

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042420\
 Data File : VD065671.D
 Acq On : 24 Apr 2020 12:06
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Apr 24 14:29:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042420S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 24 13:58:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	173744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	255113	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	236625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	120351	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	10385	5.76	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	11.52%	
35) Dibromofluoromethane	7.92	113	9357	5.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.54%	
50) Toluene-d8	10.34	98	29442	4.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.50%	
62) 4-Bromofluorobenzene	12.64	95	9600	4.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.58%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	7513	4.820	ug/l 93
3) Chloromethane	2.21	50	9627	4.933	ug/l 95
4) Vinyl Chloride	2.35	62	11051	5.126	ug/l 97
5) Bromomethane	2.77	94	7267	5.500	ug/l 96
6) Chloroethane	2.93	64	6630	5.068	ug/l 96
7) Trichlorofluoromethane	3.27	101	16132	5.333	ug/l 87
8) Diethyl Ether	3.71	74	4677	5.318	ug/l 89
9) 1,1,2-Trichlorotrifluoroet	4.08	101	9735	5.416	ug/l 99
10) Methyl Iodide	4.29	142	4968	4.174	ug/l # 97
11) Tert butyl alcohol	5.26	59	1966	25.100	ug/l # 73
12) 1,1-Dichloroethene	4.06	96	9877	5.518	ug/l 95
13) Acrolein	3.92	56	3608	28.208	ug/l 98
14) Allyl chloride	4.70	41	11183	4.764	ug/l 99
15) Acrylonitrile	5.43	53	7034	21.788	ug/l 98
16) Acetone	4.16	43	13412	32.120	ug/l # 89
17) Carbon Disulfide	4.39	76	23889	5.070	ug/l 98
18) Methyl Acetate	4.72	43	4619	5.128	ug/l 93
19) Methyl tert-butyl Ether	5.49	73	12377	4.306	ug/l 98
20) Methylene Chloride	4.95	84	9664	5.315	ug/l 93
21) trans-1,2-Dichloroethene	5.46	96	7748	4.650	ug/l 93
22) Diisopropyl ether	6.37	45	19192	4.043	ug/l # 91
23) Vinyl Acetate	6.31	43	50275m	19.915	ug/l
24) 1,1-Dichloroethane	6.26	63	15258	4.823	ug/l 95
25) 2-Butanone	7.22	43	10460	23.755	ug/l 92
26) 2,2-Dichloropropane	7.21	77	15776	5.356	ug/l 97
27) cis-1,2-Dichloroethene	7.21	96	8484	4.777	ug/l 93
28) Bromochloromethane	7.55	49	6827	5.257	ug/l # 98
29) Tetrahydrofuran	7.57	42	5559	21.246	ug/l 95
30) Chloroform	7.71	83	17748	5.254	ug/l 99
31) Cyclohexane	7.98	56	16642	5.574	ug/l # 79
32) 1,1,1-Trichloroethane	7.90	97	16188	5.270	ug/l 98
36) 1,1-Dichloropropene	8.11	75	12817	4.762	ug/l 99
37) Ethyl Acetate	7.30	43	5129	4.907	ug/l # 87
38) Carbon Tetrachloride	8.10	117	15857	5.128	ug/l 92

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 Data File : VD065671.D
 Acq On : 24 Apr 2020 12:06
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Apr 24 14:29:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042420S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 24 13:58:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	12482	4.510	ug/l	90
40) Benzene	8.35	78	35716	4.833	ug/l	96
41) Methacrylonitrile	7.54	41	2604	4.784	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	11614	5.009	ug/l	98
43) Isopropyl Acetate	8.46	43	8483	4.452	ug/l	94
44) Trichloroethene	9.11	130	10370	4.963	ug/l	82
45) 1,2-Dichloropropane	9.39	63	8972	4.765	ug/l	90
46) Dibromomethane	9.48	93	4656	4.770	ug/l	100
47) Bromodichloromethane	9.67	83	13328	4.970	ug/l #	89
48) Methyl methacrylate	9.46	41	4352	4.703	ug/l	90
49) 1,4-Dioxane	9.47	88	783	77.028	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	20008	20.482	ug/l	99
52) Toluene	10.40	92	19429	4.330	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	10090	4.460	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	12332	4.500	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	6641	4.855	ug/l	94
56) Ethyl methacrylate	10.67	69	4885	3.829	ug/l	93
57) 1,3-Dichloropropane	10.95	76	10539	4.647	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	14147	20.702	ug/l	100
59) 2-Hexanone	10.99	43	13660	20.618	ug/l	94
60) Dibromochloromethane	11.14	129	8981	4.918	ug/l	95
61) 1,2-Dibromoethane	11.25	107	5823	4.630	ug/l	91
64) Tetrachloroethene	10.88	164	9039	4.968	ug/l	96
65) Chlorobenzene	11.67	112	25212	5.004	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	9749	5.008	ug/l	97
67) Ethyl Benzene	11.75	91	35786	4.401	ug/l	100
68) m/p-Xylenes	11.86	106	25968	8.197	ug/l	97
69) o-Xylene	12.18	106	11036	4.157	ug/l	96
70) Styrene	12.20	104	18956	3.943	ug/l	97
71) Bromoform	12.36	173	5196	4.773	ug/l #	98
73) Isopropylbenzene	12.48	105	30433	4.335	ug/l	99
74) N-amyl acetate	12.30	43	6928	4.378	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.74	83	7150	5.061	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	5045m	4.737	ug/l	
77) Bromobenzene	12.77	156	9343	4.805	ug/l	97
78) n-propylbenzene	12.83	91	37981	4.309	ug/l	99
79) 2-Chlorotoluene	12.91	91	23223	4.543	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	24263	4.031	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	1754	4.111	ug/l	87
82) 4-Chlorotoluene	13.01	91	24440	4.398	ug/l	97
83) tert-Butylbenzene	13.23	119	20742	4.279	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	23654	3.966	ug/l	99
85) sec-Butylbenzene	13.41	105	30448	4.271	ug/l	98
86) p-Isopropyltoluene	13.53	119	27412	4.106	ug/l	95
87) 1,3-Dichlorobenzene	13.53	146	18454	4.800	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	19596	5.031	ug/l	89
89) n-Butylbenzene	13.86	91	28166	4.556	ug/l	98
90) Hexachloroethane	14.13	117	8149	5.178	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	16438	4.932	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	1088	4.935	ug/l	98

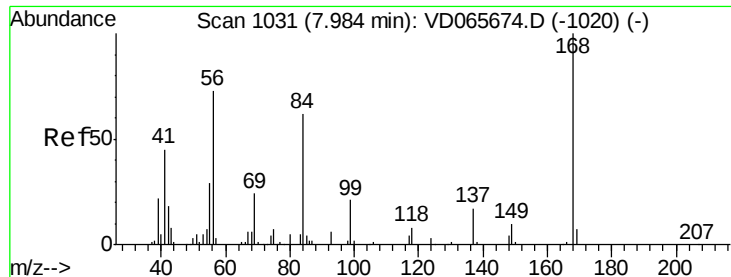
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042420\
Data File : VD065671.D
Acq On : 24 Apr 2020 12:06
Operator : VA/SY
Sample : VSTDICC005
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: Apr 24 14:29:46 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D042420S.M
Quant Title : SW846 8260
QLast Update : Fri Apr 24 13:58:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	9291	4.451	ug/l	98
94) Hexachlorobutadiene	15.28	225	8109	5.018	ug/l	97
95) Naphthalene	15.42	128	11870	4.119	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	8911	4.755	ug/l	98

(#) = 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: VD065671.D

Acq: 24 Apr 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

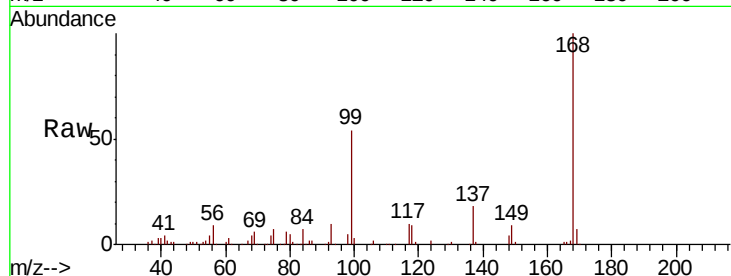
VSTDIC005

Tot Ion:168 Resp: 173744

Ion Ratio Lower Upper

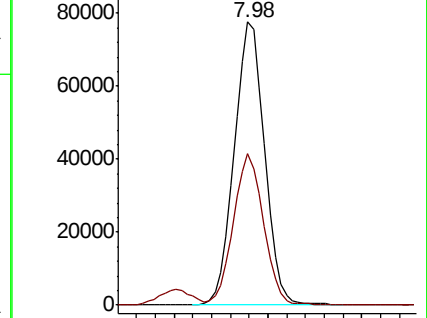
168 100

99 53.4 43.3 64.9

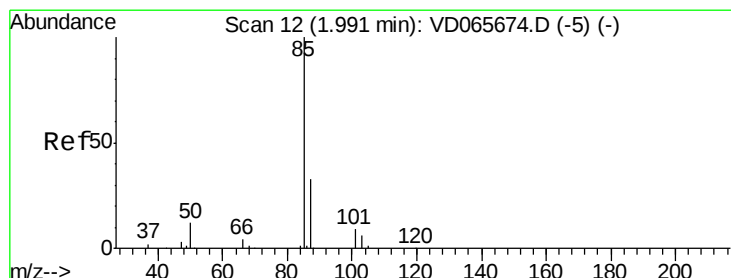
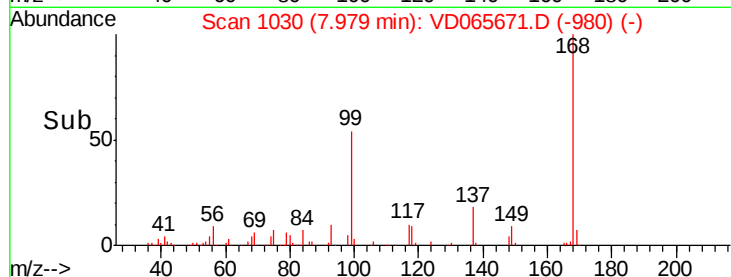


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



Time-->



#2

Dichlorodifluoromethane

Concen: 4.820 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD065671.D

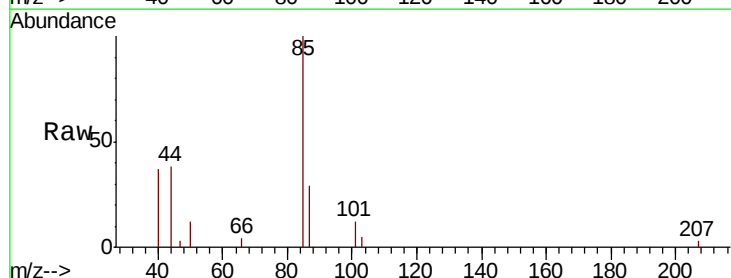
Acq: 24 Apr 2020 12:06

Tgt Ion: 85 Resp: 7513

Ion Ratio Lower Upper

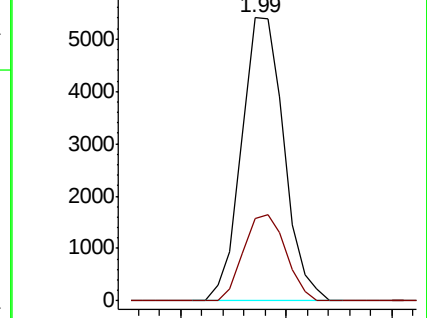
85 100

87 29.1 16.4 49.4

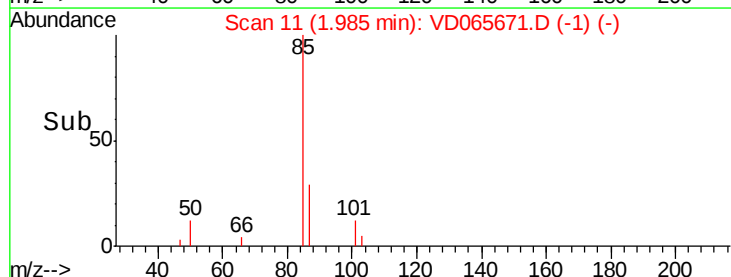


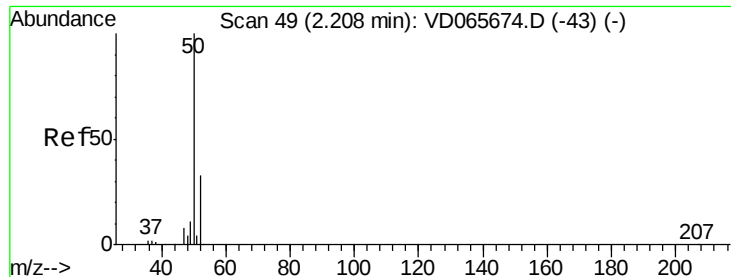
Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



Time-->

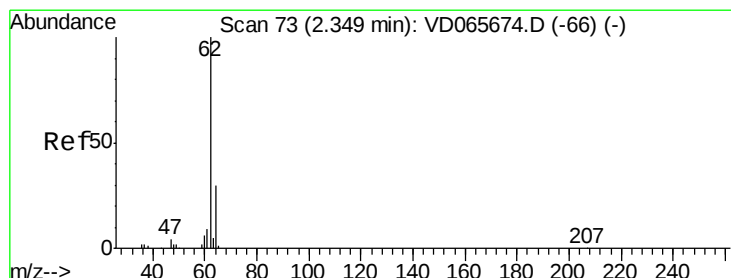
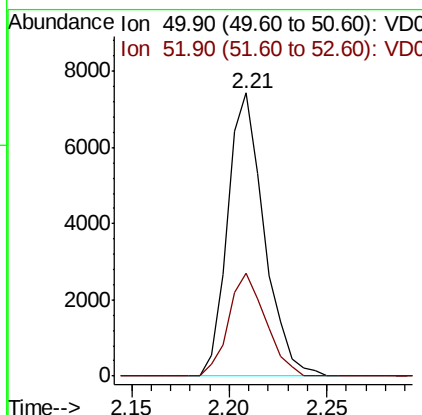
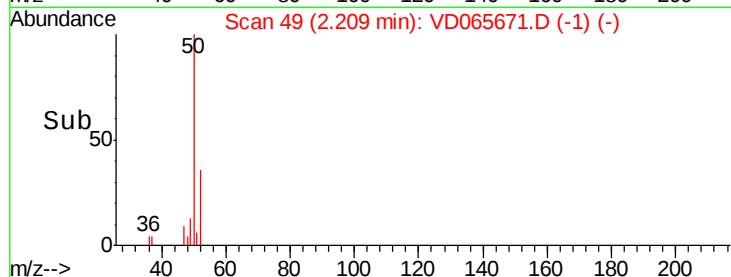
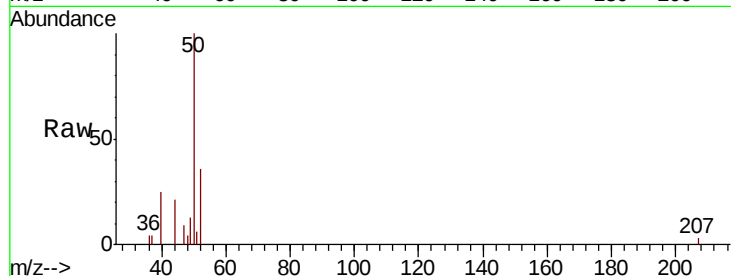




#3
Chloromethane
Concen: 4.933 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD065671.D
Acq: 24 Apr 2020 12:06

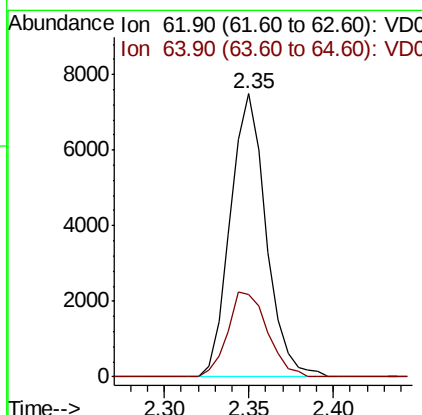
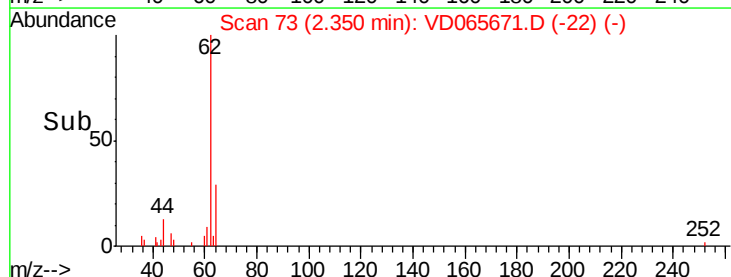
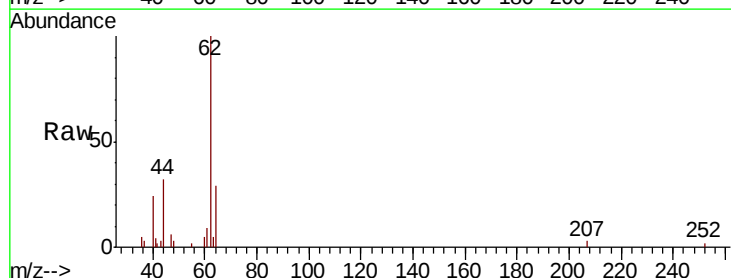
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

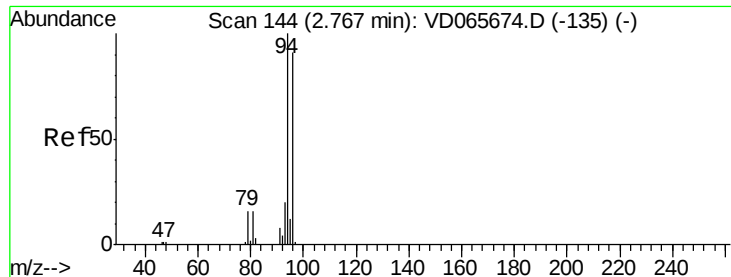
Tot Ion: 50 Resp: 9627
Ion Ratio Lower Upper
50 100
52 36.2 26.5 39.7



#4
Vinyl Chloride
Concen: 5.126 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.00 min
Lab File: VD065671.D
Acq: 24 Apr 2020 12:06

Tgt Ion: 62 Resp: 11051
Ion Ratio Lower Upper
62 100
64 29.0 24.3 36.5





#5

Bromomethane

Concen: 5.500 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

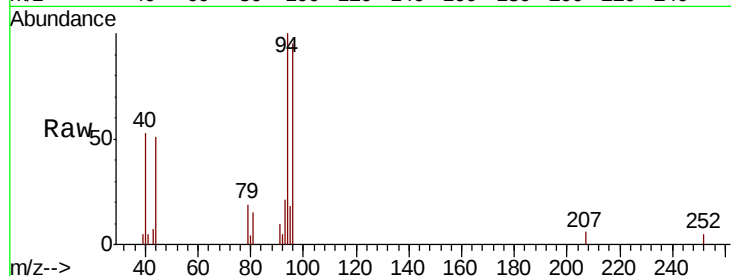
VSTDIC005

Tot Ion: 94 Resp: 7267

Ion Ratio Lower Upper

94 100

96 94.5 73.0 109.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

4000

3000

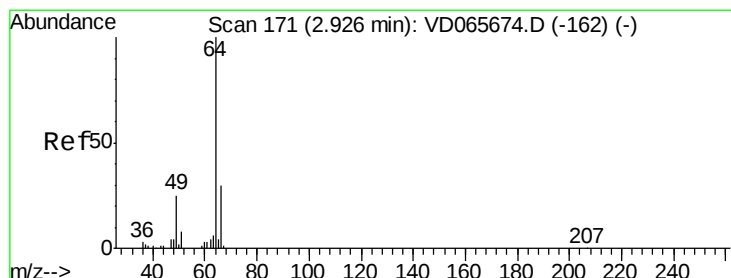
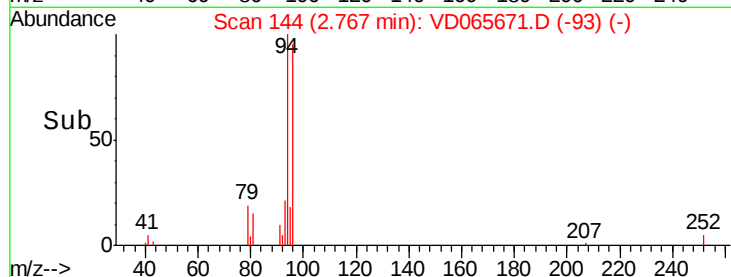
2000

1000

0

2.70 2.75 2.80 2.85

Time-->



#6

Chloroethane

Concen: 5.068 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065671.D

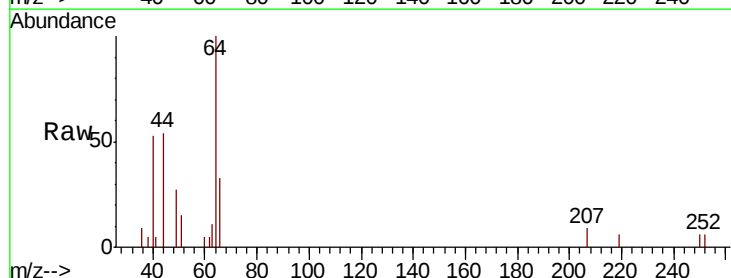
Acq: 24 Apr 2020 12:06

Tgt Ion: 64 Resp: 6630

Ion Ratio Lower Upper

64 100

66 32.8 24.3 36.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

4000

3000

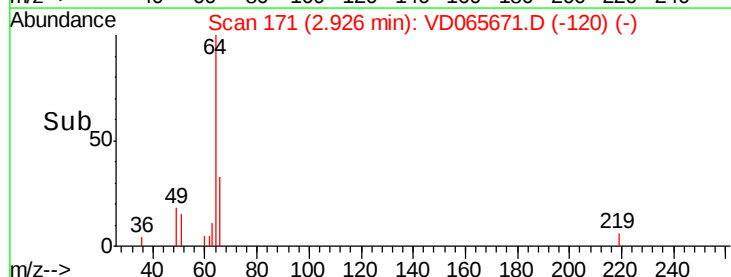
2000

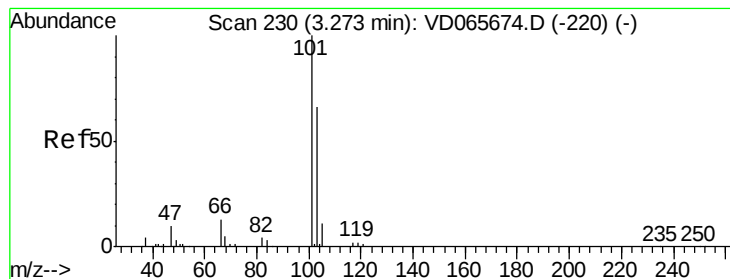
1000

0

2.85 2.90 2.95 3.00

Time-->





#7

Trichlorofluoromethane

Concen: 5.333 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

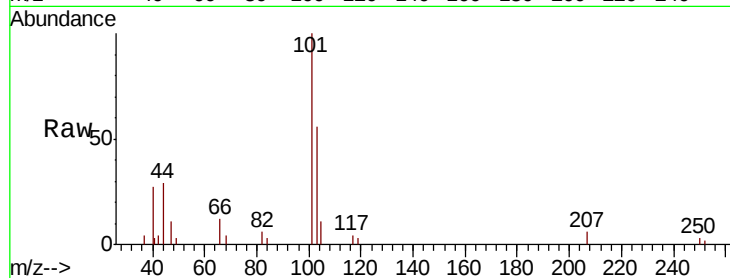
VSTDIC005

Tot Ion:101 Resp: 16132

Ion Ratio Lower Upper

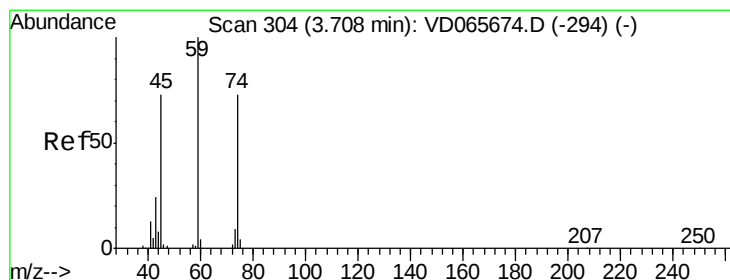
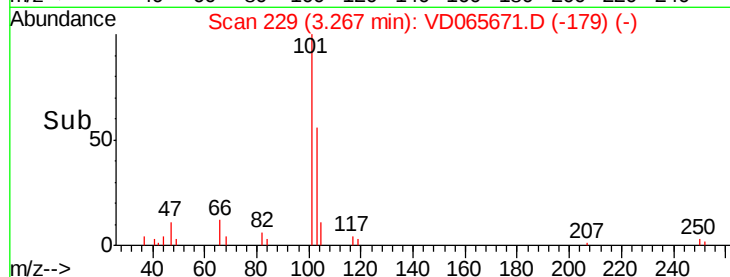
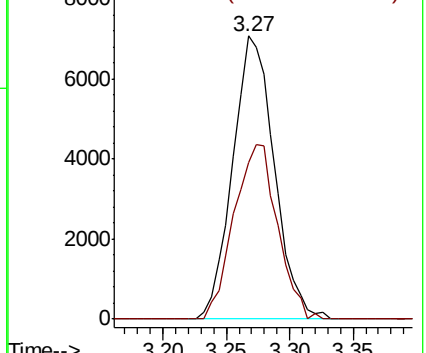
101 100

103 55.5 52.6 78.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 5.318 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD065671.D

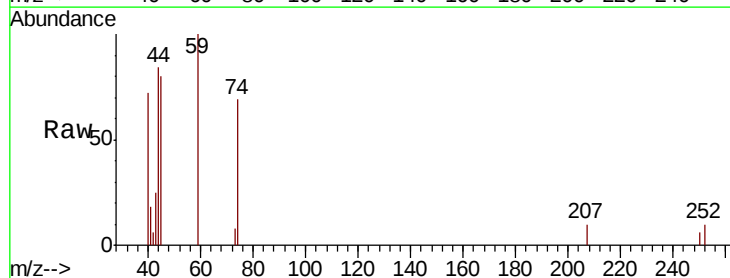
Acq: 24 Apr 2020 12:06

Tgt Ion: 74 Resp: 4677

Ion Ratio Lower Upper

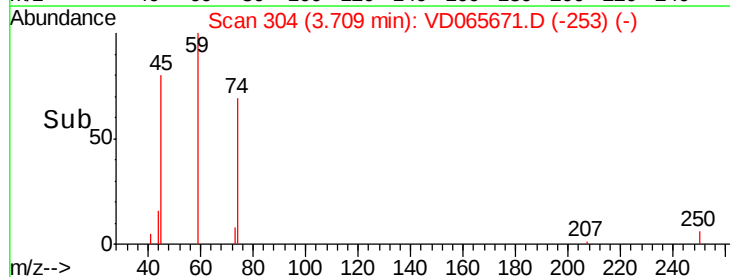
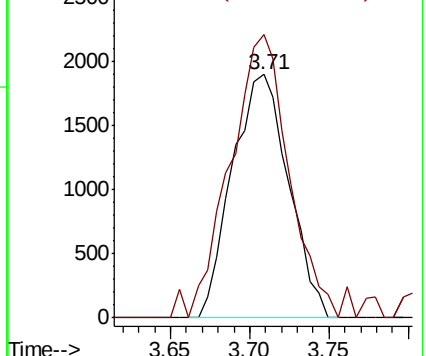
74 100

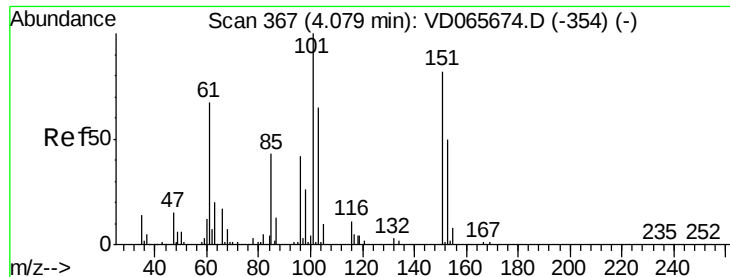
45 122.2 55.0 165.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.416 ug/l

RT: 4.08 min Scan# 367

Delta R.T. 0.00 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

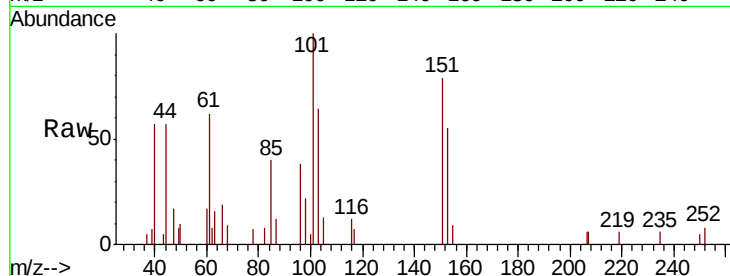
Tot Ion:101 Resp: 9735

Ion Ratio Lower Upper

101 100

85 43.9 35.1 52.7

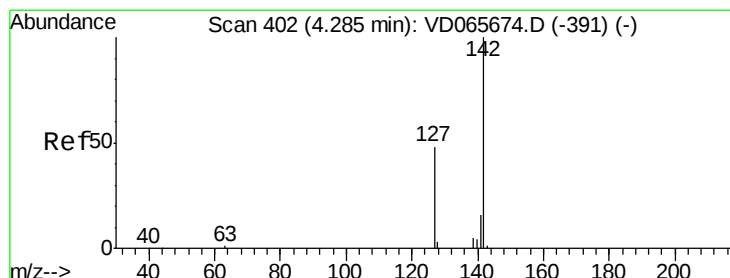
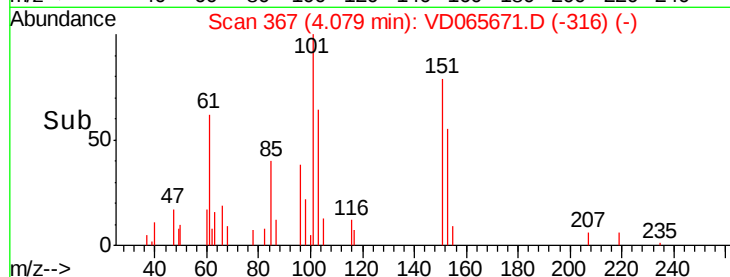
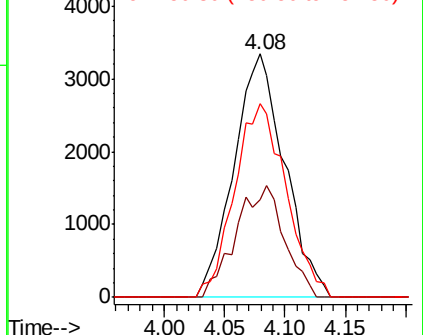
151 81.0 64.1 96.1



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: 4.174 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.01 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

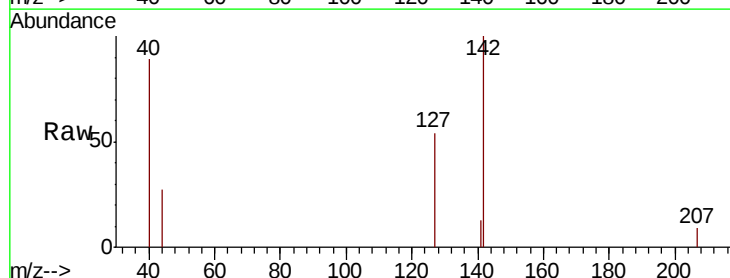
Tgt Ion:142 Resp: 4968

Ion Ratio Lower Upper

142 100

127 49.1 39.0 58.4

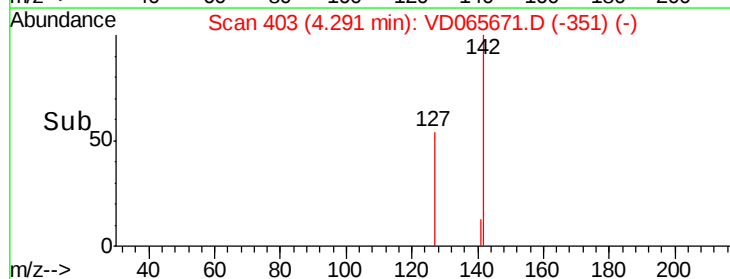
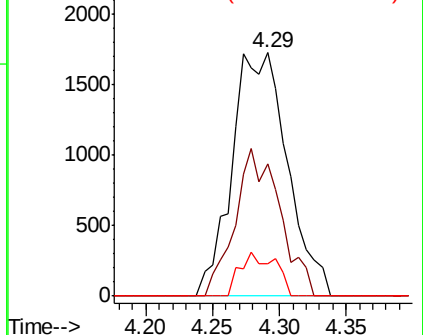
141 11.4 12.4 18.6#

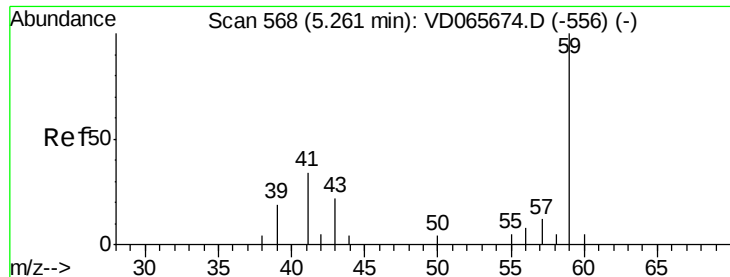


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

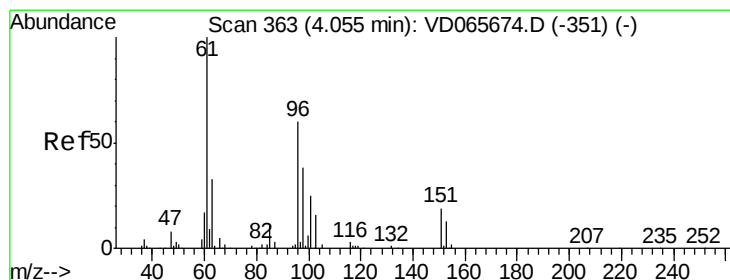
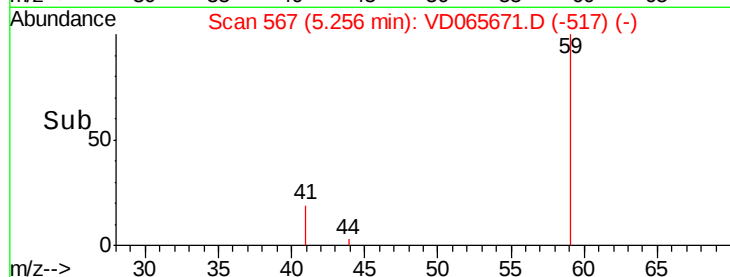
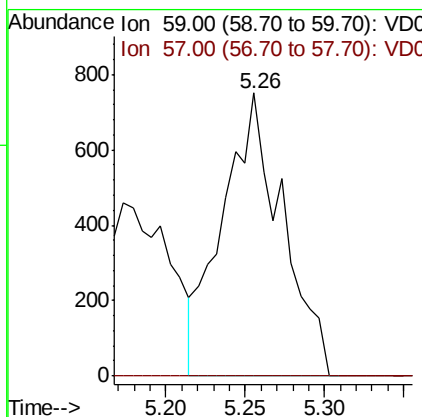
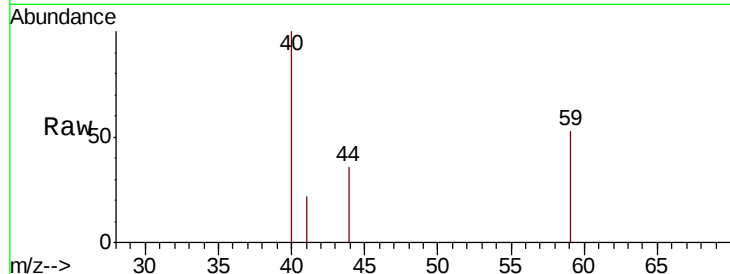




#11
Tert butyl alcohol
Concen: 25.100 ug/l
RT: 5.26 min Scan# 567
Delta R.T. -0.01 min
Lab File: VD065671.D
Acq: 24 Apr 2020 12:06

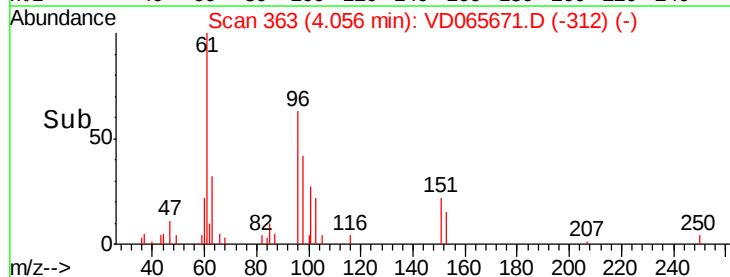
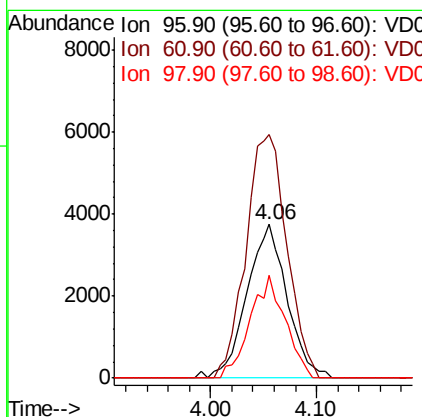
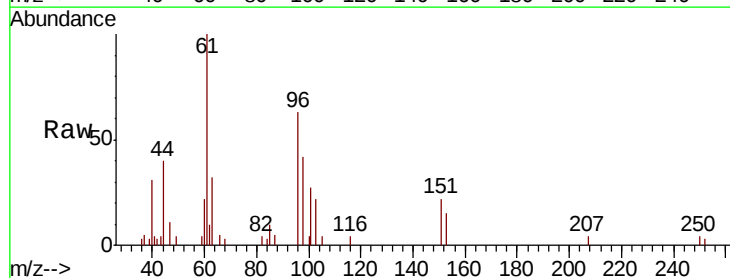
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

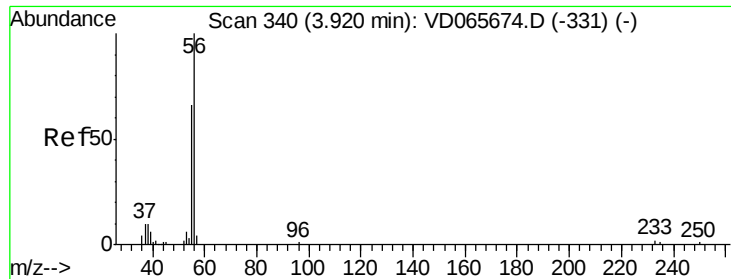
Tot Ion: 59 Resp: 1966
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#12
1,1-Dichloroethene
Concen: 5.518 ug/l
RT: 4.06 min Scan# 363
Delta R.T. 0.00 min
Lab File: VD065671.D
Acq: 24 Apr 2020 12:06

Tgt Ion: 96 Resp: 9877
Ion Ratio Lower Upper
96 100
61 158.7 132.8 199.2
98 67.4 50.7 76.1





#13

Acrolein

Concen: 28.208 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

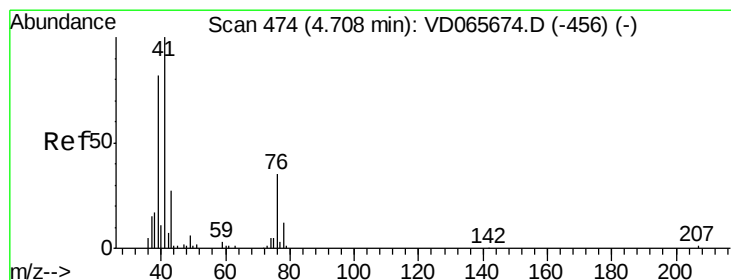
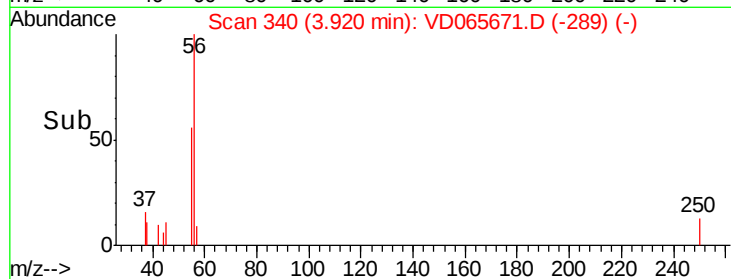
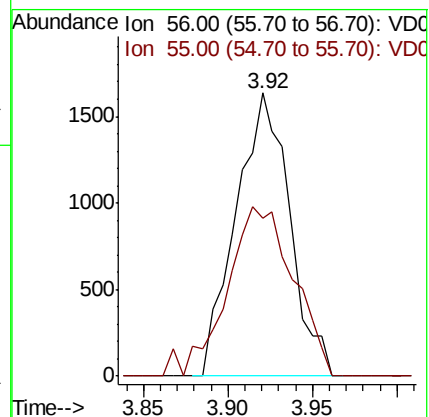
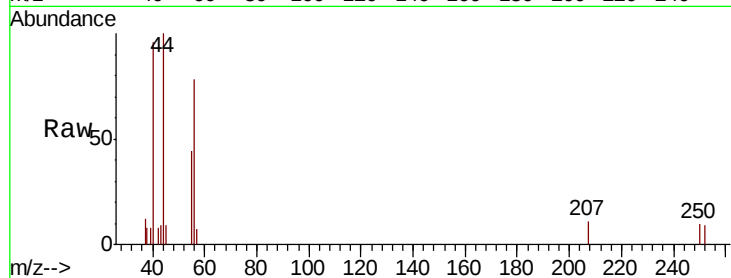
VSTDIC005

Tot Ion: 56 Resp: 3608

Ion Ratio Lower Upper

56 100

55 75.0 58.6 88.0



#14

Allyl chloride

Concen: 4.764 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

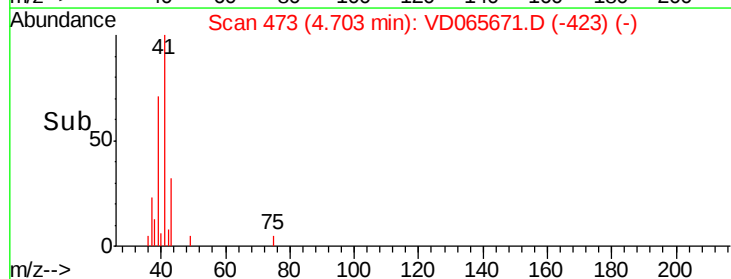
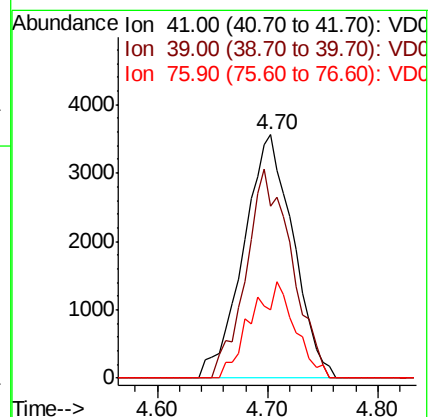
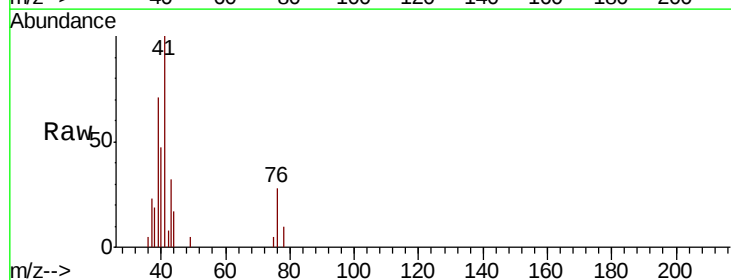
Tgt Ion: 41 Resp: 11183

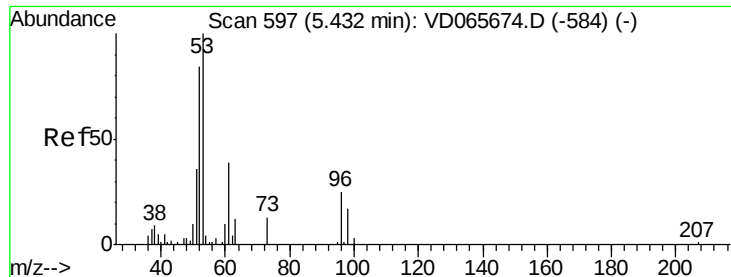
Ion Ratio Lower Upper

41 100

39 78.8 63.3 94.9

76 35.3 27.8 41.8





#15

Acrylonitrile

Concen: 21.788 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

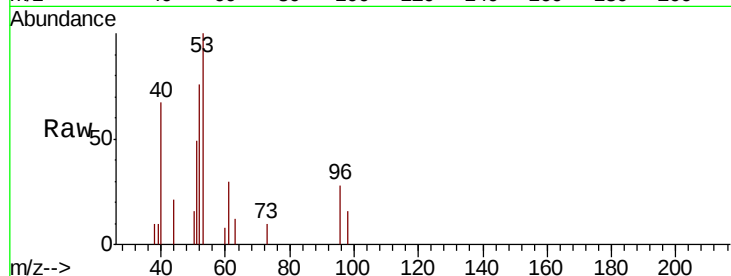
Tot Ion: 53 Resp: 7034

Ion Ratio Lower Upper

53 100

52 81.8 66.2 99.4

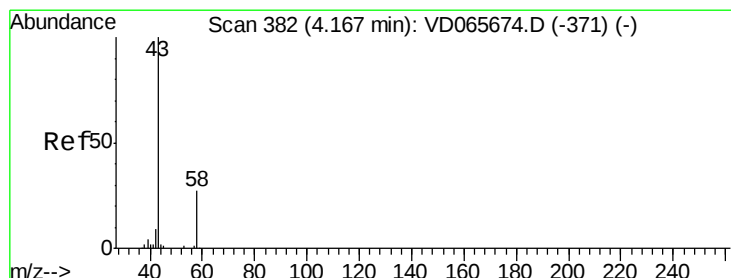
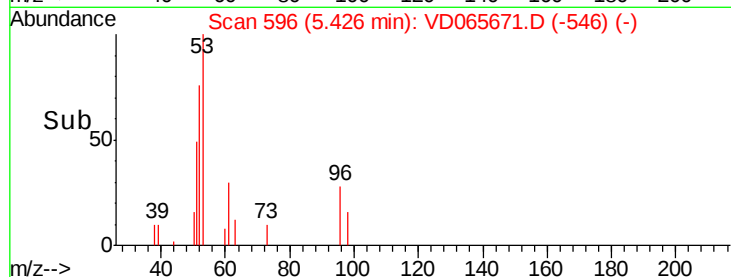
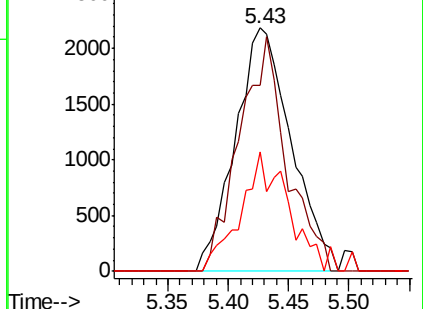
51 42.1 32.0 48.0



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: 32.120 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD065671.D

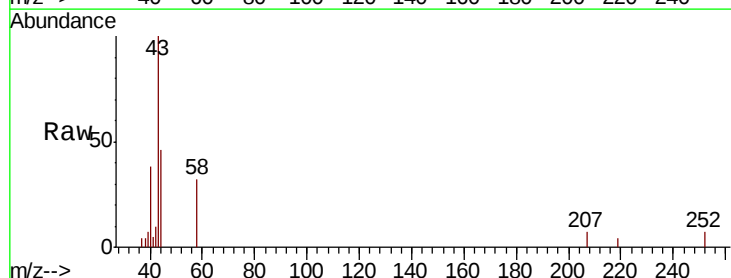
Acq: 24 Apr 2020 12:06

Tgt Ion: 43 Resp: 13412

Ion Ratio Lower Upper

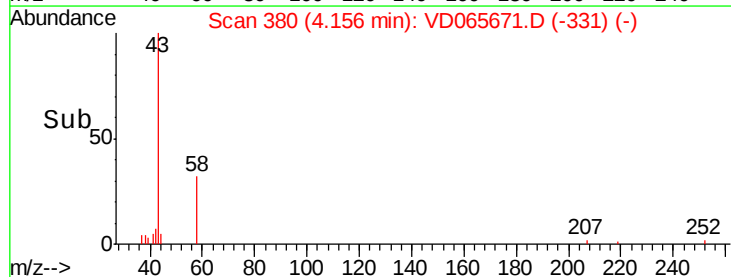
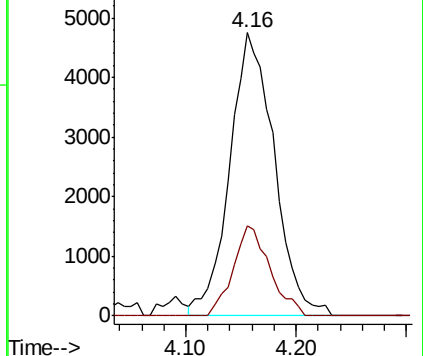
43 100

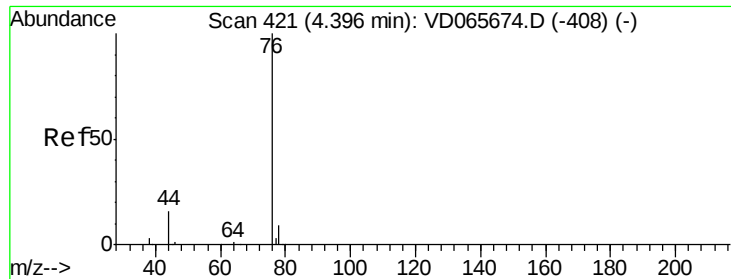
58 32.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 5.070 ug/l

RT: 4.39 min Scan# 420

Delta R.T. -0.01 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

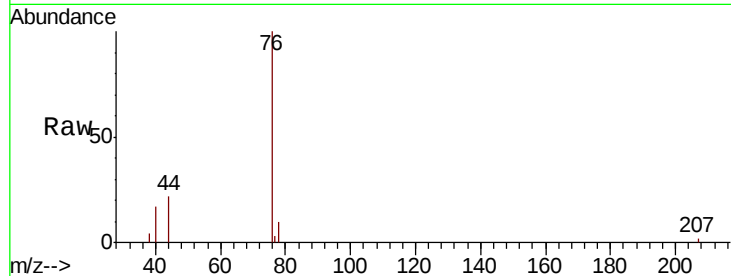
VSTDIC005

Tot Ion: 76 Resp: 23889

Ion Ratio Lower Upper

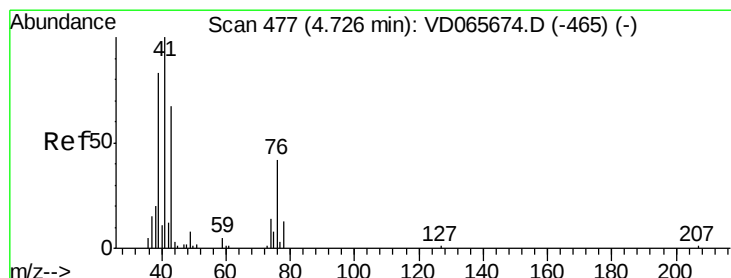
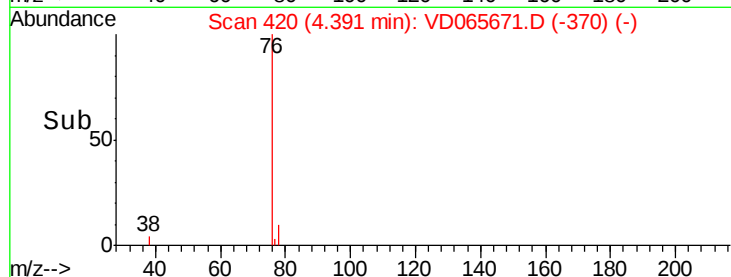
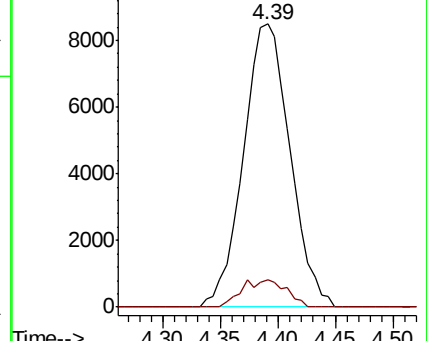
76 100

78 9.8 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 5.128 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065671.D

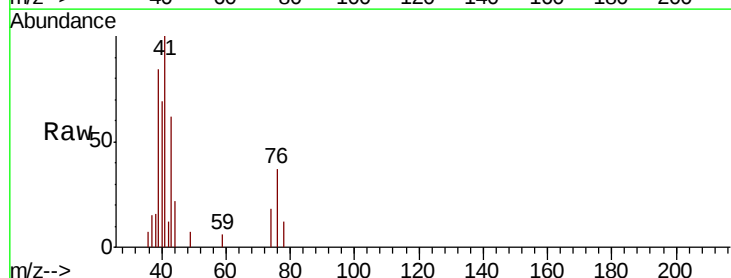
Acq: 24 Apr 2020 12:06

Tgt Ion: 43 Resp: 4619

Ion Ratio Lower Upper

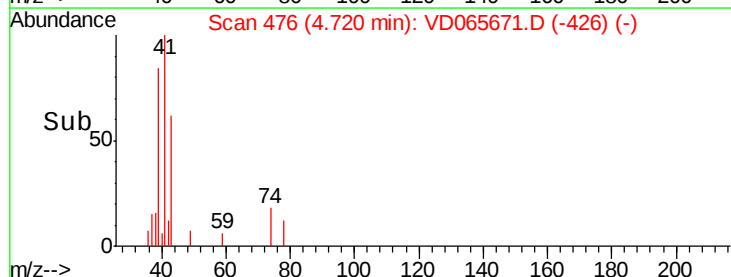
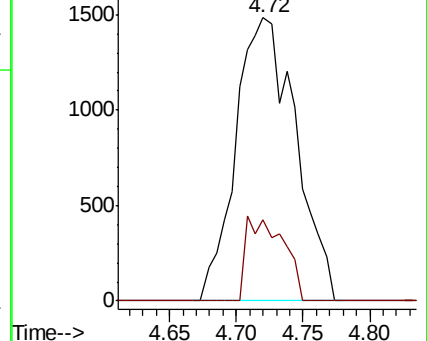
43 100

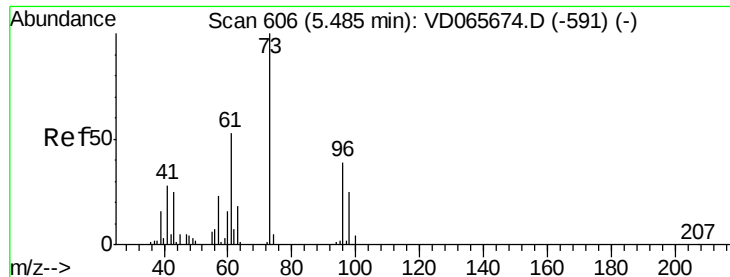
74 18.4 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

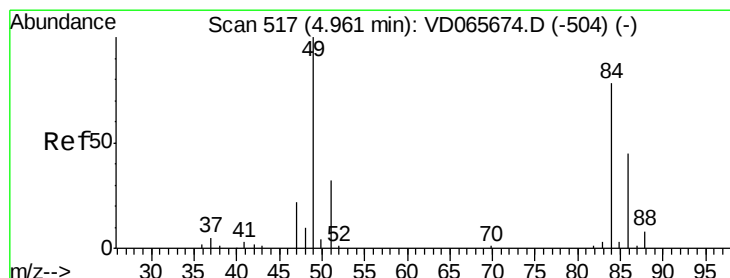
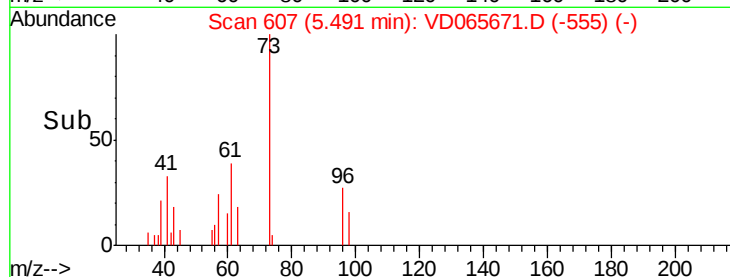
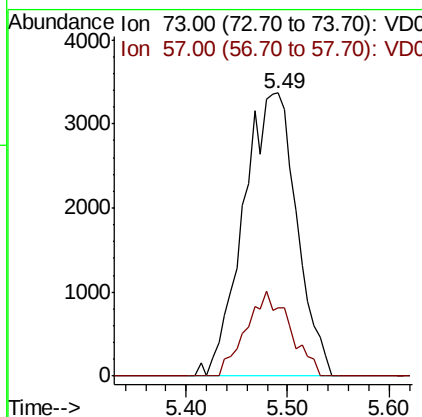
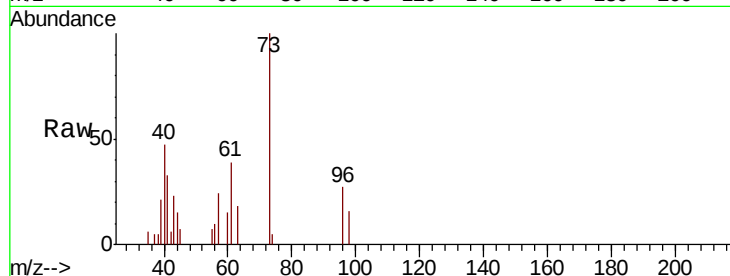




#19
Methvl tert-butvl Ether
Concen: 4.306 ug/l
RT: 5.49 min Scan# 607
Delta R.T. 0.01 min
Lab File: VD065671.D
Acq: 24 Apr 2020 12:06

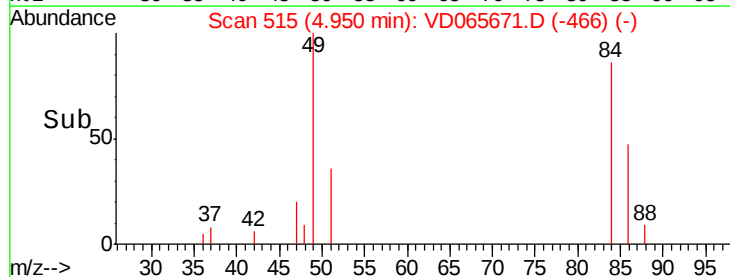
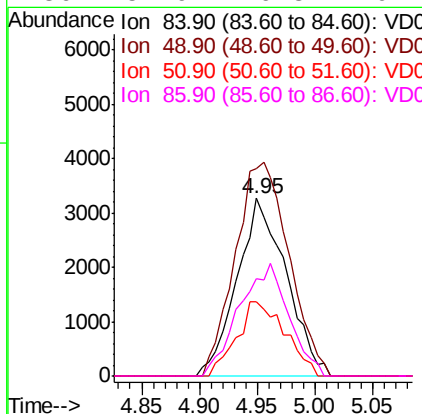
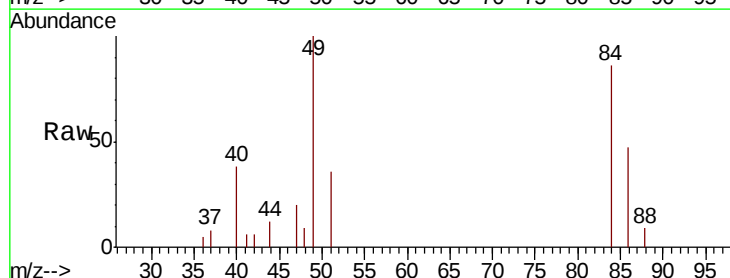
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

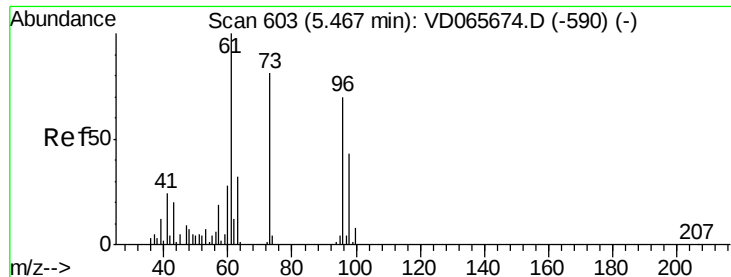
Tot Ion: 73 Resp: 12377
Ion Ratio Lower Upper
73 100
57 24.1 18.3 27.5



#20
Methylene Chloride
Concen: 5.315 ug/l
RT: 4.95 min Scan# 515
Delta R.T. -0.01 min
Lab File: VD065671.D
Acq: 24 Apr 2020 12:06

Tgt Ion: 84 Resp: 9664
Ion Ratio Lower Upper
84 100
49 116.7 103.1 154.7
51 41.6 33.3 49.9
86 54.9 46.8 70.2





#21

trans-1,2-Dichloroethene

Concen: 4.650 ug/l

RT: 5.46 min Scan# 601

Delta R.T. -0.01 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

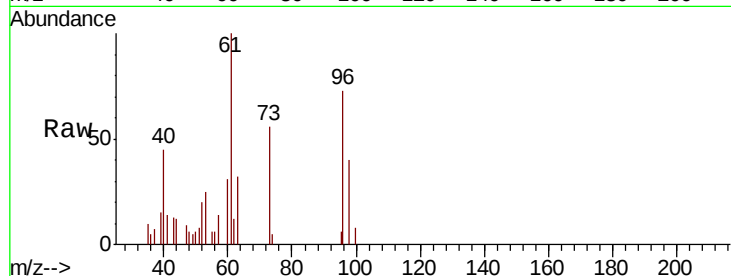
Tot Ion: 96 Resp: 7748

Ion Ratio Lower Upper

96 100

61 136.2 114.8 172.2

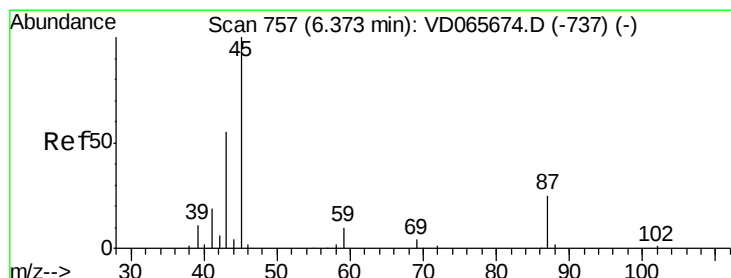
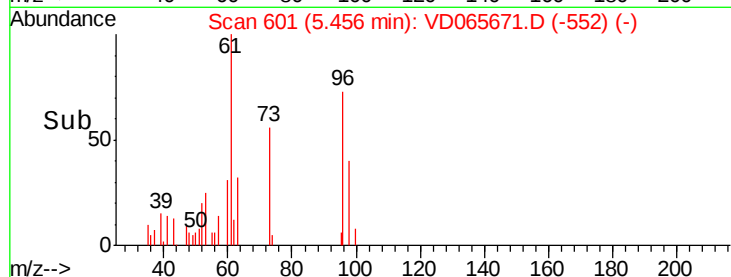
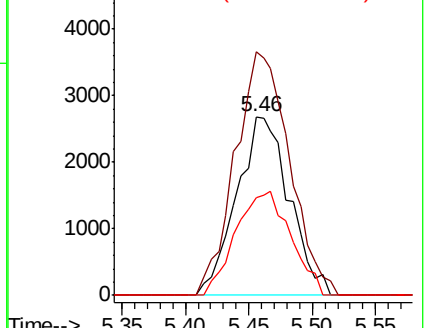
98 54.8 49.4 74.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 4.043 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

Tgt Ion: 45 Resp: 19192

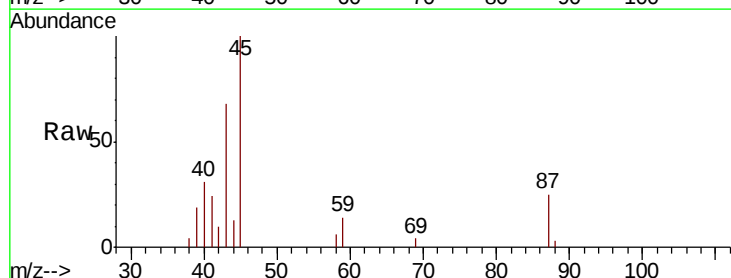
Ion Ratio Lower Upper

45 100

43 65.3 45.2 67.8

87 25.2 20.8 31.2

59 14.0 8.6 13.0#

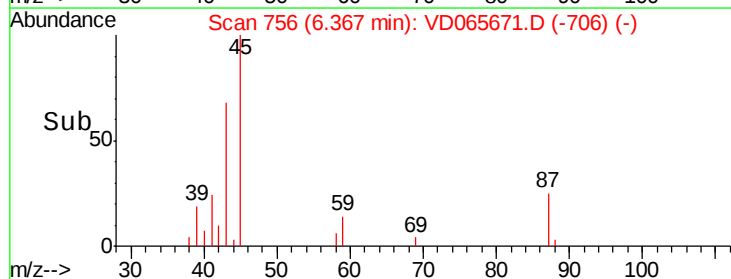
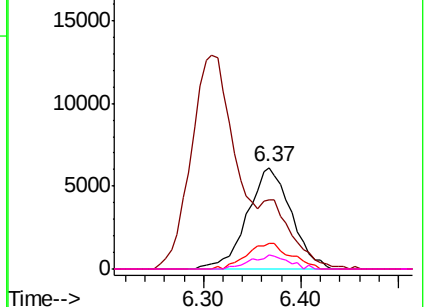


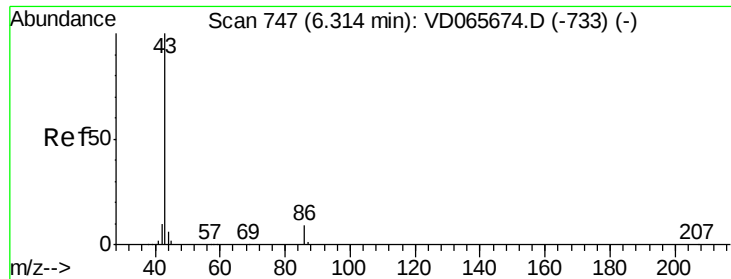
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 19.915 ug/l m

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

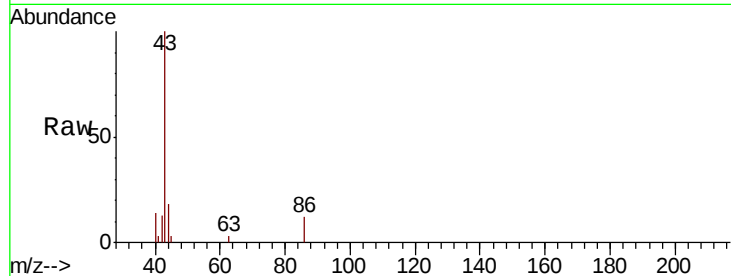
VSTDIC005

Tot Ion: 43 Resp: 50275

Ion Ratio Lower Upper

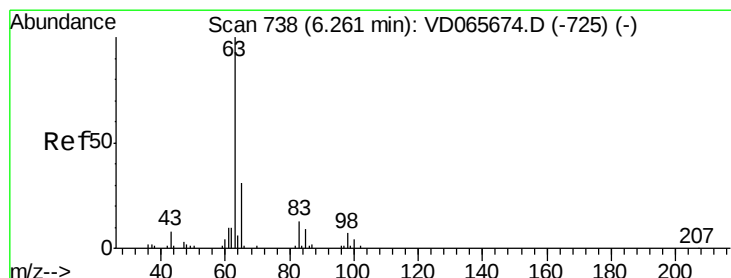
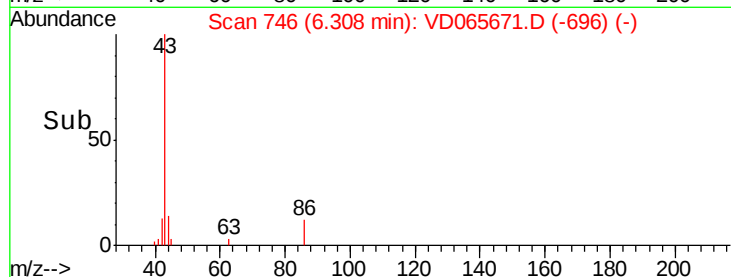
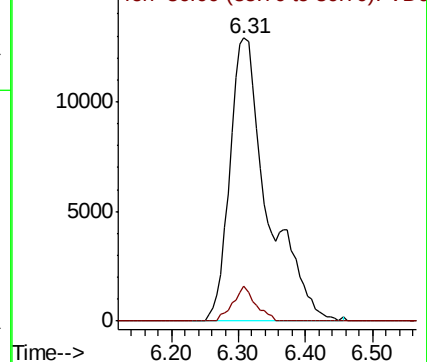
43 100

86 12.4 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 4.823 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

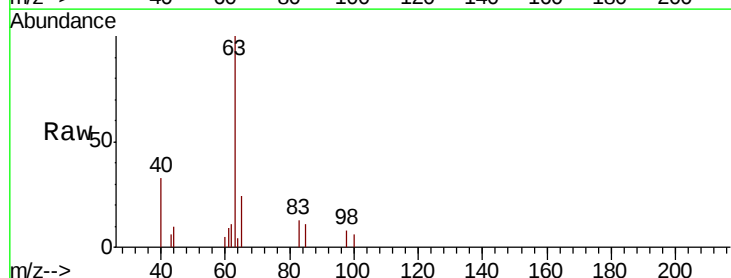
Tgt Ion: 63 Resp: 15258

Ion Ratio Lower Upper

63 100

98 8.4 3.5 10.4

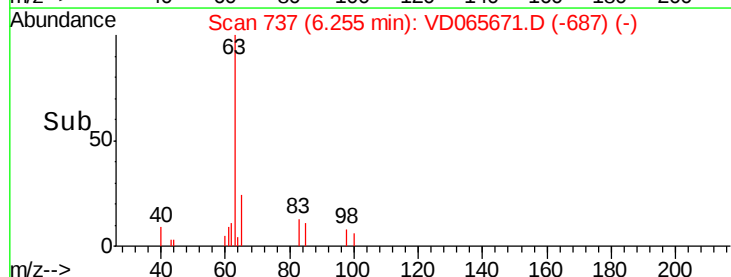
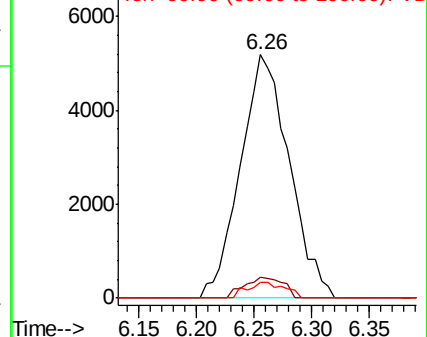
100 6.5 2.2 6.6

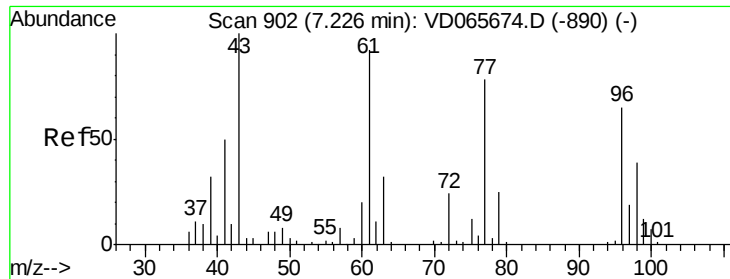


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 23.755 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

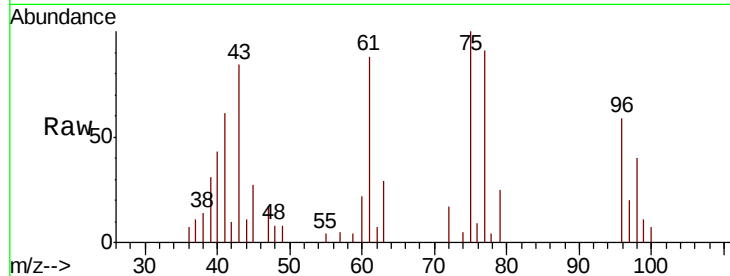
VSTDIC005

Tot Ion: 43 Resp: 10460

Ion Ratio Lower Upper

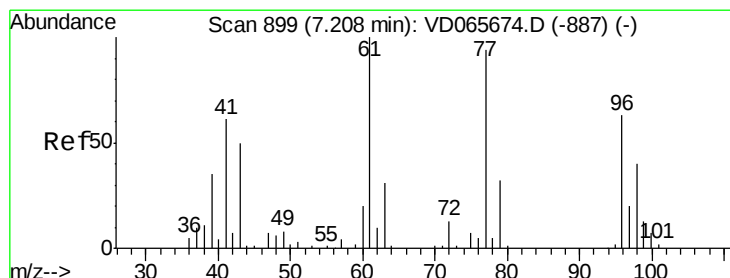
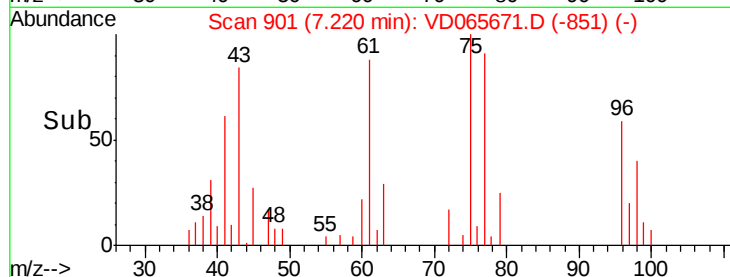
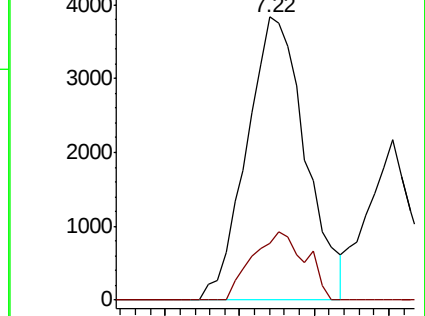
43 100

72 20.0 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 5.356 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065671.D

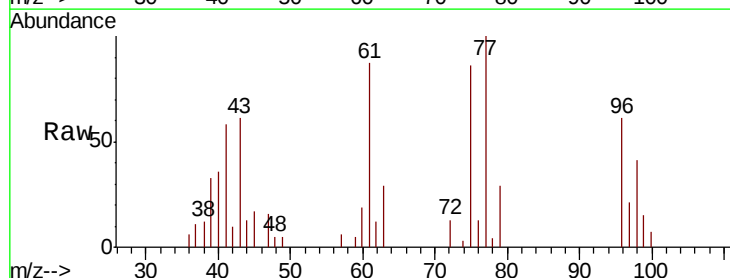
Acq: 24 Apr 2020 12:06

Tgt Ion: 77 Resp: 15776

Ion Ratio Lower Upper

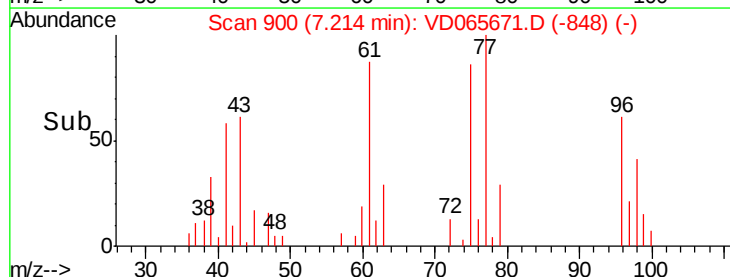
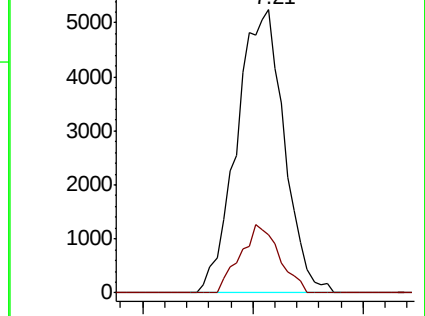
77 100

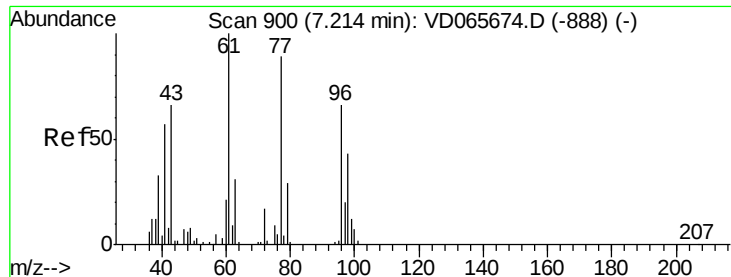
97 20.0 10.8 32.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 4.777 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

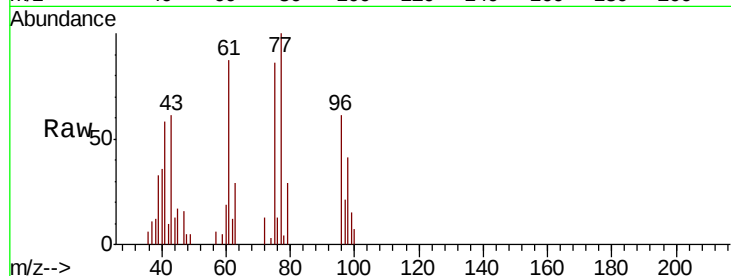
Tot Ion: 96 Resp: 8484

Ion Ratio Lower Upper

96 100

61 161.5 0.0 304.6

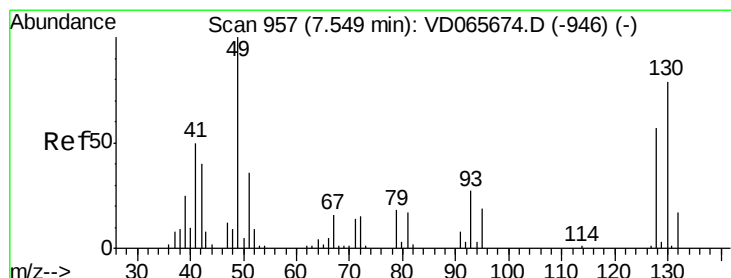
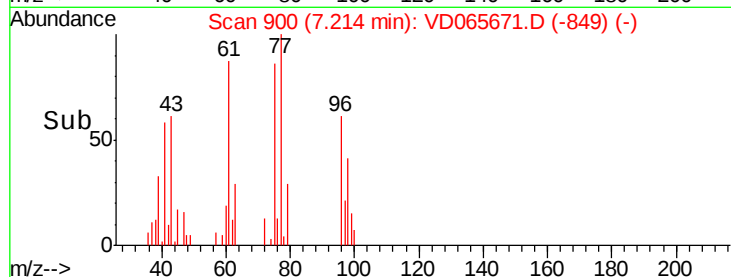
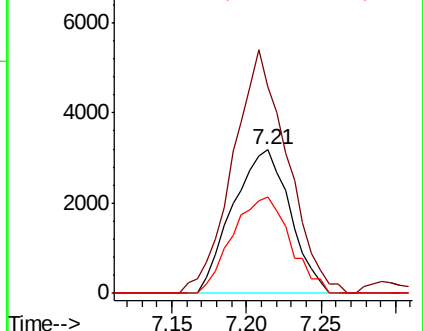
98 67.7 0.0 126.6



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: 5.257 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

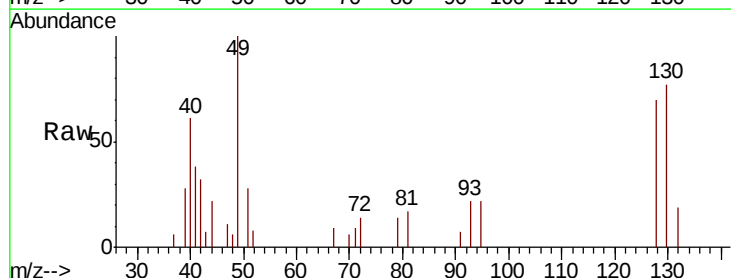
Tgt Ion: 49 Resp: 6827

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.4

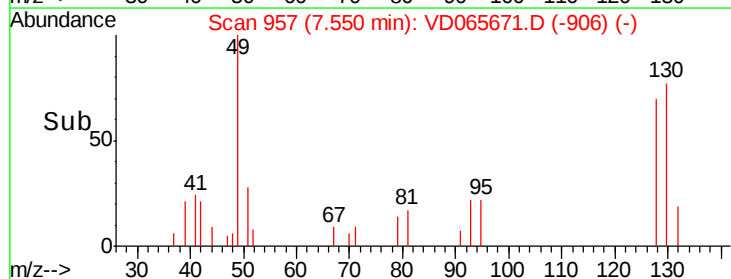
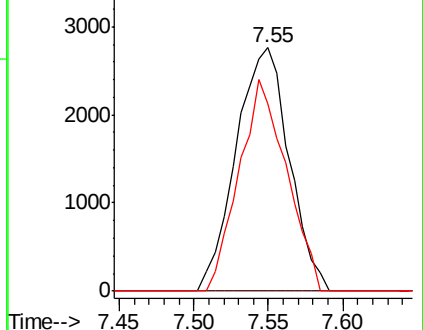
130 77.5 60.7 91.1

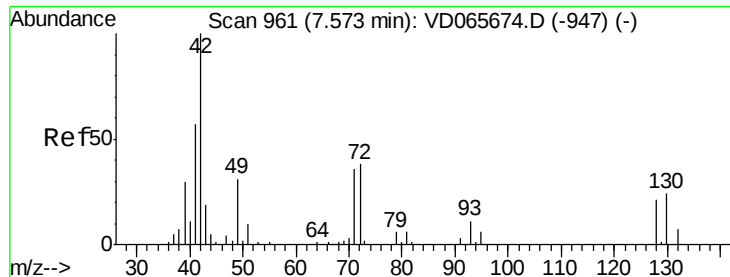


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

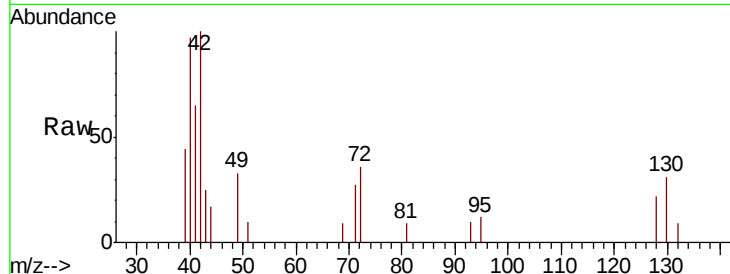




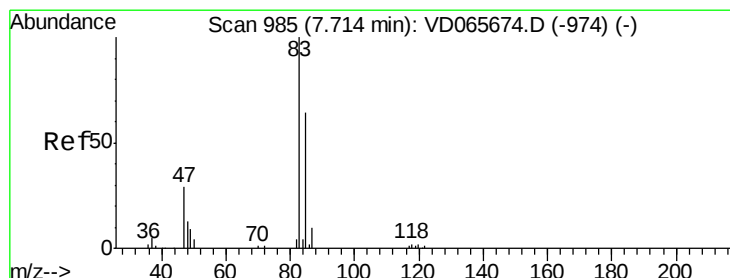
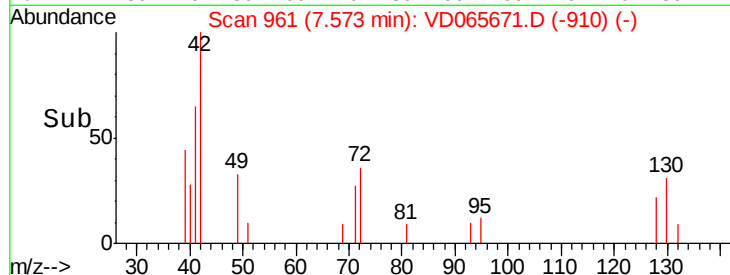
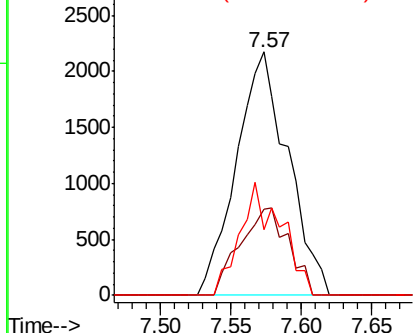
#29
Tetrahydrofuran
Concen: 21.246 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065671.D
Acq: 24 Apr 2020 12:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 42 Resp: 5559
Ion Ratio Lower Upper
42 100
72 33.7 31.2 46.8
71 36.7 28.9 43.3

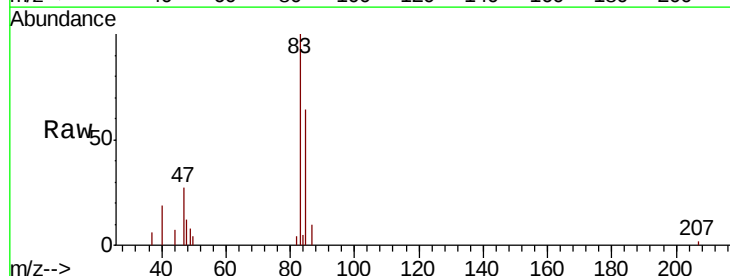


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

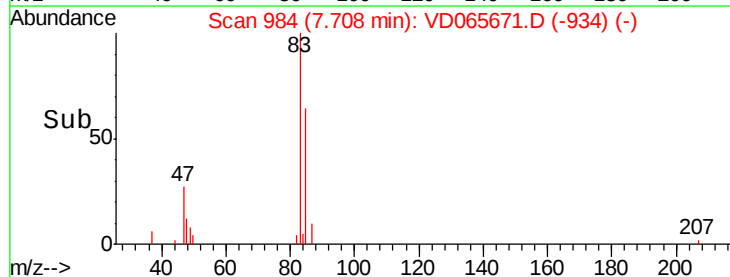
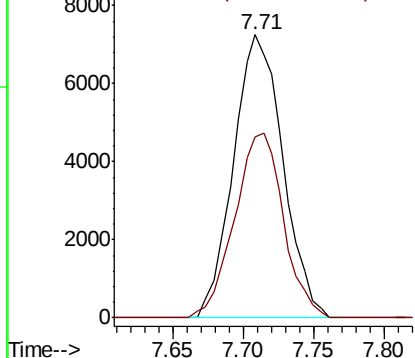


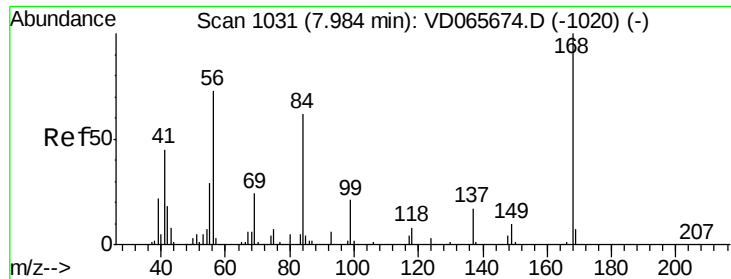
#30
Chloroform
Concen: 5.254 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065671.D
Acq: 24 Apr 2020 12:06

Tgt Ion: 83 Resp: 17748
Ion Ratio Lower Upper
83 100
85 63.8 51.5 77.3



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

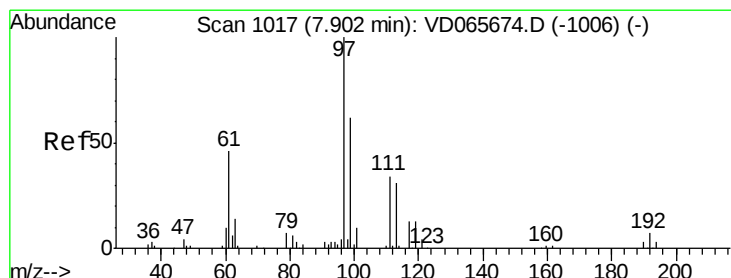
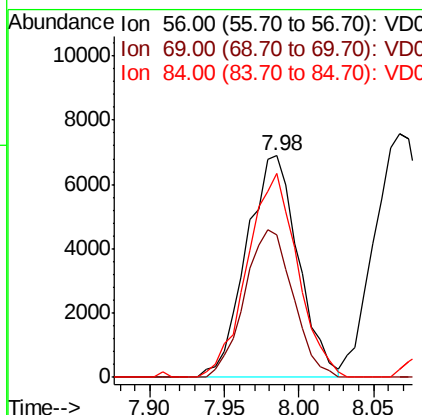
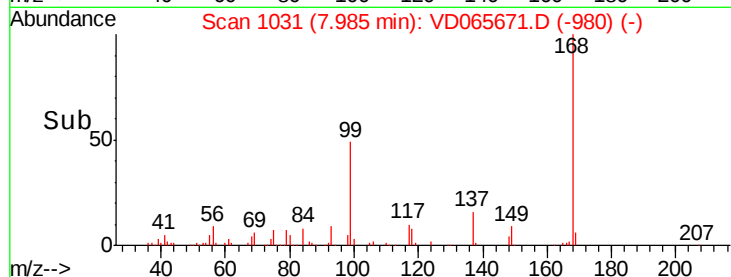
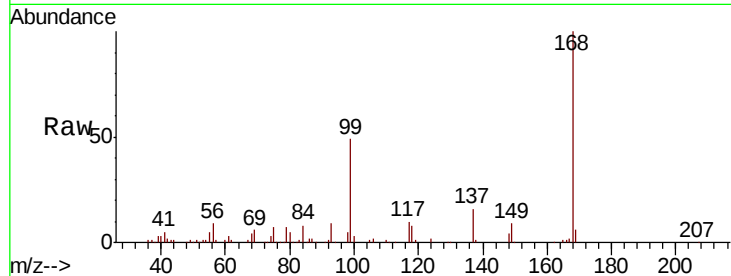




#31
Cyclohexane
Concen: 5.574 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065671.D
Acq: 24 Apr 2020 12:06

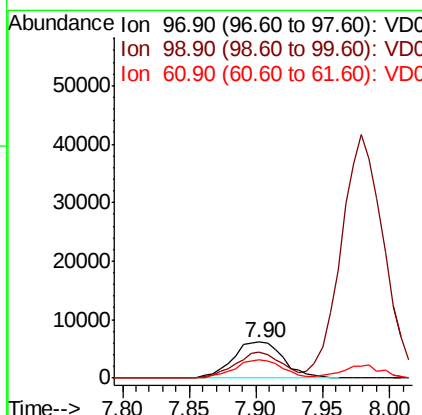
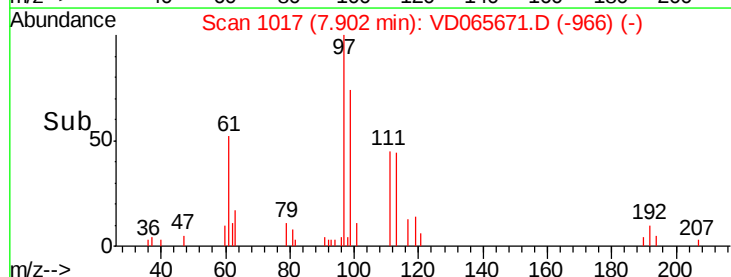
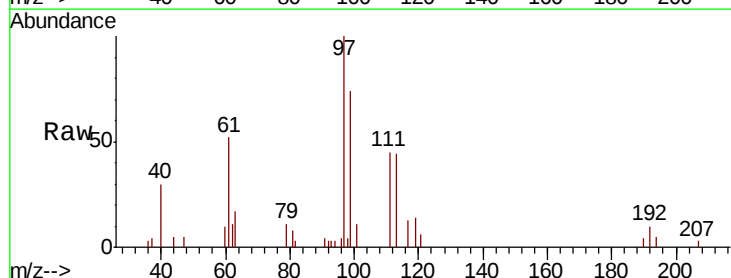
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

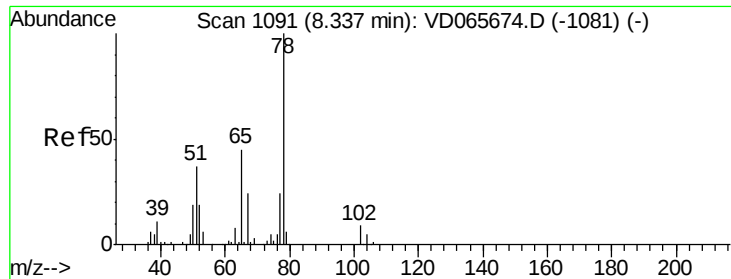
Tot Ion: 56 Resp: 16642
Ion Ratio Lower Upper
56 100
69 64.0 25.8 38.6#
84 92.0 68.3 102.5



#32
1,1,1-Trichloroethane
Concen: 5.270 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD065671.D
Acq: 24 Apr 2020 12:06

Tgt Ion: 97 Resp: 16188
Ion Ratio Lower Upper
97 100
99 65.2 51.0 76.4
61 47.9 37.4 56.2

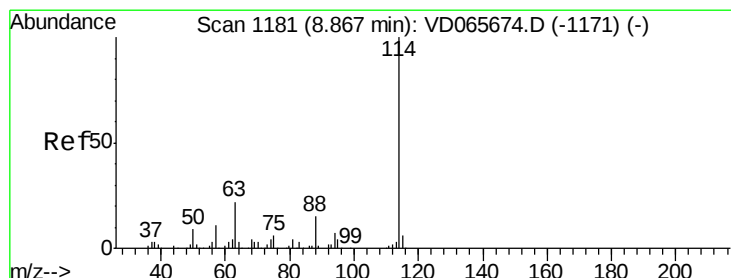
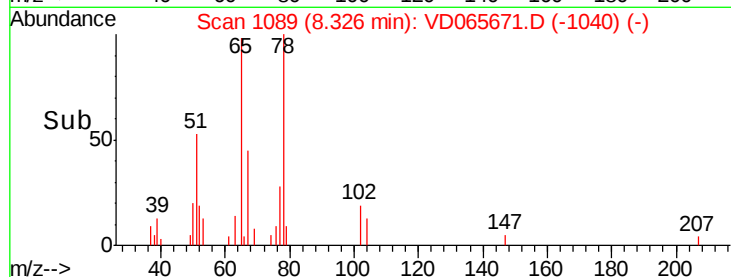
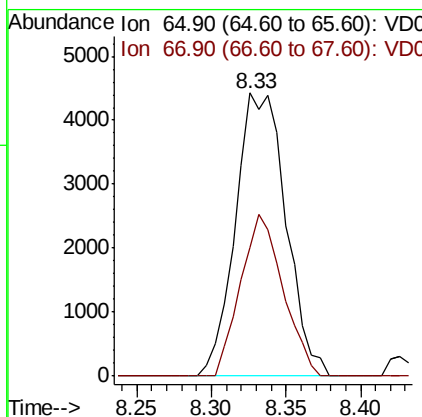
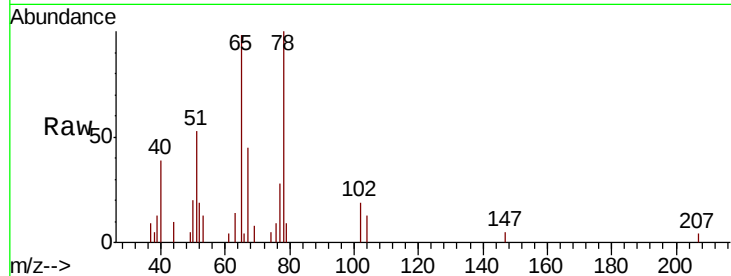




#33
 1,2-Dichloroethane-d4
 Concen: 5.758 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD065671.D
 Acq: 24 Apr 2020 12:06

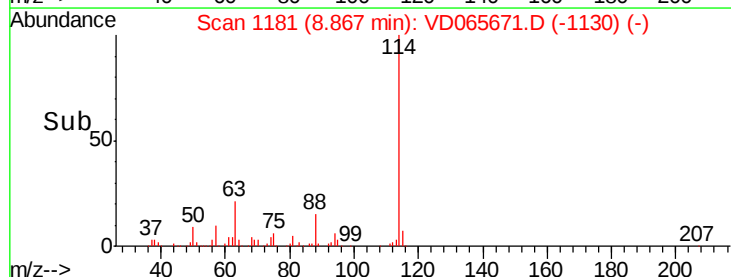
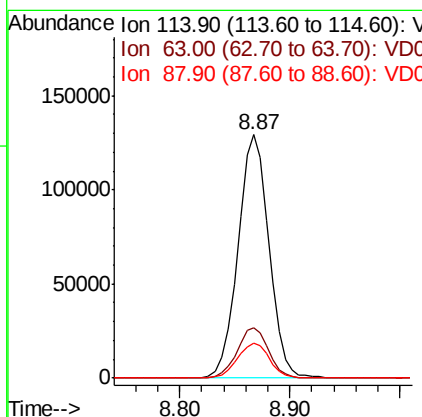
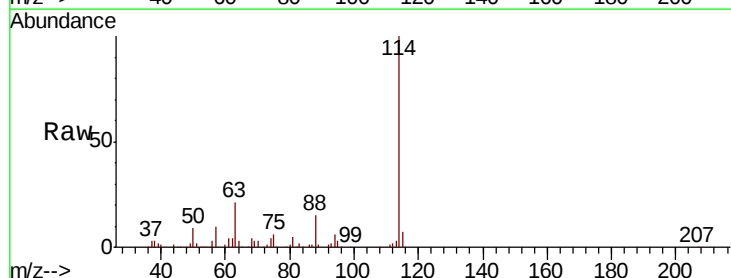
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

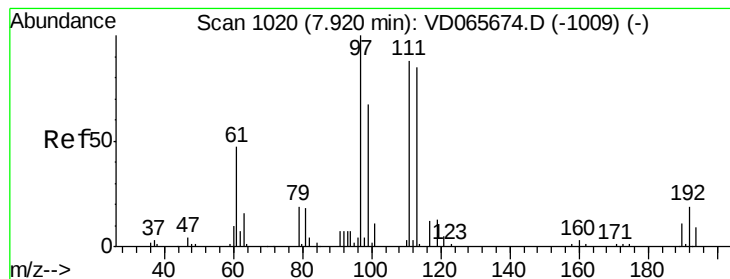
Tot Ion: 65 Resp: 10385
 Ion Ratio Lower Upper
 65 100
 67 47.9 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065671.D
 Acq: 24 Apr 2020 12:06

Tgt Ion: 114 Resp: 255113
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 44.0
 88 14.6 0.0 30.4





#35

Dibromofluoromethane

Concen: 5.266 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

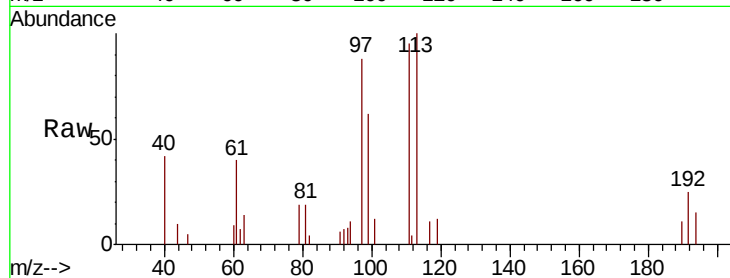
Tot Ion:113 Resp: 9357

Ion Ratio Lower Upper

113 100

111 103.8 83.4 125.0

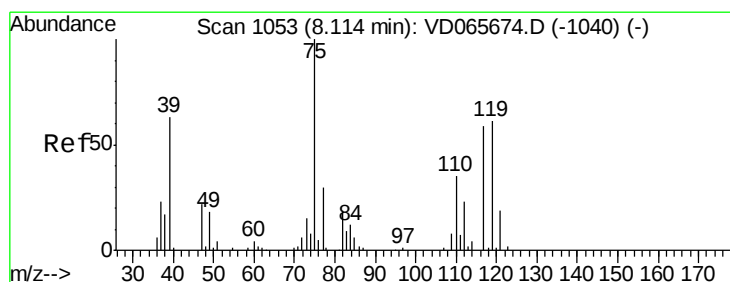
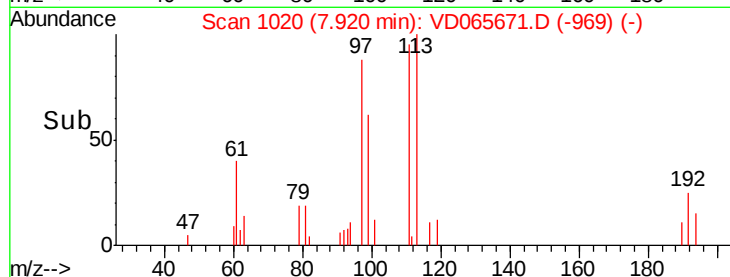
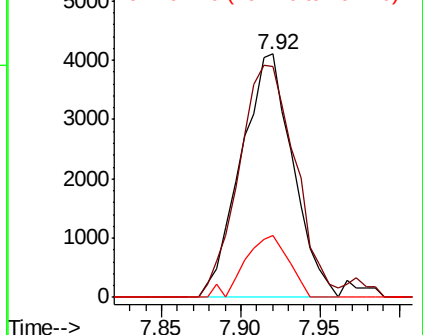
192 21.4 17.7 26.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.762 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

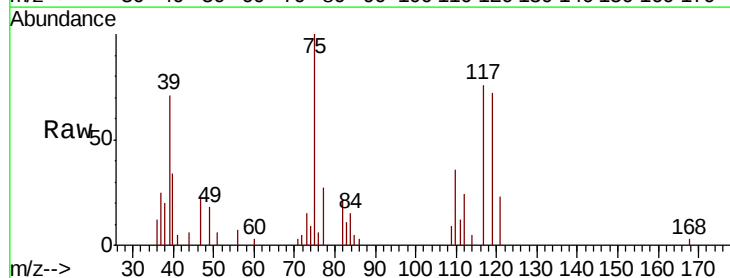
Tgt Ion: 75 Resp: 12817

Ion Ratio Lower Upper

75 100

110 33.9 17.2 51.5

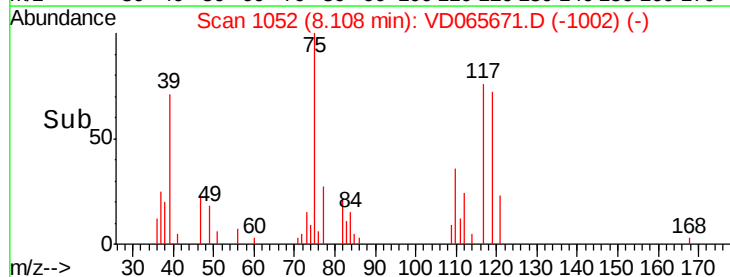
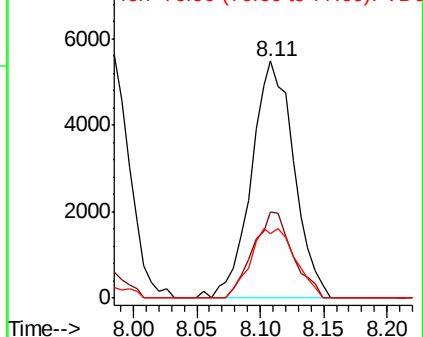
77 30.8 24.5 36.7

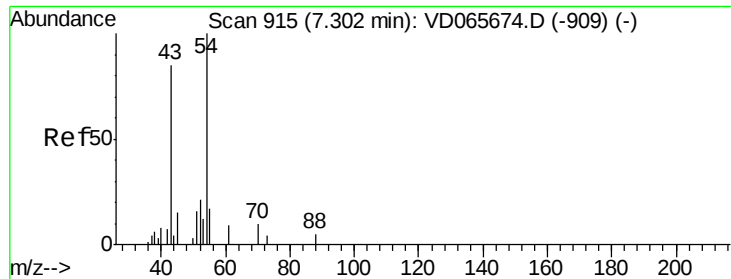


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

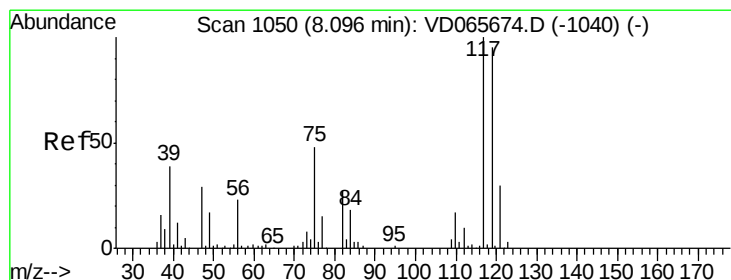
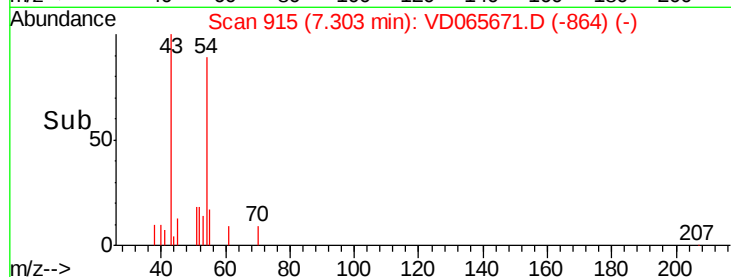
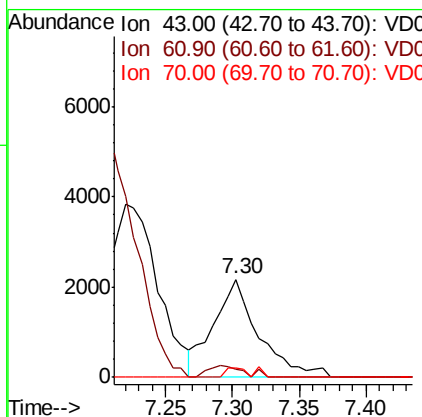
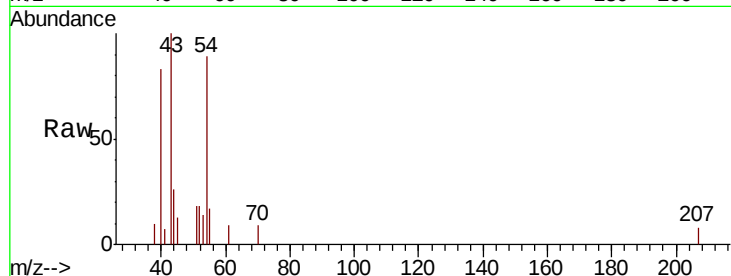




#37
Ethyl Acetate
Concen: 4.907 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065671.D
Acq: 24 Apr 2020 12:06

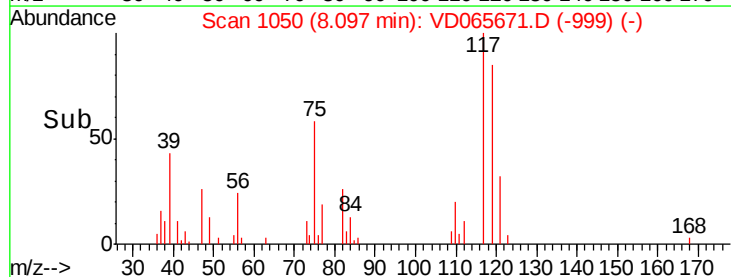
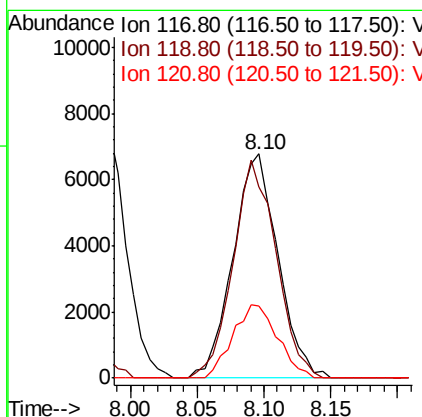
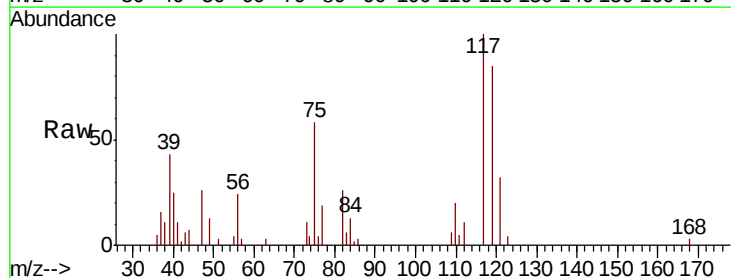
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

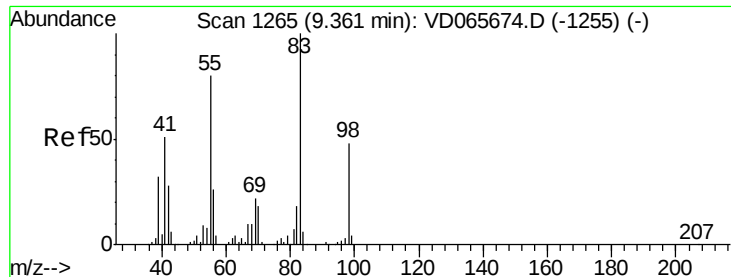
Tot Ion: 43 Resp: 5129
Ion Ratio Lower Upper
43 100
61 9.5 11.3 16.9#
70 4.0 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 5.128 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065671.D
Acq: 24 Apr 2020 12:06

Tgt Ion: 117 Resp: 15857
Ion Ratio Lower Upper
117 100
119 85.3 75.8 113.6
121 32.3 23.8 35.8

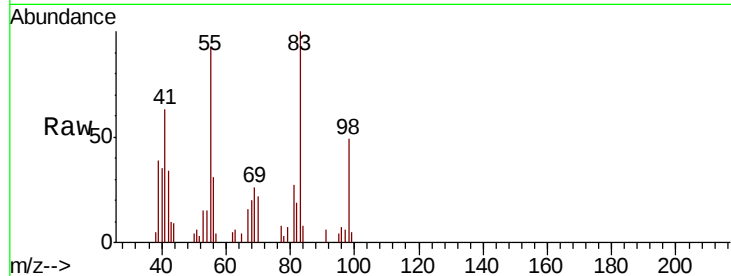




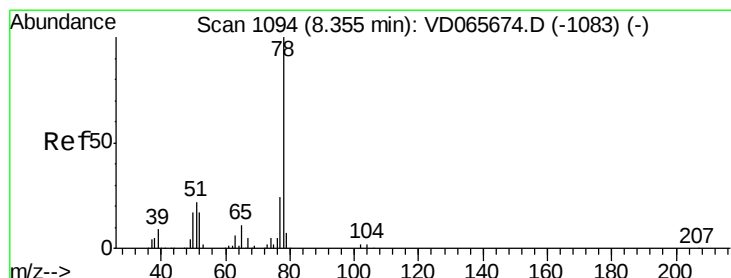
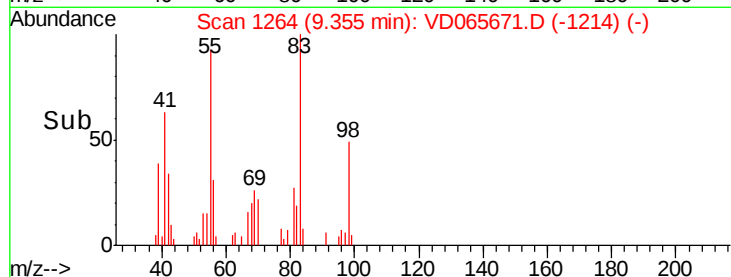
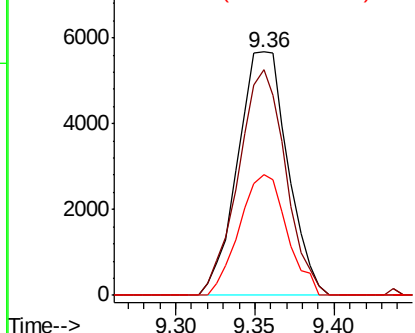
#39
Methvlcvclohexane
Concen: 4.510 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065671.D
Acq: 24 Apr 2020 12:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 83 Resp: 12482
Ion Ratio Lower Upper
83 100
55 92.9 64.2 96.2
98 49.4 38.1 57.1

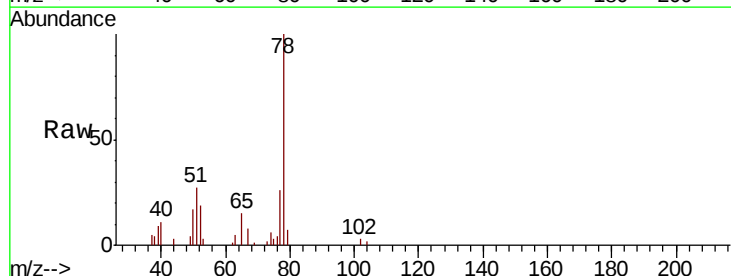


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

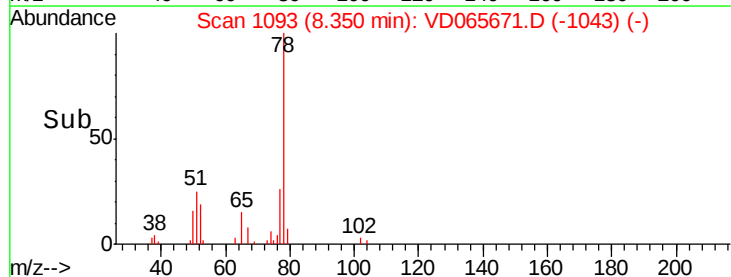
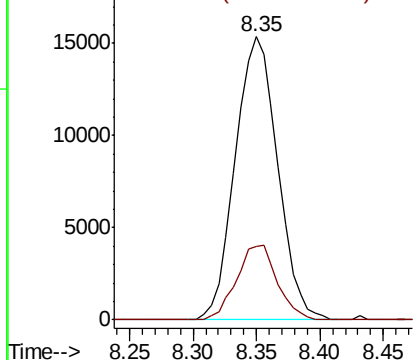


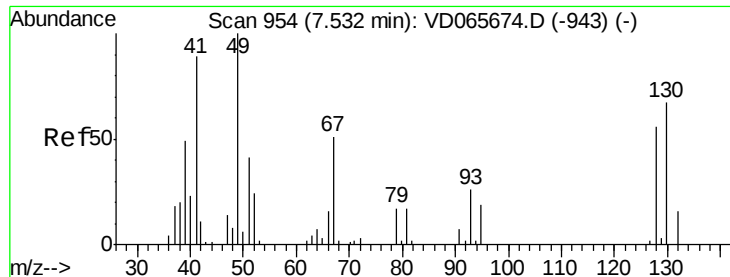
#40
Benzene
Concen: 4.833 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065671.D
Acq: 24 Apr 2020 12:06

Tgt Ion: 78 Resp: 35716
Ion Ratio Lower Upper
78 100
77 26.1 19.4 29.0



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

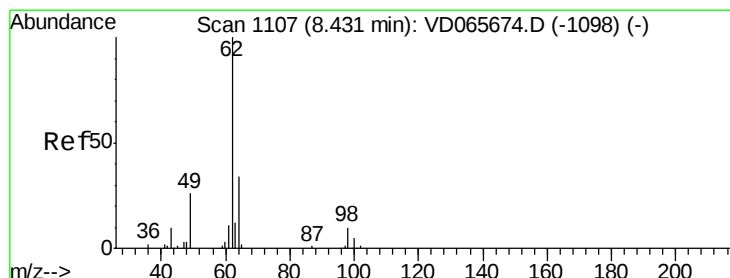
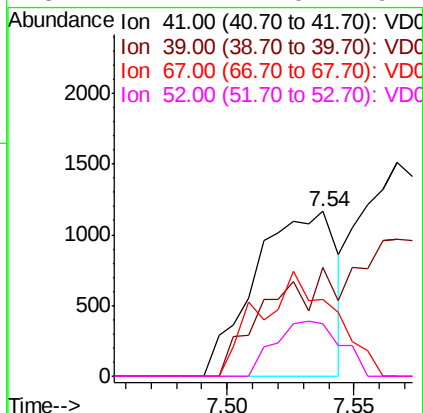
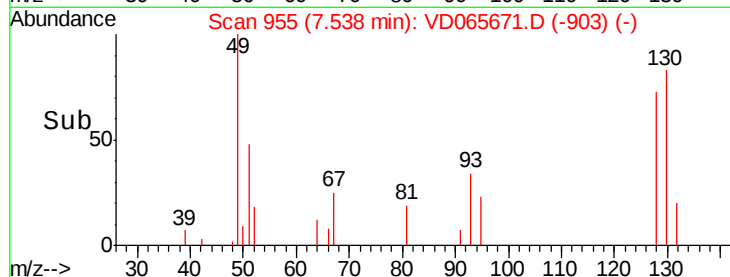
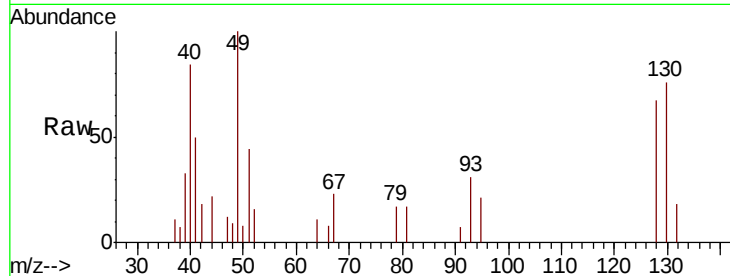




#41
Methacrylonitrile
Concen: 4.784 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065671.D
Acq: 24 Apr 2020 12:06

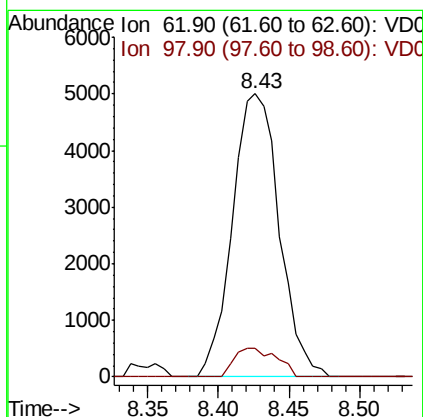
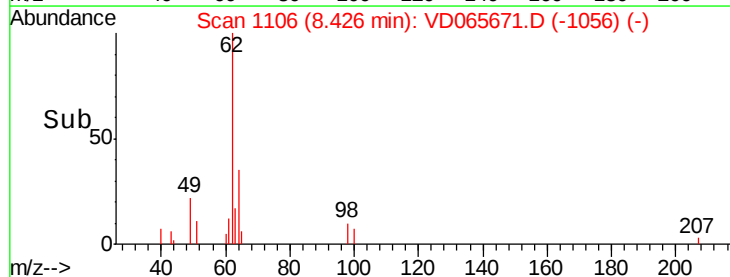
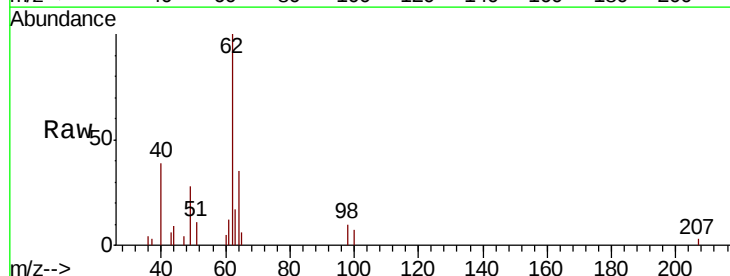
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

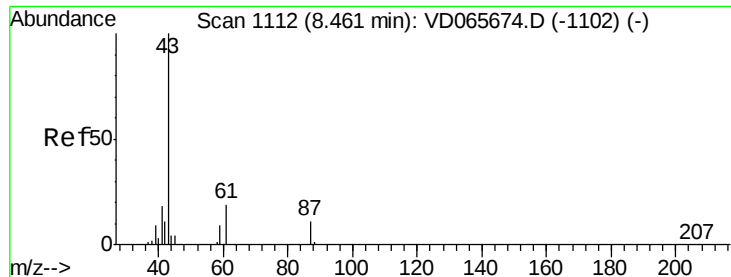
Tot Ion: 41 Resp: 2604
Ion Ratio Lower Upper
41 100
39 37.9 0.0 0.0#
67 58.4 56.0 84.0
52 27.2 27.0 40.4



#42
1,2-Dichloroethane
Concen: 5.009 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065671.D
Acq: 24 Apr 2020 12:06

Tgt Ion: 62 Resp: 11614
Ion Ratio Lower Upper
62 100
98 9.2 0.0 17.2





#43

Isopropyl Acetate

Concen: 4.452 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

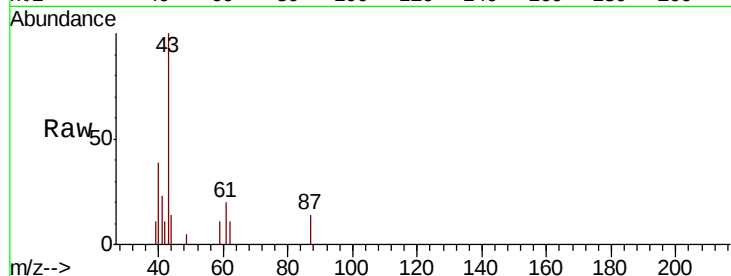
Tot Ion: 43 Resp: 8483

Ion Ratio Lower Upper

43 100

61 34.8 24.4 36.6

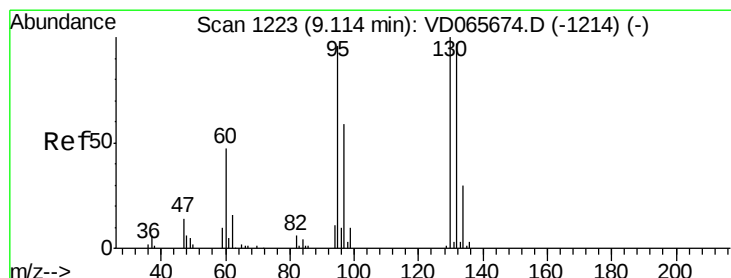
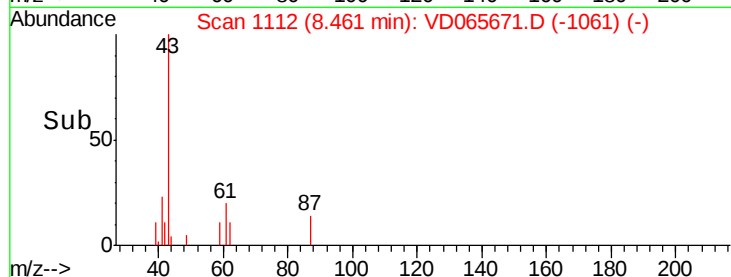
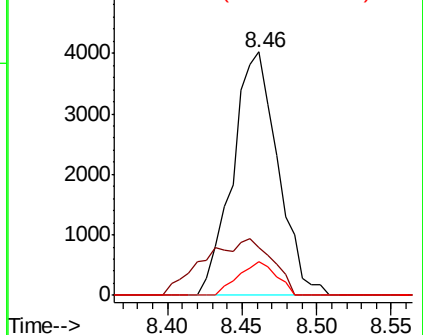
87 11.5 9.3 13.9



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: 4.963 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD065671.D

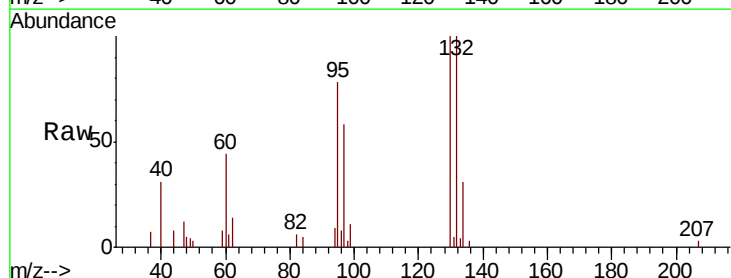
Acq: 24 Apr 2020 12:06

Tgt Ion: 130 Resp: 10370

Ion Ratio Lower Upper

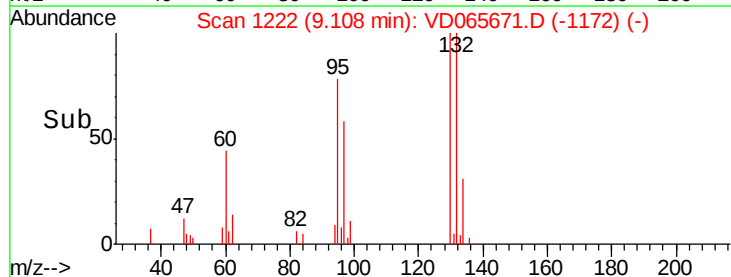
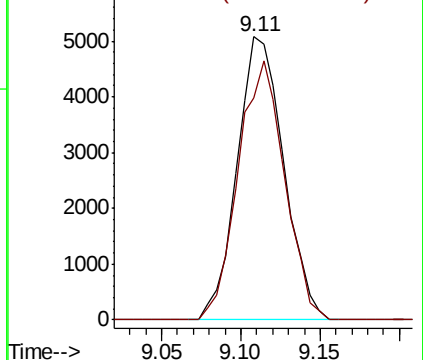
130 100

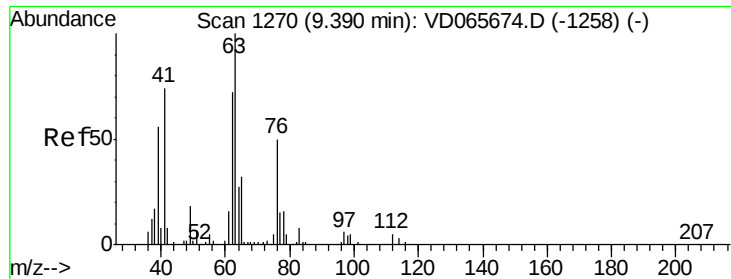
95 78.3 0.0 191.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 4.765 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

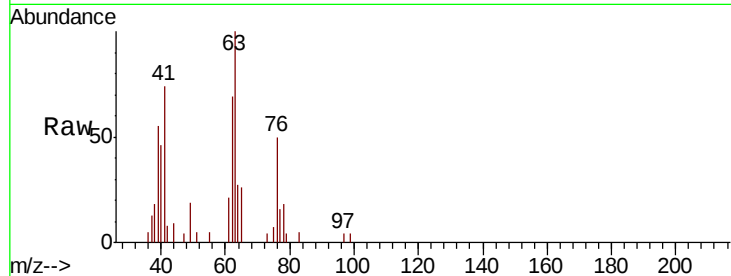
VSTDIC005

Tot Ion: 63 Resp: 8972

Ion Ratio Lower Upper

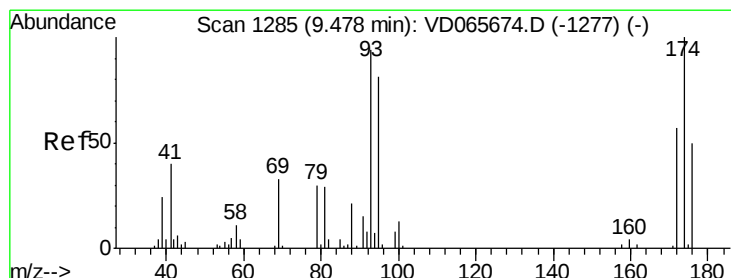
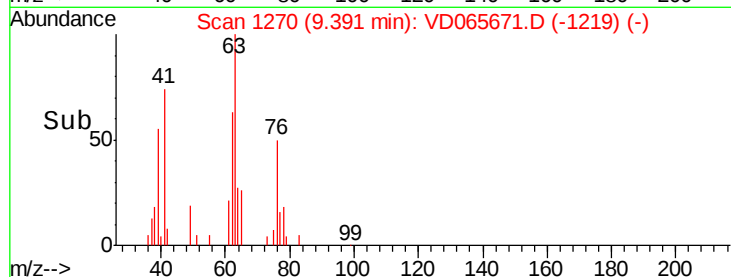
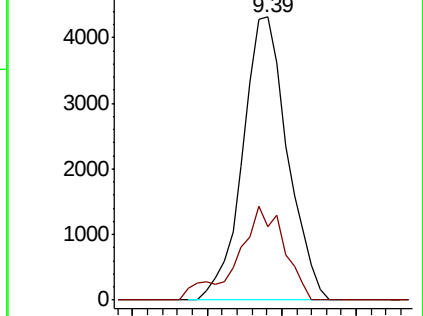
63 100

65 26.2 25.5 38.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 4.770 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

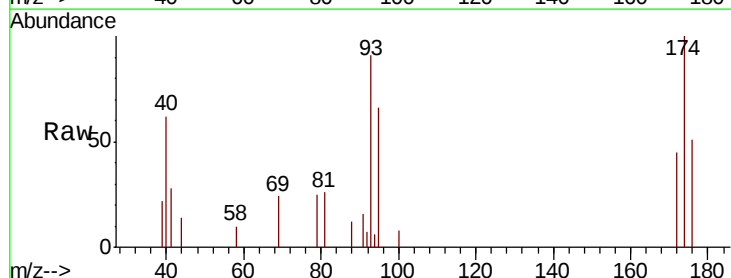
Tgt Ion: 93 Resp: 4656

Ion Ratio Lower Upper

93 100

95 82.9 66.1 99.1

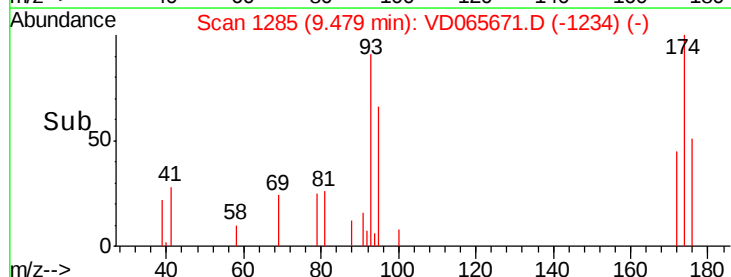
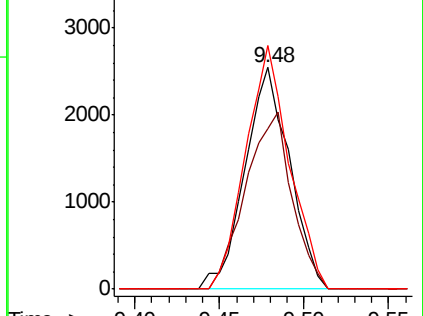
174 107.7 86.4 129.6

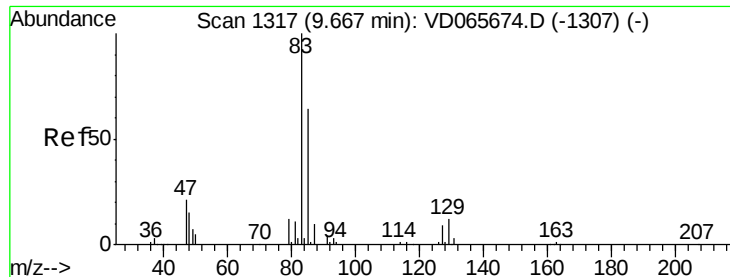


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 4.970 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

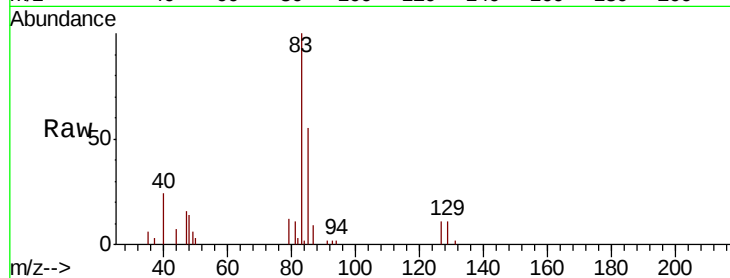
Tot Ion: 83 Resp: 13328

Ion Ratio Lower Upper

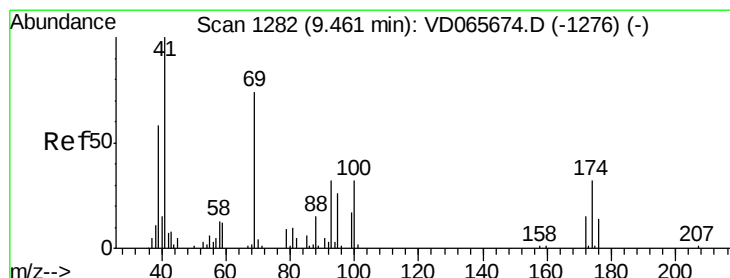
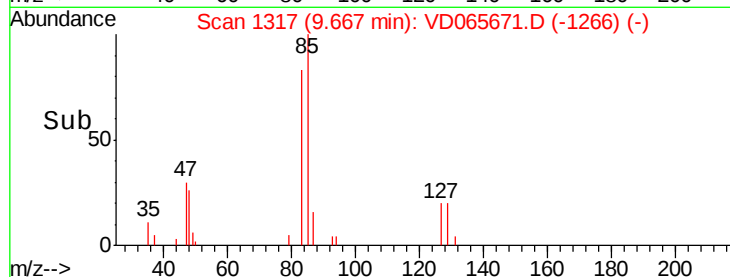
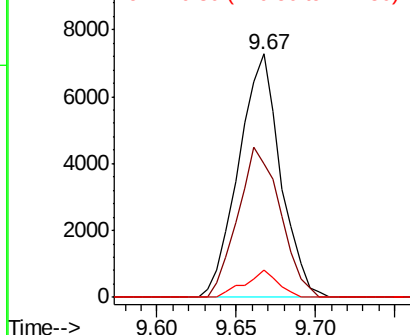
83 100

85 55.0 51.0 76.6

127 11.2 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: 4.703 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

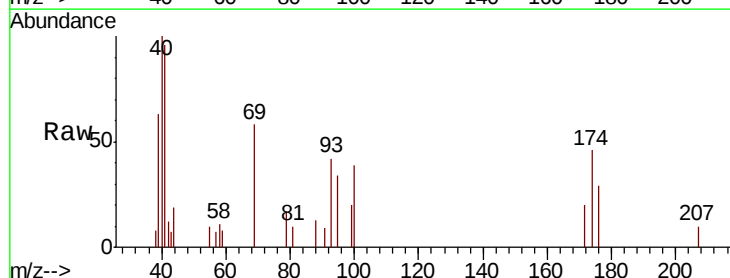
Tgt Ion: 41 Resp: 4352

Ion Ratio Lower Upper

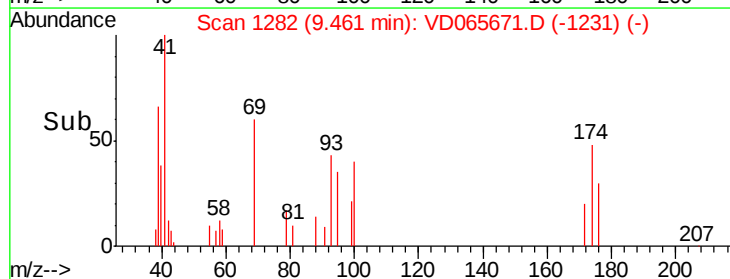
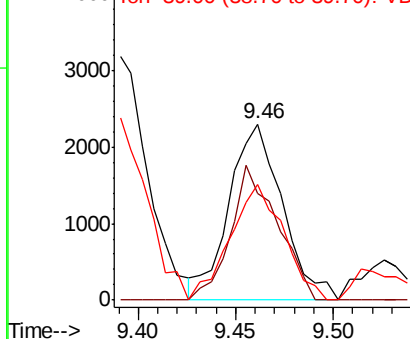
41 100

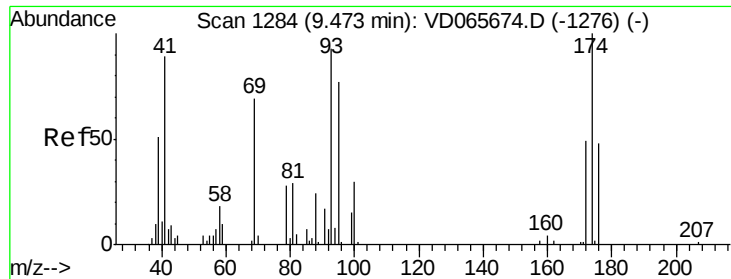
69 67.1 62.4 93.6

39 65.9 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: 77.028 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

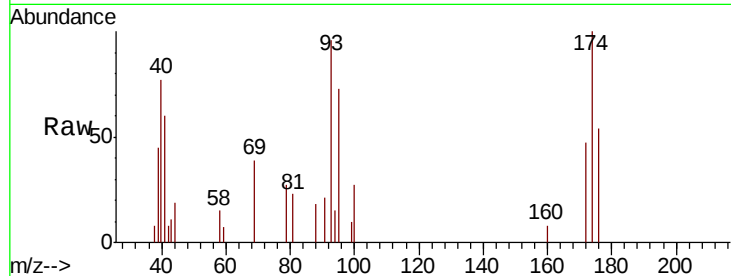
Tot Ion: 88 Resp: 783

Ion Ratio Lower Upper

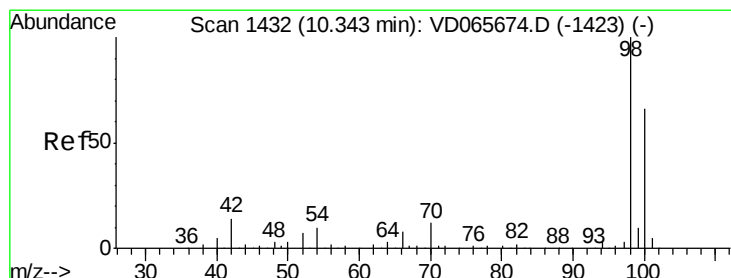
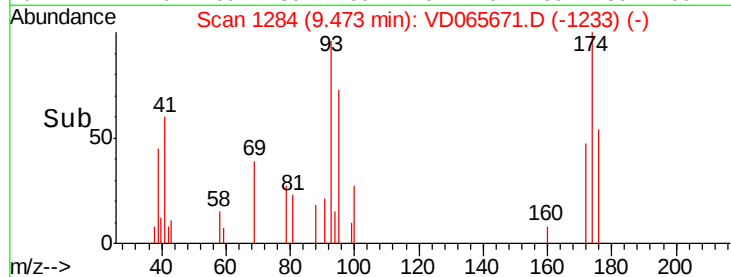
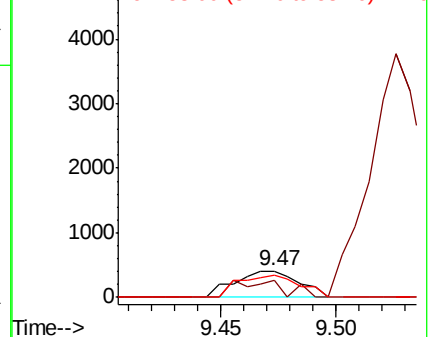
88 100

43 49.2 34.2 51.2

58 81.6 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: 4.751 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065671.D

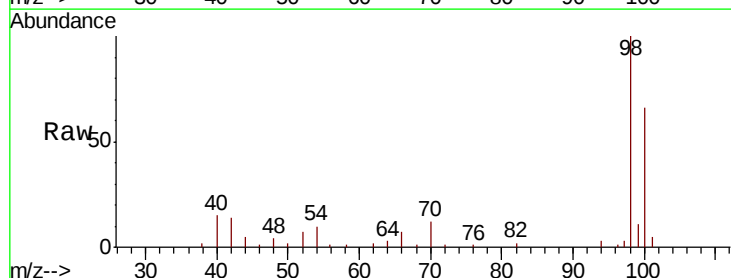
Acq: 24 Apr 2020 12:06

Tgt Ion: 98 Resp: 29442

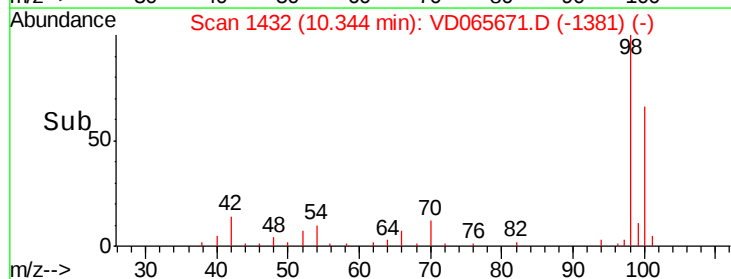
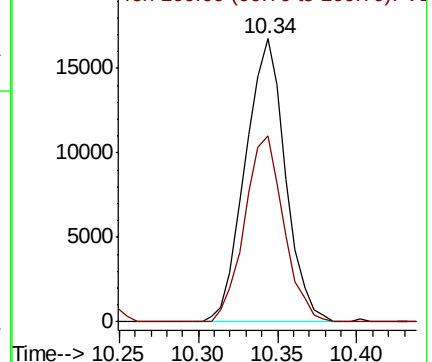
Ion Ratio Lower Upper

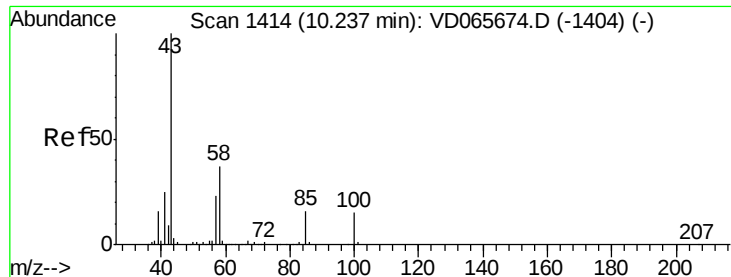
98 100

100 64.2 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: 20.482 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

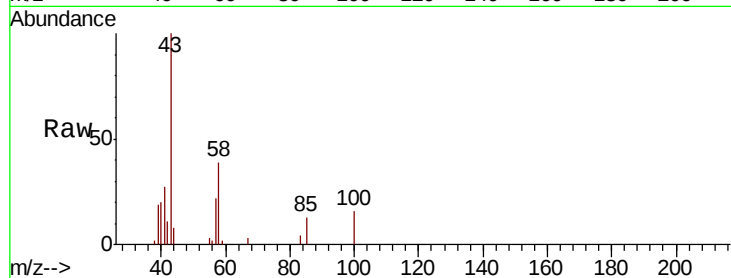
VSTDIC005

Tot Ion: 43 Resp: 20008

Ion Ratio Lower Upper

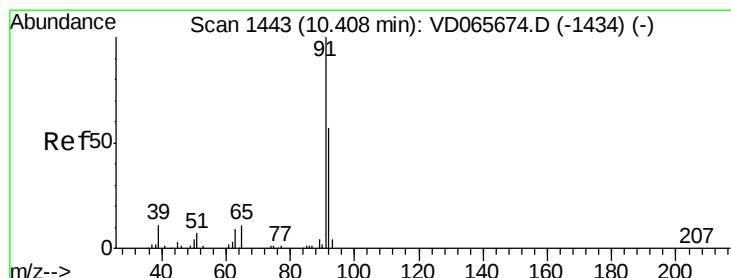
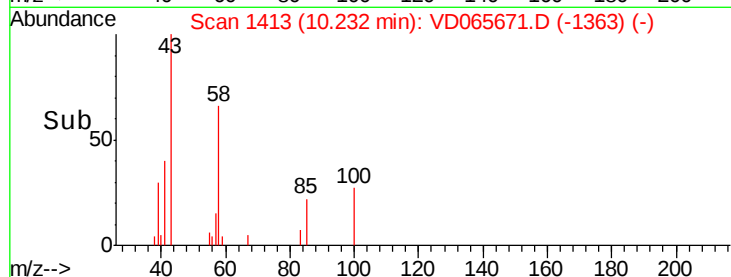
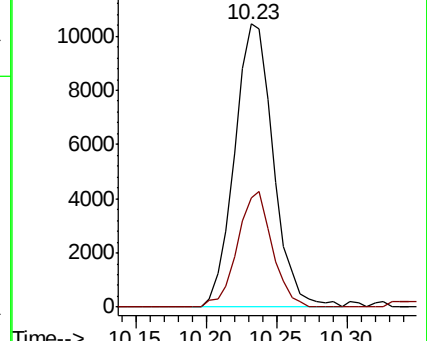
43 100

58 36.5 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: 4.330 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD065671.D

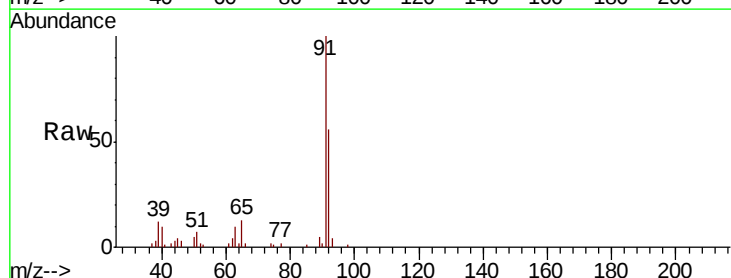
Acq: 24 Apr 2020 12:06

Tgt Ion: 92 Resp: 19429

Ion Ratio Lower Upper

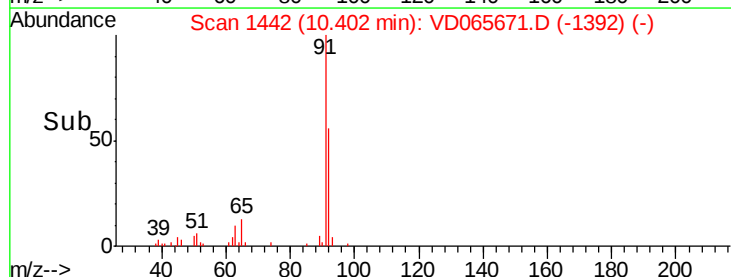
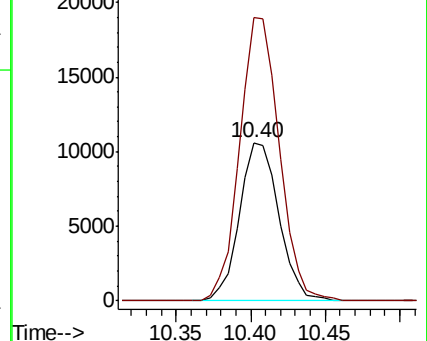
92 100

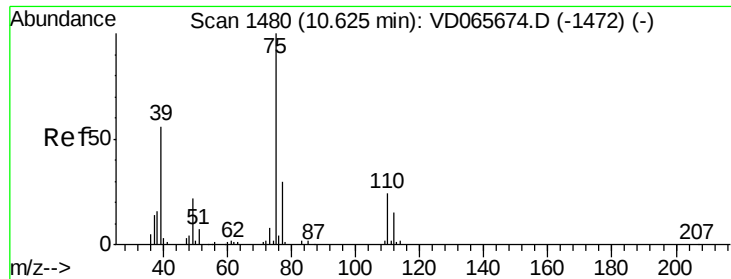
91 180.0 139.2 208.8



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: 4.460 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

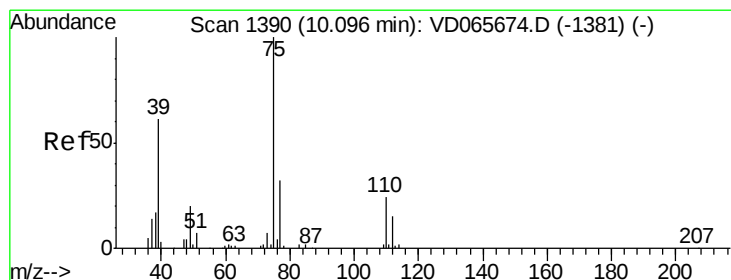
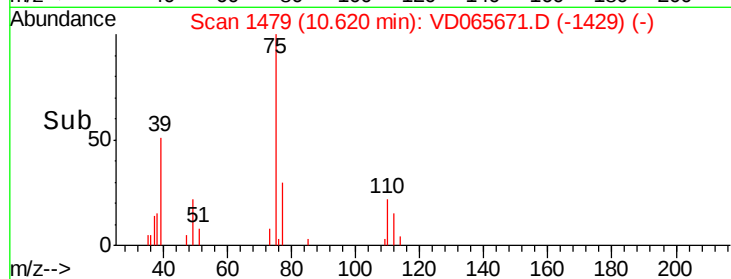
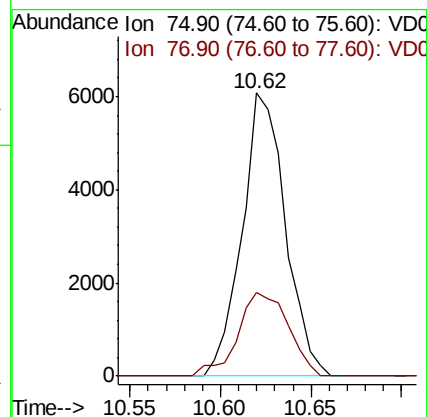
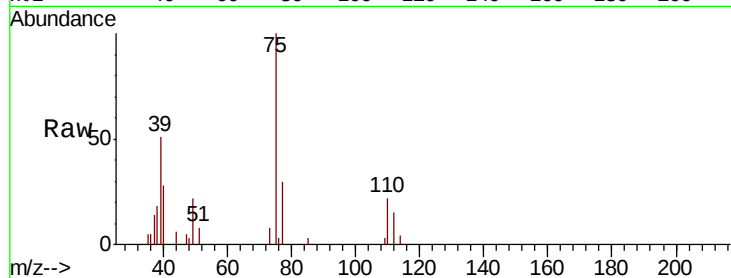
VSTDIC005

Tot Ion: 75 Resp: 10090

Ion Ratio Lower Upper

75 100

77 29.6 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 4.500 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

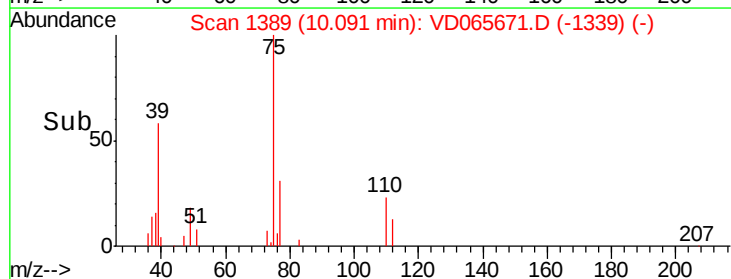
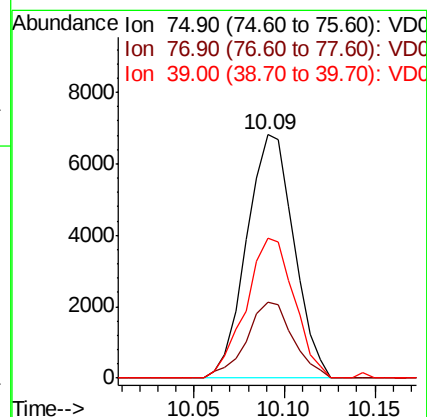
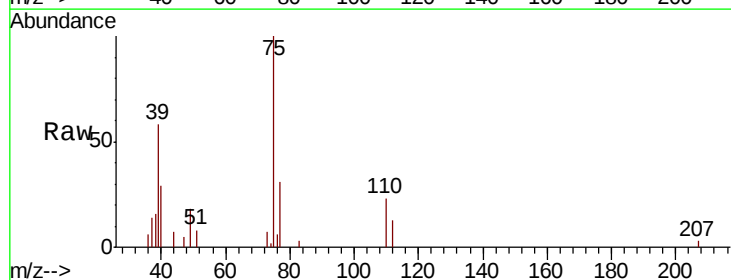
Tgt Ion: 75 Resp: 12332

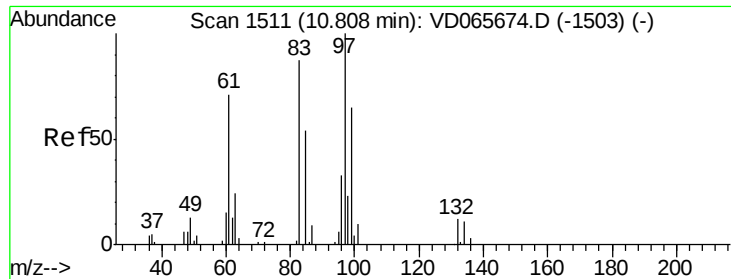
Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.0

39 57.6 48.5 72.7

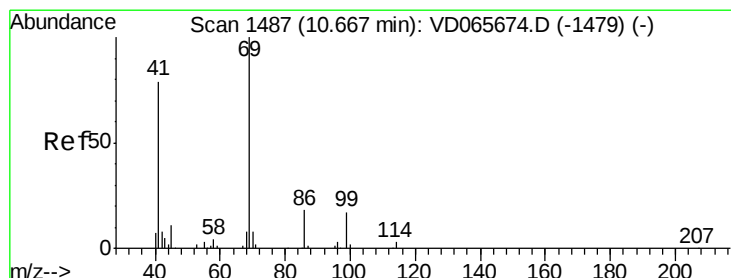
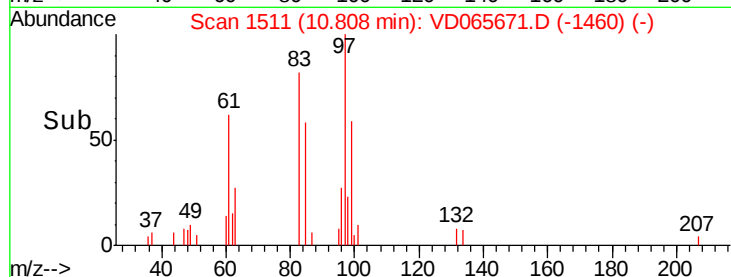
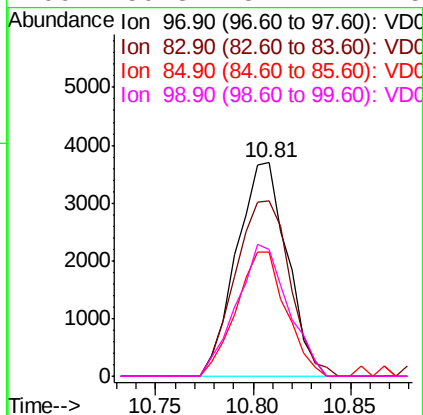
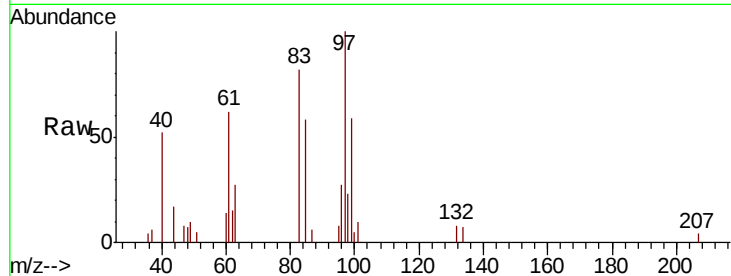




#55
 1,1,2-Trichloroethane
 Concen: 4.855 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065671.D
 Acq: 24 Apr 2020 12:06

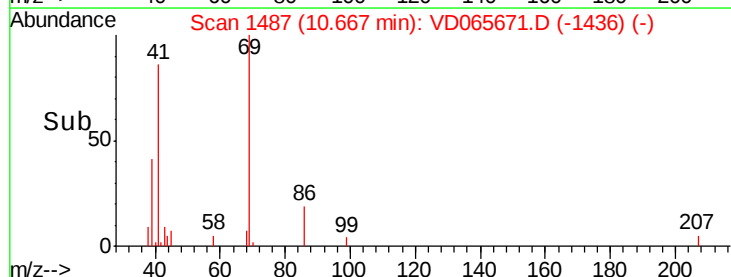
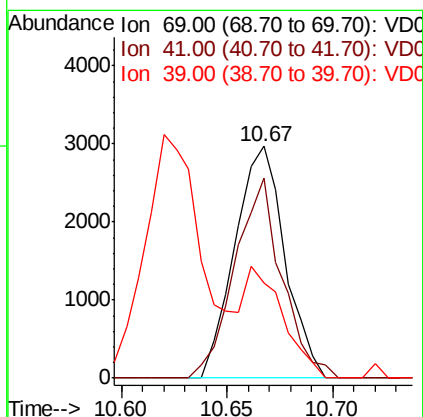
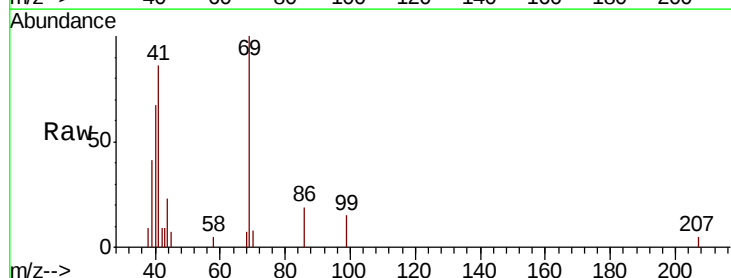
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

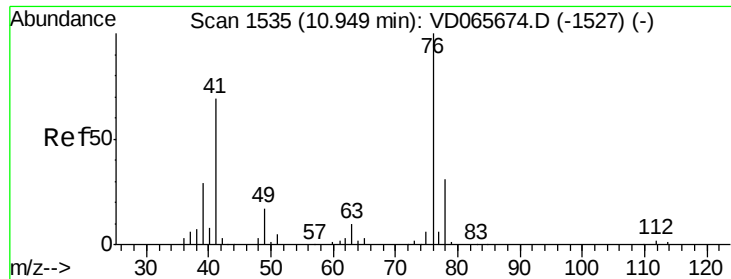
Tot Ion: 97 Resp: 6641
 Ion Ratio Lower Upper
 97 100
 83 82.3 69.6 104.4
 85 58.3 43.5 65.3
 99 59.3 51.7 77.5



#56
 Ethyl methacrylate
 Concen: 3.829 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065671.D
 Acq: 24 Apr 2020 12:06

Tgt Ion: 69 Resp: 4885
 Ion Ratio Lower Upper
 69 100
 41 81.4 62.3 93.5
 39 35.4 34.4 51.6

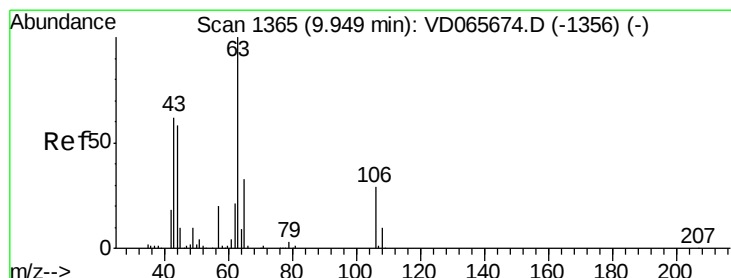
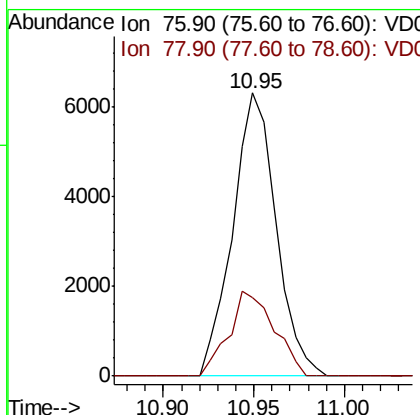
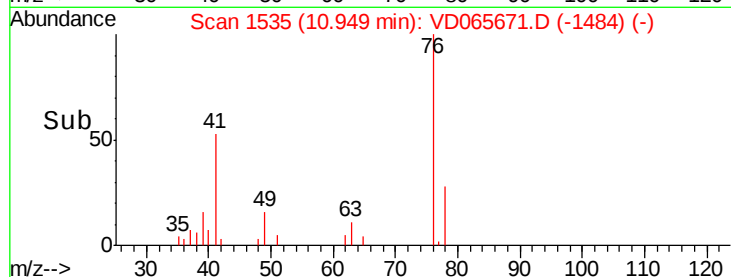
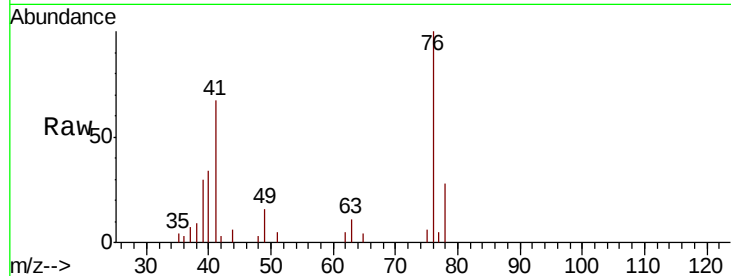




#57
 1,3-Dichloropropane
 Concen: 4.647 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065671.D
 Acq: 24 Apr 2020 12:06

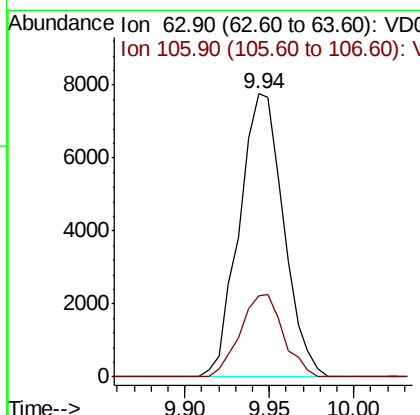
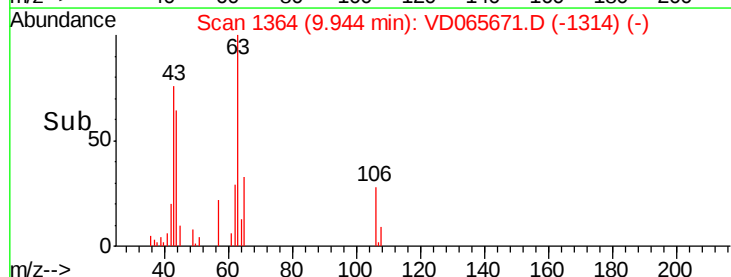
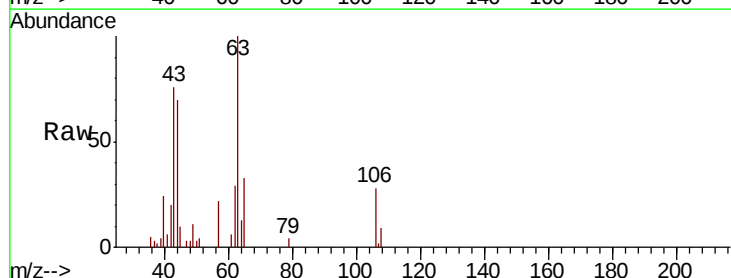
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

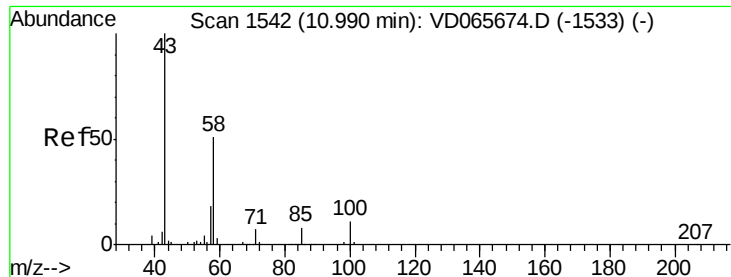
Tot Ion: 76 Resp: 10539
 Ion Ratio Lower Upper
 76 100
 78 31.1 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 20.702 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065671.D
 Acq: 24 Apr 2020 12:06

Tgt Ion: 63 Resp: 14147
 Ion Ratio Lower Upper
 63 100
 106 28.3 22.9 34.3

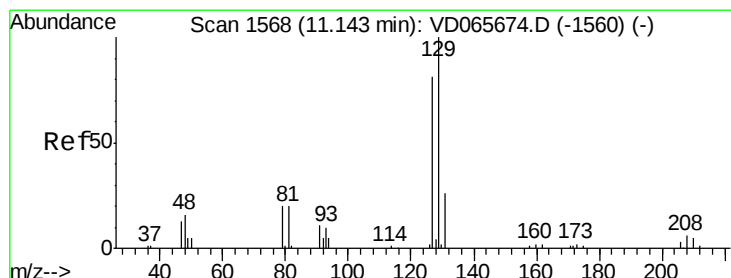
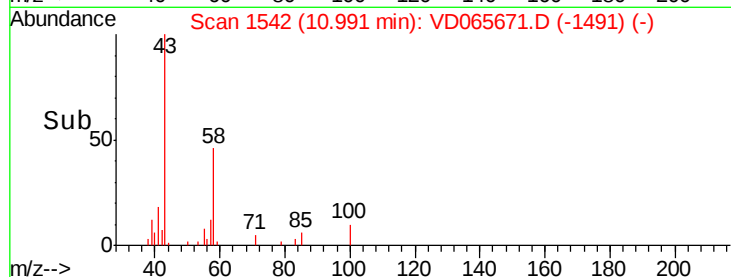
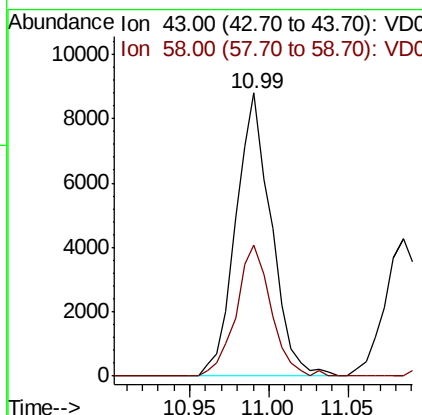
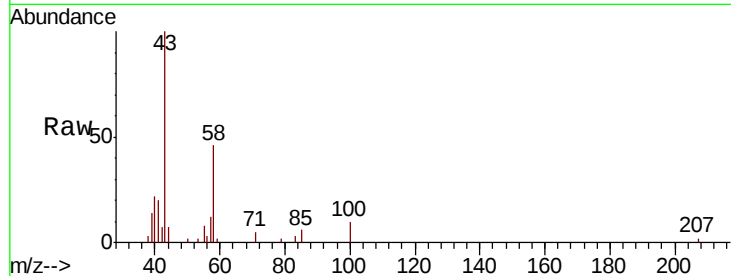




#59
2-Hexanone
Concen: 20.618 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065671.D
Acq: 24 Apr 2020 12:06

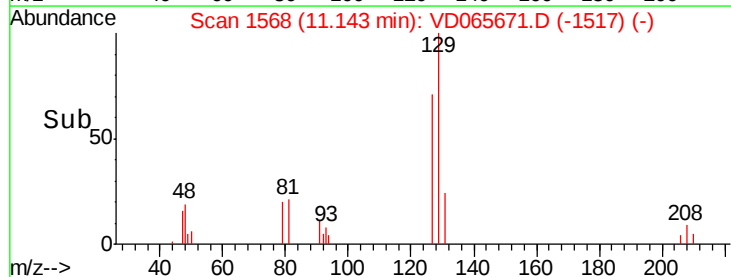
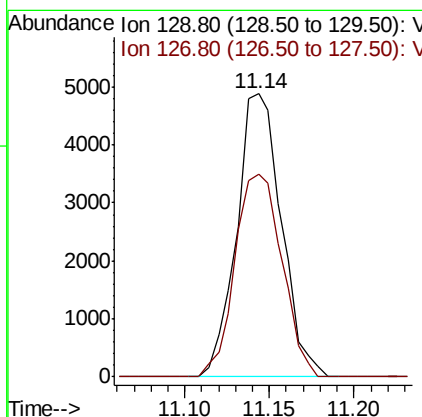
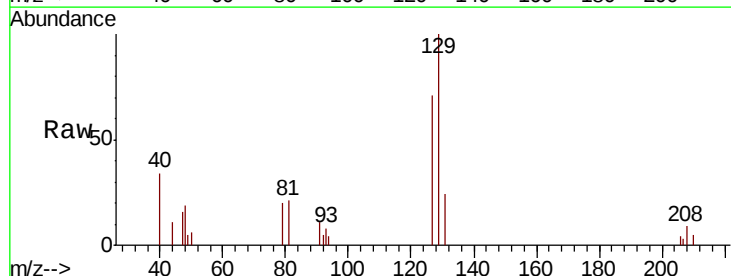
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

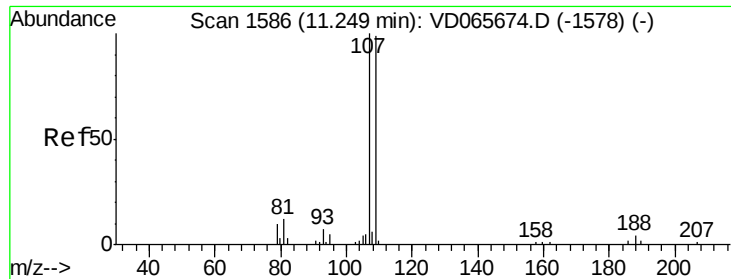
Tot Ion: 43 Resp: 13660
Ion Ratio Lower Upper
43 100
58 45.4 24.9 74.7



#60
Dibromochloromethane
Concen: 4.918 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065671.D
Acq: 24 Apr 2020 12:06

Tgt Ion: 129 Resp: 8981
Ion Ratio Lower Upper
129 100
127 75.0 39.5 118.5

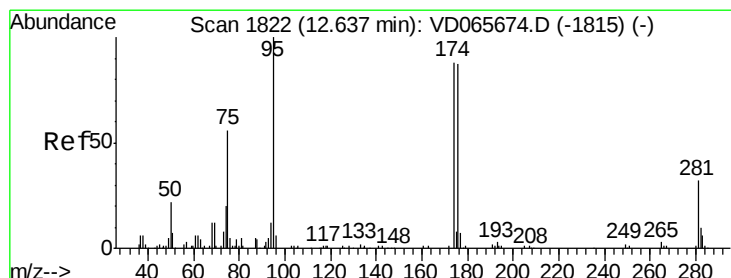
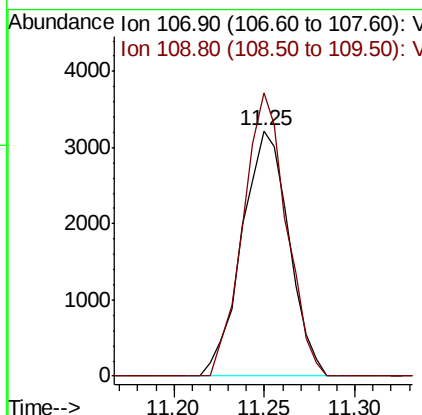
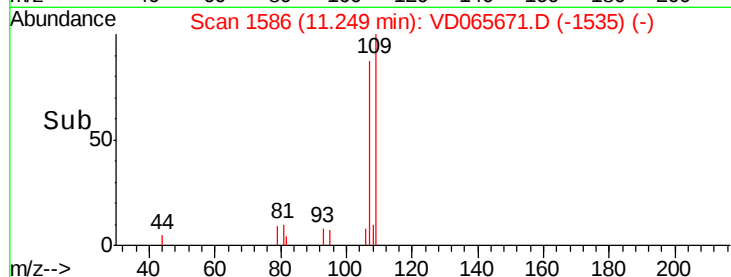
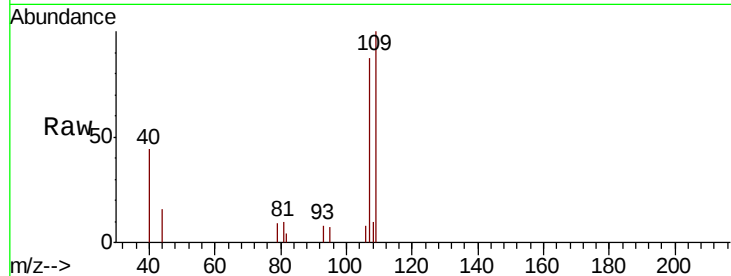




#61
 1,2-Dibromoethane
 Concen: 4.630 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065671.D
 Acq: 24 Apr 2020 12:06

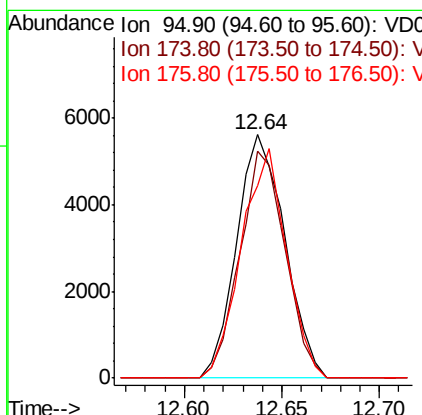
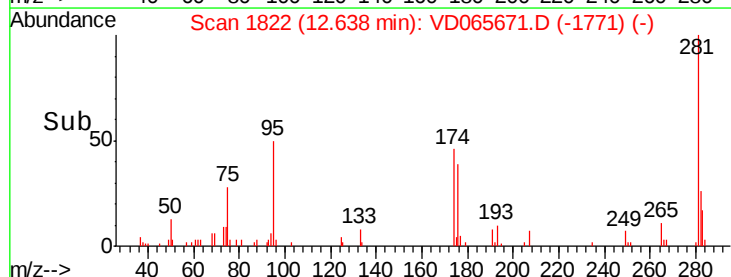
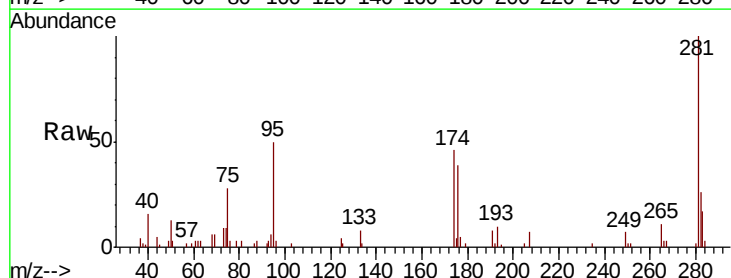
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

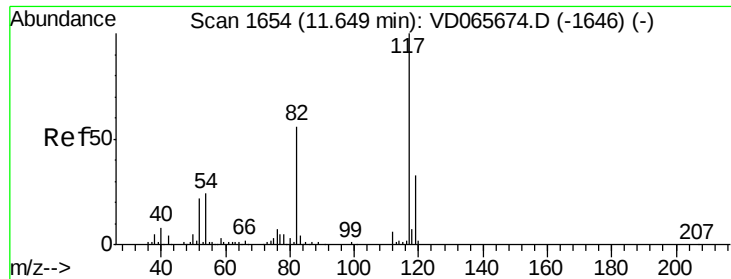
Tot Ion:107 Resp: 5823
 Ion Ratio Lower Upper
 107 100
 109 105.8 77.2 115.8



#62
 4-Bromofluorobenzene
 Concen: 4.794 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065671.D
 Acq: 24 Apr 2020 12:06

Tgt Ion: 95 Resp: 9600
 Ion Ratio Lower Upper
 95 100
 174 87.8 0.0 181.0
 176 88.3 0.0 178.0

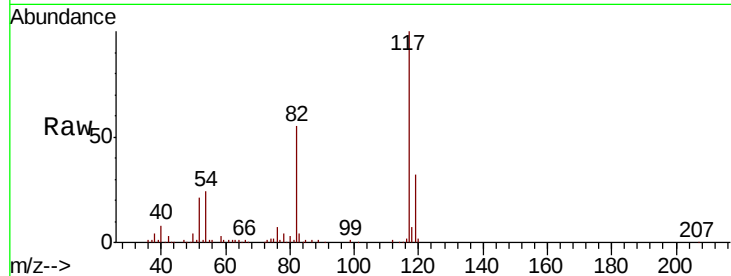




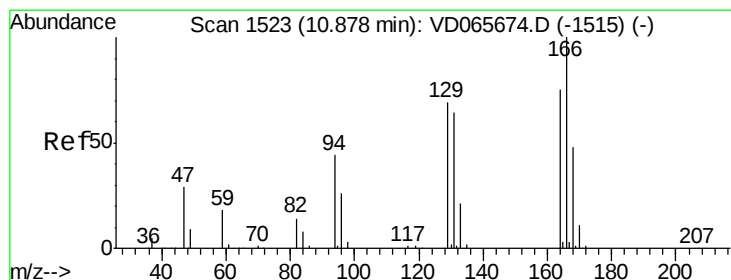
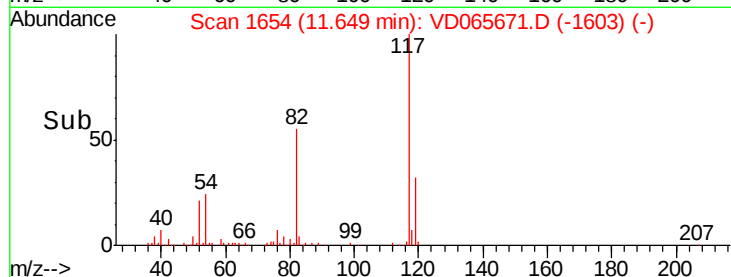
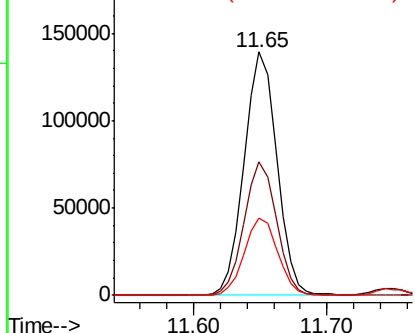
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065671.D
Acq: 24 Apr 2020 12:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 236625
Ion Ratio Lower Upper
117 100
82 54.8 44.6 67.0
119 31.9 26.2 39.2

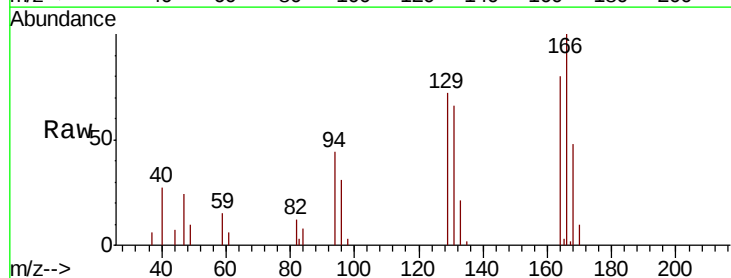


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

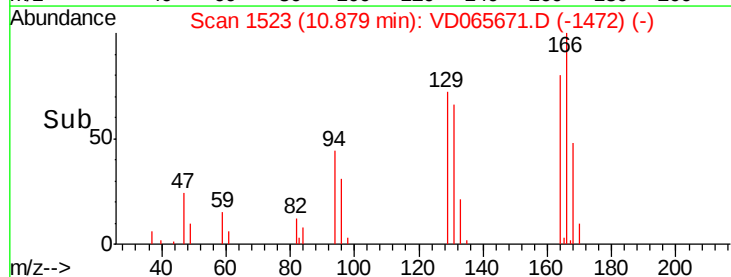
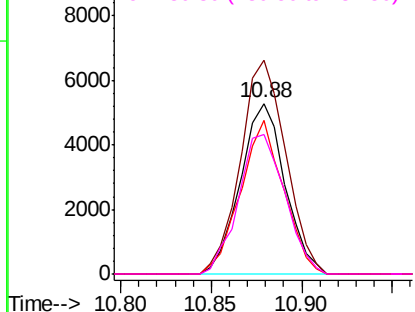


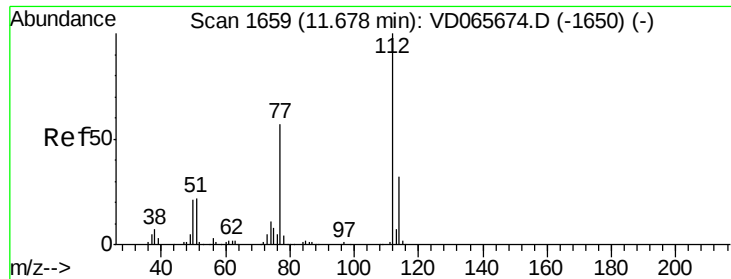
#64
Tetrachloroethene
Concen: 4.968 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065671.D
Acq: 24 Apr 2020 12:06

Tgt Ion:164 Resp: 9039
Ion Ratio Lower Upper
164 100
166 125.2 106.1 159.1
129 89.9 73.0 109.4
131 82.1 68.1 102.1



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

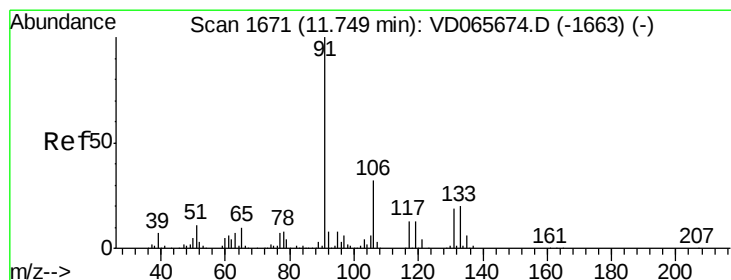
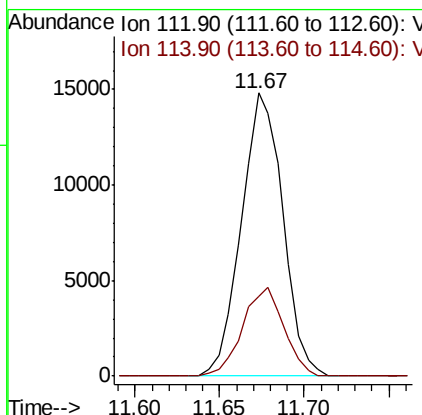
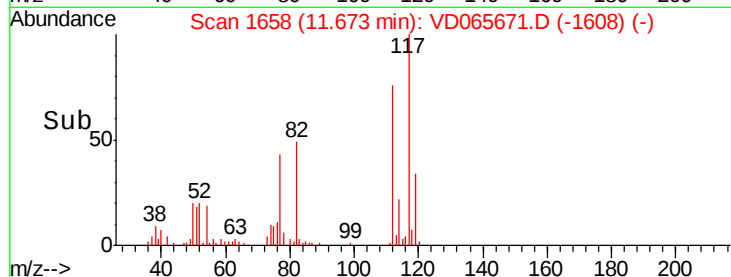
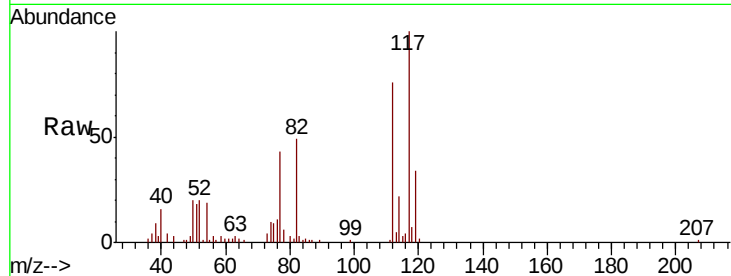




#65
Chlorobenzene
Concen: 5.004 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065671.D
Acq: 24 Apr 2020 12:06

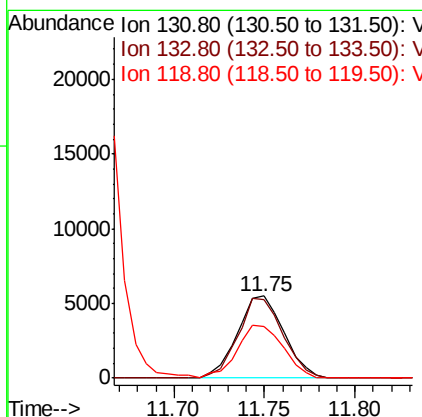
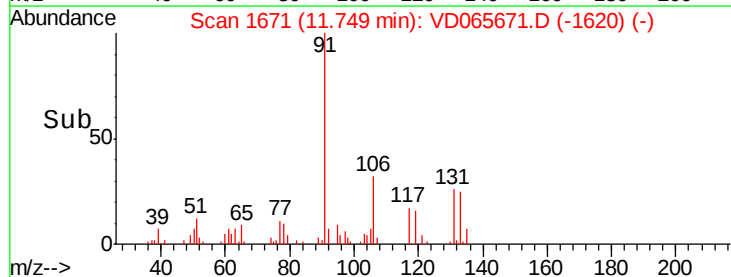
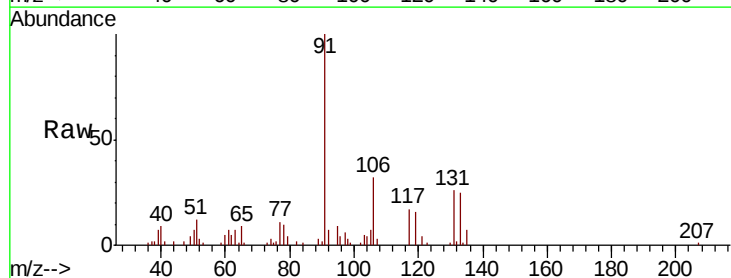
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

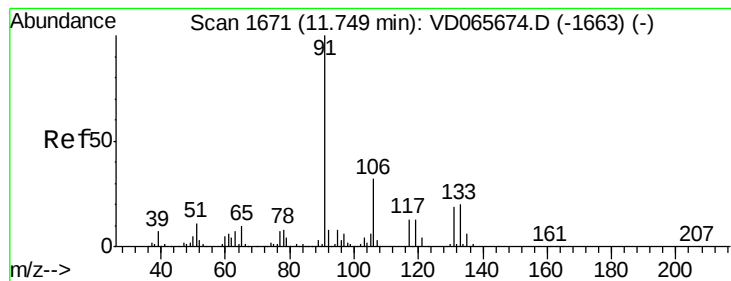
Tot Ion:112 Resp: 25212
Ion Ratio Lower Upper
112 100
114 28.3 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 5.008 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065671.D
Acq: 24 Apr 2020 12:06

Tgt Ion:131 Resp: 9749
Ion Ratio Lower Upper
131 100
133 94.2 48.9 146.7
119 64.2 32.6 97.7





#67

Ethyl Benzene

Concen: 4.401 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

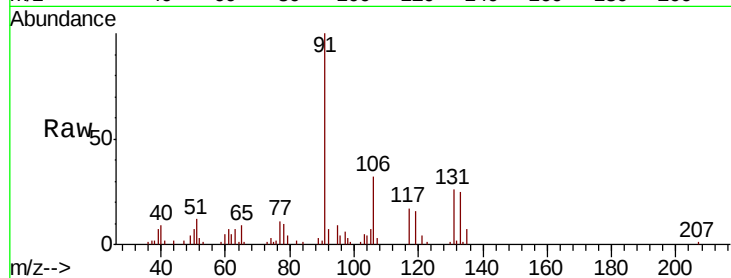
VSTDIC005

Tot Ion: 91 Resp: 35786

Ion Ratio Lower Upper

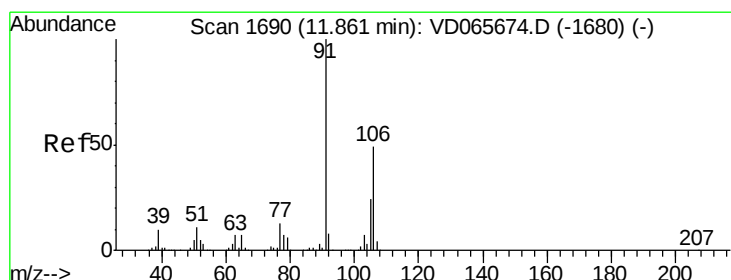
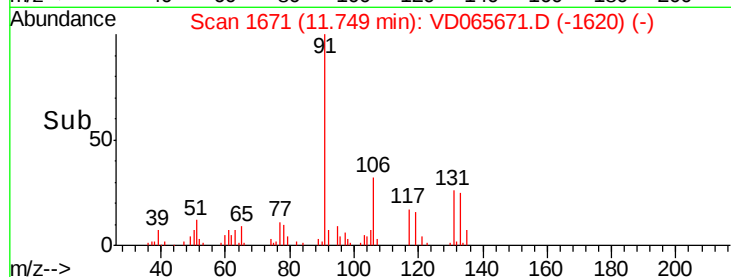
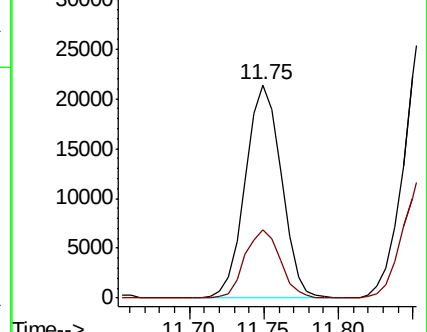
91 100

106 31.9 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 8.197 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065671.D

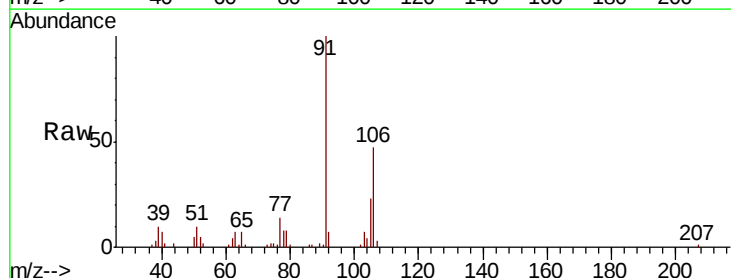
Acq: 24 Apr 2020 12:06

Tgt Ion: 106 Resp: 25968

Ion Ratio Lower Upper

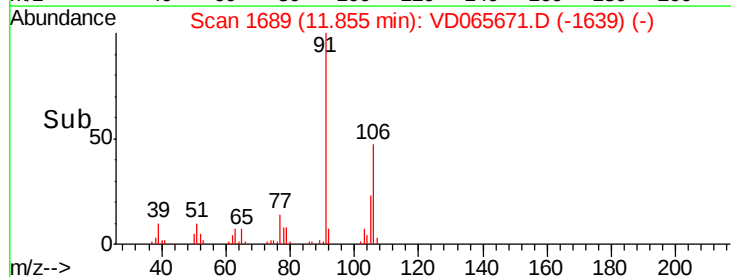
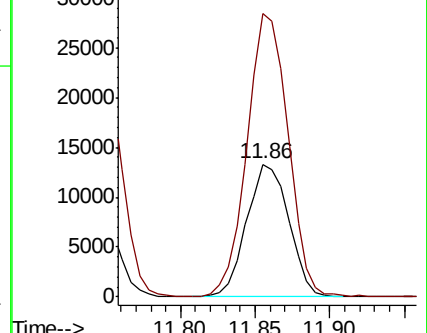
106 100

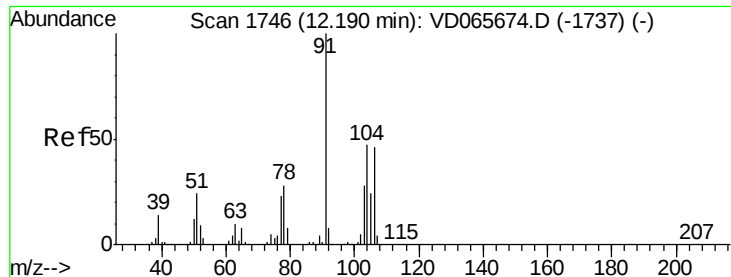
91 208.5 163.6 245.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

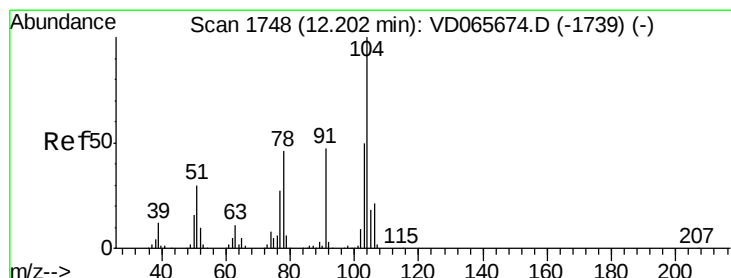
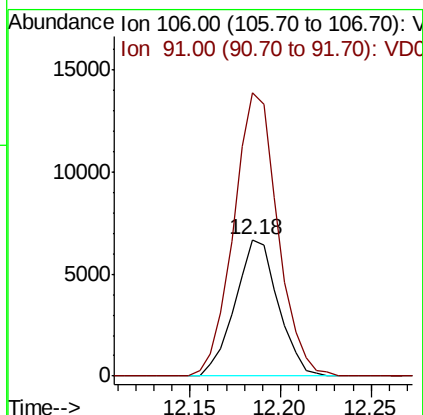
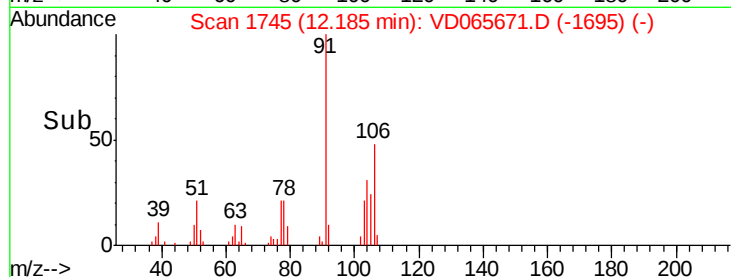
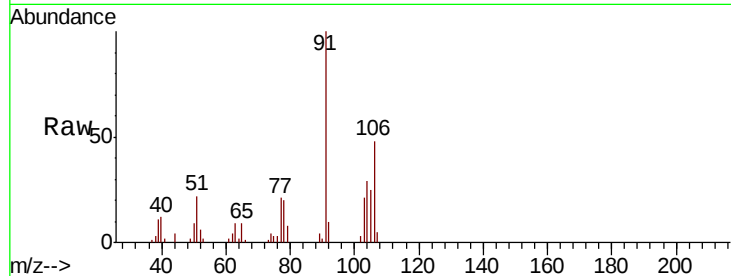




#69
o-Xylene
Concen: 4.157 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065671.D
Acq: 24 Apr 2020 12:06

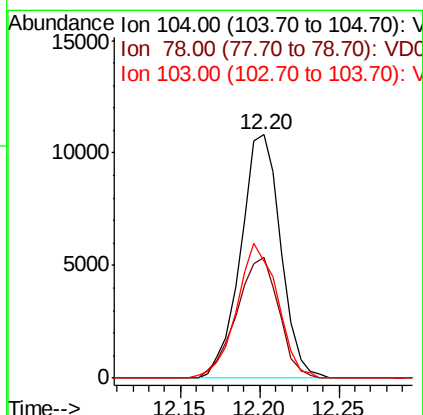
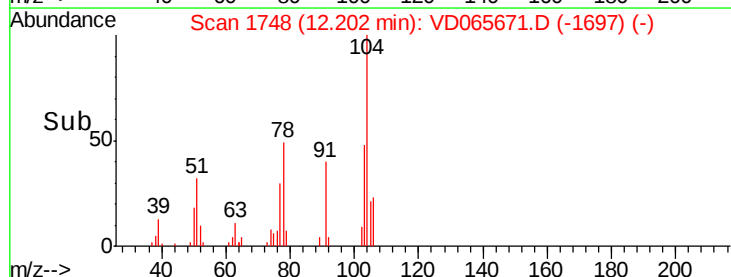
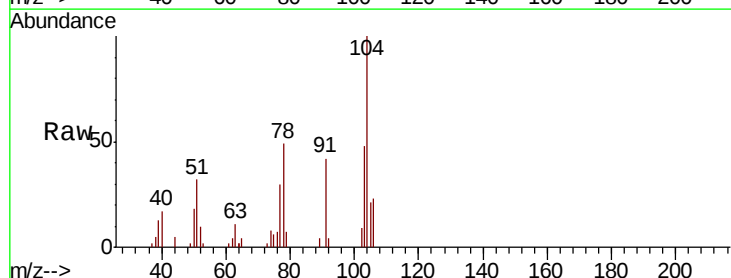
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

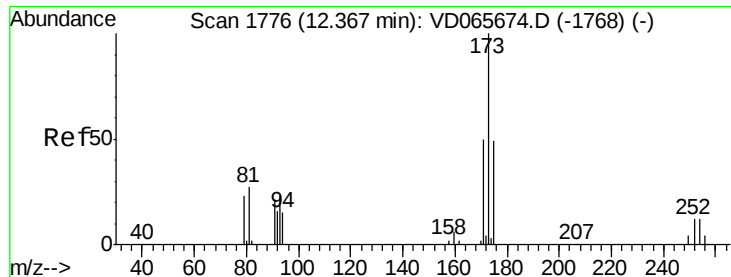
Tot Ion:106 Resp: 11036
Ion Ratio Lower Upper
106 100
91 212.7 109.9 329.8



#70
Styrene
Concen: 3.943 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065671.D
Acq: 24 Apr 2020 12:06

Tgt Ion:104 Resp: 18956
Ion Ratio Lower Upper
104 100
78 52.2 39.6 59.4
103 56.6 43.7 65.5

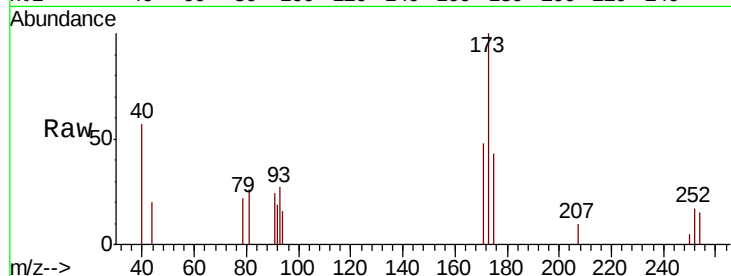




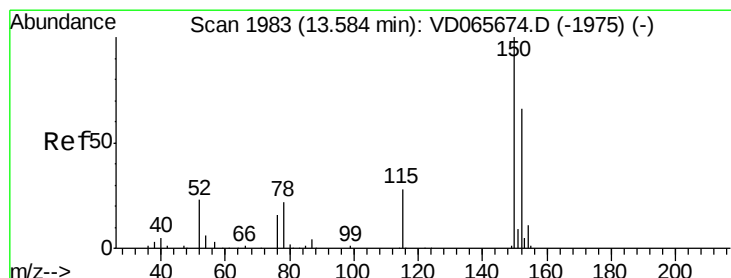
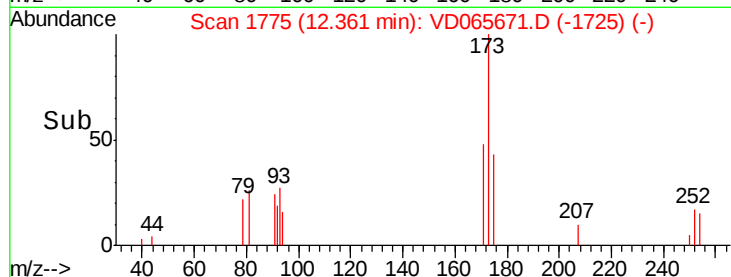
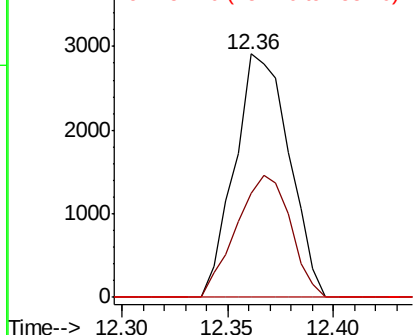
#71
Bromoform
Concen: 4.773 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD065671.D
Acq: 24 Apr 2020 12:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:173 Resp: 5196
Ion Ratio Lower Upper
173 100
175 49.9 24.3 73.0
254 0.0 0.0 0.0

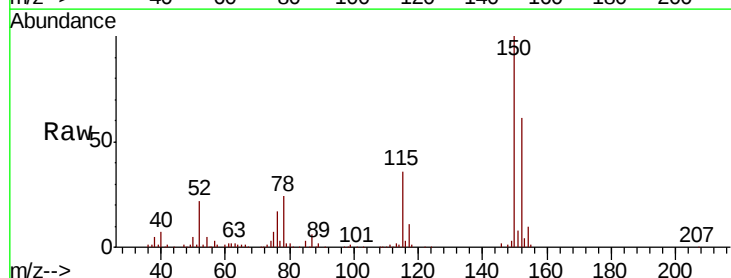


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

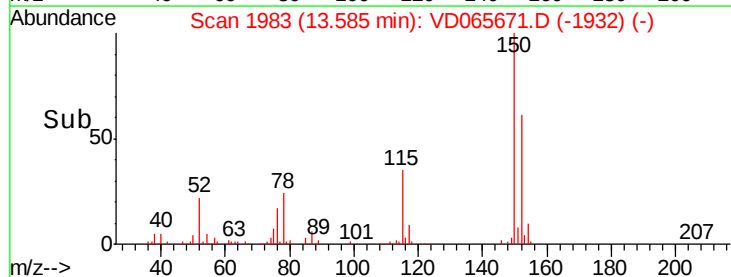
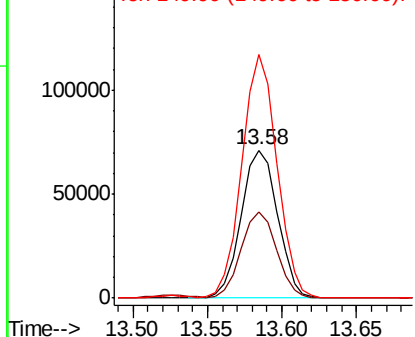


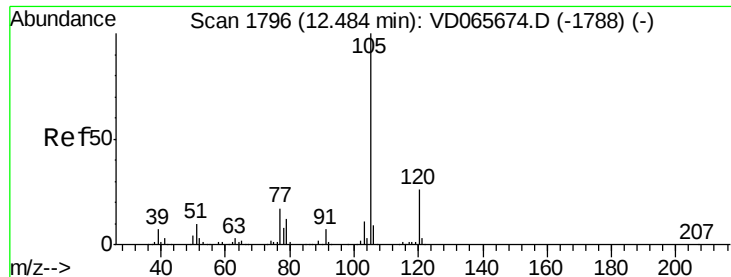
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065671.D
Acq: 24 Apr 2020 12:06

Tgt Ion:152 Resp: 120351
Ion Ratio Lower Upper
152 100
115 56.9 28.1 84.2
150 158.5 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: 4.335 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

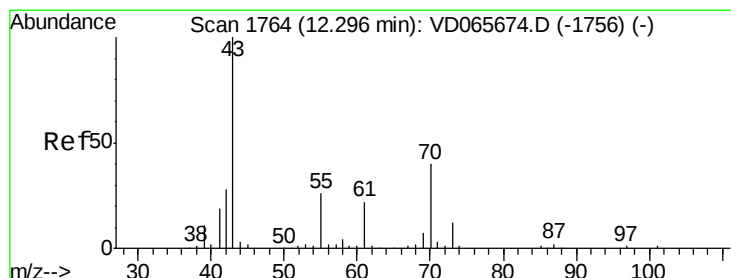
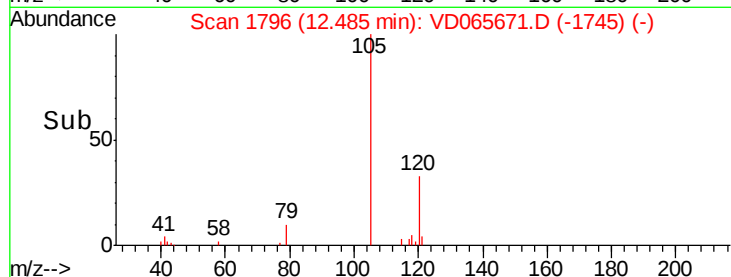
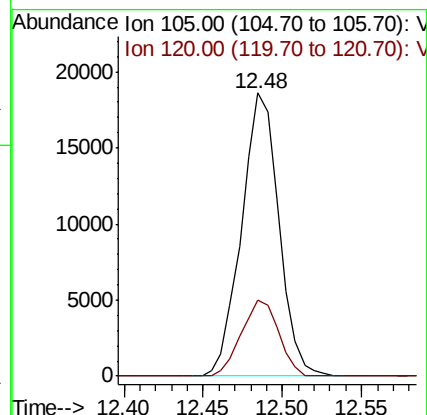
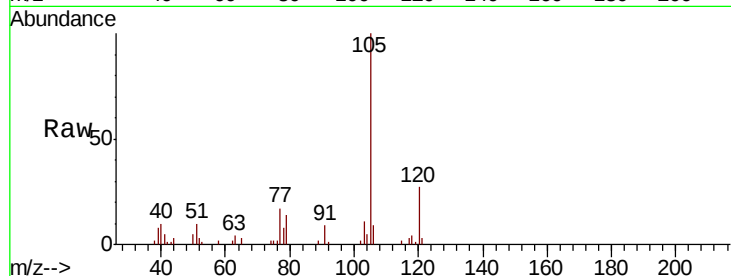
VSTDIC005

Tot Ion:105 Resp: 30433

Ion Ratio Lower Upper

105 100

120 26.6 13.1 39.3



#74

N-ethyl acetate

Concen: 4.378 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

Tgt Ion: 43 Resp: 6928

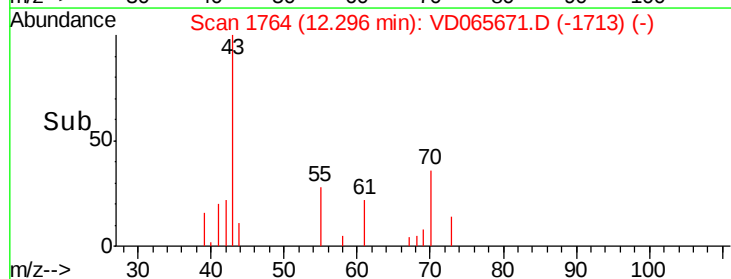
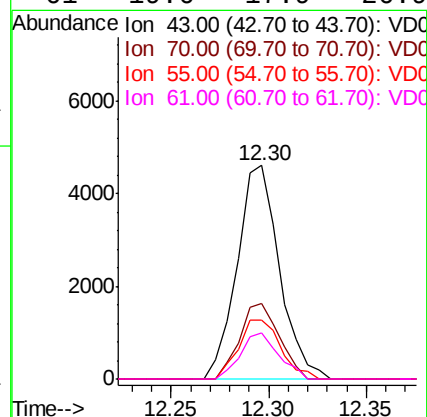
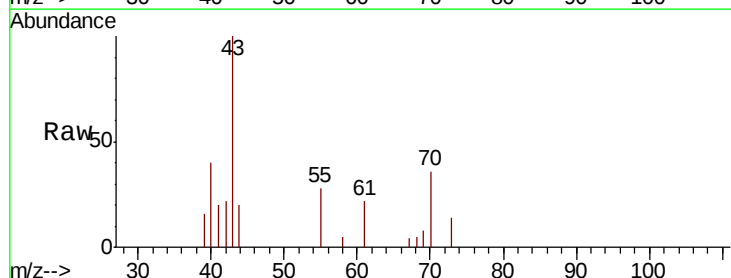
Ion Ratio Lower Upper

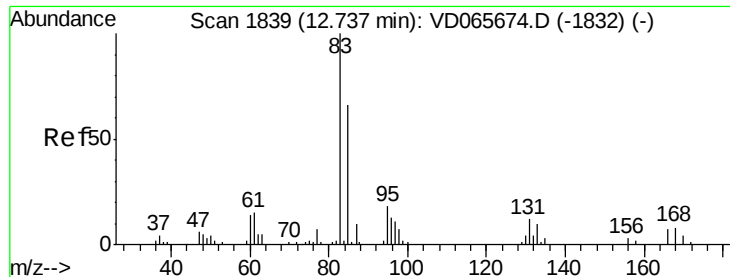
43 100

70 33.0 32.2 48.4

55 27.6 21.4 32.2

61 19.6 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 5.061 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

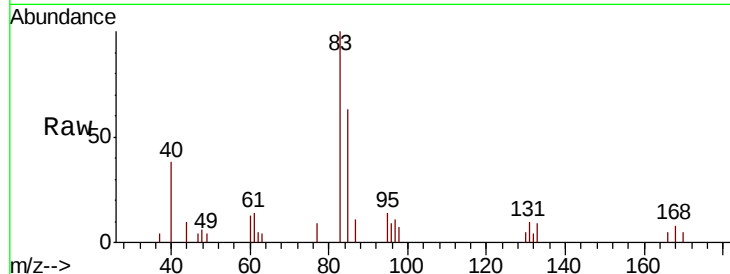
Tot Ion: 83 Resp: 7150

Ion Ratio Lower Upper

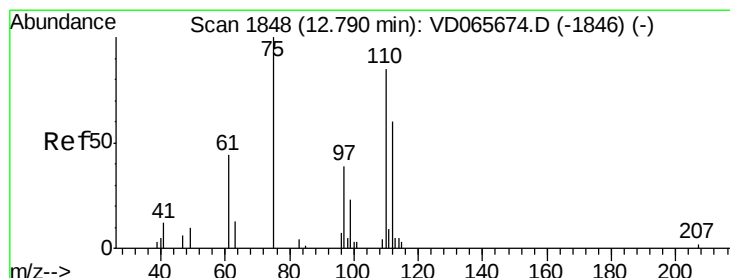
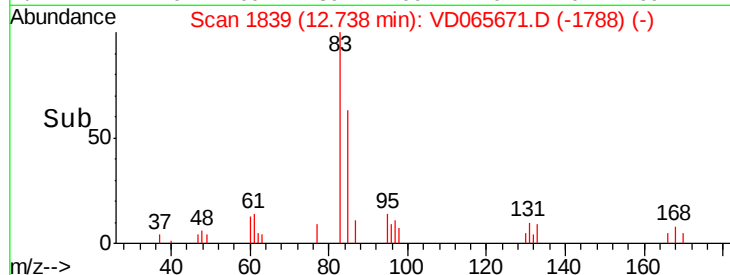
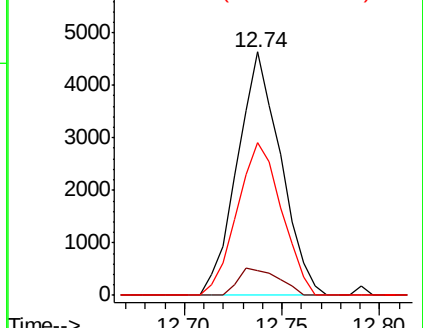
83 100

131 10.3 5.5 16.7

85 64.3 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: 4.737 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065671.D

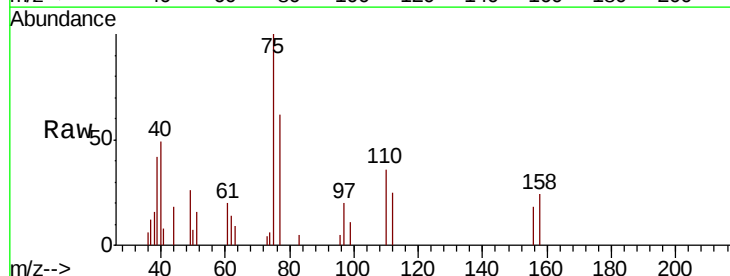
Acq: 24 Apr 2020 12:06

Tgt Ion: 75 Resp: 5045

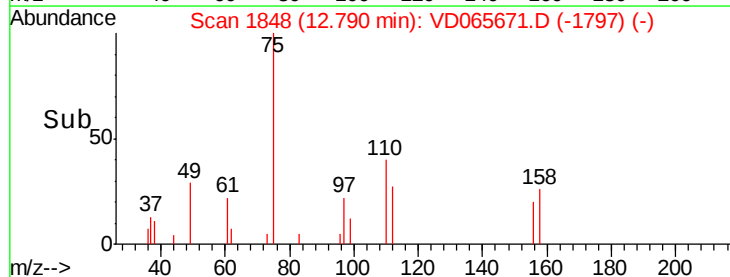
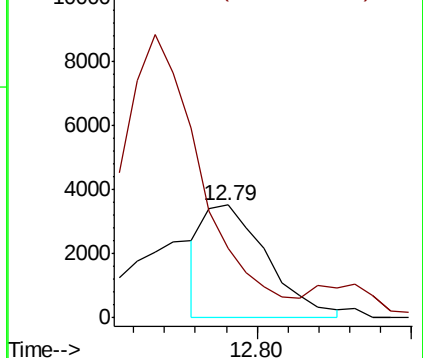
Ion Ratio Lower Upper

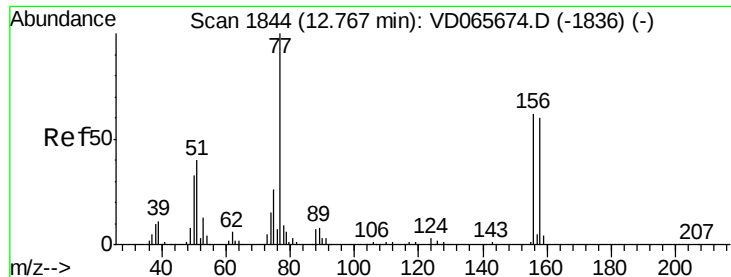
75 100

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: 4.805 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

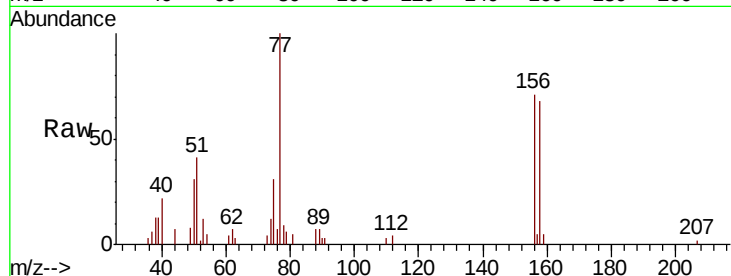
Tot Ion:156 Resp: 9343

Ion Ratio Lower Upper

156 100

77 178.4 87.3 261.9

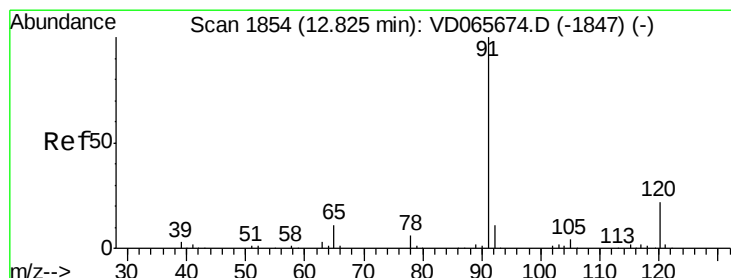
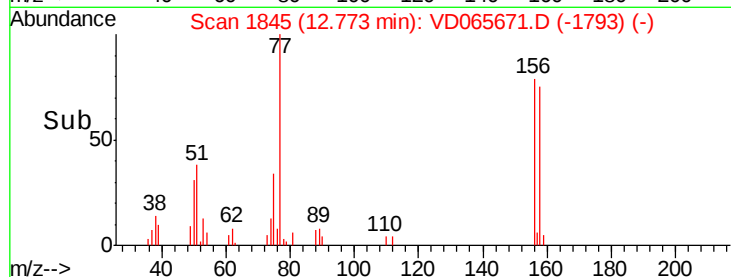
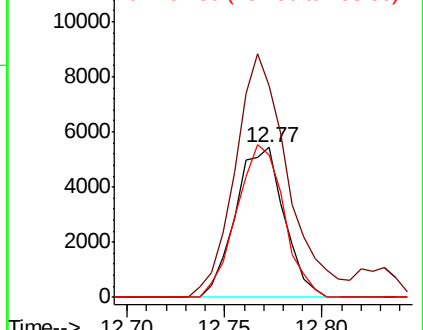
158 99.3 47.8 143.4



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: 4.309 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065671.D

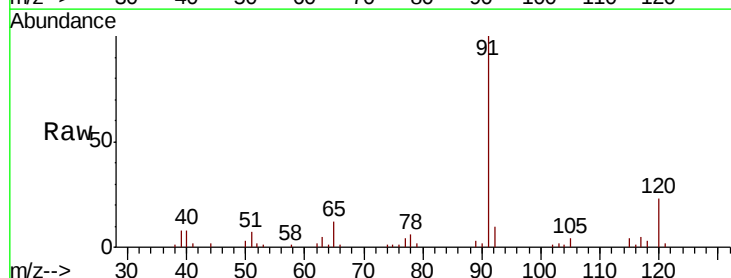
Acq: 24 Apr 2020 12:06

Tgt Ion: 91 Resp: 37981

Ion Ratio Lower Upper

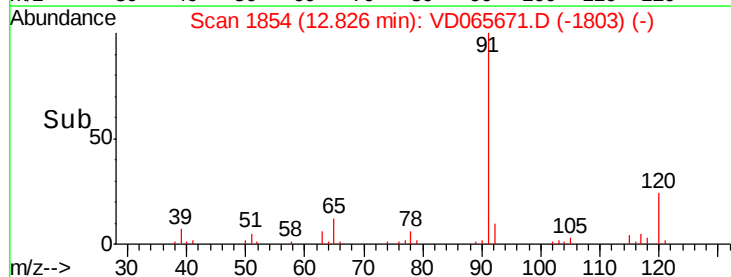
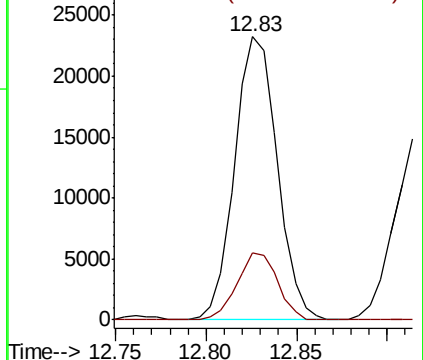
91 100

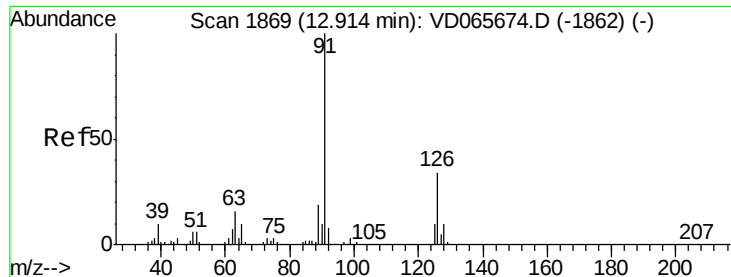
120 22.3 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.543 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

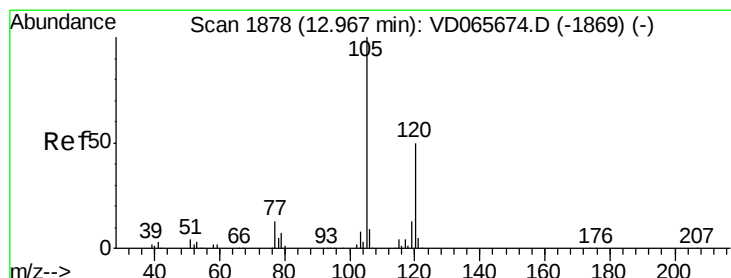
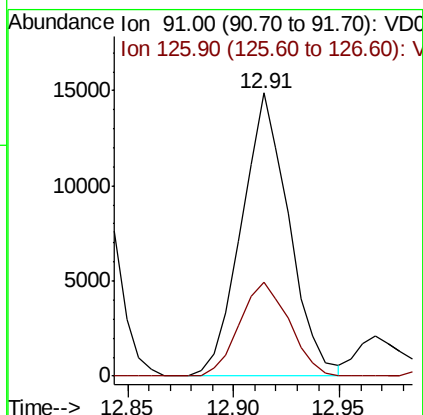
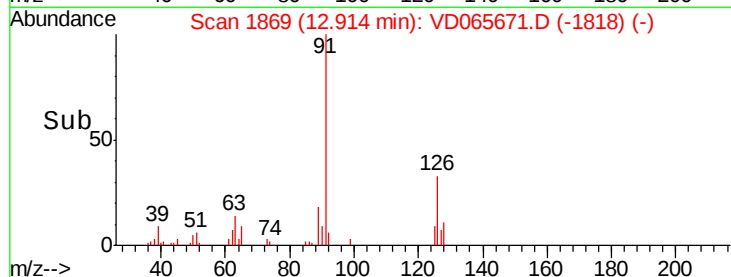
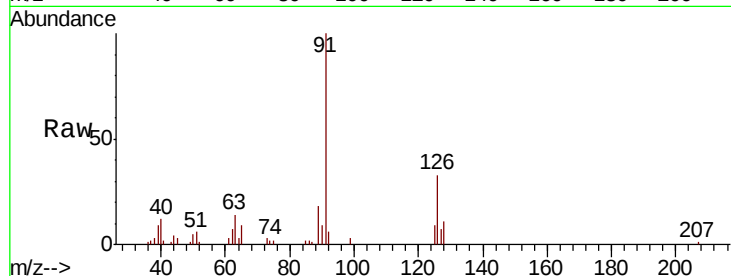
VSTDIC005

Tot Ion: 91 Resp: 23223

Ion Ratio Lower Upper

91 100

126 34.7 17.2 51.5



#80

1,3,5-Trimethylbenzene

Concen: 4.031 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065671.D

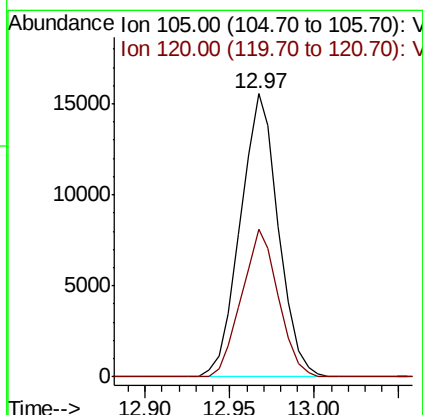
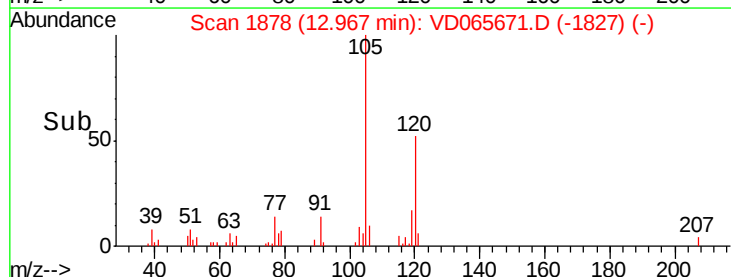
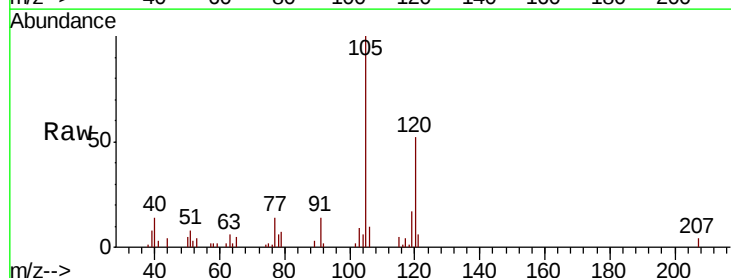
Acq: 24 Apr 2020 12:06

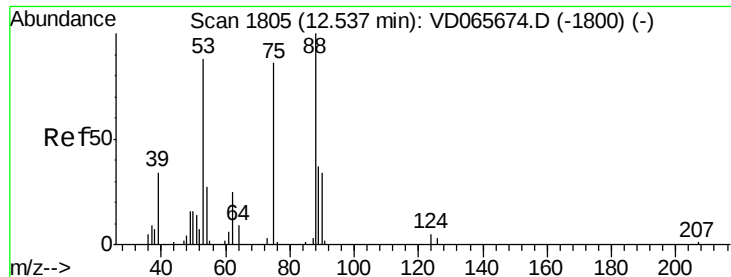
Tgt Ion:105 Resp: 24263

Ion Ratio Lower Upper

105 100

120 50.4 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 4.111 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

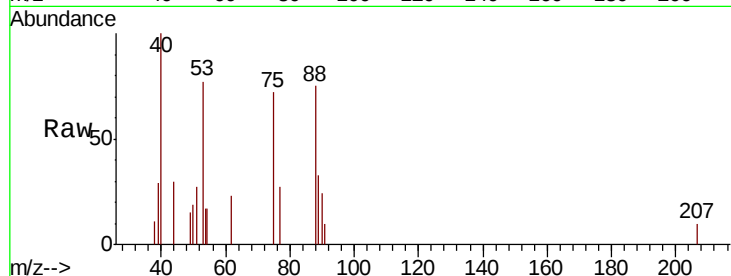
Tot Ion: 75 Resp: 1754

Ion Ratio Lower Upper

75 100

53 124.1 86.6 129.8

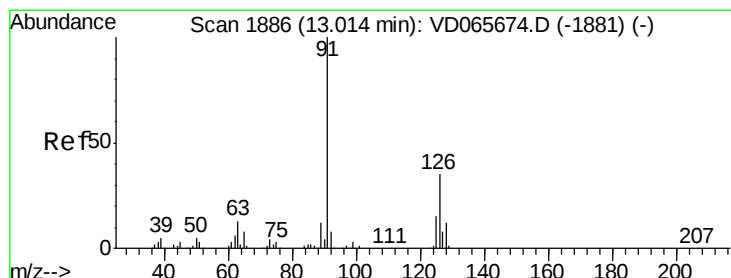
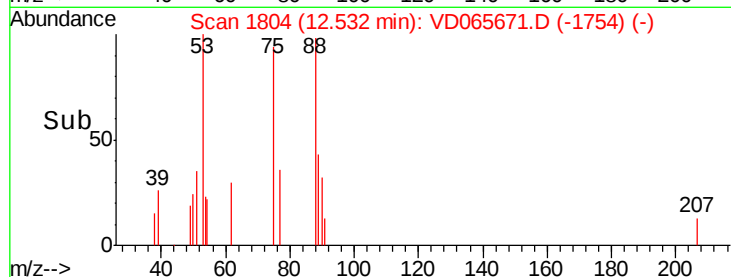
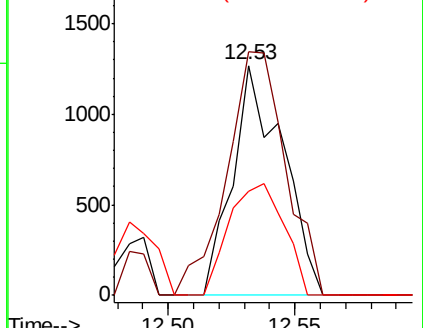
89 53.4 38.2 57.4



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: 4.398 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065671.D

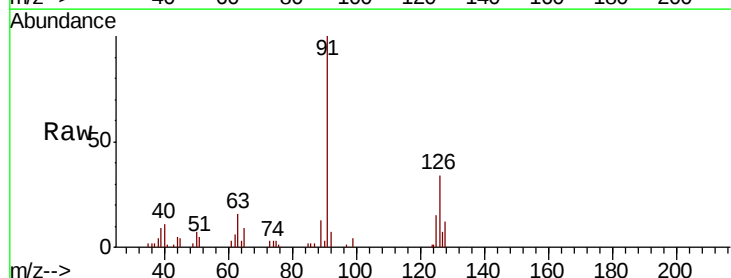
Acq: 24 Apr 2020 12:06

Tgt Ion: 91 Resp: 24440

Ion Ratio Lower Upper

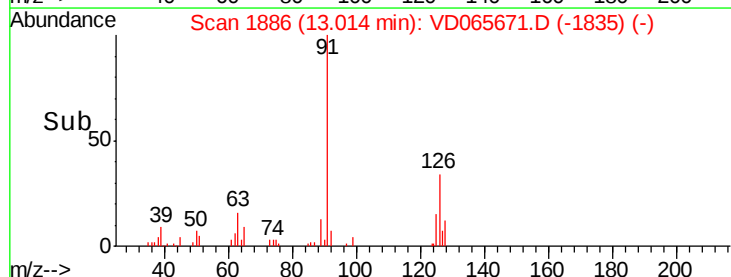
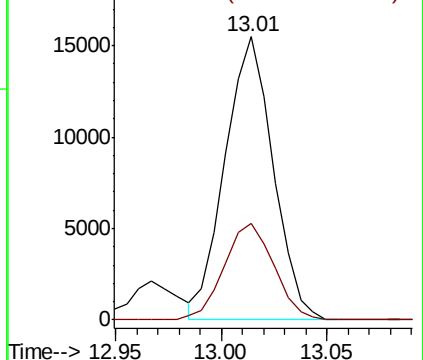
91 100

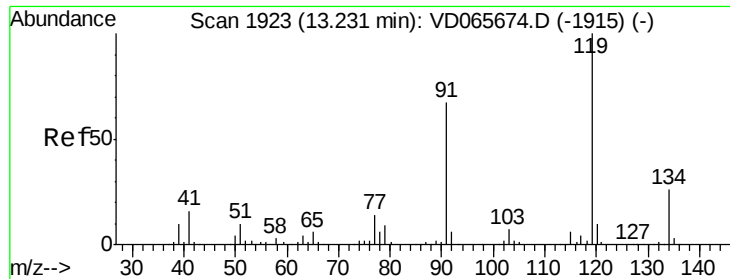
126 35.3 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

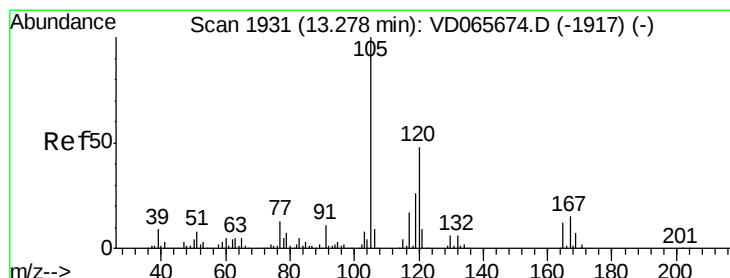
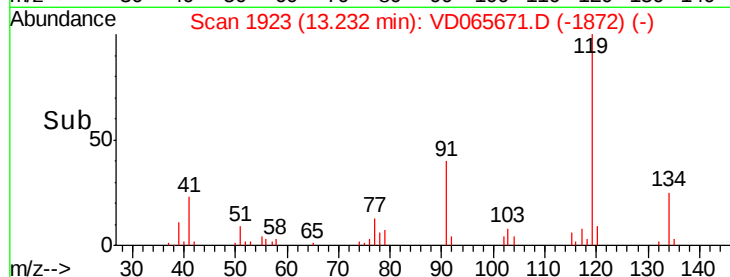
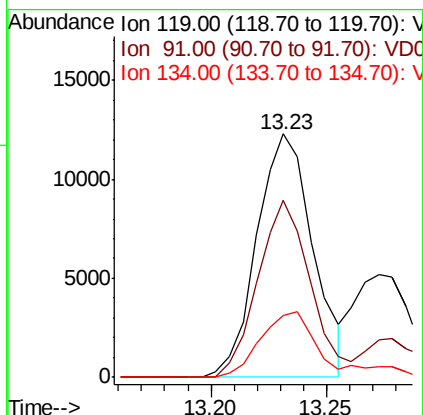
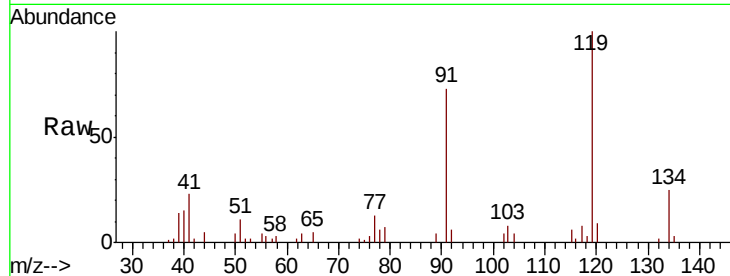




#83
tert-Butylbenzene
Concen: 4.279 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065671.D
Acq: 24 Apr 2020 12:06

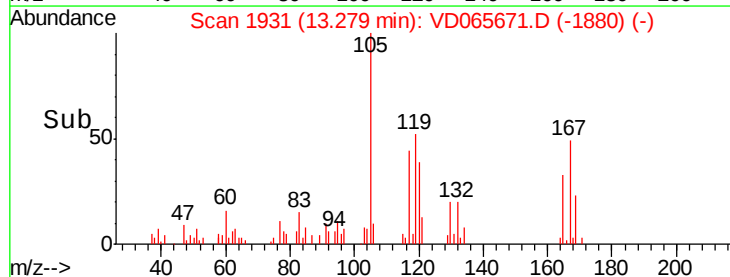
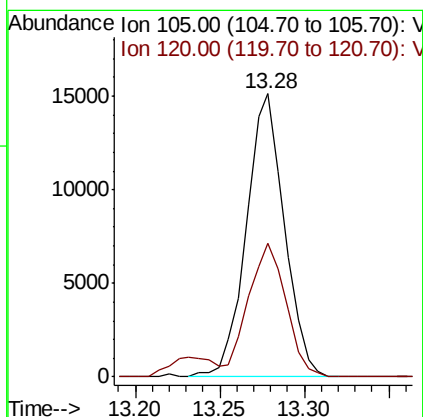
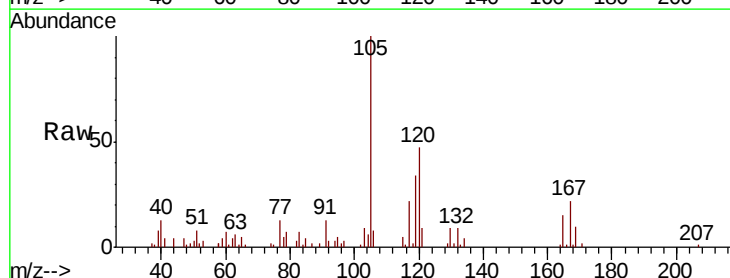
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

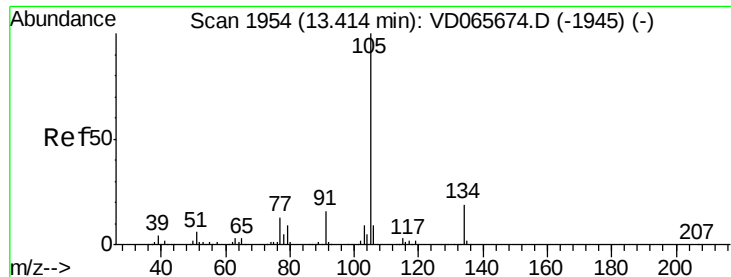
Tot Ion:119 Resp: 20742
Ion Ratio Lower Upper
119 100
91 68.1 33.3 99.9
134 27.2 14.2 42.6



#84
1,2,4-Trimethylbenzene
Concen: 3.966 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065671.D
Acq: 24 Apr 2020 12:06

Tgt Ion:105 Resp: 23654
Ion Ratio Lower Upper
105 100
120 46.9 23.2 69.5





#85

sec-Butylbenzene

Concen: 4.271 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.01 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

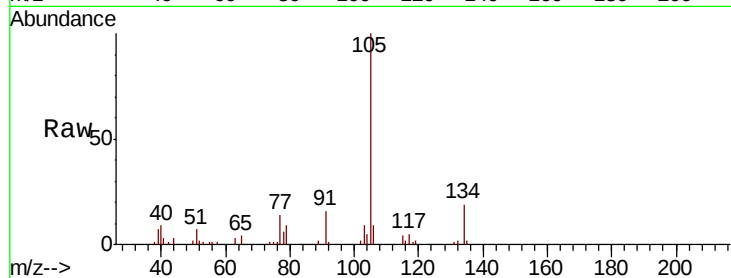
VSTDIC005

Tot Ion:105 Resp: 30448

Ion Ratio Lower Upper

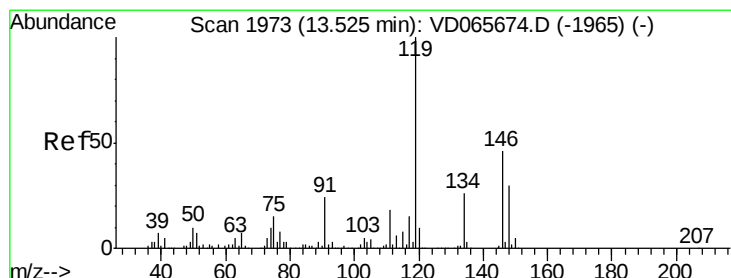
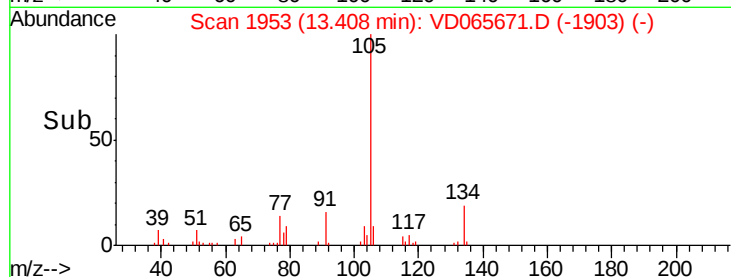
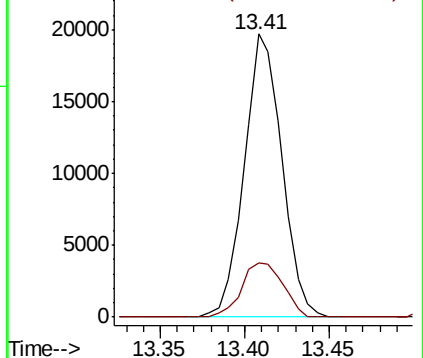
105 100

134 21.2 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.106 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

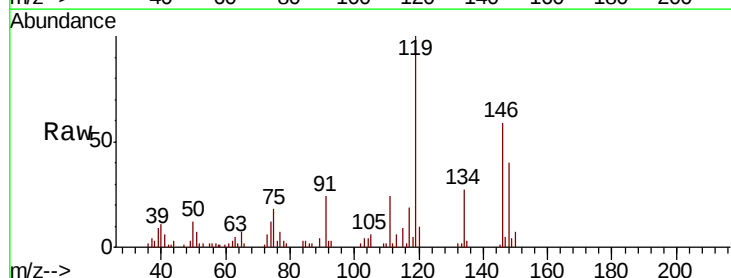
Tgt Ion:119 Resp: 27412

Ion Ratio Lower Upper

119 100

134 28.7 13.2 39.5

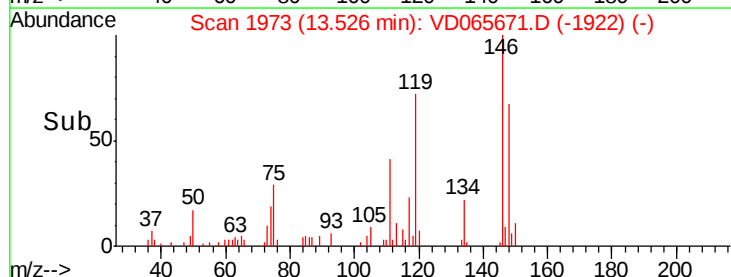
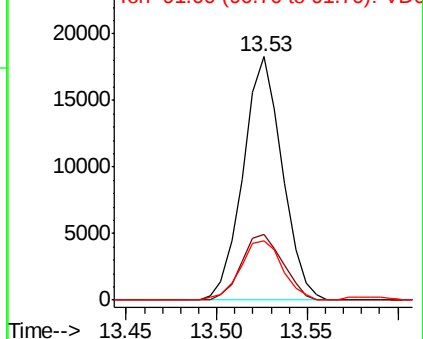
91 26.3 12.0 36.0

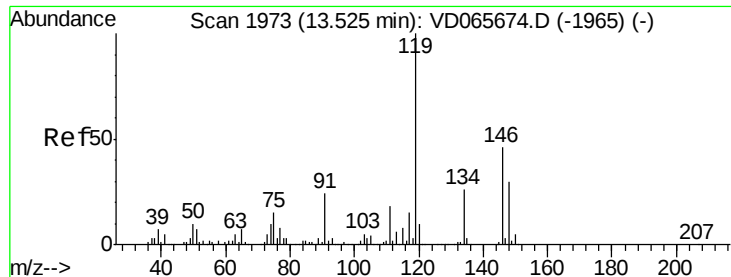


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

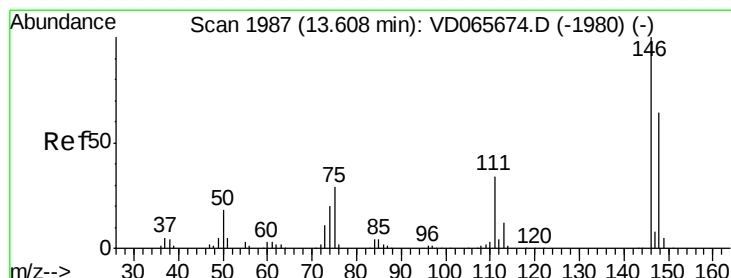
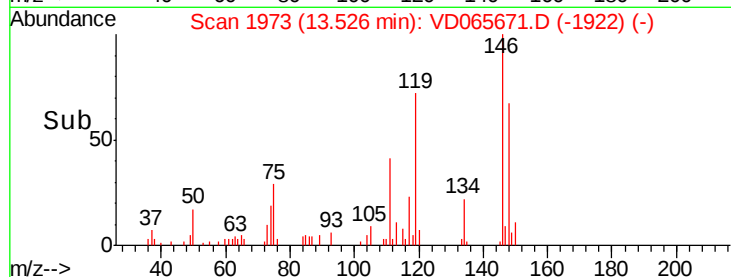
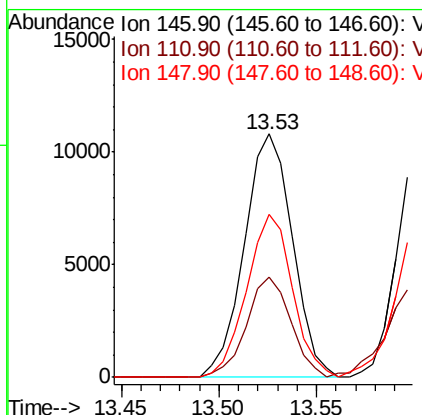
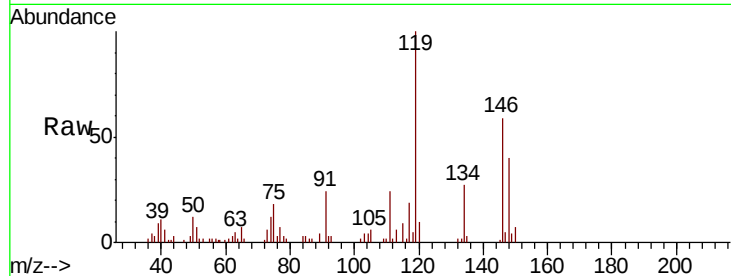




#87
 1,3-Dichlorobenzene
 Concen: 4.800 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065671.D
 Acq: 24 Apr 2020 12:06

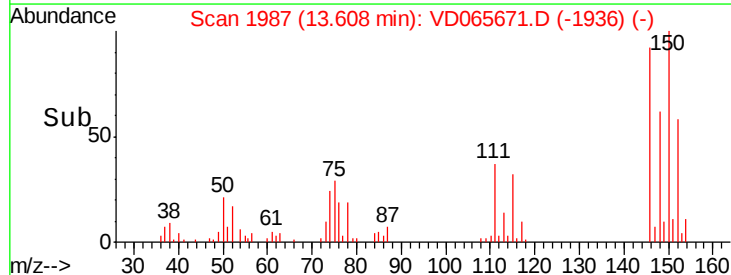
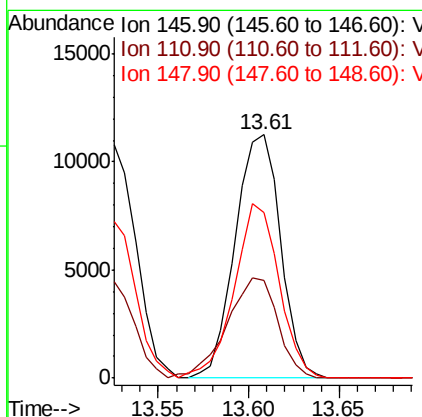
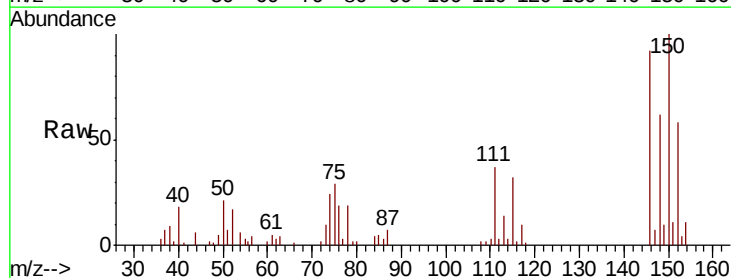
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

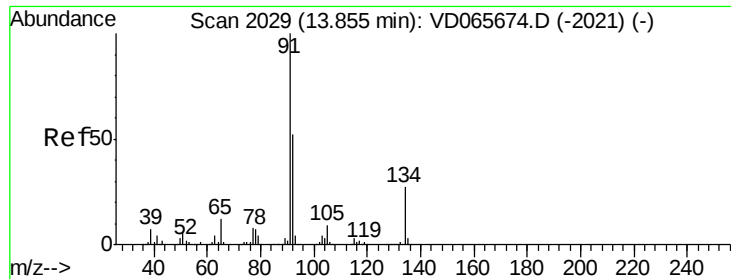
Tot Ion:146 Resp: 18454
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.3 57.9
 148 63.7 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 5.031 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VD065671.D
 Acq: 24 Apr 2020 12:06

Tgt Ion:146 Resp: 19596
 Ion Ratio Lower Upper
 146 100
 111 46.1 18.3 54.8
 148 70.9 32.1 96.5

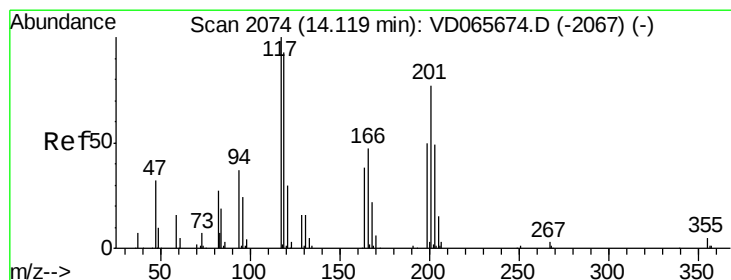
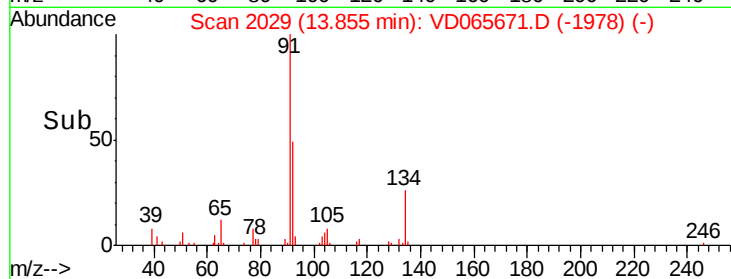
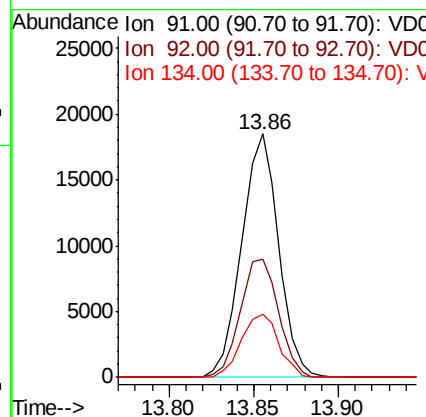
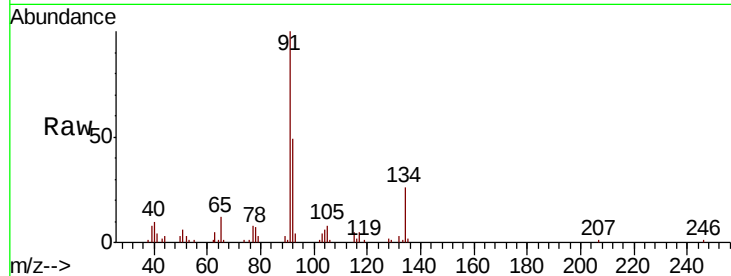




#89
n-Butylbenzene
Concen: 4.556 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065671.D
Acq: 24 Apr 2020 12:06

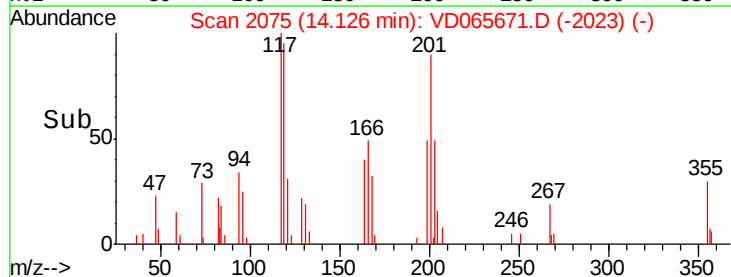
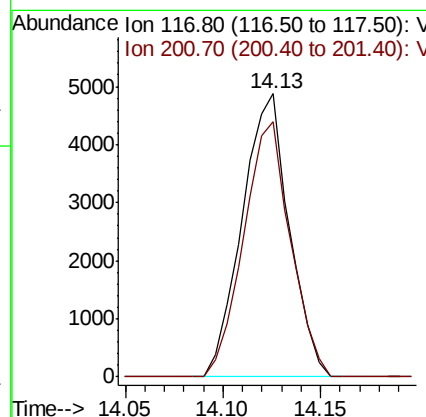
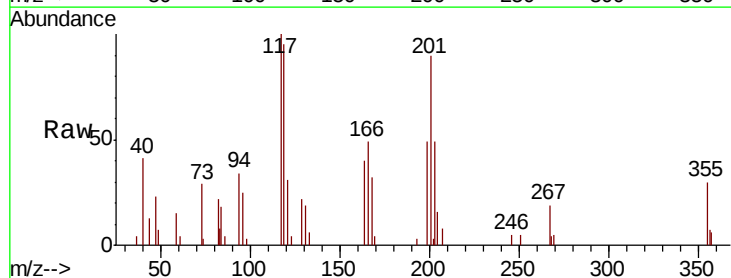
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

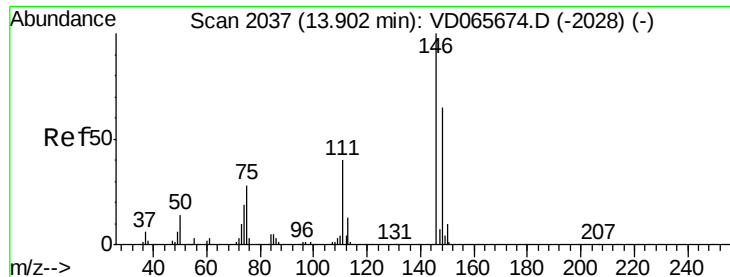
Tot Ion: 91 Resp: 28166
Ion Ratio Lower Upper
91 100
92 50.3 26.3 78.8
134 26.4 13.0 39.0



#90
Hexachloroethane
Concen: 5.178 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065671.D
Acq: 24 Apr 2020 12:06

Tgt Ion: 117 Resp: 8149
Ion Ratio Lower Upper
117 100
201 89.6 42.1 126.3





#91

1,2-Dichlorobenzene

Concen: 4.932 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

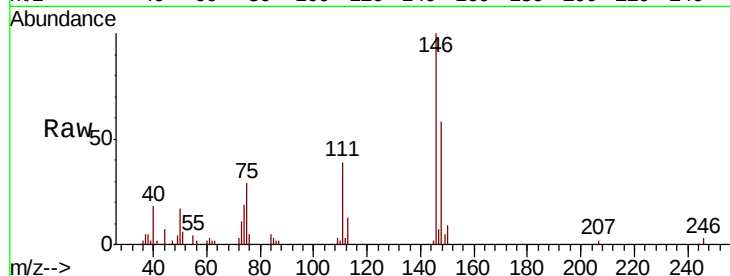
Tot Ion:146 Resp: 16438

Ion Ratio Lower Upper

146 100

111 39.2 19.8 59.3

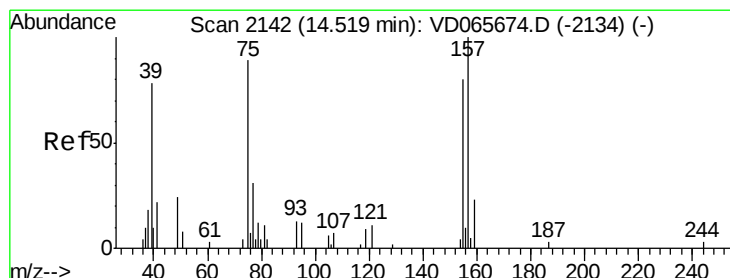
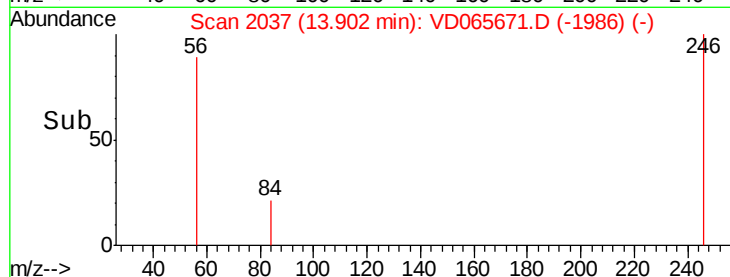
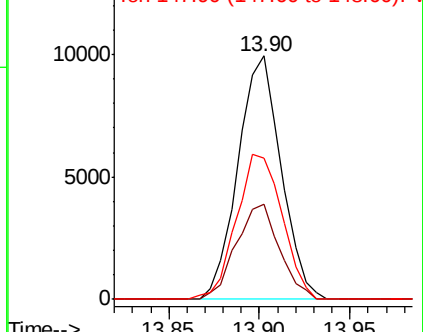
148 63.0 31.5 94.5



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: 4.935 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD065671.D

Acq: 24 Apr 2020 12:06

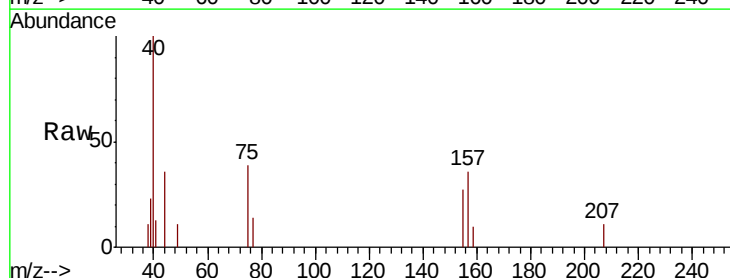
Tgt Ion: 75 Resp: 1088

Ion Ratio Lower Upper

75 100

155 84.0 41.8 125.3

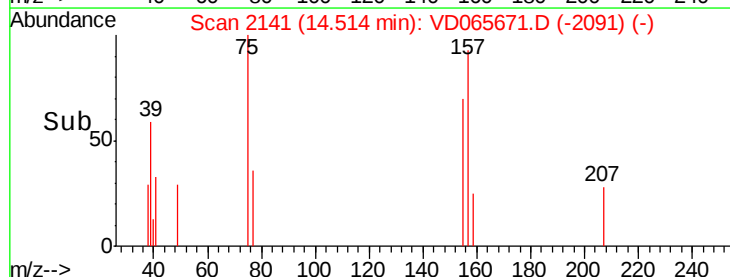
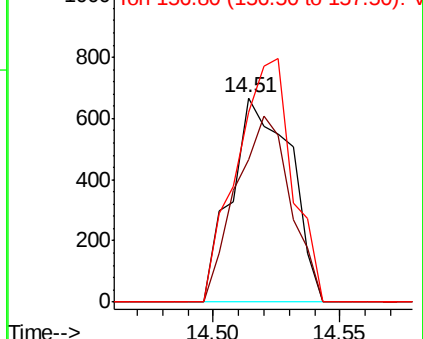
157 111.9 53.9 161.7

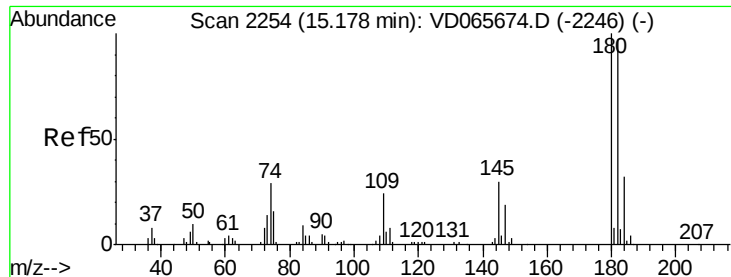


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

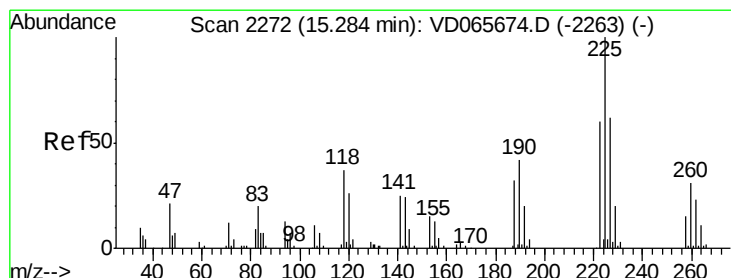
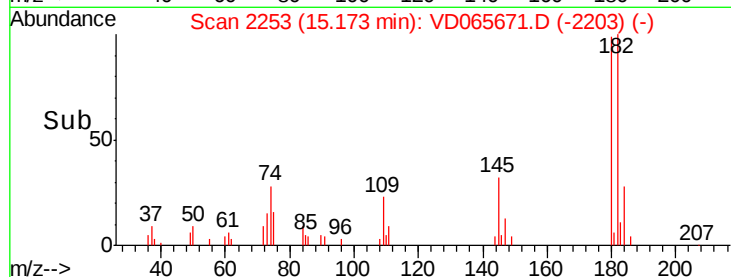
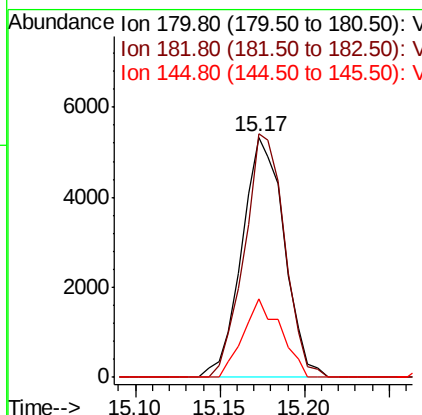
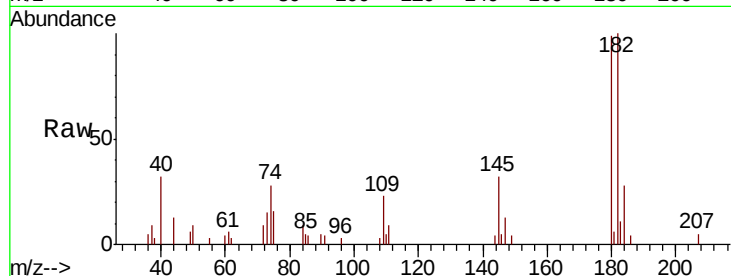




#93
 1,2,4-Trichlorobenzene
 Concen: 4.451 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065671.D
 Acq: 24 Apr 2020 12:06

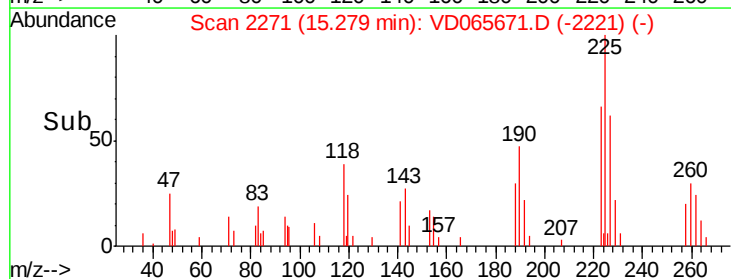
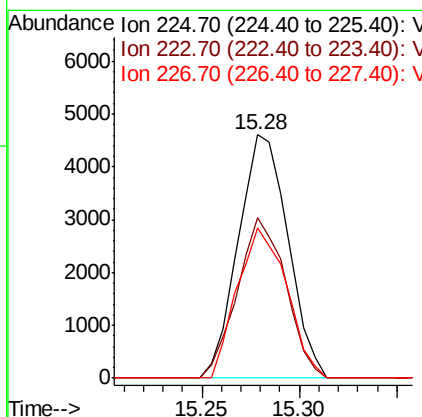
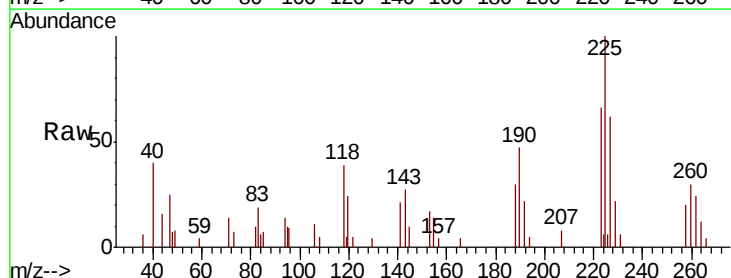
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

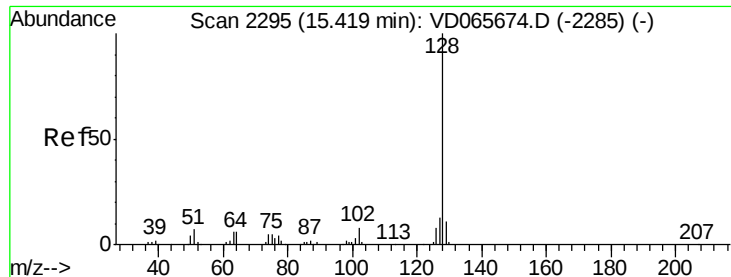
Tot Ion:180 Resp: 9291
 Ion Ratio Lower Upper
 180 100
 182 96.3 47.1 141.3
 145 29.1 14.3 42.9



#94
 Hexachlorobutadiene
 Concen: 5.018 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065671.D
 Acq: 24 Apr 2020 12:06

Tgt Ion:225 Resp: 8109
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.0 93.0
 227 61.4 31.6 94.8

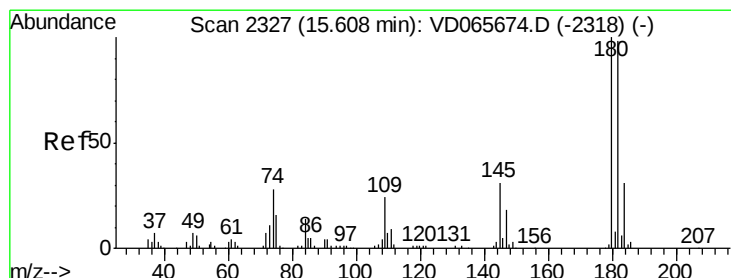
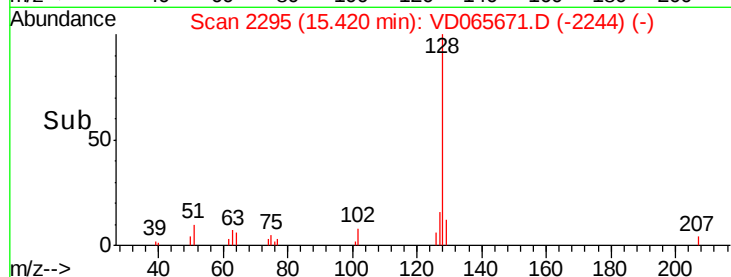
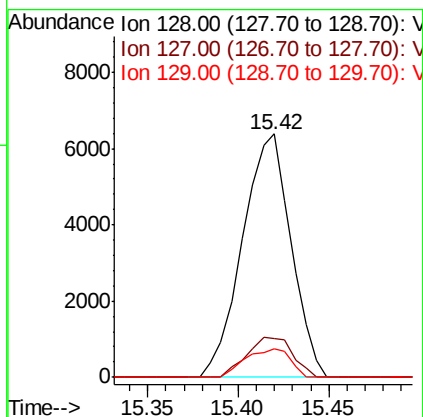
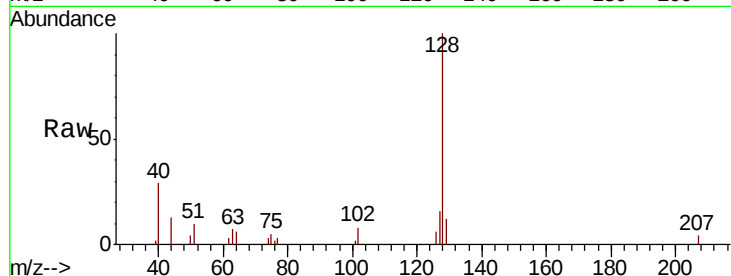




#95
Naphthalene
Concen: 4.119 ug/l
RT: 15.42 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VD065671.D
Acq: 24 Apr 2020 12:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 11870
Ion Ratio Lower Upper
128 100
127 15.7 11.4 17.0
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 4.755 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065671.D
Acq: 24 Apr 2020 12:06

Tgt Ion:180 Resp: 8911
Ion Ratio Lower Upper
180 100
182 94.7 47.8 143.3
145 28.0 15.6 46.8

