

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042420\
 Data File : VD065676.D
 Acq On : 24 Apr 2020 14:27
 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 24 14:43:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042420S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 24 14:27:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	219899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	286422	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	280472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	146489	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	284518	128.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	257.16%	
35) Dibromofluoromethane	7.92	113	270183	137.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	275.72%	
50) Toluene-d8	10.34	98	1041138	150.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	300.52%	
62) 4-Bromofluorobenzene	12.64	95	345882	153.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	306.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	279168	140.015	ug/l	98
3) Chloromethane	2.21	50	334357	137.164	ug/l	100
4) Vinyl Chloride	2.35	62	362298	134.211	ug/l	97
5) Bromomethane	2.74	94	202046	124.860	ug/l	99
6) Chloroethane	2.91	64	212175	130.469	ug/l	98
7) Trichlorofluoromethane	3.27	101	476035	127.095	ug/l	95
8) Diethyl Ether	3.71	74	146025	133.340	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	276439	123.934	ug/l	99
10) Methyl Iodide	4.29	142	294934	183.523	ug/l	99
11) Tert butyl alcohol	5.27	59	77051	771.230	ug/l	98
12) 1,1-Dichloroethene	4.05	96	271954	123.213	ug/l	95
13) Acrolein	3.92	56	108596	680.503	ug/l	98
14) Allyl chloride	4.70	41	453259	151.511	ug/l	96
15) Acrylonitrile	5.43	53	327927	794.444	ug/l	99
16) Acetone	4.16	43	281731	552.379	ug/l	98
17) Carbon Disulfide	4.39	76	796152	134.931	ug/l	100
18) Methyl Acetate	4.72	43	155985	138.066	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	661760	175.759	ug/l	99
20) Methylene Chloride	4.96	84	268440	120.923	ug/l	93
21) trans-1,2-Dichloroethene	5.46	96	324795	154.469	ug/l	97
22) Diisopropyl ether	6.37	45	986326	159.451	ug/l	99
23) Vinyl Acetate	6.31	43	2922545	867.682	ug/l	98
24) 1,1-Dichloroethane	6.26	63	555282	139.553	ug/l	99
25) 2-Butanone	7.23	43	446300	782.769	ug/l	100
26) 2,2-Dichloropropane	7.21	77	506237	137.288	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	349808	153.661	ug/l	98
28) Bromochloromethane	7.55	49	209602	130.117	ug/l	100
29) Tetrahydrofuran	7.57	42	282111	819.096	ug/l	98
30) Chloroform	7.71	83	562500	133.439	ug/l	99
31) Cyclohexane	7.98	56	532524	140.865	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	520503	135.293	ug/l	99
36) 1,1-Dichloropropene	8.11	75	464621	151.874	ug/l	99
37) Ethyl Acetate	7.30	43	200948	165.338	ug/l	99
38) Carbon Tetrachloride	8.10	117	486847	140.575	ug/l	98

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

39) Methylcyclohexane	9.36	83	571511	174.476	ug/l	98
40) Benzene	8.35	78	1298235	154.203	ug/l	100
41) Methacrylonitrile	7.53	41	110429	167.684	ug/l #	97
42) 1,2-Dichloroethane	8.43	62	379934	145.386	ug/l	98
43) Isopropyl Acetate	8.46	43	378908	170.070	ug/l	99
44) Trichloroethene	9.11	130	343936	146.298	ug/l	99
45) 1,2-Dichloropropane	9.39	63	318692	149.520	ug/l	97
46) Dibromomethane	9.48	93	165402	149.536	ug/l	98
47) Bromodichloromethane	9.67	83	439744	145.779	ug/l	100
48) Methyl methacrylate	9.46	41	185057	170.988	ug/l	97
49) 1,4-Dioxane	9.47	88	40554	3392.510	ug/l	98
51) 4-Methyl-2-Pentanone	10.24	43	974851	847.546	ug/l	98
52) Toluene	10.41	92	848731	164.107	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	434654	165.666	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	507281	160.812	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	221861	143.847	ug/l	96
56) Ethyl methacrylate	10.67	69	303496	195.956	ug/l	94
57) 1,3-Dichloropropane	10.95	76	388191	149.998	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	691825	878.482	ug/l	100
59) 2-Hexanone	10.99	43	681748	867.643	ug/l	97
60) Dibromochloromethane	11.14	129	305637	148.243	ug/l	98
61) 1,2-Dibromoethane	11.25	107	219206	153.148	ug/l	97
64) Tetrachloroethene	10.88	164	294878	135.875	ug/l	97
65) Chlorobenzene	11.68	112	875106	145.544	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	338384	145.100	ug/l	97
67) Ethyl Benzene	11.75	91	1627903	161.961	ug/l	100
68) m/p-Xylenes	11.86	106	1254033	320.499	ug/l	95
69) o-Xylene	12.18	106	564705	169.744	ug/l	94
70) Styrene	12.20	104	1007089	167.388	ug/l	99
71) Bromoform	12.37	173	182857	140.264	ug/l #	100
73) Isopropylbenzene	12.48	105	1506779	167.935	ug/l	99
74) N-amyl acetate	12.30	43	358294	176.402	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	236645	137.832	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	176629m	149.882	ug/l	
77) Bromobenzene	12.77	156	360692	150.242	ug/l	98
78) n-propylbenzene	12.83	91	1786930	160.383	ug/l	99
79) 2-Chlorotoluene	12.91	91	999289	156.643	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1273250	166.363	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	86805	160.157	ug/l	97
82) 4-Chlorotoluene	13.01	91	1060699	153.646	ug/l	98
83) tert-Butylbenzene	13.23	119	1079455	173.661	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	1293878	170.040	ug/l	100
85) sec-Butylbenzene	13.41	105	1512902	166.940	ug/l	99
86) p-Isopropyltoluene	13.53	119	1435891	168.585	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	705596	148.794	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	688288	144.859	ug/l	99
89) n-Butylbenzene	13.86	91	1311127	166.926	ug/l	97
90) Hexachloroethane	14.13	117	266512	139.671	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	601707	147.381	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	40944	150.368	ug/l	97

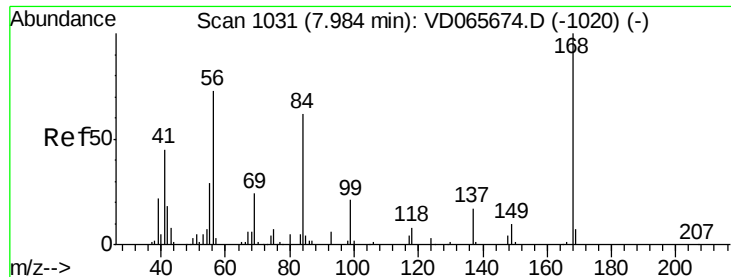
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042420\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	439676	167.687	ug/l	99
94) Hexachlorobutadiene	15.28	225	285466	144.896	ug/l	99
95) Naphthalene	15.41	128	726296	191.628	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	380833	162.669	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. -0.01 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

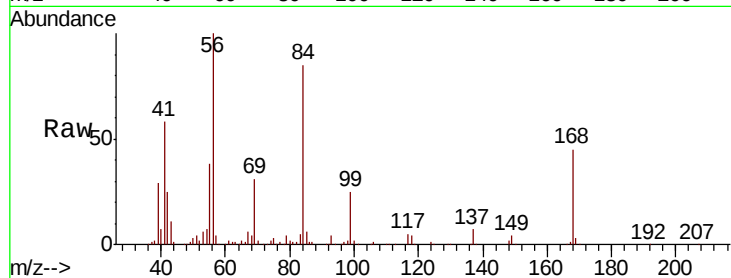
VSTDIC150

Tot Ion:168 Resp: 219899

Ion Ratio Lower Upper

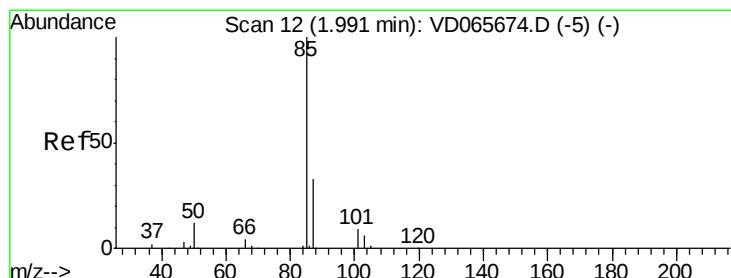
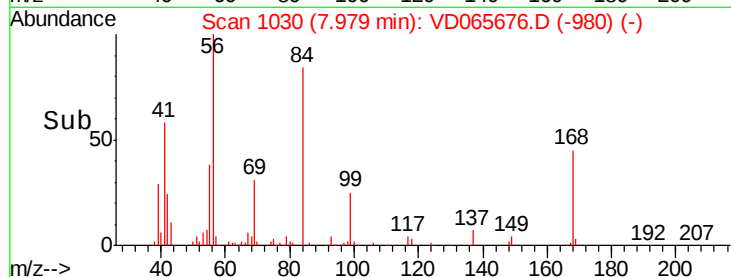
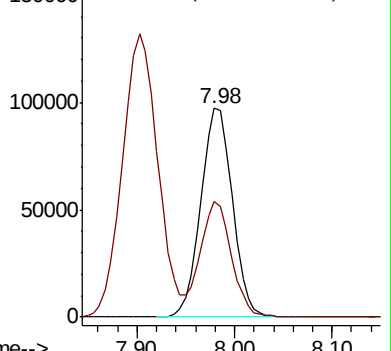
168 100

99 54.7 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 140.015 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD065676.D

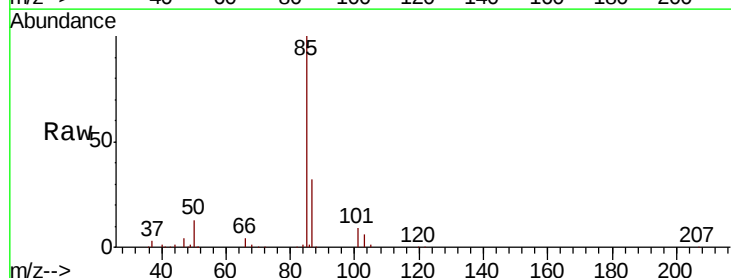
Acq: 24 Apr 2020 14:27

Tgt Ion: 85 Resp: 279168

Ion Ratio Lower Upper

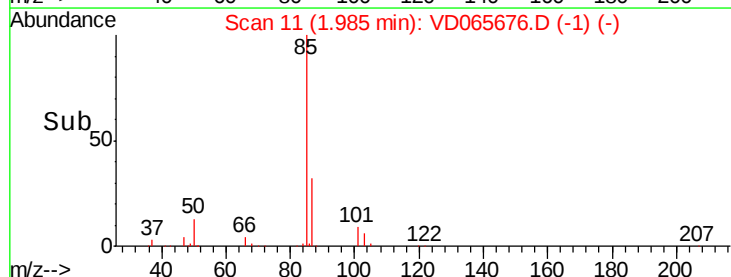
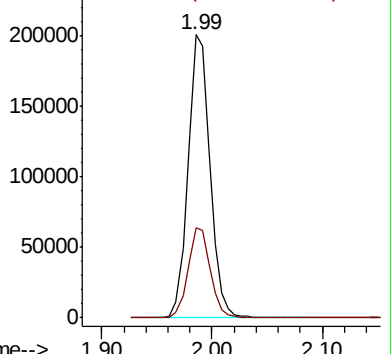
85 100

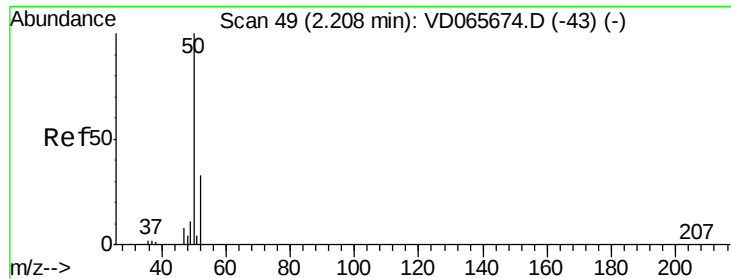
87 31.9 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

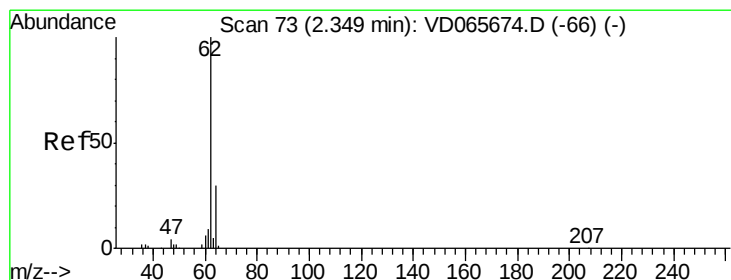
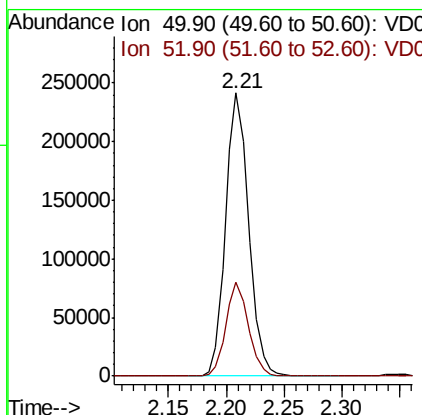
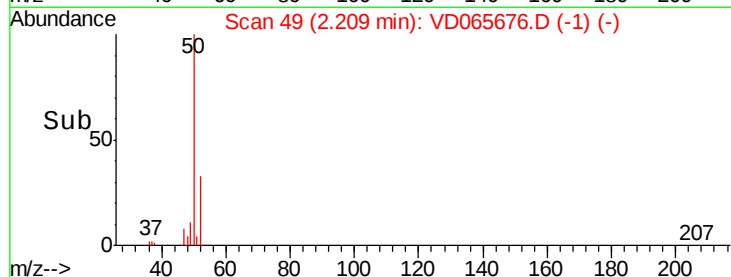
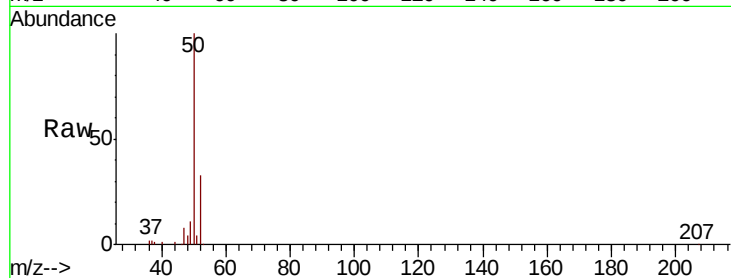




#3
Chloromethane
Concen: 137.164 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

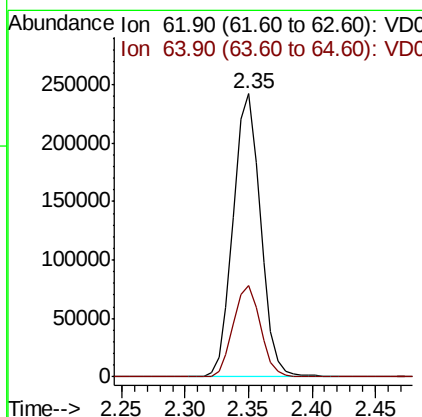
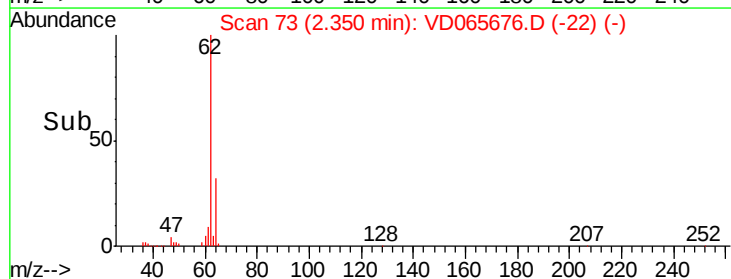
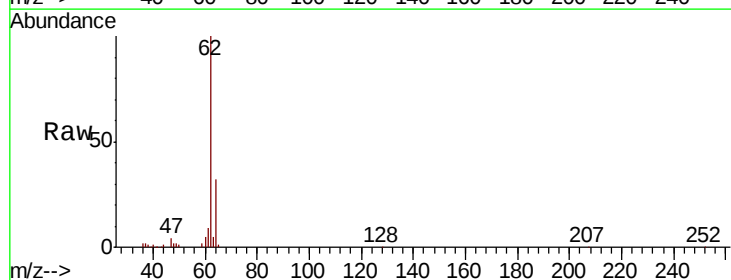
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

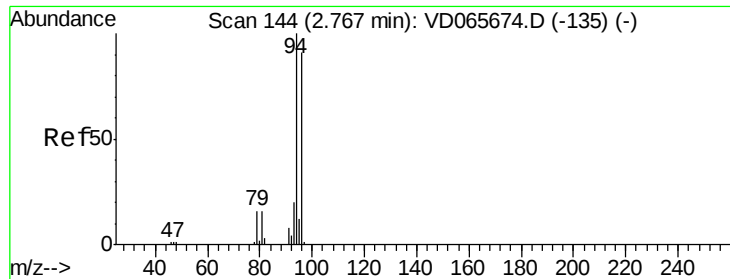
Tot Ion: 50 Resp: 334357
Ion Ratio Lower Upper
50 100
52 33.1 26.5 39.7



#4
Vinyl Chloride
Concen: 134.211 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

Tgt Ion: 62 Resp: 362298
Ion Ratio Lower Upper
62 100
64 32.1 24.3 36.5





#5

Bromomethane

Concen: 124.860 ug/l

RT: 2.74 min Scan# 140

Delta R.T. -0.02 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

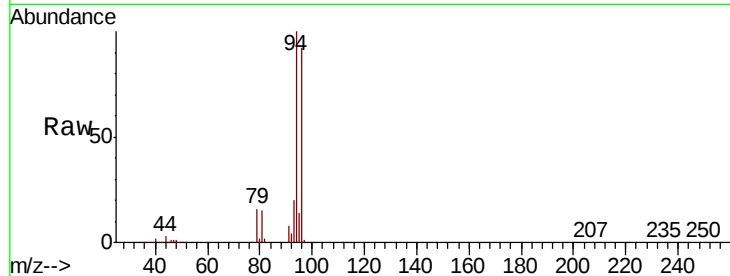
VSTDIC150

Tot Ion: 94 Resp: 202046

Ion Ratio Lower Upper

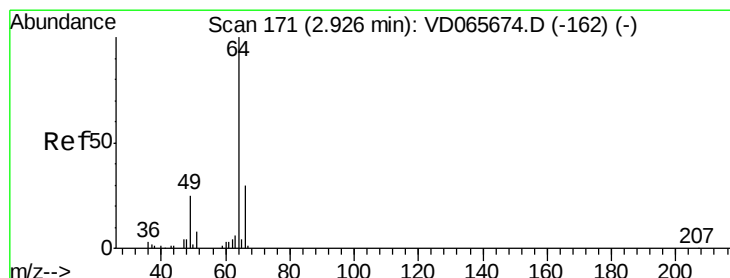
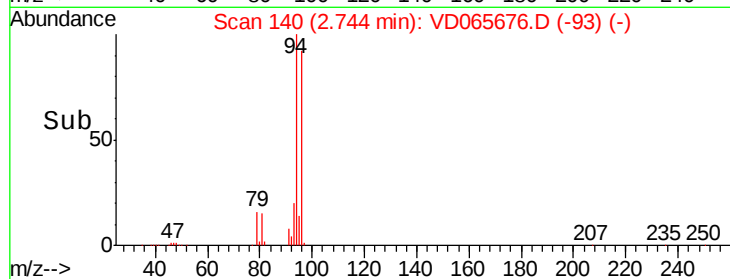
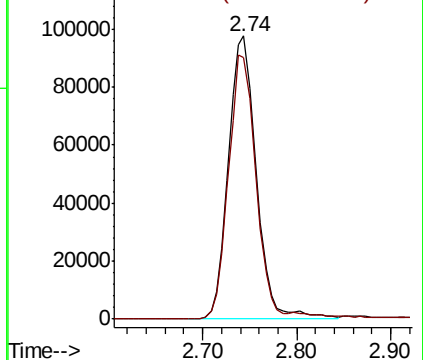
94 100

96 92.4 73.0 109.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 130.469 ug/l

RT: 2.91 min Scan# 168

Delta R.T. -0.02 min

Lab File: VD065676.D

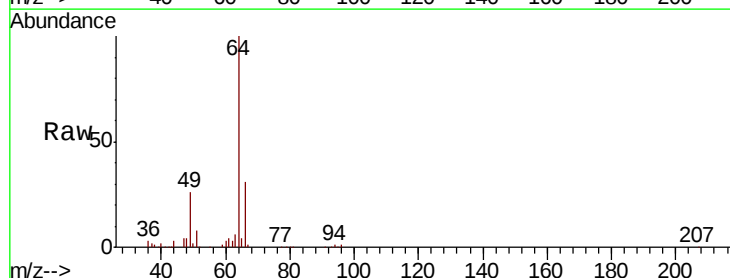
Acq: 24 Apr 2020 14:27

Tgt Ion: 64 Resp: 212175

Ion Ratio Lower Upper

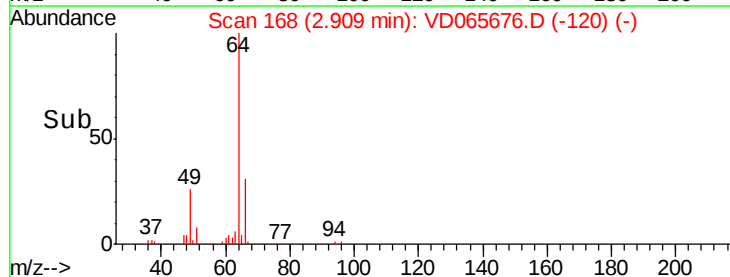
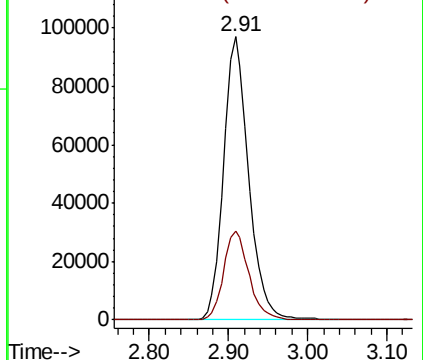
64 100

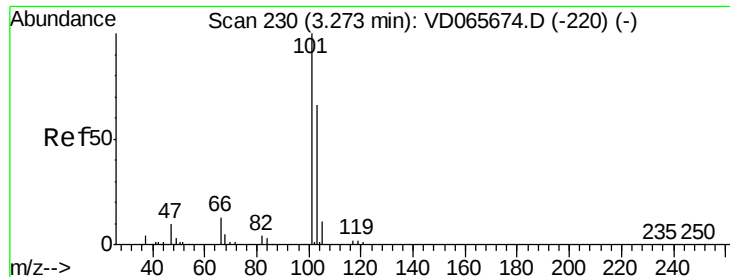
66 31.3 24.3 36.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



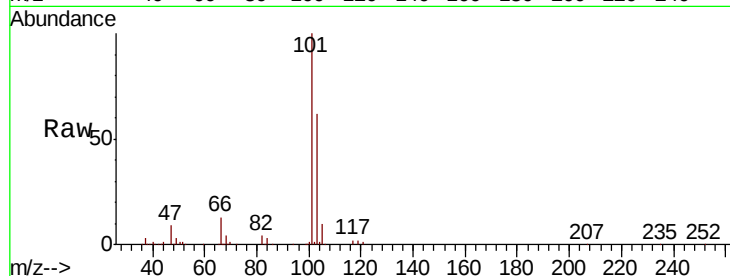


#7

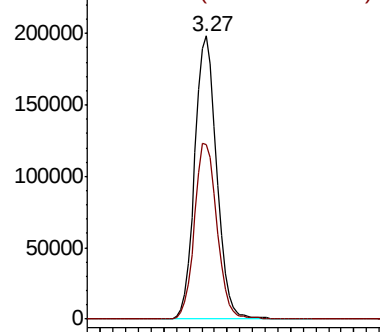
Trichlorofluoromethane
 Concen: 127.095 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

Instrument :
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 ClientSampleId :
 VSTDIC150

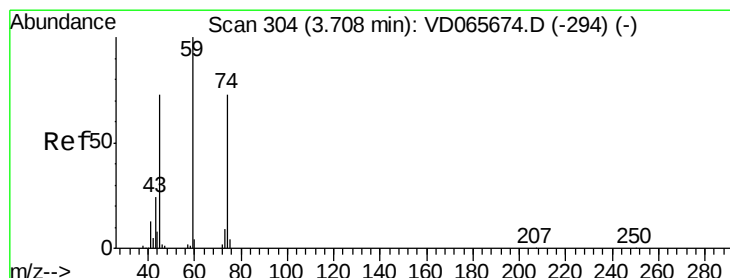
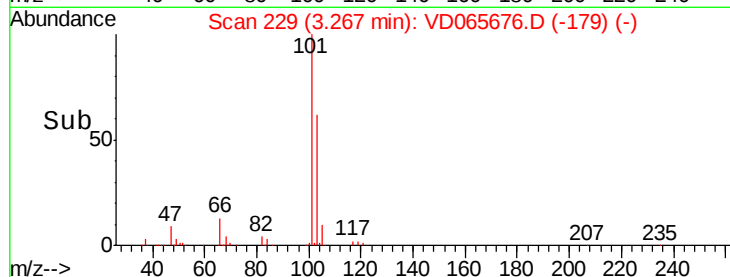
Tot Ion:101 Resp: 476035
 Ion Ratio Lower Upper
 101 100
 103 61.7 52.6 78.8



Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



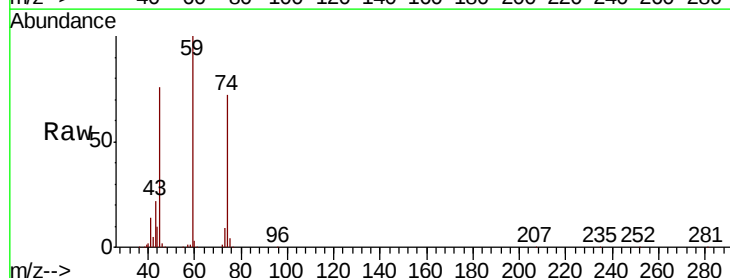
Time-->



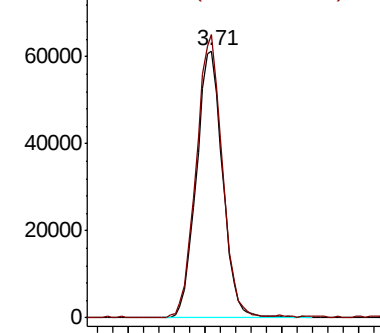
#8

Diethyl Ether
 Concen: 133.340 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

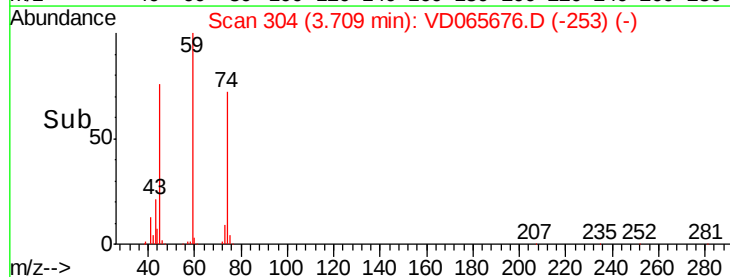
Tgt Ion: 74 Resp: 146025
 Ion Ratio Lower Upper
 74 100
 45 105.5 55.0 165.2

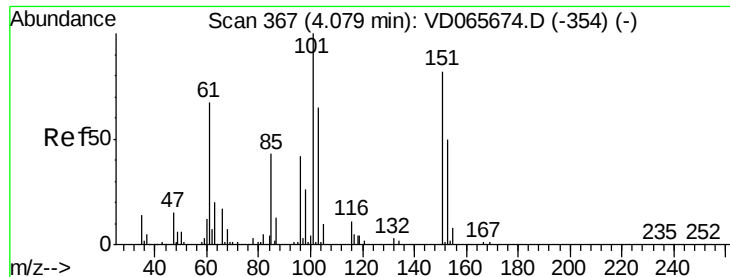


Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.00 (44.70 to 45.70): VDC



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 123.934 ug/l

RT: 4.08 min Scan# 367

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

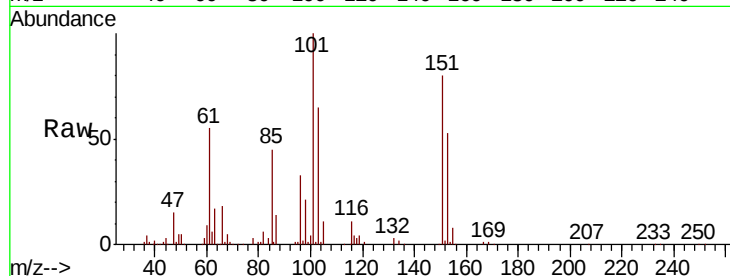
Tot Ion:101 Resp: 276439

Ion Ratio Lower Upper

101 100

85 44.4 35.1 52.7

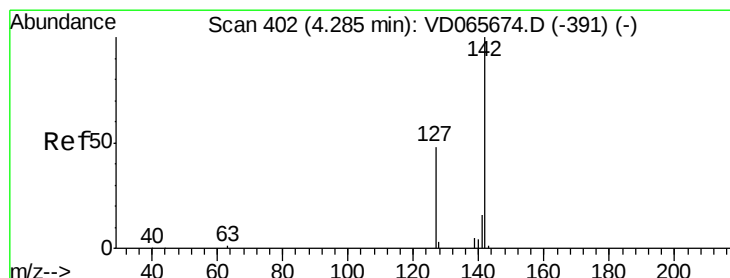
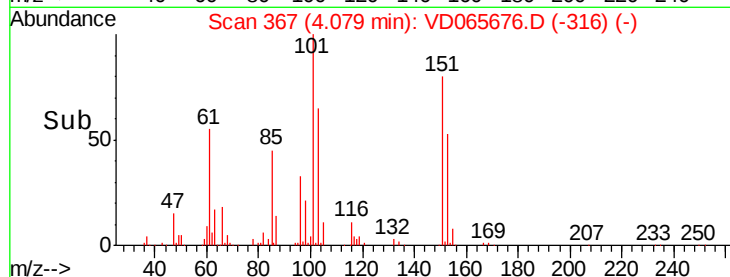
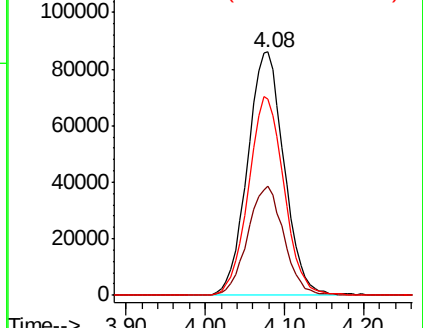
151 79.7 64.1 96.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 183.523 ug/l

RT: 4.29 min Scan# 402

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

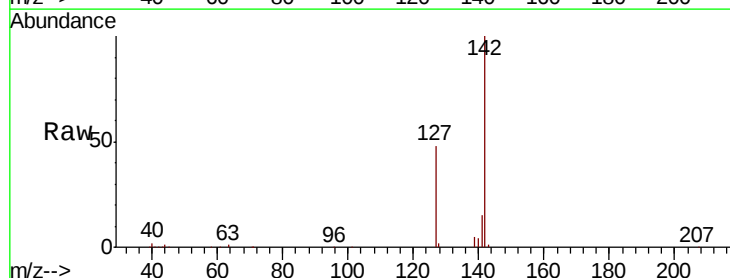
Tgt Ion:142 Resp: 294934

Ion Ratio Lower Upper

142 100

127 47.8 39.0 58.4

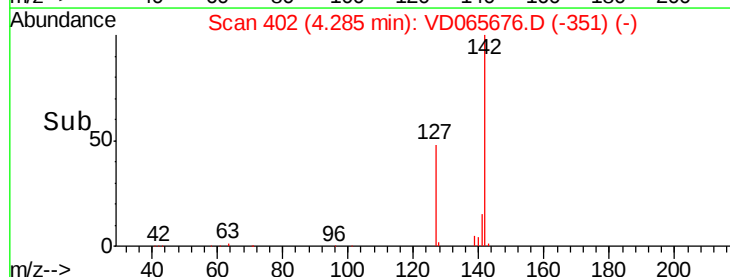
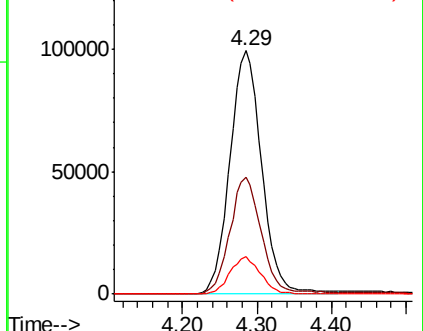
141 14.7 12.4 18.6

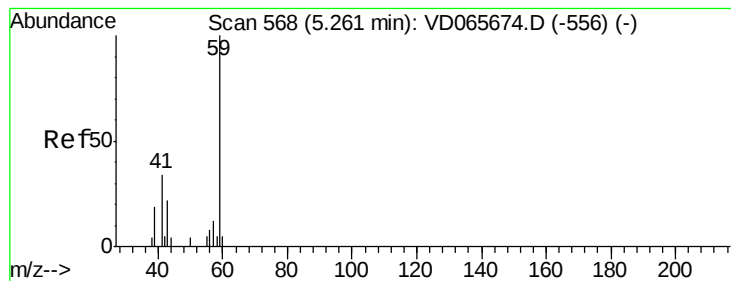


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



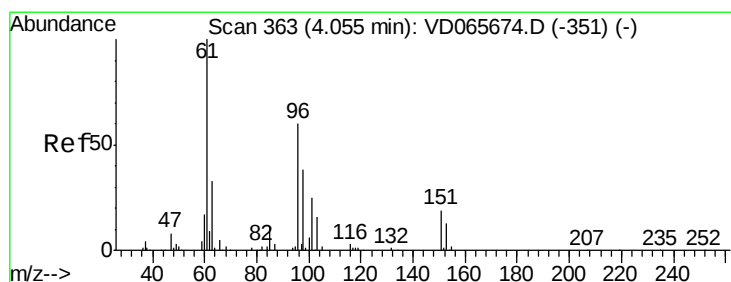
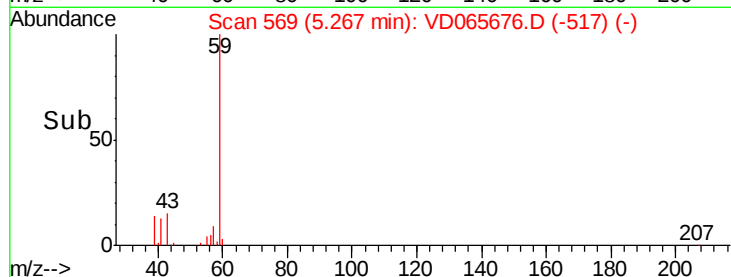
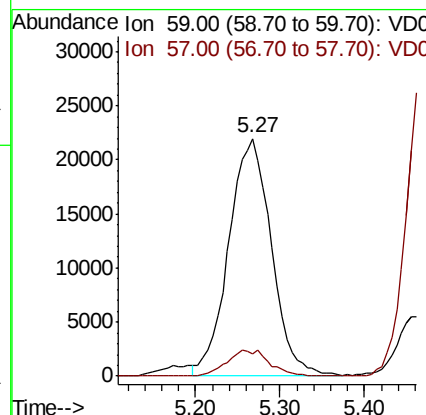
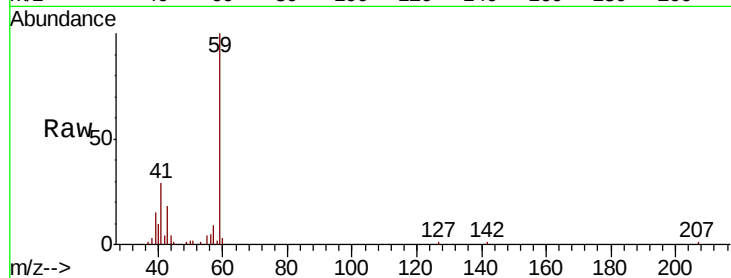


#11

Tert butyl alcohol
 Concen: 771.230 ug/l
 RT: 5.27 min Scan# 569
 Delta R.T. 0.01 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

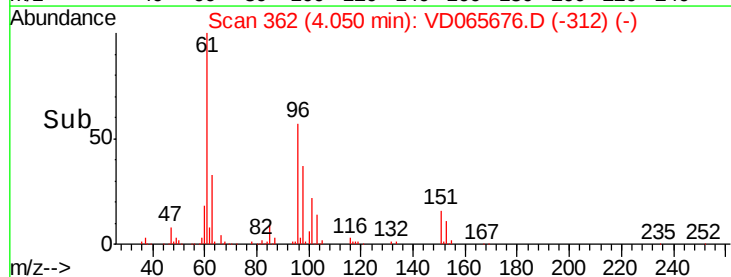
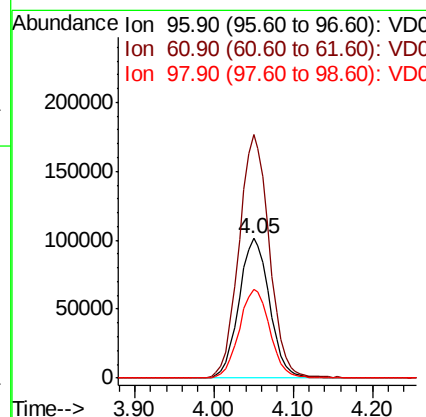
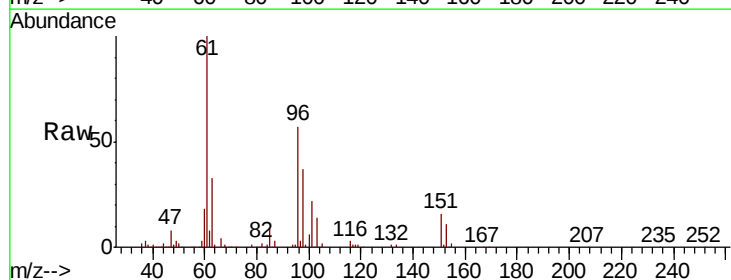
Tot Ion: 59 Resp: 77051
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.0 12.0

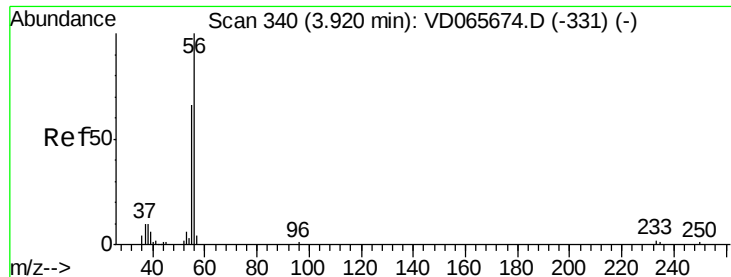


#12

1,1-Dichloroethene
 Concen: 123.213 ug/l
 RT: 4.05 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

Tgt Ion: 96 Resp: 271954
 Ion Ratio Lower Upper
 96 100
 61 174.3 132.8 199.2
 98 63.9 50.7 76.1





#13

Acrolein

Concen: 680.503 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

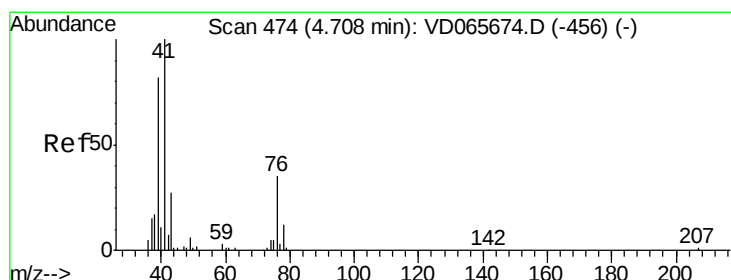
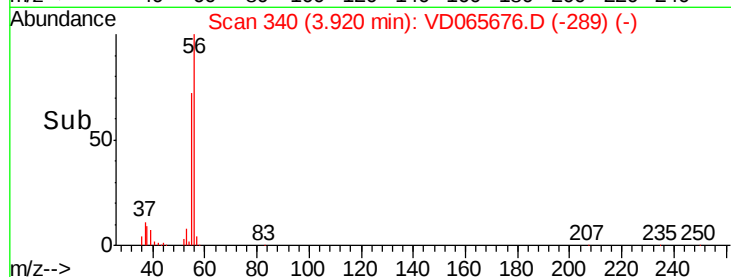
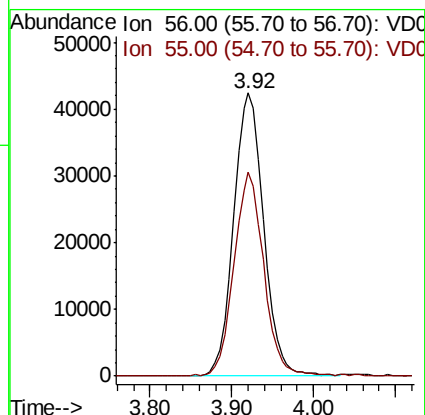
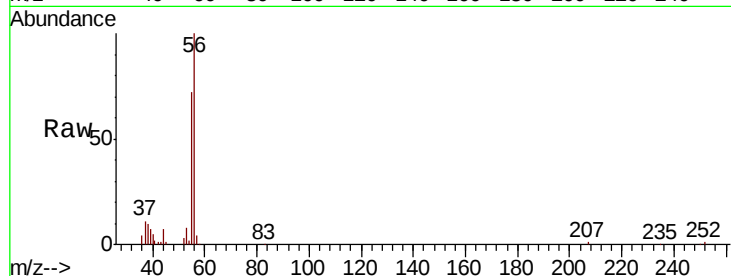
VSTDIC150

Tot Ion: 56 Resp: 108596

Ion Ratio Lower Upper

56 100

55 71.3 58.6 88.0



#14

Allyl chloride

Concen: 151.511 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

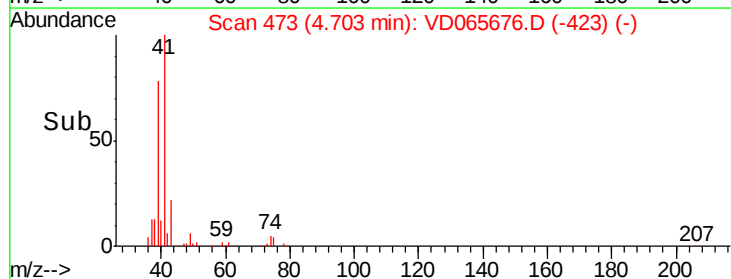
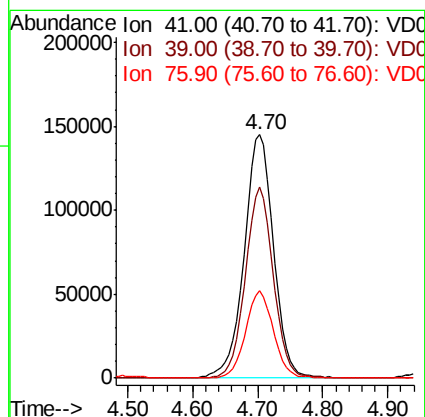
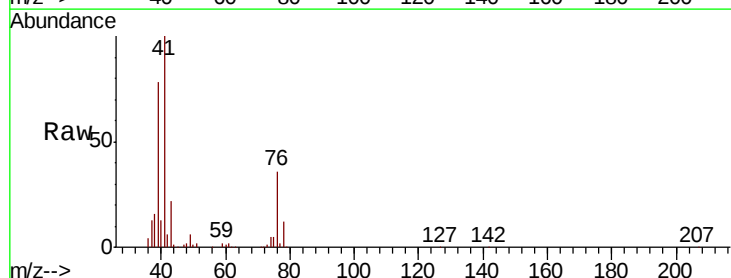
Tgt Ion: 41 Resp: 453259

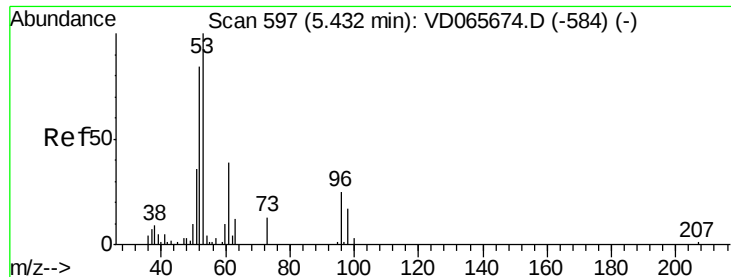
Ion Ratio Lower Upper

41 100

39 75.0 63.3 94.9

76 33.5 27.8 41.8





#15

Acrylonitrile

Concen: 794.444 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

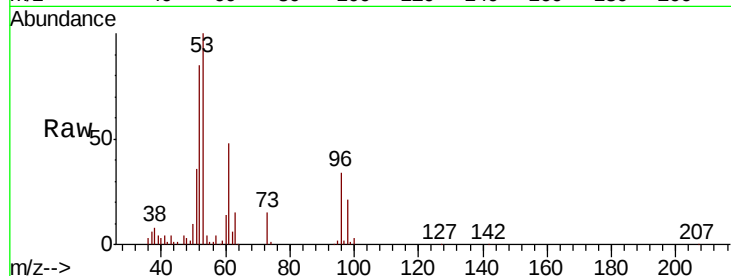
Tot Ion: 53 Resp: 327927

Ion Ratio Lower Upper

53 100

52 82.9 66.2 99.4

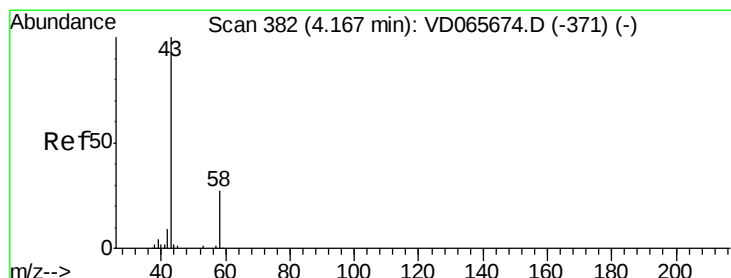
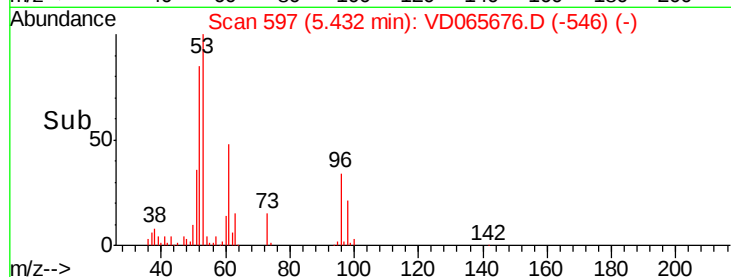
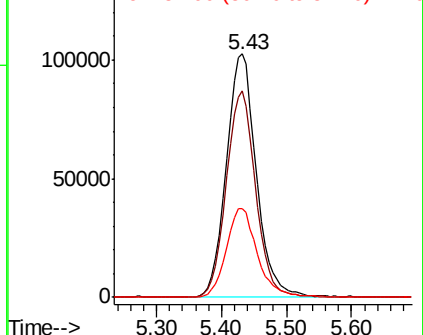
51 37.7 32.0 48.0



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 552.379 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065676.D

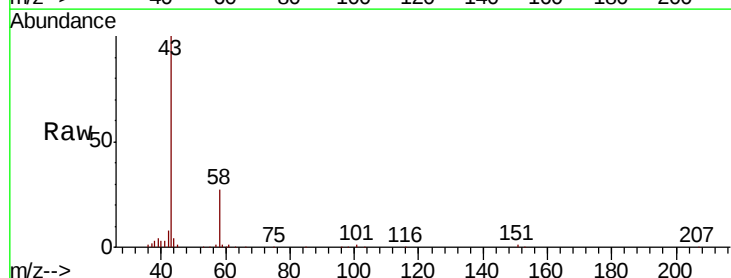
Acq: 24 Apr 2020 14:27

Tgt Ion: 43 Resp: 281731

Ion Ratio Lower Upper

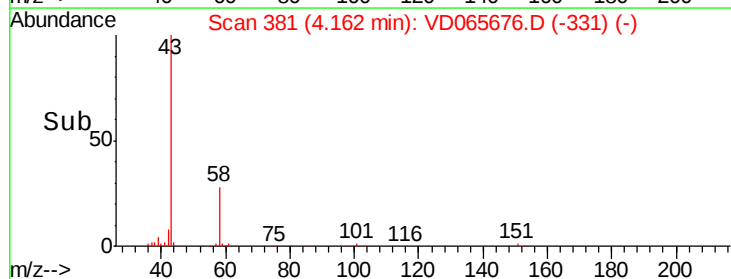
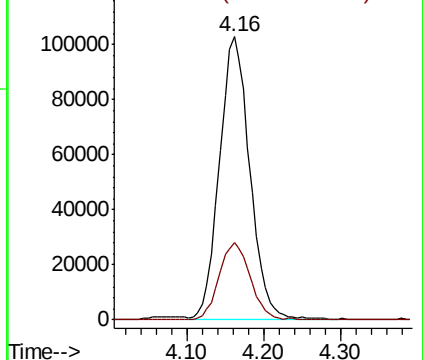
43 100

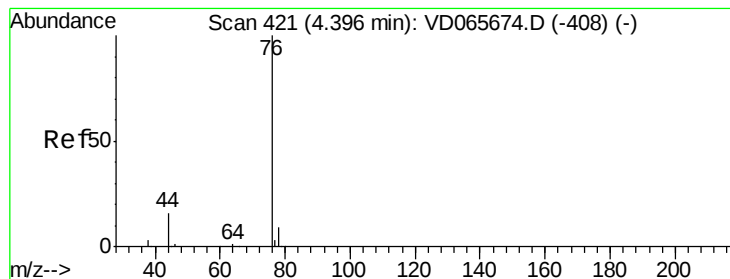
58 27.5 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 134.931 ug/l

RT: 4.39 min Scan# 420

Delta R.T. -0.01 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

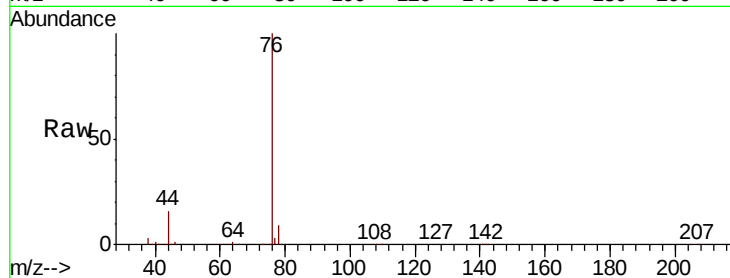
VSTDIC150

Tot Ion: 76 Resp: 796152

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.39

300000

250000

200000

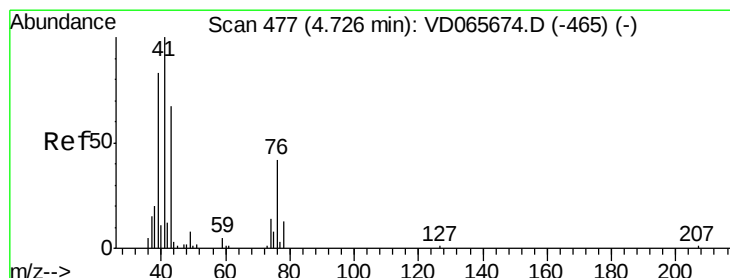
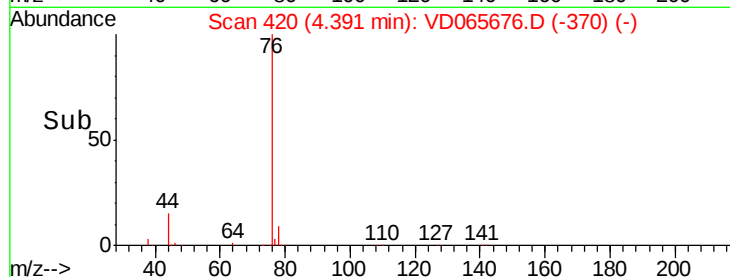
150000

100000

50000

0

Time--> 4.20 4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 138.066 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065676.D

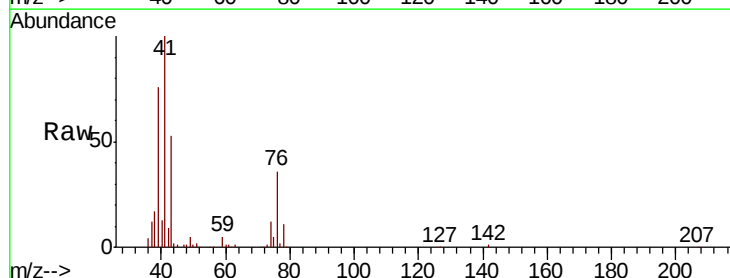
Acq: 24 Apr 2020 14:27

Tgt Ion: 43 Resp: 155985

Ion Ratio Lower Upper

43 100

74 22.4 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

60000

50000

40000

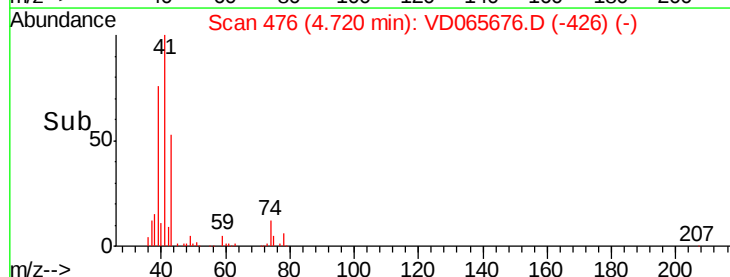
30000

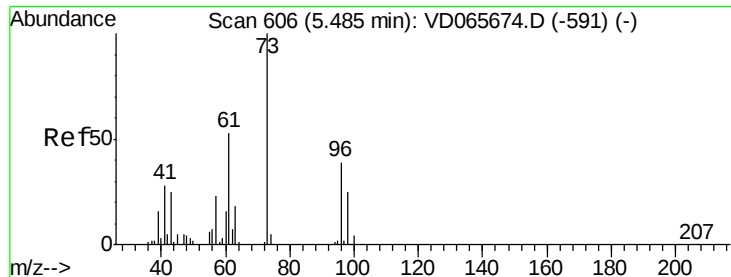
20000

10000

0

Time--> 4.60 4.70 4.80 4.90

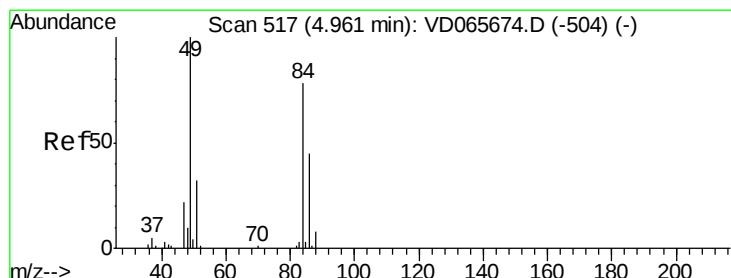
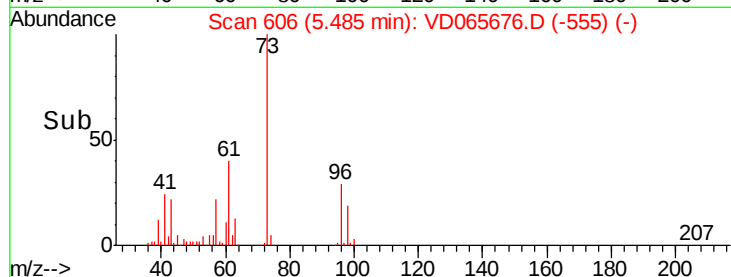
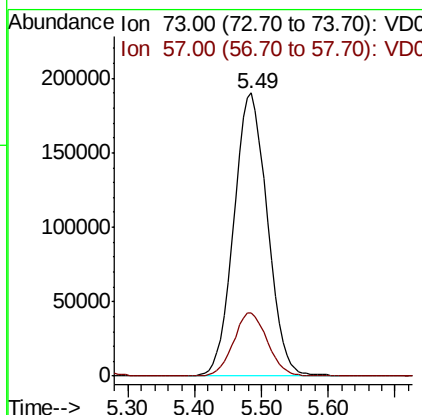
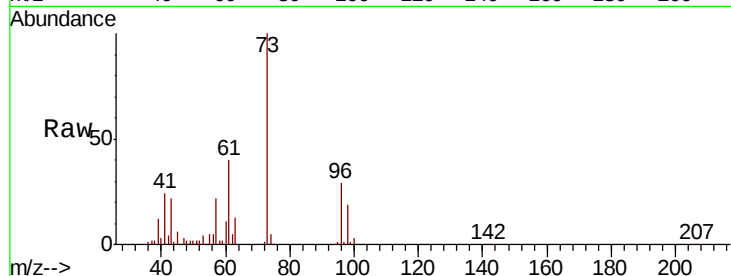




#19
Methvl tert-butvl Ether
Concen: 175.759 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

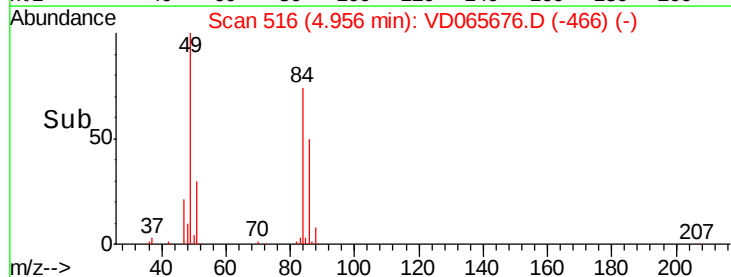
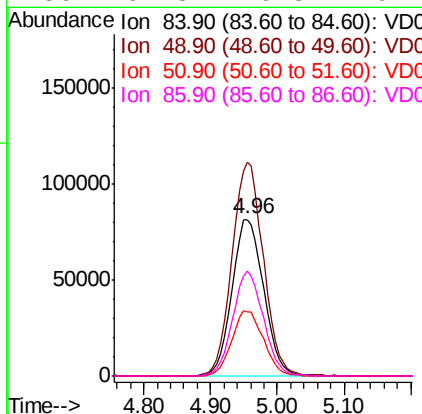
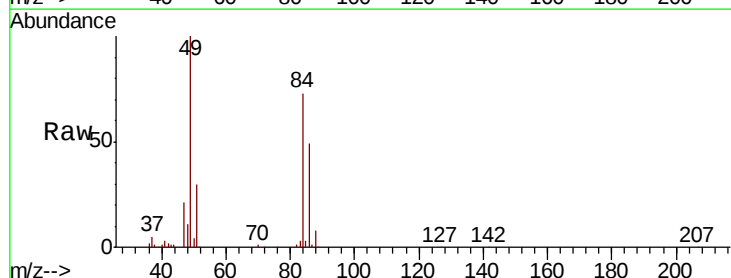
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

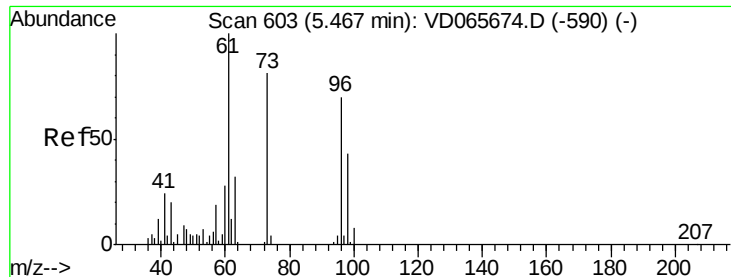
Tot Ion: 73 Resp: 661760
Ion Ratio Lower Upper
73 100
57 22.3 18.3 27.5



#20
Methylene Chloride
Concen: 120.923 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

Tgt Ion: 84 Resp: 268440
Ion Ratio Lower Upper
84 100
49 136.7 103.1 154.7
51 40.7 33.3 49.9
86 67.3 46.8 70.2

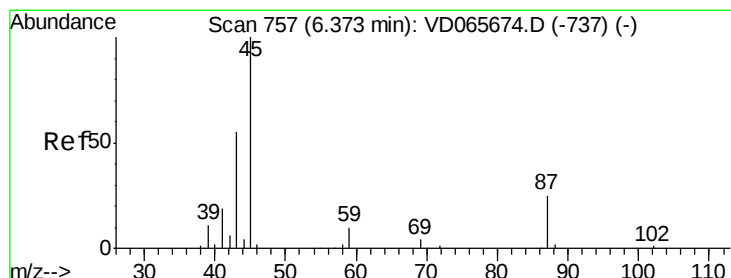
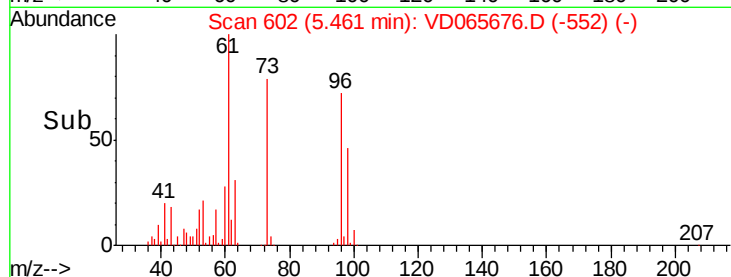
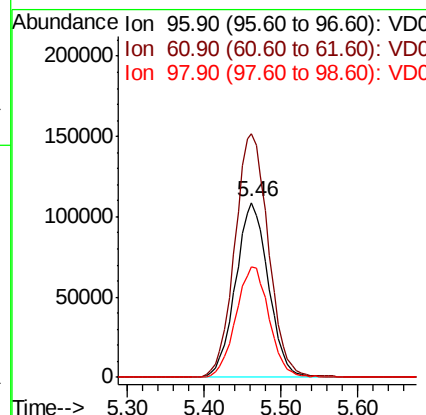
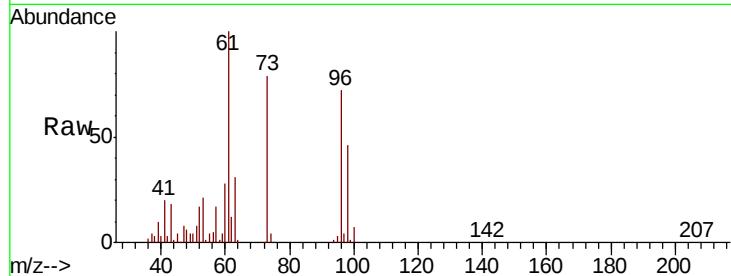




#21
trans-1,2-Dichloroethene
Concen: 154.469 ug/l
RT: 5.46 min Scan# 602
Delta R.T. -0.01 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

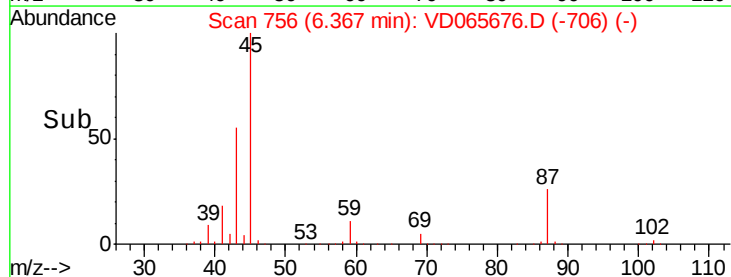
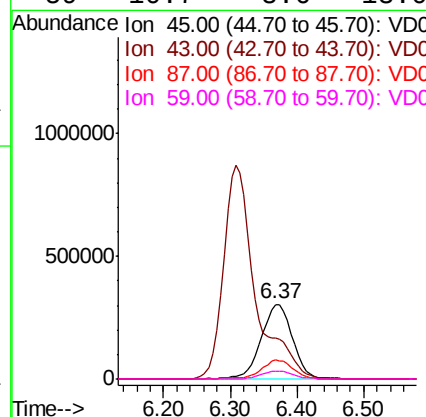
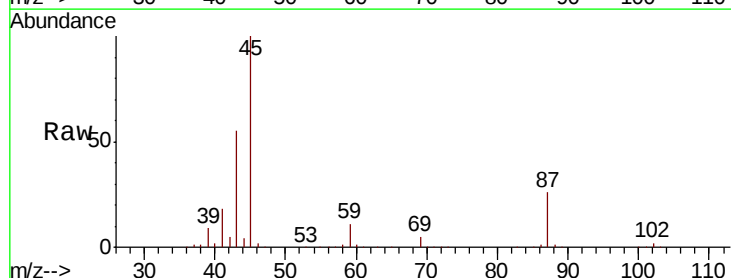
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

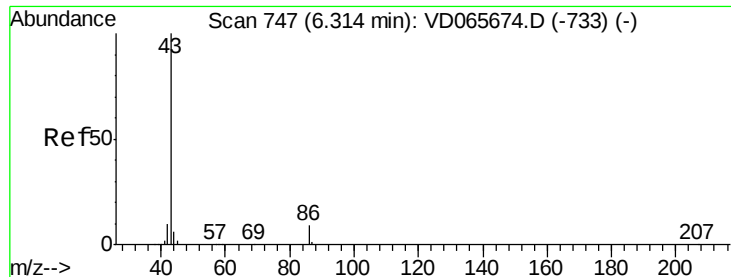
Tot Ion: 96 Resp: 324795
Ion Ratio Lower Upper
96 100
61 139.3 114.8 172.2
98 63.5 49.4 74.0



#22
Diisopropyl ether
Concen: 159.451 ug/l
RT: 6.37 min Scan# 756
Delta R.T. -0.01 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

Tgt Ion: 45 Resp: 986326
Ion Ratio Lower Upper
45 100
43 55.0 45.2 67.8
87 25.5 20.8 31.2
59 10.7 8.6 13.0





#23

Vinyl Acetate

Concen: 867.682 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

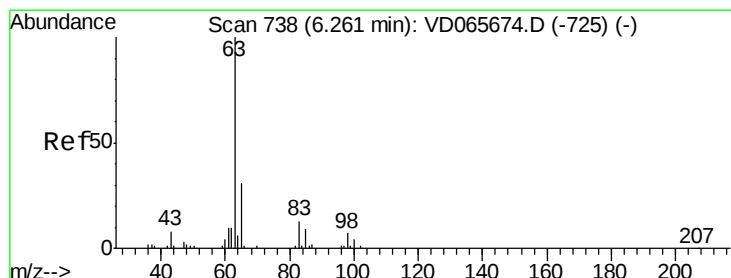
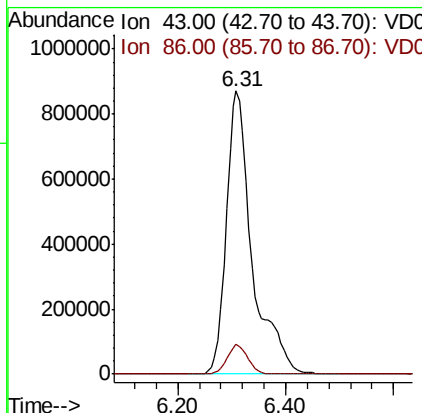
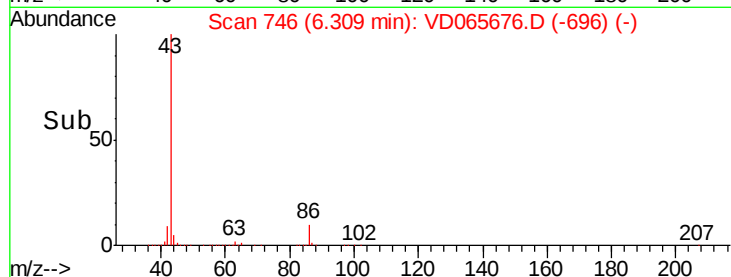
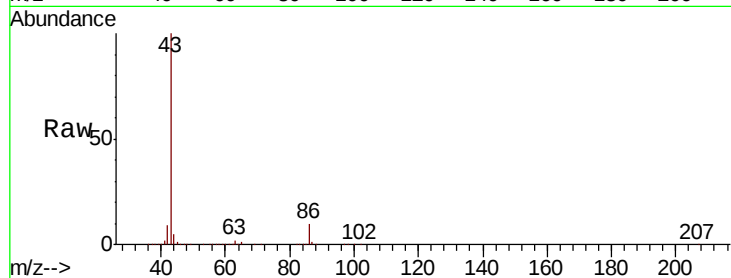
VSTDIC150

Tot Ion: 43 Resp: 2922545

Ion Ratio Lower Upper

43 100

86 10.4 7.6 11.4



#24

1,1-Dichloroethane

Concen: 139.553 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

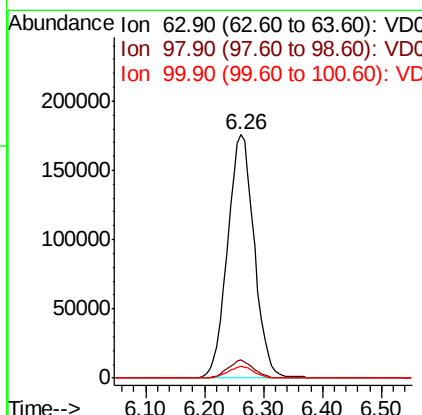
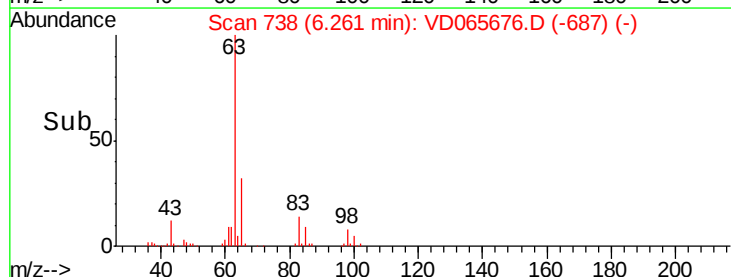
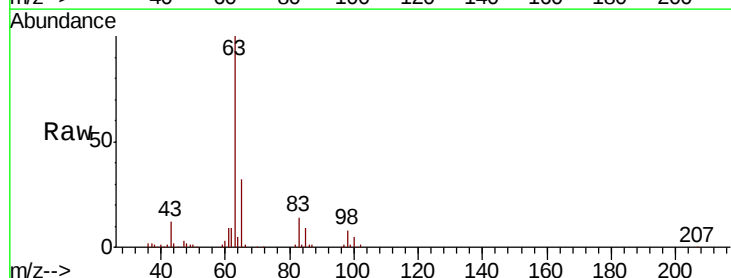
Tgt Ion: 63 Resp: 555282

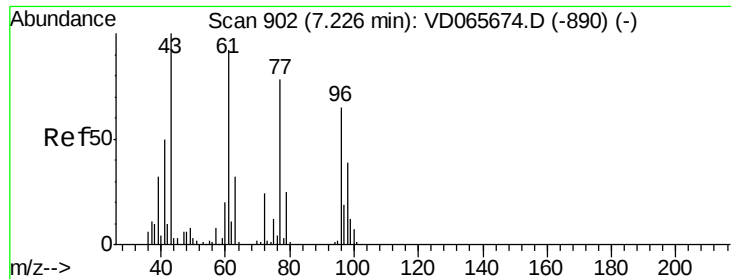
Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.4

100 4.7 2.2 6.6





#25

2-Butanone

Concen: 782.769 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

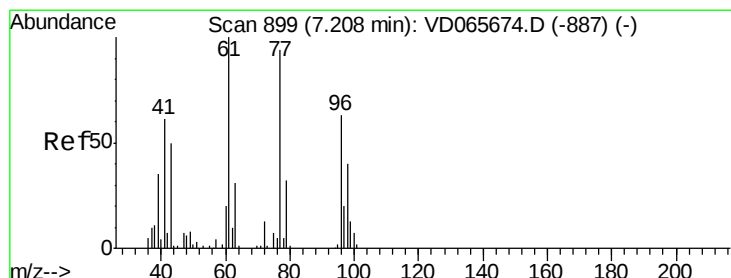
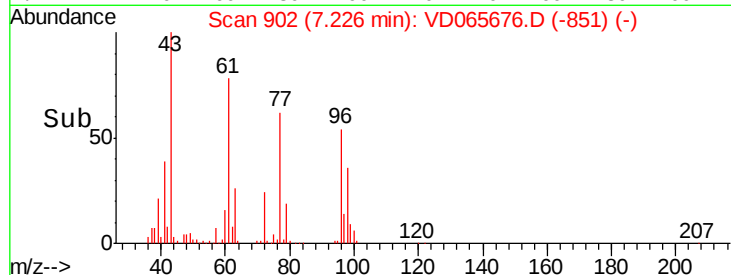
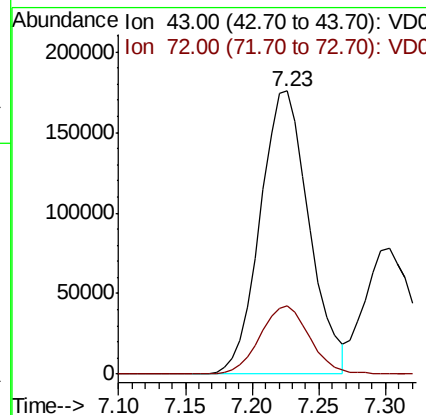
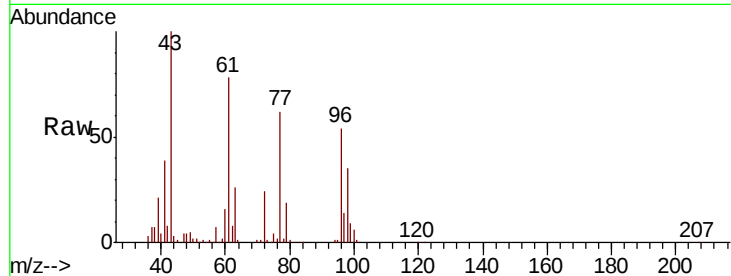
VSTDIC150

Tot Ion: 43 Resp: 446300

Ion Ratio Lower Upper

43 100

72 24.1 19.3 28.9



#26

2,2-Dichloropropane

Concen: 137.288 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065676.D

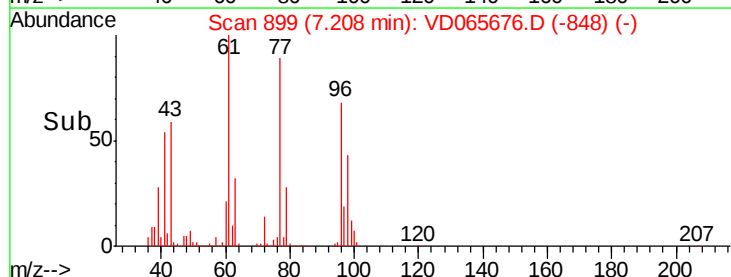
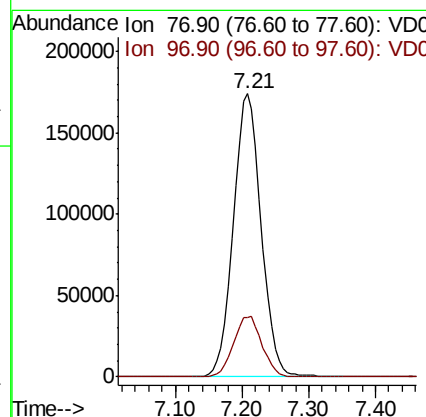
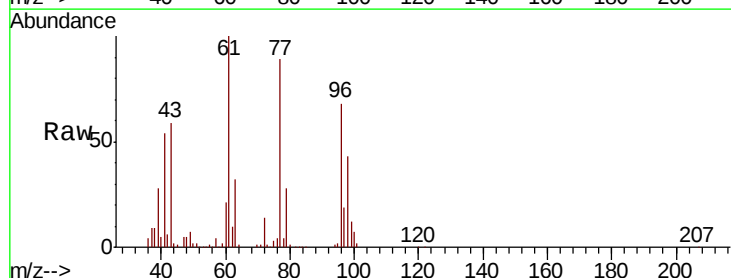
Acq: 24 Apr 2020 14:27

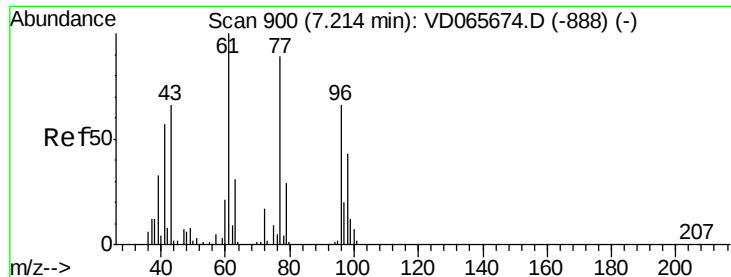
Tgt Ion: 77 Resp: 506237

Ion Ratio Lower Upper

77 100

97 22.0 10.8 32.3



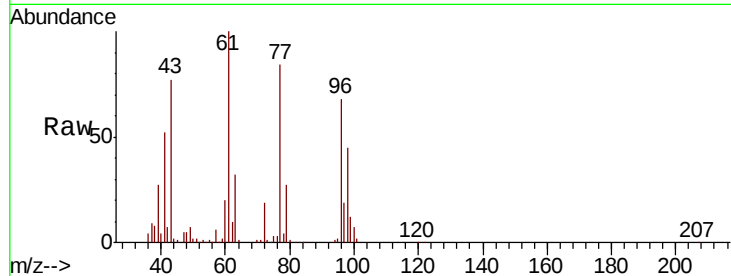


#27

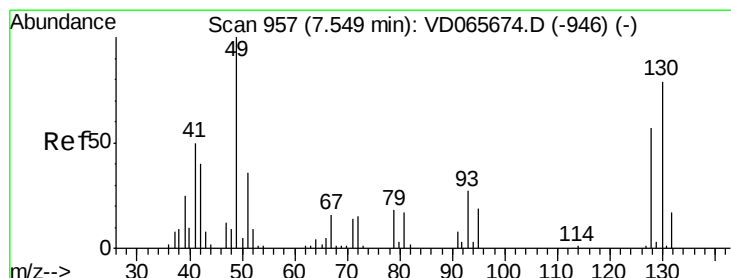
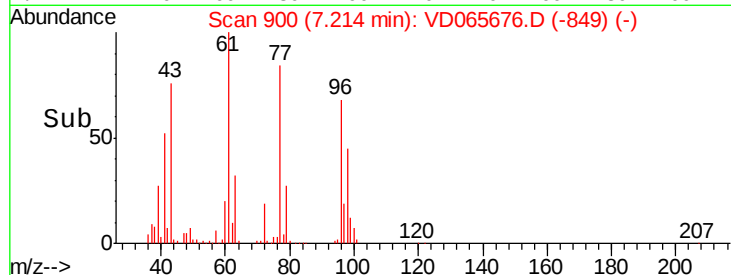
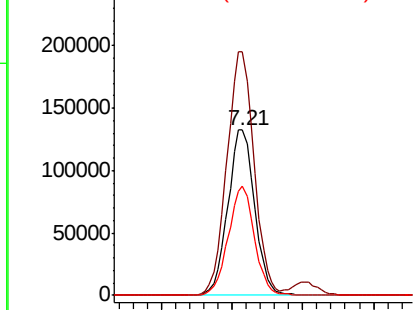
cis-1,2-Dichloroethene
Concen: 153.661 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	96	Resp	349808
Ion	Ratio	Lower	Upper
96	100		
61	149.2	0.0	304.6
98	64.3	0.0	126.6



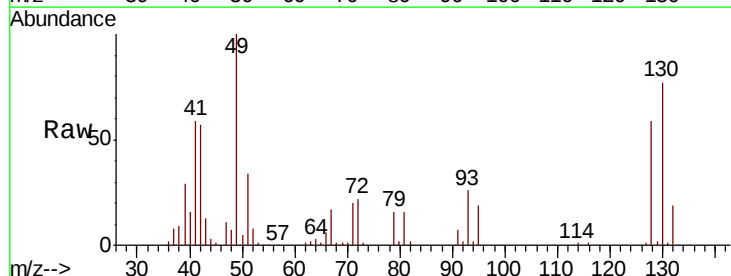
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



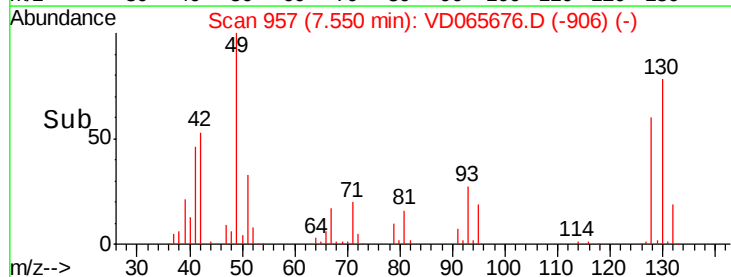
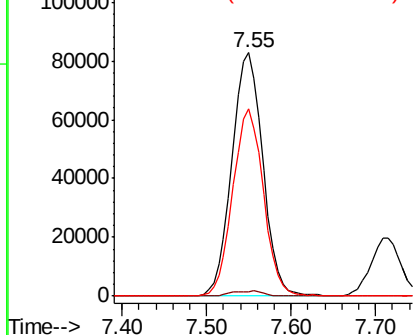
#28

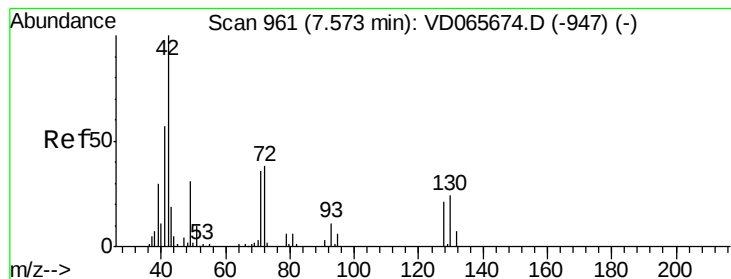
Bromochloromethane
Concen: 130.117 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

Tgt Ion	49	Resp	209602
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	2.4
130	76.2	60.7	91.1



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





#29

Tetrahydrofuran

Concen: 819.096 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

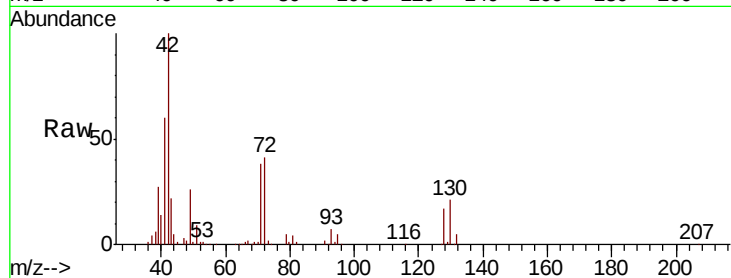
Tot Ion: 42 Resp: 282111

Ion Ratio Lower Upper

42 100

72 40.1 31.2 46.8

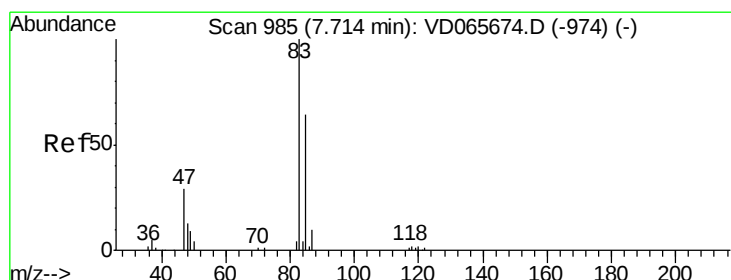
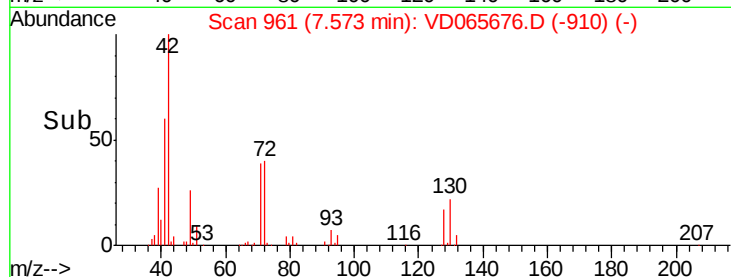
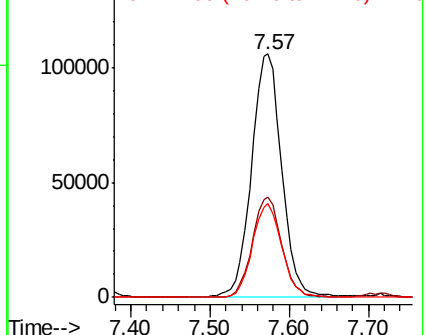
71 37.4 28.9 43.3



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 133.439 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065676.D

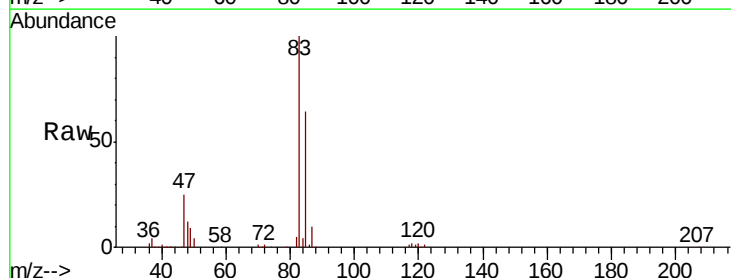
Acq: 24 Apr 2020 14:27

Tgt Ion: 83 Resp: 562500

Ion Ratio Lower Upper

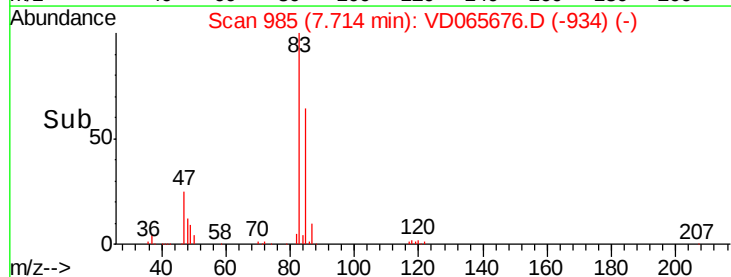
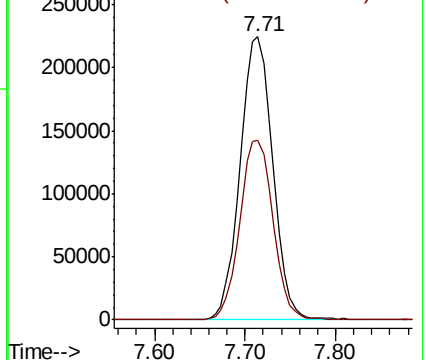
83 100

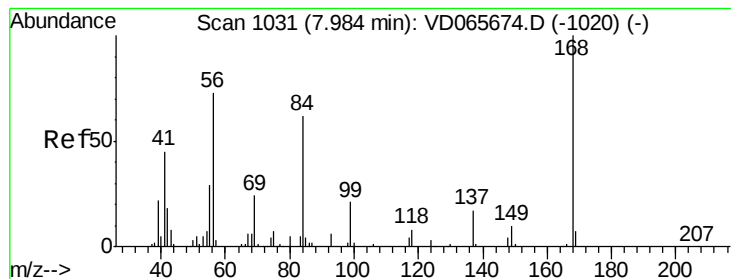
85 63.6 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 140.865 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

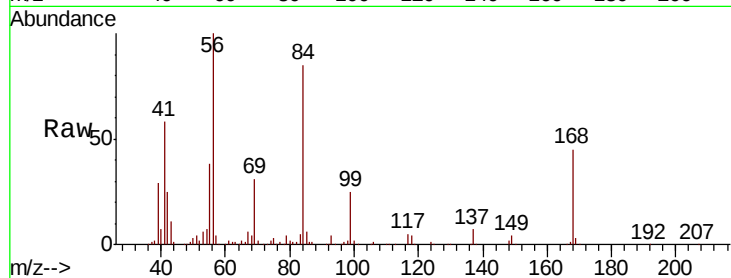
Tot Ion: 56 Resp: 532524

Ion Ratio Lower Upper

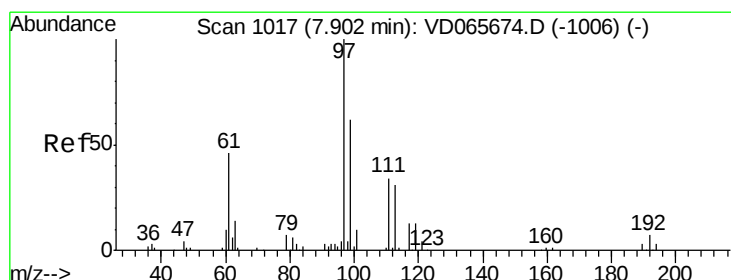
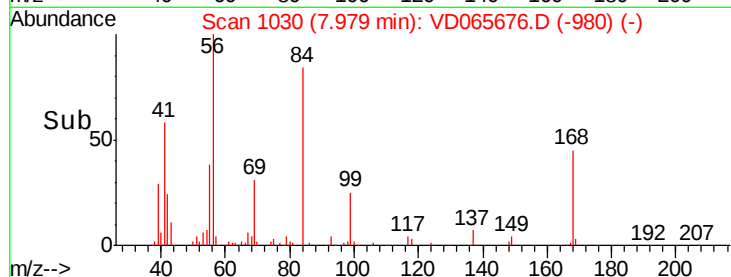
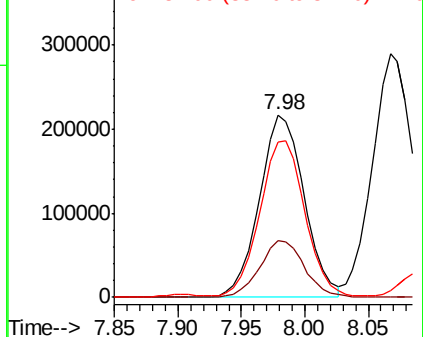
56 100

69 31.1 25.8 38.6

84 83.9 68.3 102.5



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



#32

1,1,1-Trichloroethane

Concen: 135.293 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

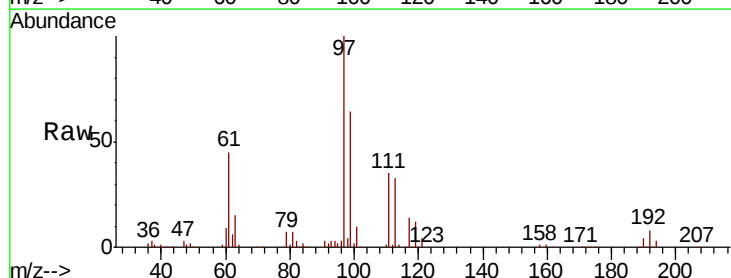
Tgt Ion: 97 Resp: 520503

Ion Ratio Lower Upper

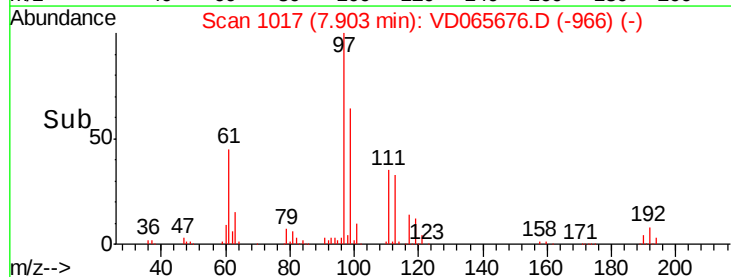
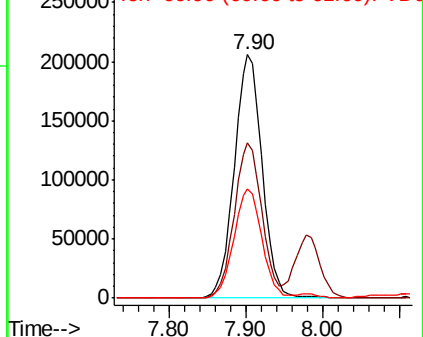
97 100

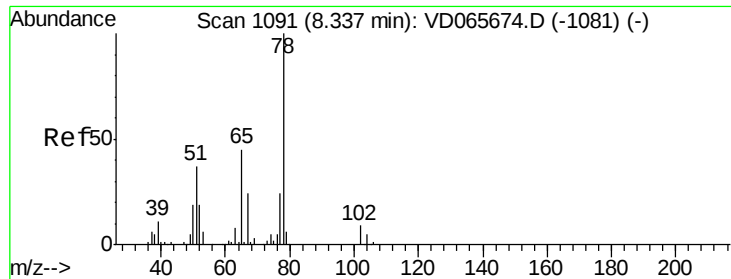
99 63.4 51.0 76.4

61 45.4 37.4 56.2



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





#33

1,2-Dichloroethane-d4

Concen: 128.583 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

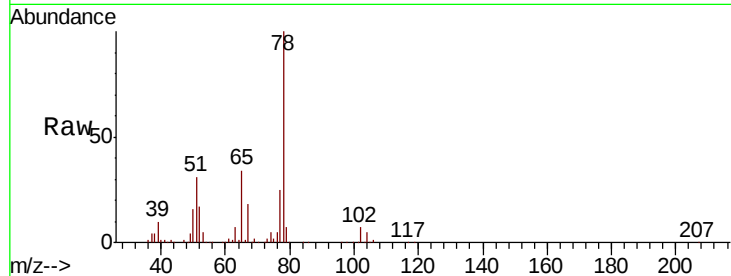
VSTDIC150

Tot Ion: 65 Resp: 284518

Ion Ratio Lower Upper

65 100

67 51.6 0.0 100.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

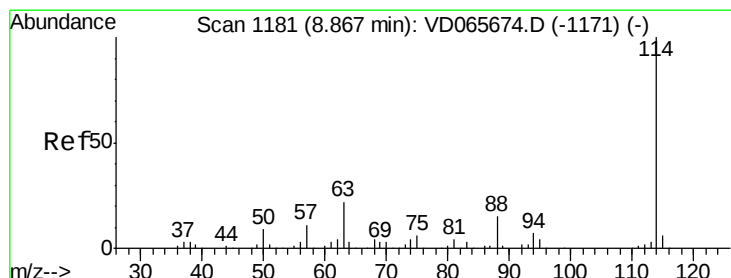
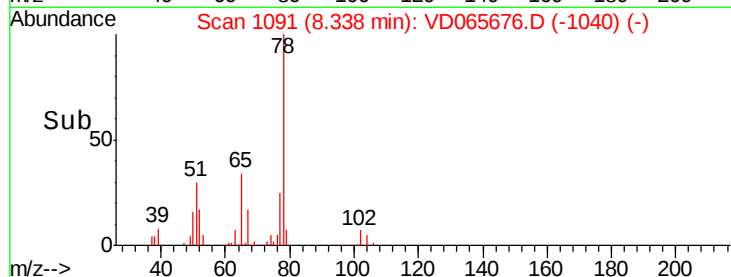
150000

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: VD065676.D

Acq: 24 Apr 2020 14:27

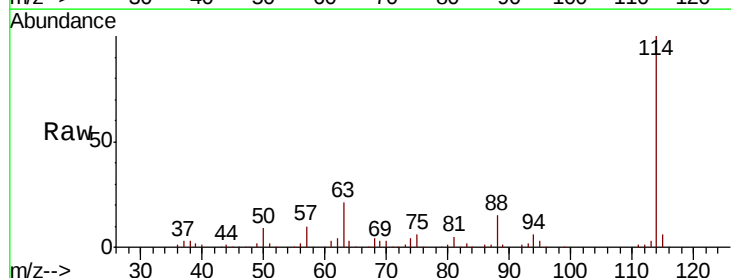
Tgt Ion: 114 Resp: 286422

Ion Ratio Lower Upper

114 100

63 21.4 0.0 44.0

88 15.5 0.0 30.4



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

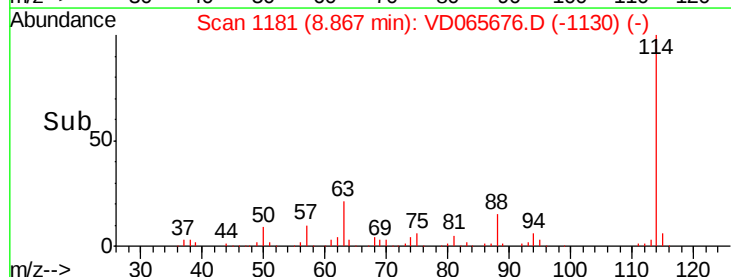
150000

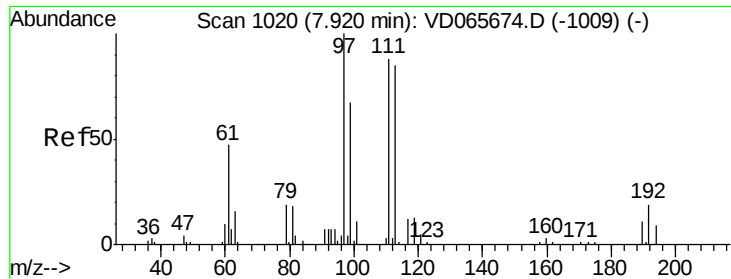
100000

50000

0

Time-->

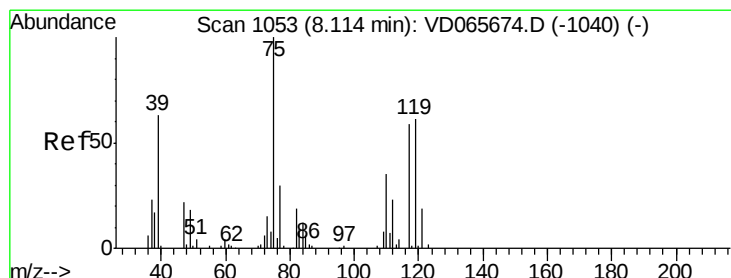
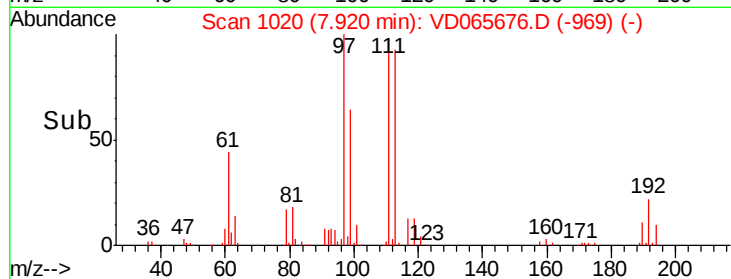
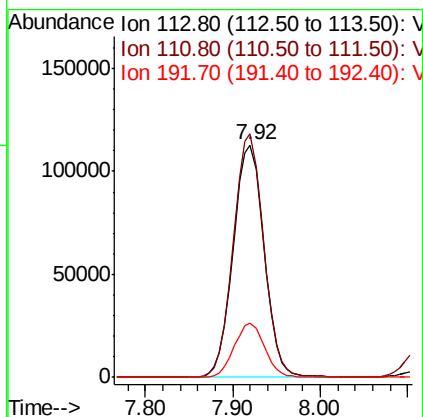
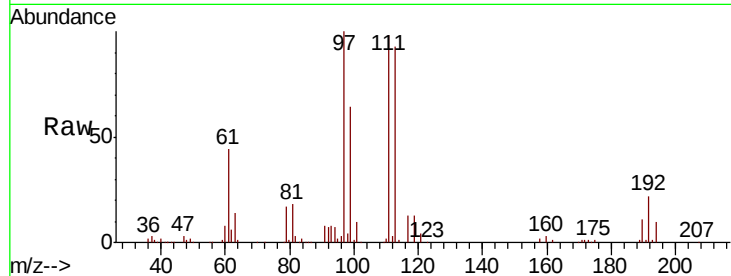




#35
 Dibromofluoromethane
 Concen: 137.864 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

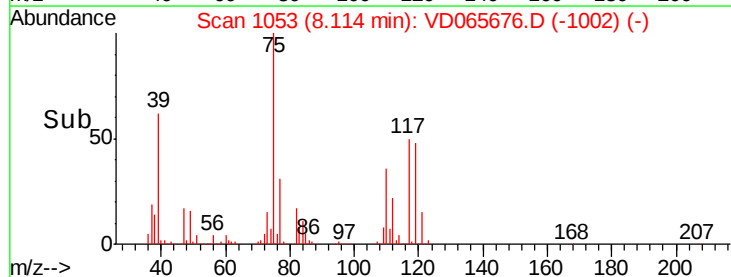
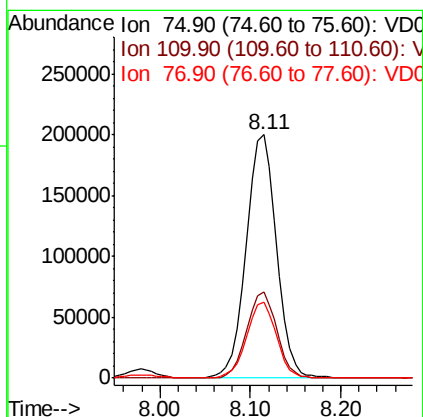
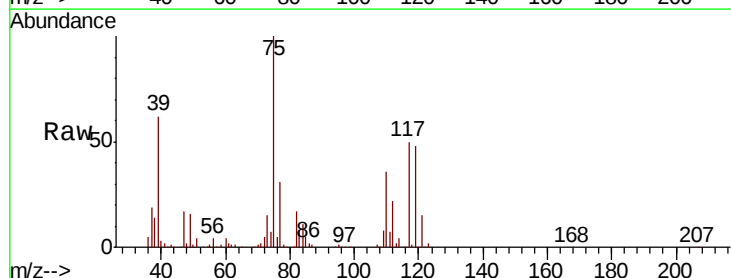
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

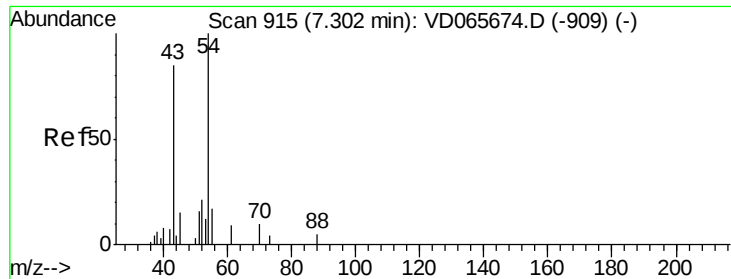
Tot Ion:113 Resp: 270183
 Ion Ratio Lower Upper
 113 100
 111 102.9 83.4 125.0
 192 22.9 17.7 26.5



#36
 1,1-Dichloropropene
 Concen: 151.874 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

Tgt Ion: 75 Resp: 464621
 Ion Ratio Lower Upper
 75 100
 110 35.1 17.2 51.5
 77 31.1 24.5 36.7

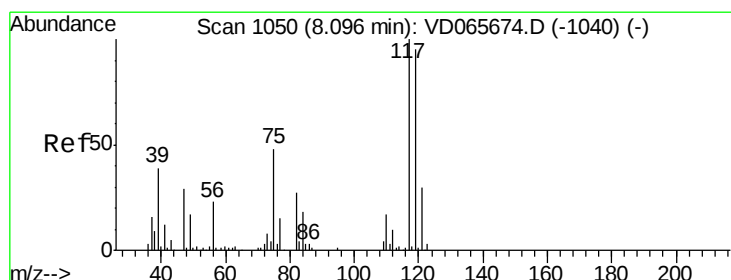
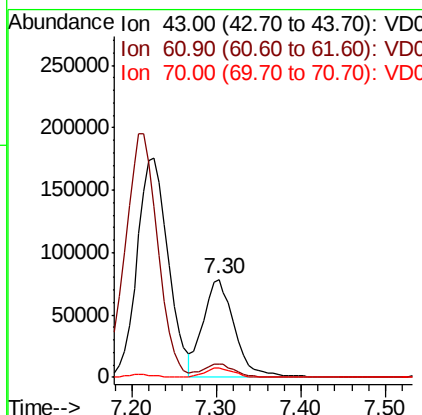
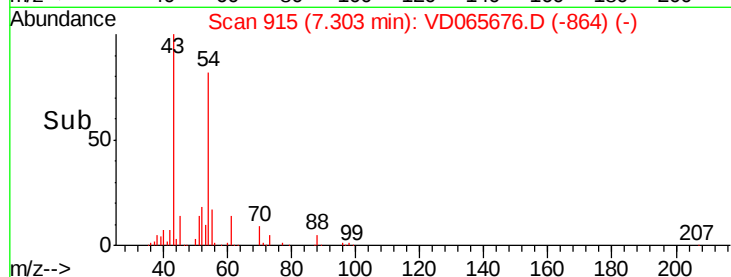
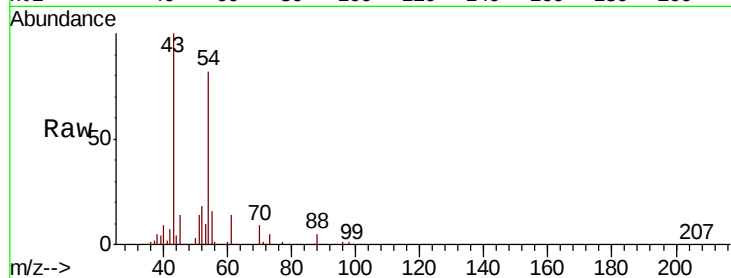




#37
Ethyl Acetate
Concen: 165.338 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

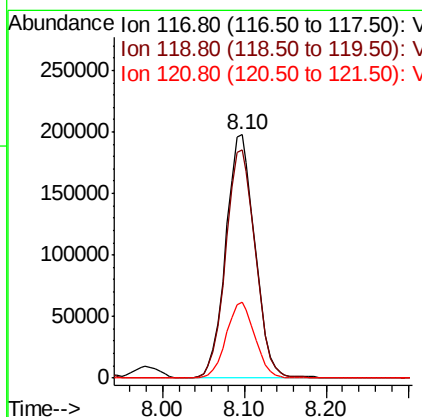
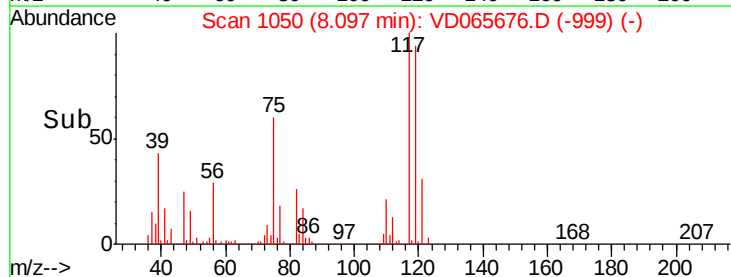
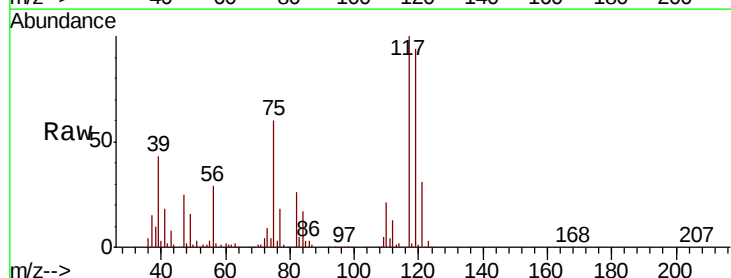
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

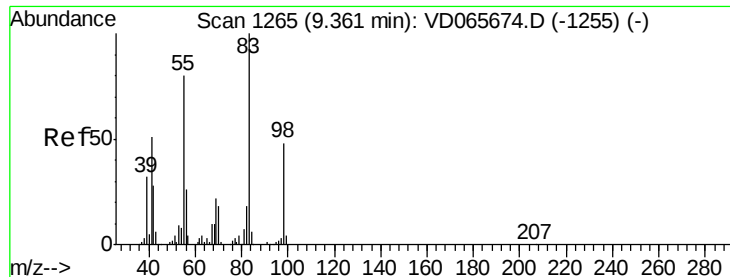
Tot Ion: 43 Resp: 200948
Ion Ratio Lower Upper
43 100
61 13.7 11.3 16.9
70 9.1 7.5 11.3



#38
Carbon Tetrachloride
Concen: 140.575 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

Tgt Ion: 117 Resp: 486847
Ion Ratio Lower Upper
117 100
119 93.6 75.8 113.6
121 31.3 23.8 35.8

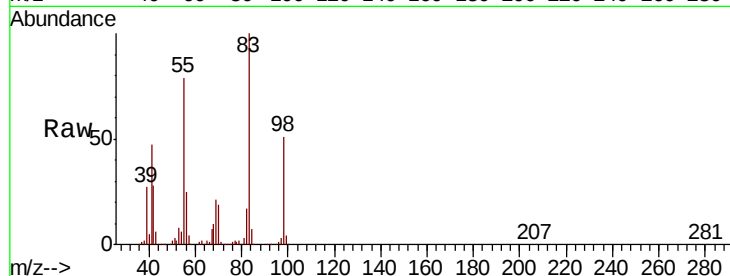




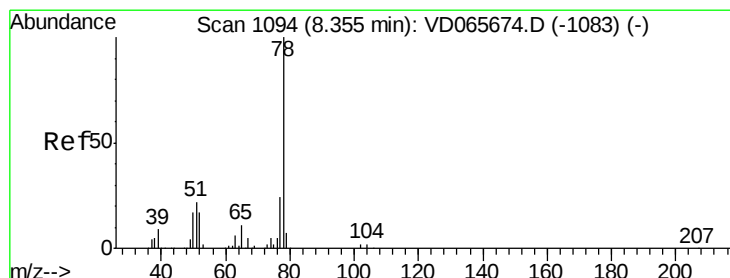
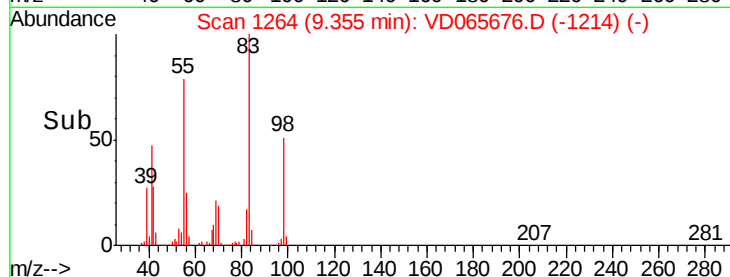
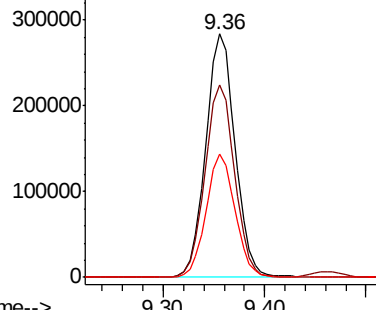
#39
Methvlcvclohexane
Concen: 174.476 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 571511
Ion Ratio Lower Upper
83 100
55 79.3 64.2 96.2
98 50.7 38.1 57.1

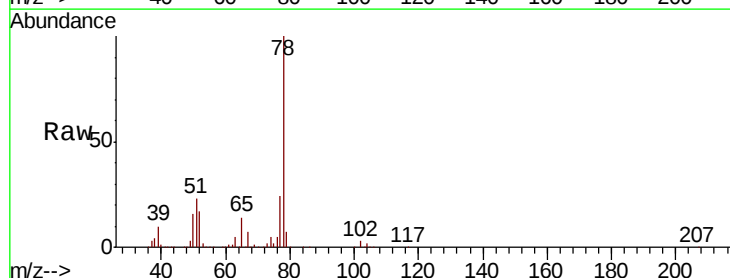


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

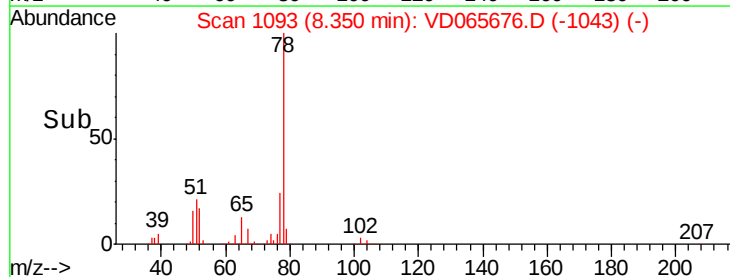
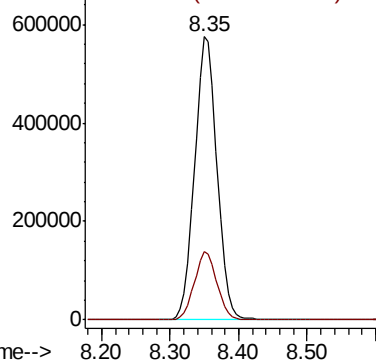


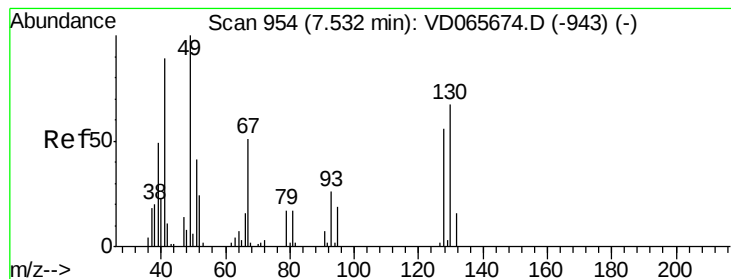
#40
Benzene
Concen: 154.203 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

Tgt Ion: 78 Resp: 1298235
Ion Ratio Lower Upper
78 100
77 24.0 19.4 29.0



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





#41

Methacrylonitrile

Concen: 167.684 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 110429

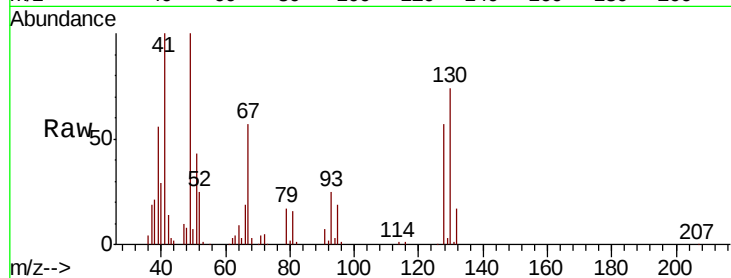
Ion Ratio Lower Upper

41 100

39 63.7 0.0 0.0#

67 69.1 56.0 84.0

52 30.4 27.0 40.4

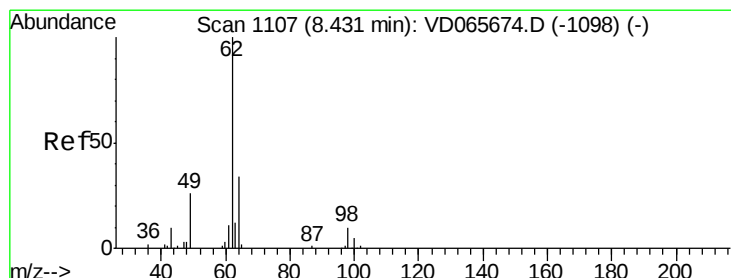
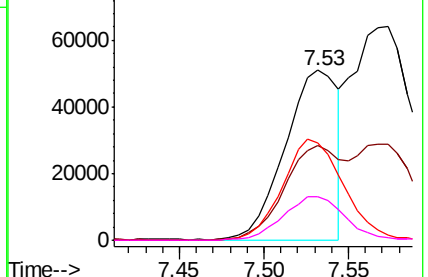
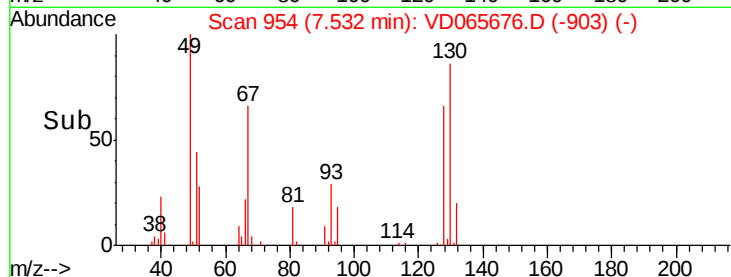


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 145.386 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065676.D

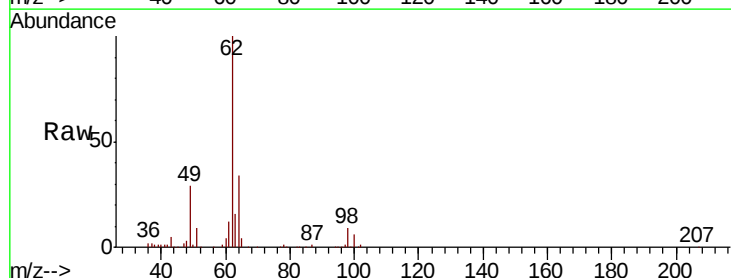
Acq: 24 Apr 2020 14:27

Tgt Ion: 62 Resp: 379934

Ion Ratio Lower Upper

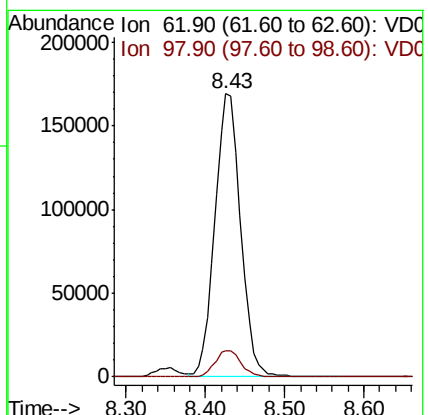
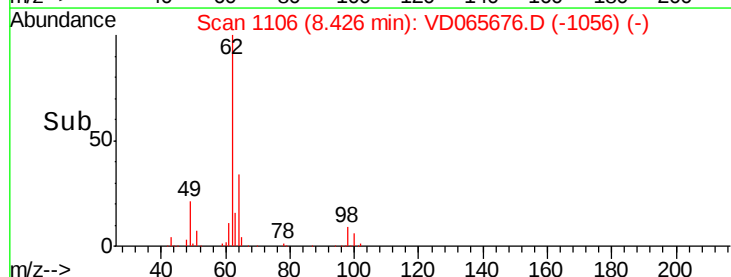
62 100

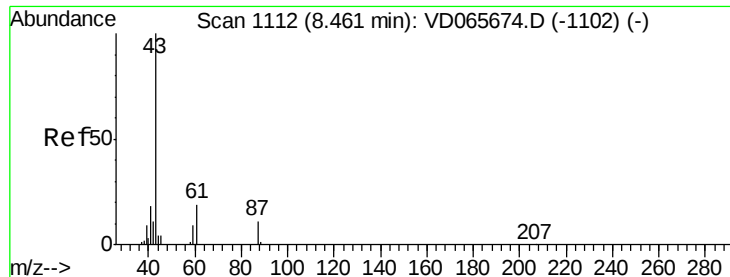
98 9.4 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 170.070 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

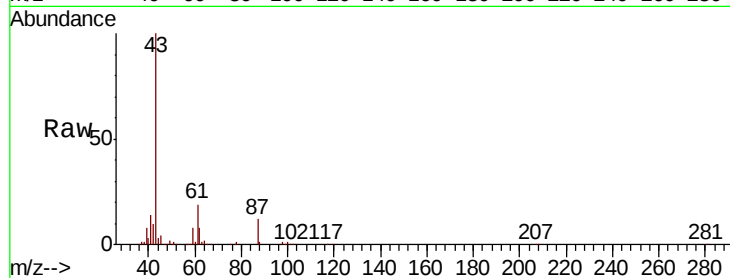
Tot Ion: 43 Resp: 378908

Ion Ratio Lower Upper

43 100

61 29.6 24.4 36.6

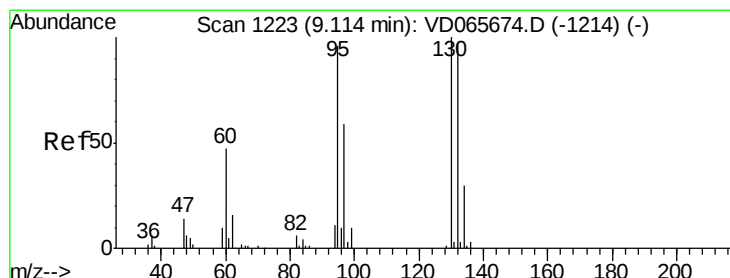
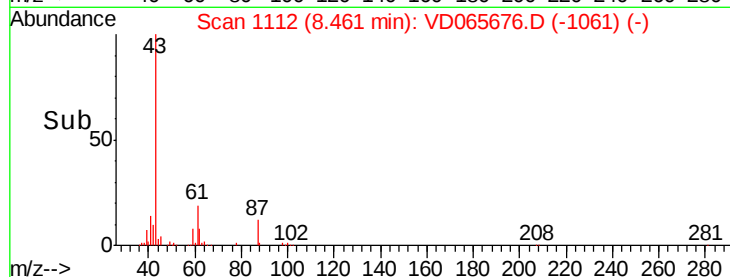
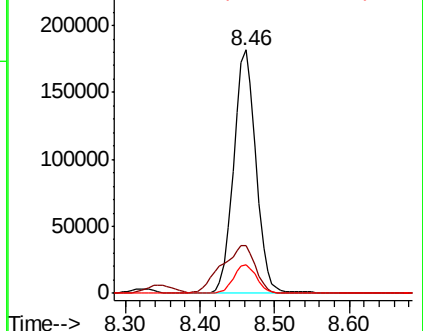
87 12.1 9.3 13.9



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: 146.298 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065676.D

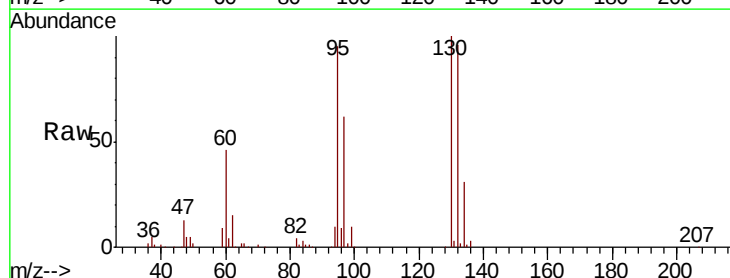
Acq: 24 Apr 2020 14:27

Tgt Ion:130 Resp: 343936

Ion Ratio Lower Upper

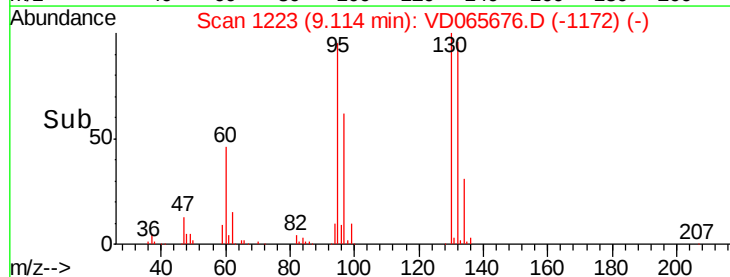
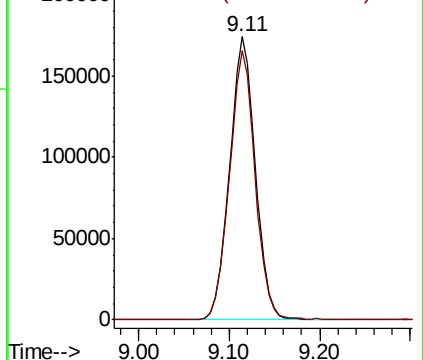
130 100

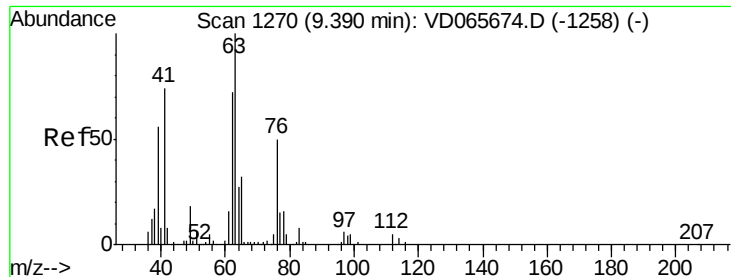
95 95.1 0.0 191.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

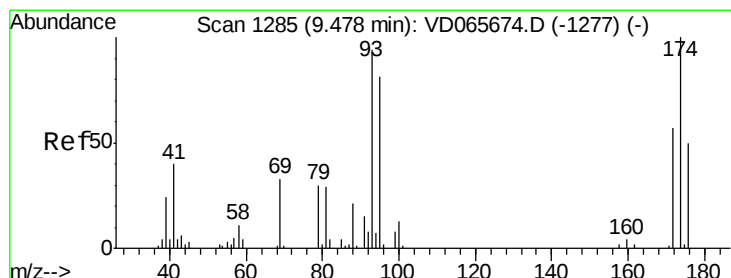
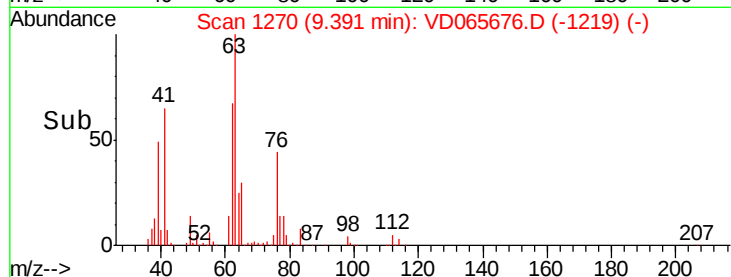
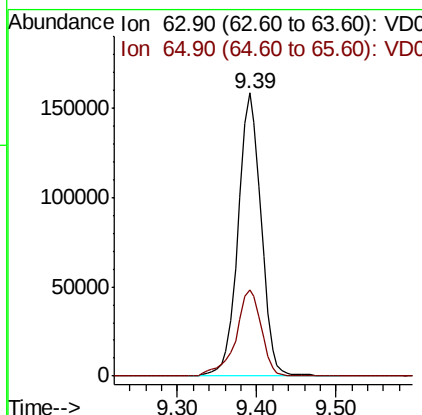
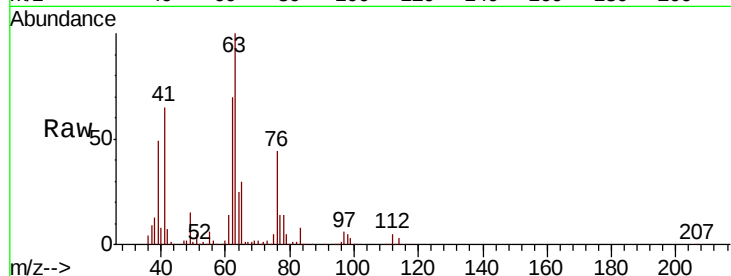




#45
 1,2-Dichloropropane
 Concen: 149.520 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

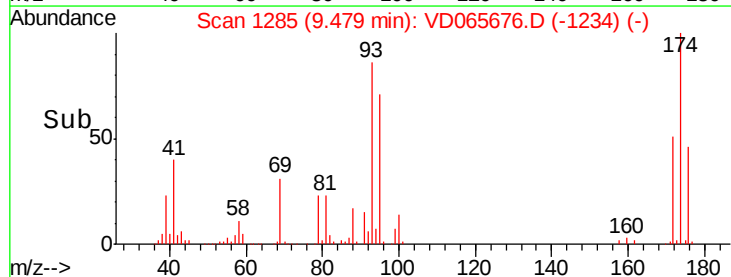
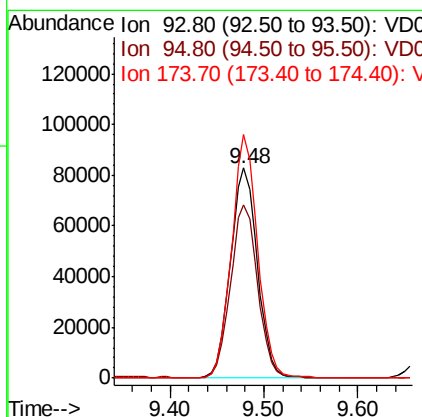
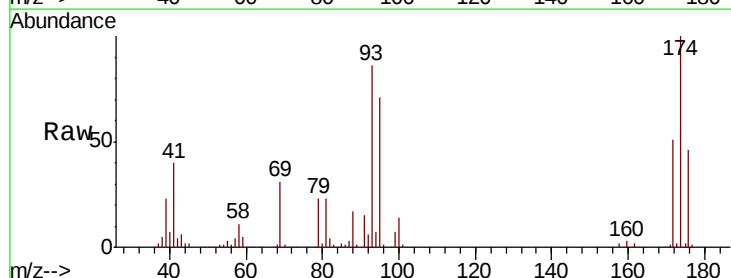
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

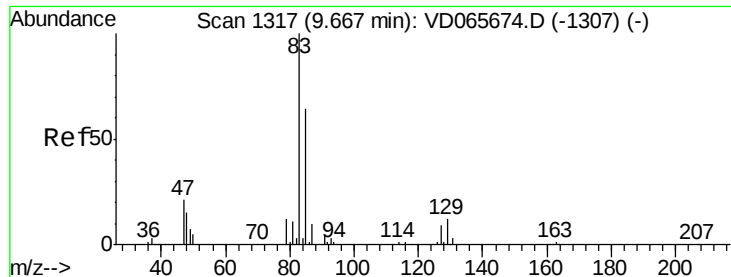
Tot Ion: 63 Resp: 318692
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.5 38.3



#46
 Dibromomethane
 Concen: 149.536 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

Tgt Ion: 93 Resp: 165402
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.1 99.1
 174 112.0 86.4 129.6





#47

Bromodichloromethane

Concen: 145.779 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

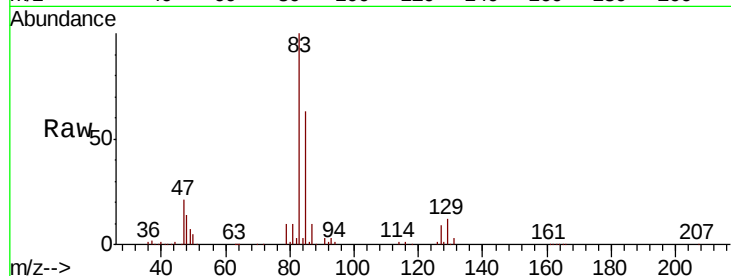
Tot Ion: 83 Resp: 439744

Ion Ratio Lower Upper

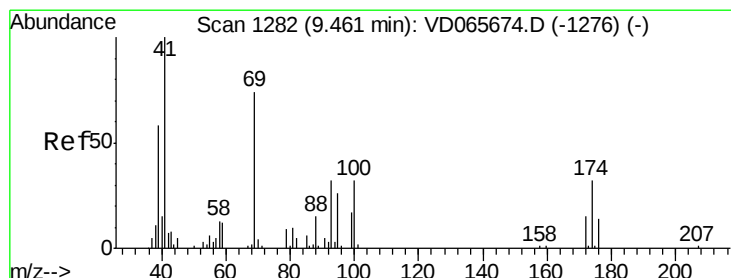
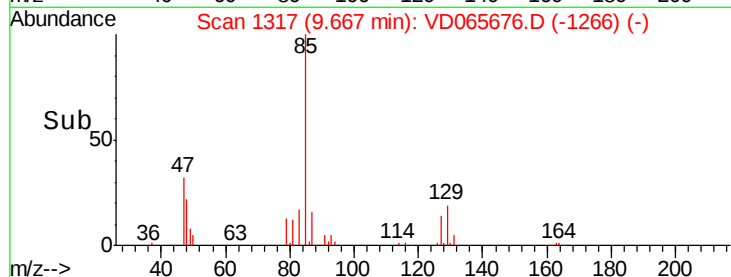
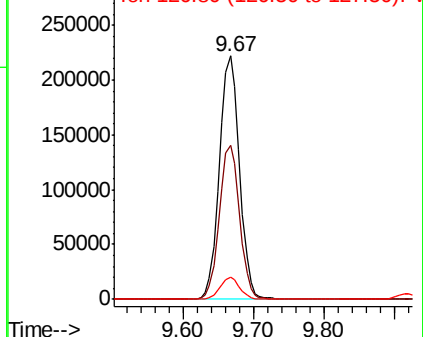
83 100

85 63.5 51.0 76.6

127 8.9 7.1 10.7



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: 170.988 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

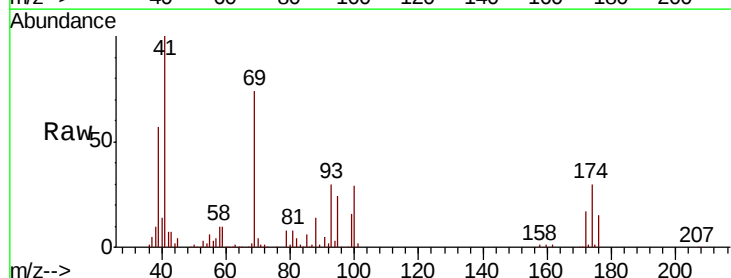
Tgt Ion: 41 Resp: 185057

Ion Ratio Lower Upper

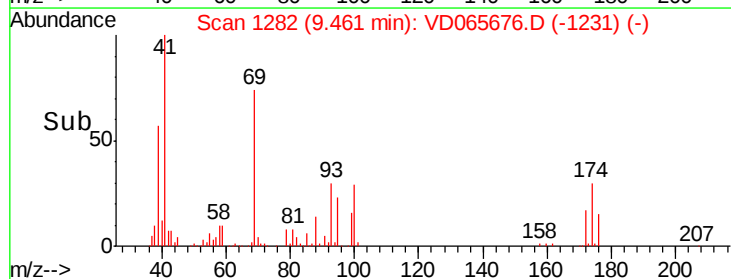
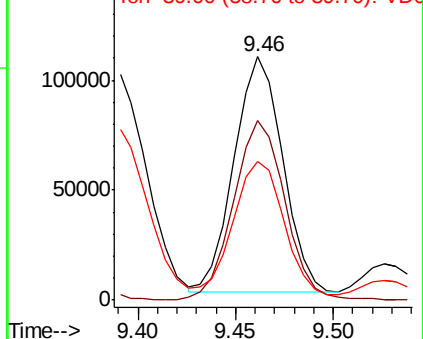
41 100

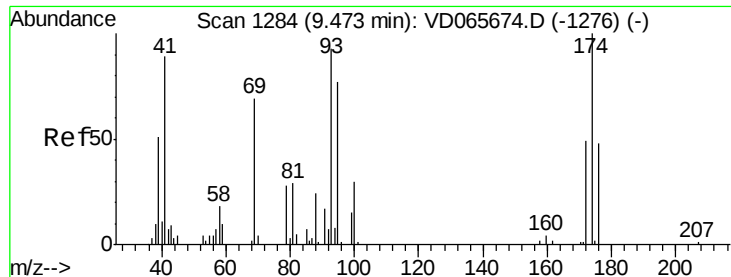
69 81.2 62.4 93.6

39 63.6 48.9 73.3



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: 3392.510 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

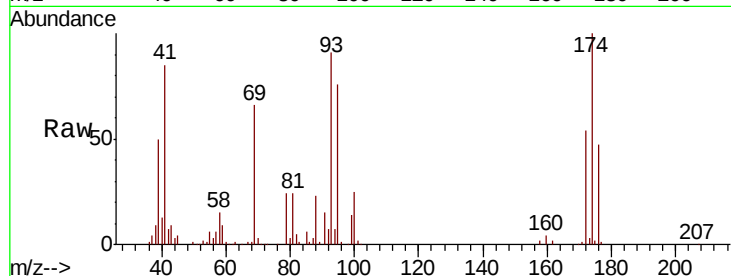
Tot Ion: 88 Resp: 40554

Ion Ratio Lower Upper

88 100

43 40.6 34.2 51.2

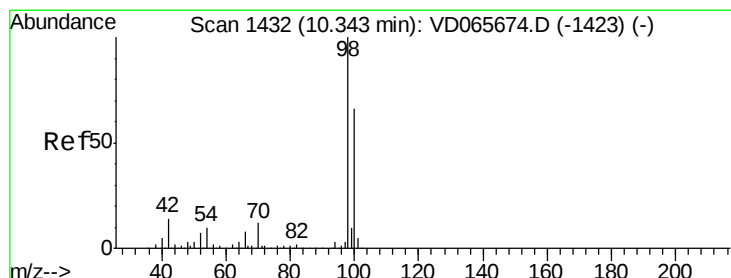
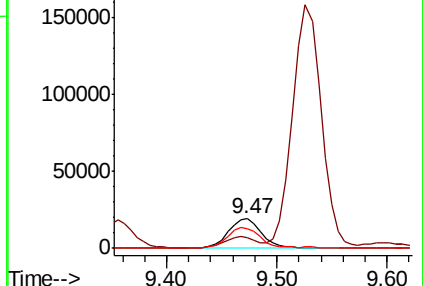
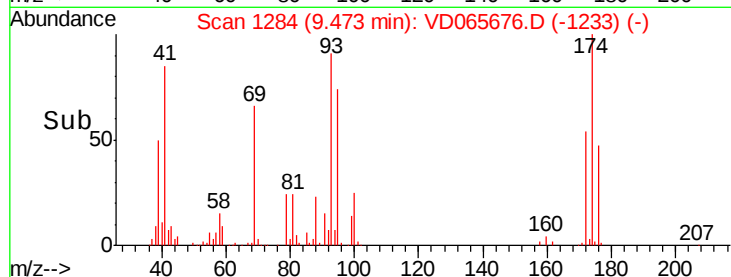
58 71.7 58.2 87.2



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: 150.263 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065676.D

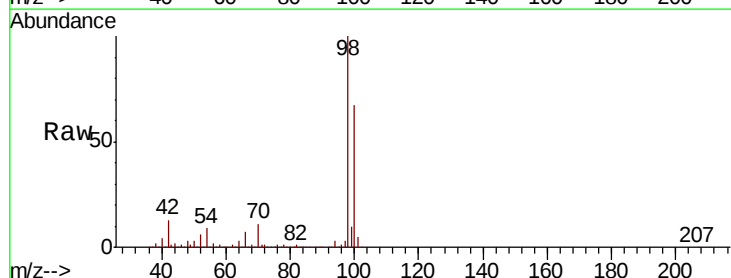
Acq: 24 Apr 2020 14:27

Tgt Ion: 98 Resp: 1041138

Ion Ratio Lower Upper

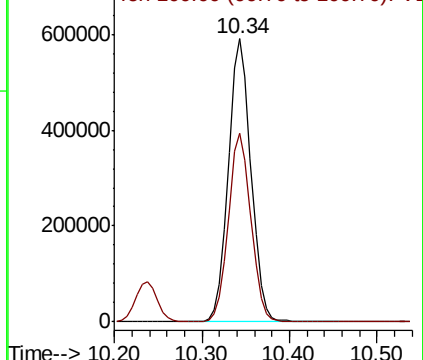
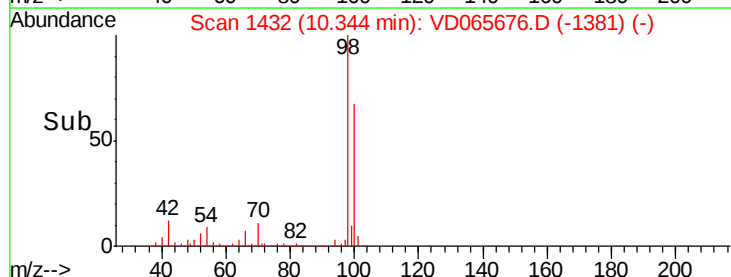
98 100

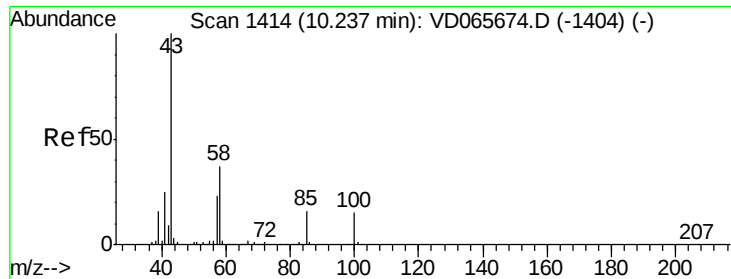
100 66.6 52.2 78.4



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: 847.546 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

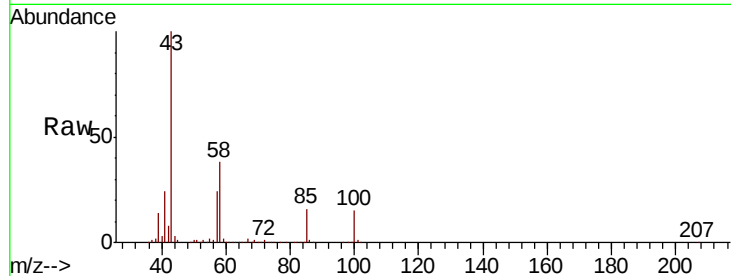
VSTDIC150

Tot Ion: 43 Resp: 974851

Ion Ratio Lower Upper

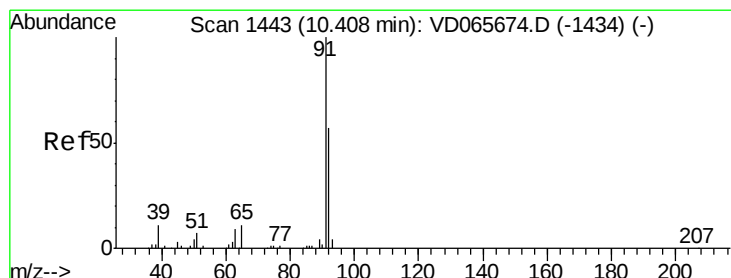
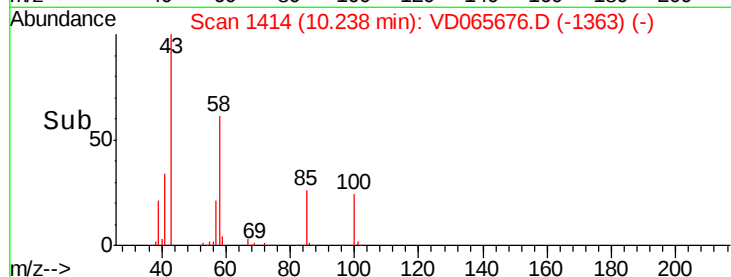
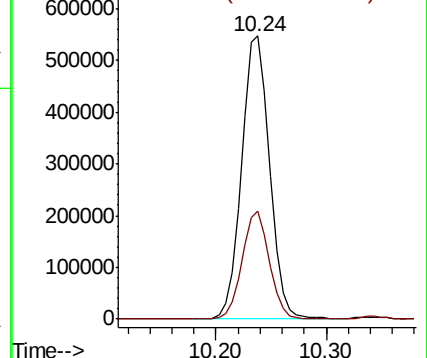
43 100

58 37.1 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 164.107 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065676.D

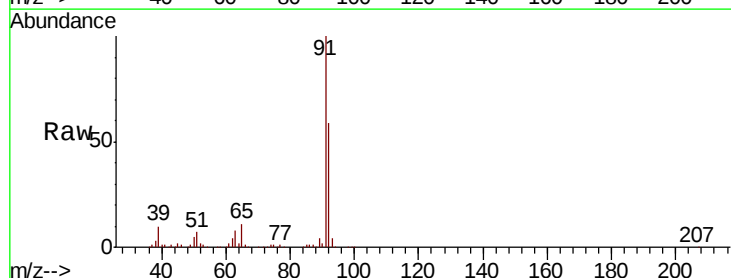
Acq: 24 Apr 2020 14:27

Tgt Ion: 92 Resp: 848731

Ion Ratio Lower Upper

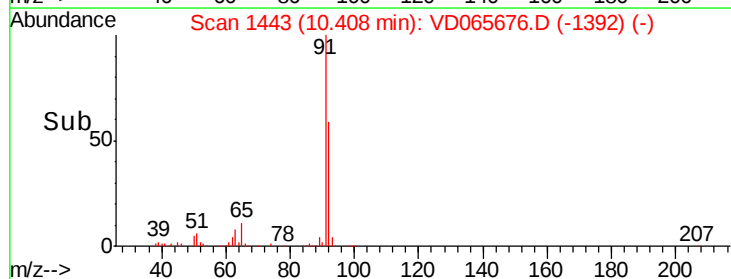
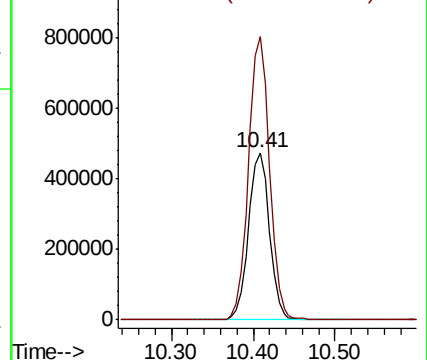
92 100

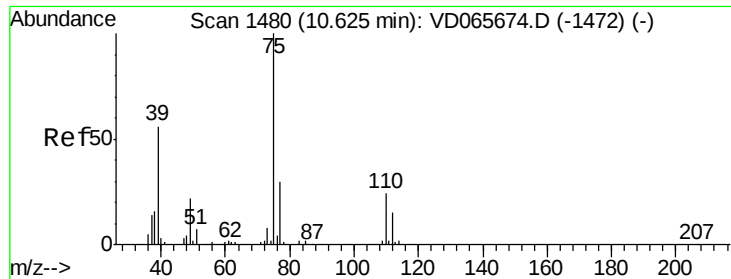
91 170.0 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 165.666 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

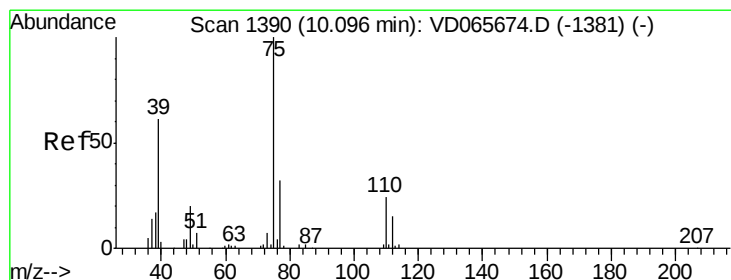
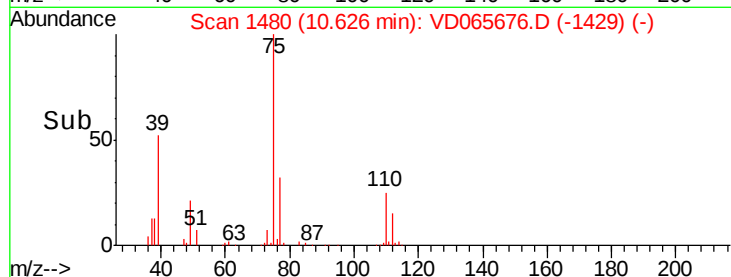
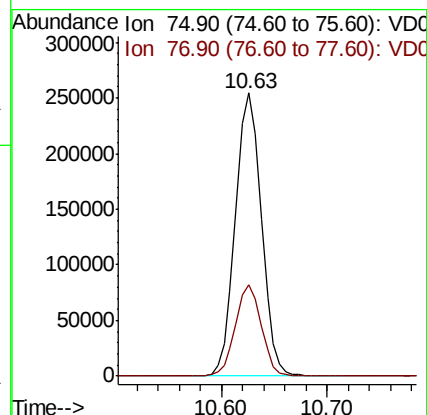
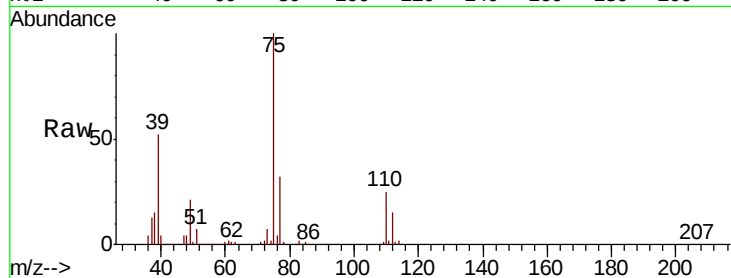
VSTDIC150

Tot Ion: 75 Resp: 434654

Ion Ratio Lower Upper

75 100

77 32.4 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 160.812 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

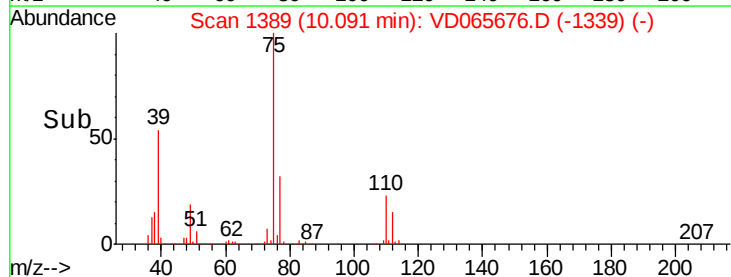
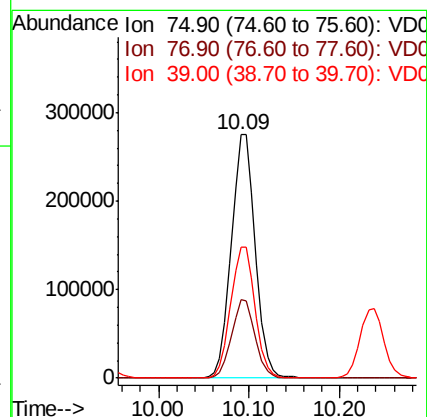
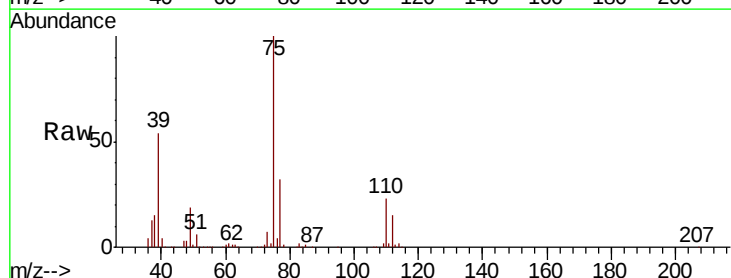
Tgt Ion: 75 Resp: 507281

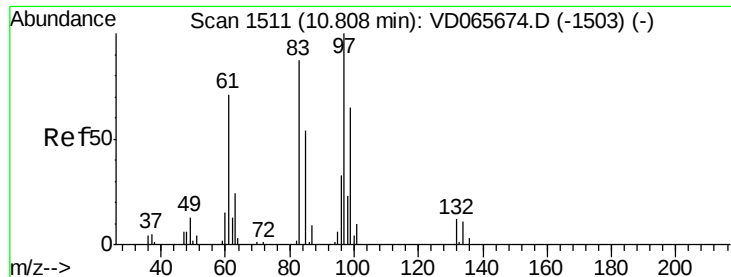
Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0

39 53.8 48.5 72.7

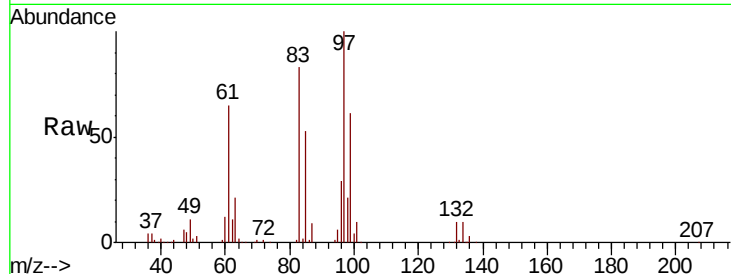




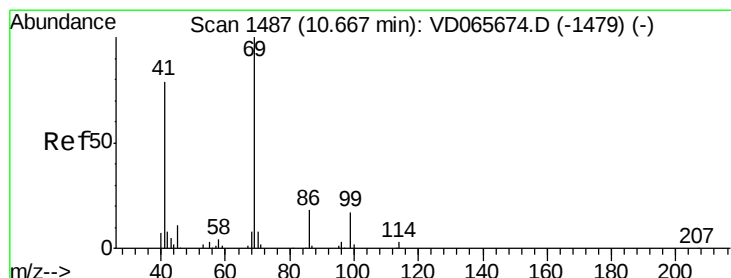
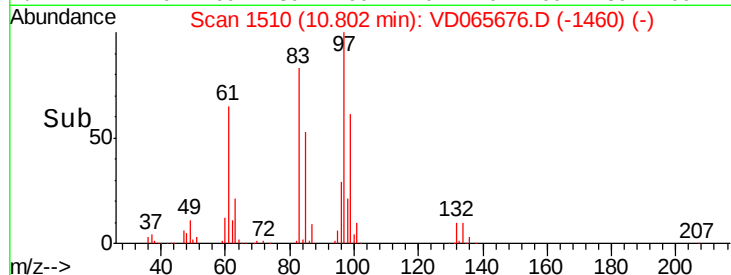
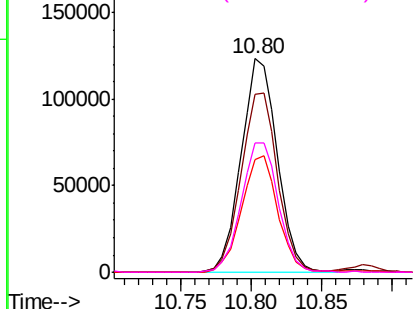
#55
 1,1,2-Trichloroethane
 Concen: 143.847 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	221861
Ion	Ratio	Lower	Upper
97	100		
83	83.2	69.6	104.4
85	53.0	43.5	65.3
99	60.6	51.7	77.5

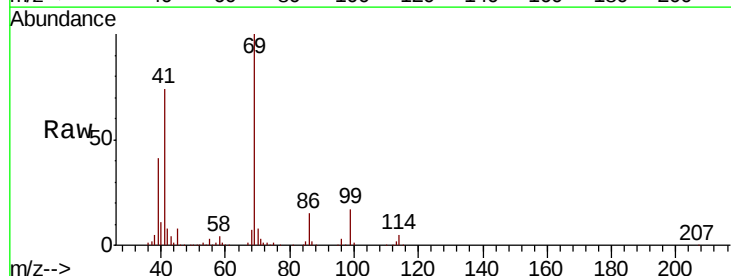


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

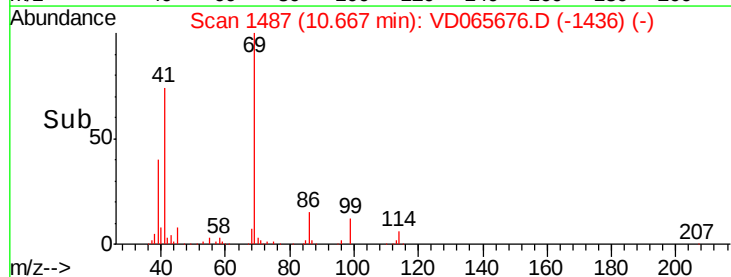
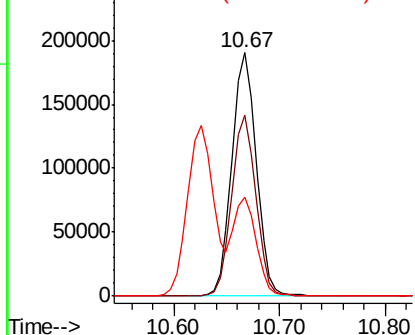


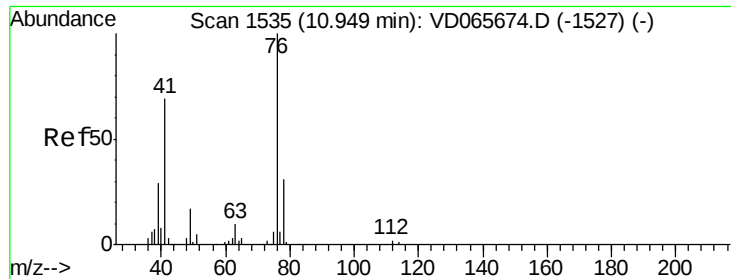
#56
 Ethyl methacrylate
 Concen: 195.956 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

Tgt Ion:	69	Resp:	303496
Ion	Ratio	Lower	Upper
69	100		
41	73.2	62.3	93.5
39	38.3	34.4	51.6



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

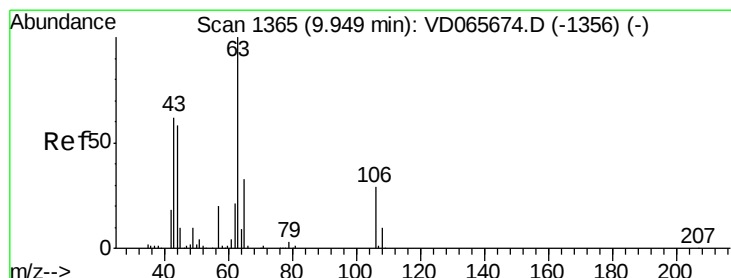
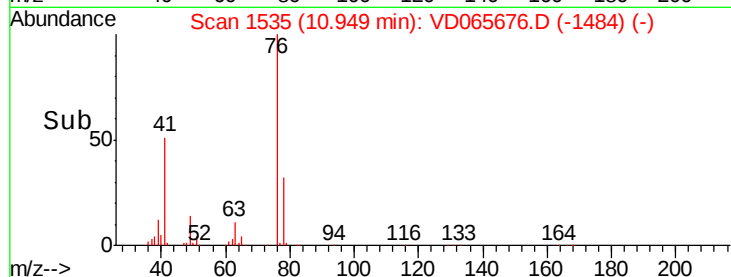
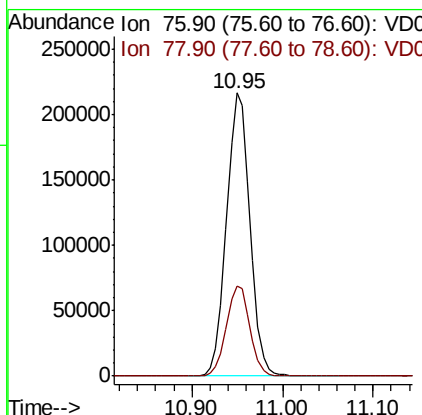
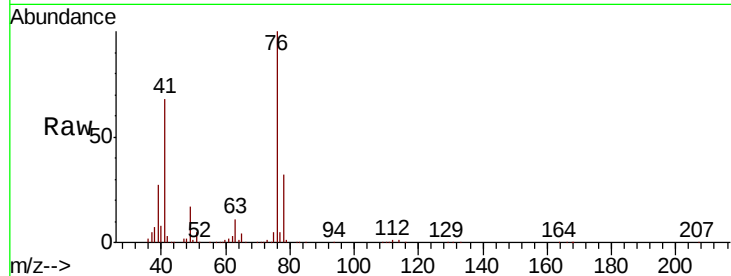




#57
 1,3-Dichloropropane
 Concen: 149.998 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

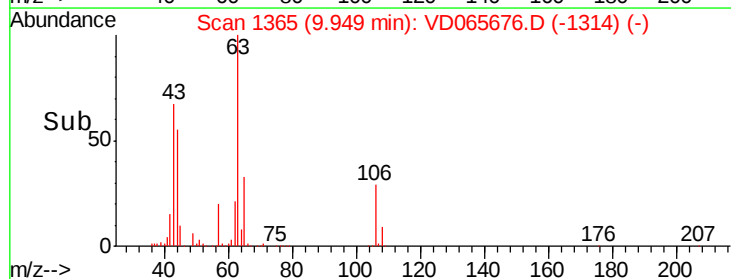
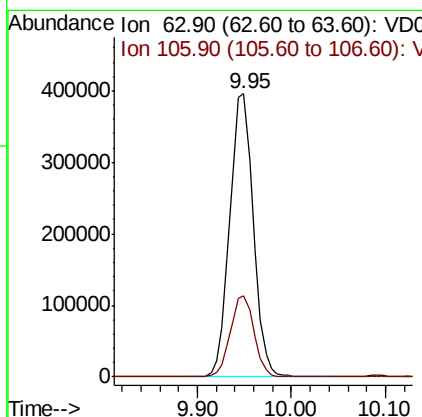
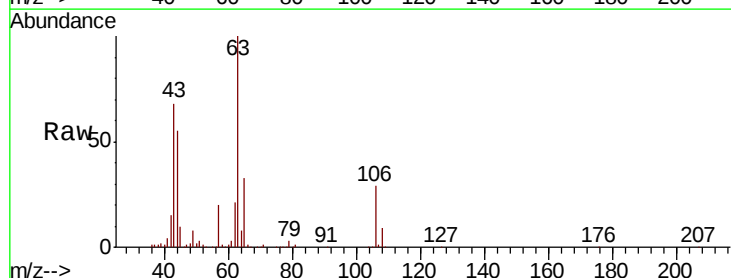
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

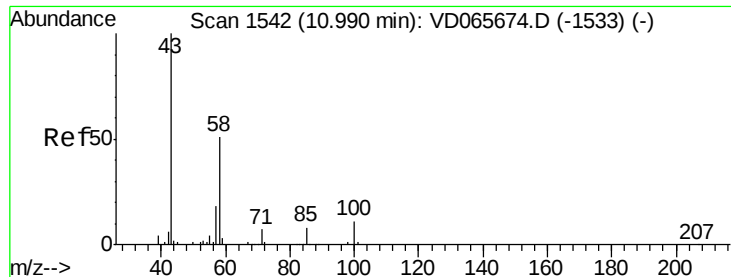
Tot Ion: 76 Resp: 388191
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 878.482 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

Tgt Ion: 63 Resp: 691825
 Ion Ratio Lower Upper
 63 100
 106 28.7 22.9 34.3

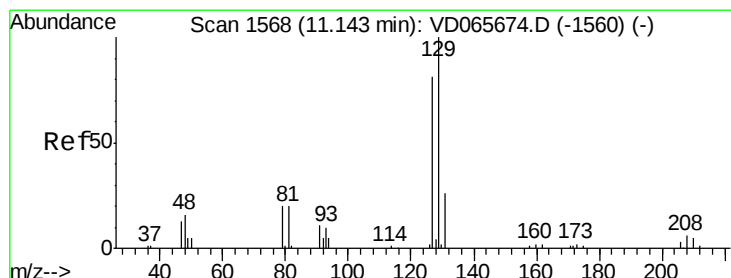
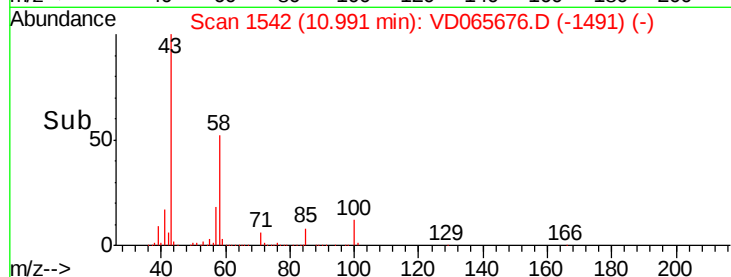
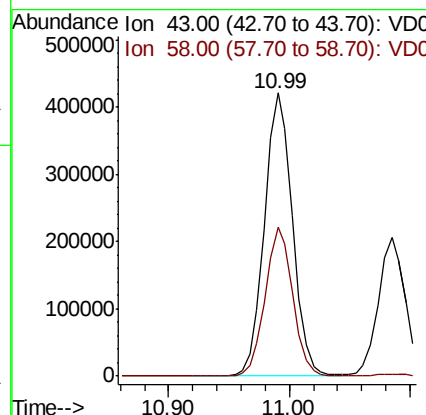
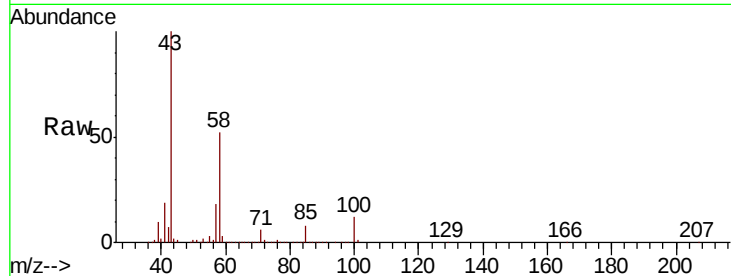




#59
2-Hexanone
Concen: 867.643 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

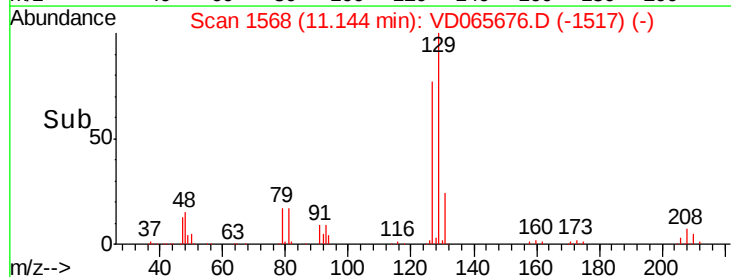
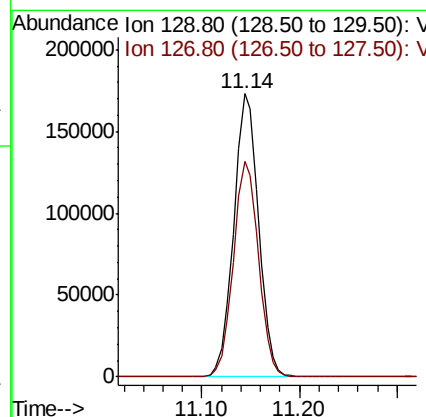
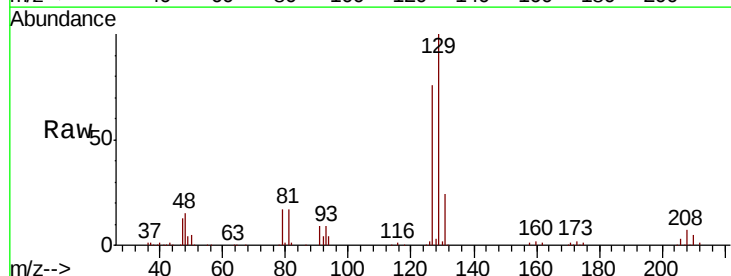
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

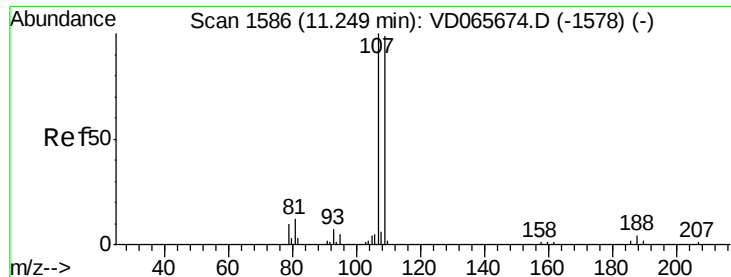
Tot Ion: 43 Resp: 681748
Ion Ratio Lower Upper
43 100
58 51.7 24.9 74.7



#60
Dibromochloromethane
Concen: 148.243 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

Tgt Ion: 129 Resp: 305637
Ion Ratio Lower Upper
129 100
127 77.2 39.5 118.5





#61

1,2-Dibromoethane

Concen: 153.148 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

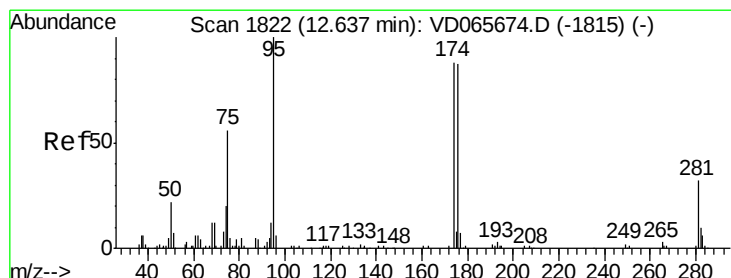
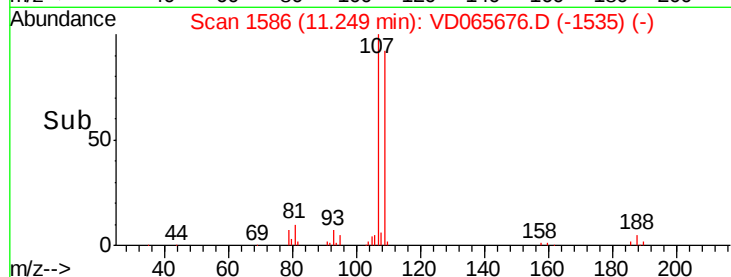
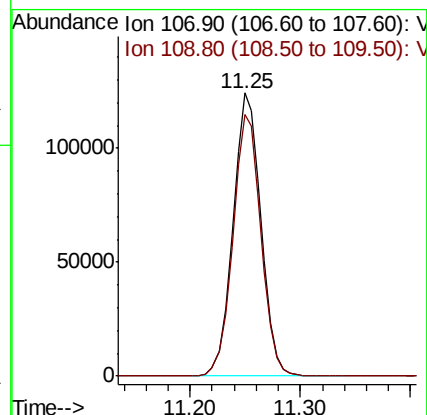
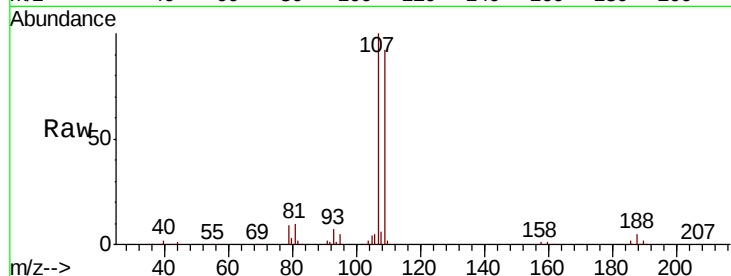
VSTDIC150

Tot Ion:107 Resp: 219206

Ion Ratio Lower Upper

107 100

109 93.2 77.2 115.8



#62

4-Bromofluorobenzene

Concen: 153.467 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

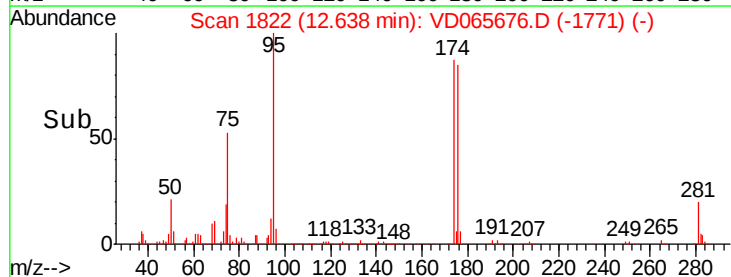
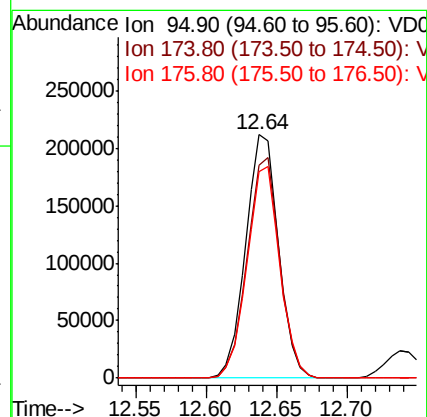
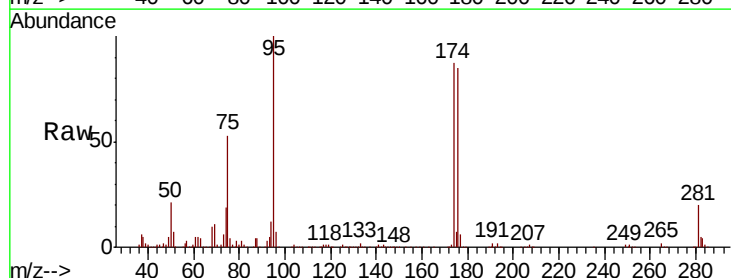
Tgt Ion: 95 Resp: 345882

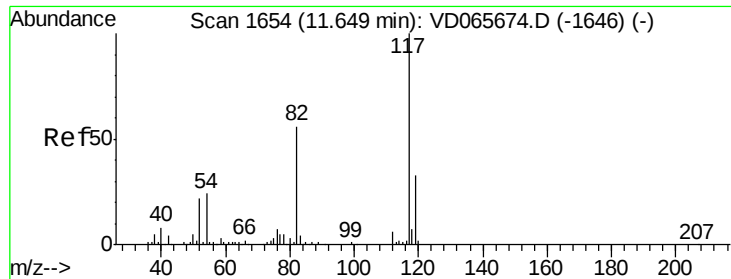
Ion Ratio Lower Upper

95 100

174 89.9 0.0 181.0

176 86.6 0.0 178.0

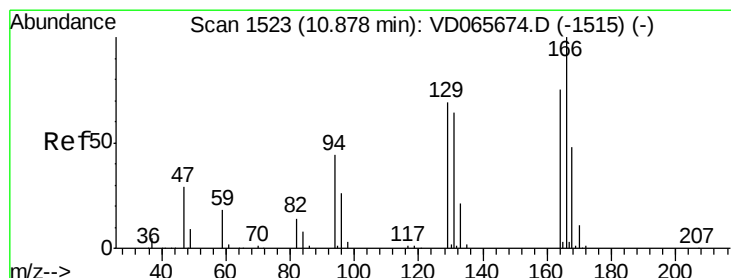
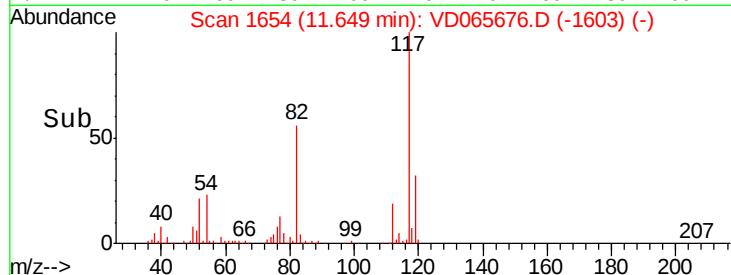
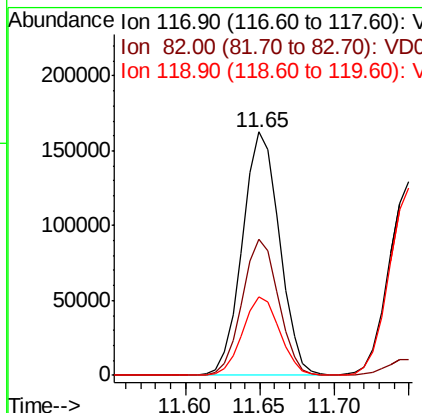
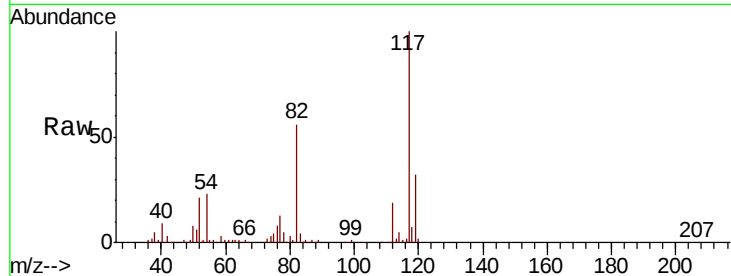




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

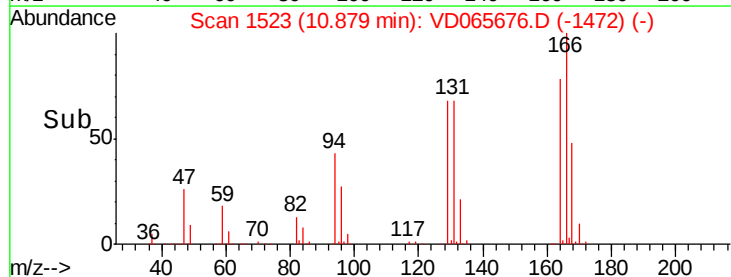
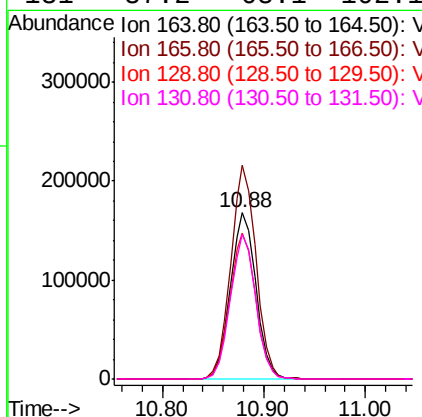
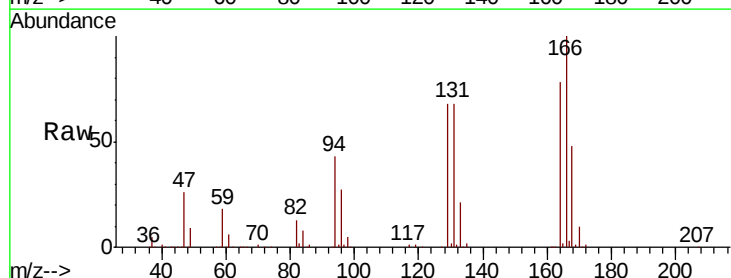
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

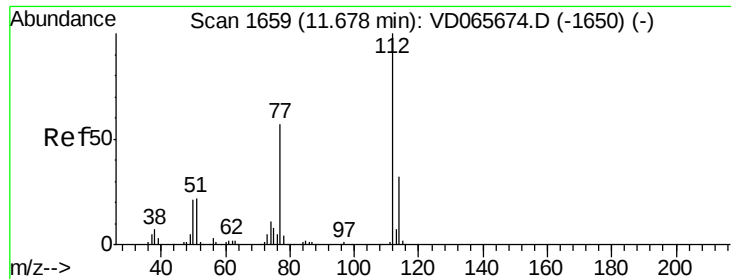
Tot Ion:117 Resp: 280472
Ion Ratio Lower Upper
117 100
82 56.1 44.6 67.0
119 32.2 26.2 39.2



#64
Tetrachloroethene
Concen: 135.875 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

Tgt Ion:164 Resp: 294878
Ion Ratio Lower Upper
164 100
166 128.4 106.1 159.1
129 87.9 73.0 109.4
131 87.2 68.1 102.1

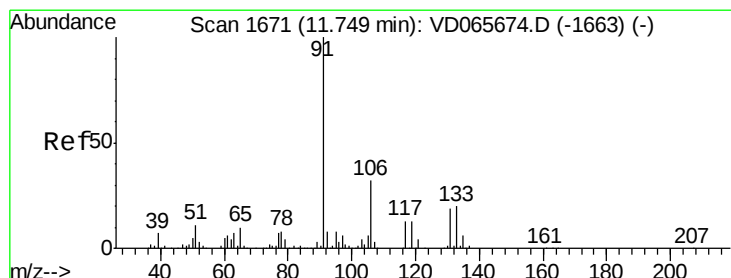
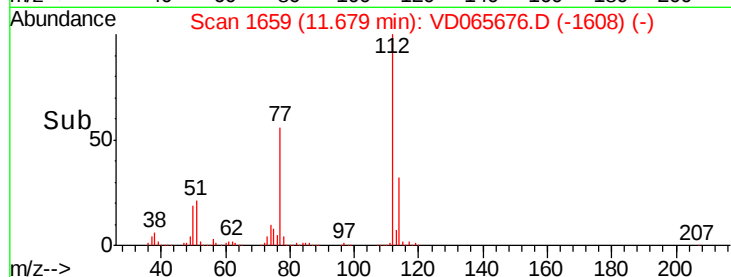
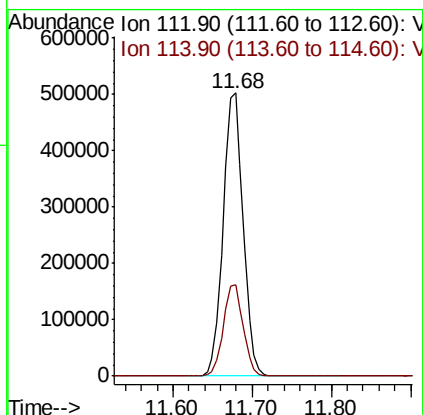
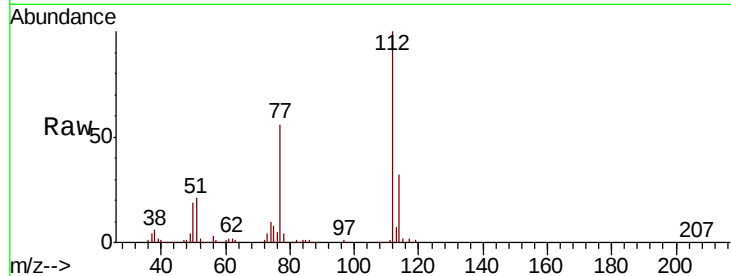




#65
Chlorobenzene
Concen: 145.544 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

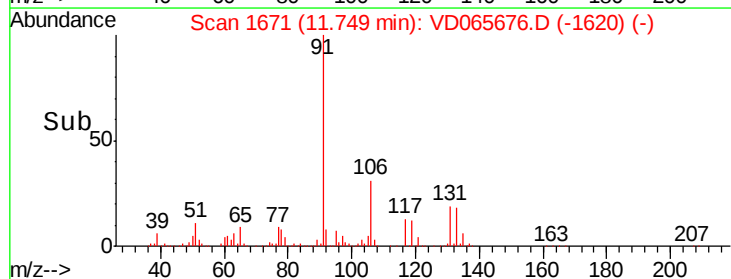
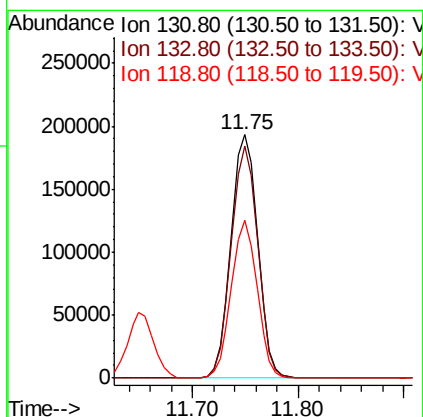
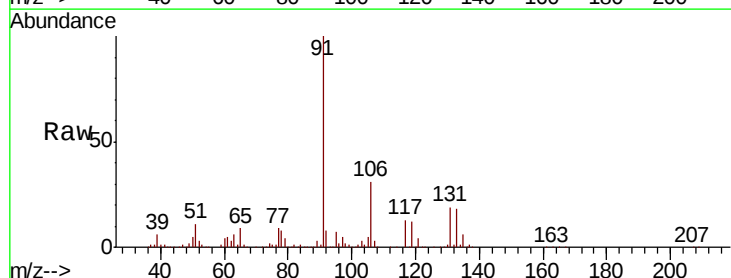
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

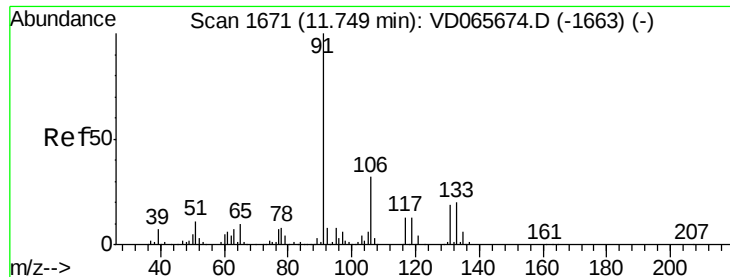
Tot Ion:112 Resp: 875106
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 145.100 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

Tgt Ion:131 Resp: 338384
Ion Ratio Lower Upper
131 100
133 94.9 48.9 146.7
119 63.1 32.6 97.7





#67

Ethyl Benzene

Concen: 161.961 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

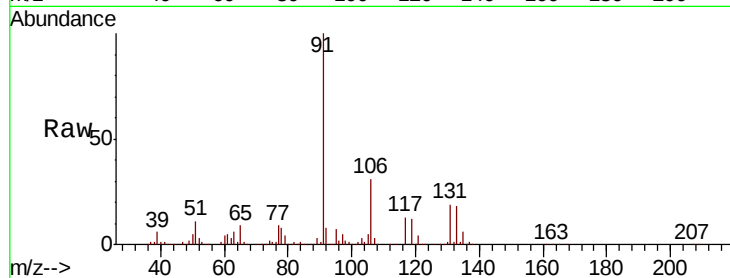
VSTDIC150

Tot Ion: 91 Resp: 1627903

Ion Ratio Lower Upper

91 100

106 31.4 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

1500000 Ion 106.00 (105.70 to 106.70): VDC

11.75

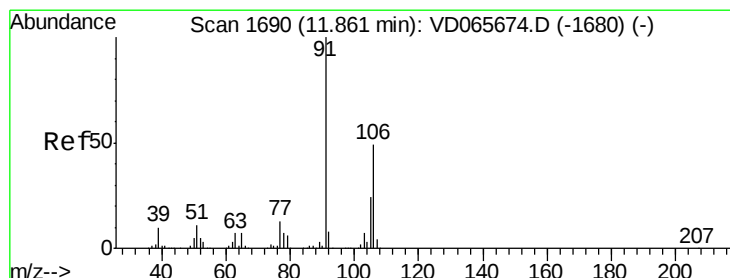
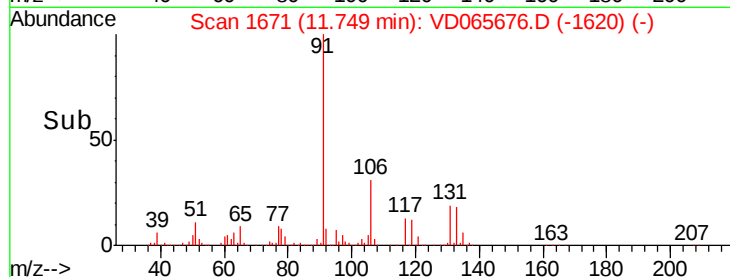
1000000

500000

0

Time-->

11.70 11.80



#68

m/p-Xylenes

Concen: 320.499 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065676.D

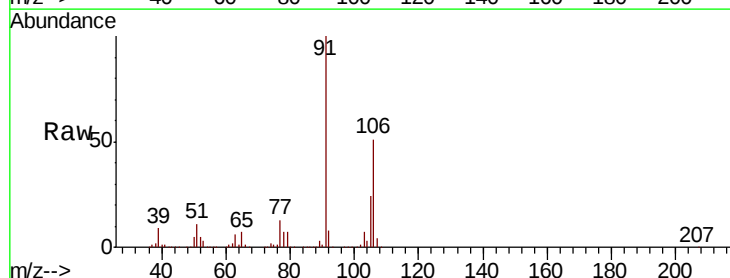
Acq: 24 Apr 2020 14:27

Tgt Ion: 106 Resp: 1254033

Ion Ratio Lower Upper

106 100

91 197.2 163.6 245.4



Abundance Ion 106.00 (105.70 to 106.70): VDC

1500000 Ion 91.00 (90.70 to 91.70): VDC

11.86

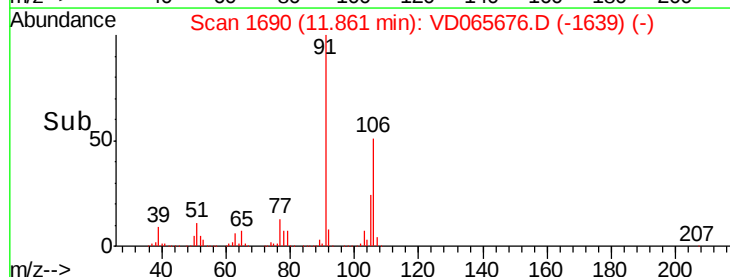
1000000

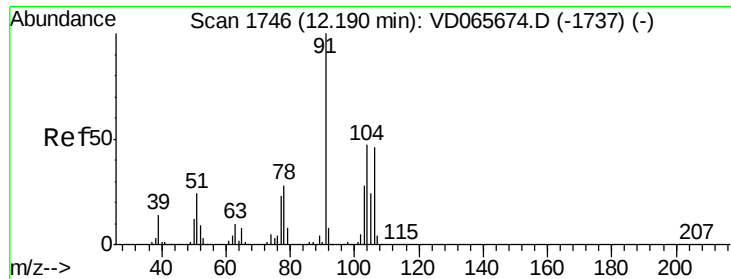
500000

0

Time-->

11.80 11.90 12.00

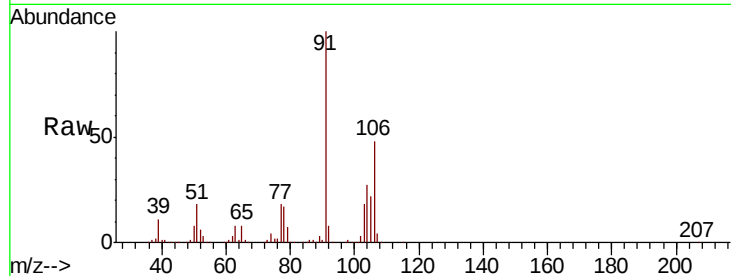




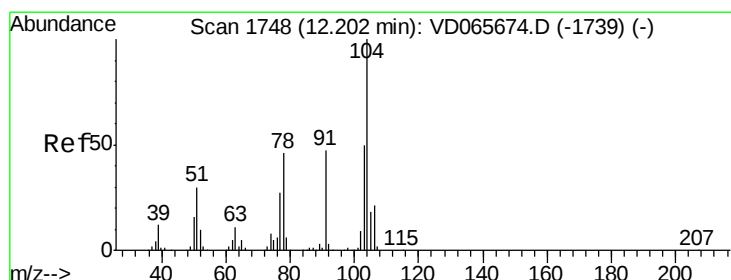
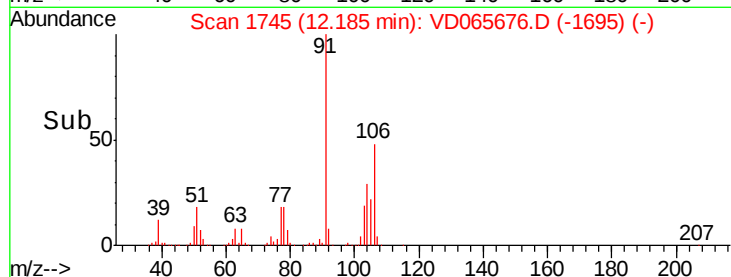
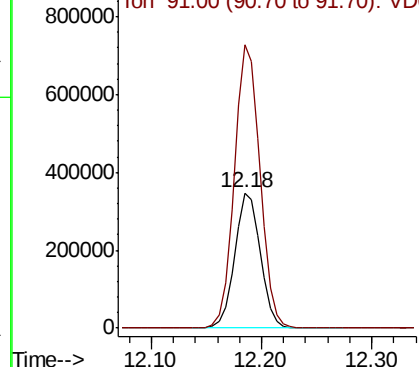
#69
o-Xylene
Concen: 169.744 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 564705
Ion Ratio Lower Upper
106 100
91 209.6 109.9 329.8

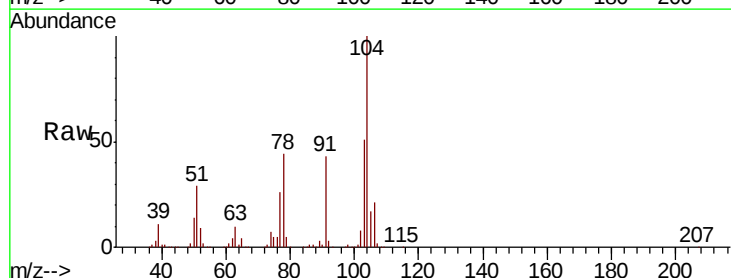


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

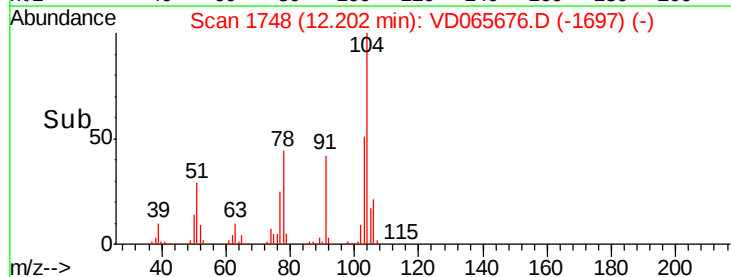
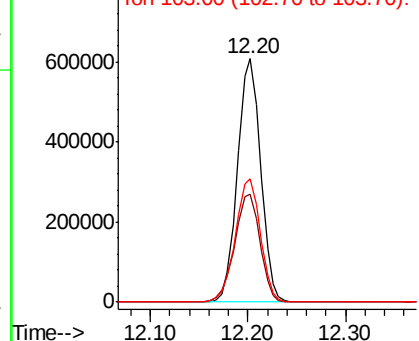


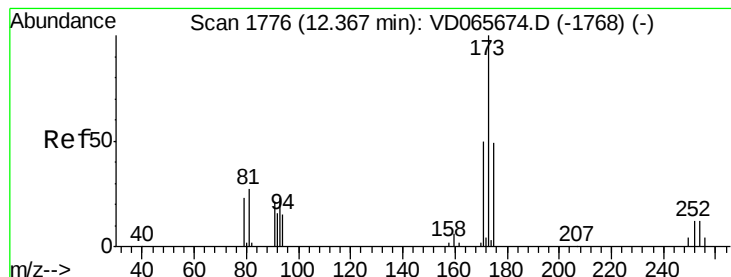
#70
Styrene
Concen: 167.388 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

Tgt Ion:104 Resp: 1007089
Ion Ratio Lower Upper
104 100
78 48.6 39.6 59.4
103 54.6 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 140.264 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

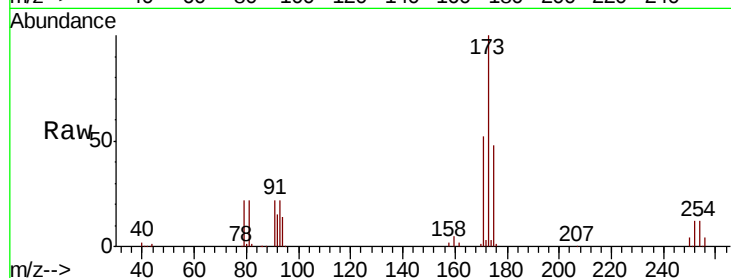
Tot Ion:173 Resp: 182857

Ion Ratio Lower Upper

173 100

175 48.4 24.3 73.0

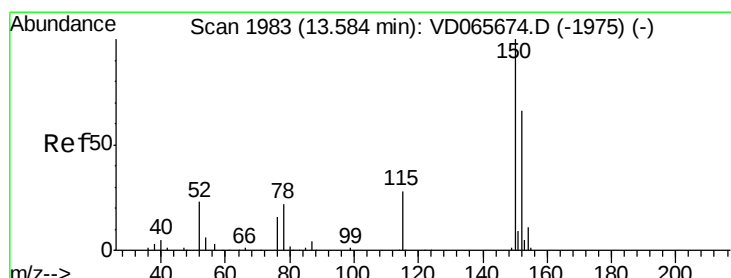
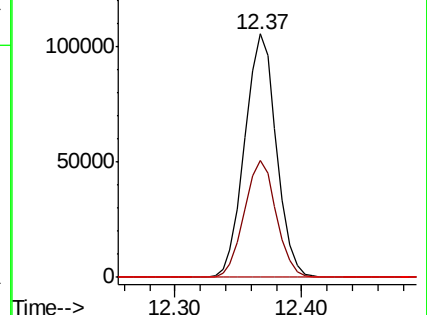
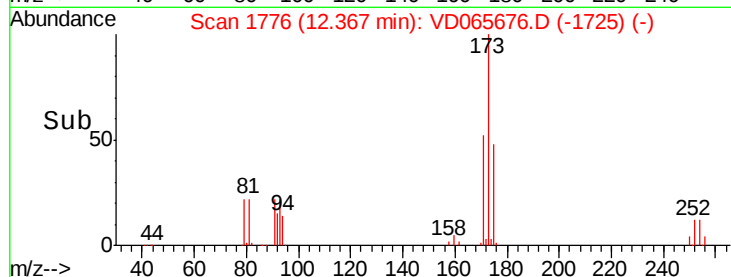
254 0.1 0.0 0.0#



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: VD065676.D

Acq: 24 Apr 2020 14:27

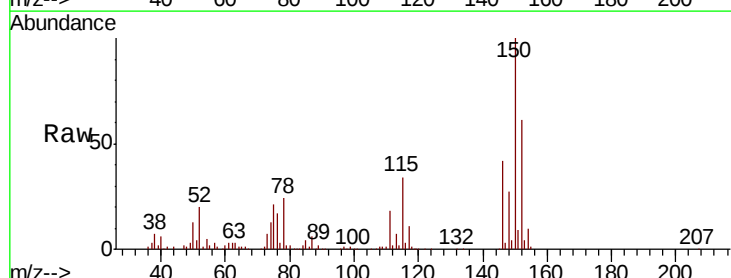
Tgt Ion:152 Resp: 146489

Ion Ratio Lower Upper

152 100

115 55.0 28.1 84.2

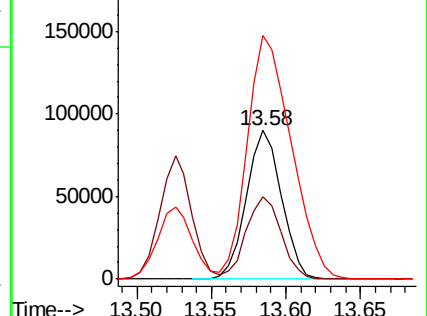
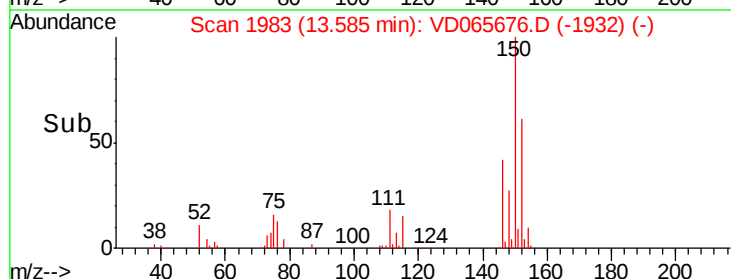
150 205.2 0.0 343.2

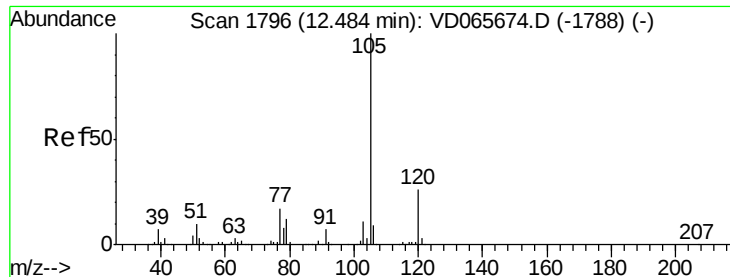


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 167.935 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

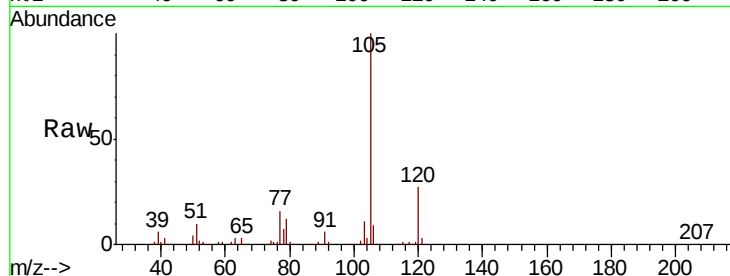
VSTDIC150

Tot Ion:105 Resp: 1506779

Ion Ratio Lower Upper

105 100

120 26.9 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

800000

600000

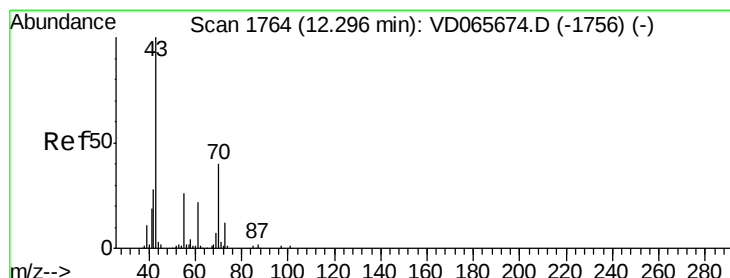
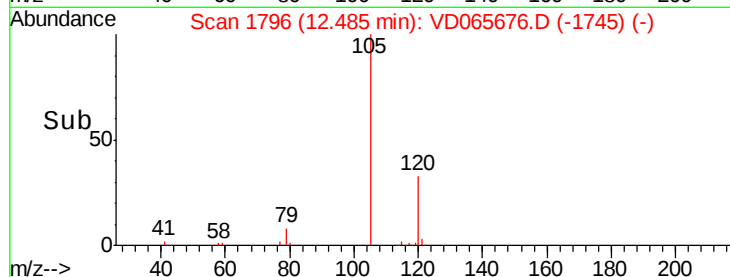
400000

200000

0

Time-->

12.40 12.50 12.60



#74

N-ethyl acetate

Concen: 176.402 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Tgt Ion: 43 Resp: 358294

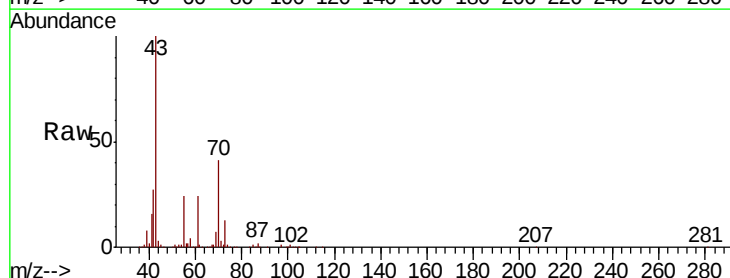
Ion Ratio Lower Upper

43 100

70 40.7 32.2 48.4

55 24.8 21.4 32.2

61 23.3 17.9 26.9



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

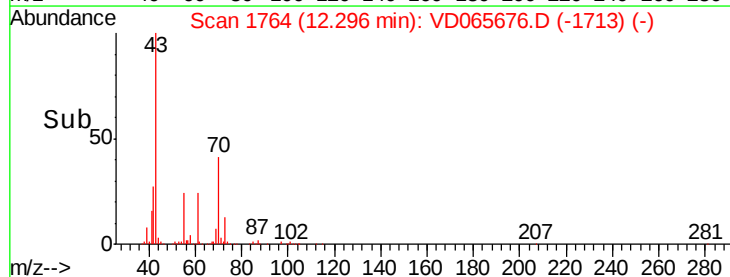
200000

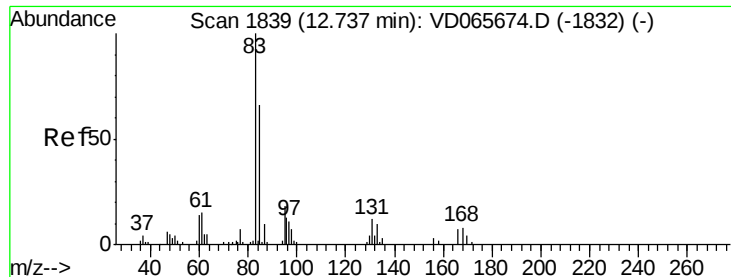
100000

0

Time-->

12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 137.832 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

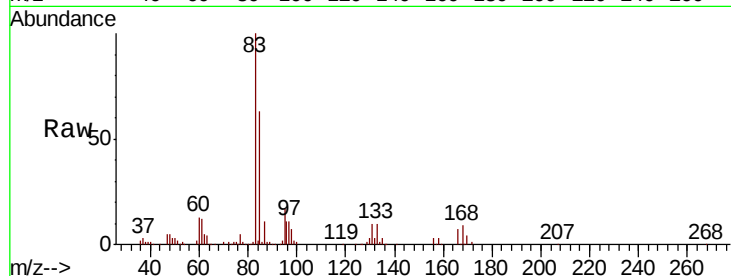
Tot Ion: 83 Resp: 236645

Ion Ratio Lower Upper

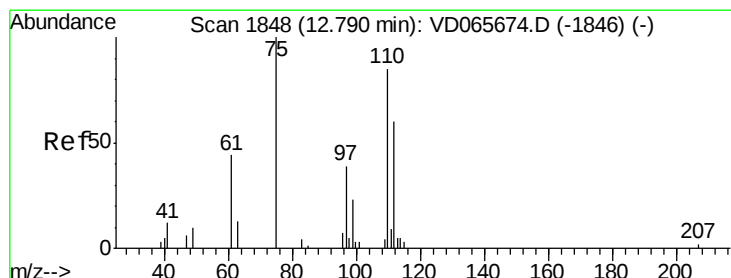
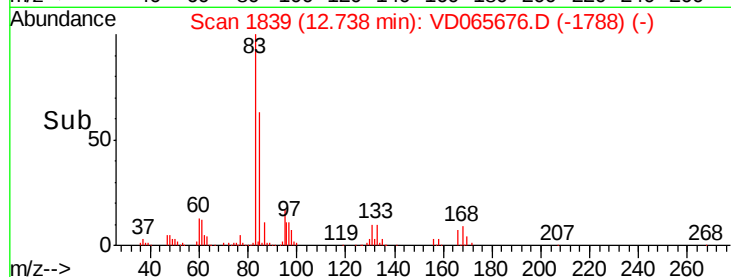
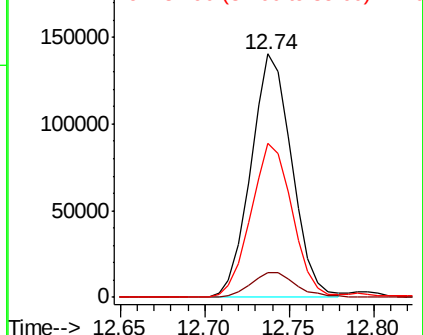
83 100

131 11.3 5.5 16.7

85 64.0 32.1 96.3



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: 149.882 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065676.D

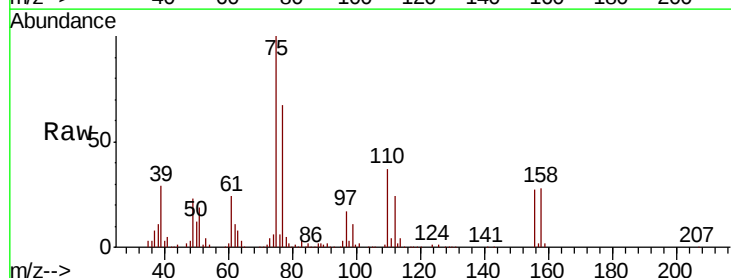
Acq: 24 Apr 2020 14:27

Tgt Ion: 75 Resp: 176629

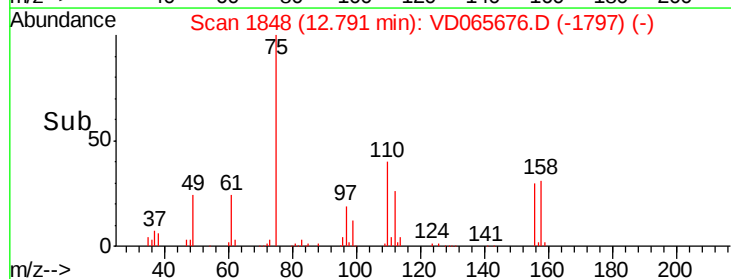
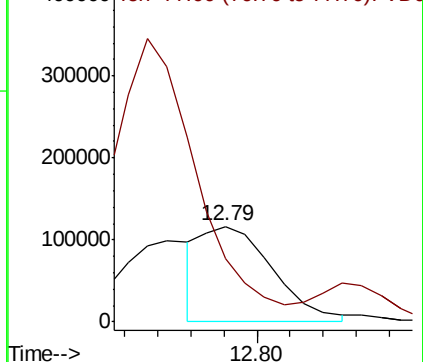
Ion Ratio Lower Upper

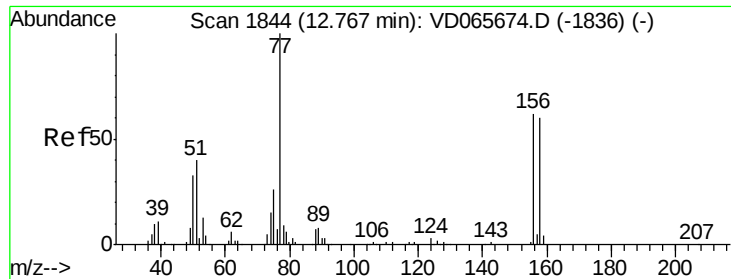
75 100

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: 150.242 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

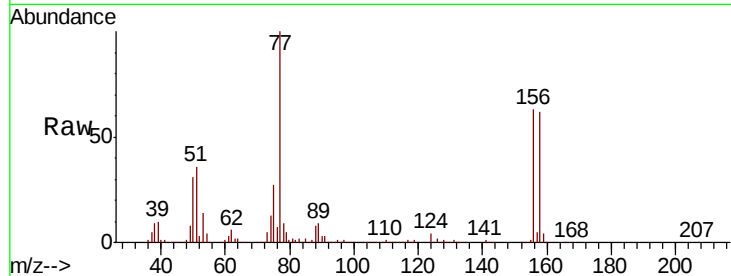
Tot Ion:156 Resp: 360692

Ion Ratio Lower Upper

156 100

77 172.4 87.3 261.9

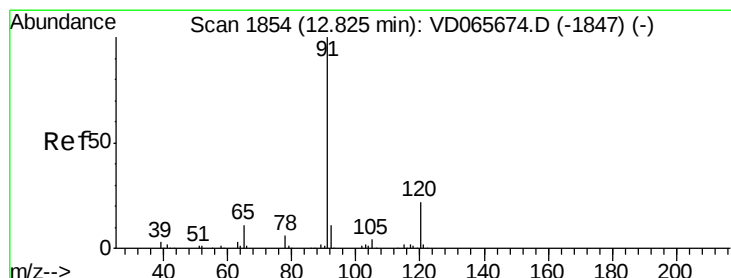
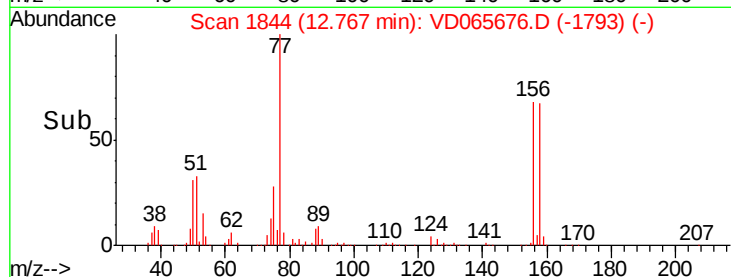
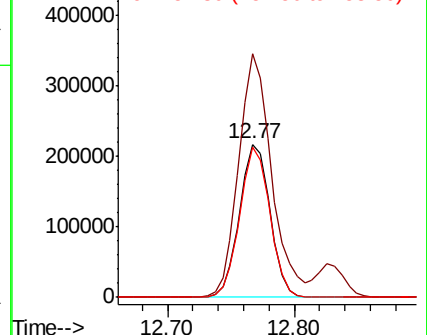
158 97.3 47.8 143.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 160.383 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065676.D

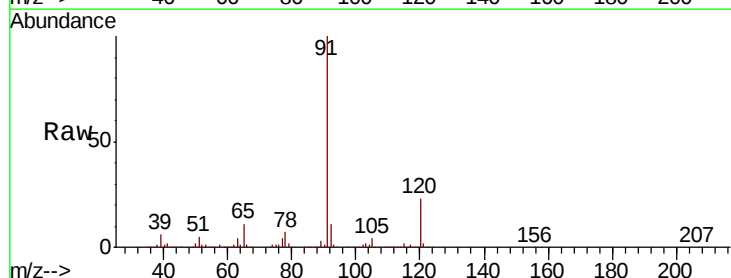
Acq: 24 Apr 2020 14:27

Tgt Ion: 91 Resp: 1786930

Ion Ratio Lower Upper

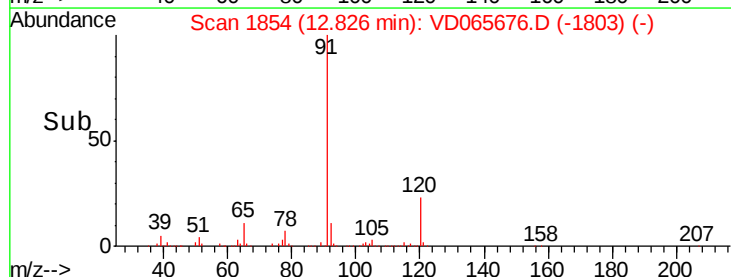
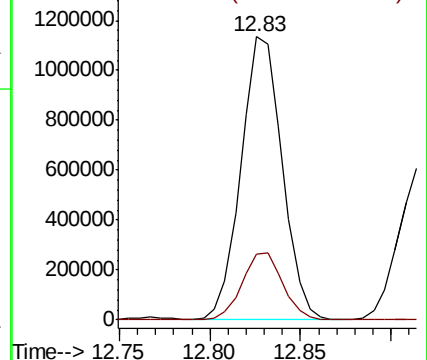
91 100

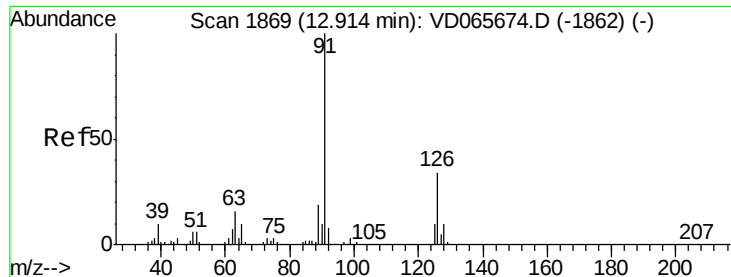
120 23.4 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 156.643 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

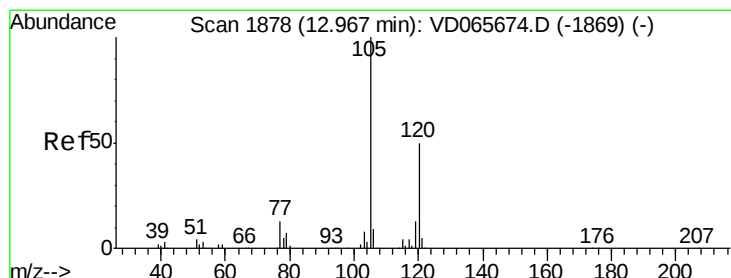
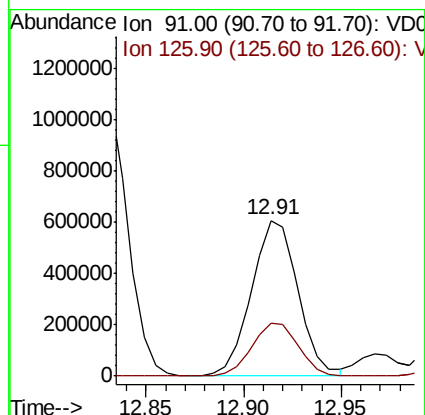
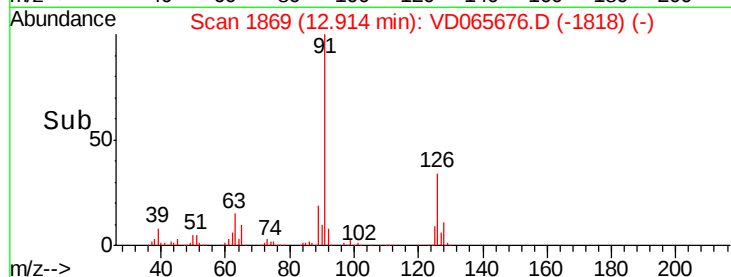
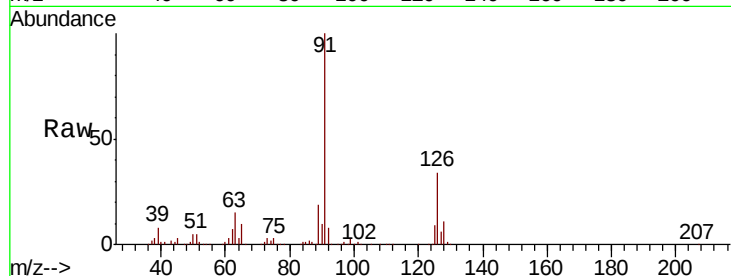
VSTDIC150

Tot Ion: 91 Resp: 999289

Ion Ratio Lower Upper

91 100

126 34.6 17.2 51.5



#80

1,3,5-Trimethylbenzene

Concen: 166.363 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065676.D

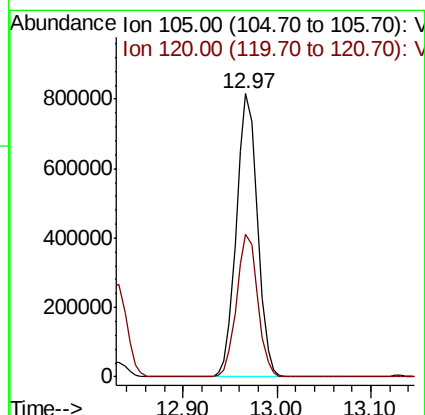
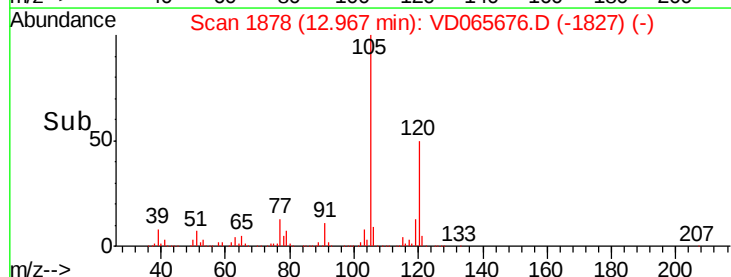
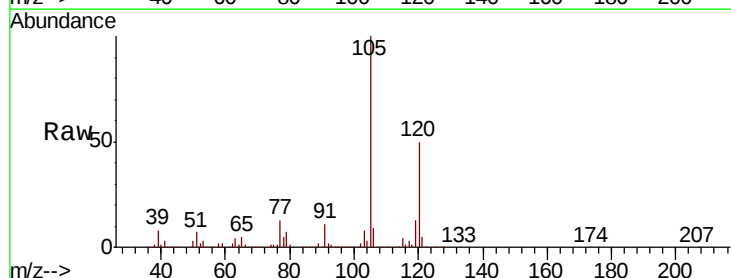
Acq: 24 Apr 2020 14:27

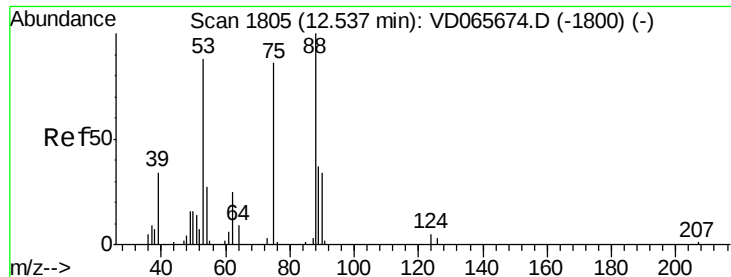
Tgt Ion:105 Resp: 1273250

Ion Ratio Lower Upper

105 100

120 50.4 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 160.157 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

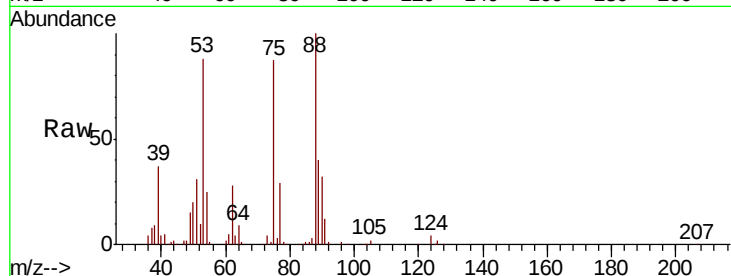
Tot Ion: 75 Resp: 86805

Ion Ratio Lower Upper

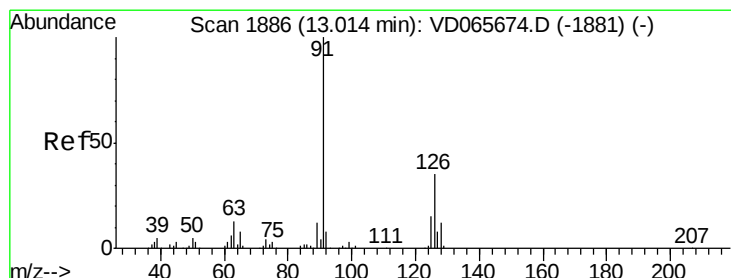
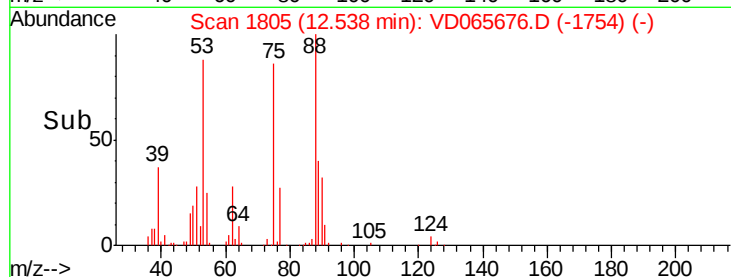
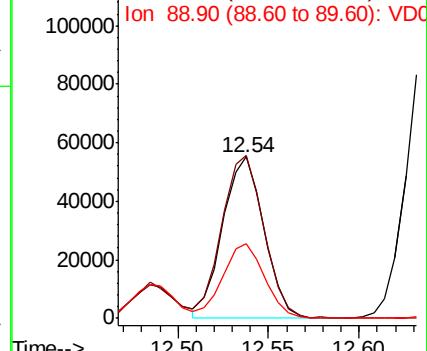
75 100

53 103.6 86.6 129.8

89 47.3 38.2 57.4



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



#82

4-Chlorotoluene

Concen: 153.646 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065676.D

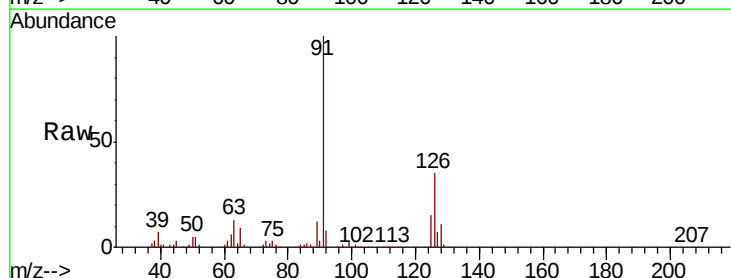
Acq: 24 Apr 2020 14:27

Tgt Ion: 91 Resp: 1060699

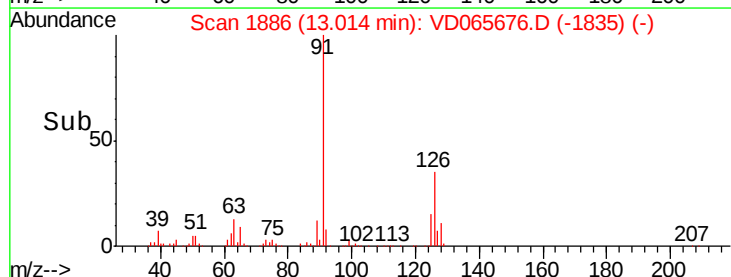
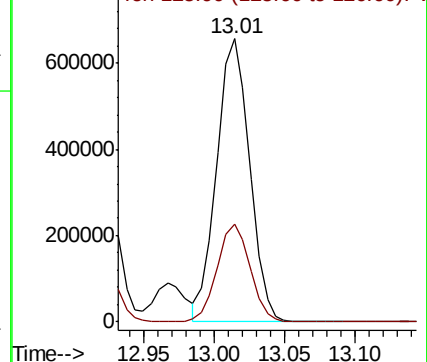
Ion Ratio Lower Upper

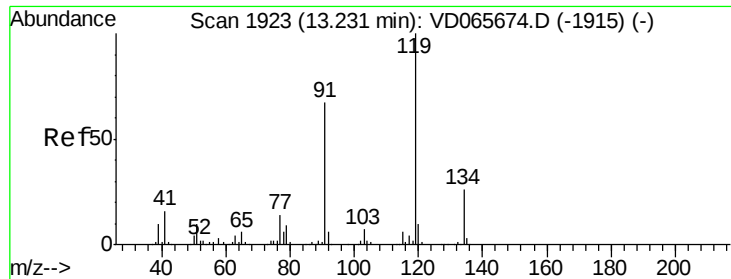
91 100

126 34.9 16.8 50.4



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

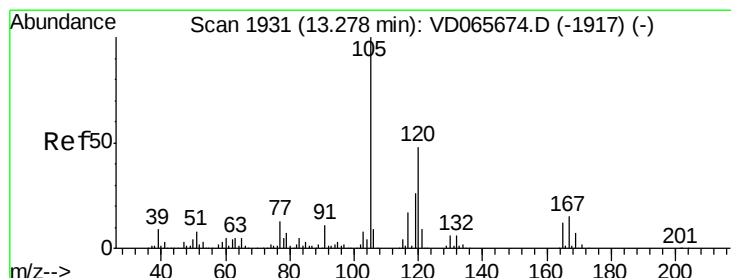
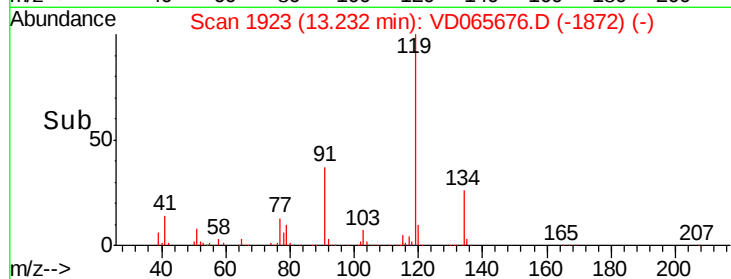
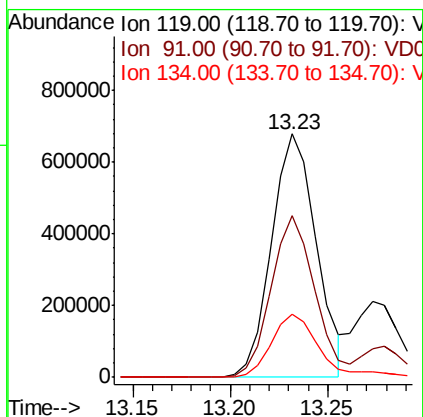
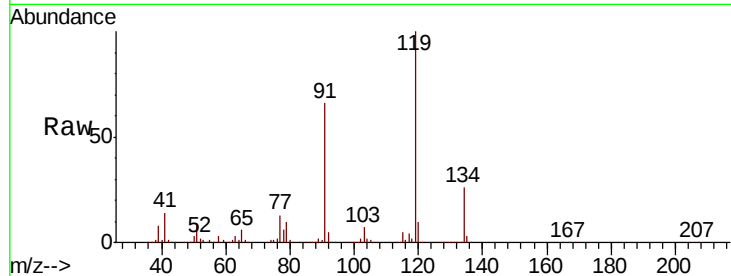




#83
tert-Butylbenzene
Concen: 173.661 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

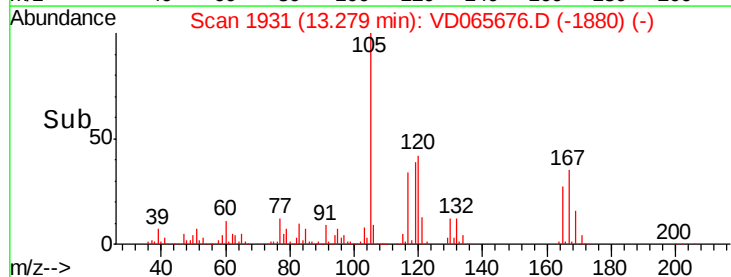
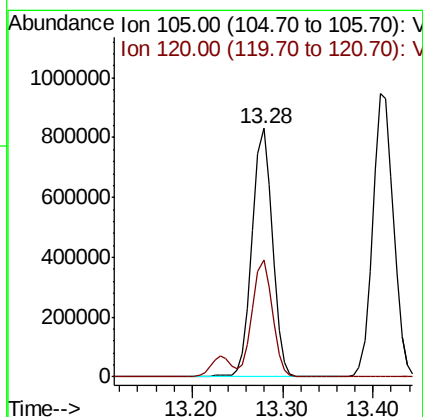
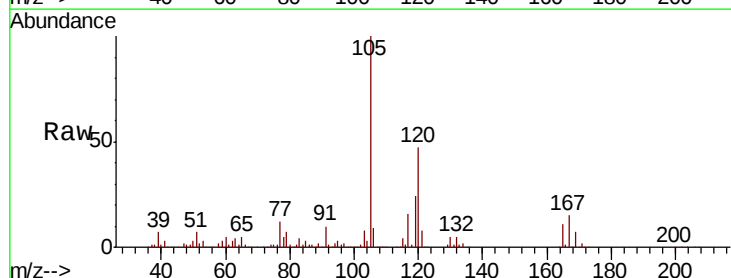
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

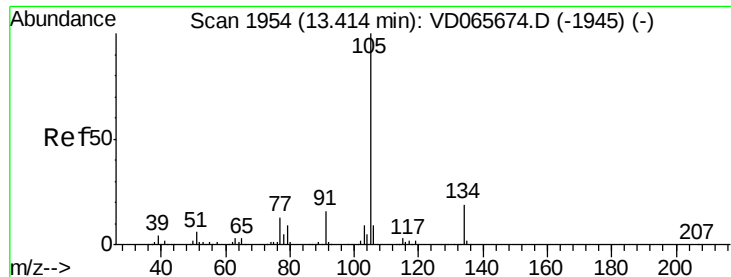
Tot Ion:119 Resp: 1079455
Ion Ratio Lower Upper
119 100
91 64.9 33.3 99.9
134 28.0 14.2 42.6



#84
1,2,4-Trimethylbenzene
Concen: 170.040 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065676.D
Acq: 24 Apr 2020 14:27

Tgt Ion:105 Resp: 1293878
Ion Ratio Lower Upper
105 100
120 46.5 23.2 69.5

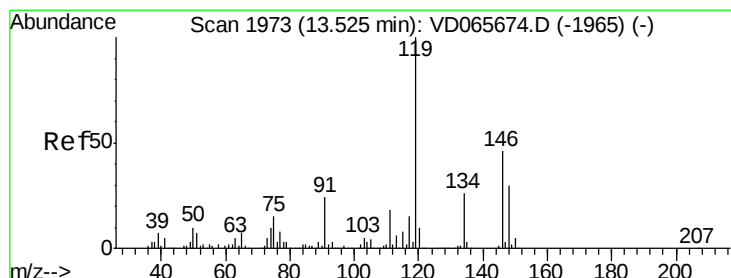
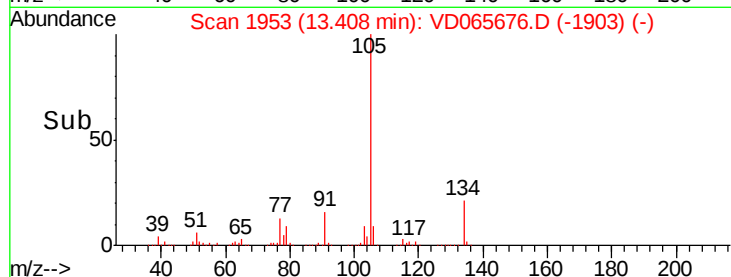
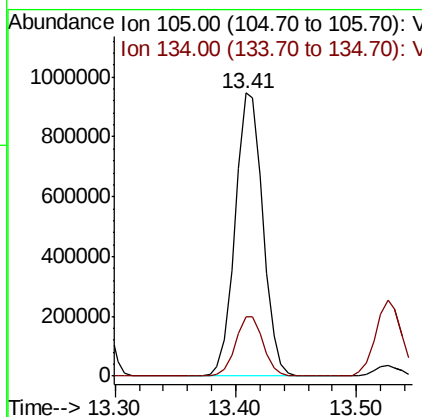
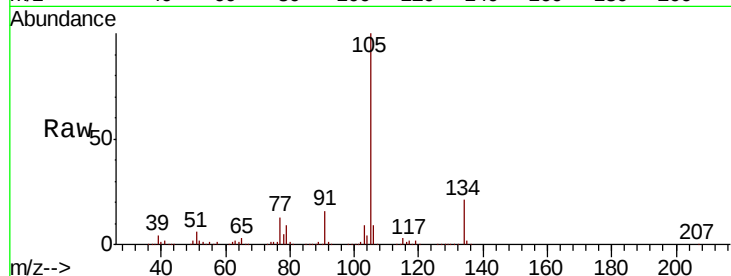




#85
 sec-Butylbenzene
 Concen: 166.940 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

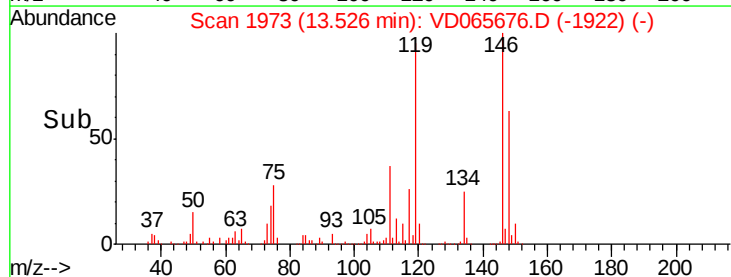
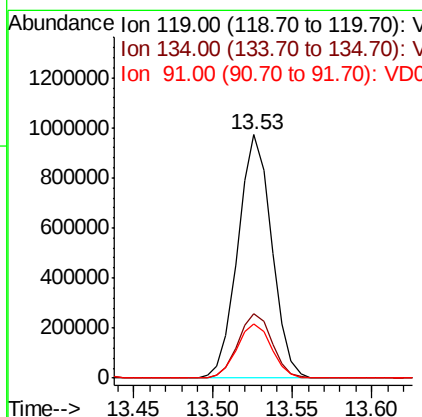
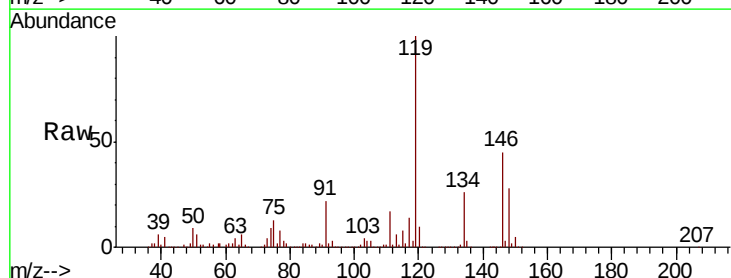
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

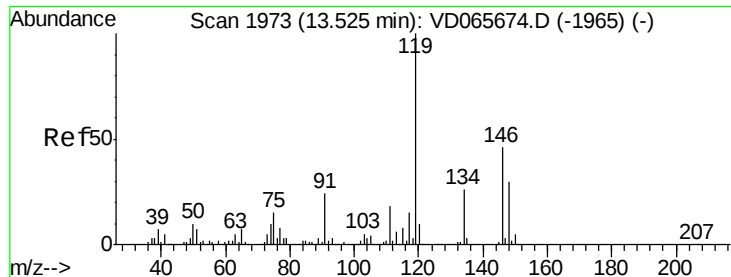
Tot Ion:105 Resp: 1512902
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 168.585 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

Tgt Ion:119 Resp: 1435891
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.2 39.5
 91 22.7 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 148.794 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

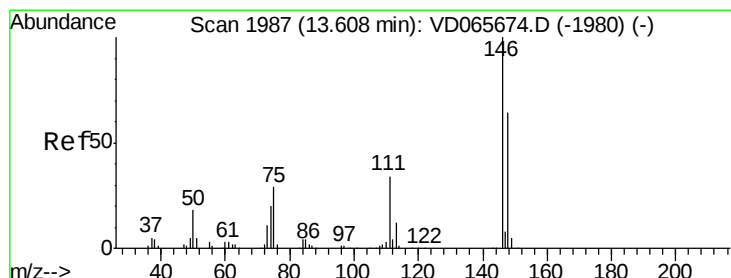
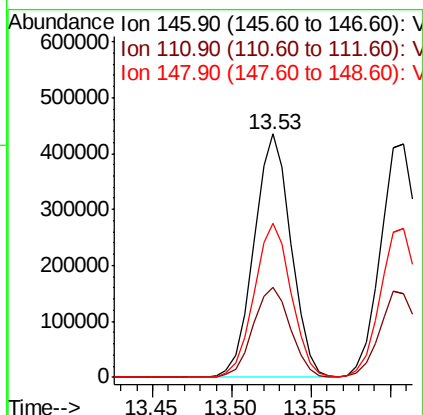
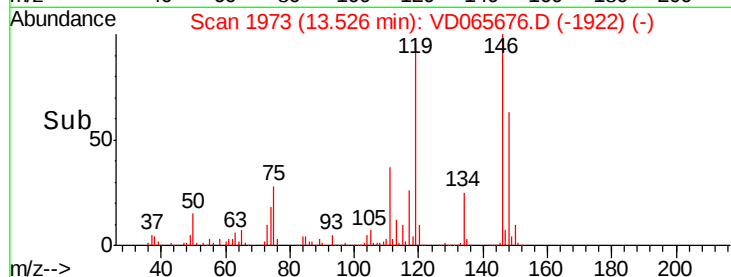
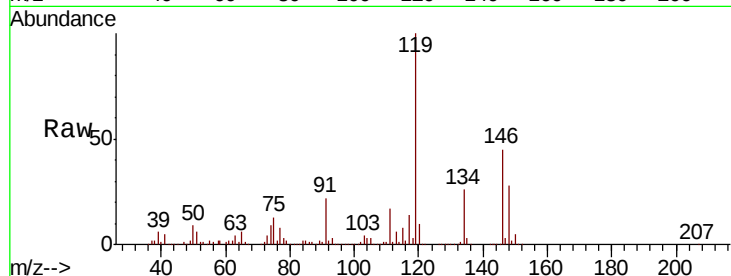
Tot Ion:146 Resp: 705596

Ion Ratio Lower Upper

146 100

111 37.5 19.3 57.9

148 63.5 32.6 97.8



#88

1,4-Dichlorobenzene

Concen: 144.859 ug/l

RT: 13.61 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

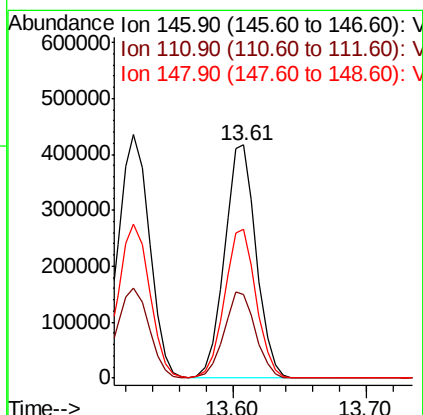
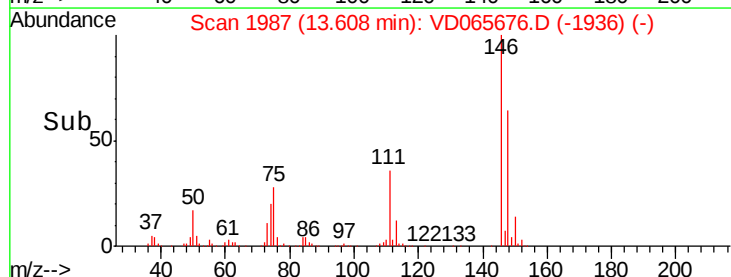
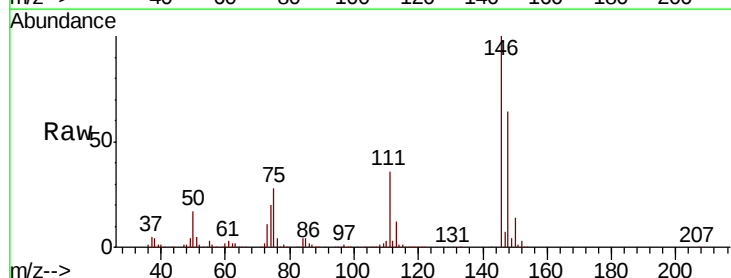
Tgt Ion:146 Resp: 688288

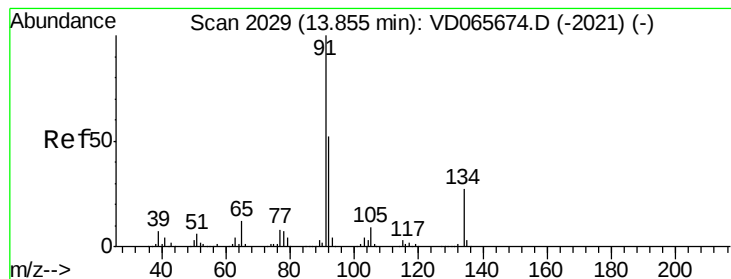
Ion Ratio Lower Upper

146 100

111 36.7 18.3 54.8

148 63.8 32.1 96.5





#89

n-Butylbenzene

Concen: 166.926 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

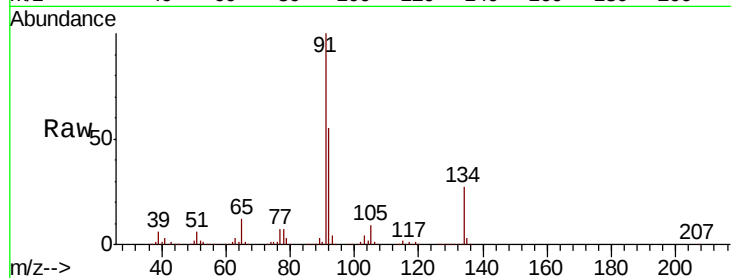
Tot Ion: 91 Resp: 1311127

Ion	Ratio	Lower	Upper
91	100		
92	54.5	26.3	78.8
134	27.2	13.0	39.0

91 100

92 54.5 26.3 78.8

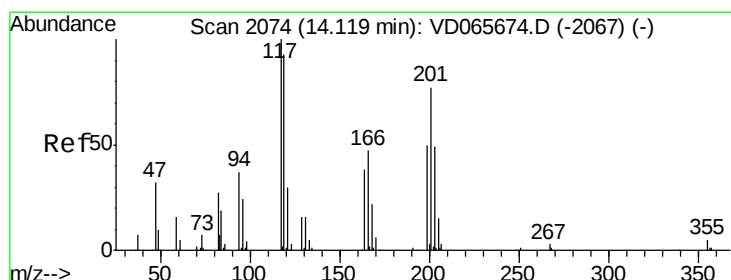
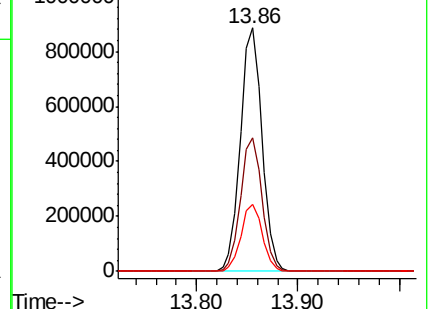
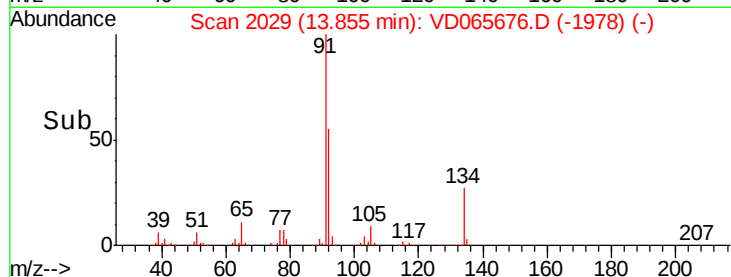
134 27.2 13.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.00 (133.70 to 134.70): VDC



#90

Hexachloroethane

Concen: 139.671 ug/l

RT: 14.13 min Scan# 2075

Delta R.T. 0.01 min

Lab File: VD065676.D

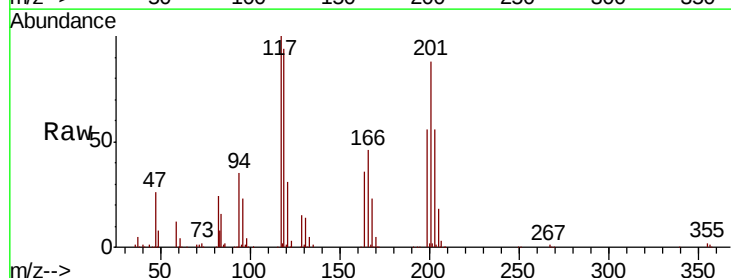
Acq: 24 Apr 2020 14:27

Tgt Ion: 117 Resp: 266512

Ion	Ratio	Lower	Upper
117	100		
201	87.2	42.1	126.3

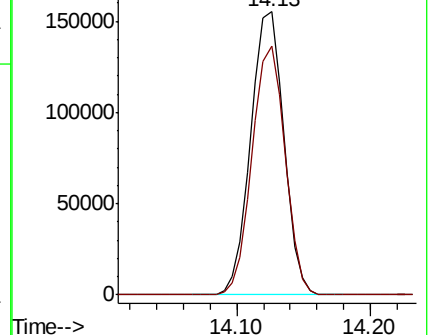
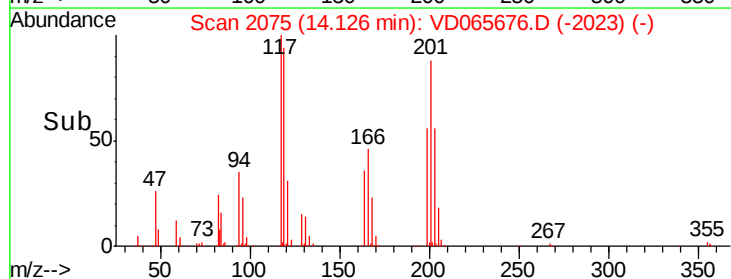
117 100

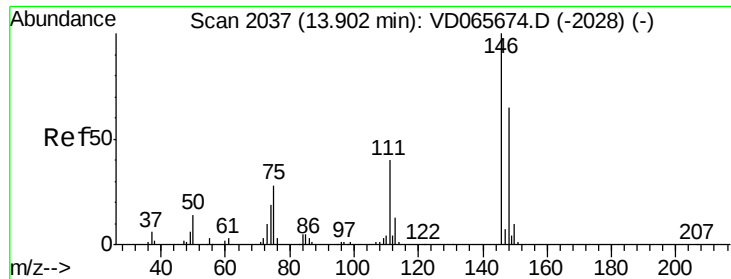
201 87.2 42.1 126.3



Abundance Ion 116.80 (116.50 to 117.50): VDC

Ion 200.70 (200.40 to 201.40): VDC





#91

1,2-Dichlorobenzene

Concen: 147.381 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

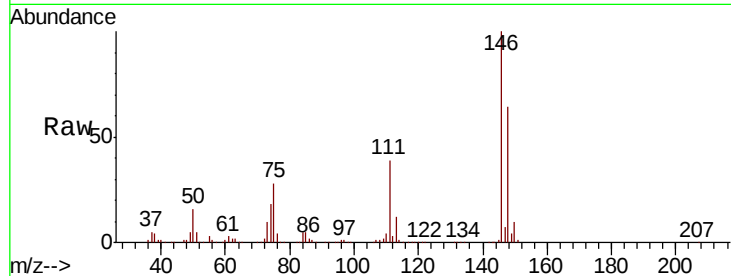
Tot Ion:146 Resp: 601707

Ion Ratio Lower Upper

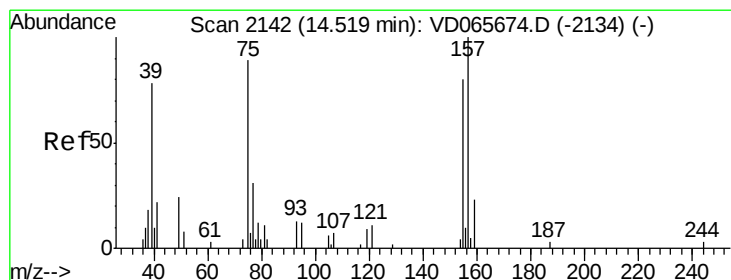
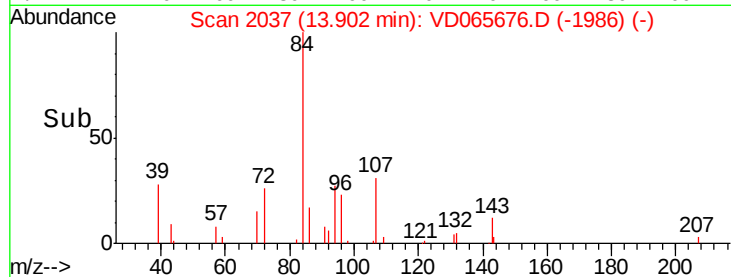
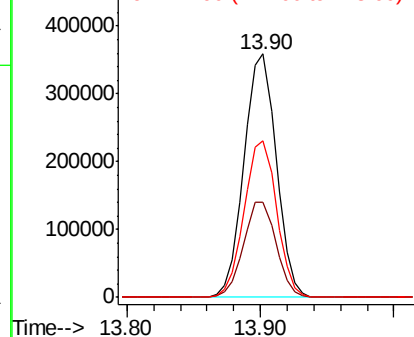
146 100

111 39.6 19.8 59.3

148 64.5 31.5 94.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 150.368 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

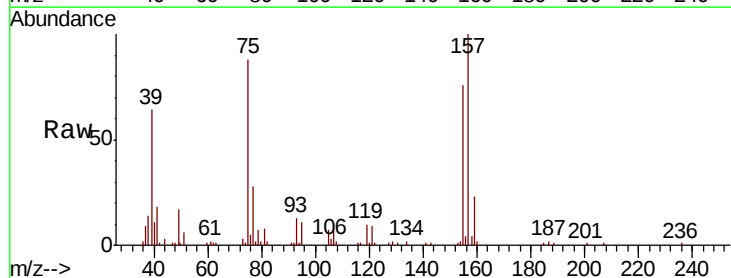
Tgt Ion: 75 Resp: 40944

Ion Ratio Lower Upper

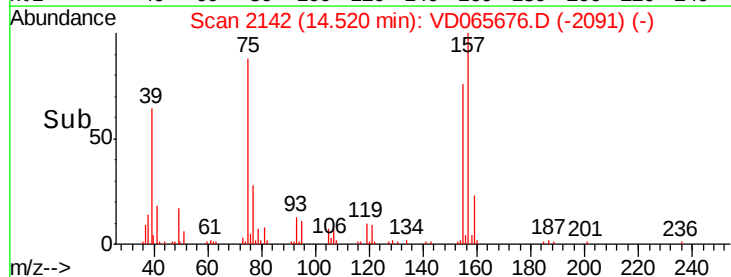
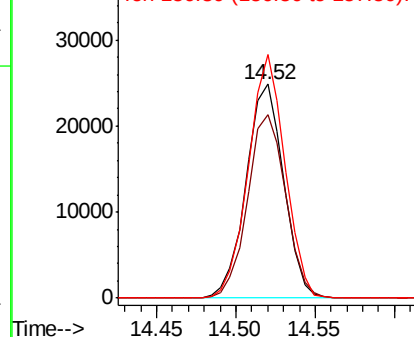
75 100

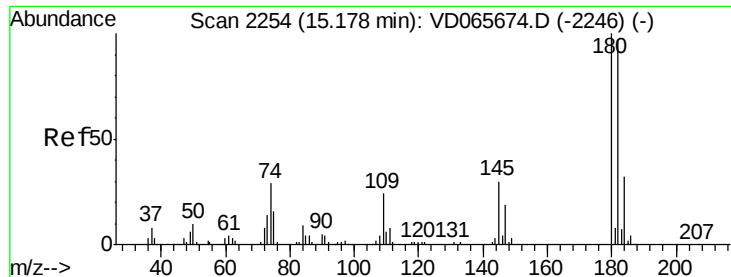
155 86.7 41.8 125.3

157 110.5 53.9 161.7



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

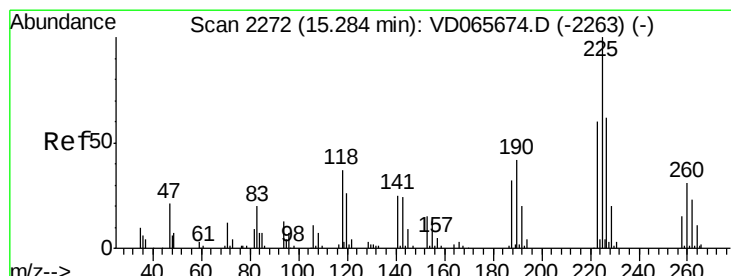
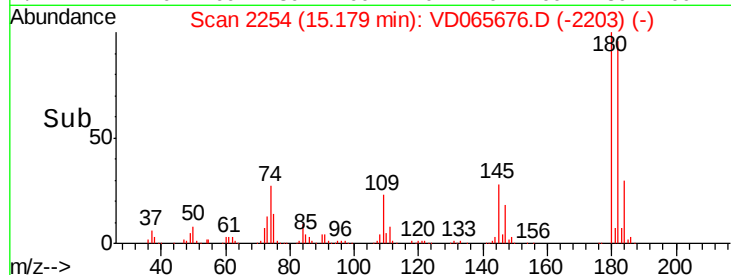
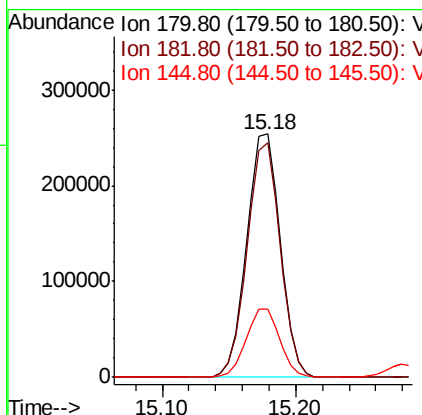
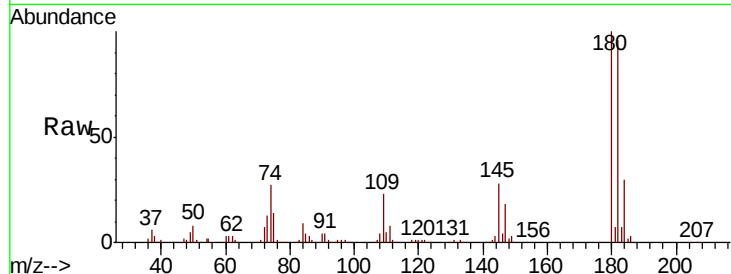




#93
 1,2,4-Trichlorobenzene
 Concen: 167.687 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

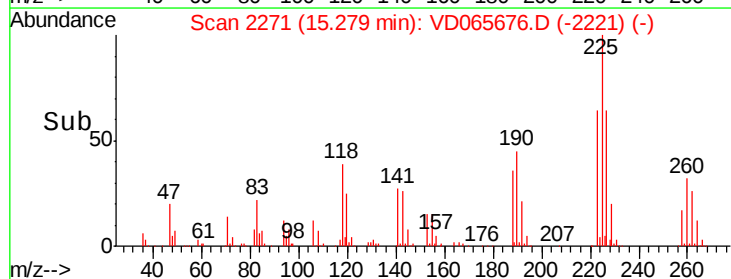
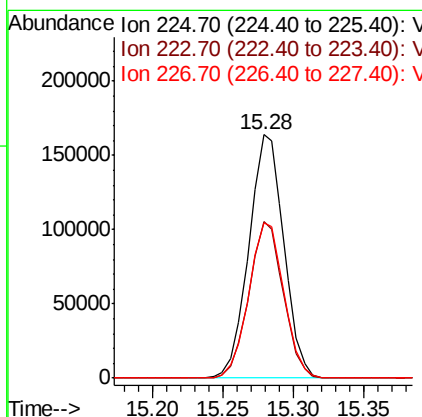
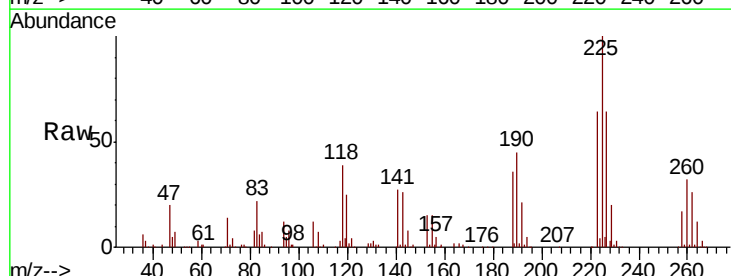
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

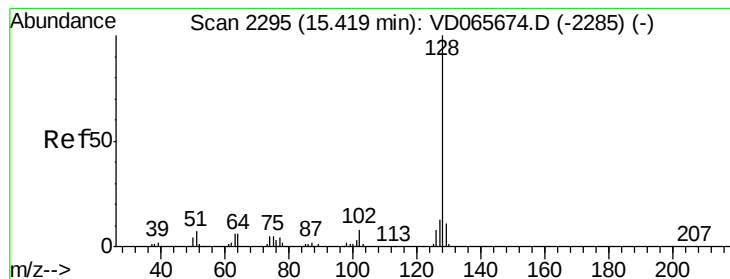
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.1	141.3
145	28.1	14.3	42.9



#94
 Hexachlorobutadiene
 Concen: 144.896 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065676.D
 Acq: 24 Apr 2020 14:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.0	93.0
227	63.8	31.6	94.8





#95

Naphthalene

Concen: 191.628 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.01 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

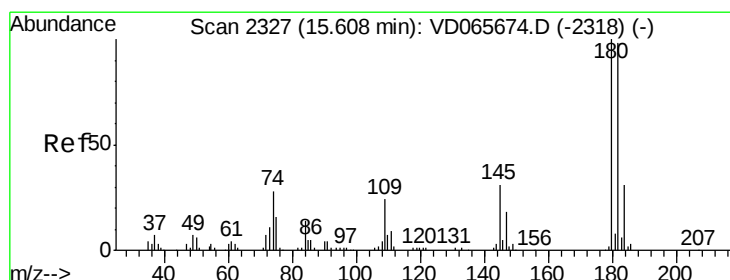
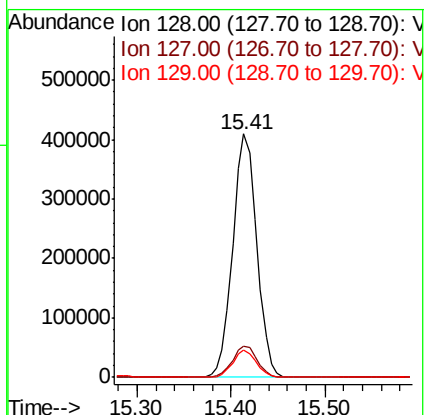
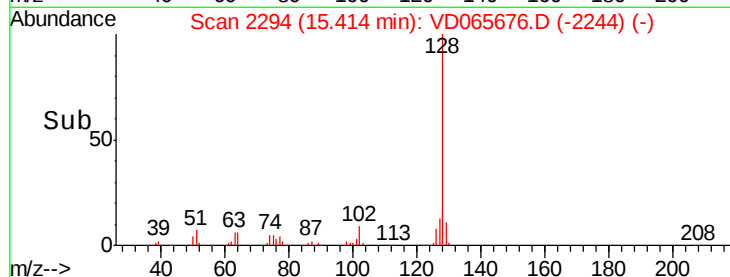
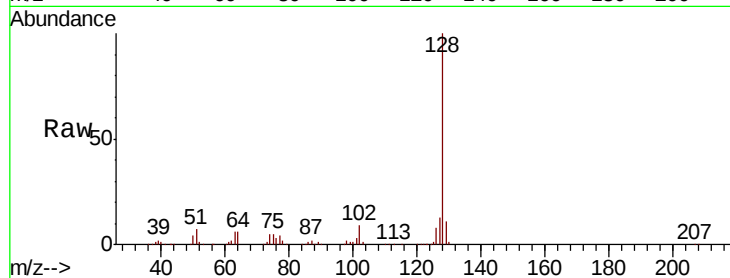
Tot Ion:128 Resp: 726296

Ion Ratio Lower Upper

128 100

127 13.2 11.4 17.0

129 10.9 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 162.669 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065676.D

Acq: 24 Apr 2020 14:27

Tgt Ion:180 Resp: 380833

Ion Ratio Lower Upper

180 100

182 95.6 47.8 143.3

145 30.3 15.6 46.8

