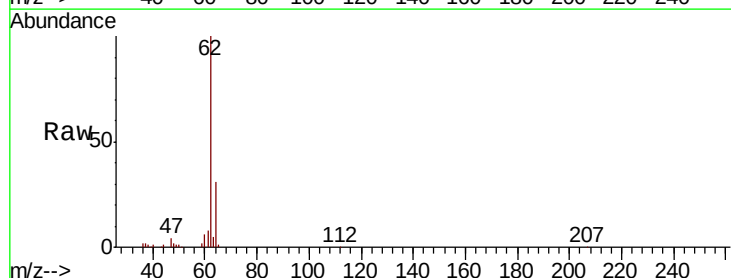
Acq: 15 Apr 2020 16:28

Tgt Ion: 62 Resp: 345128

Ion Ratio Lower Upper

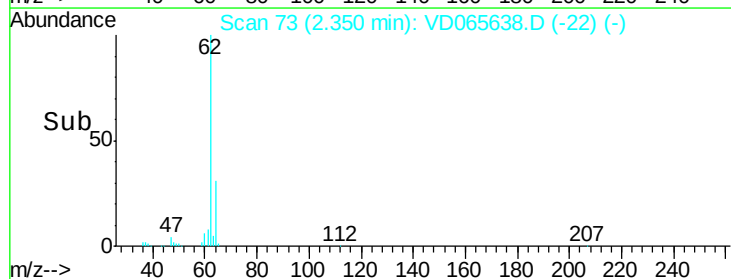
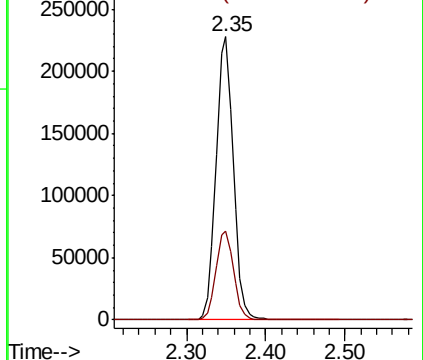
62 100

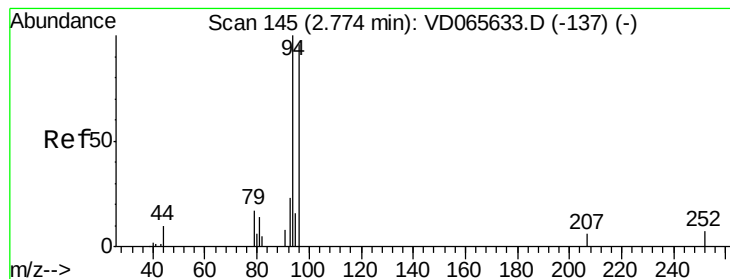
64 31.2 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 118.315 ug/l

RT: 2.74 min Scan# 140

Delta R.T. -0.02 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

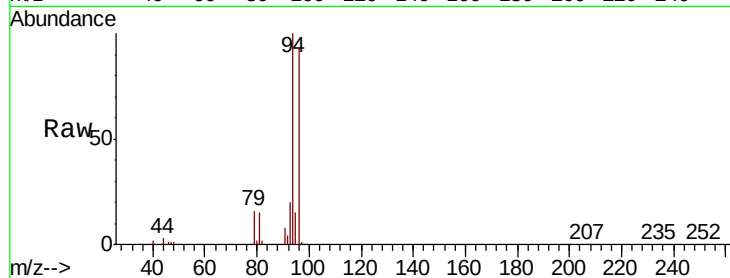
VSTDIC150

Tot Ion: 94 Resp: 206594

Ion Ratio Lower Upper

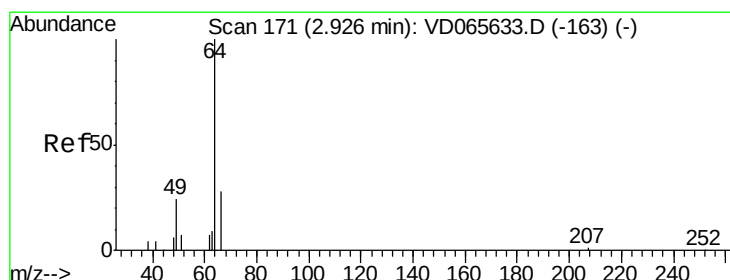
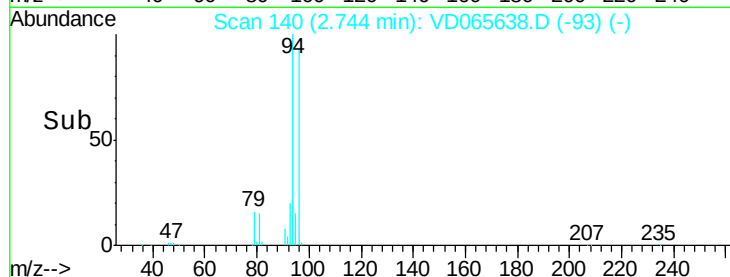
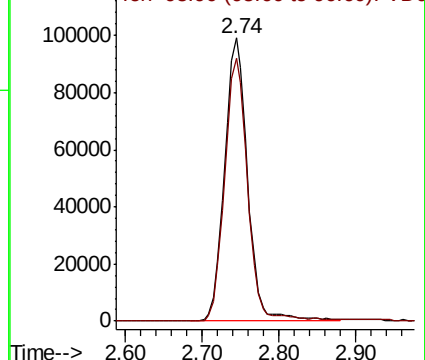
94 100

96 93.1 77.9 116.9



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 130.836 ug/l

RT: 2.91 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD065638.D

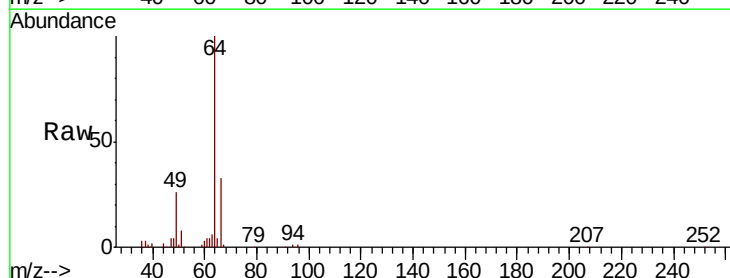
Acq: 15 Apr 2020 16:28

Tgt Ion: 64 Resp: 205879

Ion Ratio Lower Upper

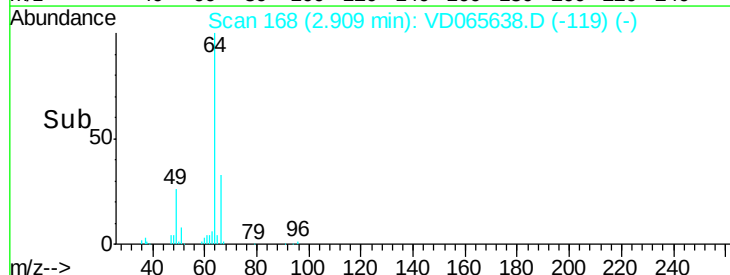
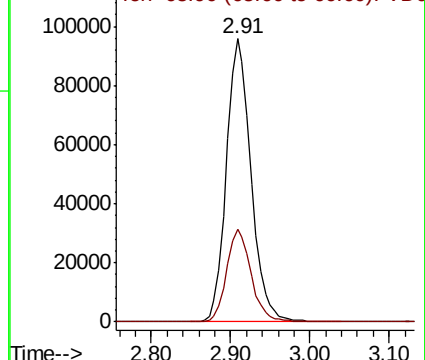
64 100

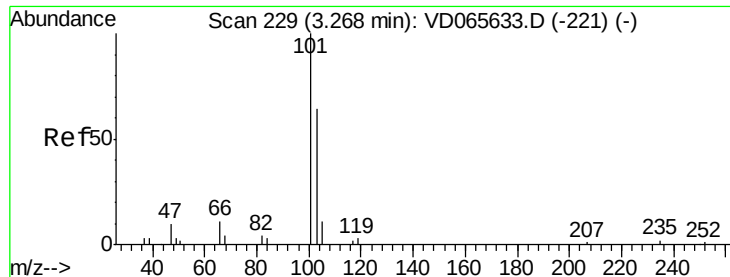
66 32.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



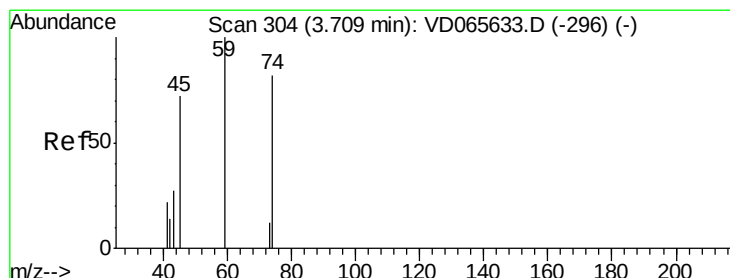
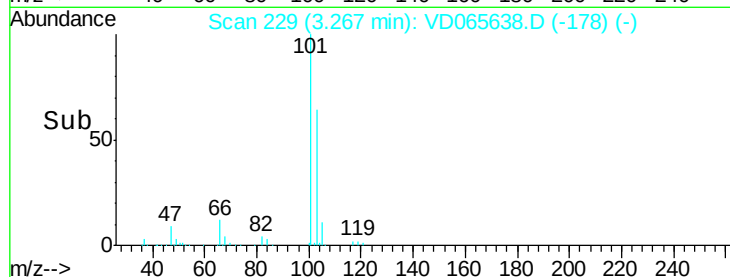
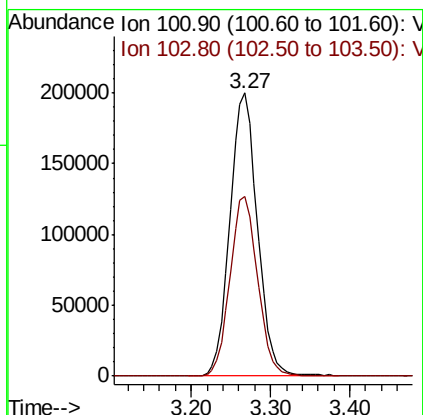
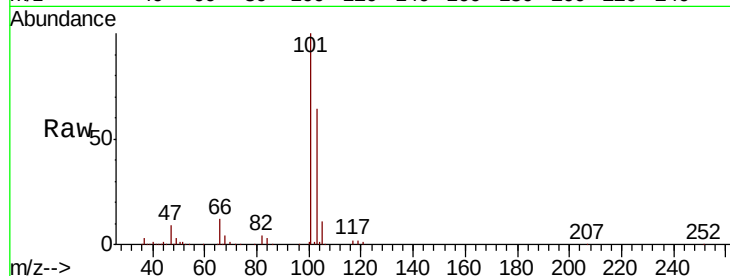


#7

Trichlorofluoromethane
 Concen: 124.775 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Instrument :
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 ClientSampleId :
 VSTDIC150

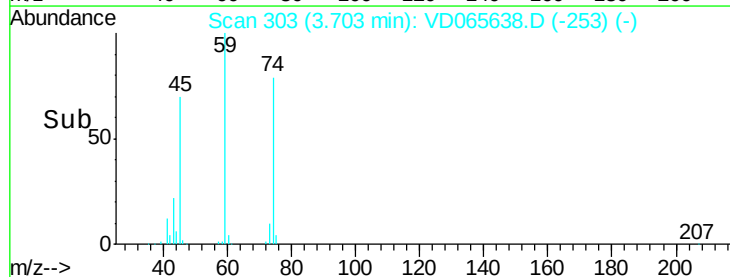
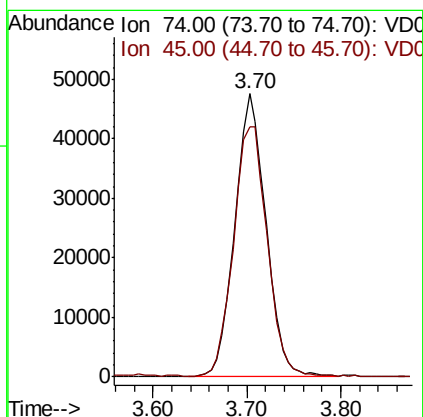
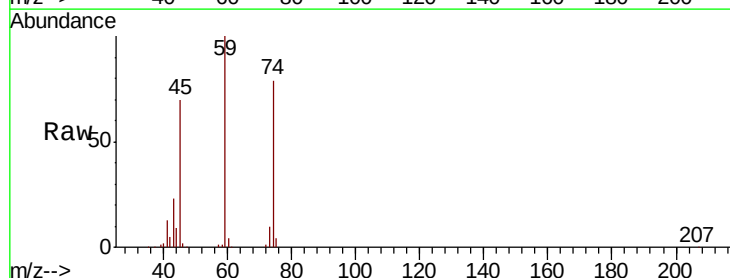
Tot Ion:101 Resp: 481133
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.2 78.4

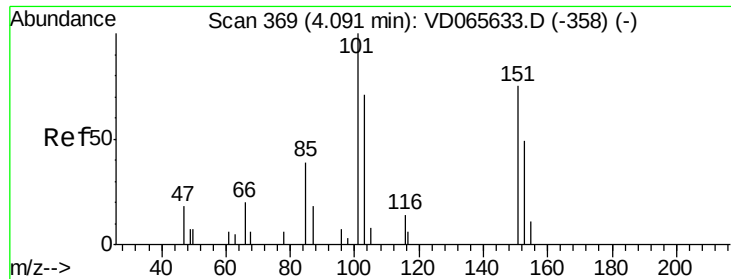


#8

Diethyl Ether
 Concen: 138.069 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Tgt Ion: 74 Resp: 109377
 Ion Ratio Lower Upper
 74 100
 45 96.3 49.9 149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 99.296 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

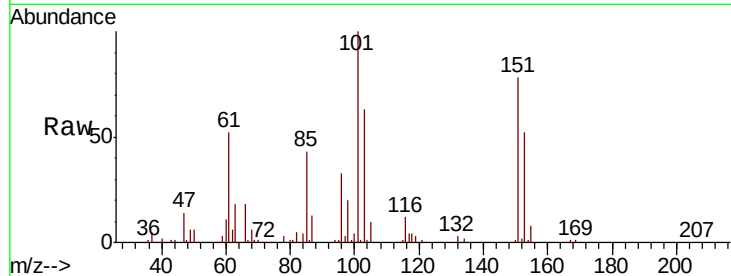
Tot Ion:101 Resp: 236259

Ion Ratio Lower Upper

101 100

85 43.9 36.2 54.2

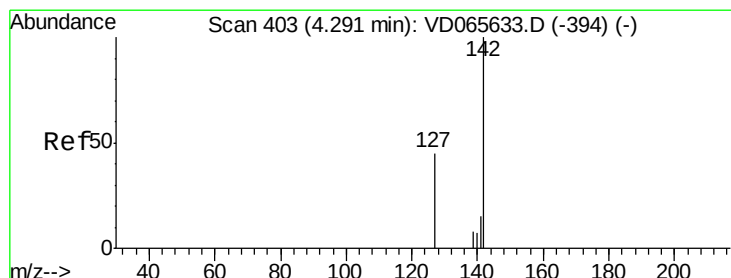
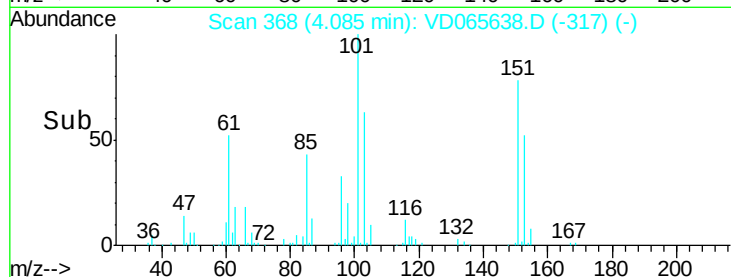
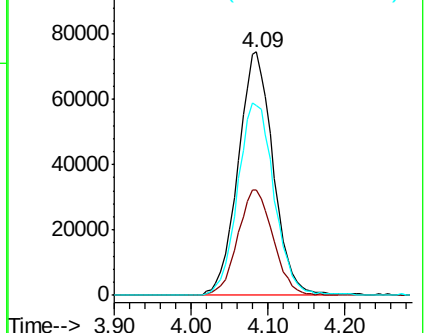
151 82.5 65.6 98.4



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: 192.147 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

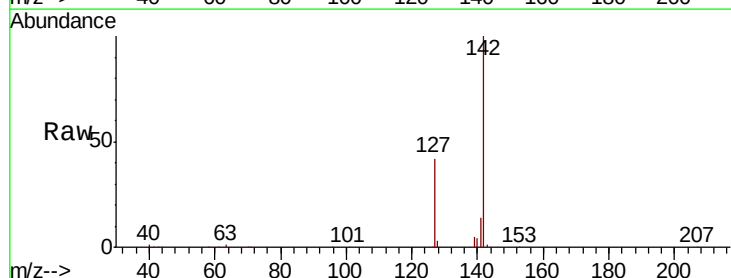
Tgt Ion:142 Resp: 448930

Ion Ratio Lower Upper

142 100

127 41.7 38.1 57.1

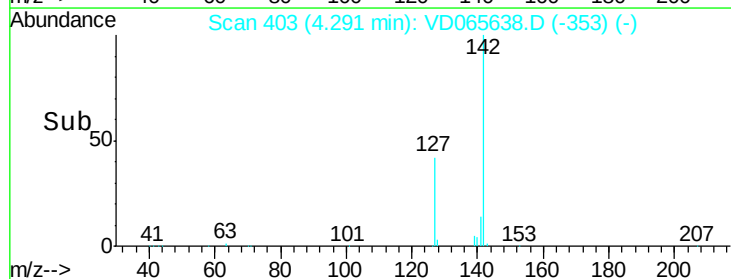
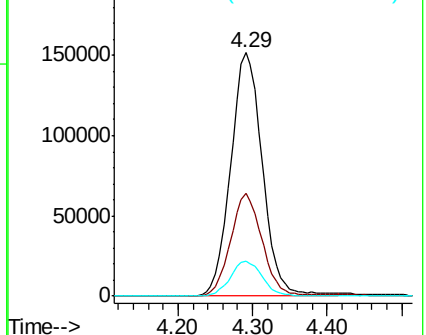
141 14.5 12.1 18.1

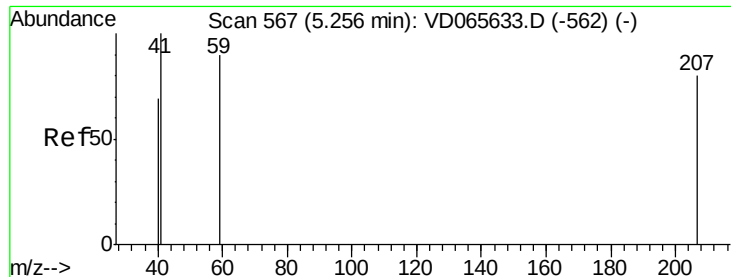


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



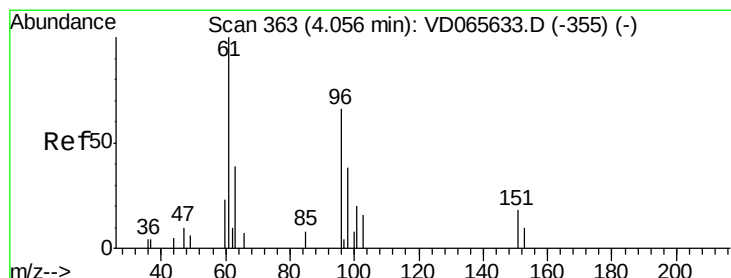
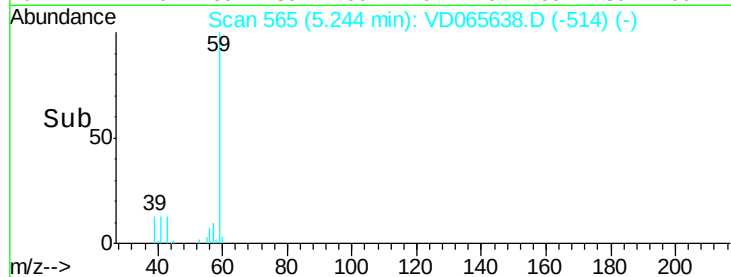
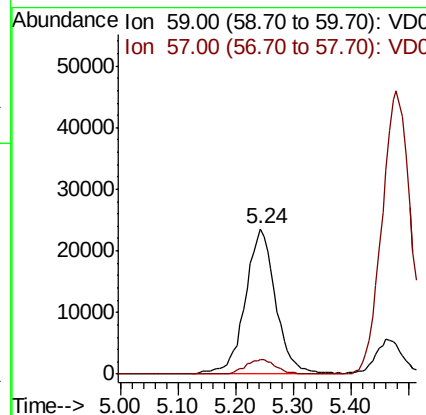
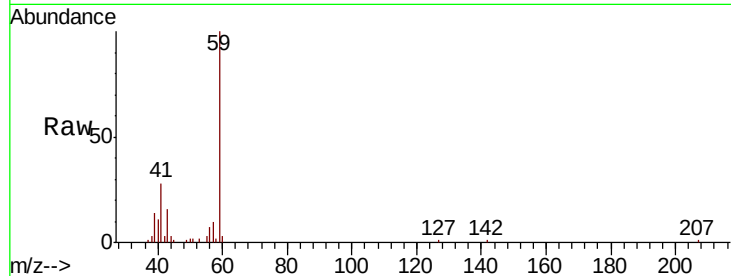


#11

Tert butyl alcohol
 Concen: 771.123 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

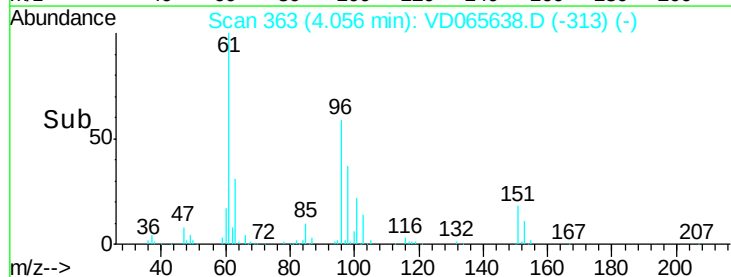
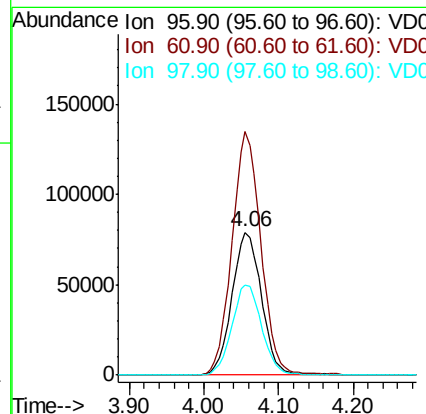
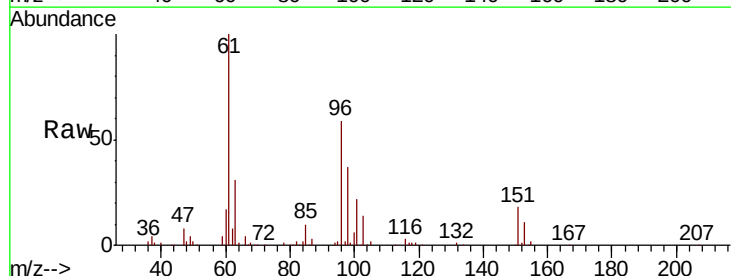
Tot Ion: 59 Resp: 86620
 Ion Ratio Lower Upper
 59 100
 57 10.0 7.4 11.2

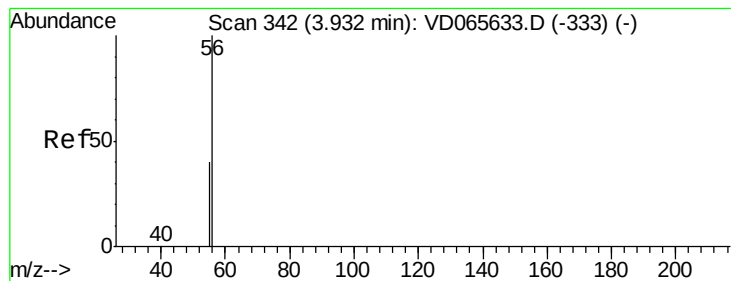


#12

1,1-Dichloroethene
 Concen: 99.426 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Tgt Ion: 96 Resp: 217479
 Ion Ratio Lower Upper
 96 100
 61 170.5 136.2 204.2
 98 63.2 52.2 78.2





#13

Acrolein

Concen: 501.727 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

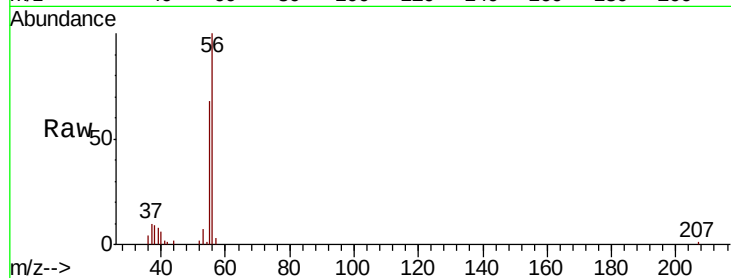
VSTDIC150

Tot Ion: 56 Resp: 78428

Ion Ratio Lower Upper

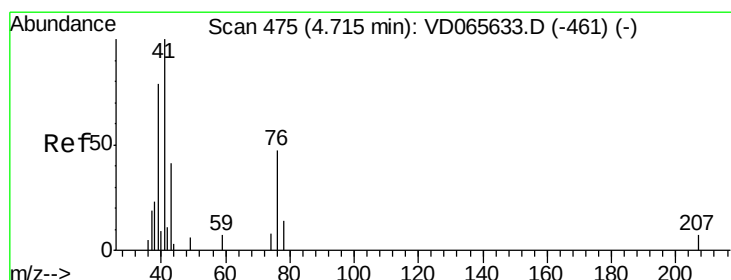
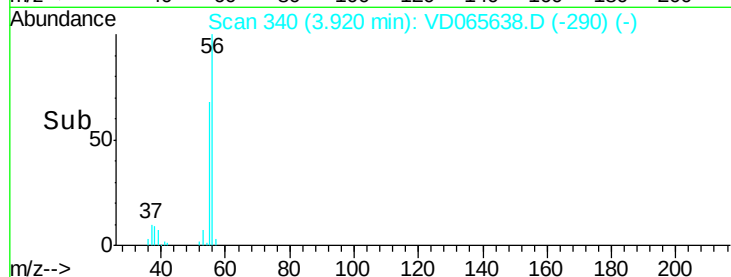
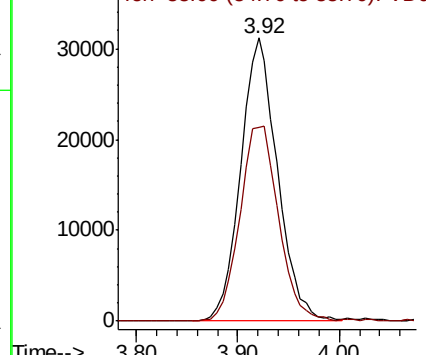
56 100

55 72.6 58.2 87.2



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 162.072 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

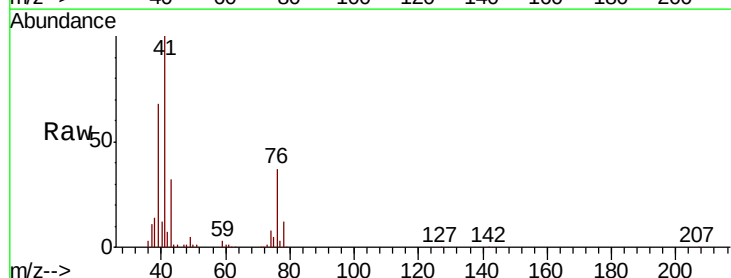
Tgt Ion: 41 Resp: 526344

Ion Ratio Lower Upper

41 100

39 66.3 62.5 93.7

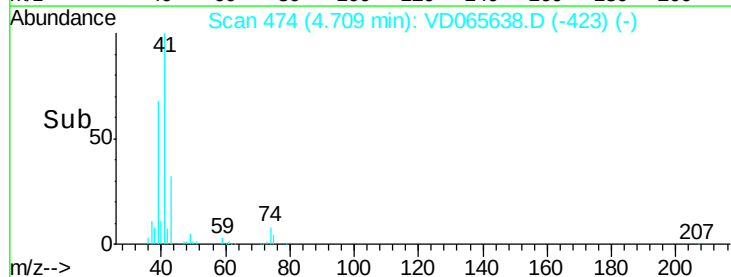
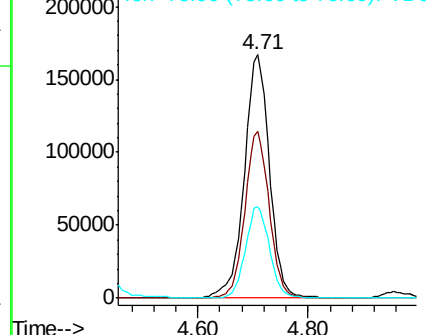
76 35.3 29.1 43.7

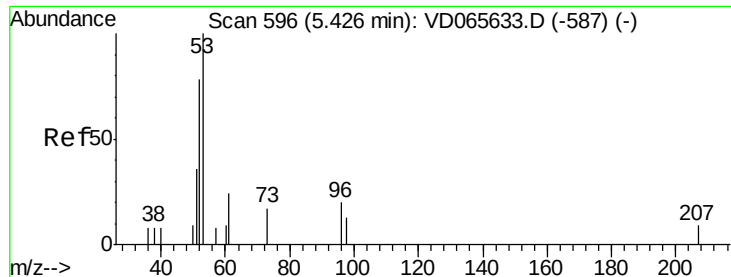


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 820.725 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

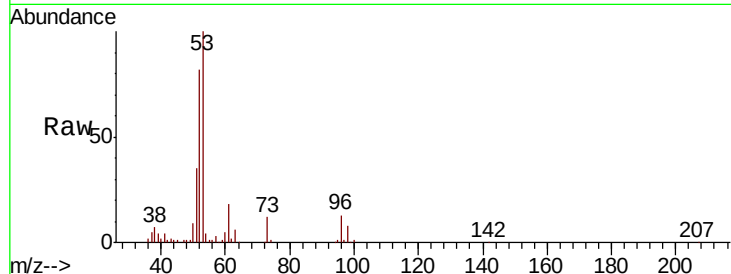
Tot Ion: 53 Resp: 372933

Ion Ratio Lower Upper

53 100

52 81.7 65.8 98.6

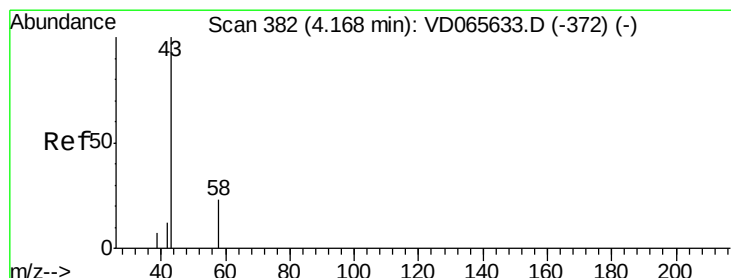
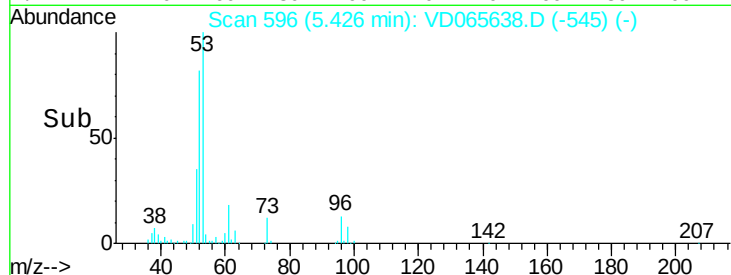
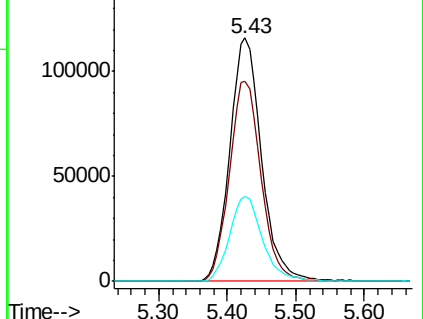
51 36.6 30.9 46.3



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 622.779 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD065638.D

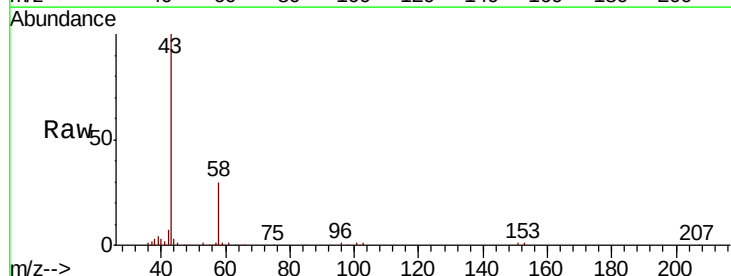
Acq: 15 Apr 2020 16:28

Tgt Ion: 43 Resp: 251931

Ion Ratio Lower Upper

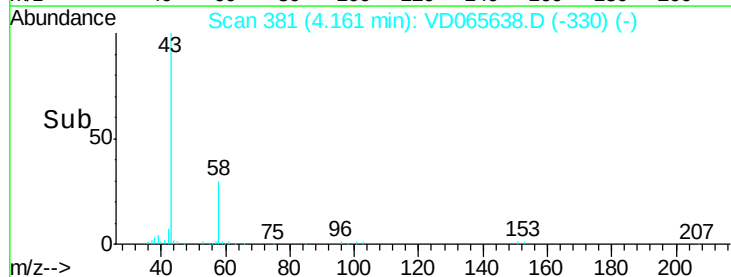
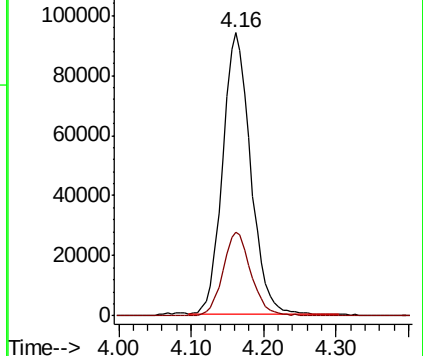
43 100

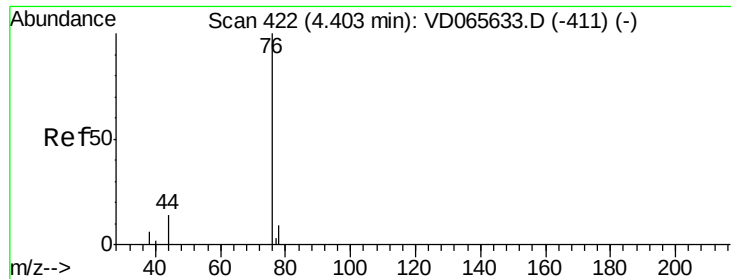
58 29.7 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

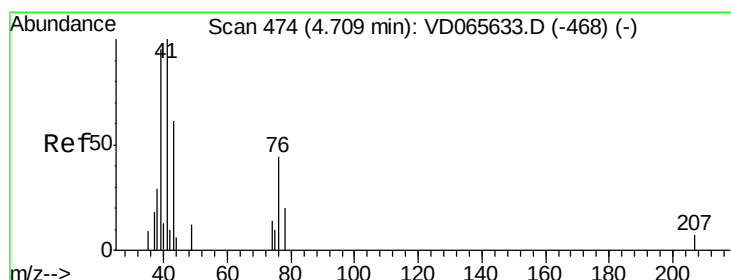
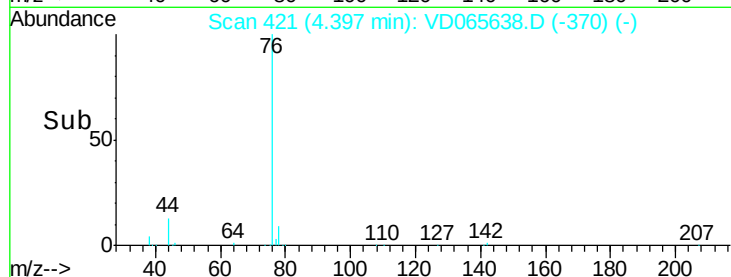
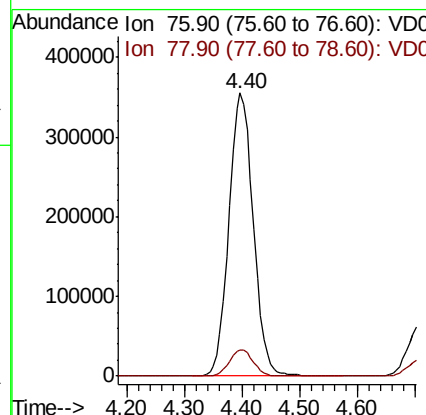
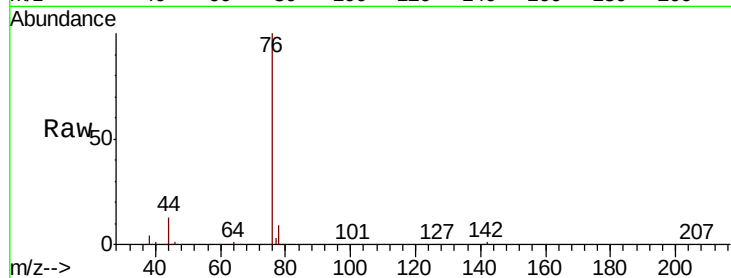




#17
Carbon Disulfide
Concen: 142.616 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

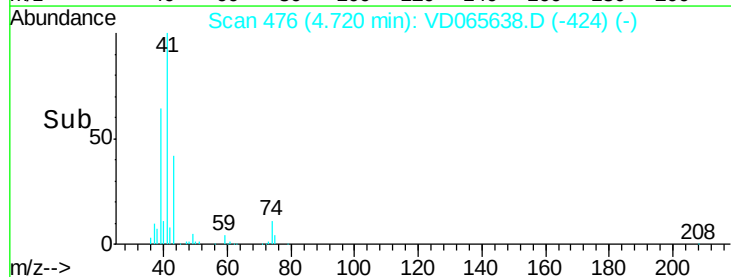
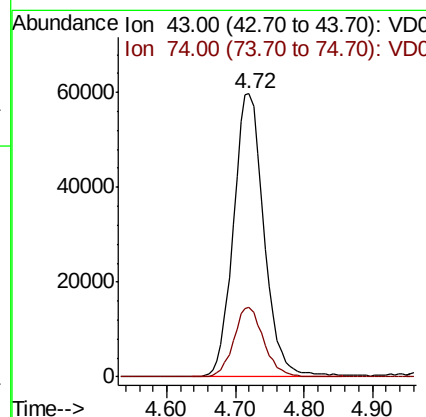
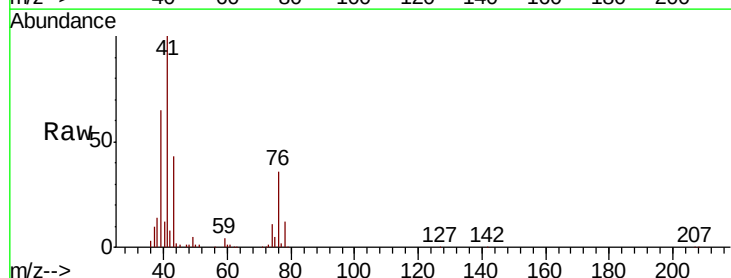
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

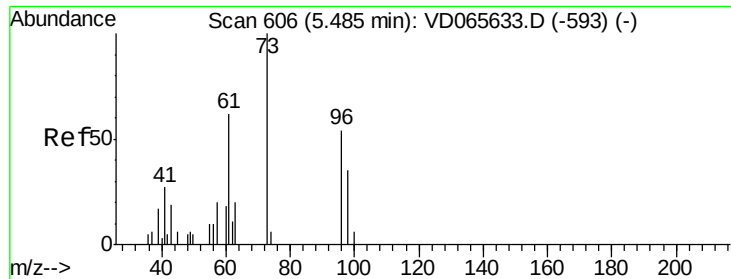
Tot Ion: 76 Resp: 1037311
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 156.821 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Tgt Ion: 43 Resp: 184451
Ion Ratio Lower Upper
43 100
74 24.0 18.6 28.0

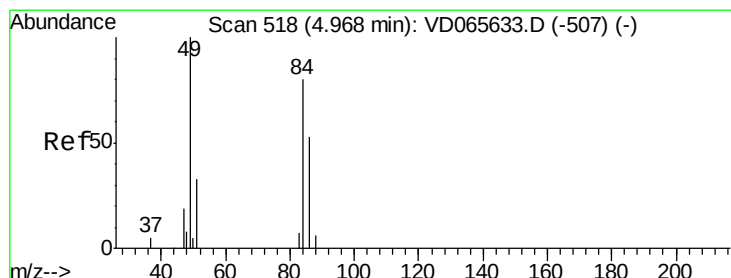
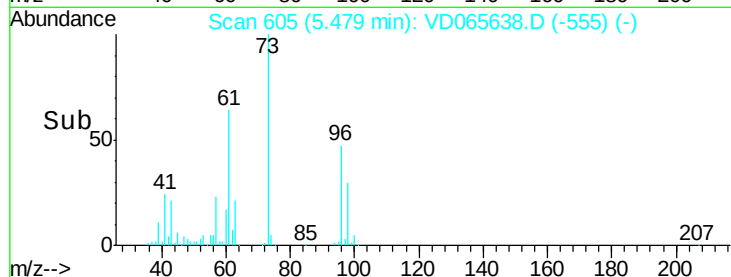
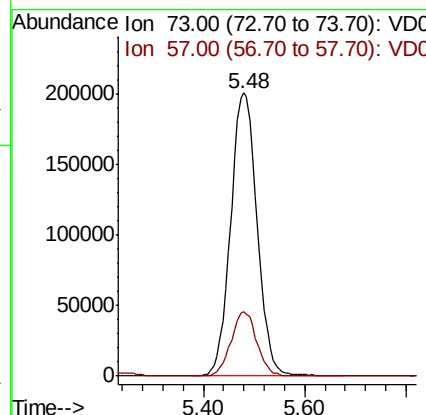
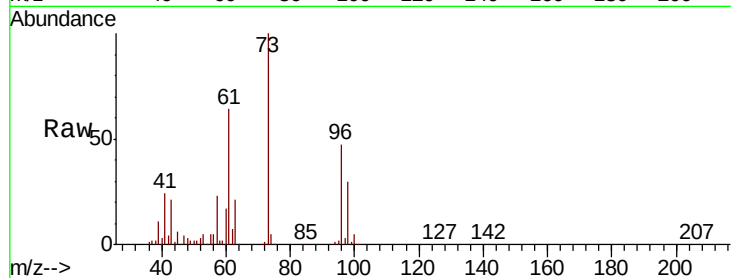




#19
Methyl tert-butyl Ether
Concen: 168.715 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

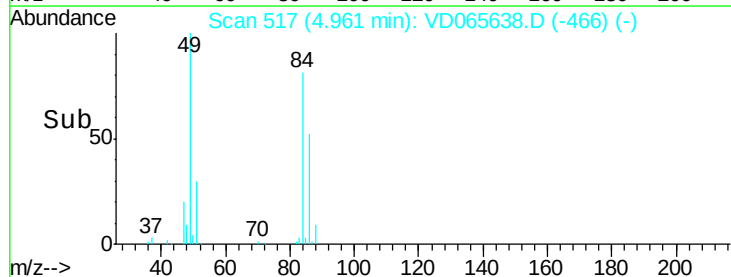
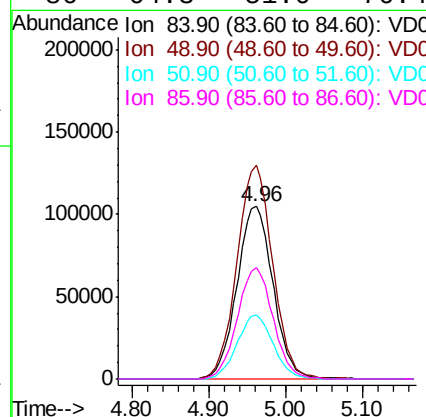
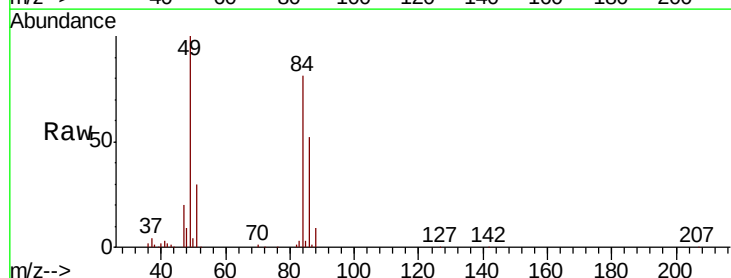
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

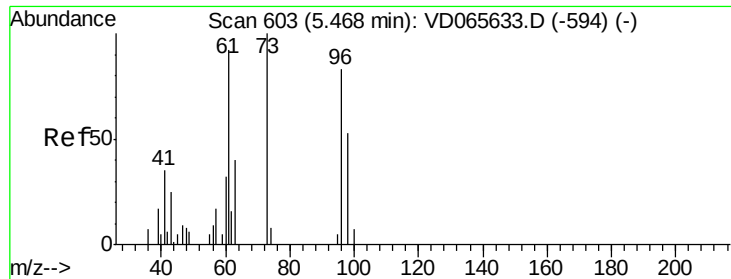
Tot Ion: 73 Resp: 726778
Ion Ratio Lower Upper
73 100
57 22.9 17.8 26.8



#20
Methylene Chloride
Concen: 131.024 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Tgt Ion: 84 Resp: 343644
Ion Ratio Lower Upper
84 100
49 123.7 102.0 153.0
51 37.4 30.8 46.2
86 64.3 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 145.006 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

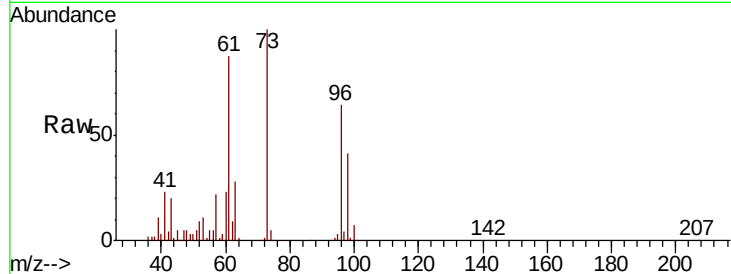
Tot Ion: 96 Resp: 360542

Ion Ratio Lower Upper

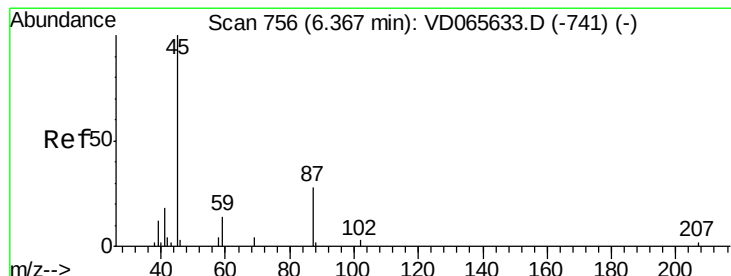
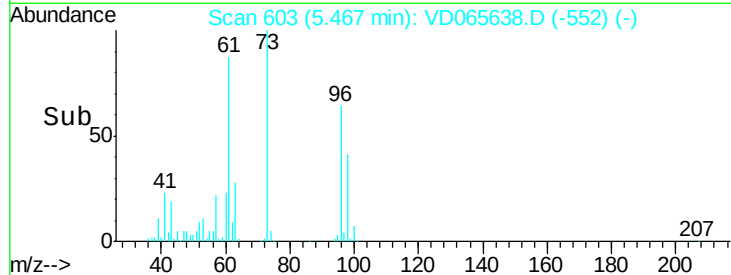
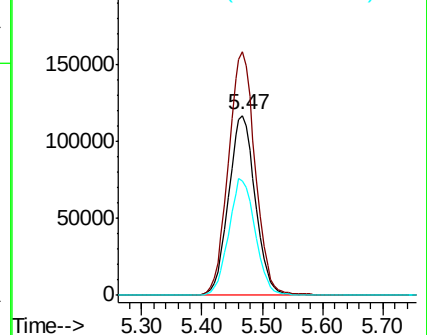
96 100

61 135.4 102.6 153.8

98 63.9 49.4 74.0



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



#22

Diisopropyl ether

Concen: 155.651 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Tgt Ion: 45 Resp: 1053109

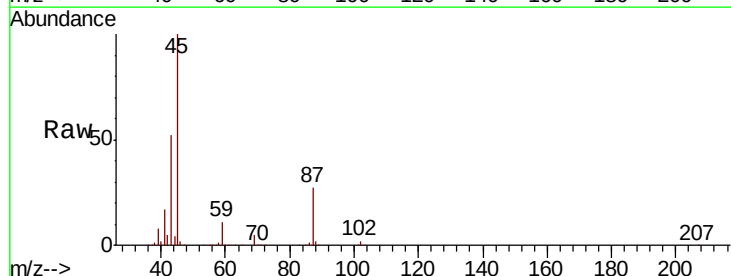
Ion Ratio Lower Upper

45 100

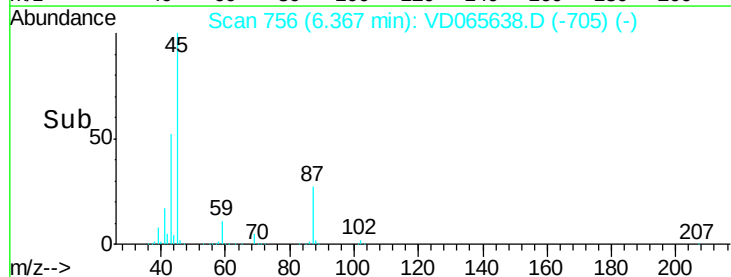
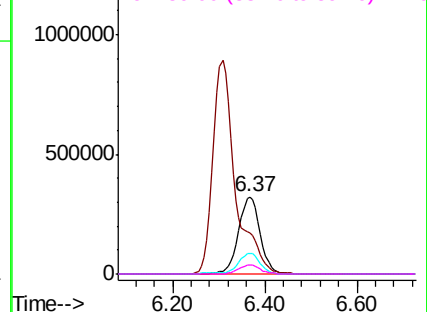
43 52.0 42.2 63.2

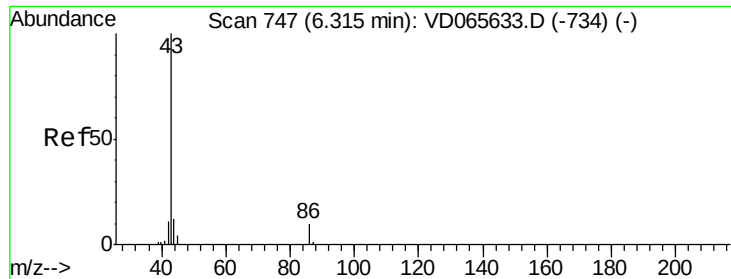
87 26.9 22.1 33.1

59 11.5 9.8 14.6



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 839.166 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

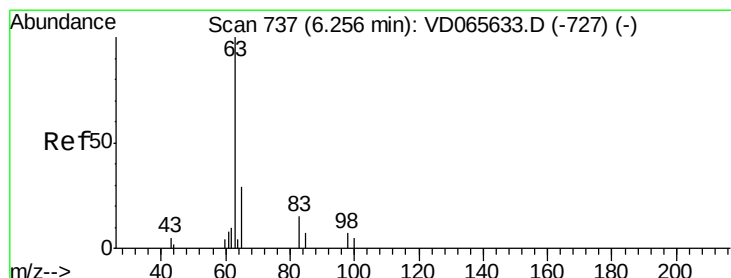
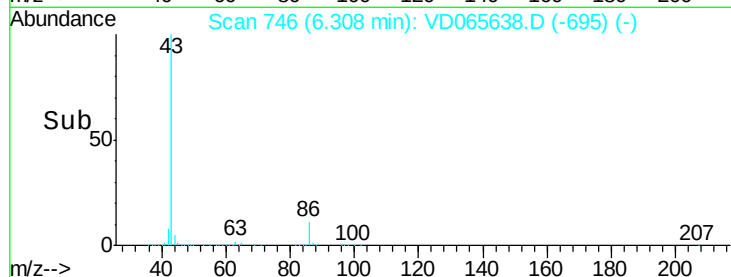
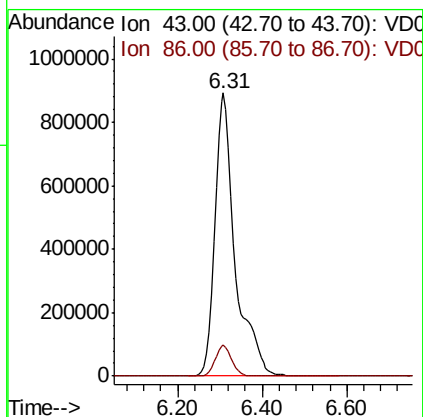
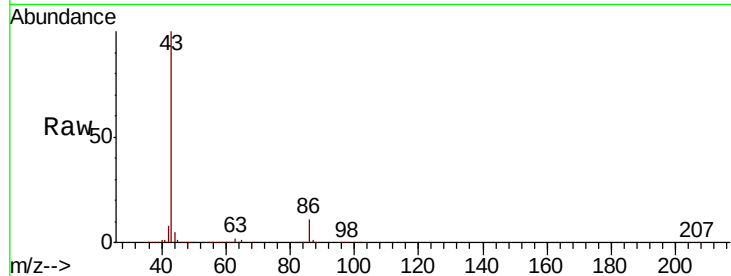
VSTDIC150

Tot Ion: 43 Resp: 3028252

Ion Ratio Lower Upper

43 100

86 11.0 8.7 13.1



#24

1,1-Dichloroethane

Concen: 135.493 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

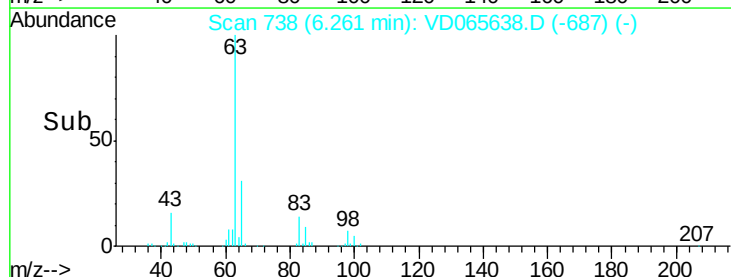
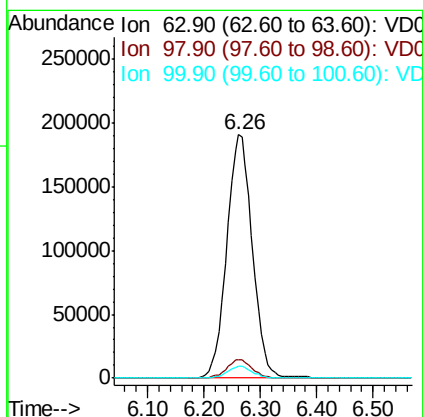
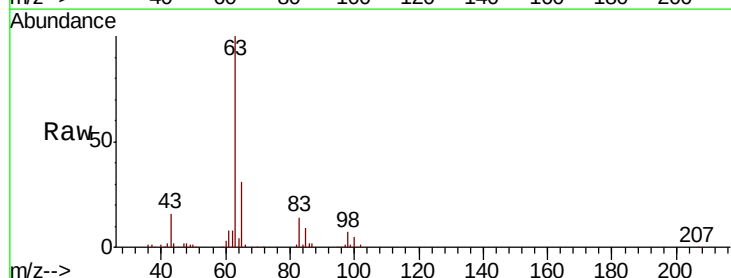
Tgt Ion: 63 Resp: 602793

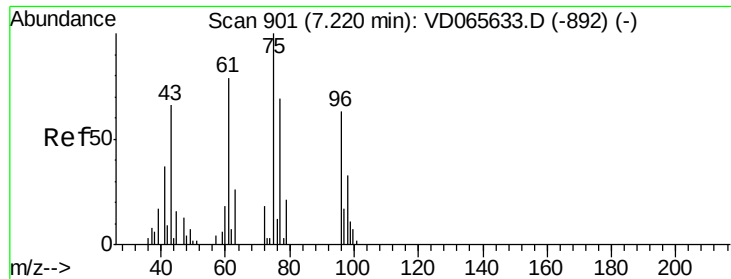
Ion Ratio Lower Upper

63 100

98 7.4 3.6 10.8

100 4.8 2.4 7.2





#25

2-Butanone

Concen: 761.174 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

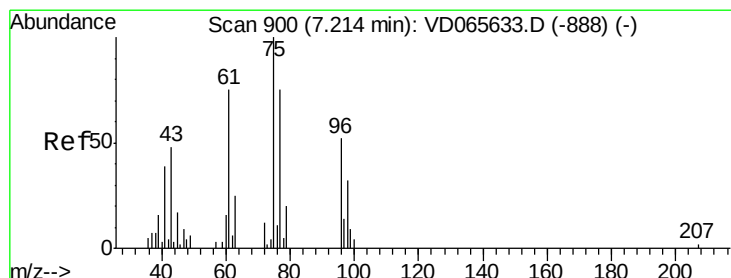
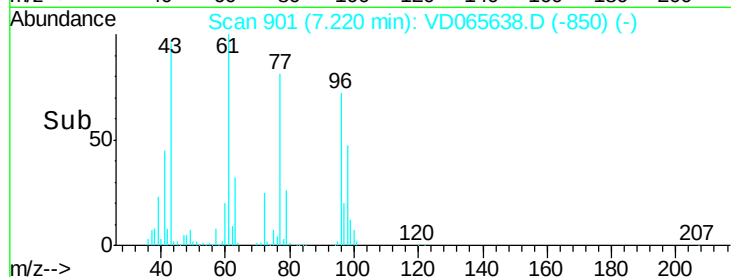
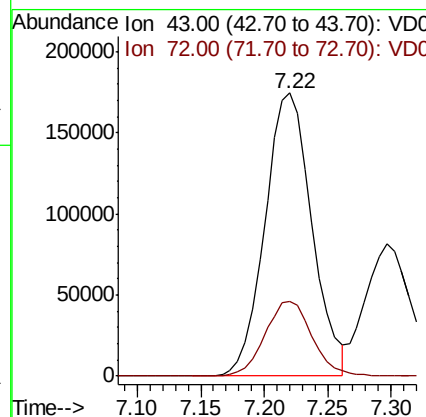
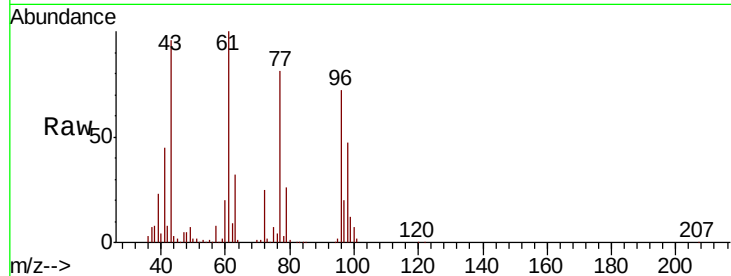
VSTDIC150

Tot Ion: 43 Resp: 449199

Ion Ratio Lower Upper

43 100

72 26.3 20.5 30.7



#26

2,2-Dichloropropane

Concen: 130.851 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065638.D

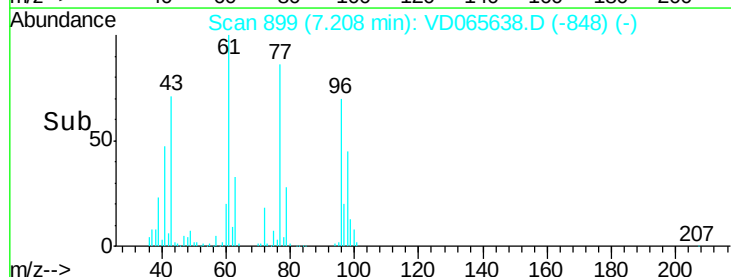
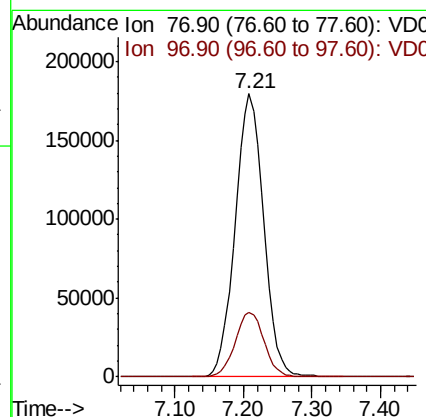
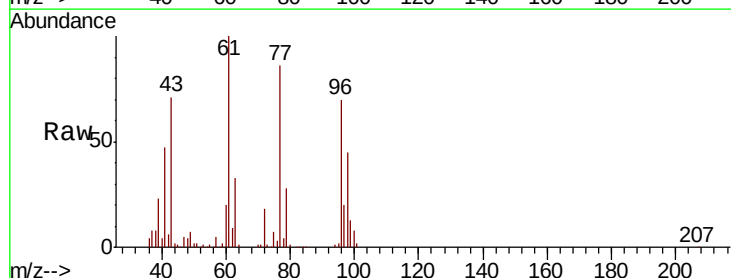
Acq: 15 Apr 2020 16:28

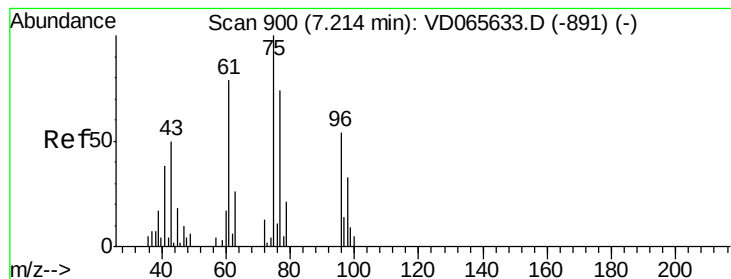
Tgt Ion: 77 Resp: 518521

Ion Ratio Lower Upper

77 100

97 23.2 11.5 34.5



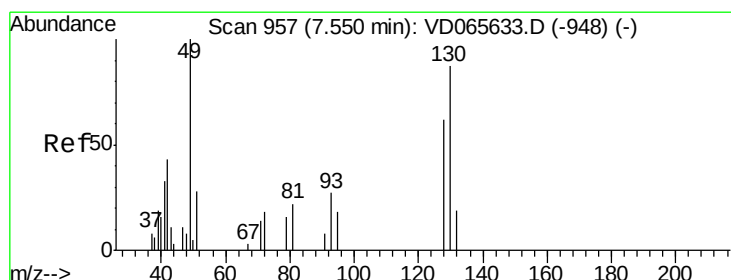
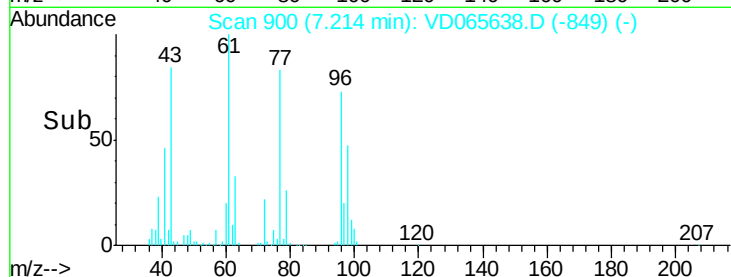
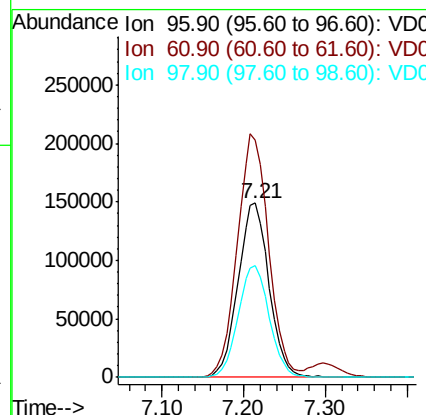
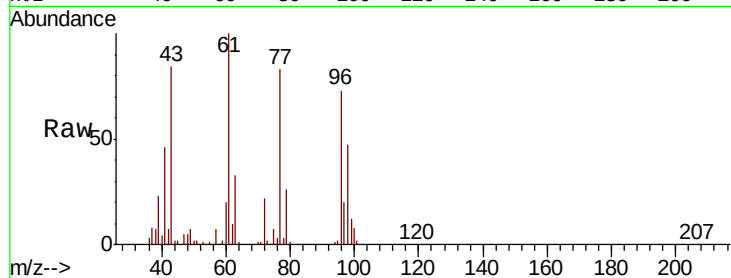


#27

cis-1,2-Dichloroethene
 Concen: 144.594 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

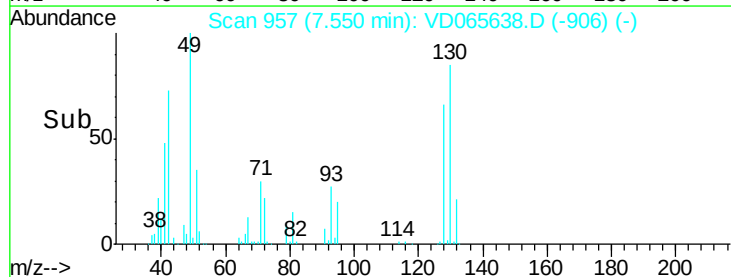
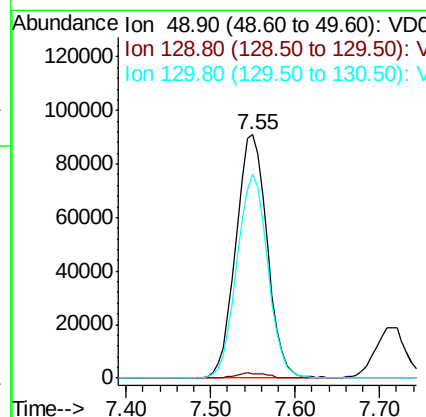
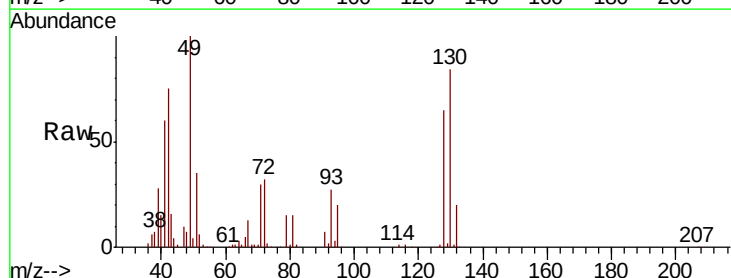
Tot Ion: 96 Resp: 392670
 Ion Ratio Lower Upper
 96 100
 61 140.6 0.0 286.2
 98 64.8 0.0 128.0

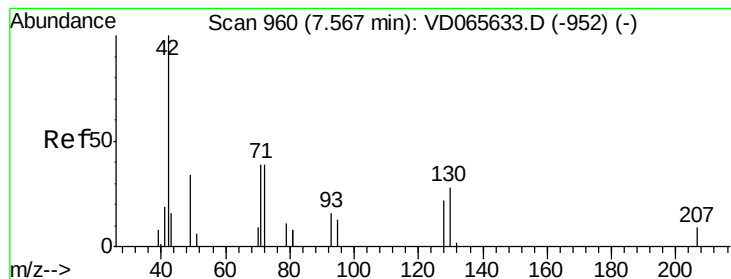


#28

Bromochloromethane
 Concen: 129.324 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Tgt Ion: 49 Resp: 233784
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.2
 130 82.6 66.2 99.2





#29

Tetrahydrofuran

Concen: 815.234 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

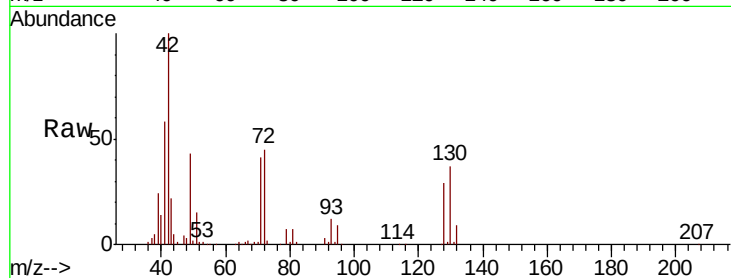
Tot Ion: 42 Resp: 304294

Ion Ratio Lower Upper

42 100

72 42.4 34.4 51.6

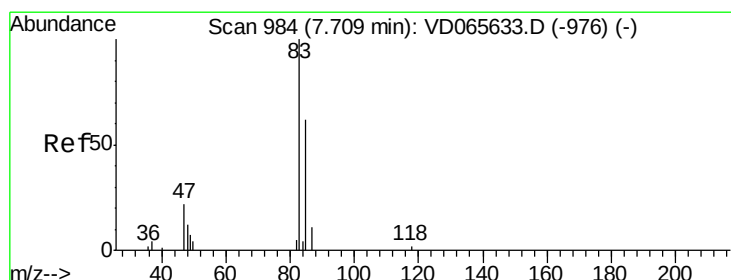
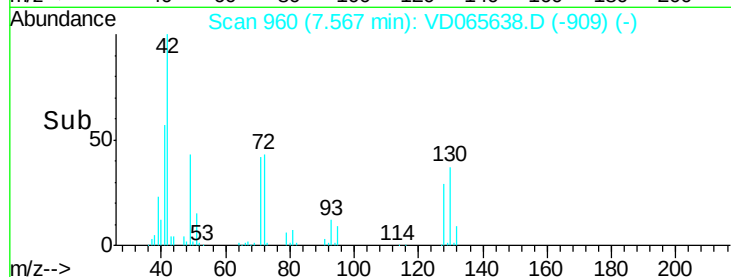
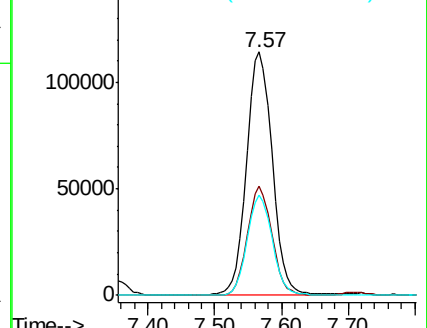
71 39.8 31.4 47.0



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: 130.533 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065638.D

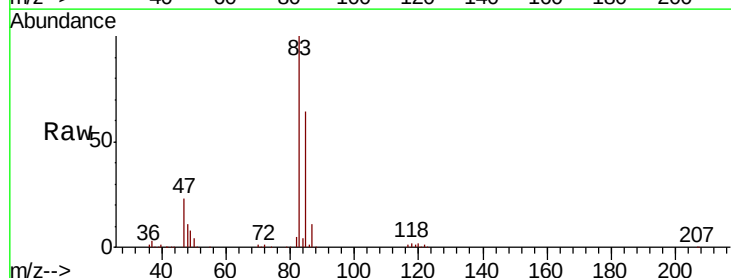
Acq: 15 Apr 2020 16:28

Tgt Ion: 83 Resp: 606998

Ion Ratio Lower Upper

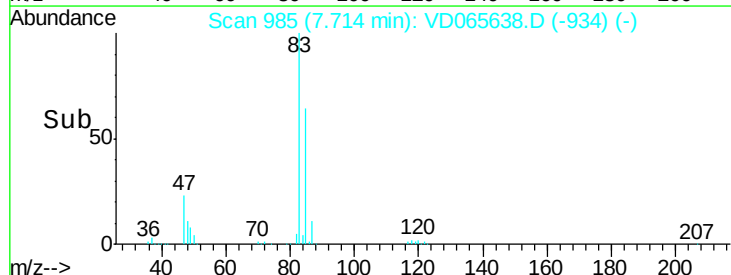
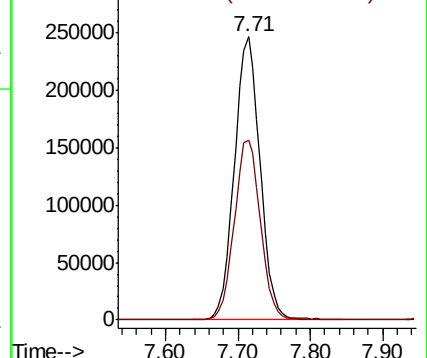
83 100

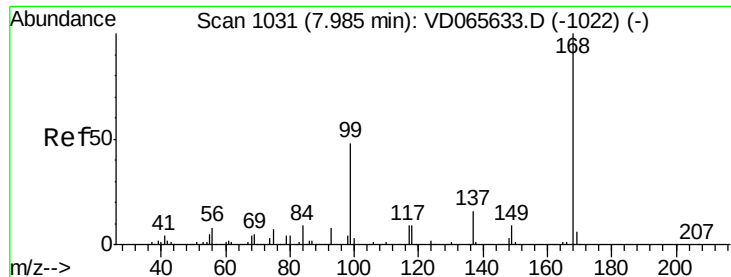
85 63.5 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

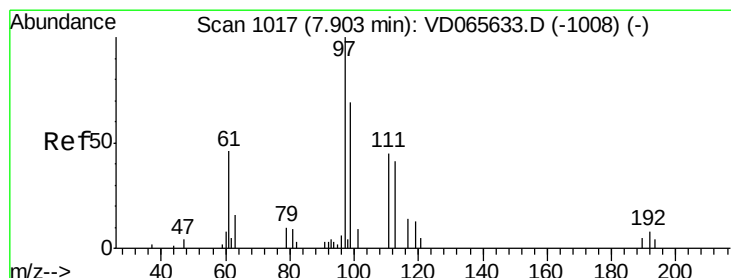
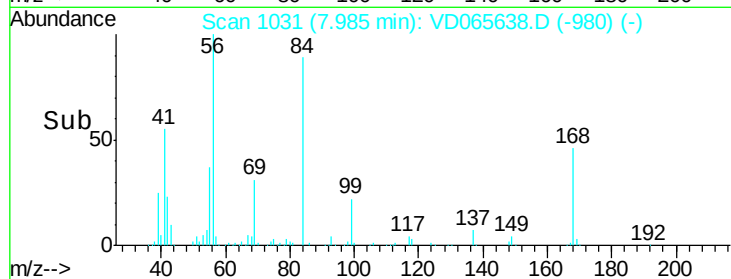
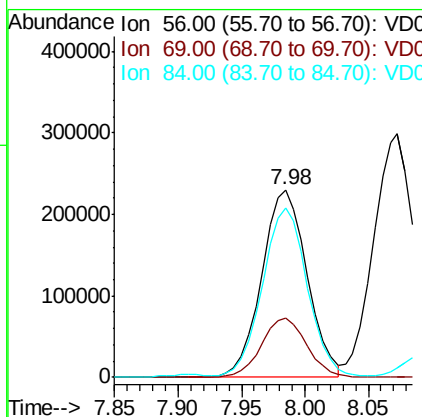
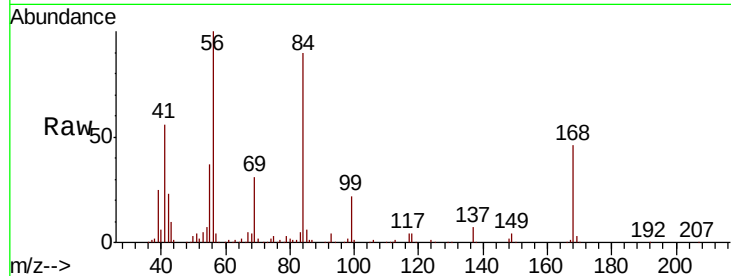




#31
Cyclohexane
Concen: 137.904 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

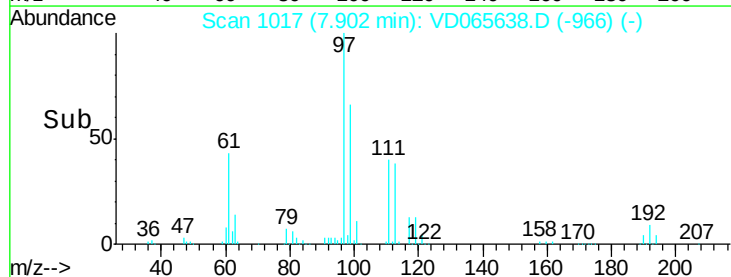
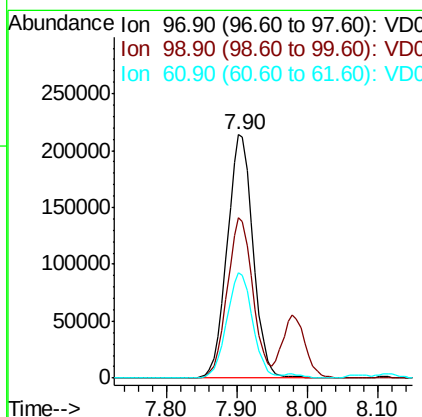
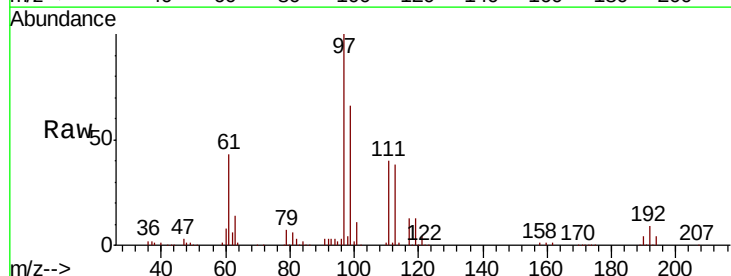
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

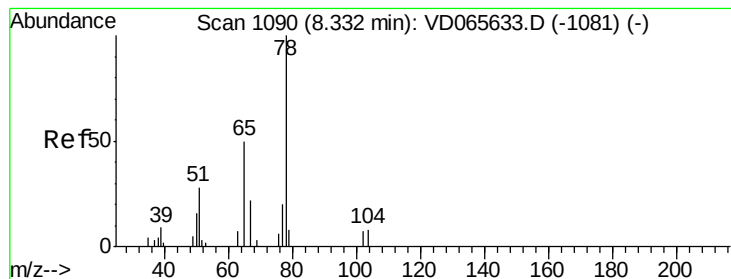
Tot Ion: 56 Resp: 572740
Ion Ratio Lower Upper
56 100
69 31.4 26.6 40.0
84 88.9 75.3 112.9



#32
1,1,1-Trichloroethane
Concen: 130.068 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Tgt Ion: 97 Resp: 543996
Ion Ratio Lower Upper
97 100
99 65.2 51.5 77.3
61 43.0 34.8 52.2





#33

1,2-Dichloroethane-d4

Concen: 127.935 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

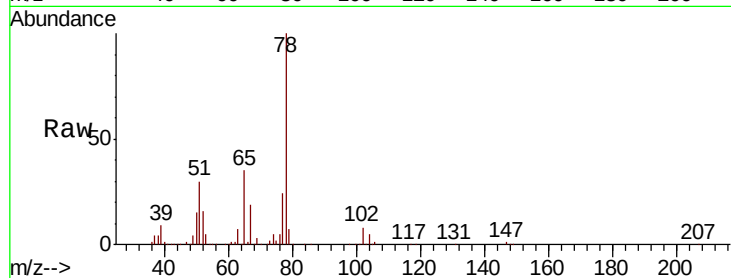
VSTDIC150

Tot Ion: 65 Resp: 298536

Ion Ratio Lower Upper

65 100

67 54.9 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

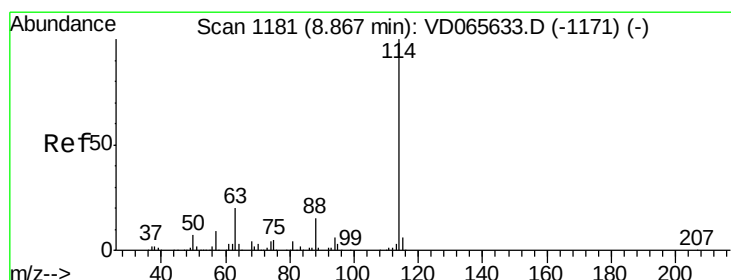
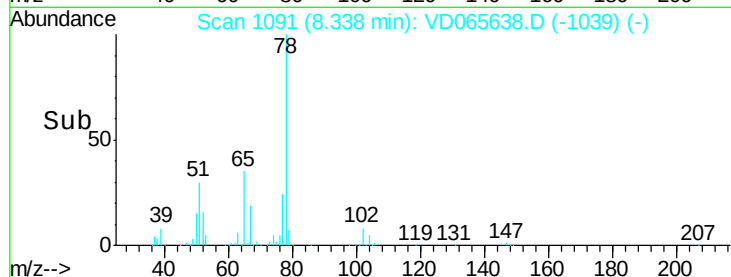
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

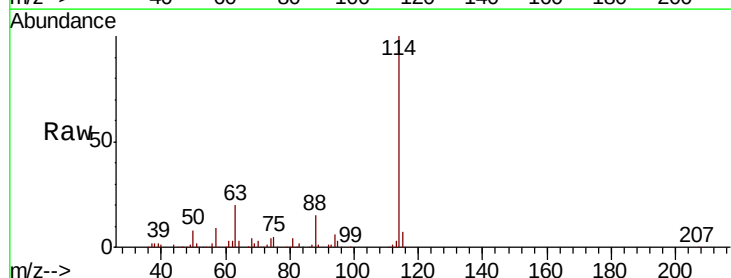
Tgt Ion: 114 Resp: 340343

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

88 14.6 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

200000

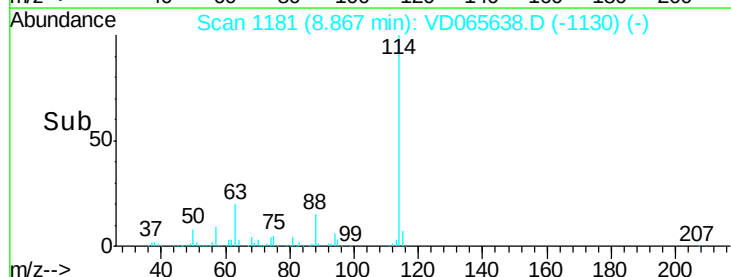
150000

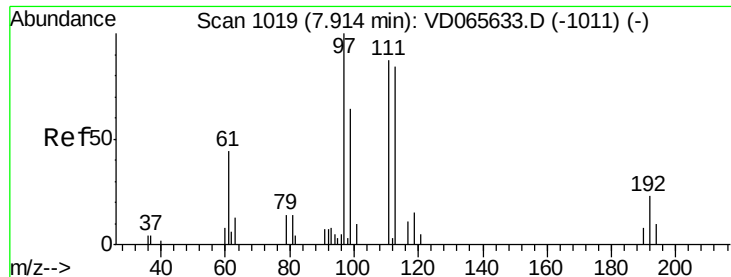
100000

50000

0

Time-->

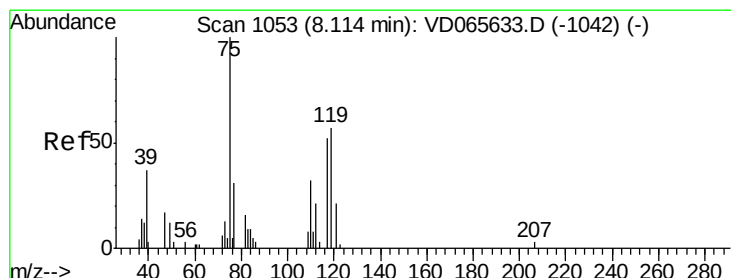
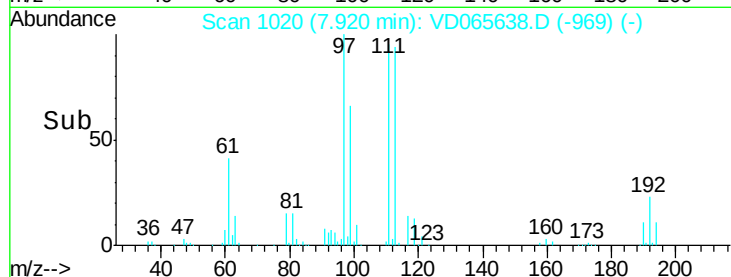
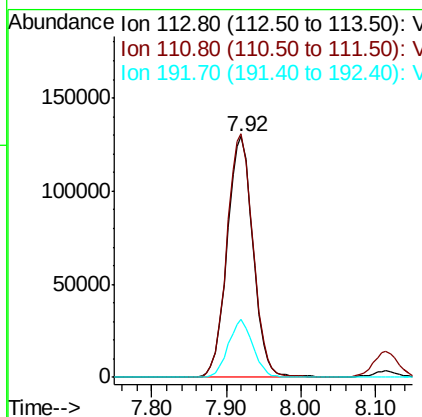
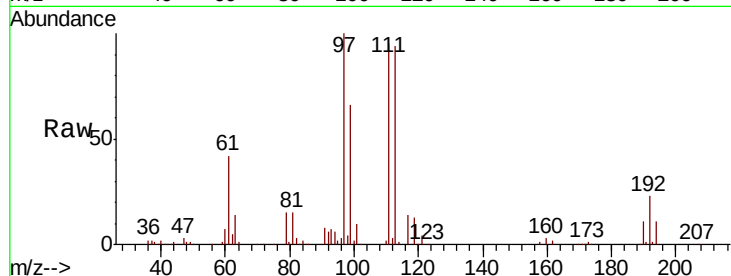




#35
 Dibromofluoromethane
 Concen: 133.718 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

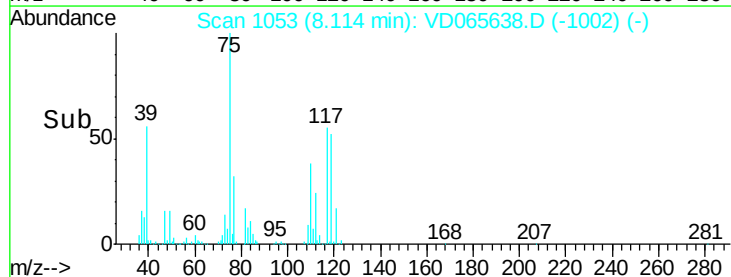
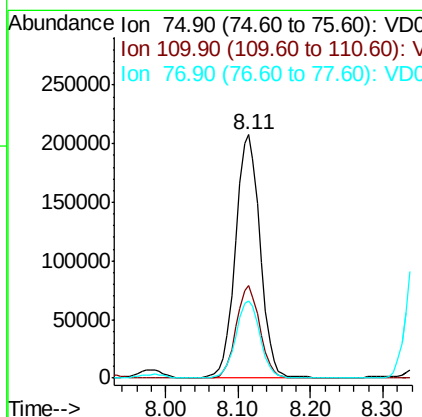
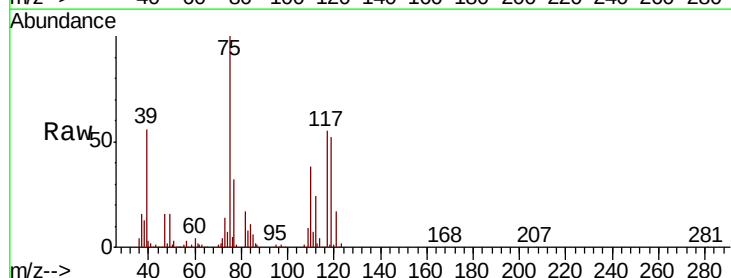
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

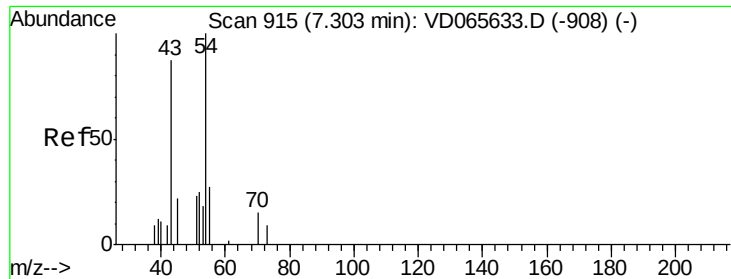
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.9	122.9
192	22.8	18.9	28.3



#36
 1,1-Dichloropropene
 Concen: 141.463 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.3	54.8
77	31.7	24.6	37.0

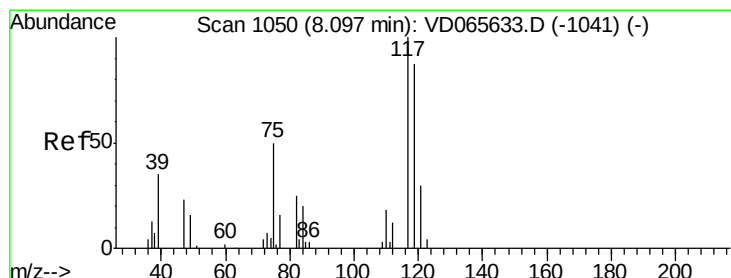
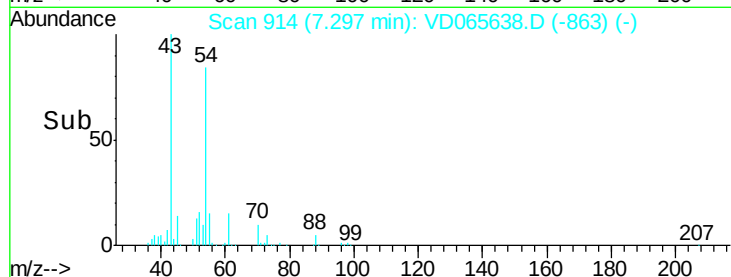
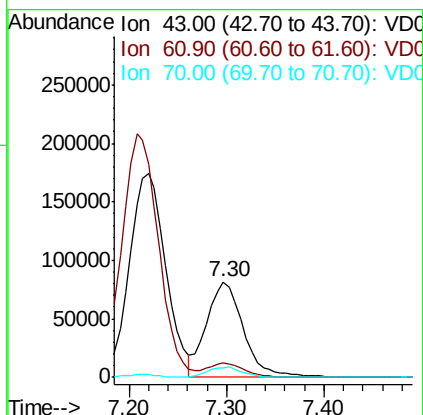
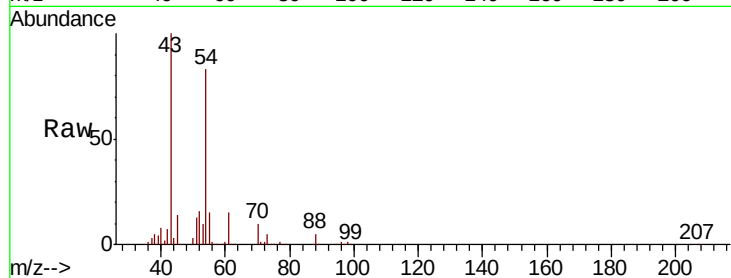




#37
Ethyl Acetate
Concen: 157.563 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

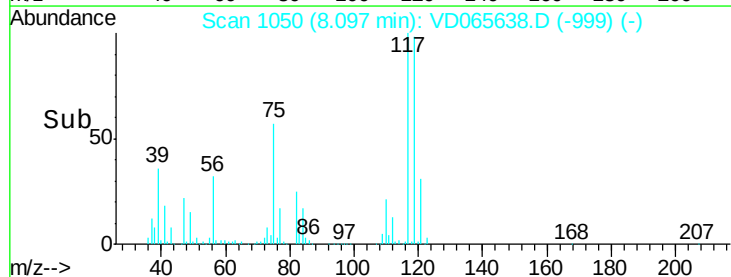
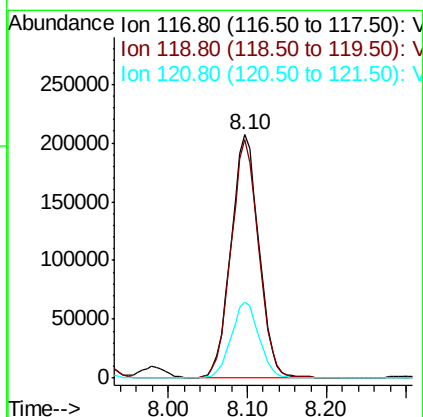
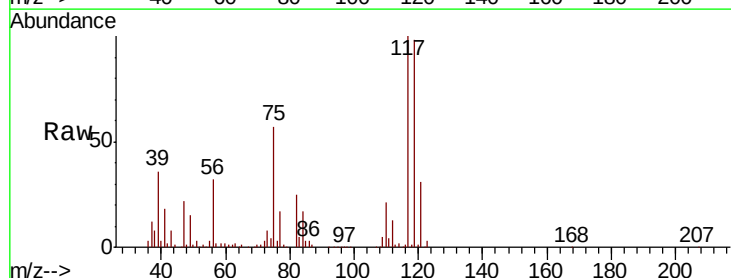
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

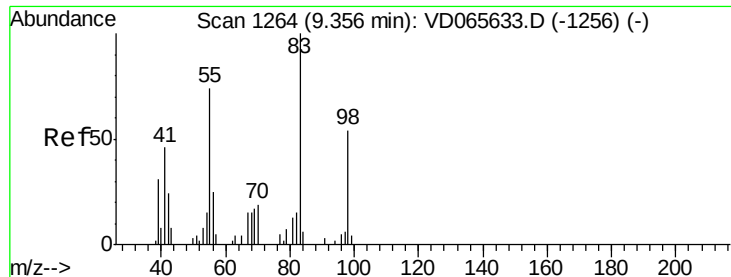
Tot Ion: 43 Resp: 210498
Ion Ratio Lower Upper
43 100
61 14.8 10.9 16.3
70 10.3 7.9 11.9



#38
Carbon Tetrachloride
Concen: 134.545 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Tgt Ion: 117 Resp: 504112
Ion Ratio Lower Upper
117 100
119 98.2 75.3 112.9
121 31.2 24.9 37.3

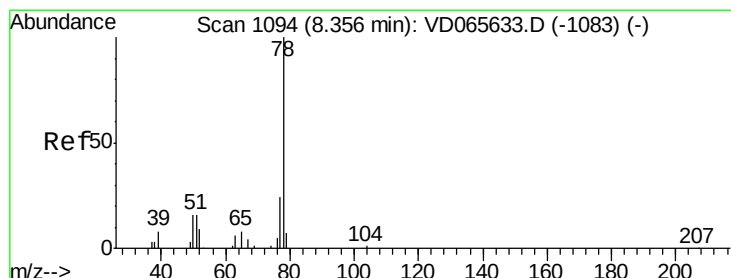
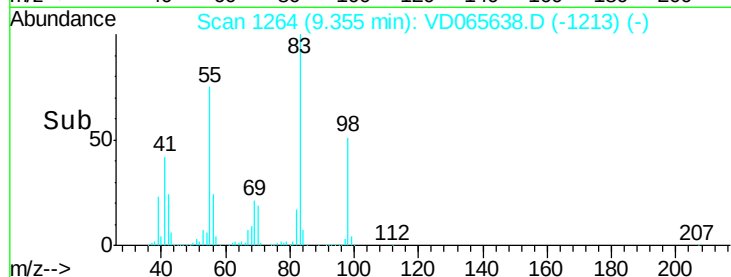
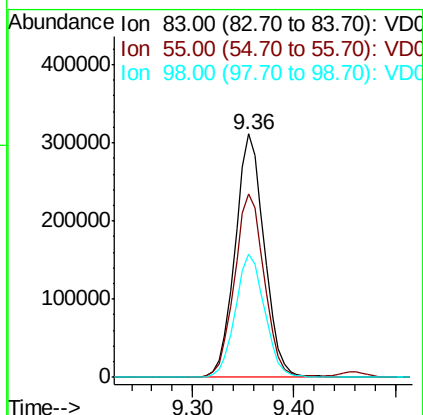
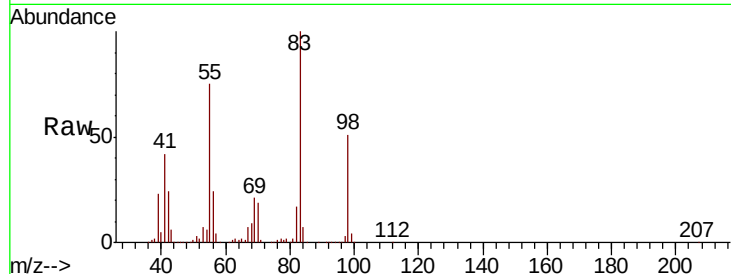




#39
Methylvlcyclohexane
Concen: 159.086 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

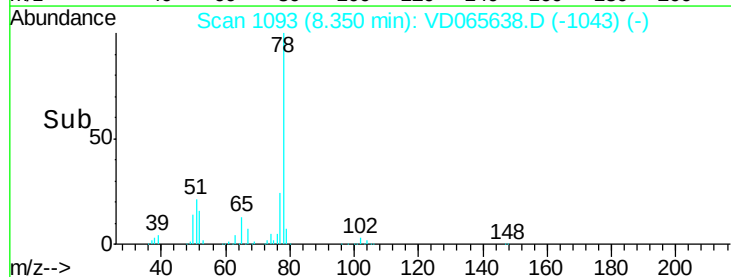
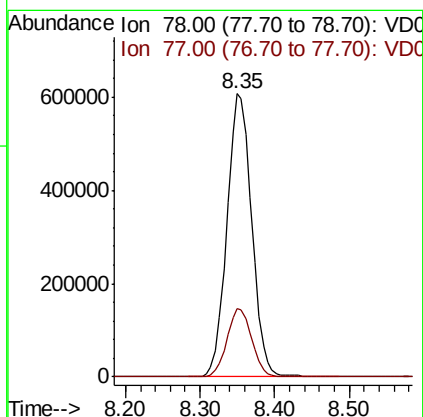
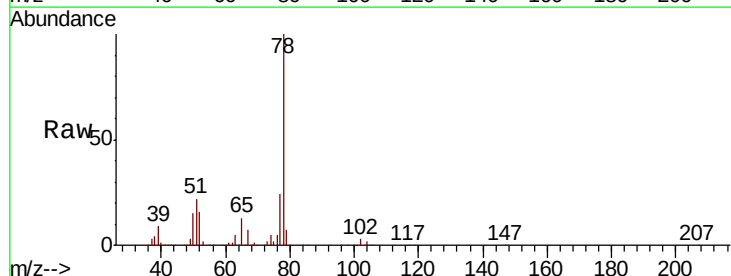
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

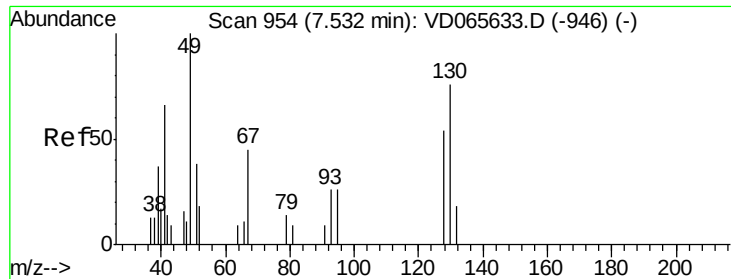
Tot Ion: 83 Resp: 621052
Ion Ratio Lower Upper
83 100
55 75.4 62.3 93.5
98 50.7 40.5 60.7



#40
Benzene
Concen: 142.079 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Tgt Ion: 78 Resp: 1404300
Ion Ratio Lower Upper
78 100
77 24.0 18.9 28.3





#41

Methacrylonitrile

Concen: 174.606 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 132175

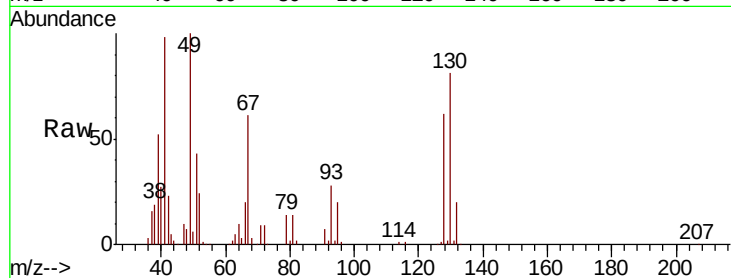
Ion Ratio Lower Upper

41 100

39 51.8 0.0 0.0#

67 66.9 0.0 0.0#

52 27.4 0.0 0.0#



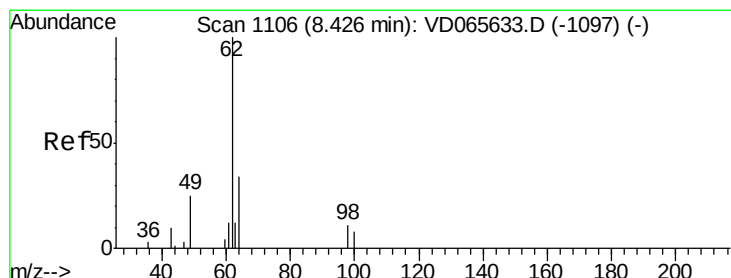
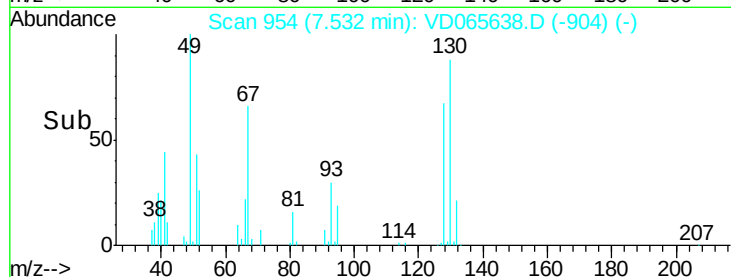
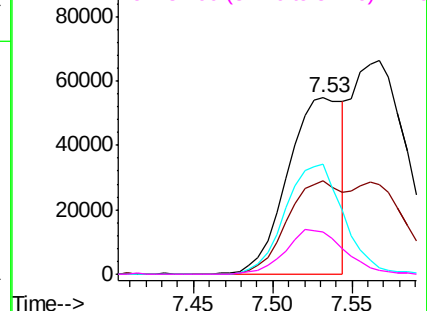
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 140.116 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD065638.D

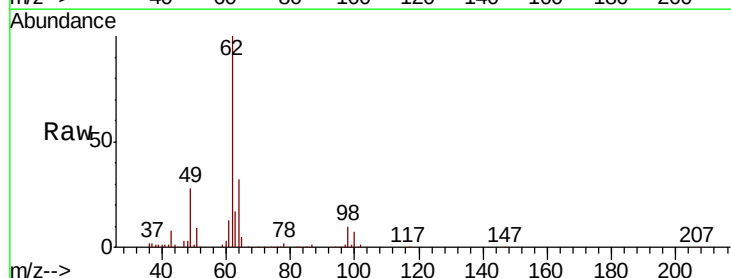
Acq: 15 Apr 2020 16:28

Tgt Ion: 62 Resp: 391654

Ion Ratio Lower Upper

62 100

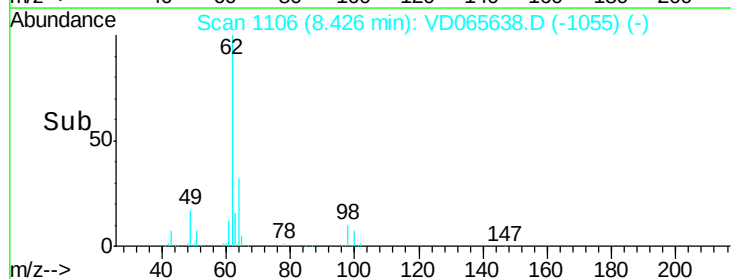
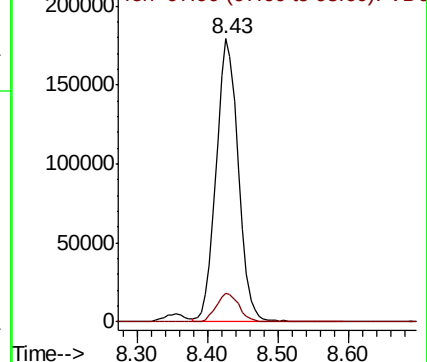
98 10.5 0.0 20.6

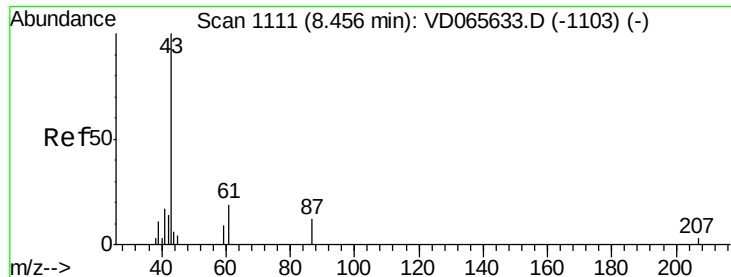


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 164.386 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

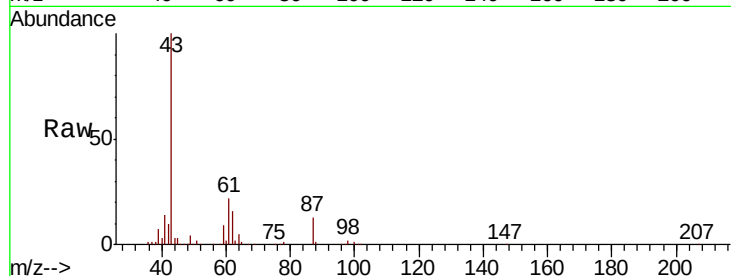
Tot Ion: 43 Resp: 395543

Ion Ratio Lower Upper

43 100

61 30.7 25.0 37.6

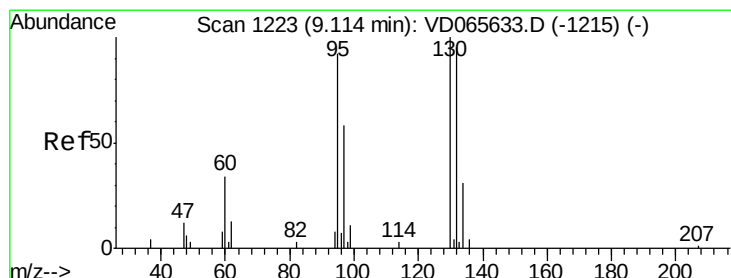
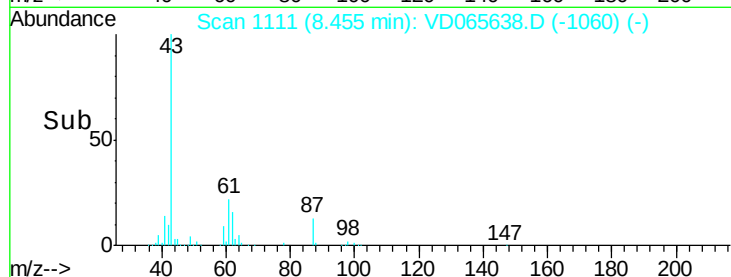
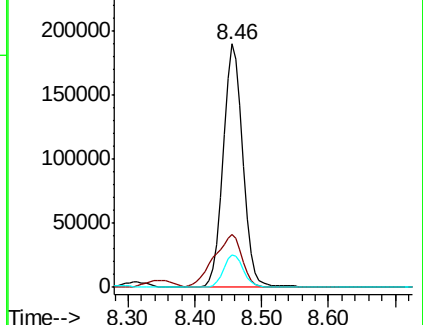
87 13.3 9.9 14.9



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: 139.186 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065638.D

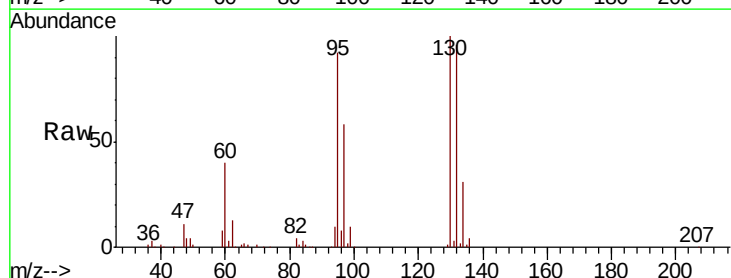
Acq: 15 Apr 2020 16:28

Tgt Ion:130 Resp: 393000

Ion Ratio Lower Upper

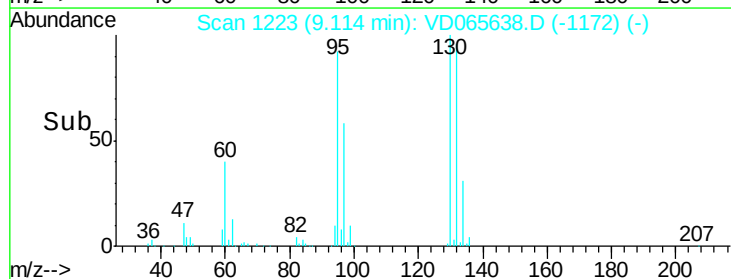
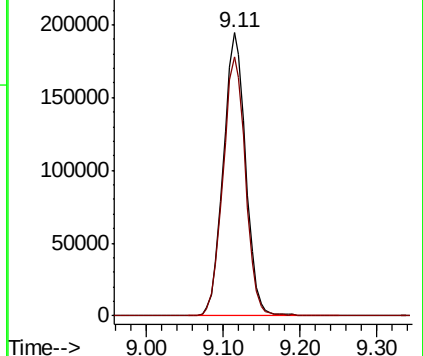
130 100

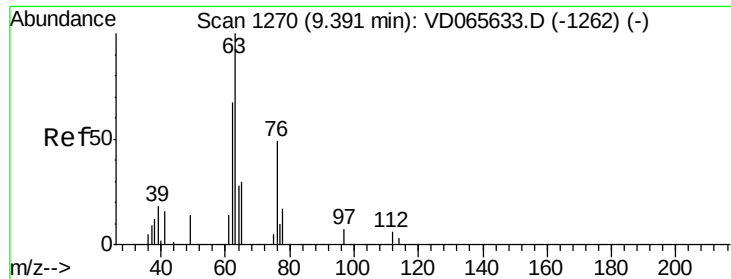
95 91.6 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

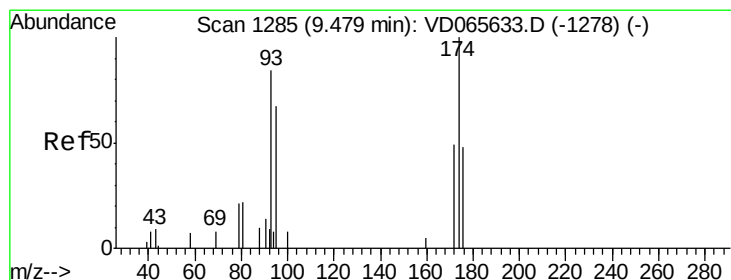
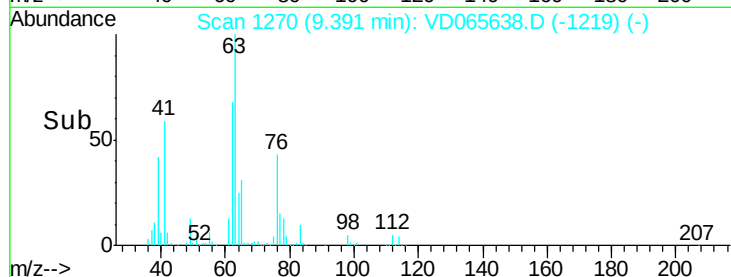
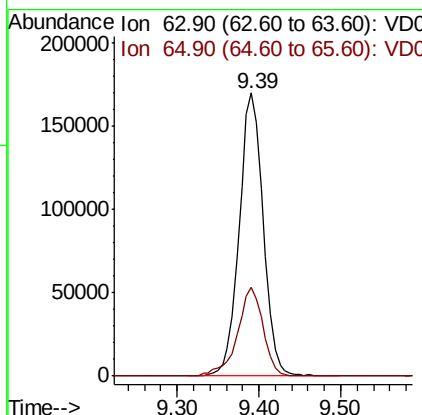
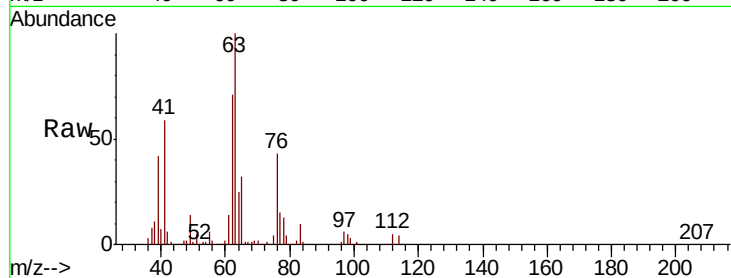




#45
 1,2-Dichloropropane
 Concen: 143.640 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

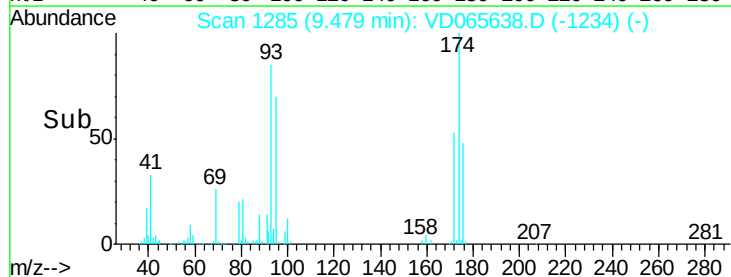
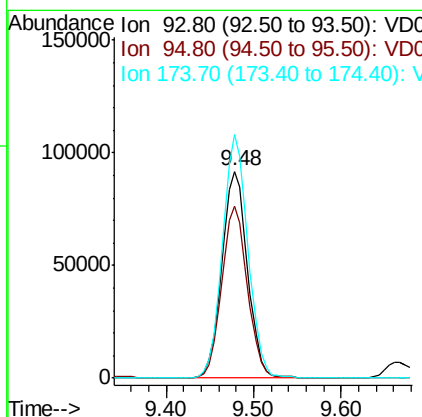
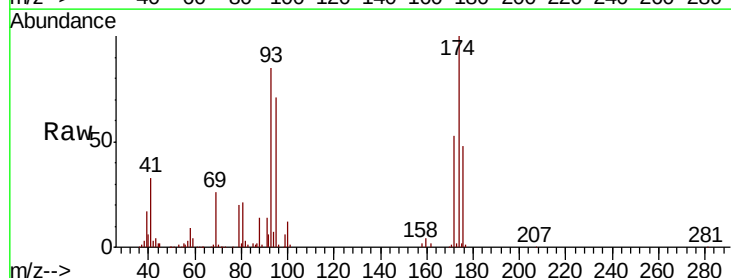
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

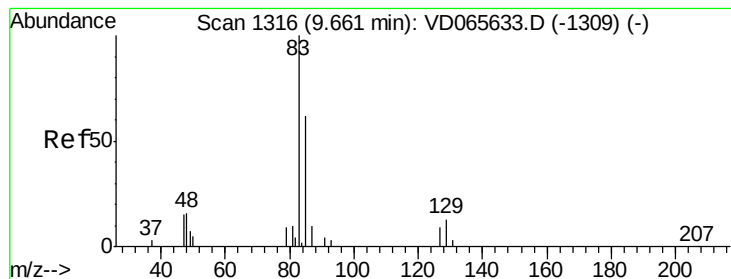
Tot Ion: 63 Resp: 348367
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.7 37.1



#46
 Dibromomethane
 Concen: 141.786 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Tgt Ion: 93 Resp: 185344
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.4 101.2
 174 116.5 94.1 141.1





#47

Bromodichloromethane

Concen: 139.799 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

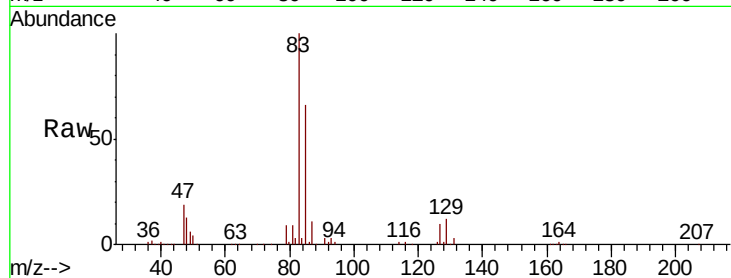
Tot Ion: 83 Resp: 476891

Ion Ratio Lower Upper

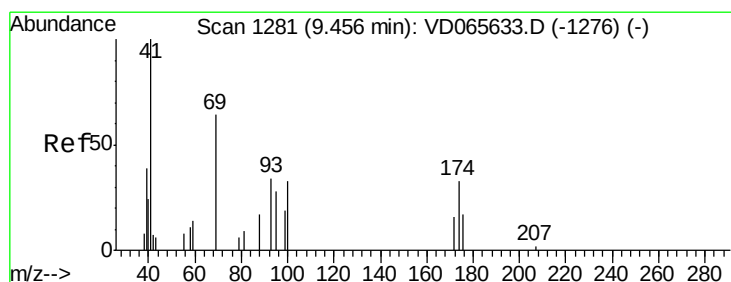
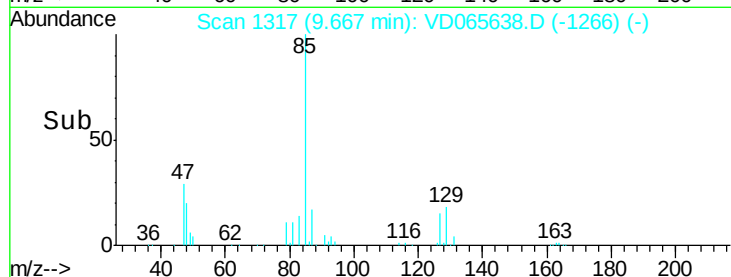
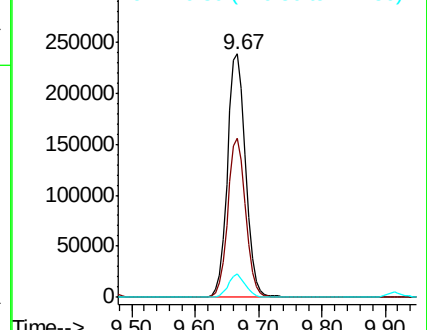
83 100

85 65.5 49.8 74.8

127 9.6 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 170.207 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

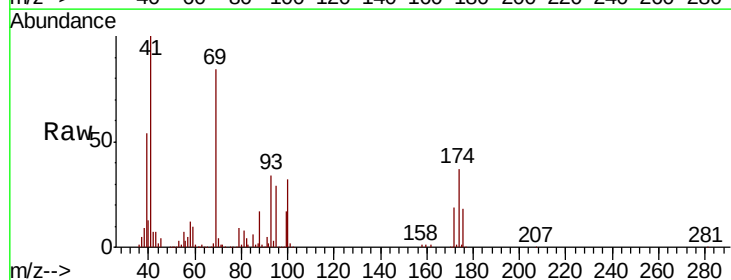
Tgt Ion: 41 Resp: 195303

Ion Ratio Lower Upper

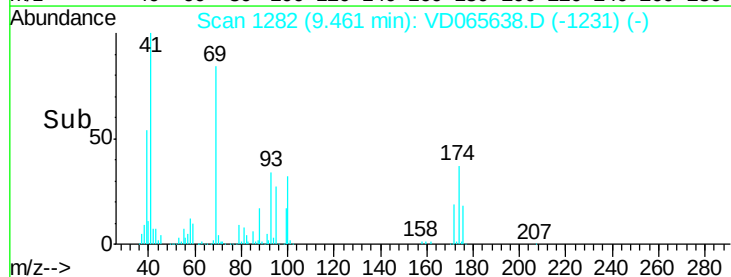
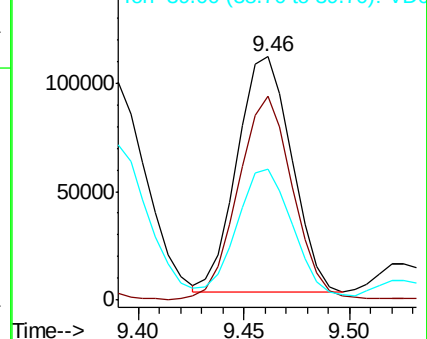
41 100

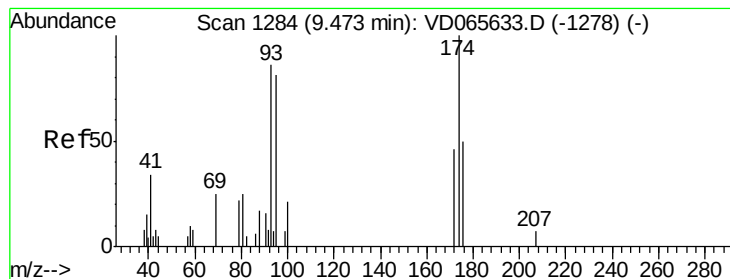
69 87.5 66.8 100.2

39 53.5 39.6 59.4



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





#49

1,4-Dioxane

Concen: 3156.671 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

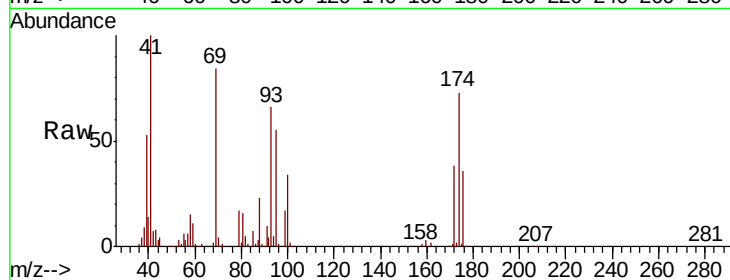
Tot Ion: 88 Resp: 44878

Ion Ratio Lower Upper

88 100

43 34.1 28.1 42.1

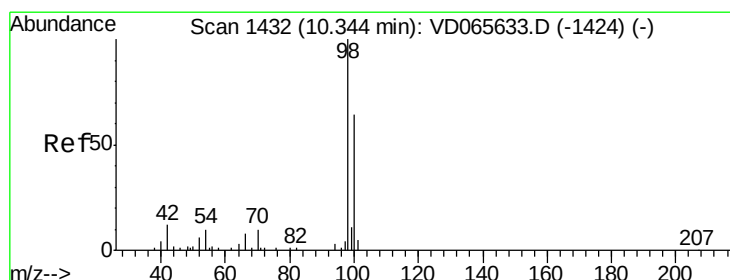
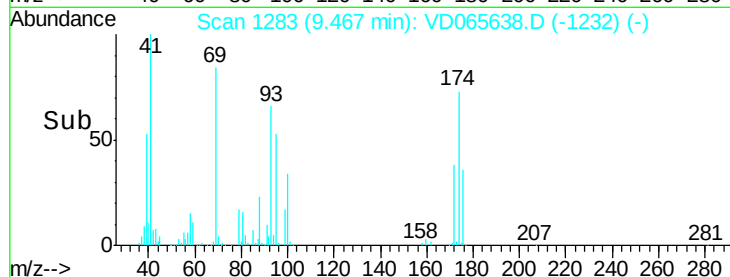
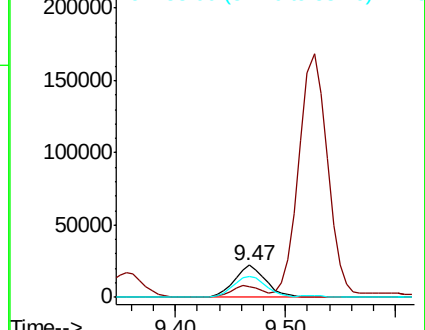
58 69.3 55.7 83.5



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: 138.341 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065638.D

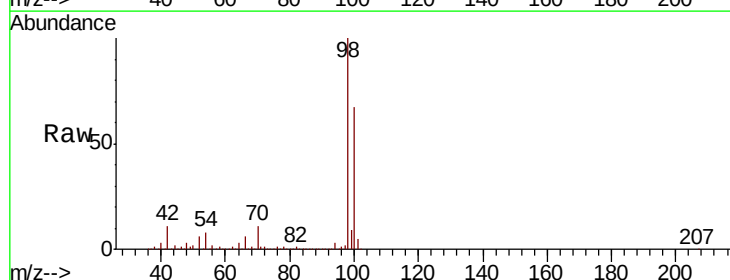
Acq: 15 Apr 2020 16:28

Tgt Ion: 98 Resp: 1176537

Ion Ratio Lower Upper

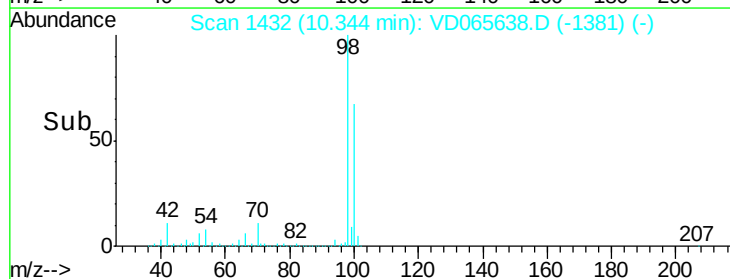
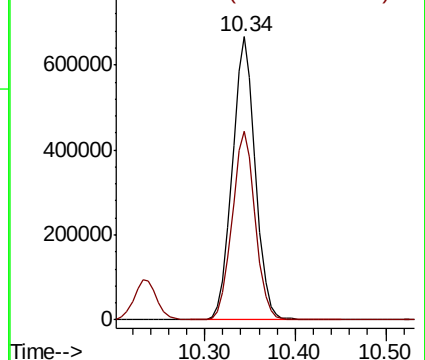
98 100

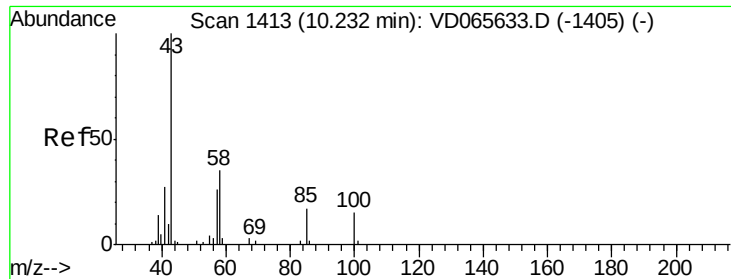
100 67.1 52.4 78.6



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: 819.445 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

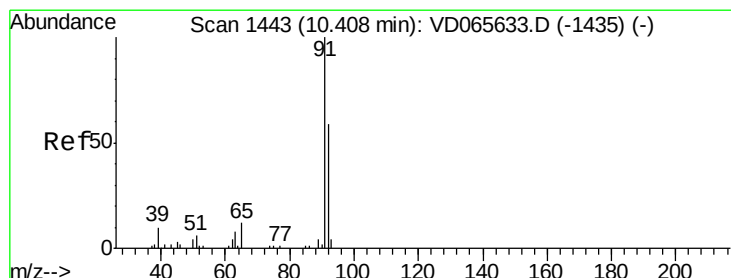
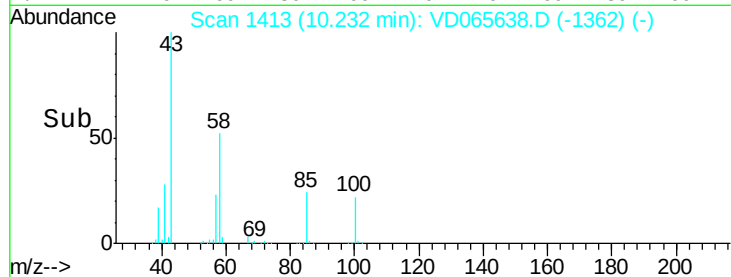
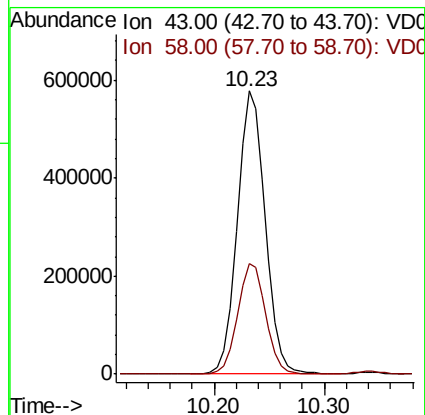
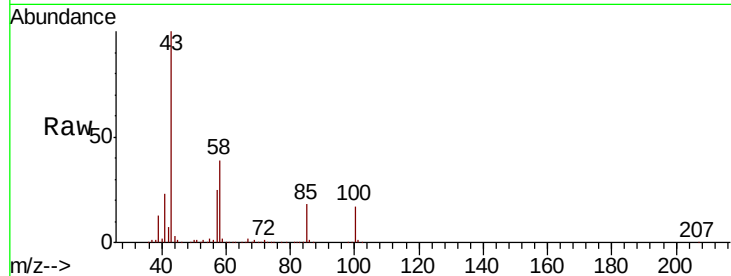
VSTDIC150

Tot Ion: 43 Resp: 1024072

Ion Ratio Lower Upper

43 100

58 39.4 31.1 46.7



#52

Toluene

Concen: 146.474 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065638.D

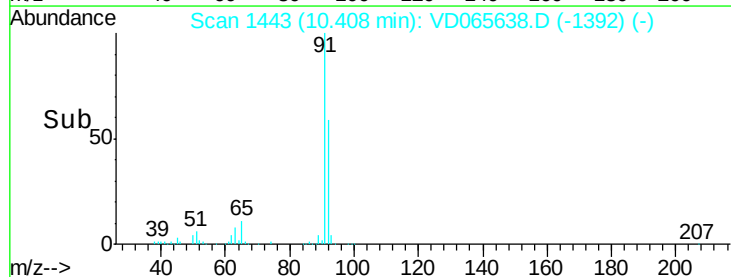
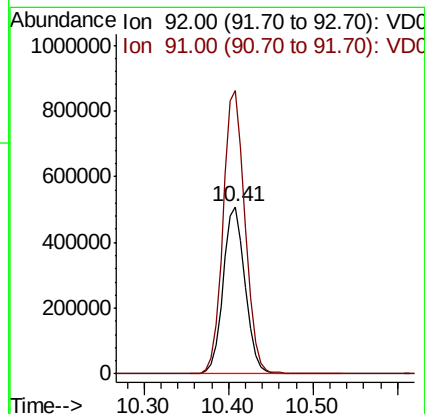
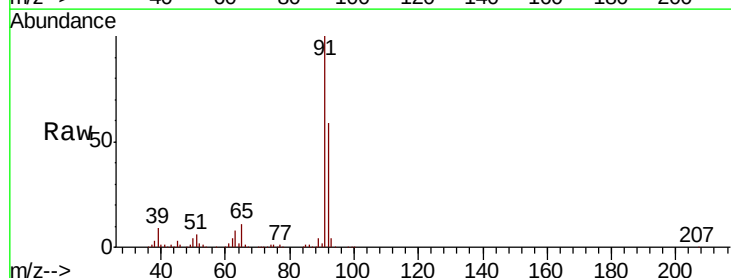
Acq: 15 Apr 2020 16:28

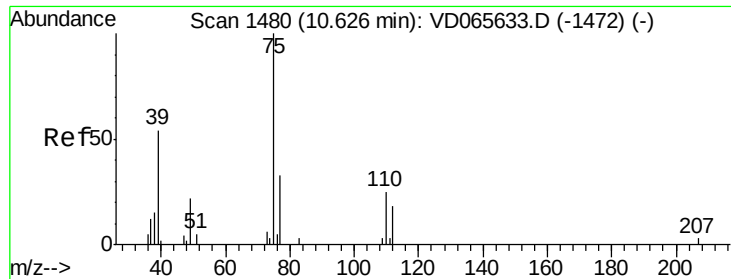
Tgt Ion: 92 Resp: 912486

Ion Ratio Lower Upper

92 100

91 170.2 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 157.809 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

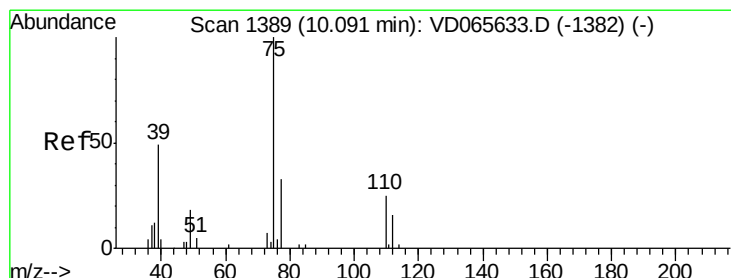
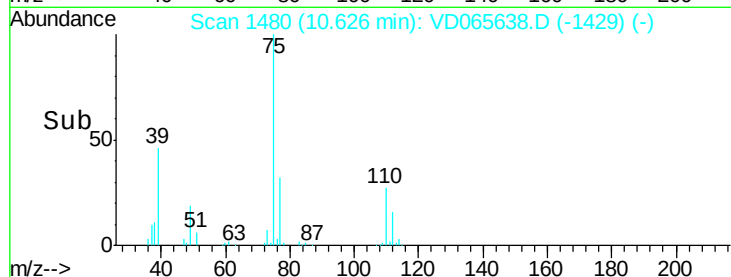
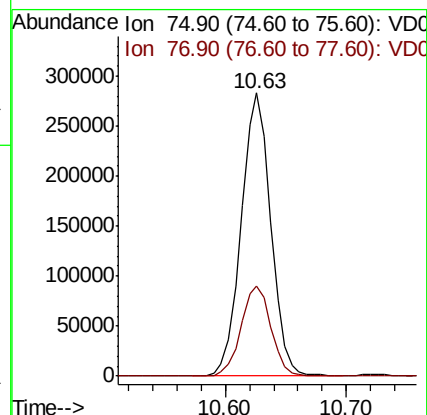
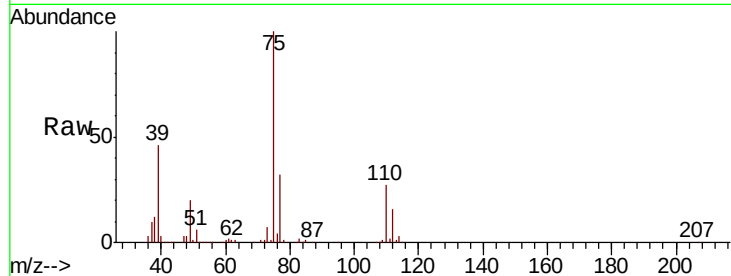
VSTDIC150

Tot Ion: 75 Resp: 482955

Ion Ratio Lower Upper

75 100

77 32.0 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 154.346 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

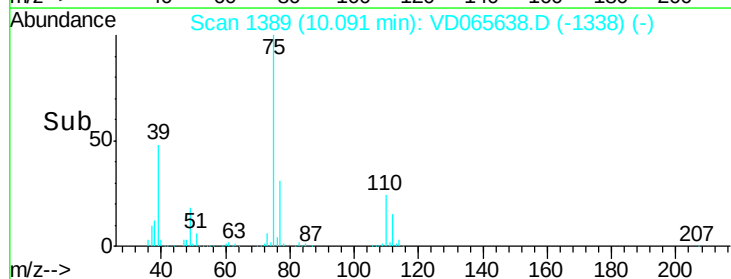
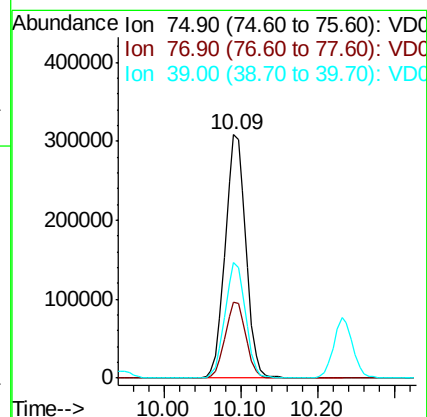
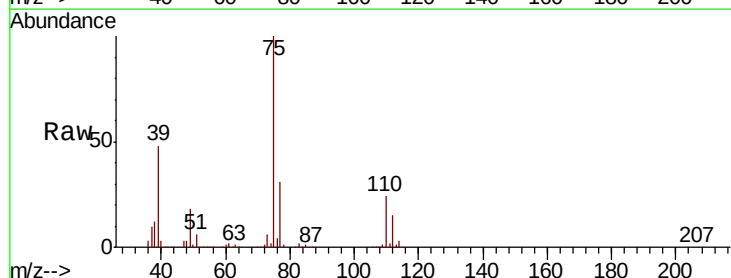
Tgt Ion: 75 Resp: 574437

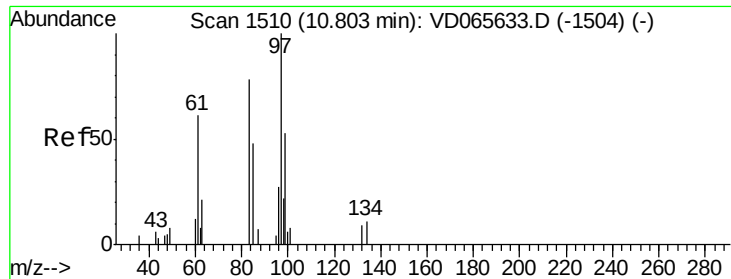
Ion Ratio Lower Upper

75 100

77 31.4 25.2 37.8

39 47.6 38.7 58.1

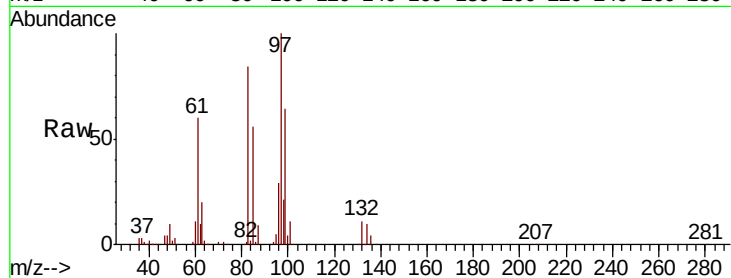




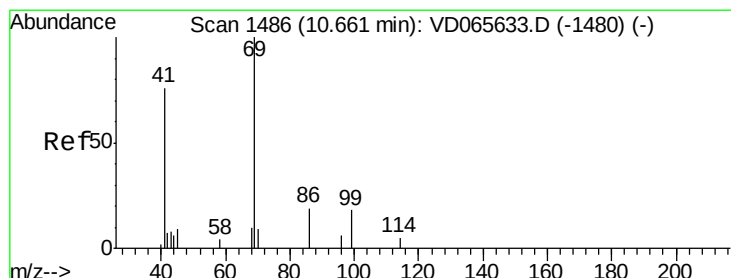
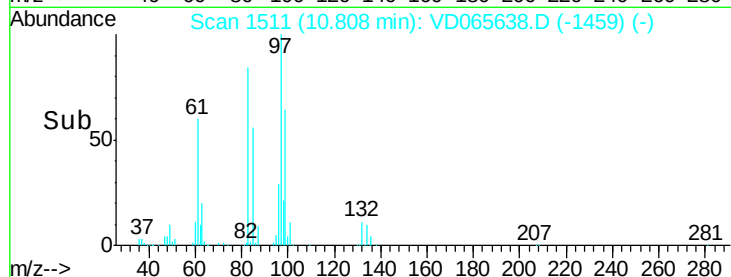
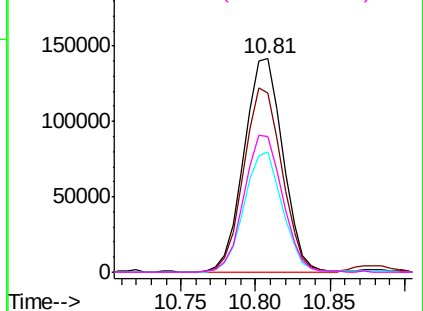
#55
 1,1,2-Trichloroethane
 Concen: 138.850 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	256383
Ion	Ratio	Lower	Upper
97	100		
83	84.1	67.4	101.0
85	56.2	43.4	65.0
99	63.5	50.5	75.7

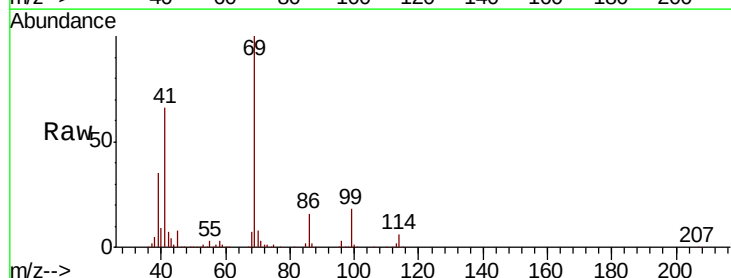


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

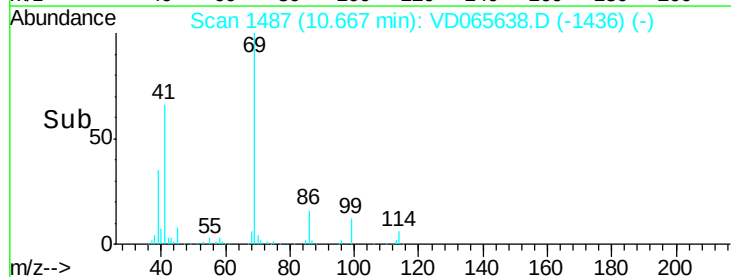
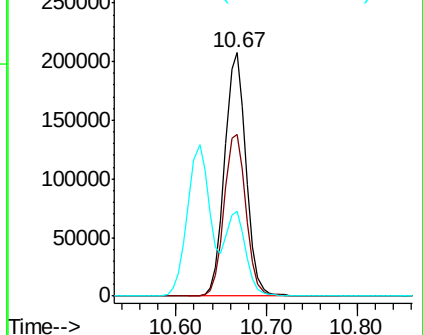


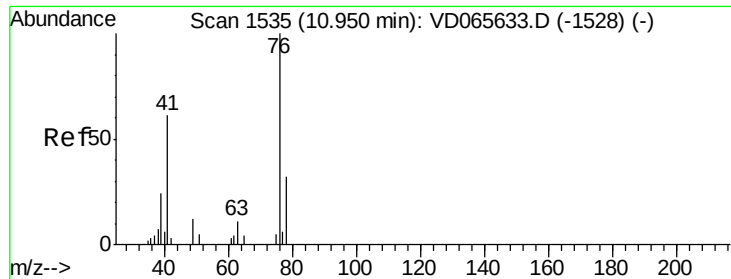
#56
 Ethyl methacrylate
 Concen: 181.449 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Tgt Ion:	69	Resp:	339294
Ion	Ratio	Lower	Upper
69	100		
41	68.7	56.2	84.4
39	31.9	26.6	39.8



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: 147.901 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

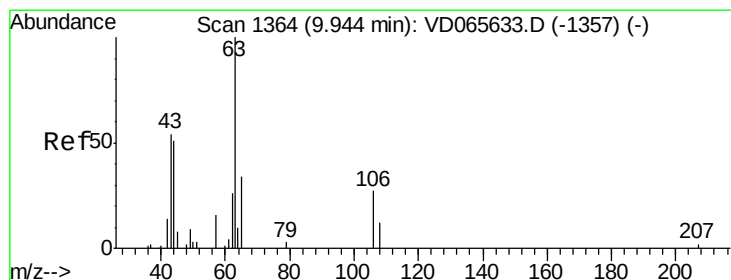
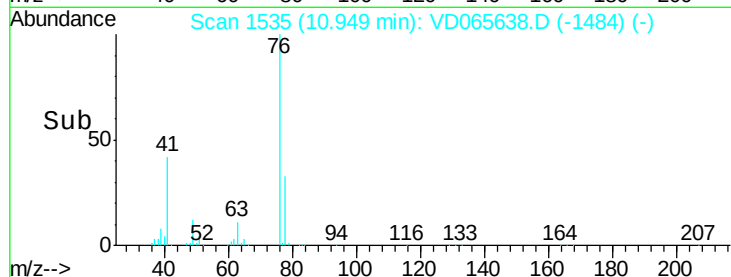
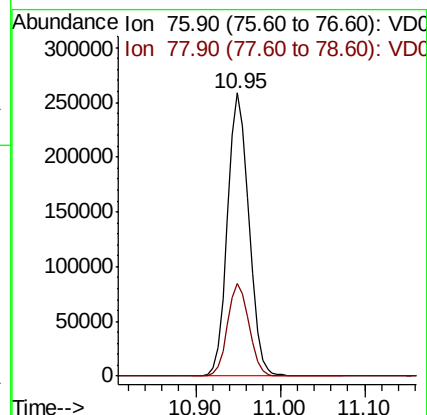
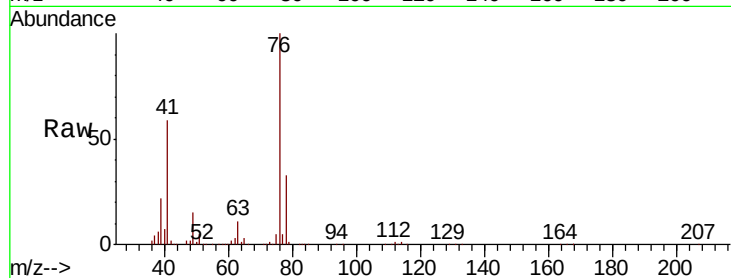
VSTDIC150

Tot Ion: 76 Resp: 452205

Ion Ratio Lower Upper

76 100

78 32.8 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 817.585 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD065638.D

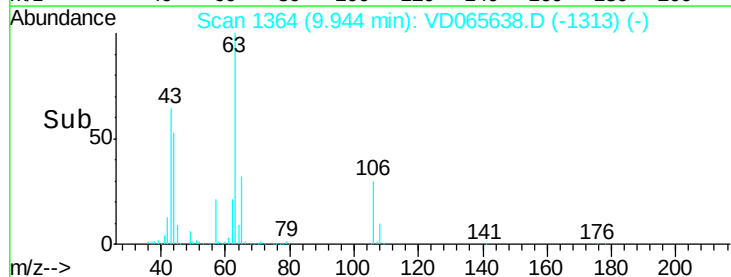
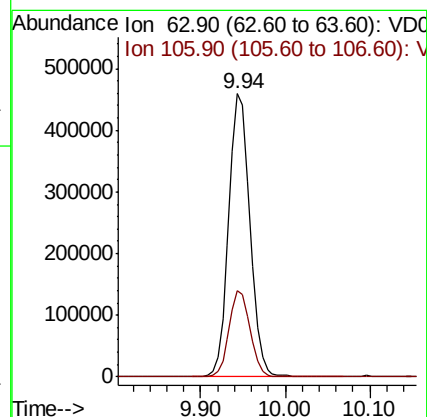
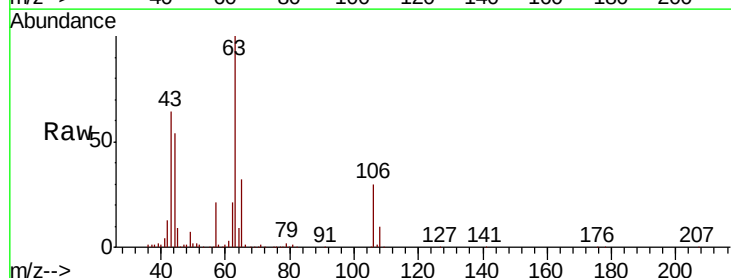
Acq: 15 Apr 2020 16:28

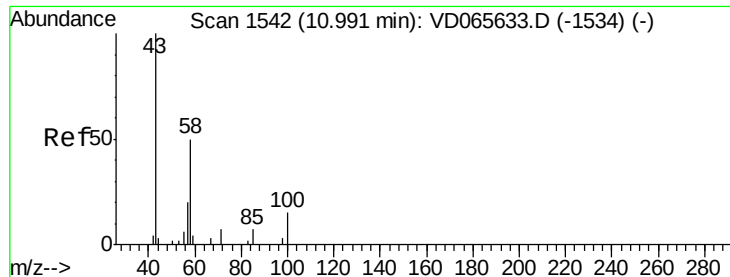
Tgt Ion: 63 Resp: 795880

Ion Ratio Lower Upper

63 100

106 30.0 23.8 35.6

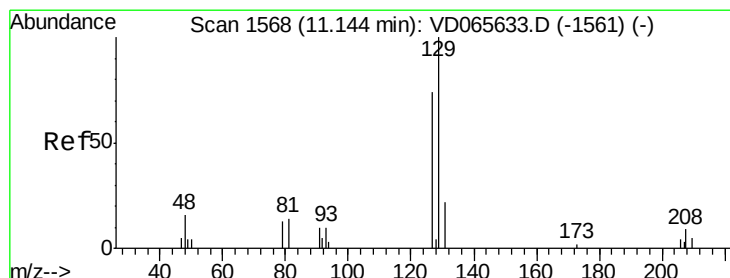
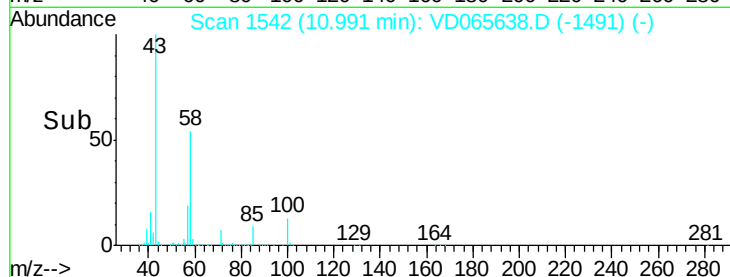
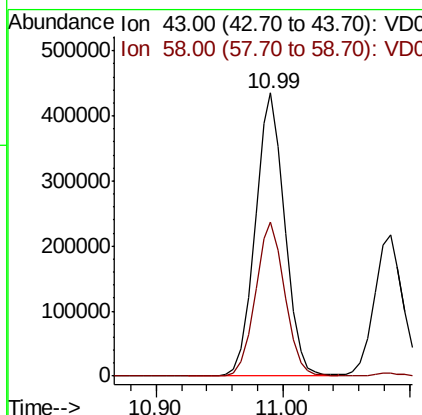
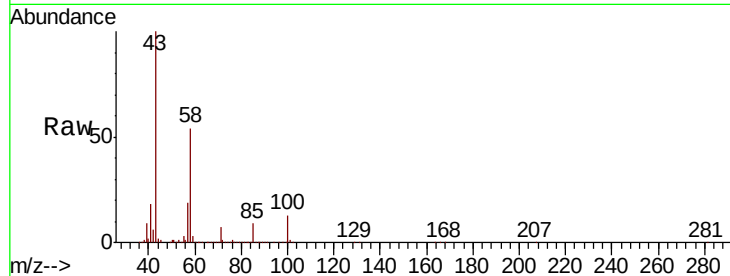




#59
2-Hexanone
Concen: 842.389 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

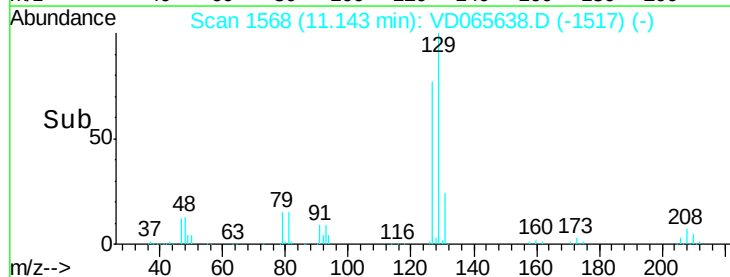
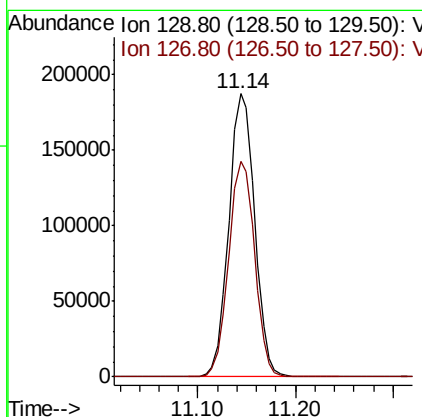
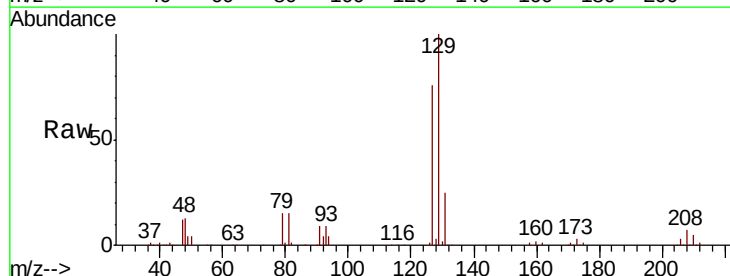
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

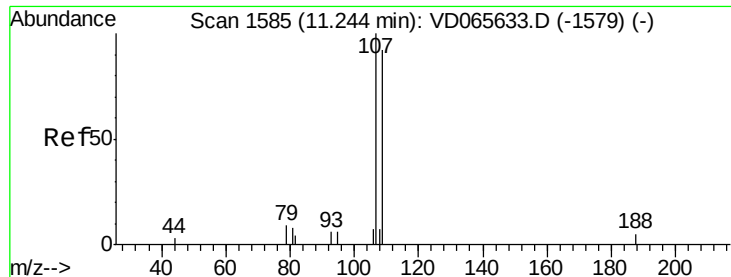
Tot Ion: 43 Resp: 702845
Ion Ratio Lower Upper
43 100
58 54.4 26.5 79.4



#60
Dibromochloromethane
Concen: 141.389 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Tgt Ion: 129 Resp: 344646
Ion Ratio Lower Upper
129 100
127 76.9 38.8 116.3

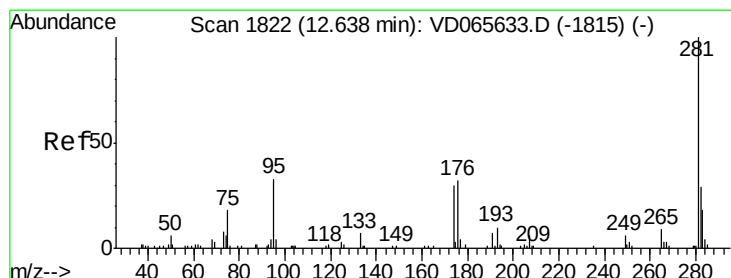
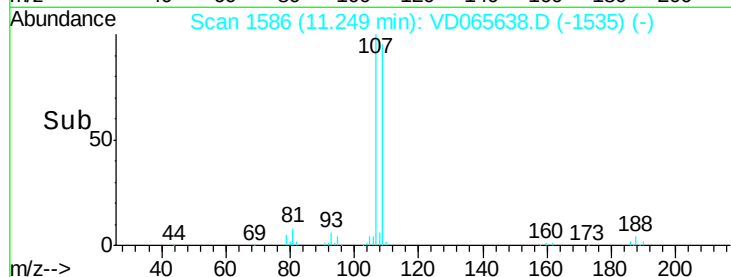
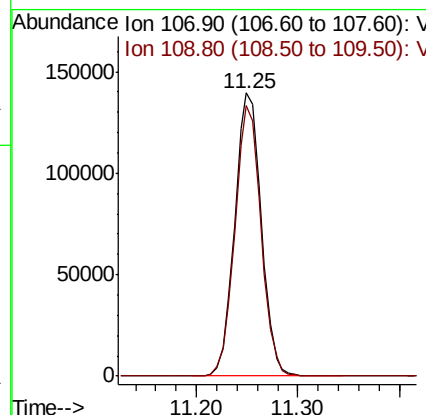
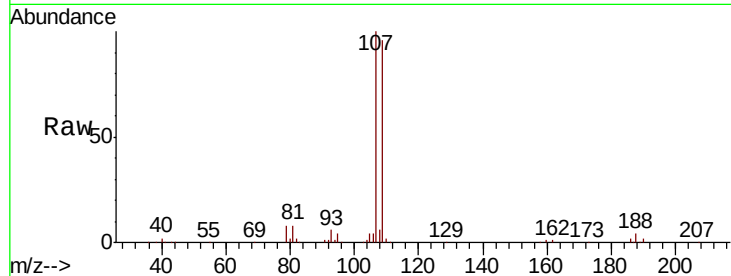




#61
 1,2-Dibromoethane
 Concen: 144.371 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

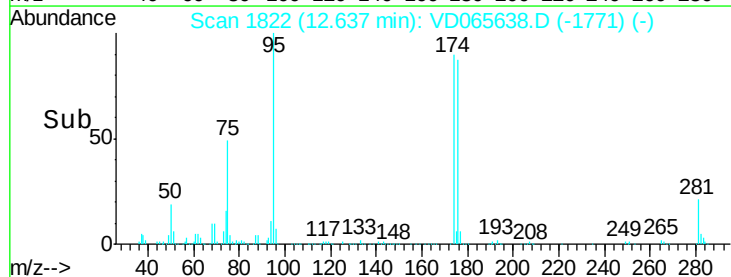
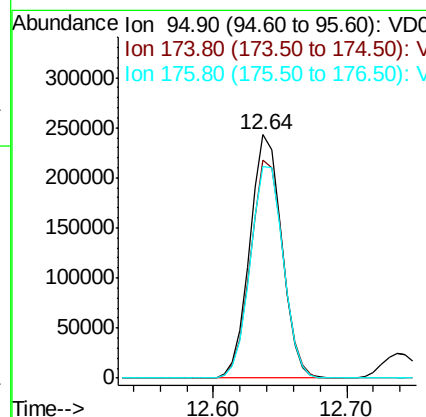
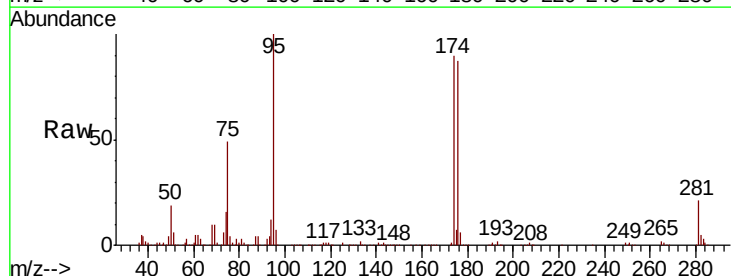
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

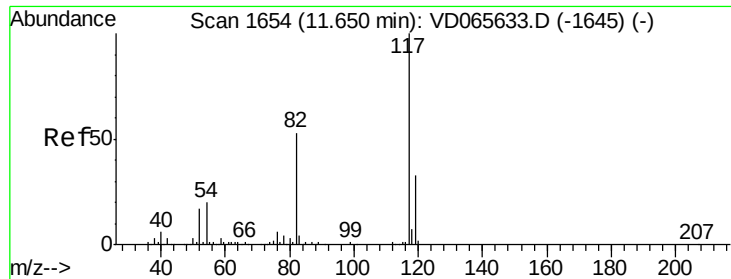
Tot Ion:107 Resp: 253523
 Ion Ratio Lower Upper
 107 100
 109 94.1 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 144.831 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Tgt Ion: 95 Resp: 399679
 Ion Ratio Lower Upper
 95 100
 174 91.1 0.0 183.8
 176 89.7 0.0 181.4

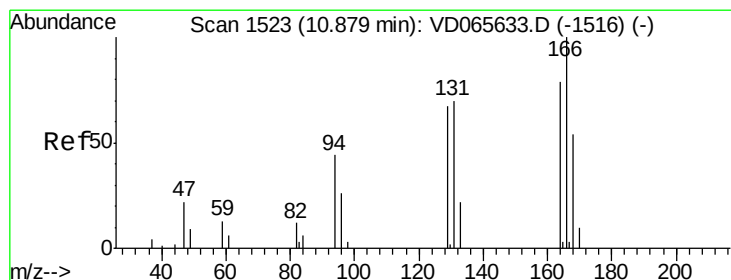
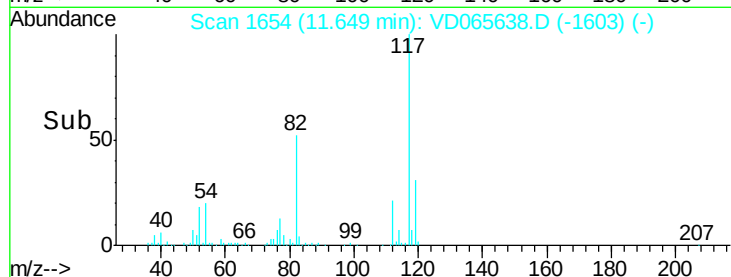
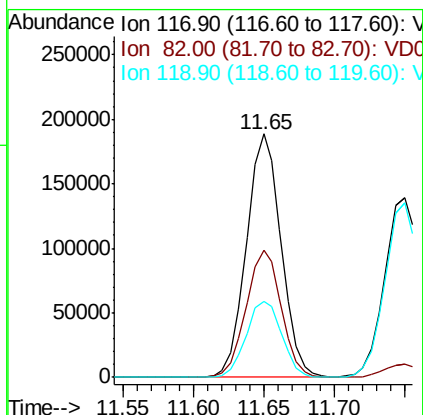
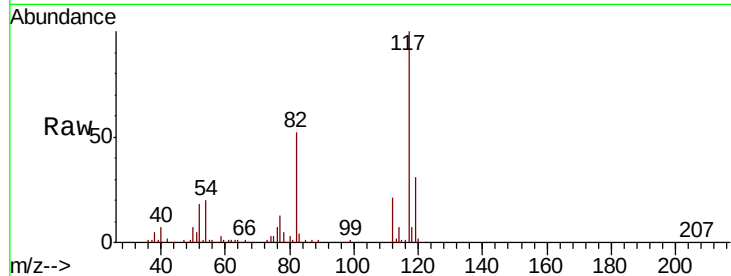




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

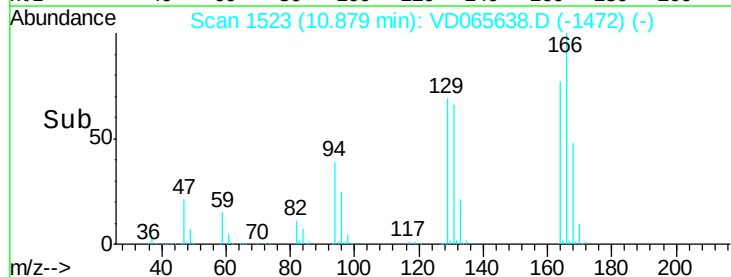
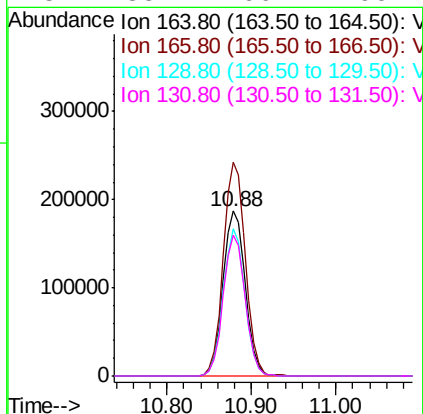
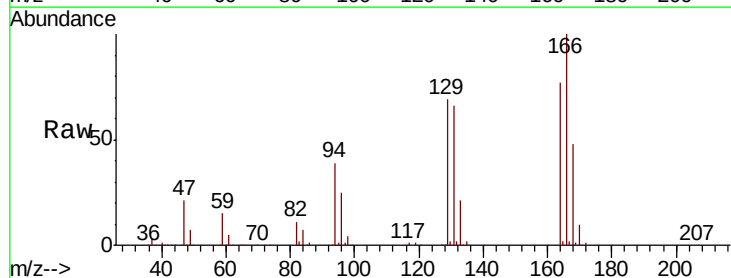
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

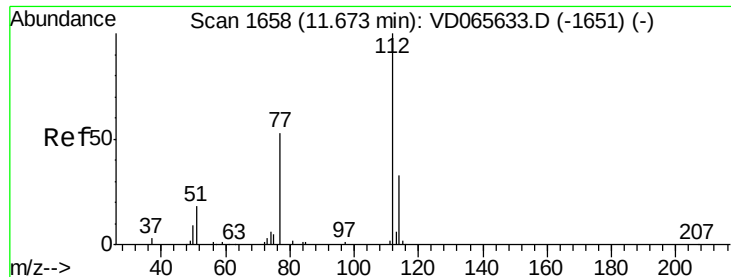
Tot Ion:117 Resp: 325247
Ion Ratio Lower Upper
117 100
82 52.0 43.2 64.8
119 31.3 26.2 39.4



#64
Tetrachloroethene
Concen: 134.301 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Tgt Ion:164 Resp: 339379
Ion Ratio Lower Upper
164 100
166 129.8 102.3 153.5
129 89.6 71.7 107.5
131 85.7 66.2 99.4

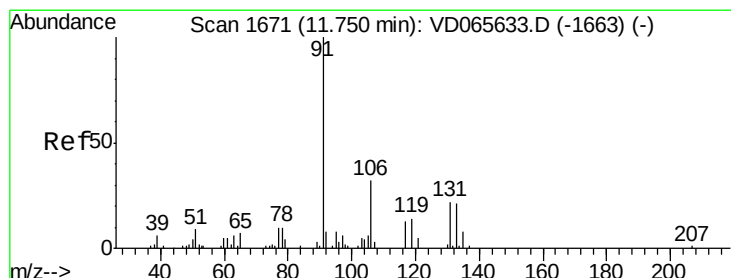
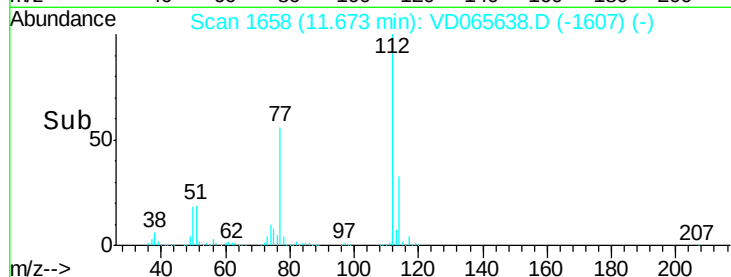
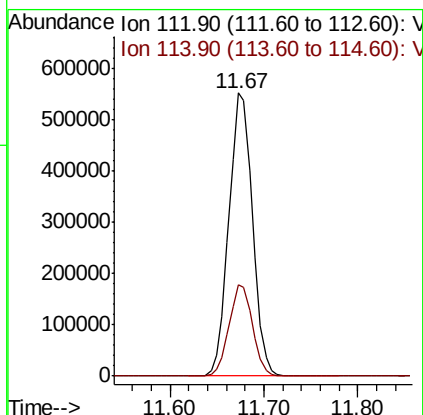
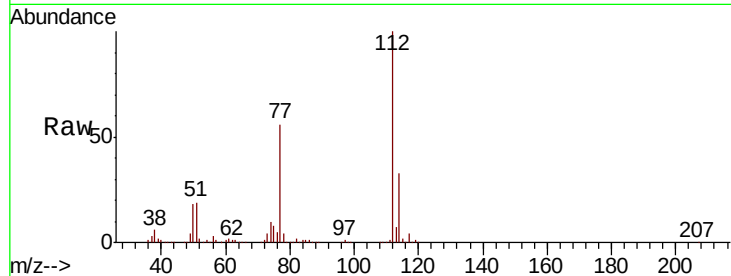




#65
Chlorobenzene
Concen: 139.758 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

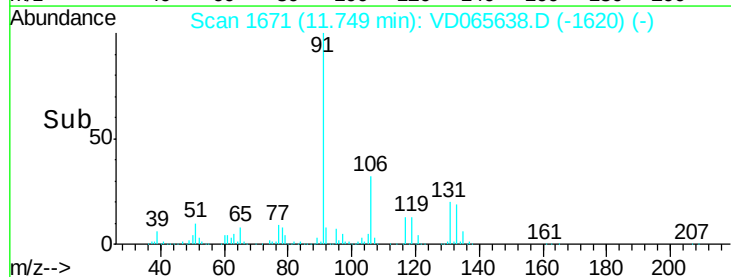
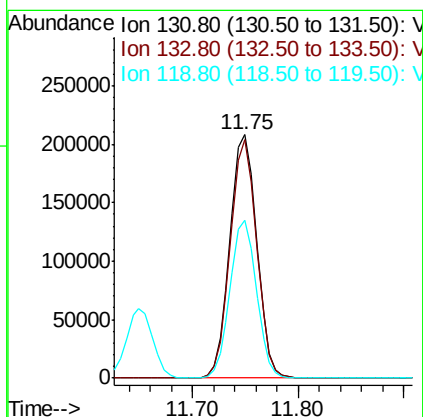
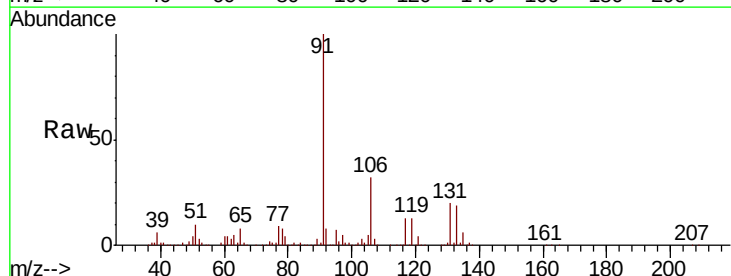
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

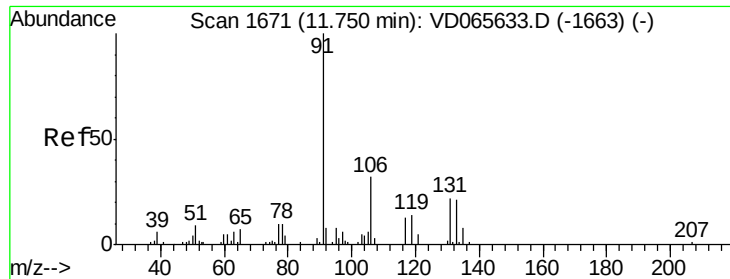
Tot Ion:112 Resp: 964556
Ion Ratio Lower Upper
112 100
114 32.5 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 139.997 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Tgt Ion:131 Resp: 367651
Ion Ratio Lower Upper
131 100
133 95.7 47.7 143.1
119 63.8 32.6 97.7





#67

Ethyl Benzene

Concen: 152.044 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

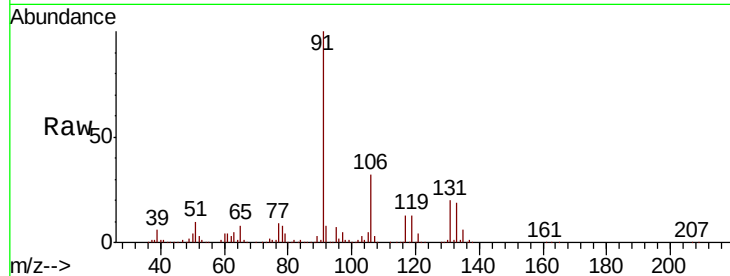
VSTDIC150

Tot Ion: 91 Resp: 1728708

Ion Ratio Lower Upper

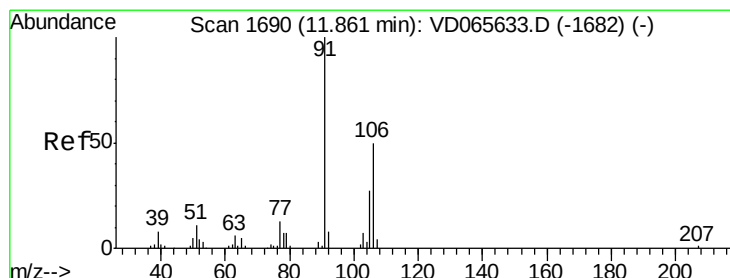
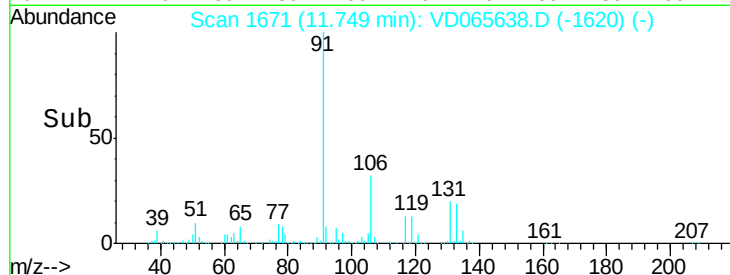
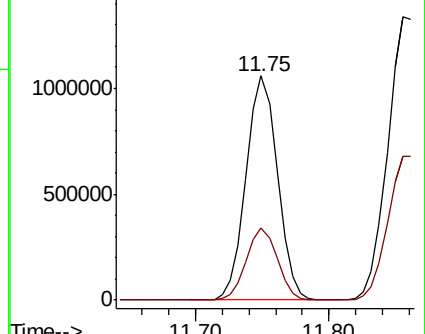
91 100

106 32.2 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 297.862 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065638.D

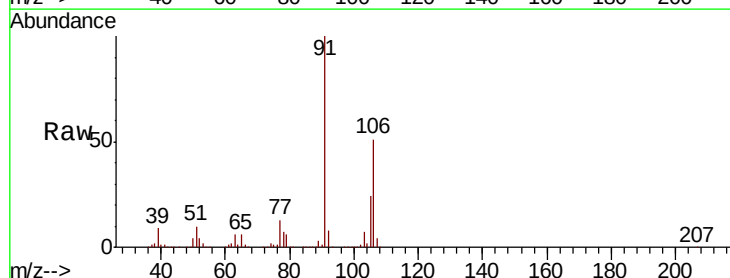
Acq: 15 Apr 2020 16:28

Tgt Ion: 106 Resp: 1331385

Ion Ratio Lower Upper

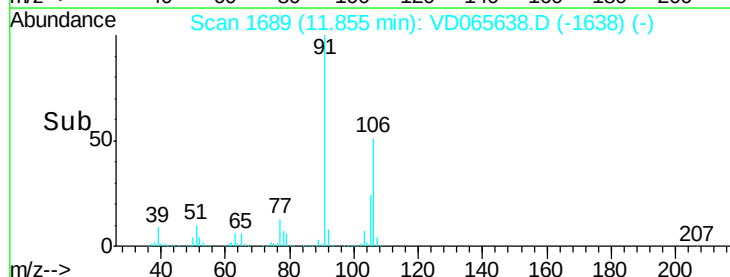
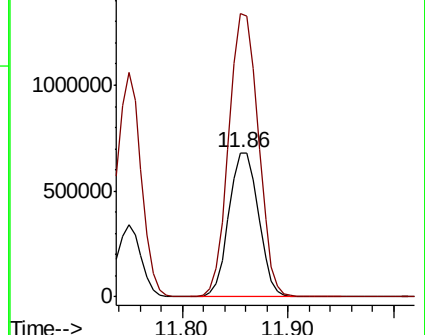
106 100

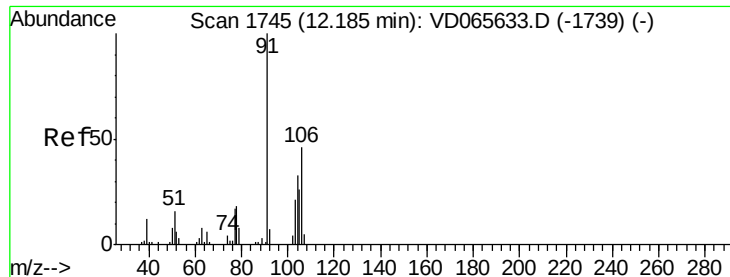
91 195.3 157.9 236.9



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

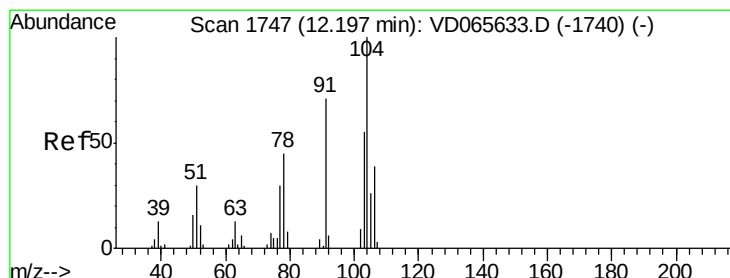
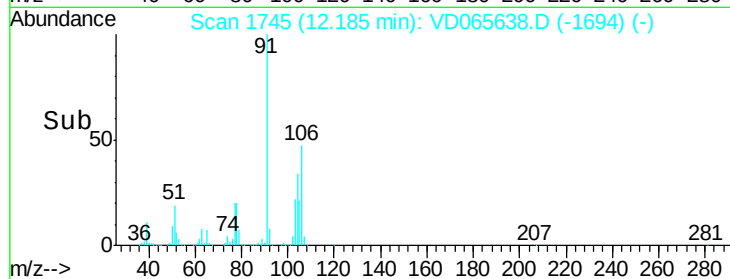
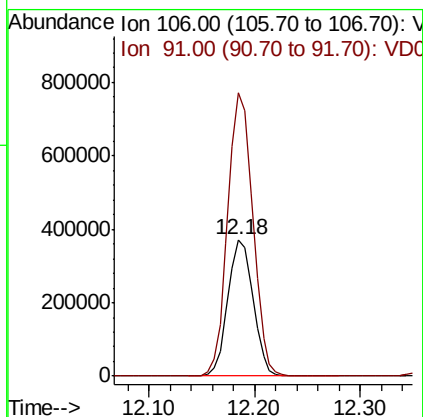
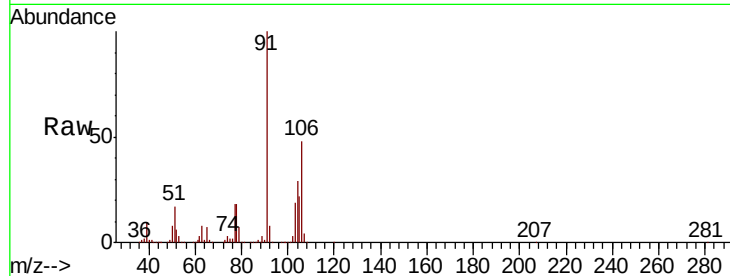




#69
o-Xylene
Concen: 158.620 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

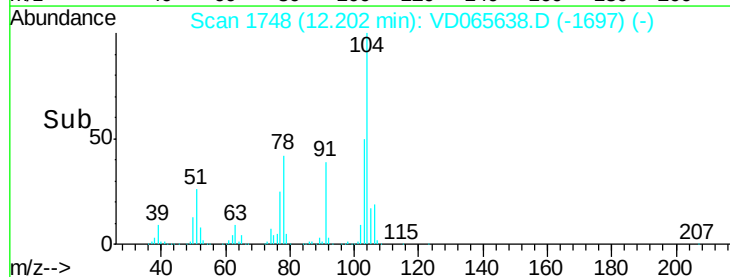
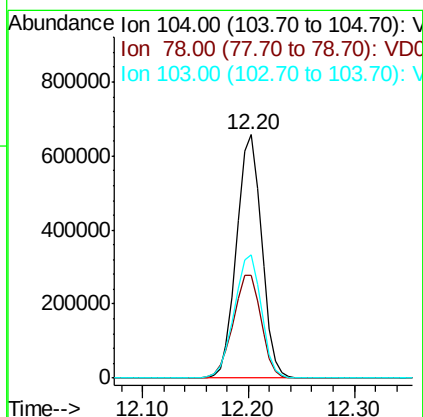
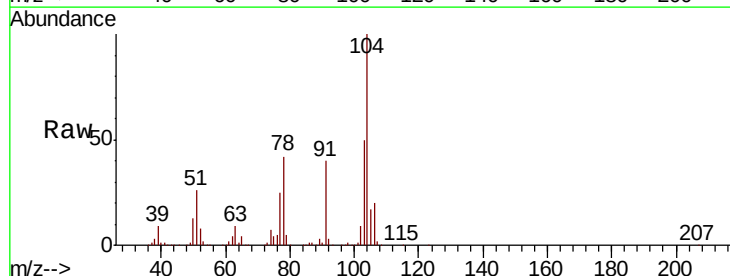
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

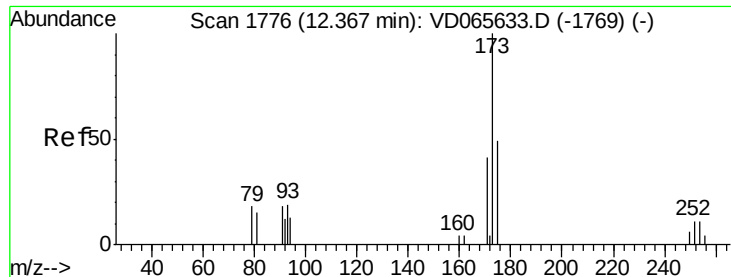
Tot Ion:106 Resp: 613228
Ion Ratio Lower Upper
106 100
91 207.4 103.6 310.9



#70
Styrene
Concen: 157.894 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Tgt Ion:104 Resp: 1080431
Ion Ratio Lower Upper
104 100
78 47.0 37.5 56.3
103 54.4 43.4 65.0





#71

Bromoform

Concen: 141.725 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

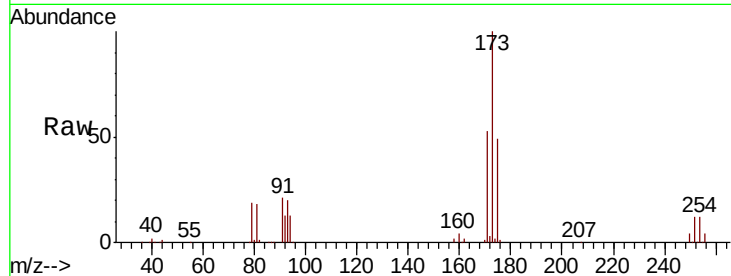
Tot Ion:173 Resp: 212629

Ion Ratio Lower Upper

173 100

175 48.7 25.1 75.2

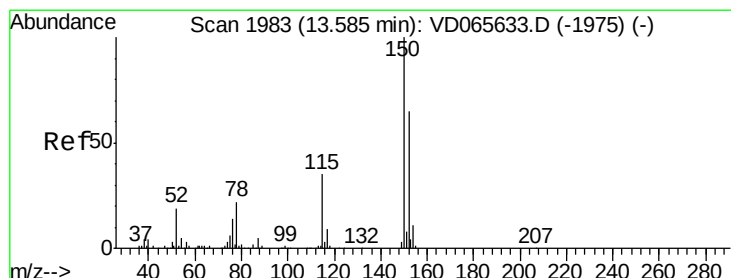
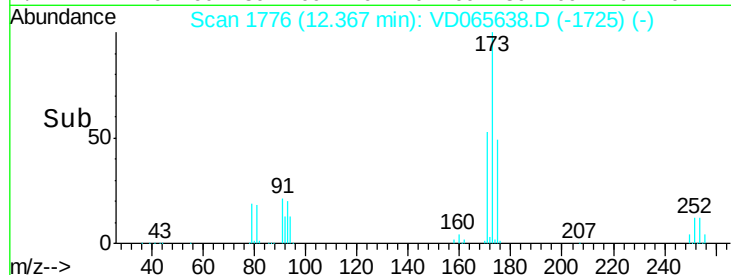
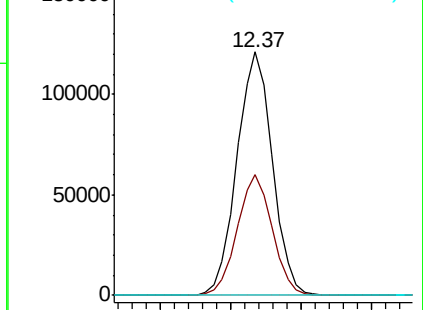
254 0.1 0.0 0.0#



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# 1983

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

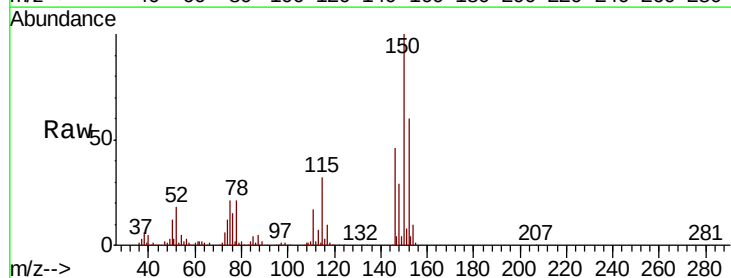
Tgt Ion:152 Resp: 166071

Ion Ratio Lower Upper

152 100

115 54.0 27.6 82.7

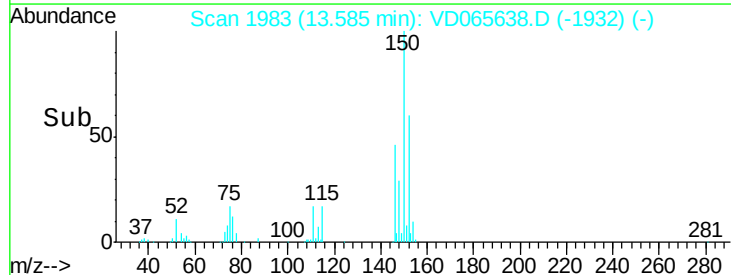
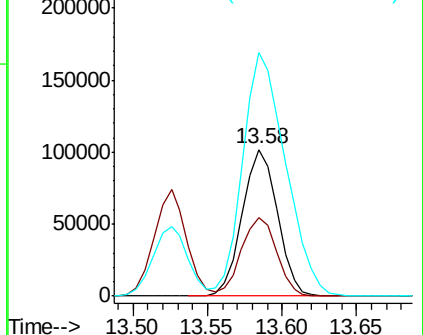
150 203.0 0.0 346.0

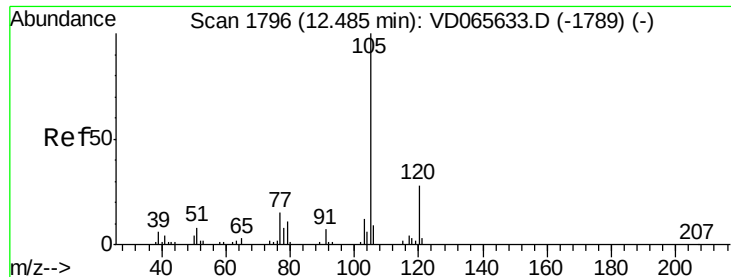


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 159.319 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

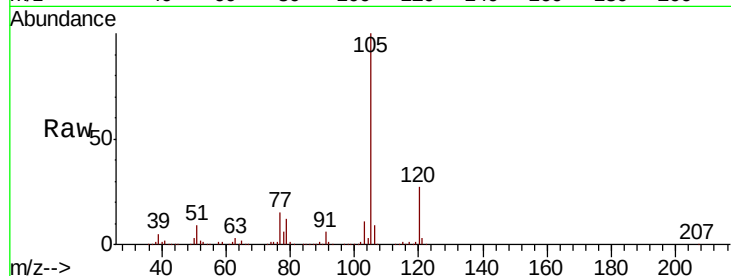
VSTDIC150

Tot Ion:105 Resp: 1646452

Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1200000

1000000

800000

600000

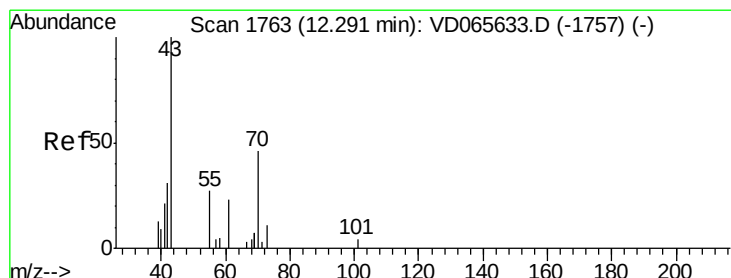
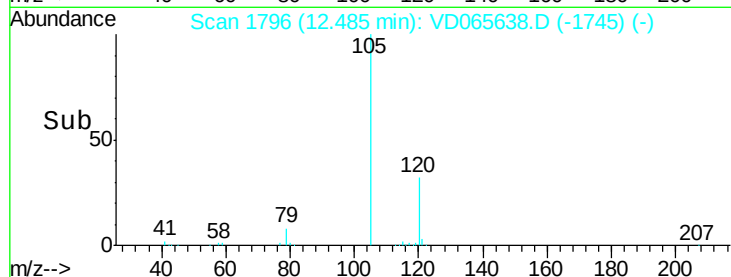
400000

200000

0

12.40 12.50 12.60

Time-->



#74

N-amyl acetate

Concen: 174.658 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Tgt Ion: 43 Resp: 370282

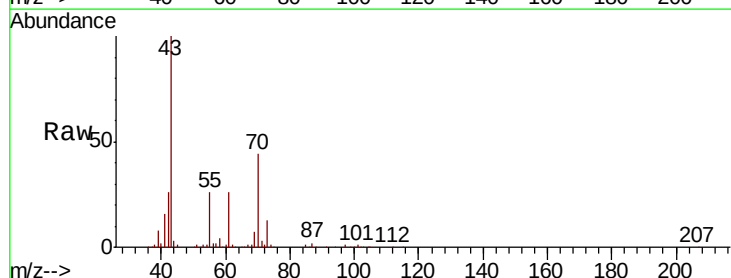
Ion Ratio Lower Upper

43 100

70 43.8 35.4 53.0

55 26.0 22.2 33.2

61 24.7 19.3 28.9



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

300000

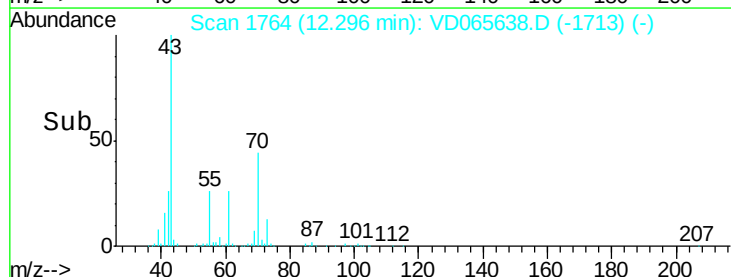
200000

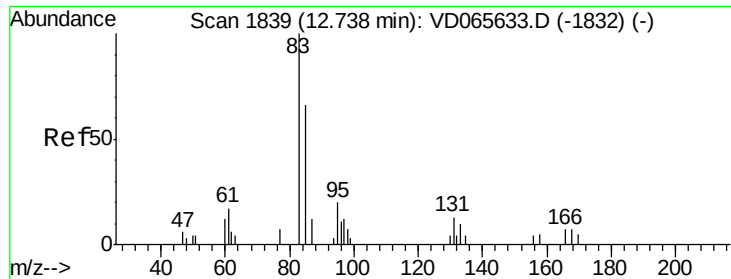
100000

0

12.20 12.30 12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 141.734 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

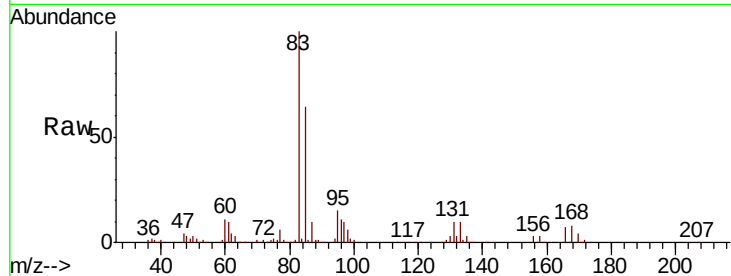
Tot Ion: 83 Resp: 275665

Ion Ratio Lower Upper

83 100

131 11.0 5.7 17.0

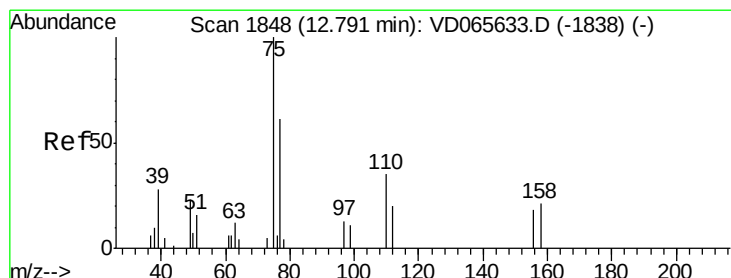
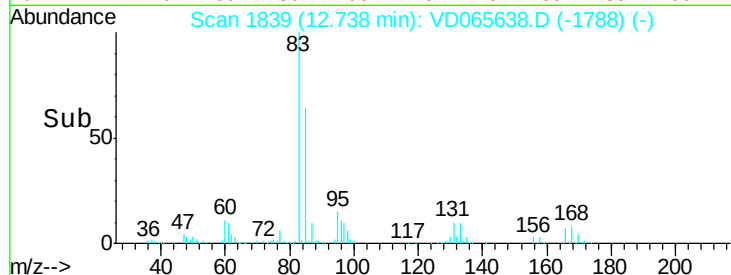
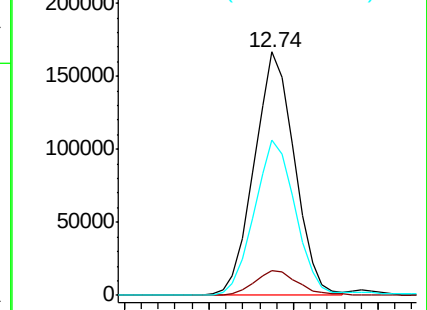
85 64.8 32.5 97.4



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: 271.420 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065638.D

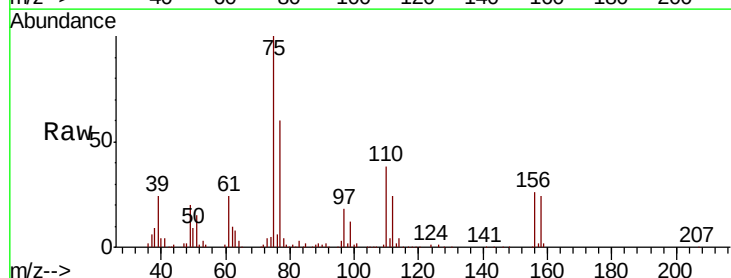
Acq: 15 Apr 2020 16:28

Tgt Ion: 75 Resp: 371027

Ion Ratio Lower Upper

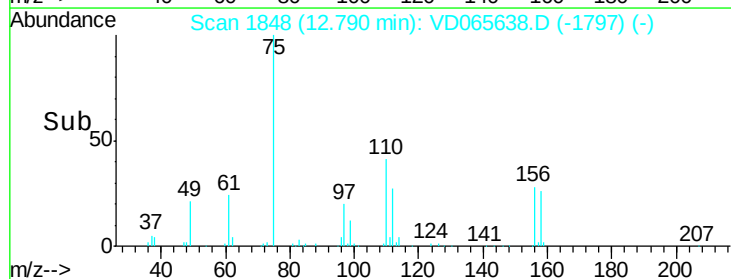
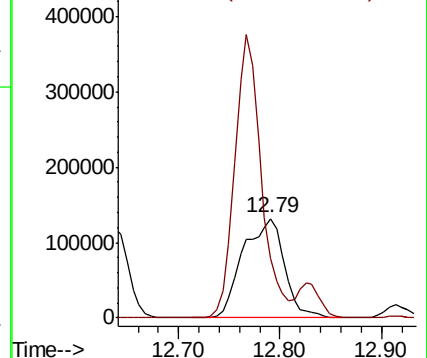
75 100

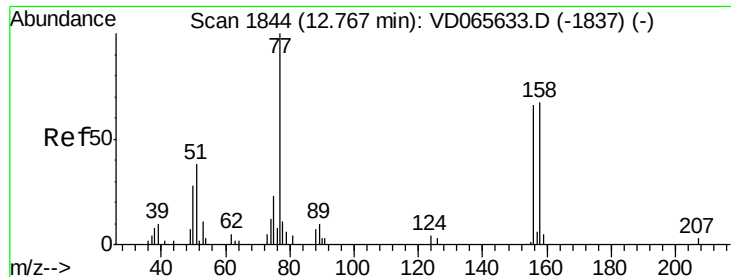
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 145.660 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

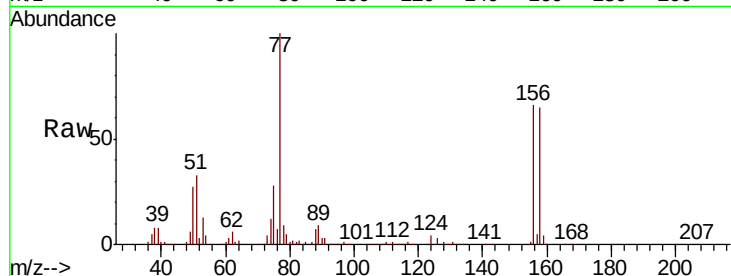
Tot Ion:156 Resp: 415533

Ion Ratio Lower Upper

156 100

77 164.2 84.7 254.1

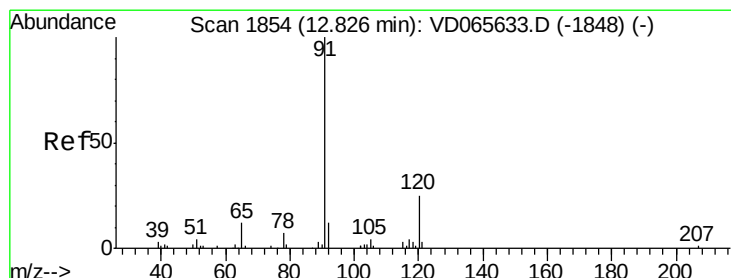
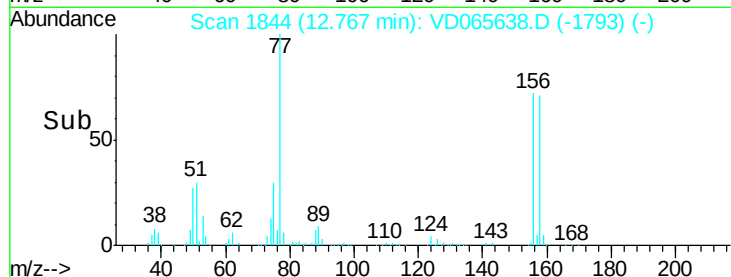
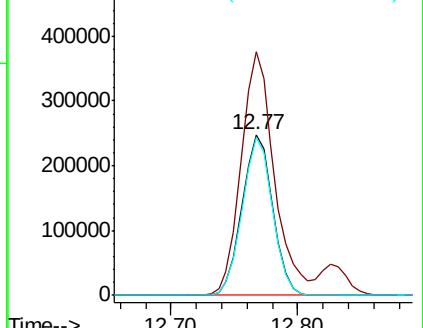
158 97.3 48.5 145.5



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: 154.200 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065638.D

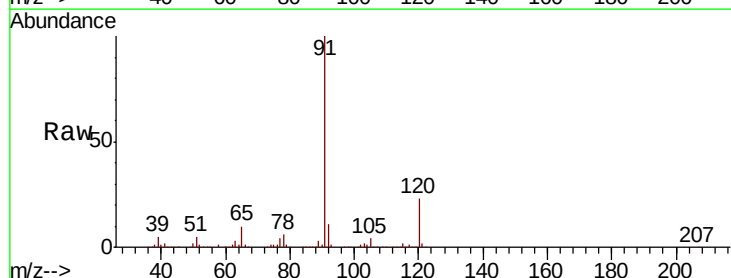
Acq: 15 Apr 2020 16:28

Tgt Ion: 91 Resp: 1926464

Ion Ratio Lower Upper

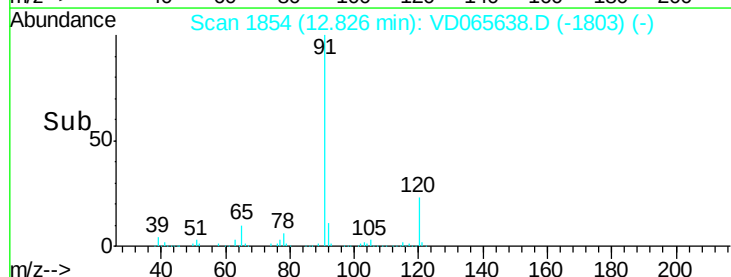
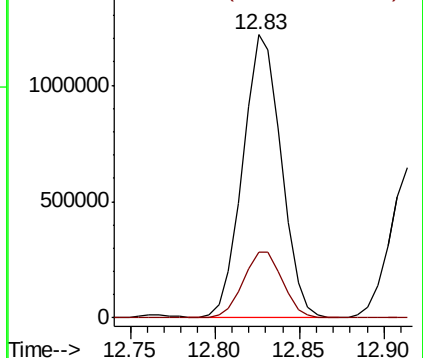
91 100

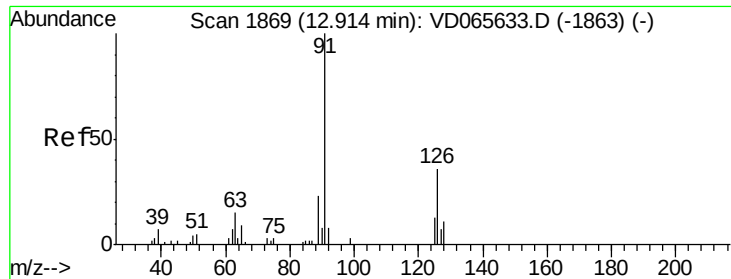
120 23.9 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

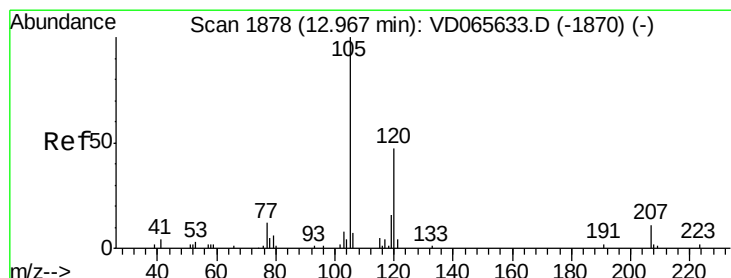
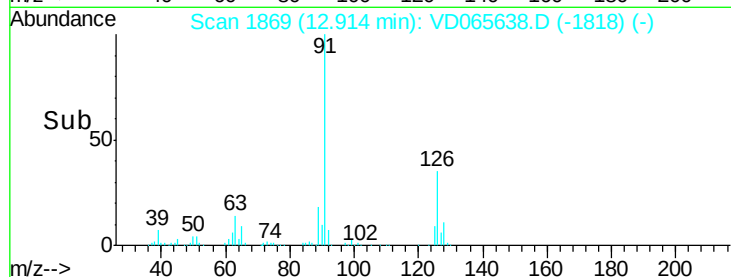
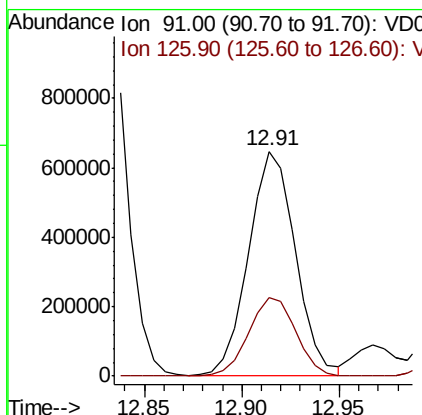
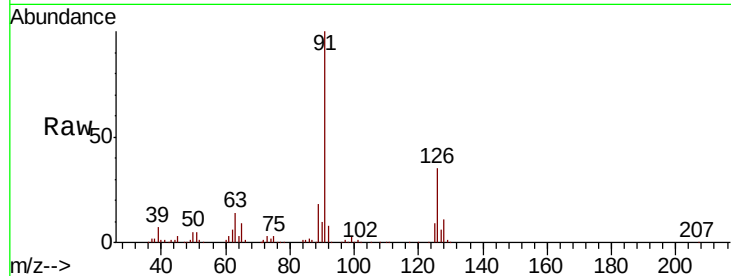




#79
 2-Chlorotoluene
 Concen: 150.085 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

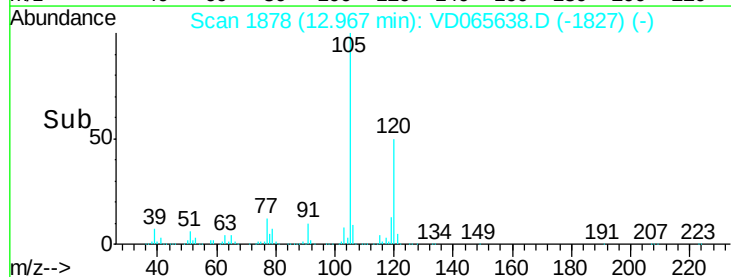
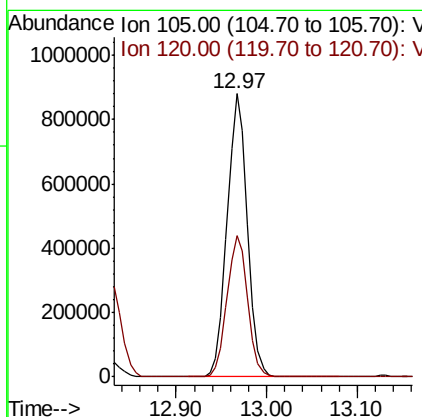
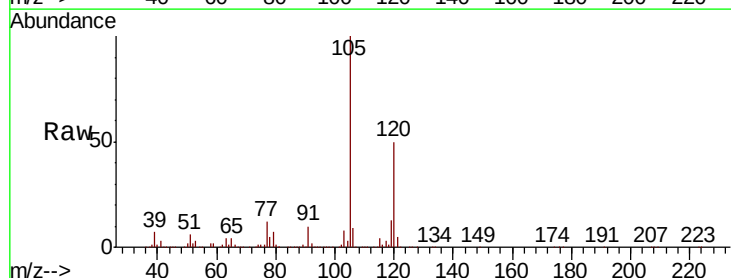
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

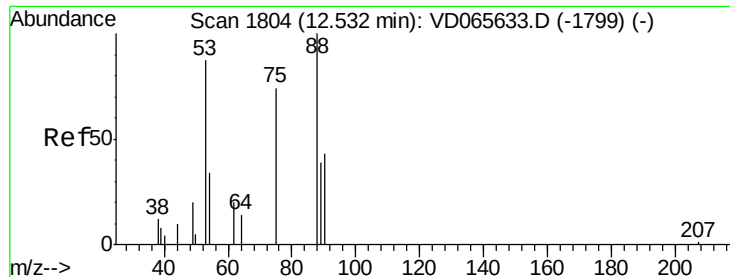
Tot Ion: 91 Resp: 1076530
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.8 53.3



#80
 1,3,5-Trimethylbenzene
 Concen: 155.168 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Tgt Ion:105 Resp: 1359034
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 171.158 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

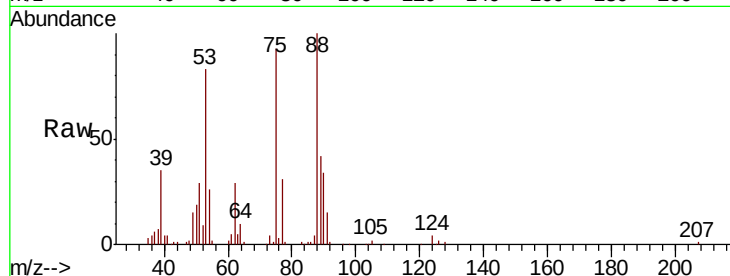
Tot Ion: 75 Resp: 99824

Ion Ratio Lower Upper

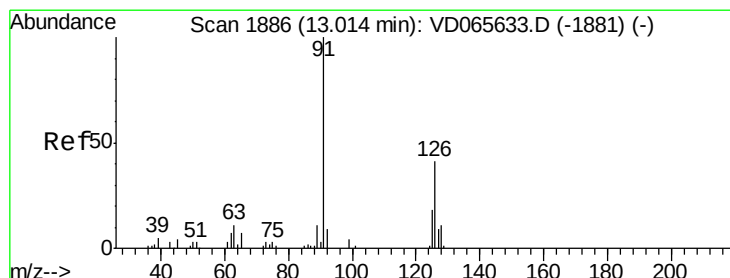
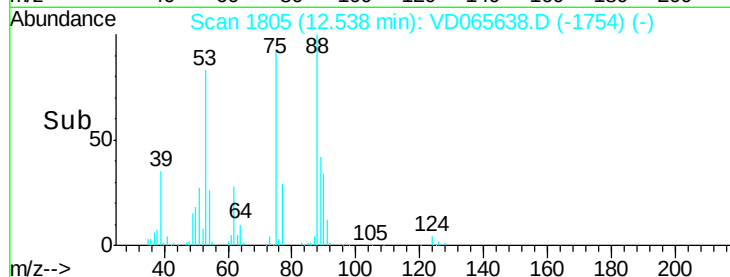
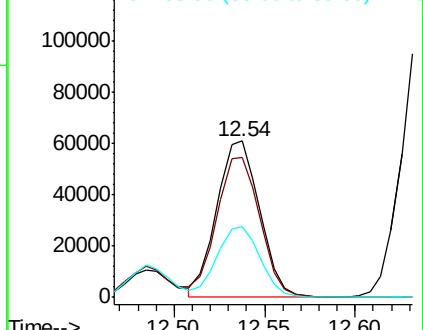
75 100

53 92.5 76.8 115.2

89 45.9 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 144.625 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065638.D

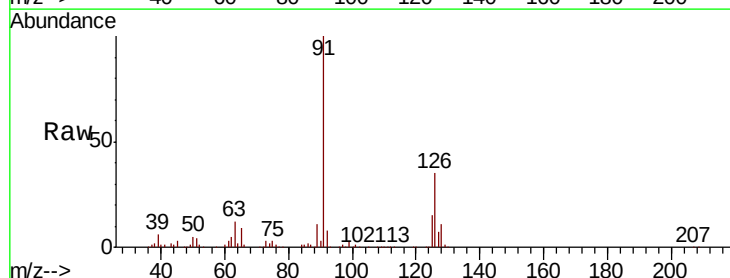
Acq: 15 Apr 2020 16:28

Tgt Ion: 91 Resp: 1120510

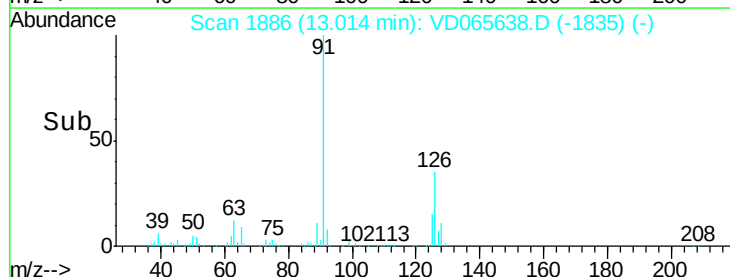
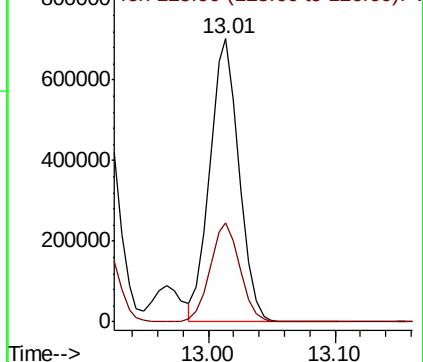
Ion Ratio Lower Upper

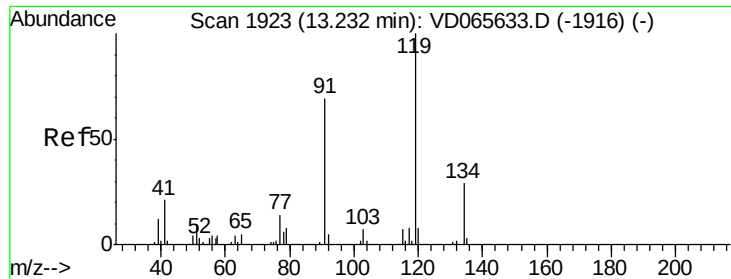
91 100

126 35.8 17.5 52.6



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

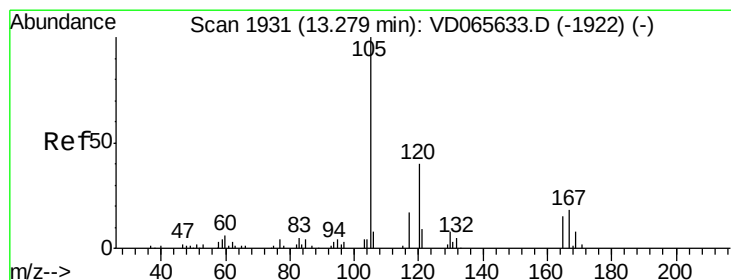
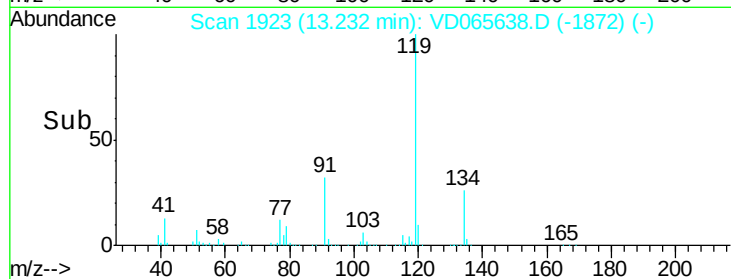
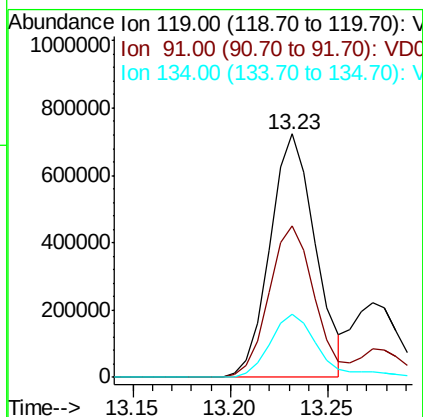
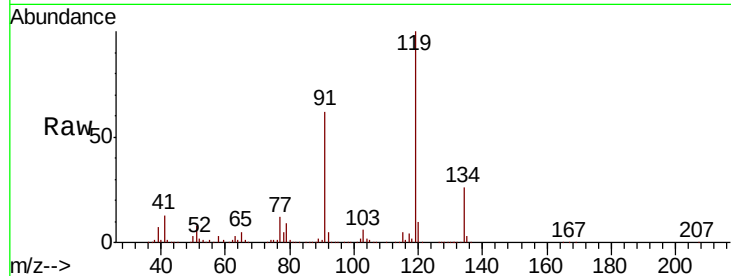




#83
 tert-Butylbenzene
 Concen: 160.068 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

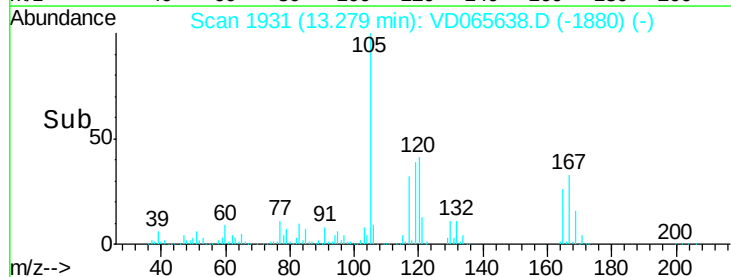
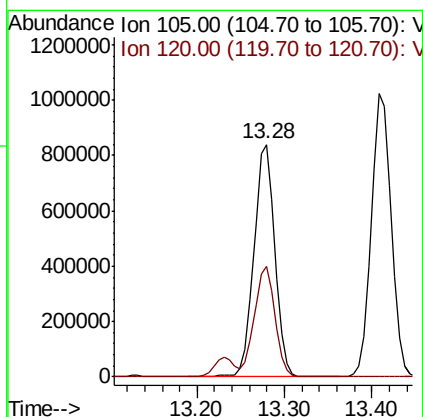
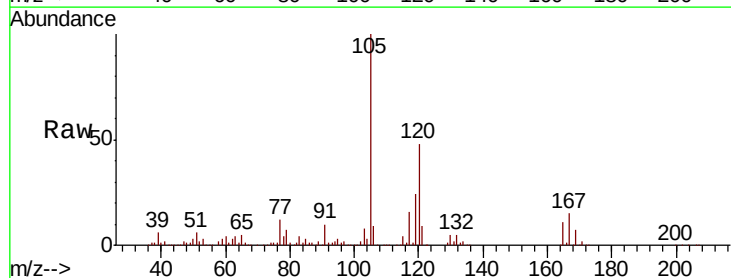
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

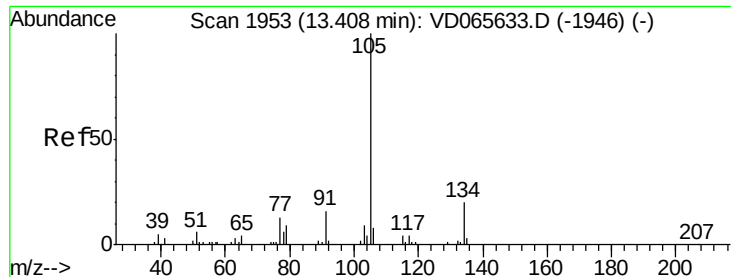
Tot Ion:119 Resp: 1160685
 Ion Ratio Lower Upper
 119 100
 91 62.9 31.7 95.1
 134 27.9 14.0 41.9



#84
 1,2,4-Trimethylbenzene
 Concen: 156.783 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Tgt Ion:105 Resp: 1361073
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.5 70.6





#85

sec-Butylbenzene

Concen: 155.908 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

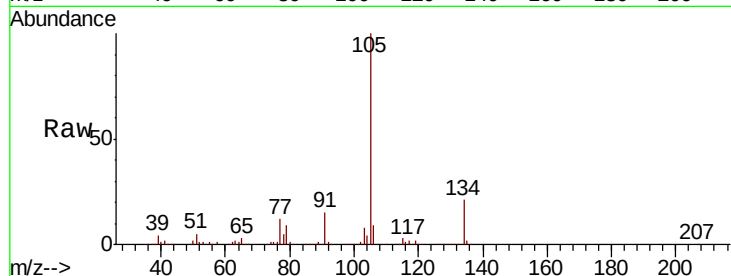
VSTDIC150

Tot Ion:105 Resp: 1622656

Ion Ratio Lower Upper

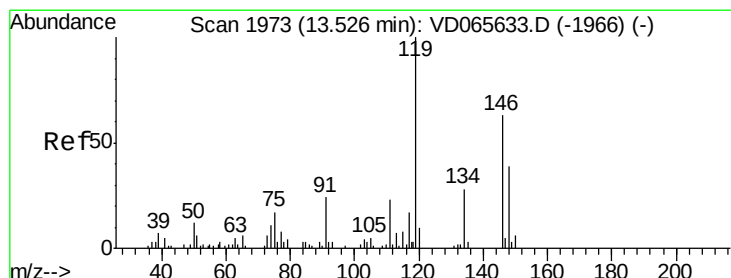
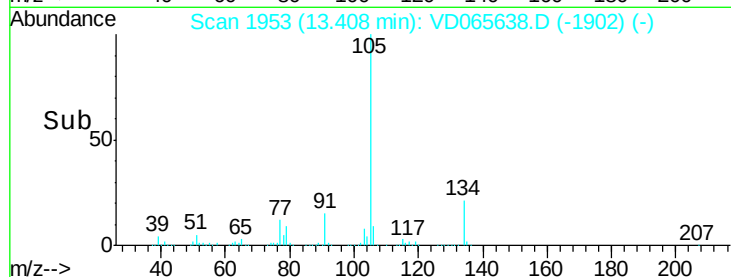
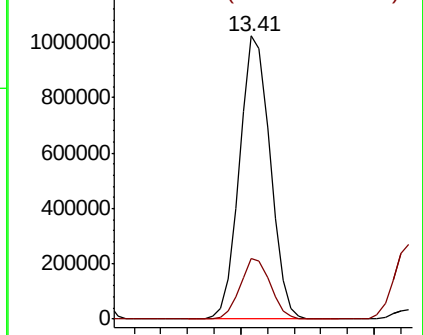
105 100

134 21.0 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 158.812 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

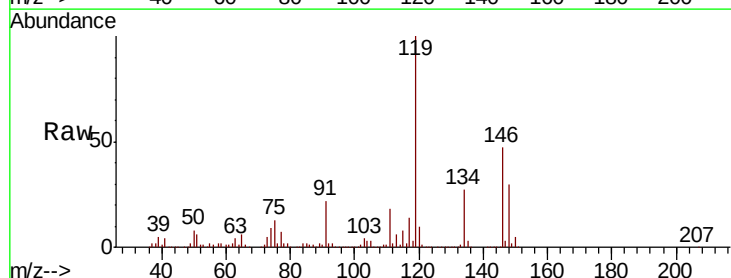
Tgt Ion:119 Resp: 1524156

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

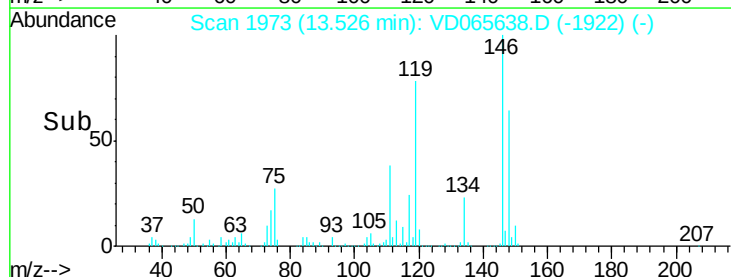
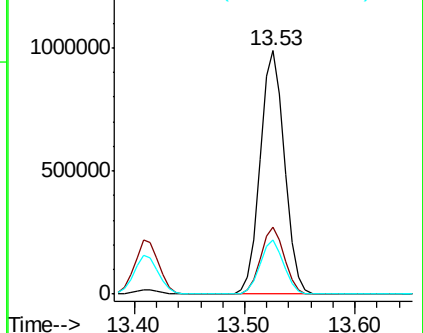
91 21.7 11.1 33.3

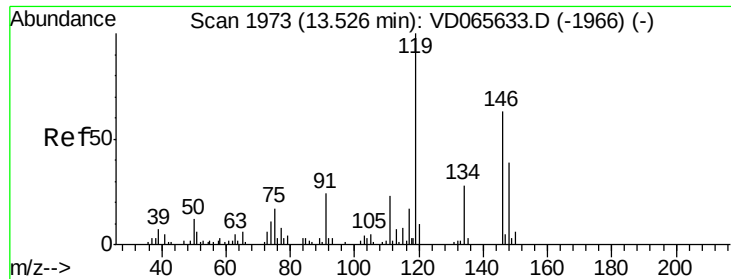


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 138.446 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

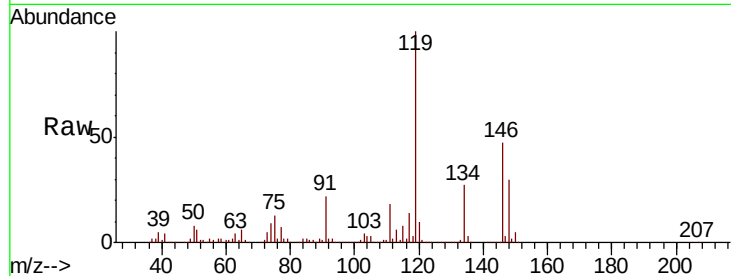
Tot Ion:146 Resp: 764936

Ion Ratio Lower Upper

146 100

111 37.7 18.6 55.6

148 64.2 31.6 94.8

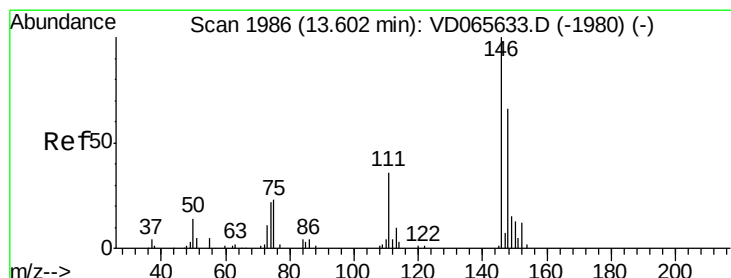
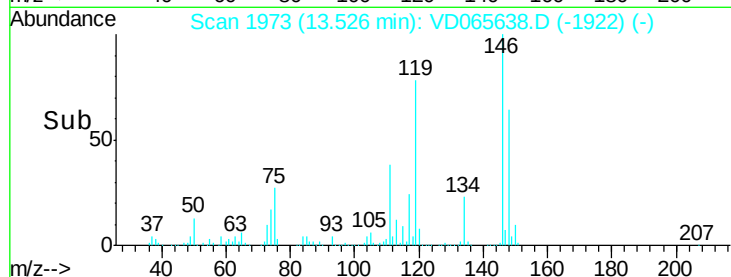
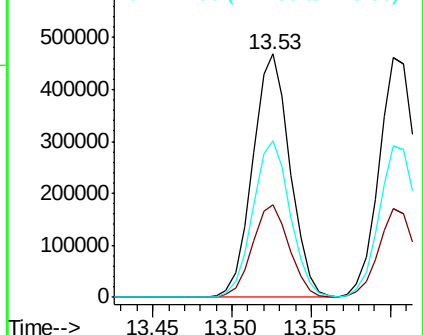


Abundance

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: 136.426 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

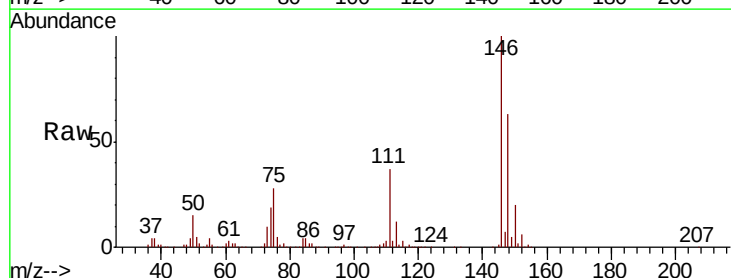
Tgt Ion:146 Resp: 753255

Ion Ratio Lower Upper

146 100

111 36.2 18.0 54.0

148 63.9 31.4 94.2

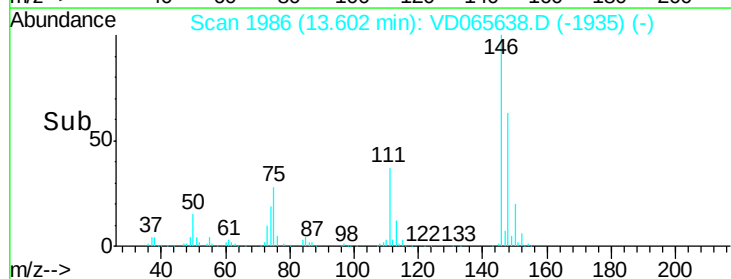
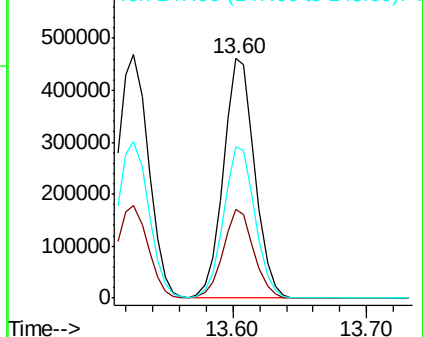


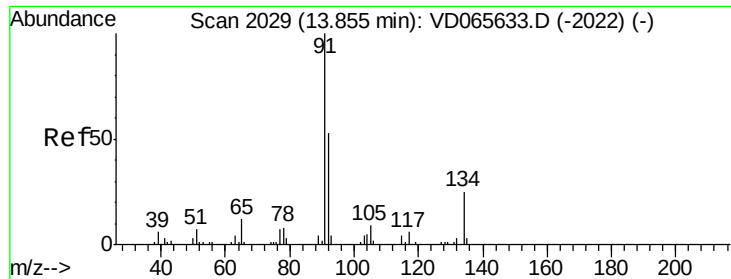
Abundance

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

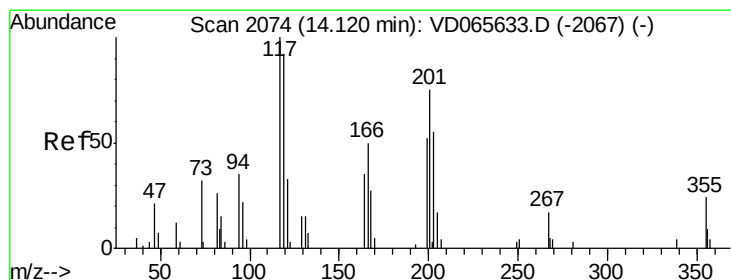
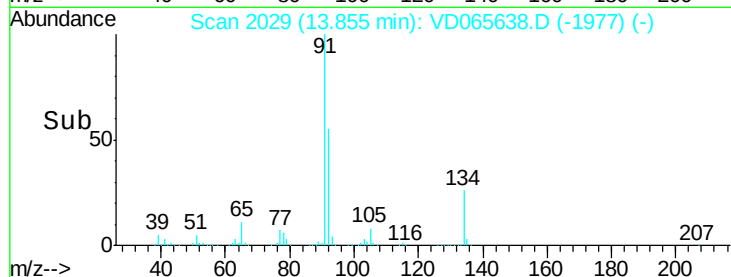
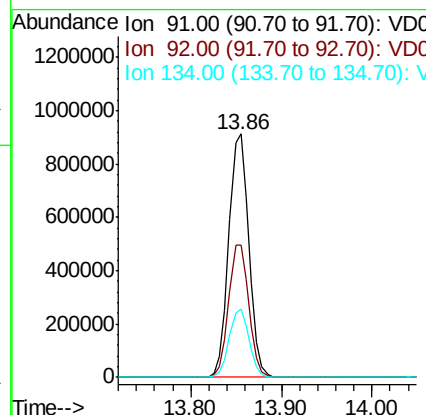
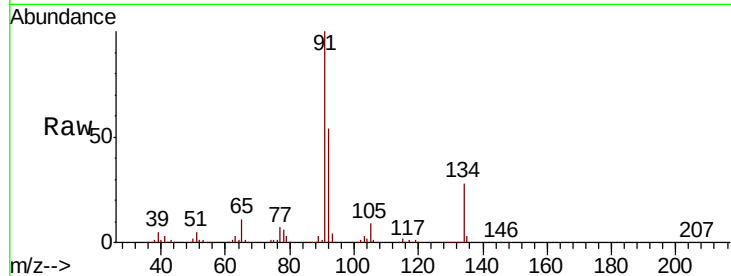




#89
n-Butylbenzene
Concen: 160.019 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

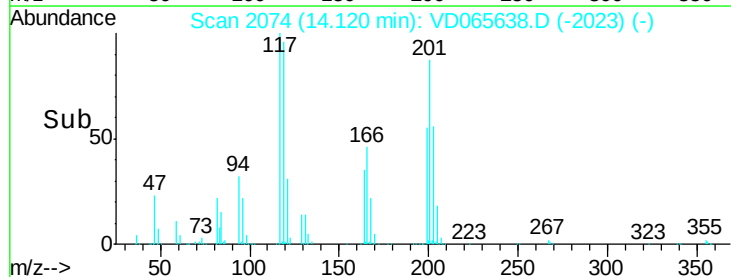
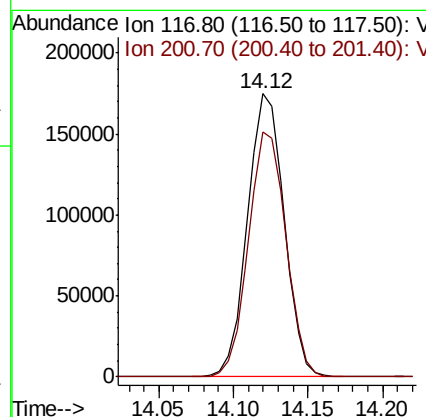
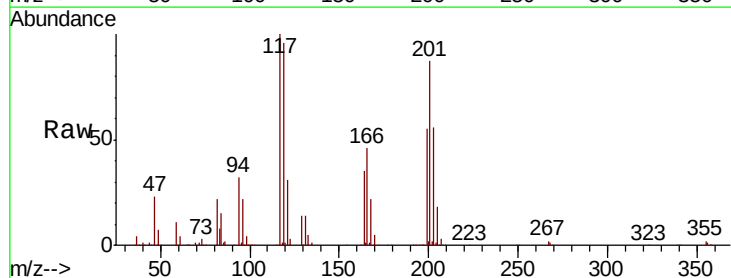
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

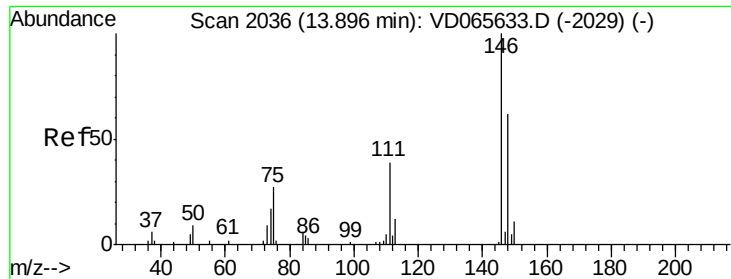
Tot Ion: 91 Resp: 1391652
Ion Ratio Lower Upper
91 100
92 54.8 26.9 80.6
134 27.9 13.6 40.8



#90
Hexachloroethane
Concen: 141.327 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Tgt Ion: 117 Resp: 296920
Ion Ratio Lower Upper
117 100
201 88.4 44.9 134.7

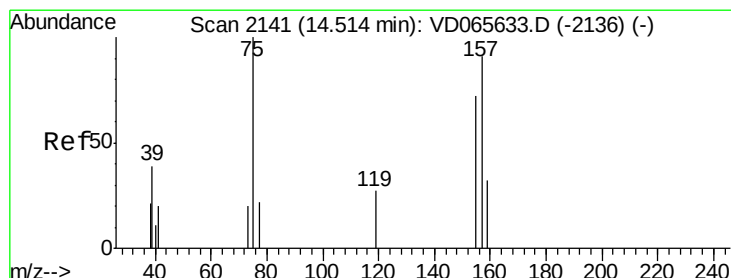
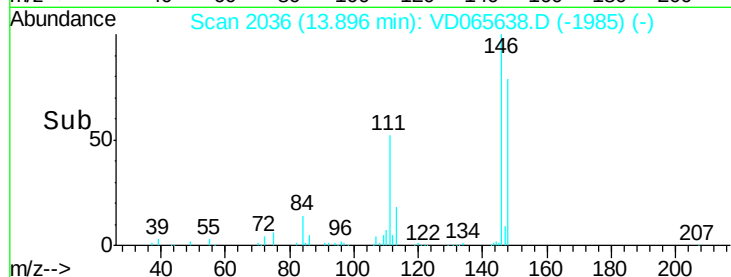
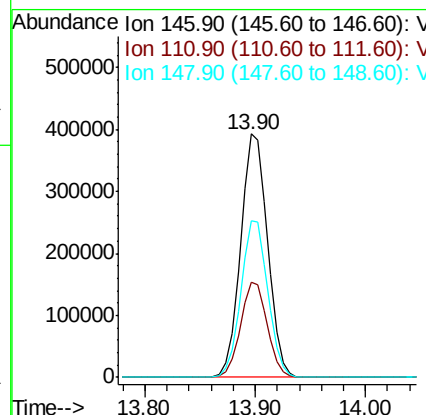
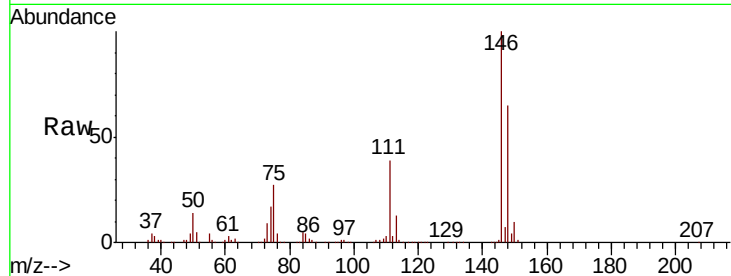




#91
 1,2-Dichlorobenzene
 Concen: 142.662 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

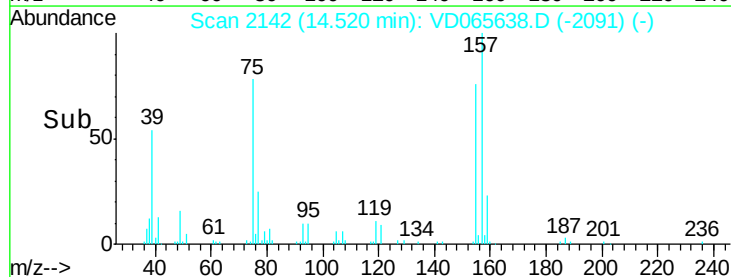
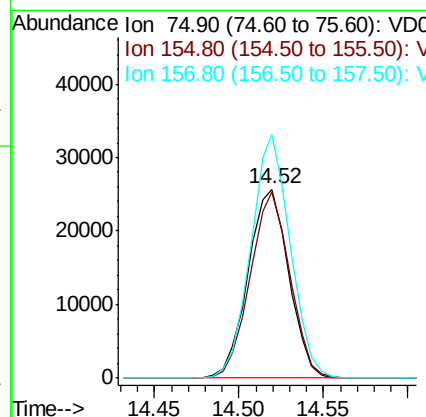
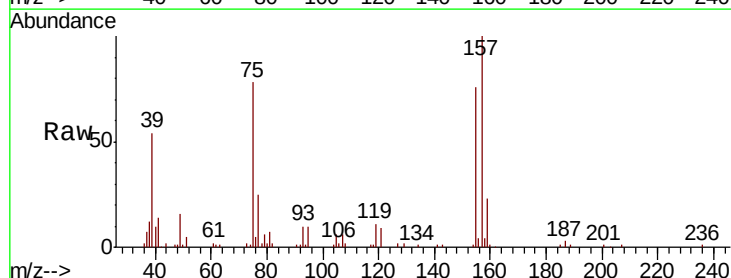
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

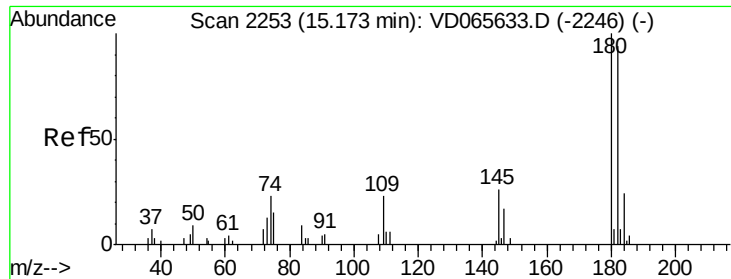
Tot Ion:146 Resp: 672729
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.3 57.9
 148 64.4 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 142.977 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Tgt Ion: 75 Resp: 43241
 Ion Ratio Lower Upper
 75 100
 155 95.6 48.0 144.2
 157 123.8 59.2 177.6

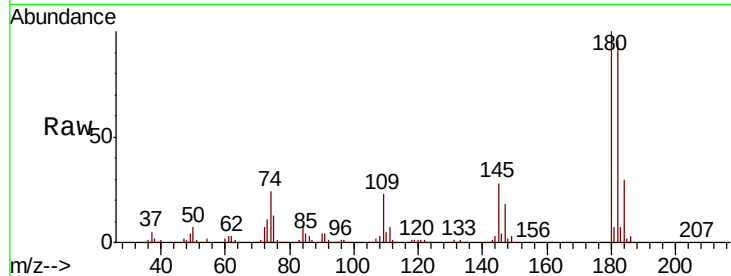




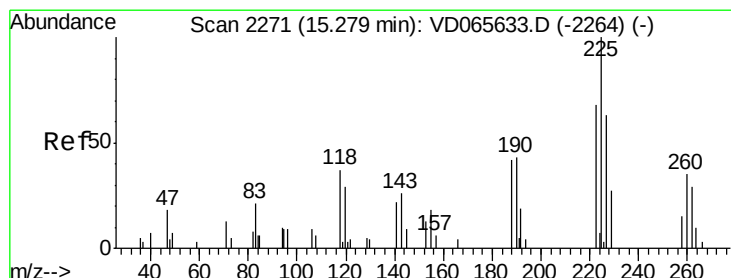
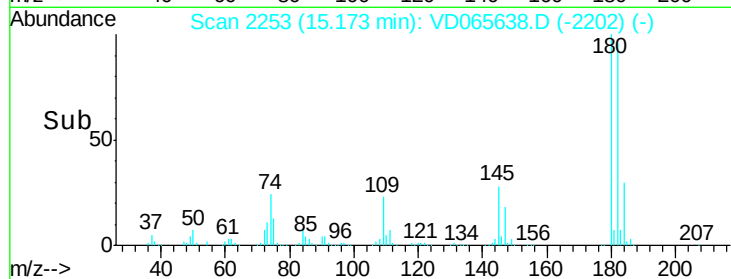
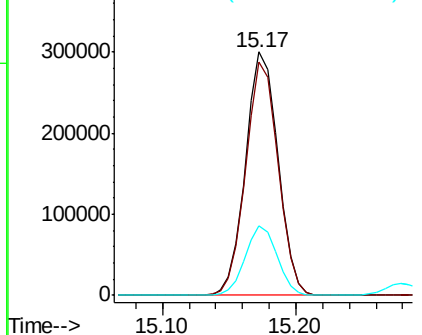
#93
 1,2,4-Trichlorobenzene
 Concen: 161.606 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.9	146.6
145	28.1	13.8	41.3

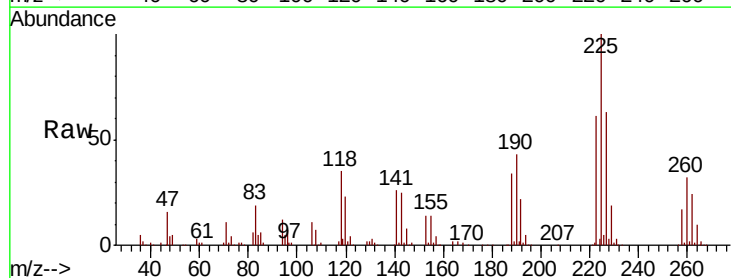


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

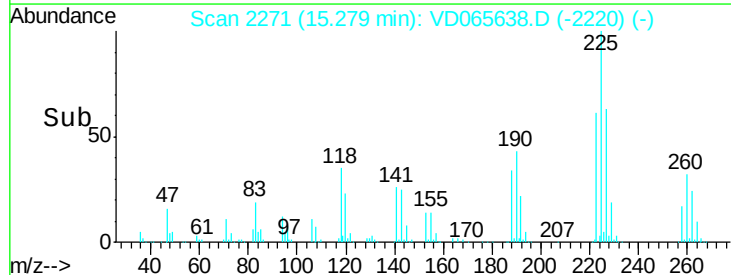
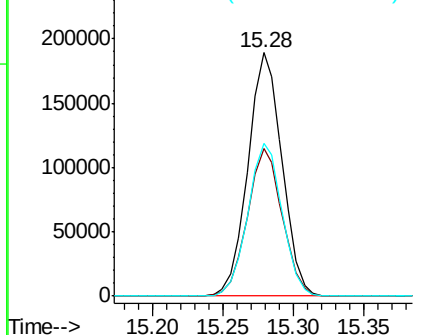


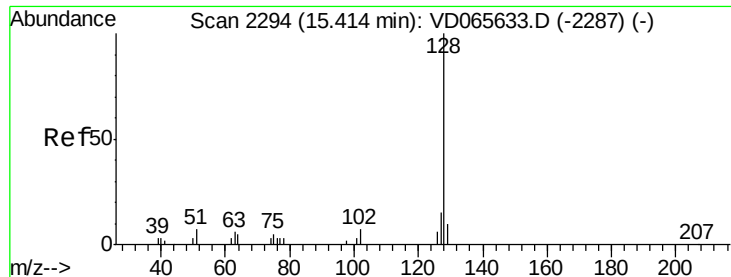
#94
 Hexachlorobutadiene
 Concen: 148.480 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.9	95.5
227	63.2	32.0	96.2



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

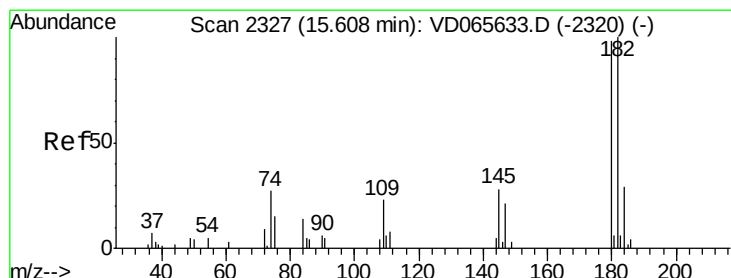
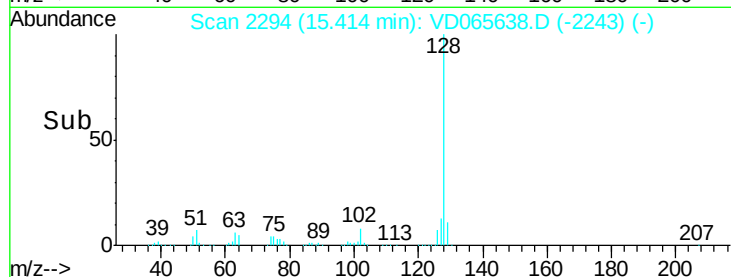
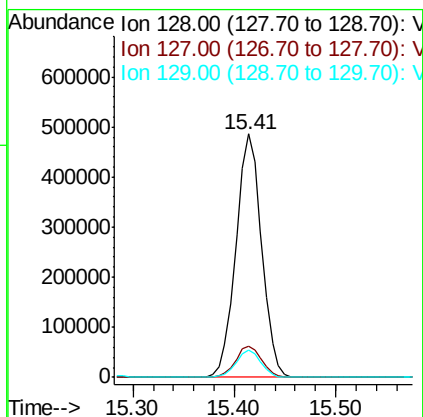
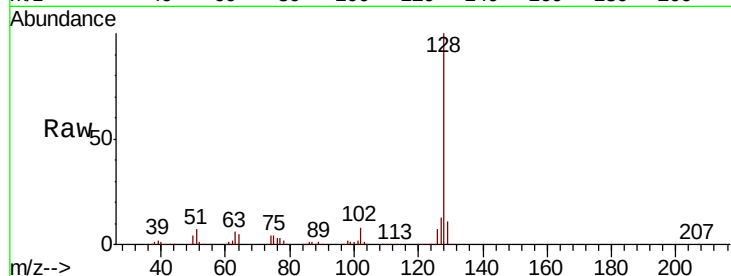




#95
Naphthalene
Concen: 185.608 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:128 Resp: 850373
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 161.973 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Tgt Ion:180 Resp: 442120
Ion Ratio Lower Upper
180 100
182 95.1 47.8 143.3
145 29.7 15.0 45.0

