

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050120\
 Data File : VD065691.D
 Acq On : 01 May 2020 19:41
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: May 02 04:25:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050120S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 02 02:54:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	633610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	877643	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	834499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	438133	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	653040	122.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	244.80%	
35) Dibromofluoromethane	7.91	113	604407	98.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.96%	
50) Toluene-d8	10.34	98	2357974	147.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.18%	
62) 4-Bromofluorobenzene	12.64	95	752965	122.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	245.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	285724	55.037	ug/l	95
3) Chloromethane	2.21	50	558147	110.717	ug/l	97
4) Vinyl Chloride	2.34	62	700578	143.650	ug/l	99
5) Bromomethane	2.75	94	427656	239.636	ug/l	98
6) Chloroethane	2.91	64	465290	220.419	ug/l	99
7) Trichlorofluoromethane	3.27	101	901245	126.643	ug/l	99
8) Diethyl Ether	3.71	74	262571	137.687	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	545847	90.204	ug/l	98
10) Methyl Iodide	4.30	142	606201	86.081	ug/l	95
11) Tert butyl alcohol	5.23	59	168820	568.096	ug/l	95
12) 1,1-Dichloroethene	4.06	96	506735	97.736	ug/l	96
13) Acrolein	3.92	56	272500	793.057	ug/l	98
14) Allyl chloride	4.71	41	921944	123.995	ug/l	99
15) Acrylonitrile	5.43	53	633520	673.960	ug/l	95
16) Acetone	4.16	43	536008	457.371	ug/l	93
17) Carbon Disulfide	4.41	76	1607110	105.161	ug/l	99
18) Methyl Acetate	4.71	43	327279	125.848	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	1260294	118.623	ug/l	97
20) Methylene Chloride	4.96	84	609638	90.577	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	619756	103.525	ug/l	98
22) Diisopropyl ether	6.37	45	1916413	112.932	ug/l	98
23) Vinyl Acetate	6.31	43	5561933	620.232	ug/l	99
24) 1,1-Dichloroethane	6.26	63	1084806	105.714	ug/l	99
25) 2-Butanone	7.21	43	815008	550.566	ug/l	100
26) 2,2-Dichloropropane	7.21	77	933360	104.779	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	669166	98.401	ug/l	92
28) Bromochloromethane	7.55	49	442518	111.589	ug/l	94
29) Tetrahydrofuran	7.57	42	537232	702.893	ug/l	100
30) Chloroform	7.71	83	1122597	99.162	ug/l	99
31) Cyclohexane	7.98	56	964883	125.077	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	1036046	105.253	ug/l	96
36) 1,1-Dichloropropene	8.11	75	876171	122.971	ug/l	98
37) Ethyl Acetate	7.30	43	381643	123.092	ug/l	99
38) Carbon Tetrachloride	8.10	117	955356	109.913	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	1030585	142.357	ug/l	96
40) Benzene	8.36	78	2461771	135.537	ug/l	98
41) Methacrylonitrile	7.53	41	206830m	64.745	ug/l	
42) 1,2-Dichloroethane	8.43	62	774308	126.614	ug/l	99
43) Isopropyl Acetate	9.53	43	518885	117.549	ug/l	98
44) Trichloroethene	9.11	130	659033	100.566	ug/l	99
45) 1,2-Dichloropropane	9.39	63	622557	134.764	ug/l	98
46) Dibromomethane	9.48	93	332231	106.208	ug/l	97
47) Bromodichloromethane	9.67	83	890604	117.205	ug/l	99
48) Methyl methacrylate	9.46	41	359463	134.740	ug/l	97
49) 1,4-Dioxane	9.47	88	79161	2816.779	ug/l #	88
51) 4-Methyl-2-Pentanone	10.23	43	1939268	690.908	ug/l	98
52) Toluene	10.41	92	1625582	138.520	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	841746	131.285	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	972875	124.679	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	445835	117.849	ug/l	97
56) Ethyl methacrylate	10.67	69	576701	135.883	ug/l	99
57) 1,3-Dichloropropane	10.95	76	785282	130.861	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	1300412	667.182	ug/l	98
59) 2-Hexanone	10.99	43	1329870	645.753	ug/l	100
60) Dibromochloromethane	11.14	129	611154	101.534	ug/l	100
61) 1,2-Dibromoethane	11.25	107	429819	98.315	ug/l	99
64) Tetrachloroethene	10.88	164	587099	98.291	ug/l	99
65) Chlorobenzene	11.67	112	1685087	105.063	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	673655	100.840	ug/l	99
67) Ethyl Benzene	11.75	91	3182768	119.252	ug/l	100
68) m/p-Xylenes	11.86	106	2438274	248.395	ug/l	99
69) o-Xylene	12.18	106	1093701	123.273	ug/l	96
70) Styrene	12.20	104	1980799	128.209	ug/l	97
71) Bromoform	12.37	173	371061	97.291	ug/l	99
73) Isopropylbenzene	12.48	105	3008121	103.058	ug/l	97
74) N-amyl acetate	12.30	43	685968	93.077	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	484941	86.720	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	337606m	65.253	ug/l	
77) Bromobenzene	12.77	156	721391	87.741	ug/l	99
78) n-propylbenzene	12.83	91	3572098	105.441	ug/l	99
79) 2-Chlorotoluene	12.91	91	1965915	97.477	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	2532453	107.506	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.54	75	167233	99.773	ug/l	98
82) 4-Chlorotoluene	13.01	91	2113424	95.754	ug/l	98
83) tert-Butylbenzene	13.23	119	2119514	82.257	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	2581165	115.874	ug/l	100
85) sec-Butylbenzene	13.41	105	2962826	102.094	ug/l	100
86) p-Isopropyltoluene	13.53	119	2854904	109.973	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	1438733	98.796	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	1366728	100.263	ug/l	99
89) n-Butylbenzene	13.86	91	2567101	108.798	ug/l	99
90) Hexachloroethane	14.12	117	537294	79.878	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	1192273	98.309	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.52	75	82618	106.752	ug/l	96

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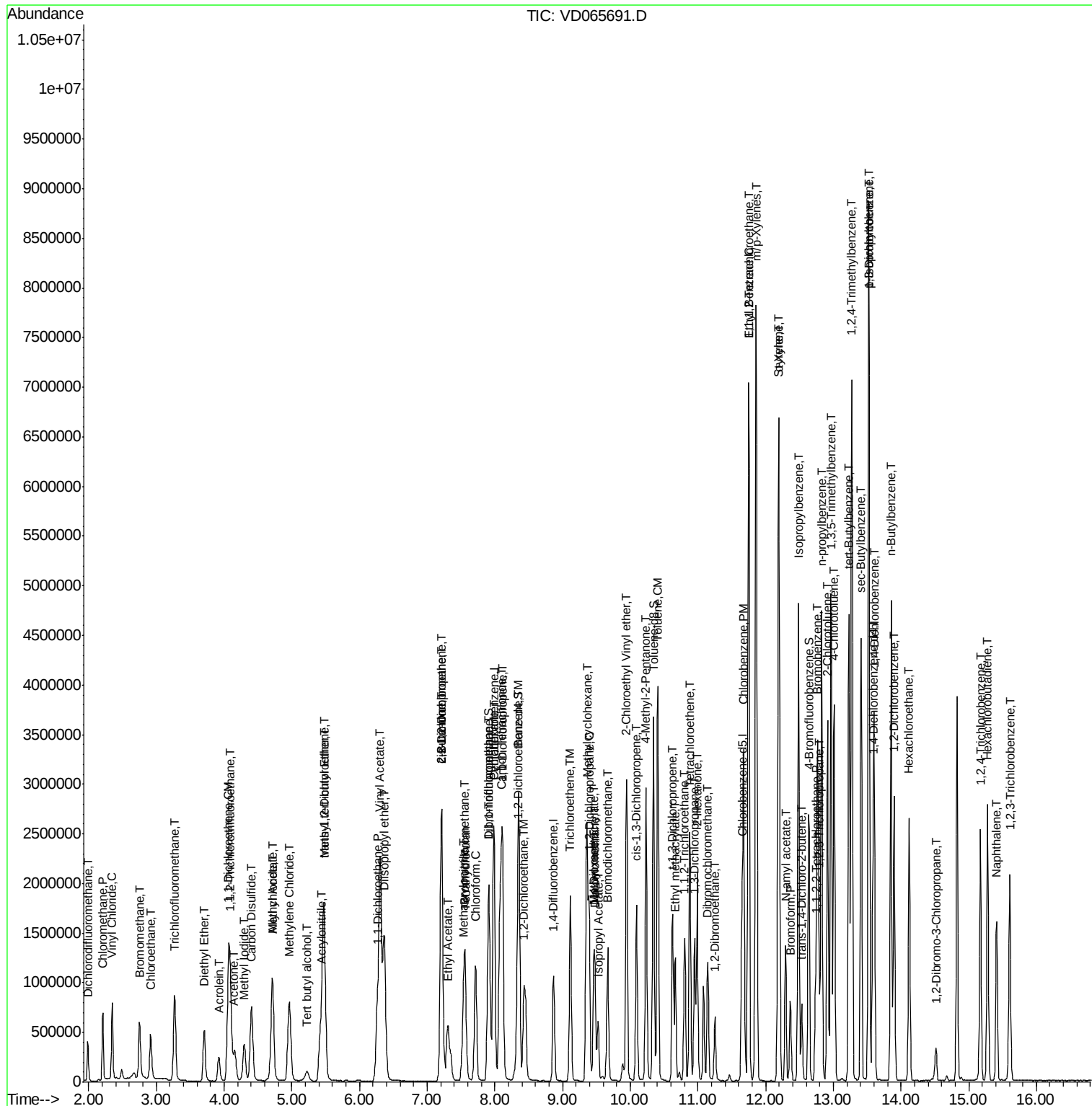
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	834322	124.717	ug/l	97
94) Hexachlorobutadiene	15.28	225	544777	112.065	ug/l	99
95) Naphthalene	15.41	128	1384373	127.740	ug/l	97
96) 1,2,3-Trichlorobenzene	15.61	180	734748	175.128	ug/l	99

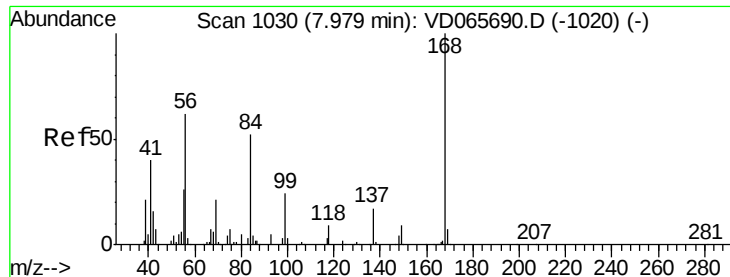
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD050120\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

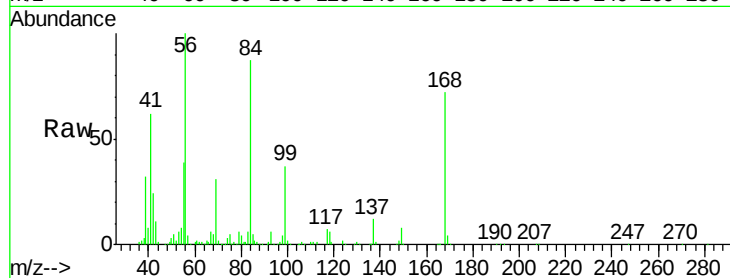
VSTDIC100

Tot Ion:168 Resp: 633610

Ion Ratio Lower Upper

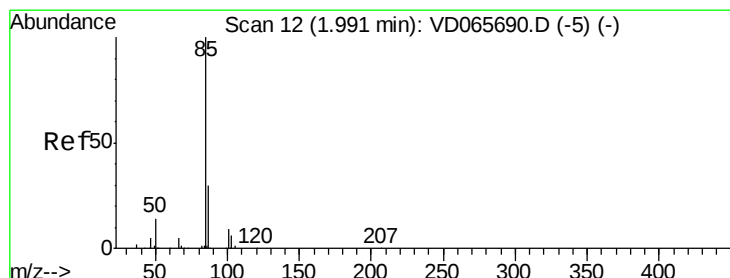
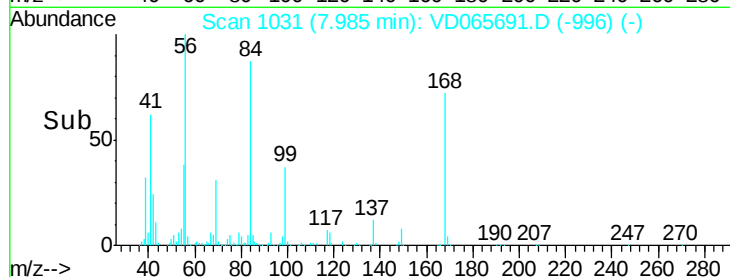
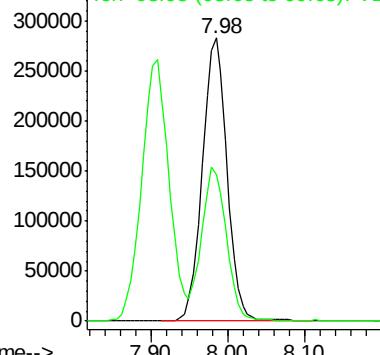
168 100

99 51.9 44.8 67.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 55.037 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD065691.D

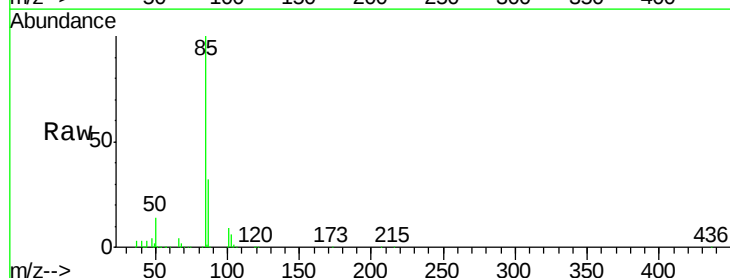
Acq: 01 May 2020 19:41

Tgt Ion: 85 Resp: 285724

Ion Ratio Lower Upper

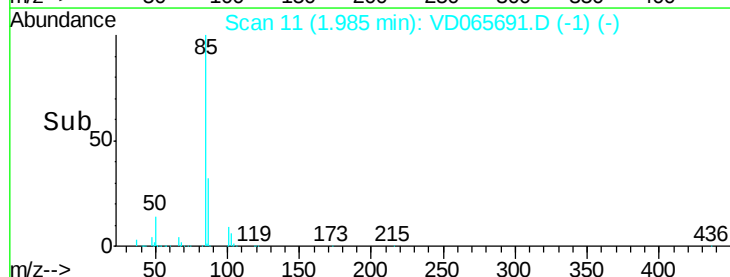
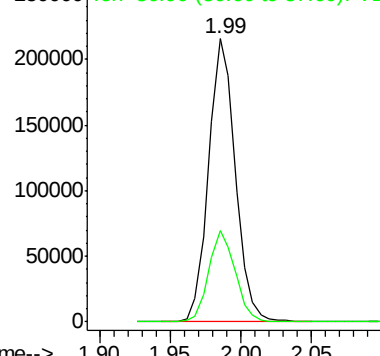
85 100

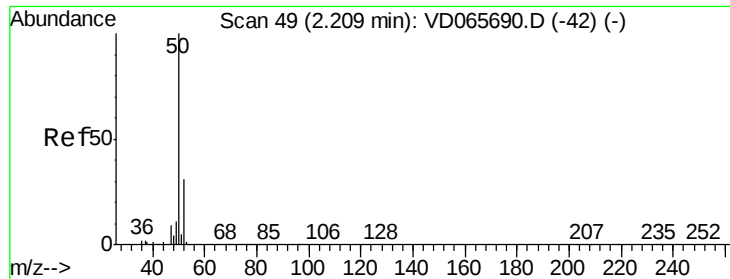
87 32.1 14.9 44.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 110.717 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

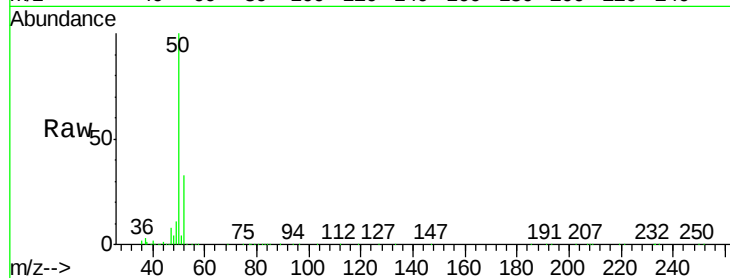
VSTDIC100

Tot Ion: 50 Resp: 558147

Ion Ratio Lower Upper

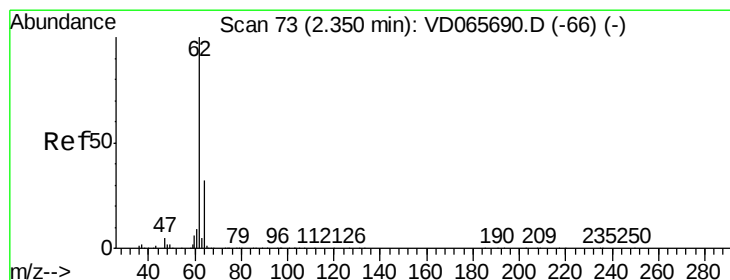
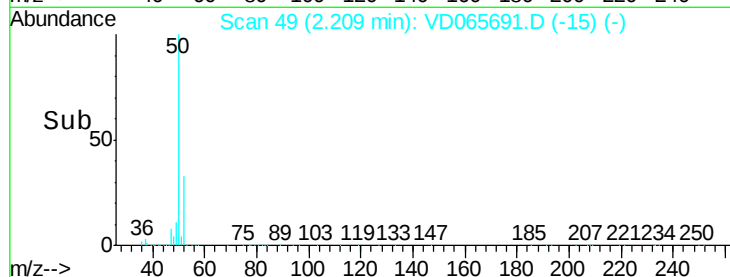
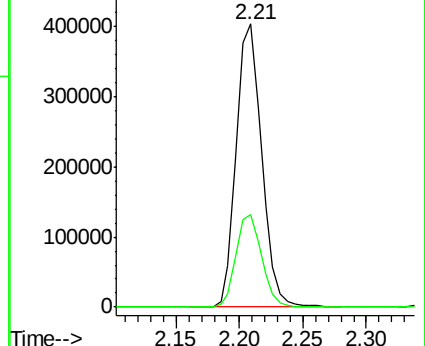
50 100

52 32.9 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 143.650 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD065691.D

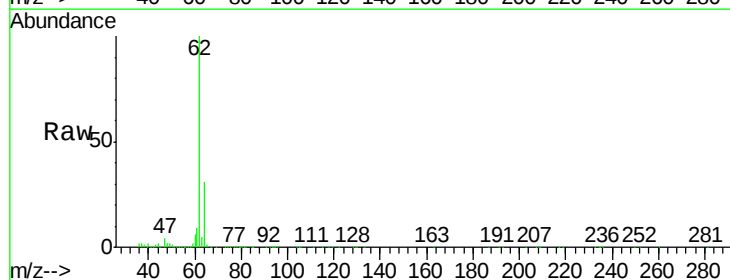
Acq: 01 May 2020 19:41

Tgt Ion: 62 Resp: 700578

Ion Ratio Lower Upper

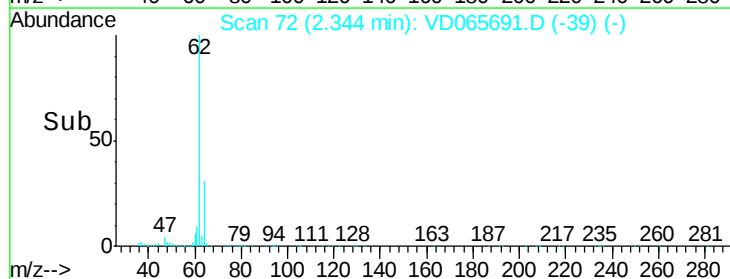
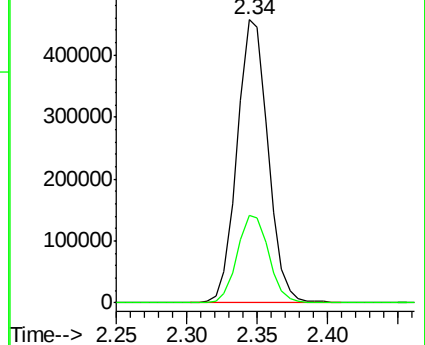
62 100

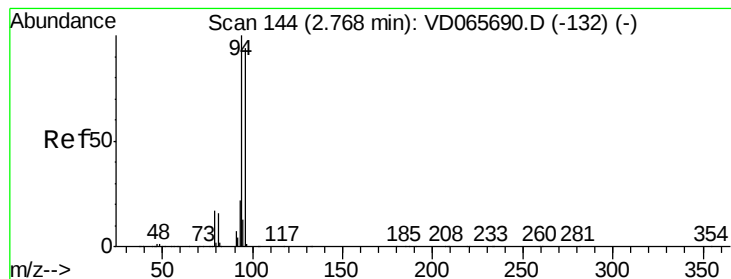
64 31.0 25.4 38.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 239.636 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD065691.D

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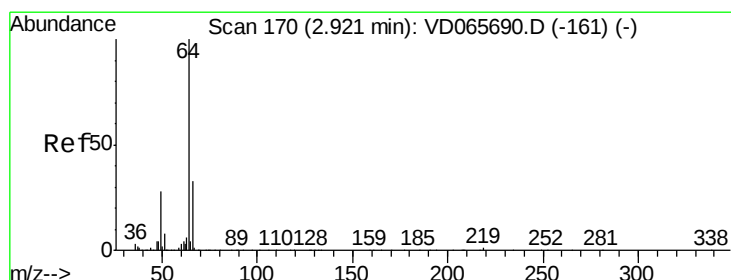
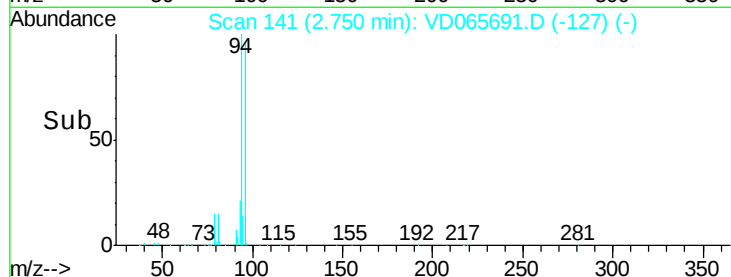
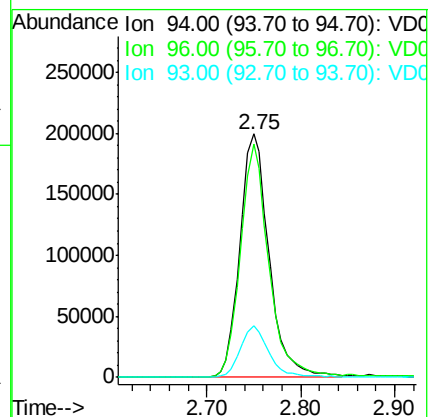
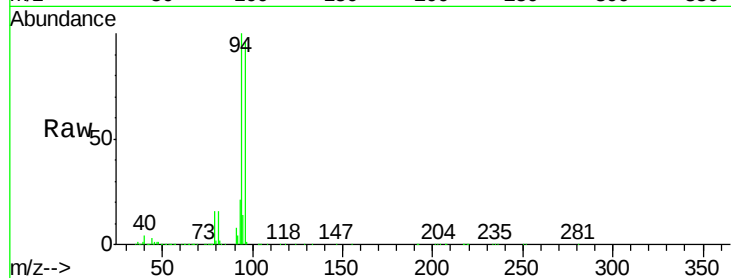
Tot Ion: 94 Resp: 427656

Ion Ratio Lower Upper

94 100

96 95.6 75.1 112.7

93 21.4 17.8 26.6



#6

Chloroethane

Concen: 220.419 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065691.D

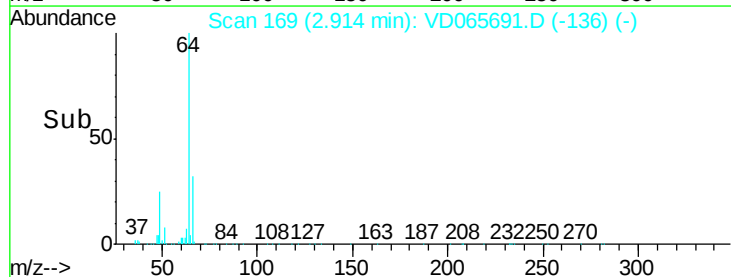
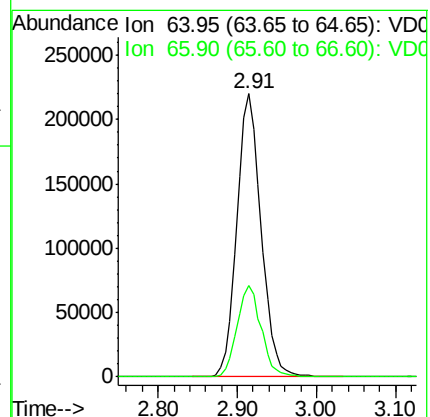
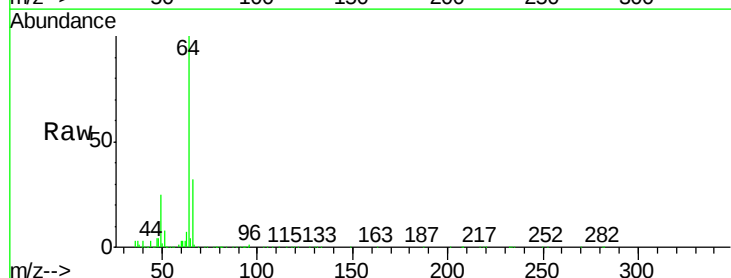
Acq: 01 May 2020 19:41

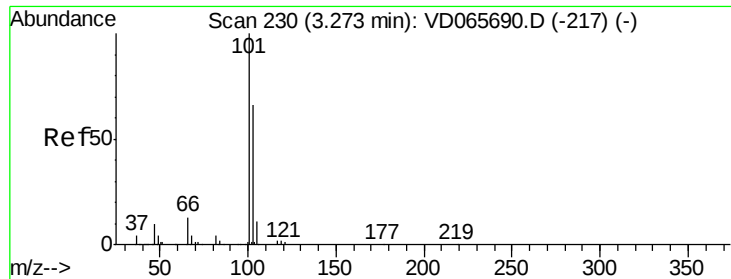
Tgt Ion: 64 Resp: 465290

Ion Ratio Lower Upper

64 100

66 32.4 26.2 39.2



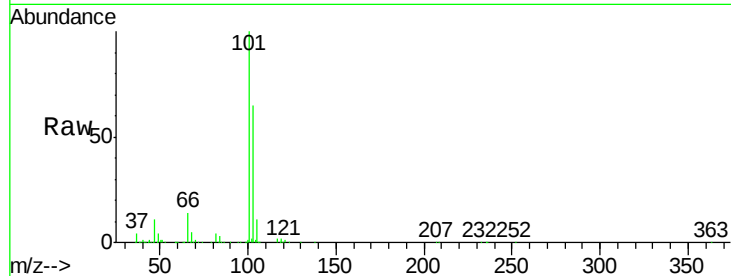


#7

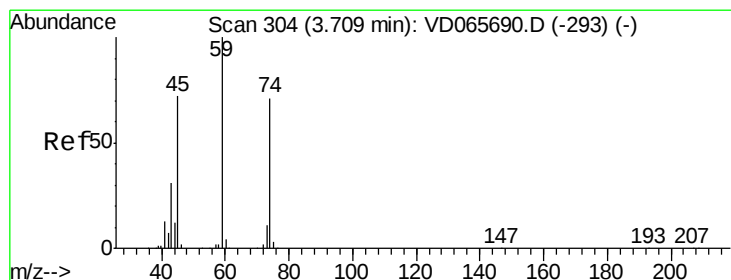
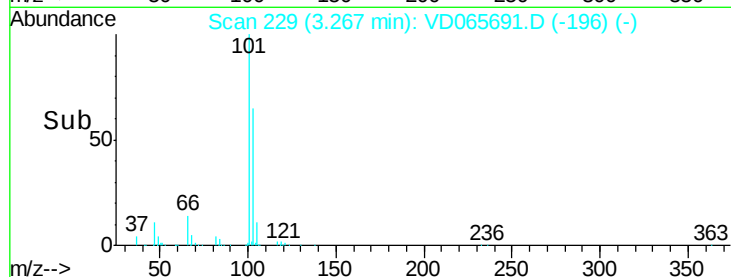
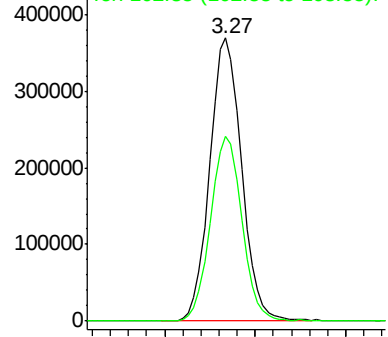
Trichlorofluoromethane
 Concen: 126.643 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065691.D
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Tot Ion:101 Resp: 901245
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.6 79.0



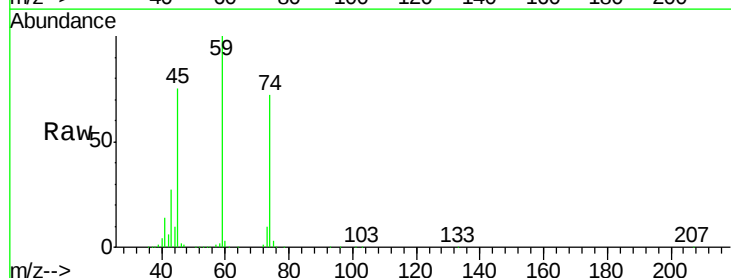
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



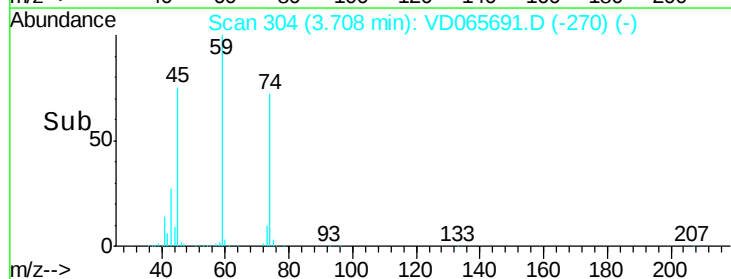
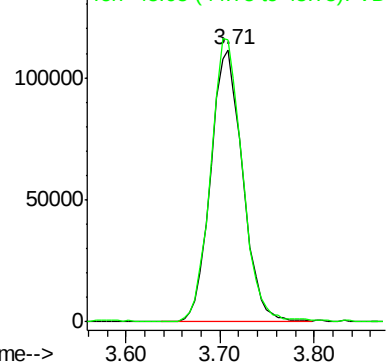
#8

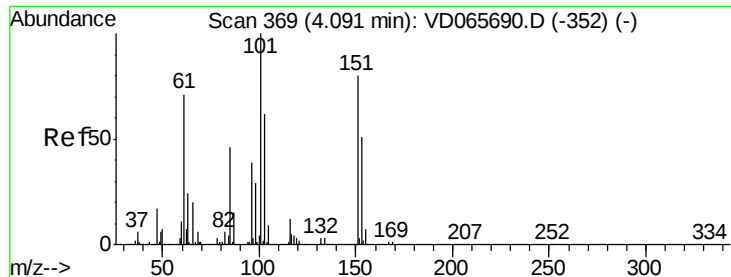
Diethyl Ether
 Concen: 137.687 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065691.D
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Tgt Ion: 74 Resp: 262571
 Ion Ratio Lower Upper
 74 100
 45 103.8 50.8 152.4



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 90.204 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

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MSVOA_D

ClientSampleId :

VSTDIC100

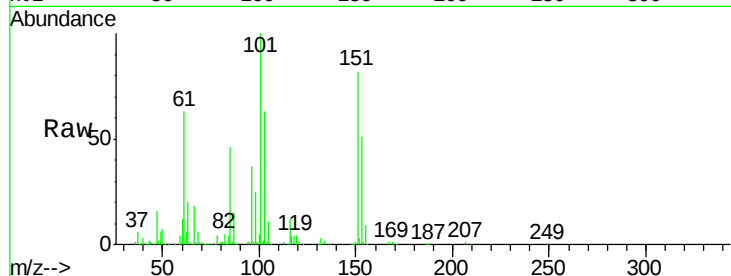
Tot Ion:101 Resp: 545847

Ion Ratio Lower Upper

101 100

85 45.9 36.7 55.1

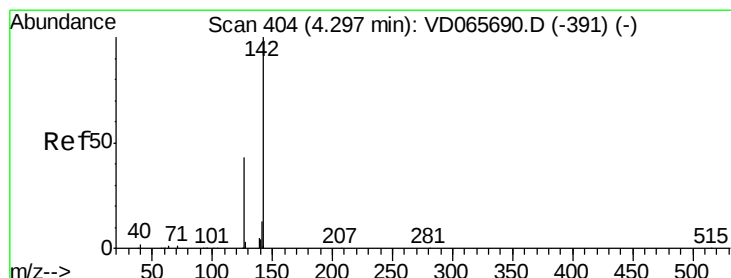
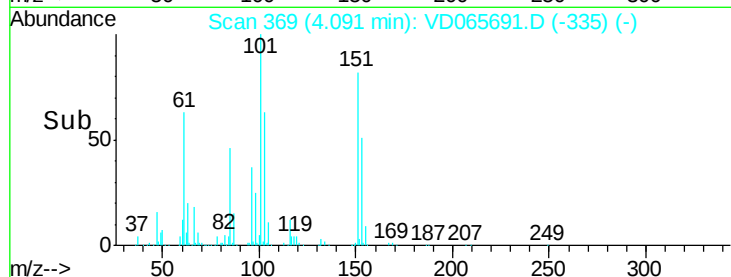
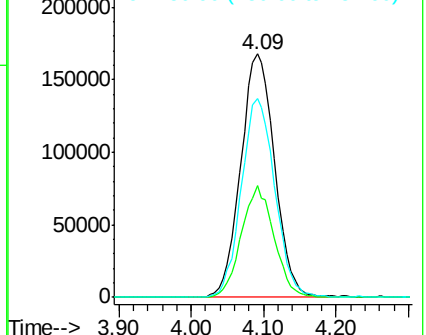
151 81.9 63.8 95.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 86.081 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

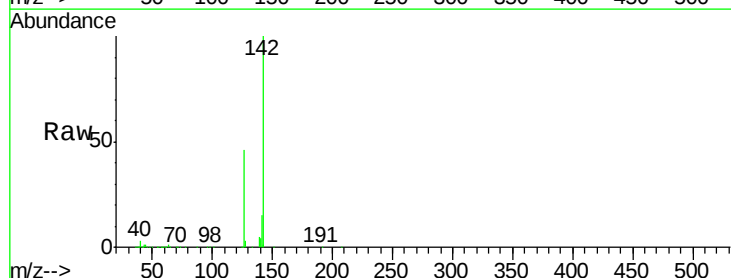
Tgt Ion:142 Resp: 606201

Ion Ratio Lower Upper

142 100

127 46.1 34.3 51.5

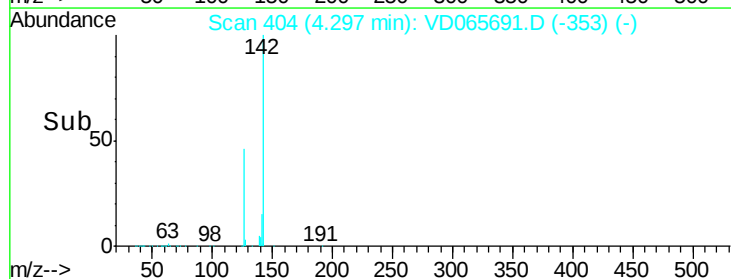
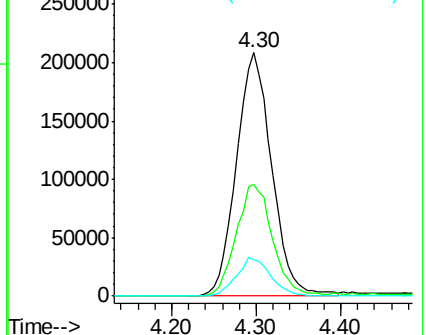
141 14.8 10.3 15.5

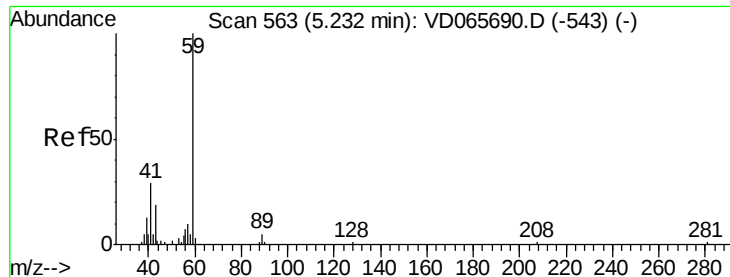


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

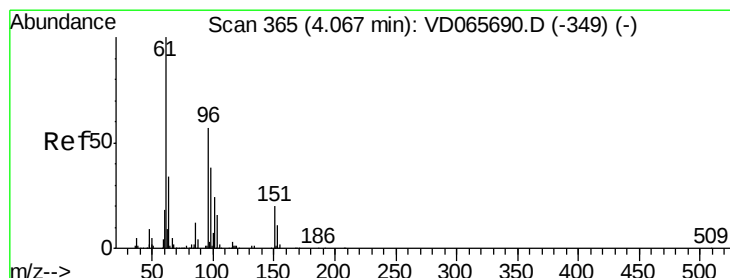
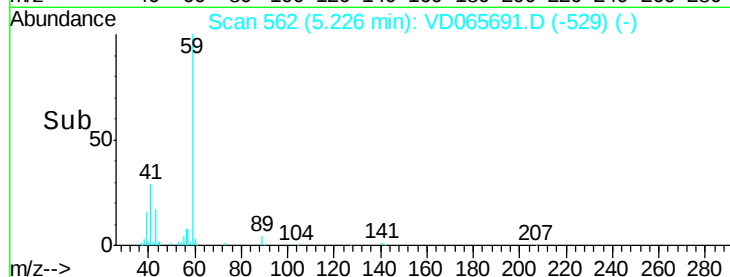
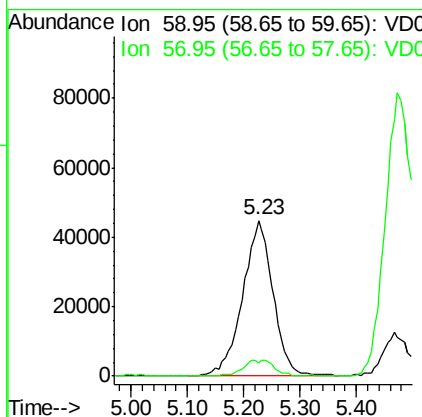
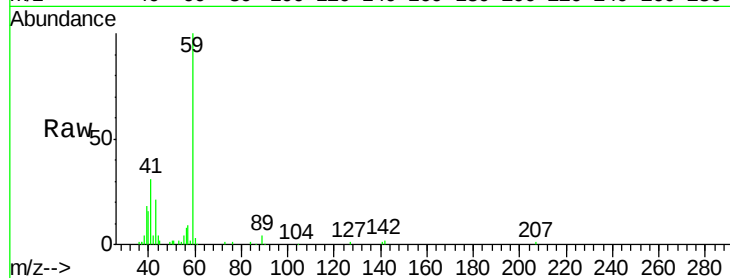




#11
Tert butyl alcohol
Concen: 568.096 ug/l
RT: 5.23 min Scan# 562
Delta R.T. -0.01 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

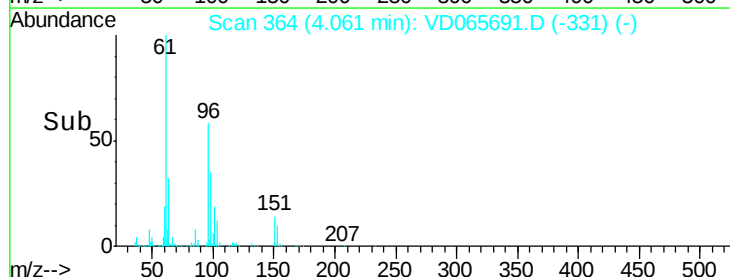
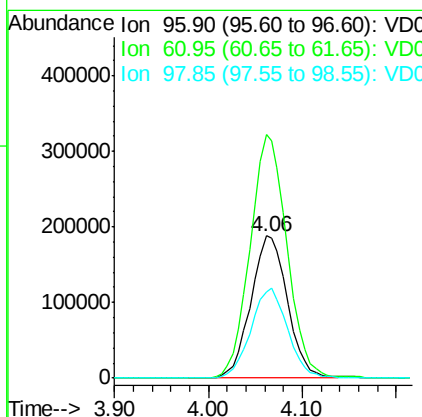
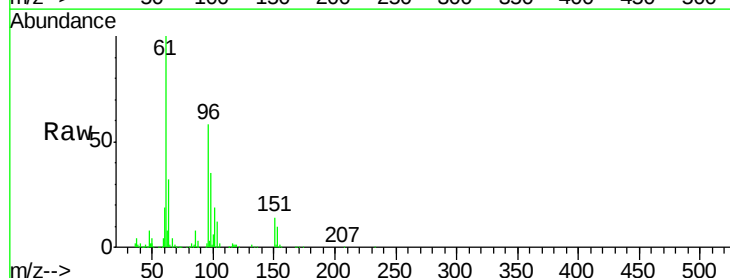
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

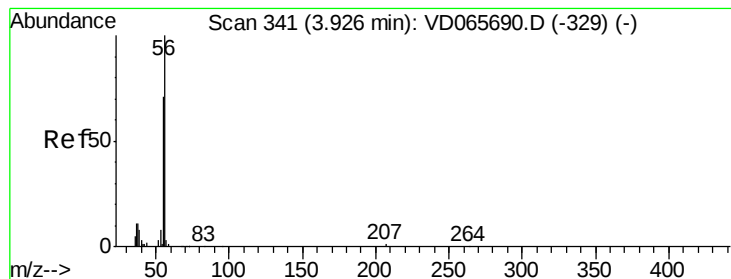
Tot Ion: 59 Resp: 168820
Ion Ratio Lower Upper
59 100
57 8.6 8.2 12.4



#12
1,1-Dichloroethene
Concen: 97.736 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

Tgt Ion: 96 Resp: 506735
Ion Ratio Lower Upper
96 100
61 171.2 140.4 210.6
98 60.6 53.4 80.2





#13

Acrolein

Concen: 793.057 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

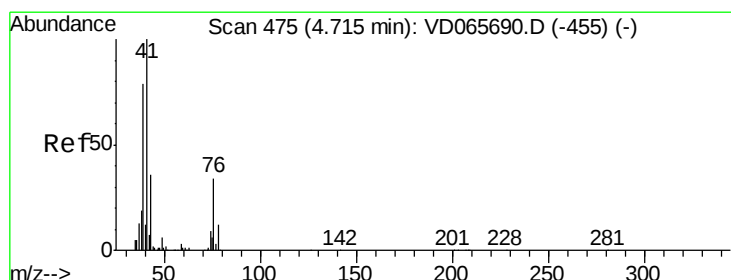
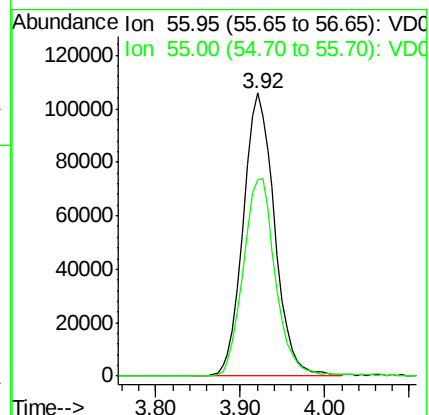
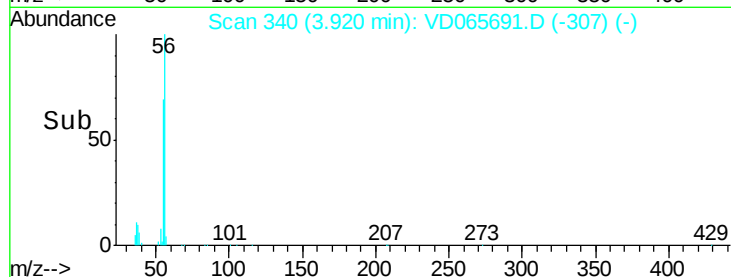
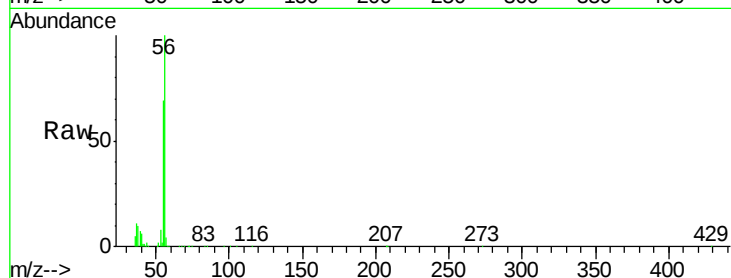
VSTDIC100

Tot Ion: 56 Resp: 272500

Ion Ratio Lower Upper

56 100

55 69.3 56.8 85.2



#14

Allyl chloride

Concen: 123.995 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

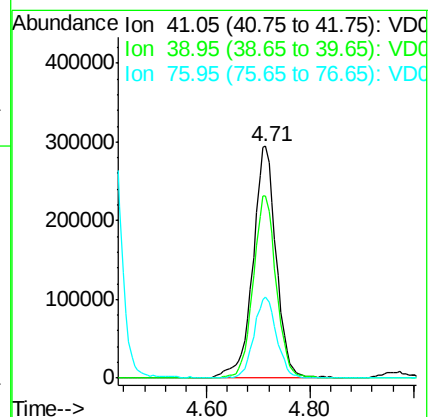
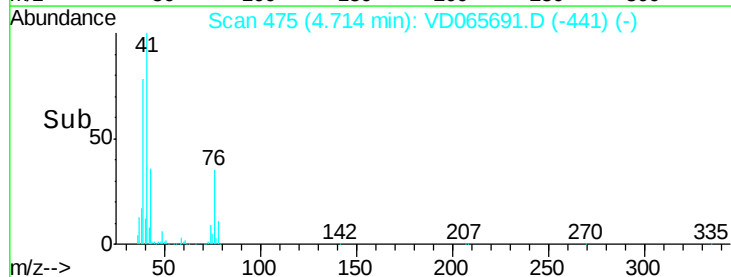
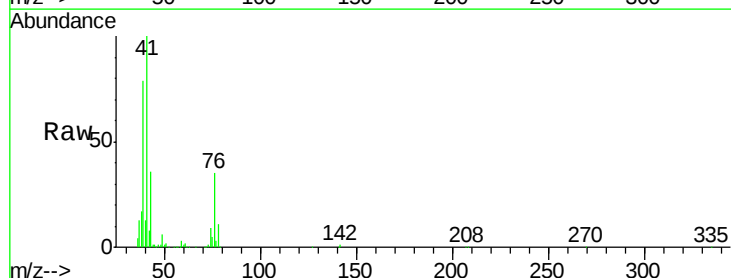
Tgt Ion: 41 Resp: 921944

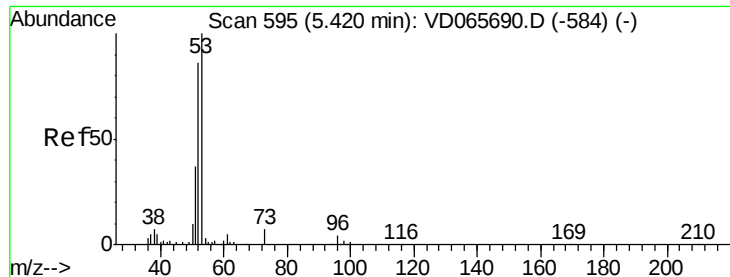
Ion Ratio Lower Upper

41 100

39 78.5 63.6 95.4

76 35.2 27.4 41.0





#15

Acrylonitrile

Concen: 673.960 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

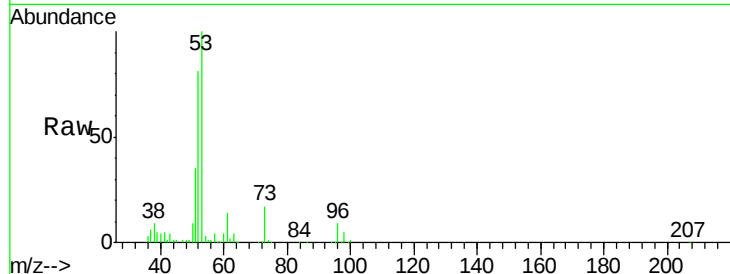
Tot Ion: 53 Resp: 633520

Ion Ratio Lower Upper

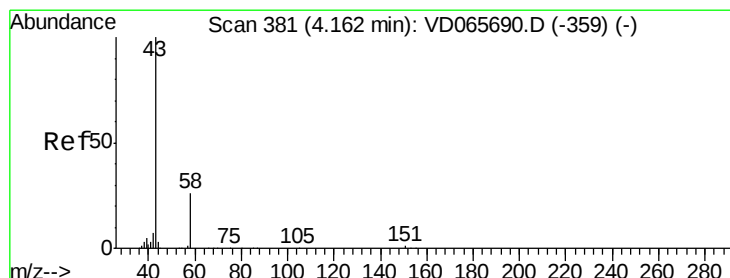
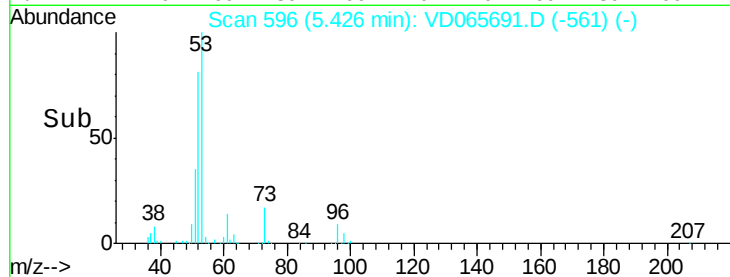
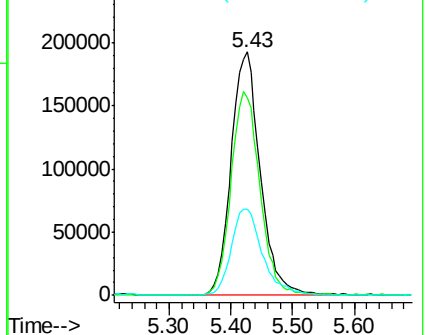
53 100

52 81.0 69.3 103.9

51 35.5 29.8 44.6



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: 457.371 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD065691.D

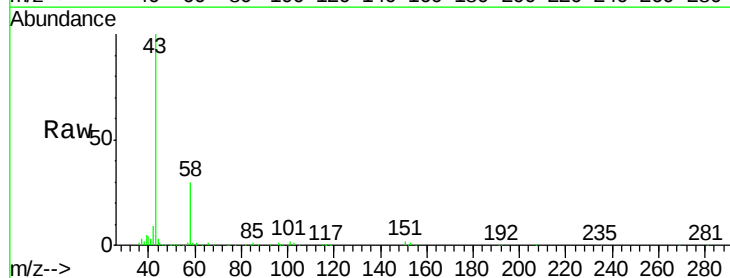
Acq: 01 May 2020 19:41

Tgt Ion: 43 Resp: 536008

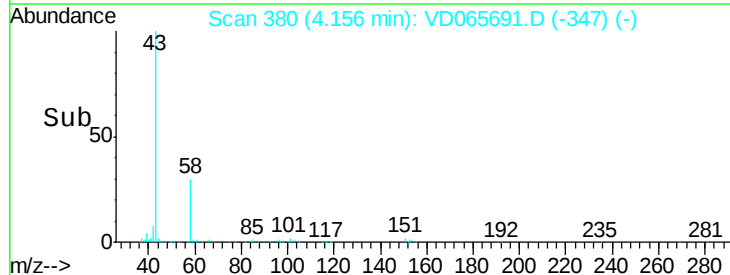
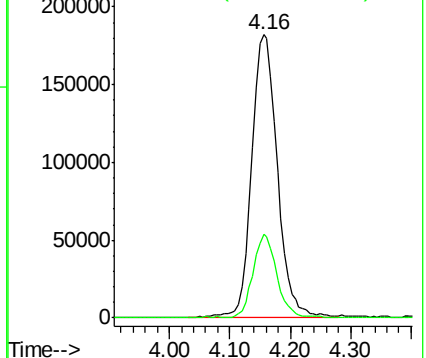
Ion Ratio Lower Upper

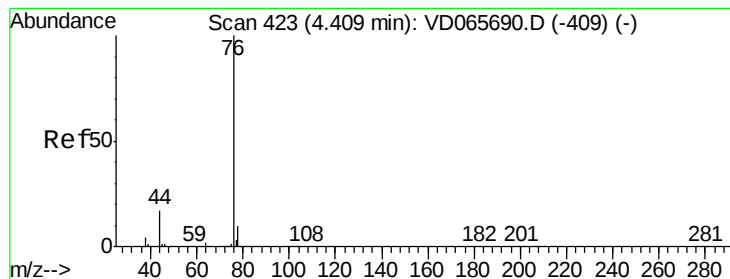
43 100

58 29.7 21.0 31.6



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 105.161 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

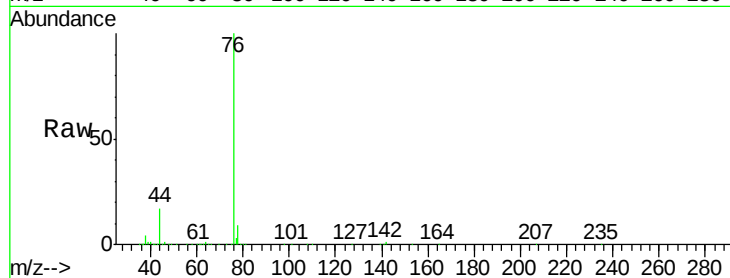
VSTDICC100

Tot Ion: 76 Resp: 1607110

Ion Ratio Lower Upper

76 100

78 9.3 7.8 11.6



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

4.41

600000

500000

400000

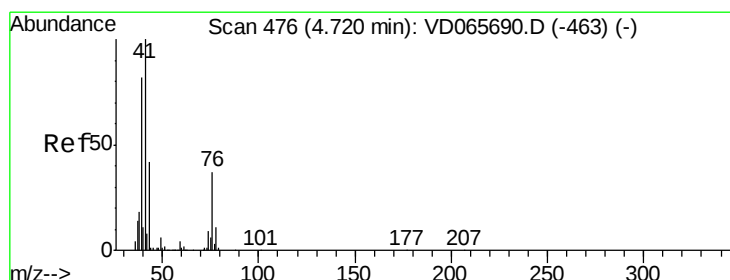
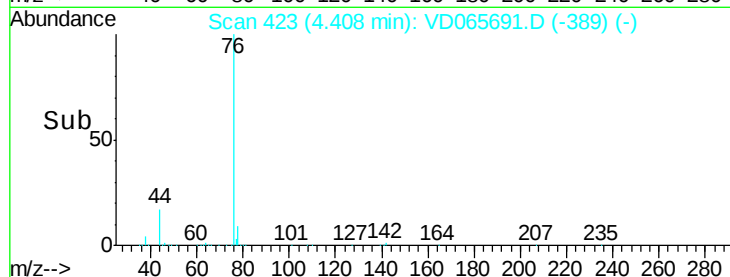
300000

200000

100000

0

Time--> 4.20 4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 125.848 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD065691.D

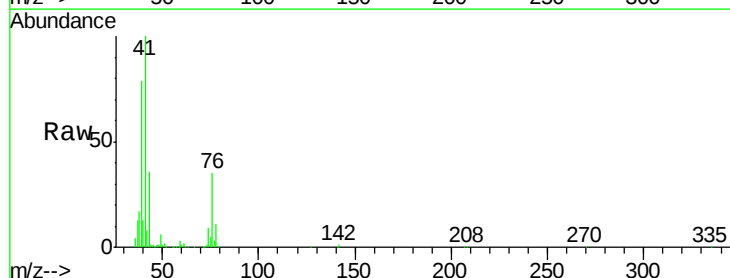
Acq: 01 May 2020 19:41

Tgt Ion: 43 Resp: 327279

Ion Ratio Lower Upper

43 100

74 23.5 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

120000

100000

80000

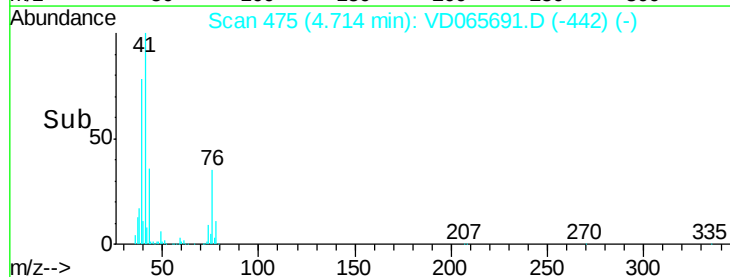
60000

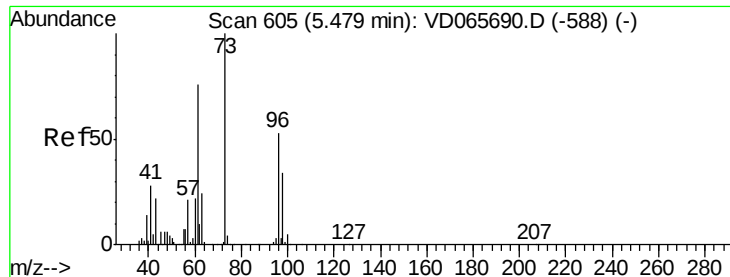
40000

20000

0

Time--> 4.60 4.70 4.80 4.90

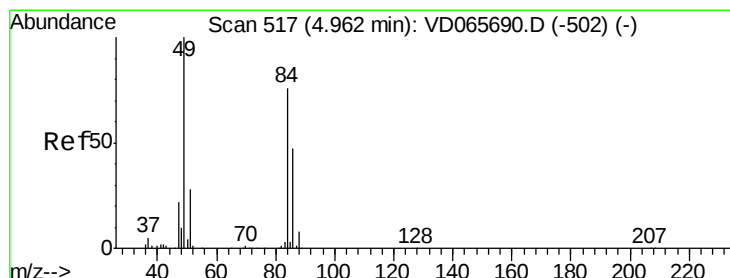
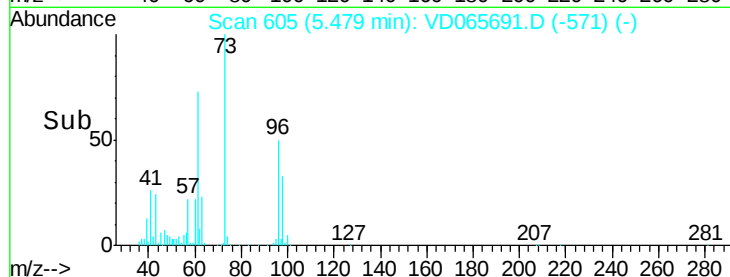
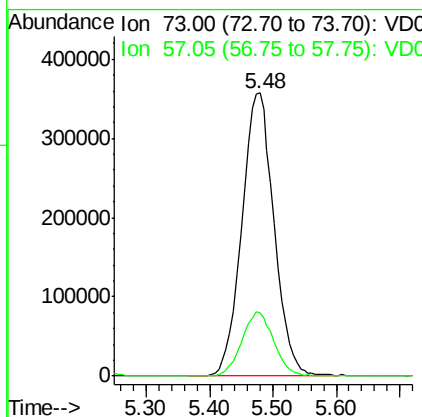
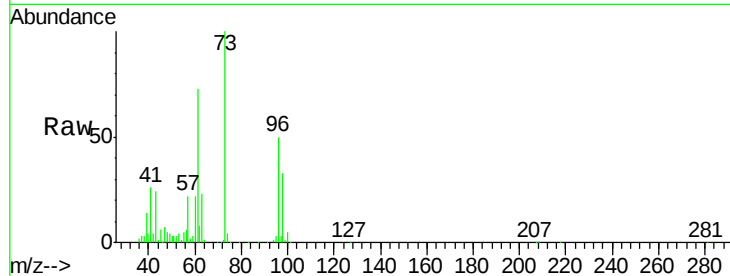




#19
Methyl tert-butyl Ether
Concen: 118.623 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

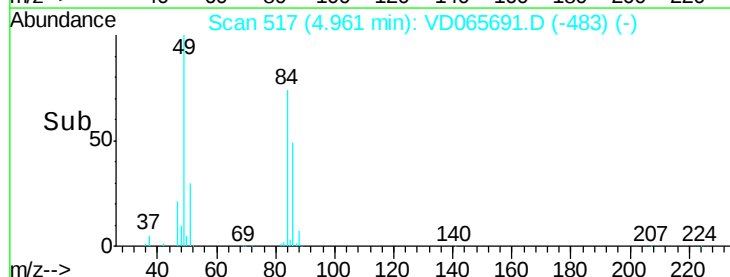
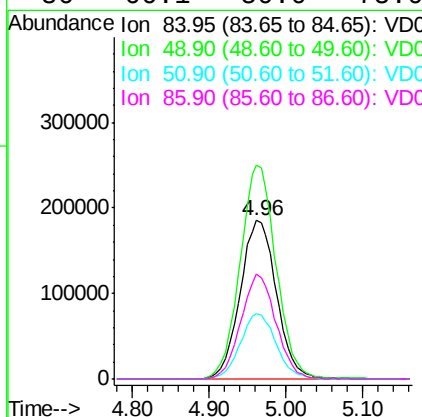
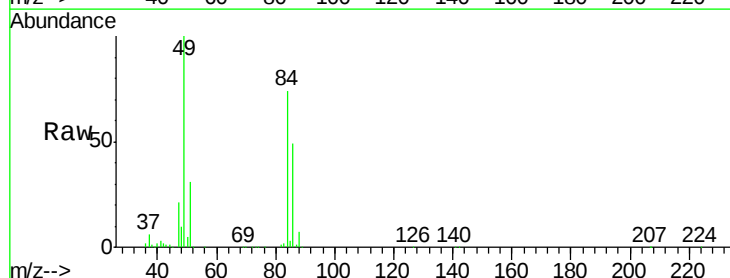
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

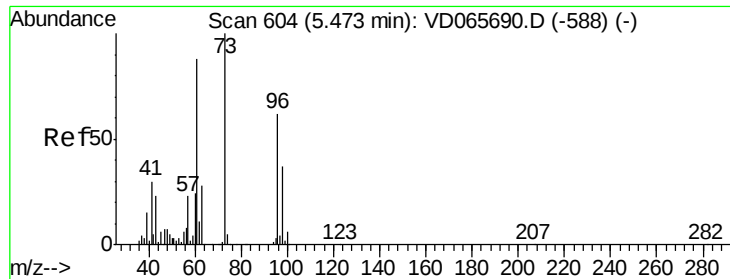
Tot Ion: 73 Resp: 1260294
Ion Ratio Lower Upper
73 100
57 22.2 16.8 25.2



#20
Methylene Chloride
Concen: 90.577 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

Tgt Ion: 84 Resp: 609638
Ion Ratio Lower Upper
84 100
49 135.0 105.8 158.6
51 41.3 29.4 44.2
86 66.1 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 103.525 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

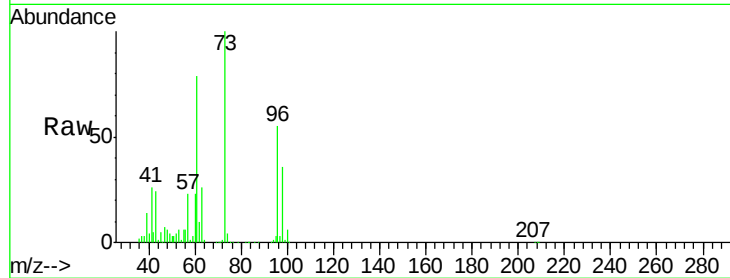
Tot Ion: 96 Resp: 619756

Ion Ratio Lower Upper

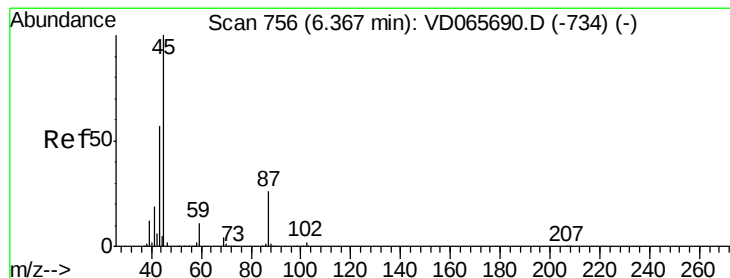
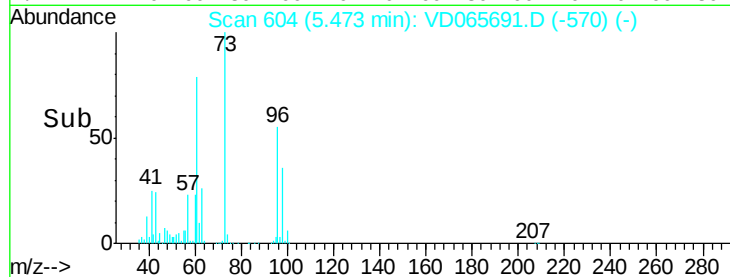
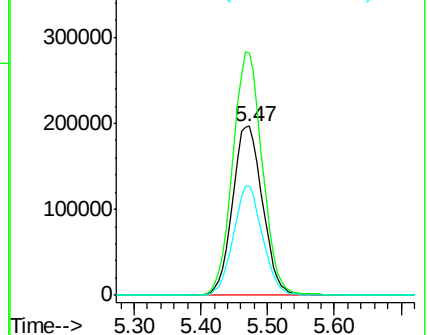
96 100

61 143.6 114.8 172.2

98 64.3 47.9 71.9



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 112.932 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Tgt Ion: 45 Resp: 1916413

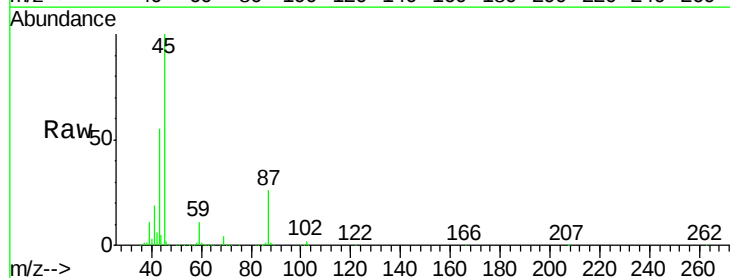
Ion Ratio Lower Upper

45 100

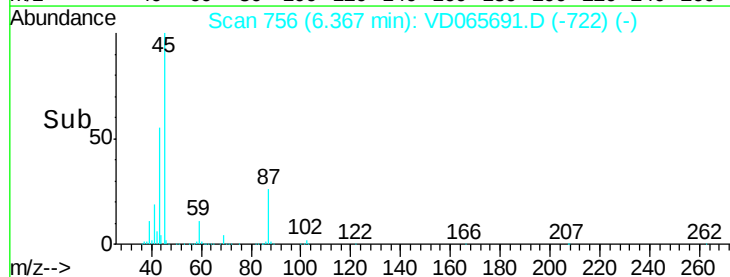
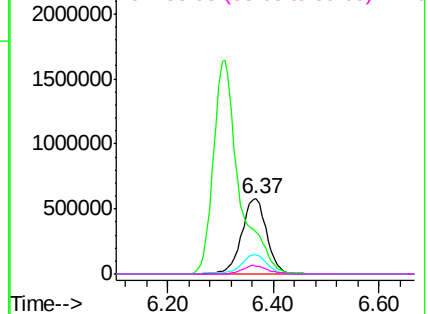
43 55.3 45.8 68.6

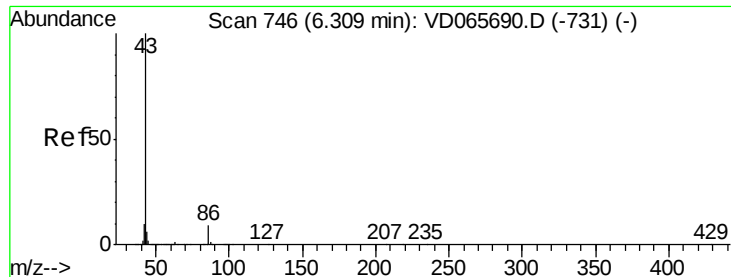
87 25.9 20.6 31.0

59 11.0 9.2 13.8



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 620.232 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

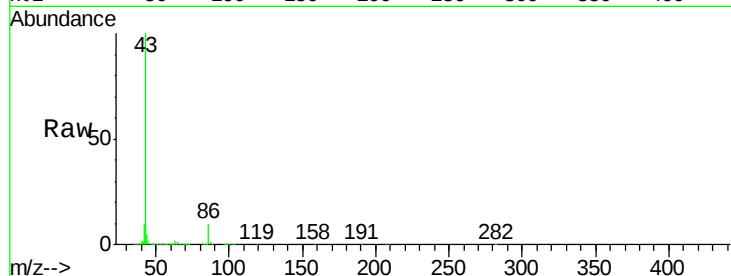
VSTDIC100

Tot Ion: 43 Resp: 5561933

Ion Ratio Lower Upper

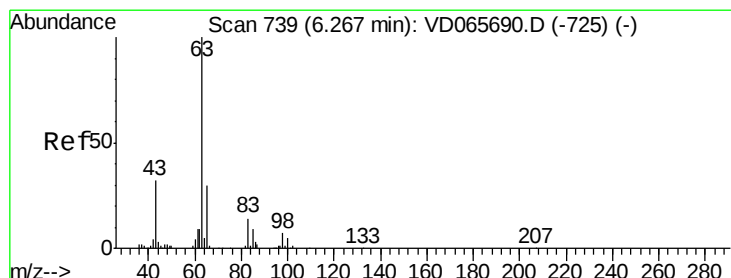
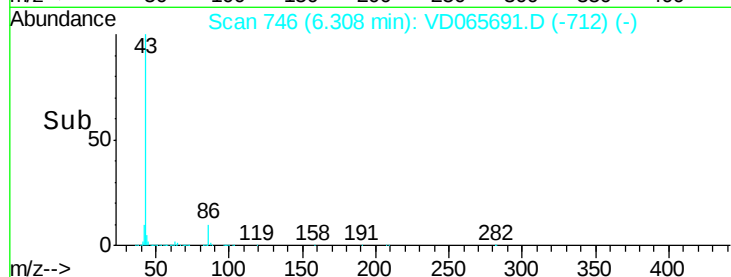
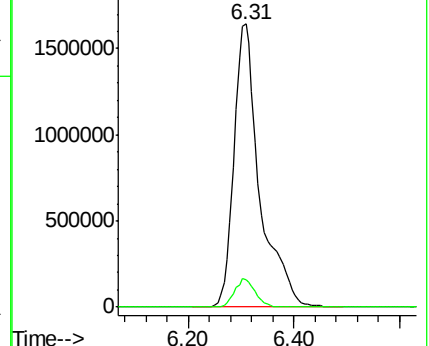
43 100

86 9.7 7.4 11.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 105.714 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

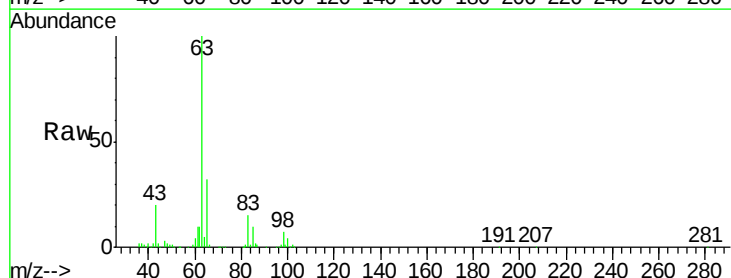
Tgt Ion: 63 Resp: 1084806

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

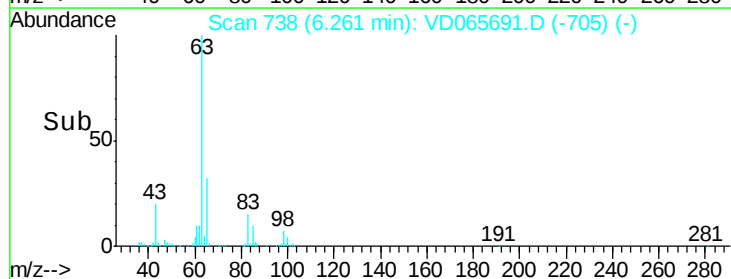
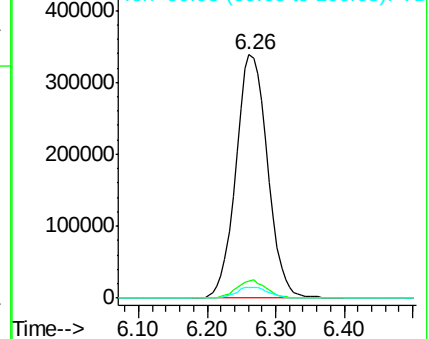
100 4.5 2.3 6.9

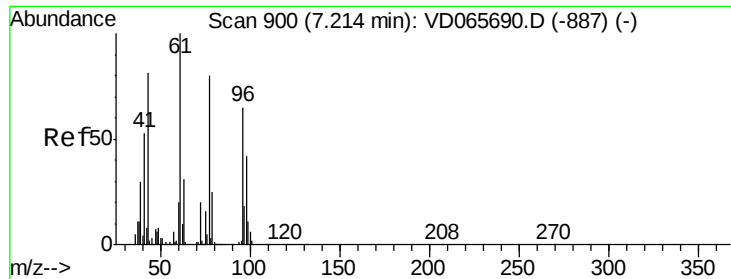


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

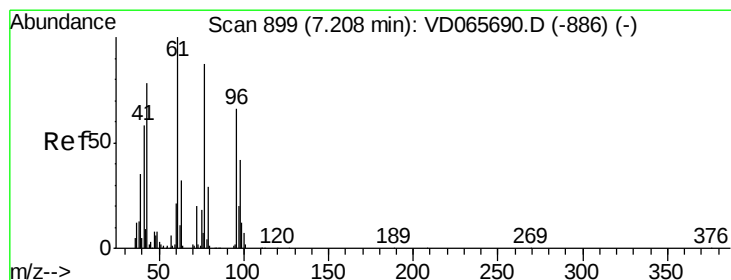
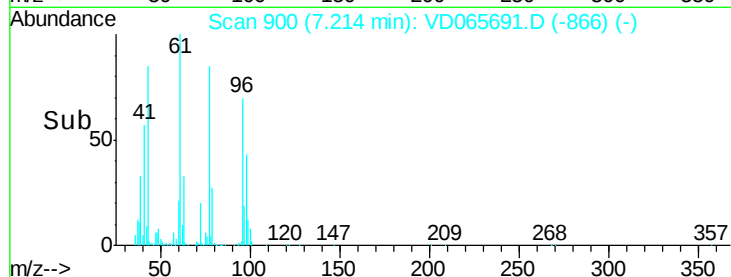
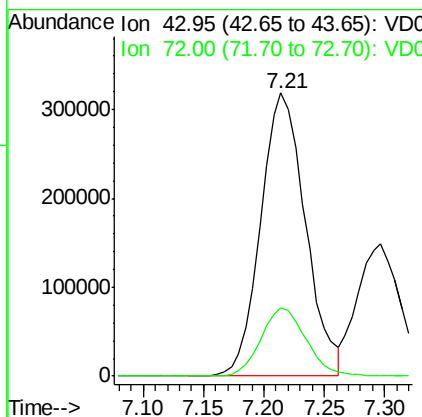
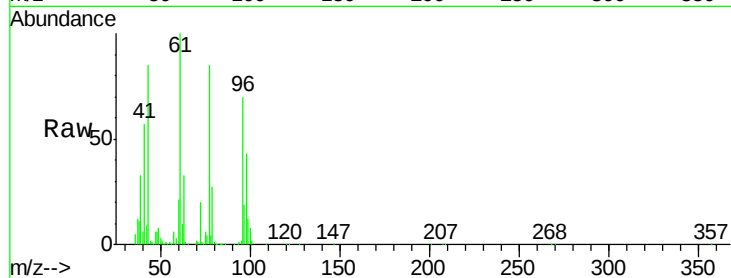




#25
2-Butanone
Concen: 550.566 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

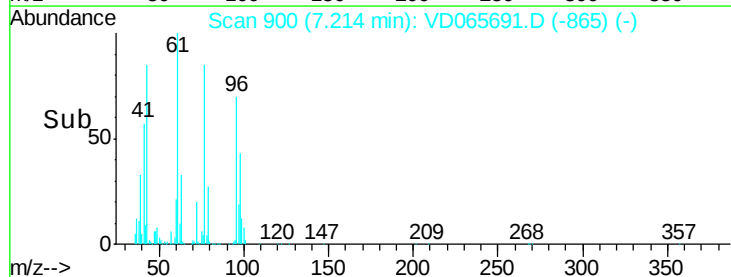
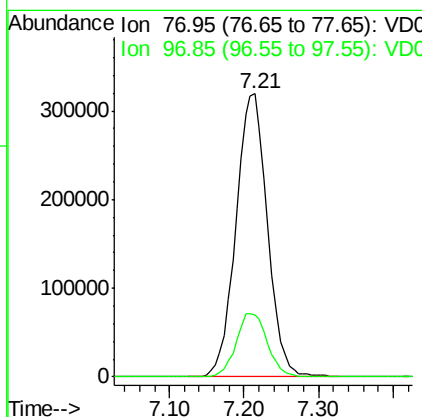
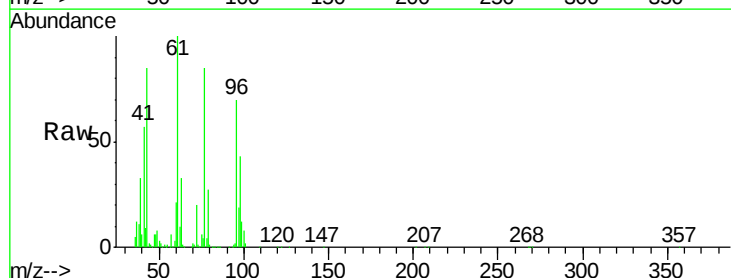
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

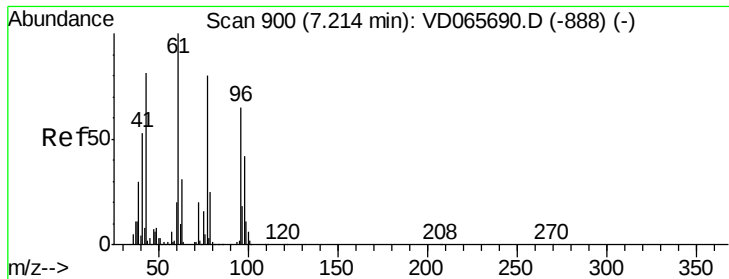
Tot Ion: 43 Resp: 815008
Ion Ratio Lower Upper
43 100
72 24.0 19.2 28.8



#26
2,2-Dichloropropane
Concen: 104.779 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

Tgt Ion: 77 Resp: 933360
Ion Ratio Lower Upper
77 100
97 22.0 11.7 35.1



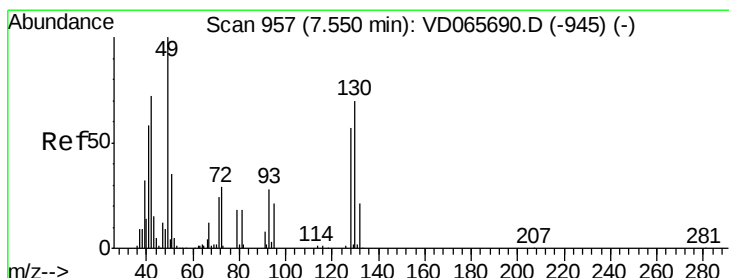
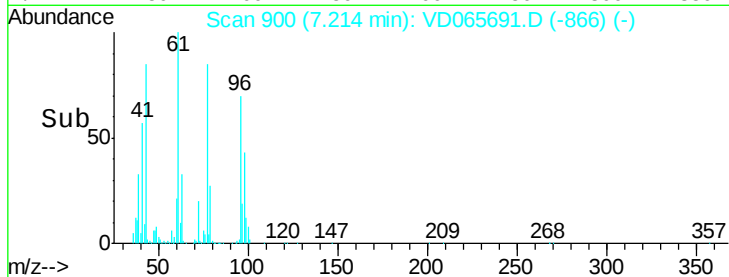
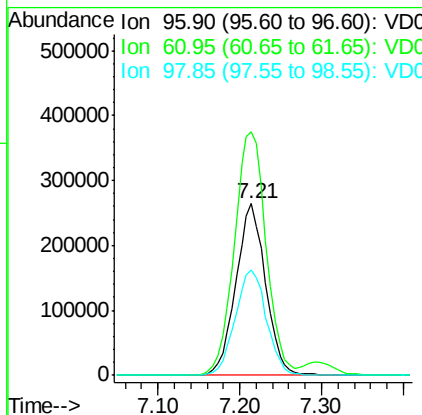
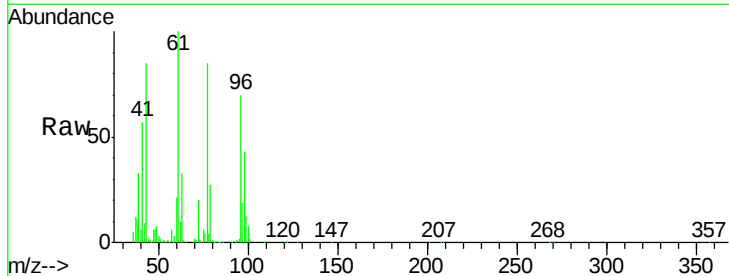


#27

cis-1,2-Dichloroethene
 Concen: 98.401 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065691.D
 Acq: 01 May 2020 19:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

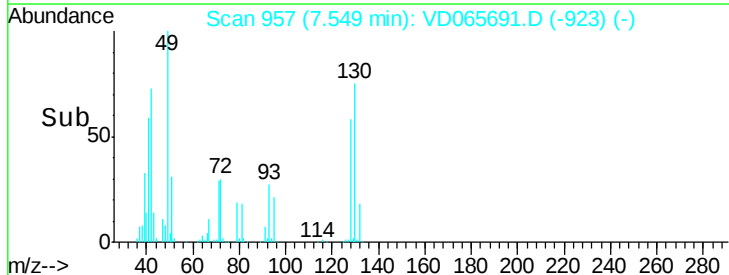
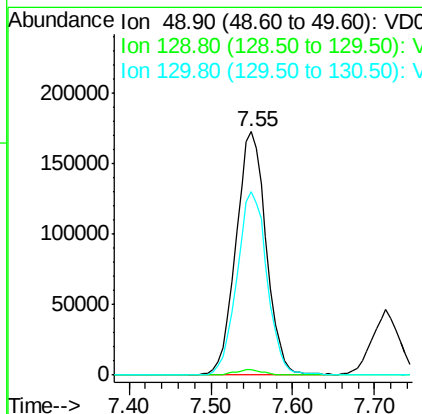
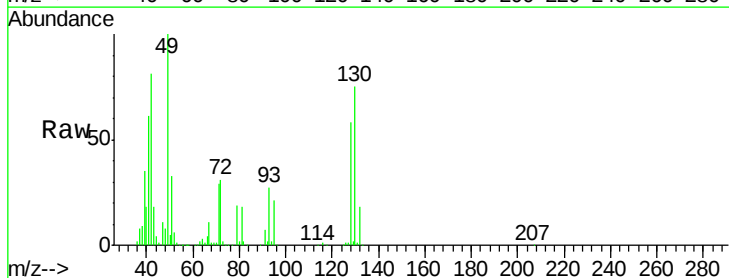
Tot Ion	96	Resp	669166
Ion	Ratio	Lower	Upper
96	100		
61	142.0	0.0	307.2
98	61.2	0.0	128.8

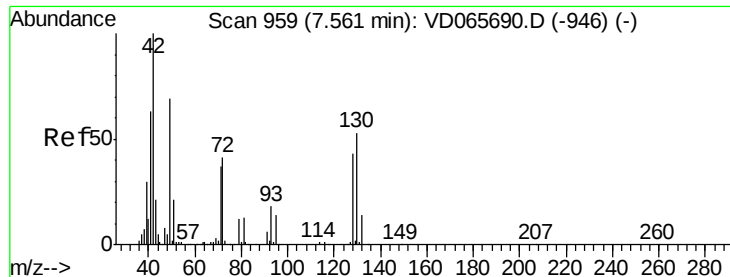


#28

Bromochloromethane
 Concen: 111.589 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065691.D
 Acq: 01 May 2020 19:41

Tgt Ion	49	Resp	442518
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	75.2	55.8	83.6





#29

Tetrahydrofuran

Concen: 702.893 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

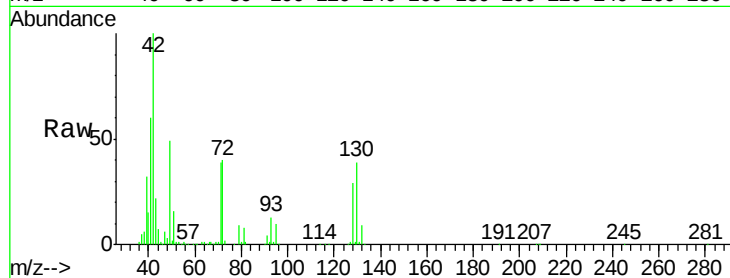
Tot Ion: 42 Resp: 537232

Ion Ratio Lower Upper

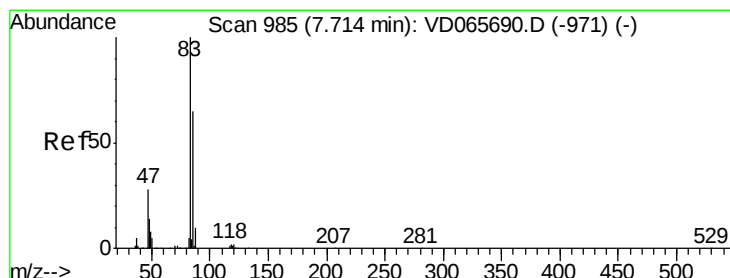
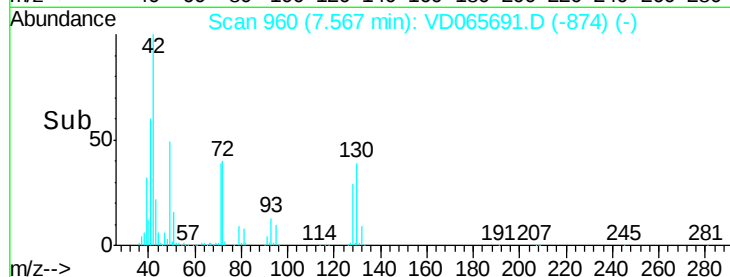
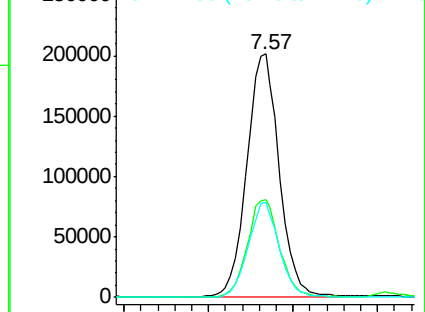
42 100

72 40.1 32.2 48.2

71 37.2 29.7 44.5



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: 99.162 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065691.D

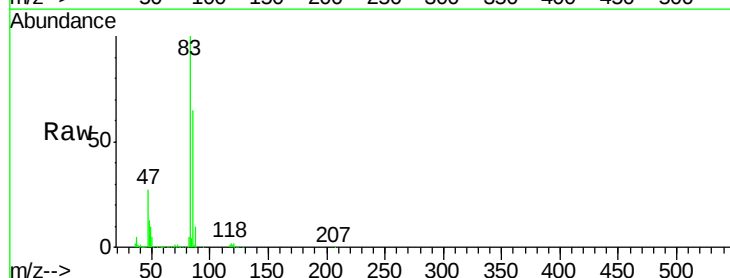
Acq: 01 May 2020 19:41

Tgt Ion: 83 Resp: 1122597

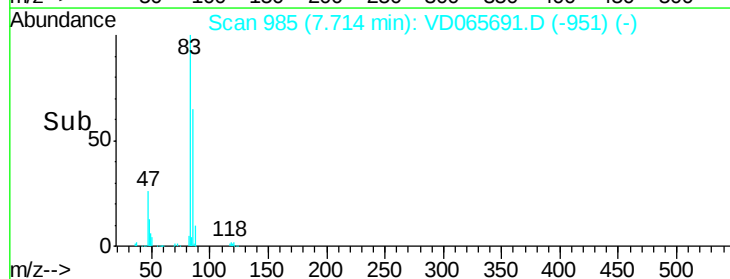
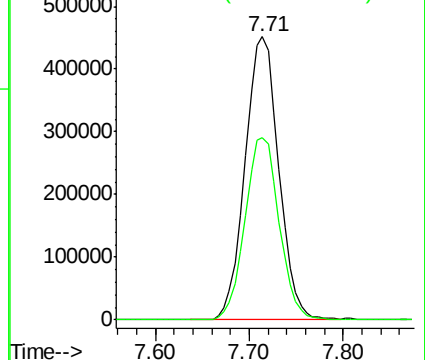
Ion Ratio Lower Upper

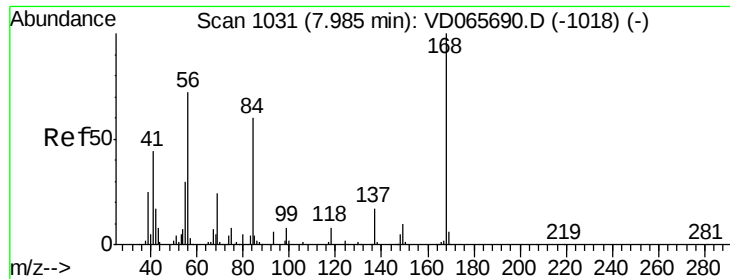
83 100

85 64.5 52.3 78.5



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

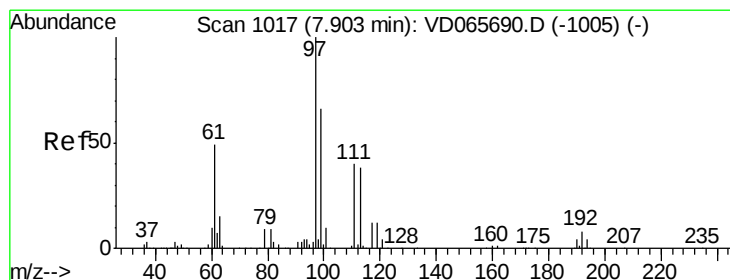
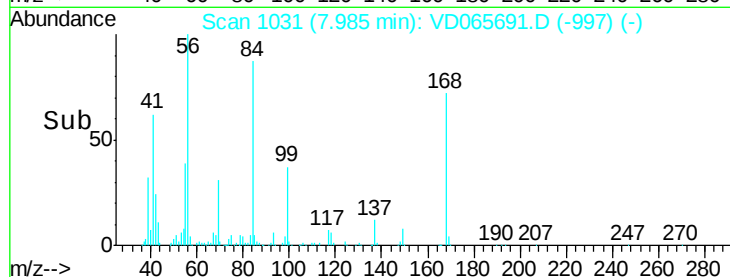
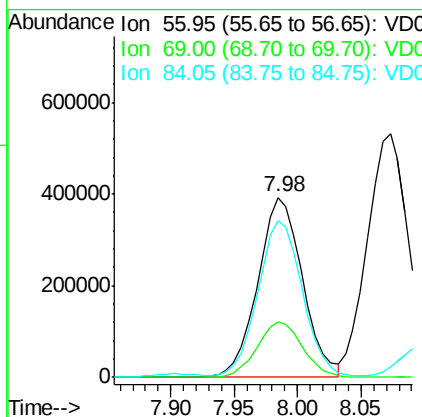
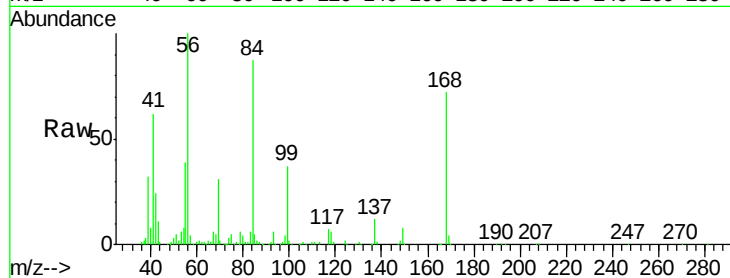




#31
Cyclohexane
Concen: 125.077 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

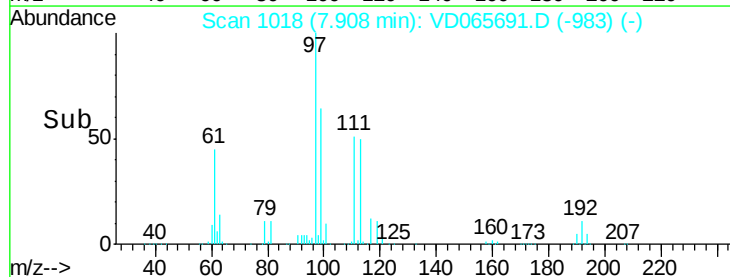
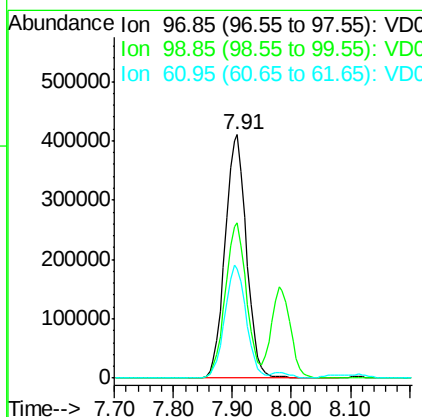
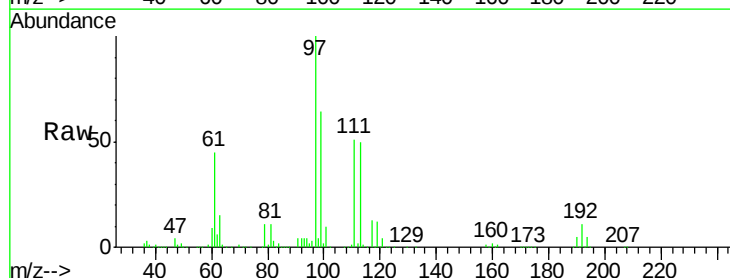
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

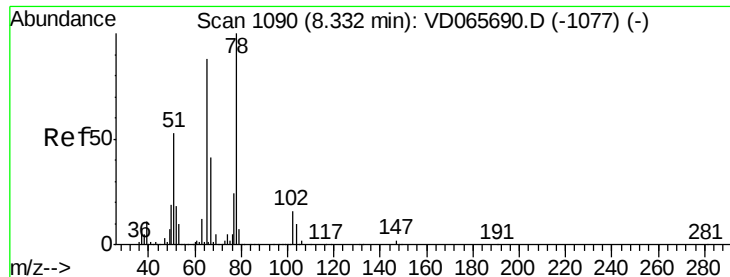
Tot Ion: 56 Resp: 964883
Ion Ratio Lower Upper
56 100
69 31.0 26.2 39.4
84 86.7 67.8 101.8



#32
1,1,1-Trichloroethane
Concen: 105.253 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

Tgt Ion: 97 Resp: 1036046
Ion Ratio Lower Upper
97 100
99 63.7 52.9 79.3
61 44.7 39.0 58.4





#33

1,2-Dichloroethane-d4

Concen: 122.402 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

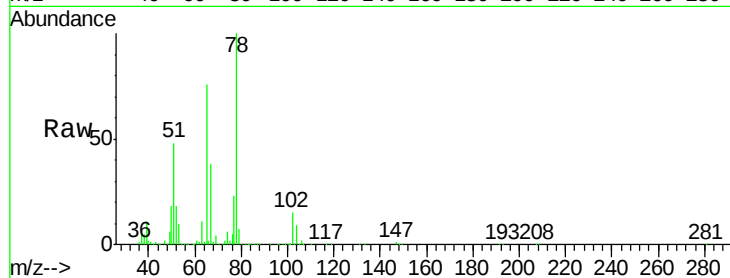
VSTDIC100

Tot Ion: 65 Resp: 653040

Ion Ratio Lower Upper

65 100

67 50.0 0.0 93.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

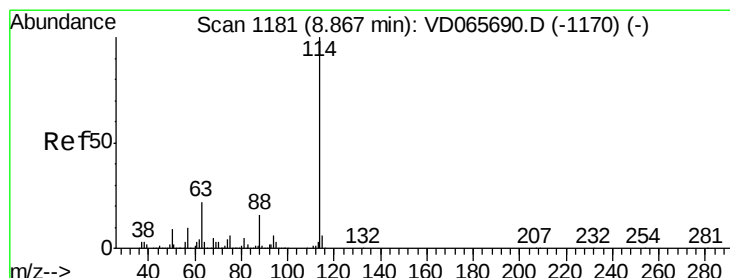
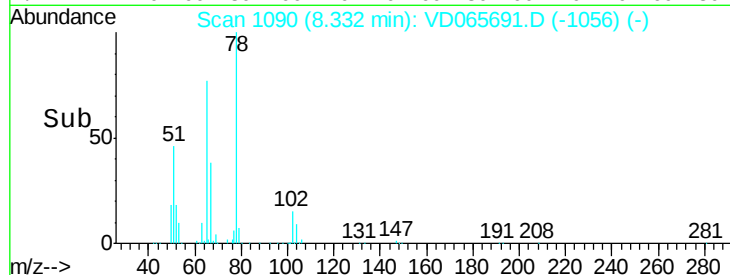
300000

200000

100000

0

Time--> 8.20 8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

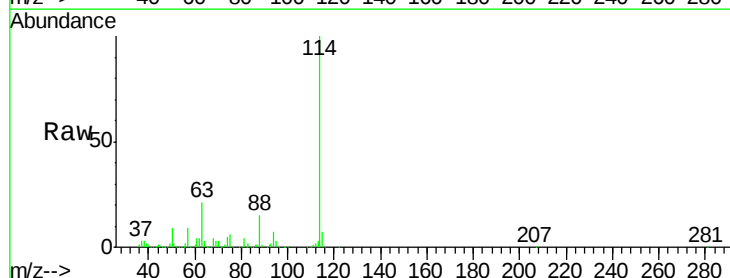
Tgt Ion: 114 Resp: 877643

Ion Ratio Lower Upper

114 100

63 21.3 0.0 44.0

88 14.8 0.0 31.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

600000

500000

400000

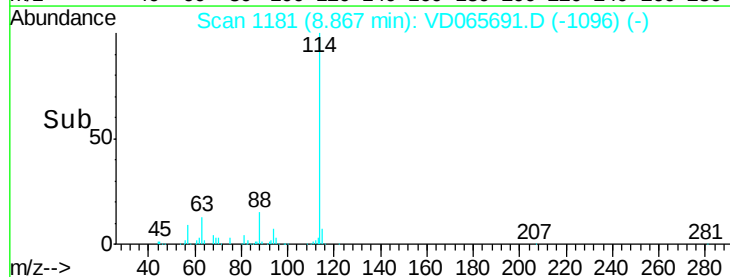
300000

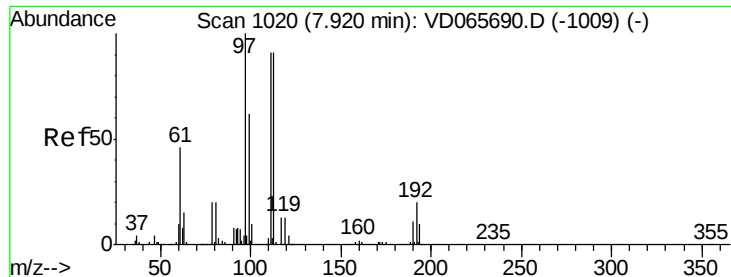
200000

100000

0

Time--> 8.70 8.80 8.90 9.00

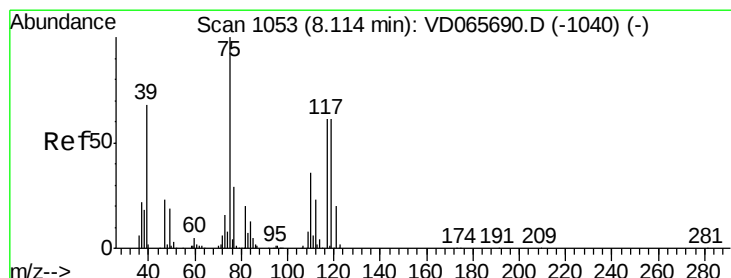
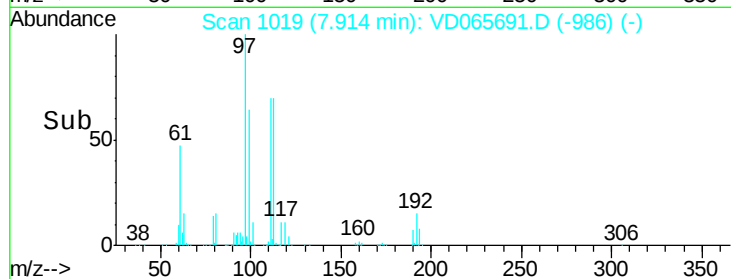
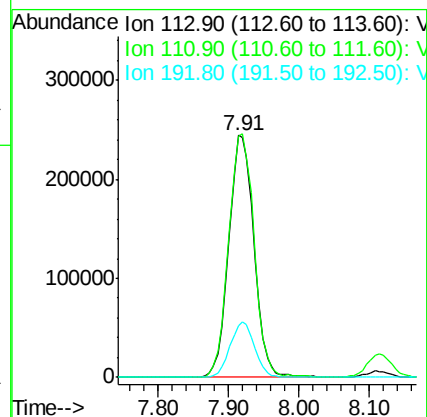
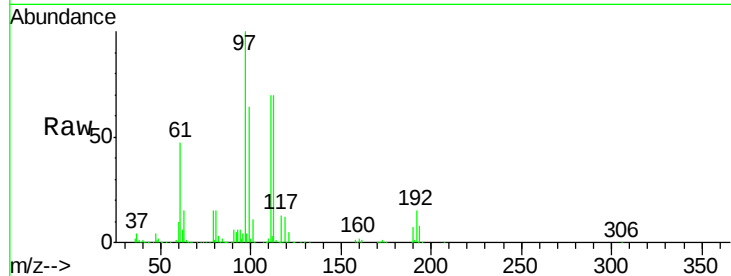




#35
Dibromofluoromethane
Concen: 98.975 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

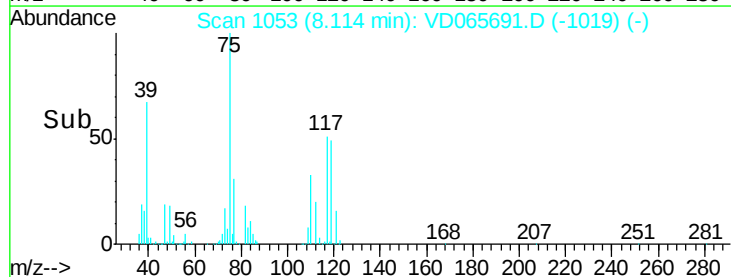
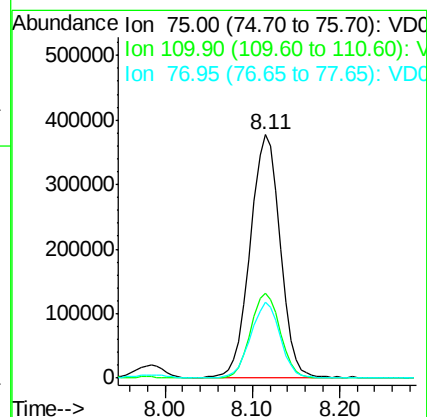
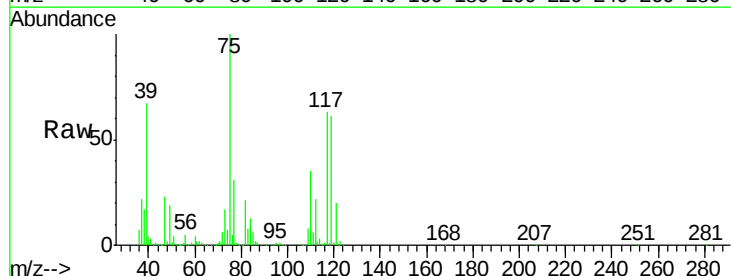
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

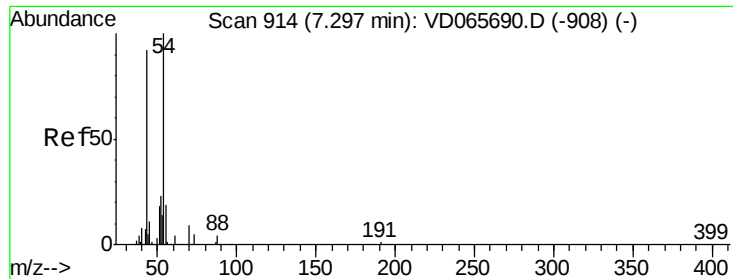
Tot Ion:113 Resp: 604407
Ion Ratio Lower Upper
113 100
111 99.2 80.2 120.4
192 21.1 18.0 27.0



#36
1,1-Dichloropropene
Concen: 122.971 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

Tgt Ion: 75 Resp: 876171
Ion Ratio Lower Upper
75 100
110 34.8 18.0 54.0
77 31.0 23.5 35.3

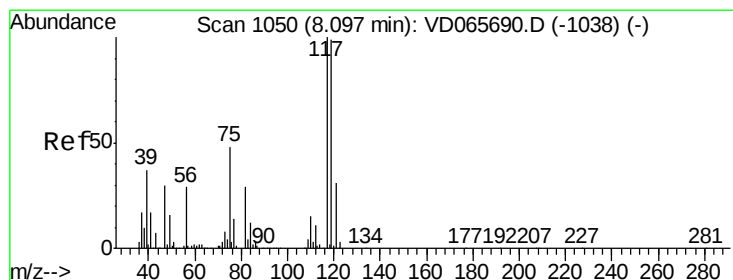
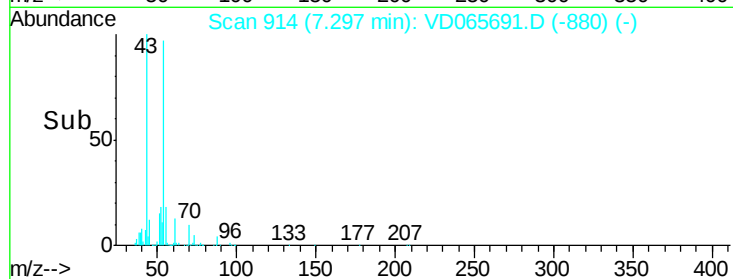
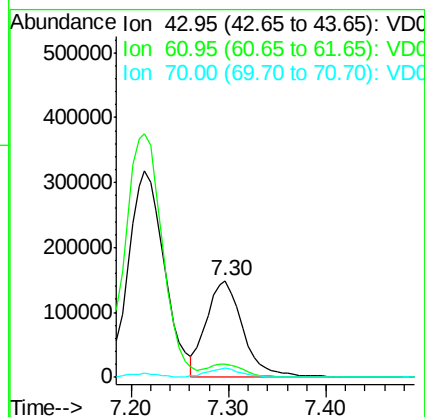
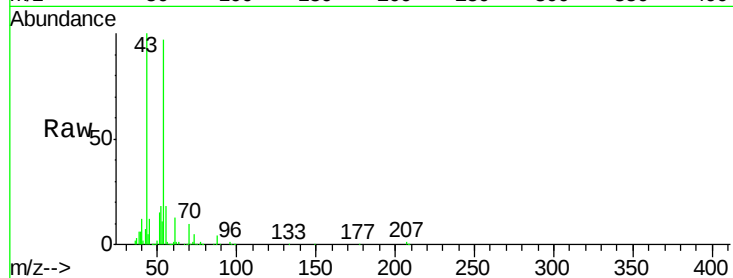




#37
Ethyl Acetate
Concen: 123.092 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

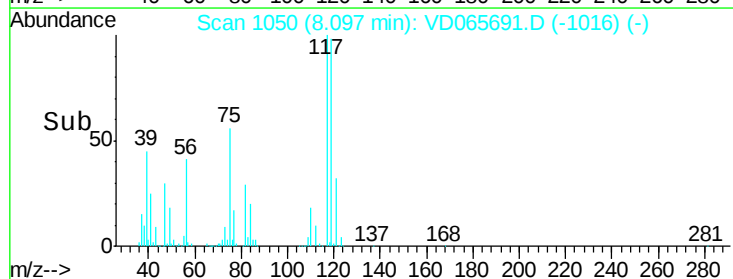
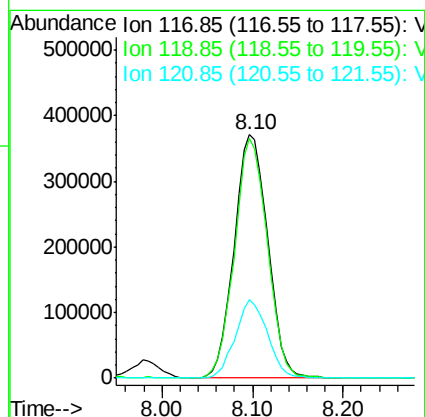
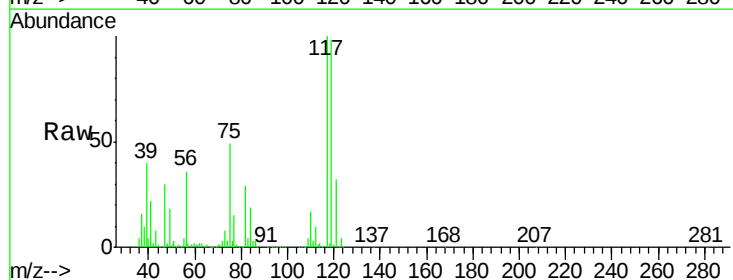
Instrument :
MSVOA_D
ClientSampleID :
VSTDIC100

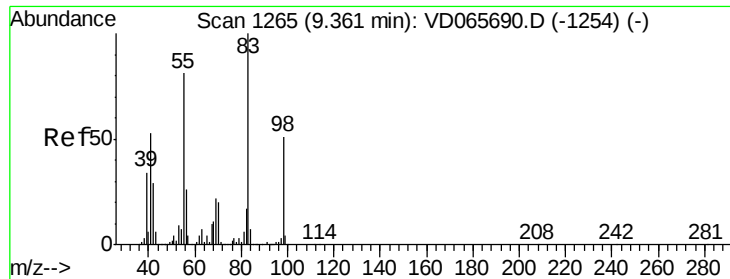
Tot Ion: 43 Resp: 381643
Ion Ratio Lower Upper
43 100
61 13.5 10.6 16.0
70 9.6 7.0 10.4



#38
Carbon Tetrachloride
Concen: 109.913 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

Tgt Ion: 117 Resp: 955356
Ion Ratio Lower Upper
117 100
119 98.3 79.0 118.6
121 32.1 24.9 37.3

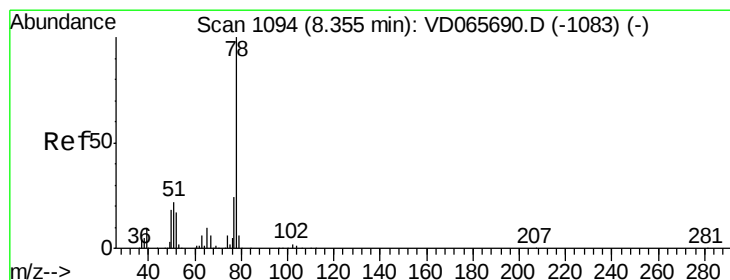
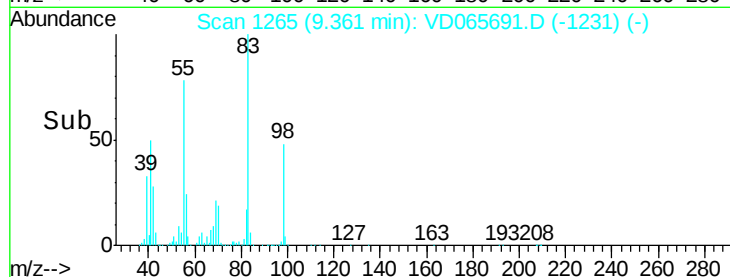
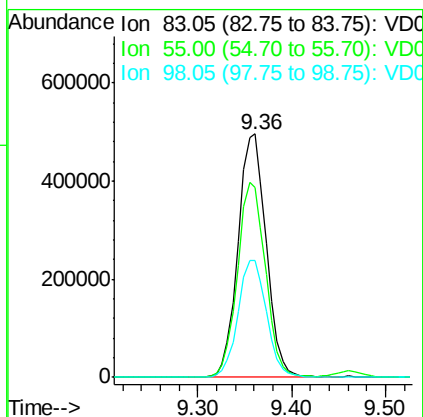
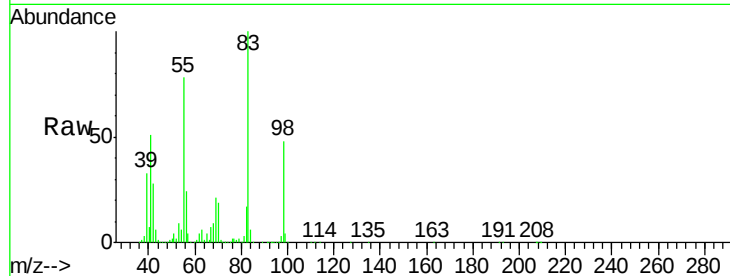




#39
Methvlcvclohexane
Concen: 142.357 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

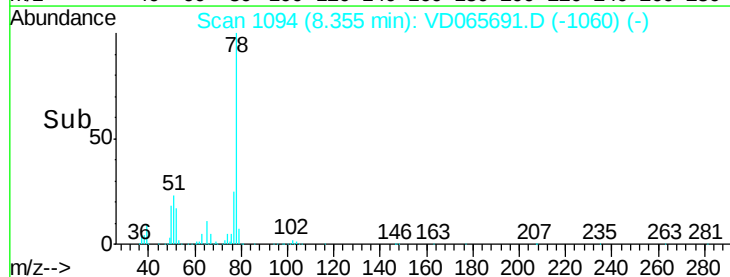
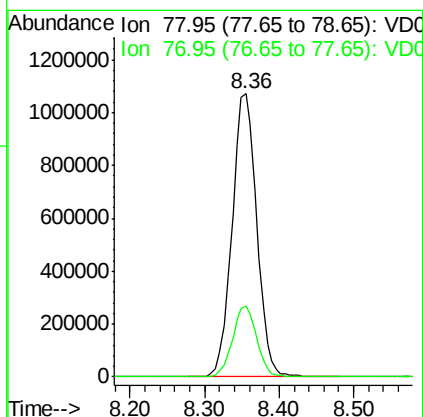
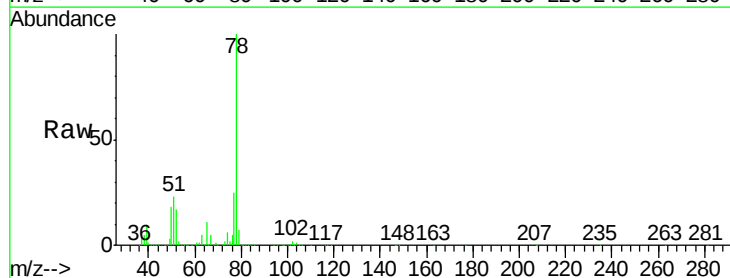
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

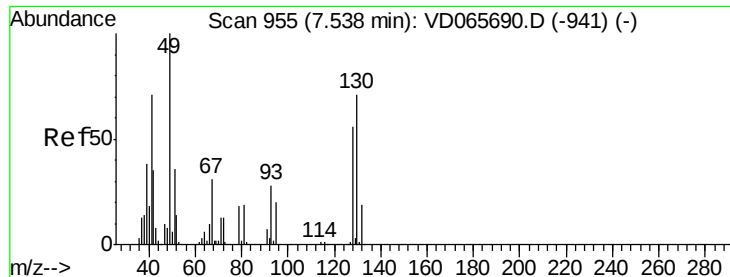
Tot Ion: 83 Resp: 1030585
Ion Ratio Lower Upper
83 100
55 78.0 65.0 97.4
98 48.2 41.2 61.8



#40
Benzene
Concen: 135.537 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

Tgt Ion: 78 Resp: 2461771
Ion Ratio Lower Upper
78 100
77 24.9 19.2 28.8





#41

Methacrylonitrile

Concen: 64.745 ug/l m

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 206830

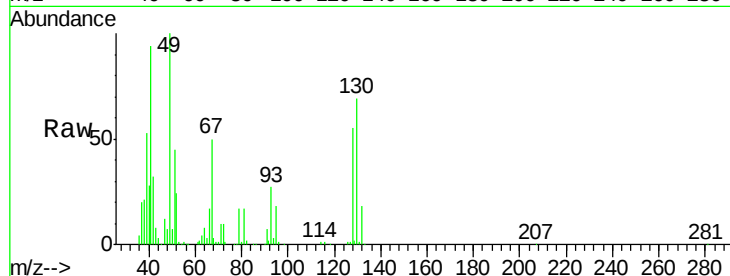
Ion Ratio Lower Upper

41 100

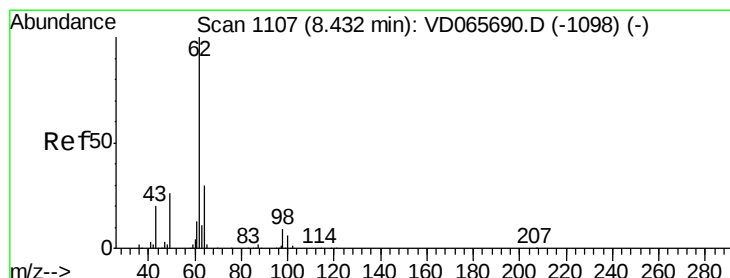
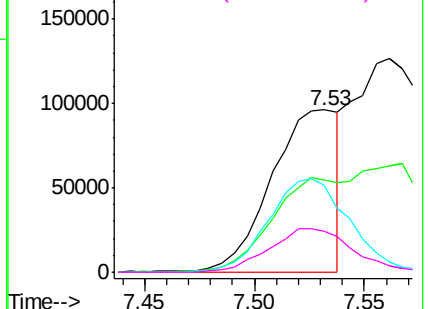
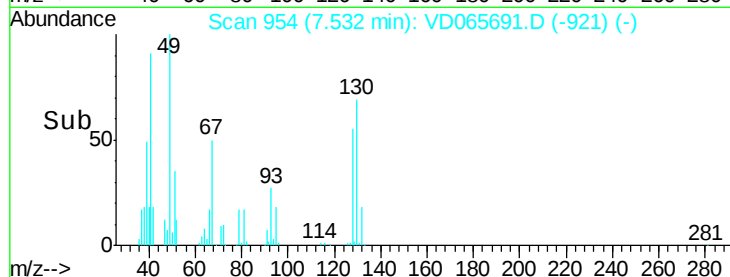
39 56.9 42.8 64.2

67 53.6 34.8 52.2#

52 25.2 15.5 23.3#



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 126.614 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065691.D

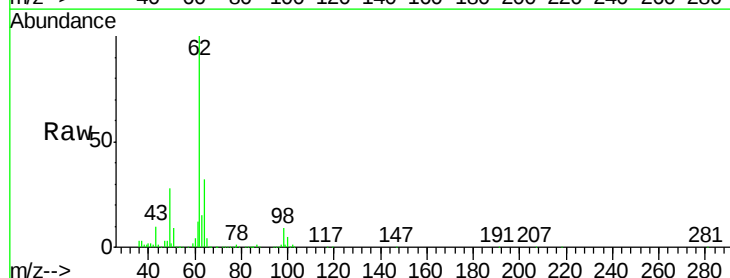
Acq: 01 May 2020 19:41

Tgt Ion: 62 Resp: 774308

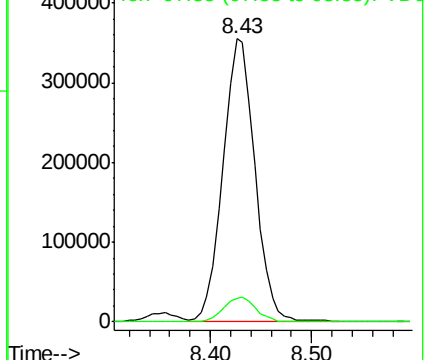
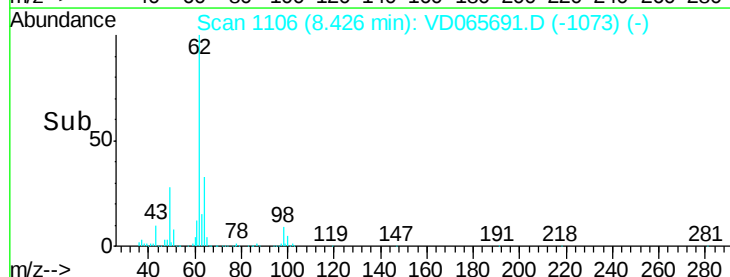
Ion Ratio Lower Upper

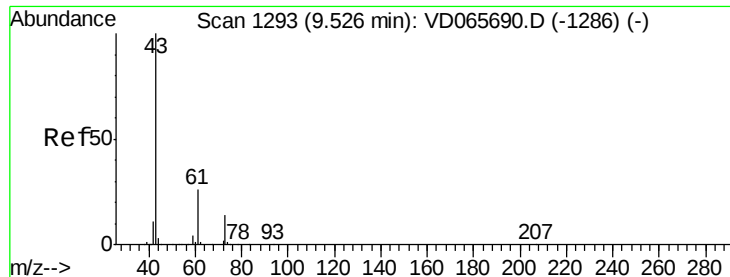
62 100

98 8.5 0.0 17.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 117.549 ug/l

RT: 9.53 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

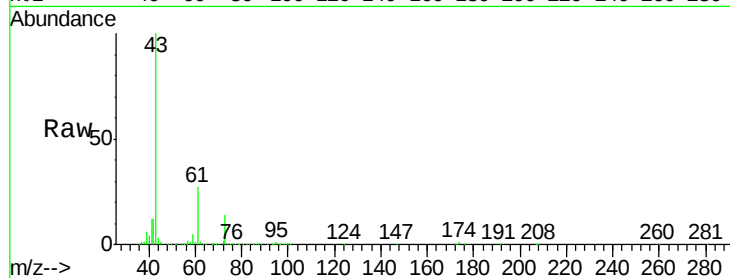
Tot Ion: 43 Resp: 518885

Ion Ratio Lower Upper

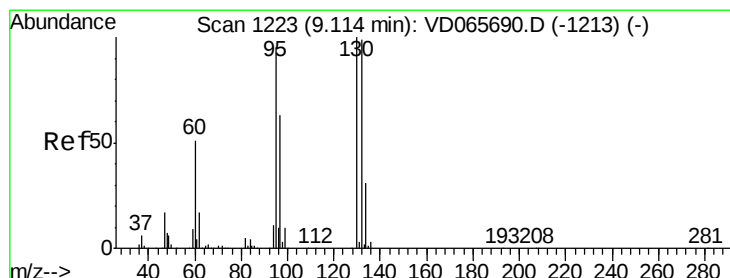
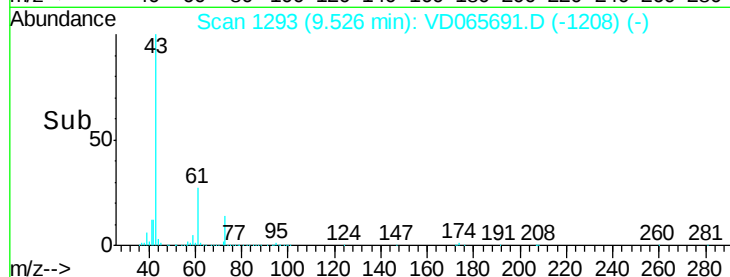
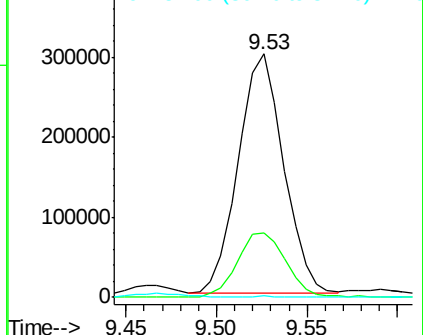
43 100

61 26.7 20.5 30.7

87 0.4 0.3 0.5



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 100.566 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065691.D

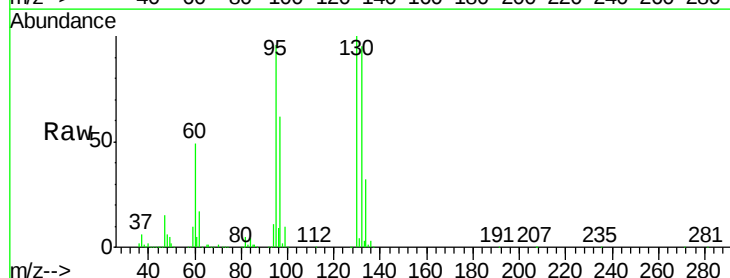
Acq: 01 May 2020 19:41

Tgt Ion: 130 Resp: 659033

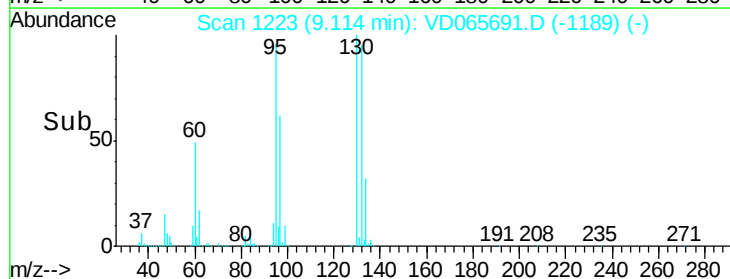
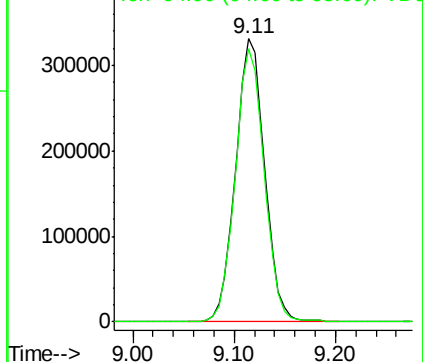
Ion Ratio Lower Upper

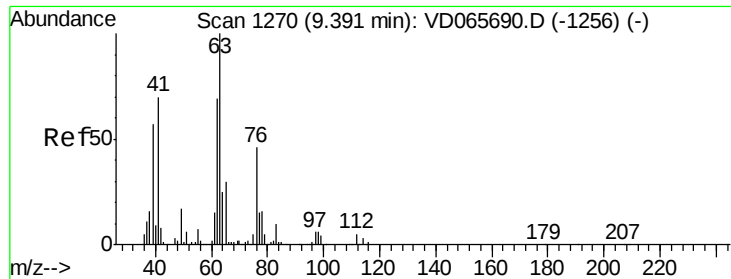
130 100

95 96.4 0.0 190.2



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





#45

1,2-Dichloropropane

Concen: 134.764 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

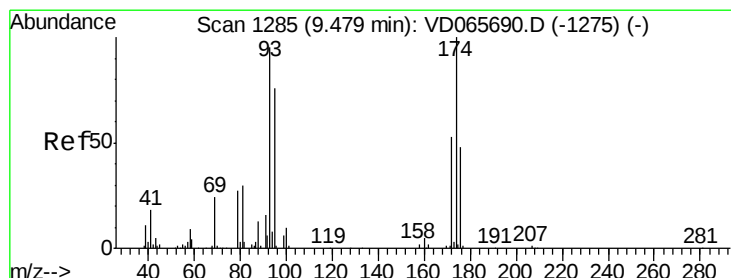
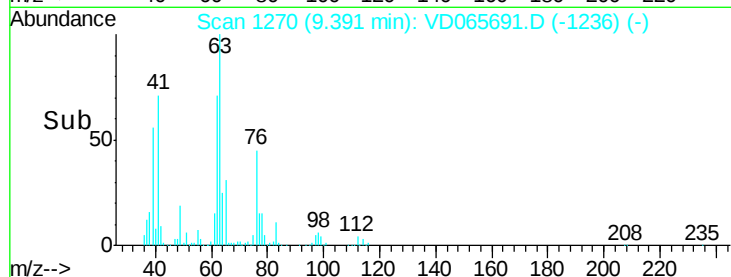
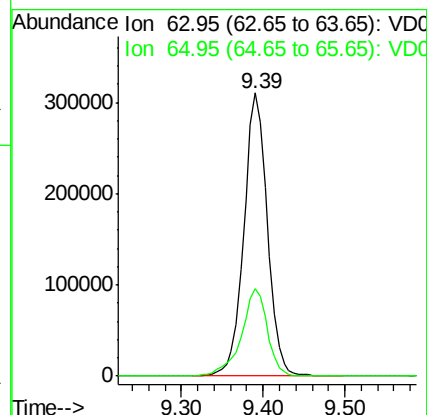
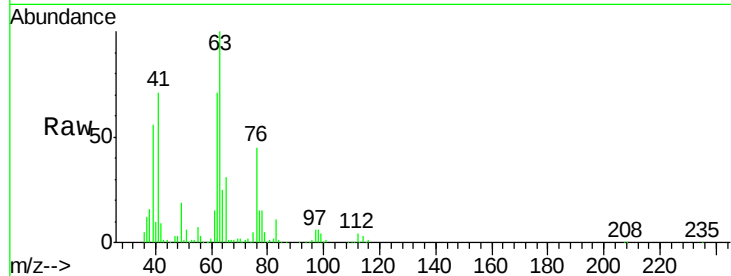
VSTDIC100

Tot Ion: 63 Resp: 622557

Ion Ratio Lower Upper

63 100

65 30.7 23.8 35.8



#46

Dibromomethane

Concen: 106.208 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

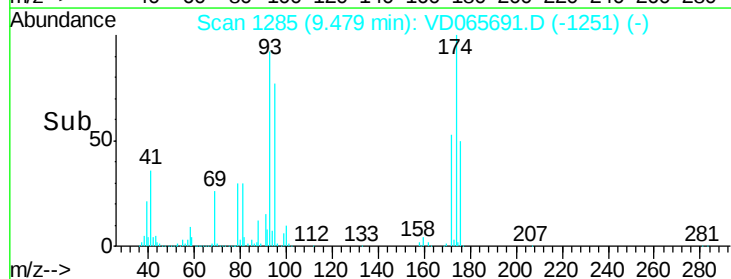
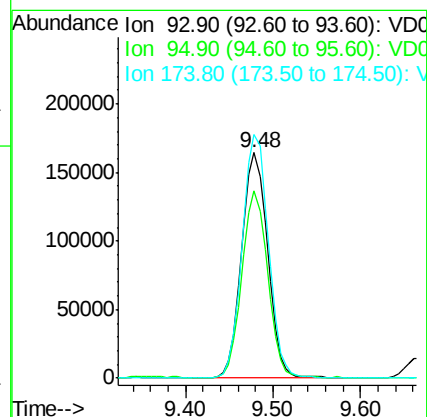
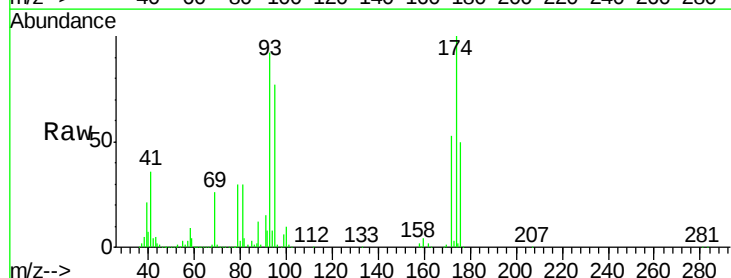
Tgt Ion: 93 Resp: 332231

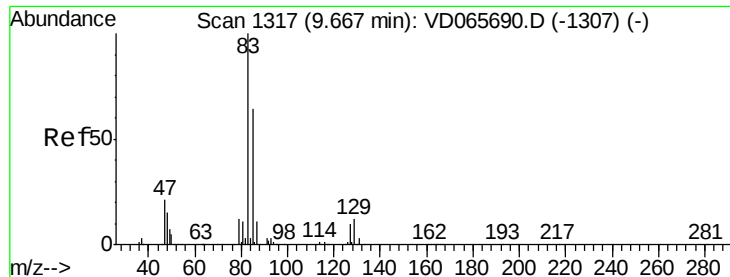
Ion Ratio Lower Upper

93 100

95 83.0 63.9 95.9

174 108.1 84.3 126.5





#47

Bromodichloromethane

Concen: 117.205 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

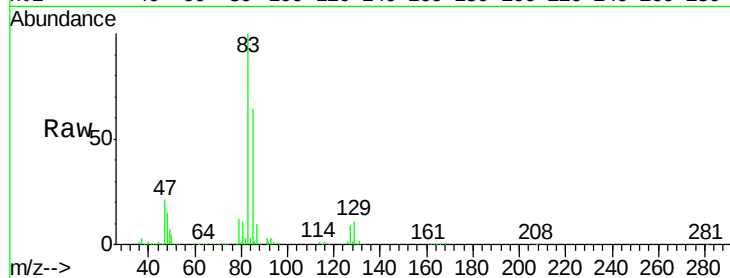
Tot Ion: 83 Resp: 890604

Ion Ratio Lower Upper

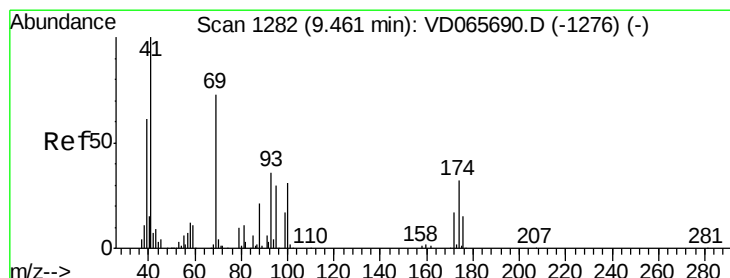
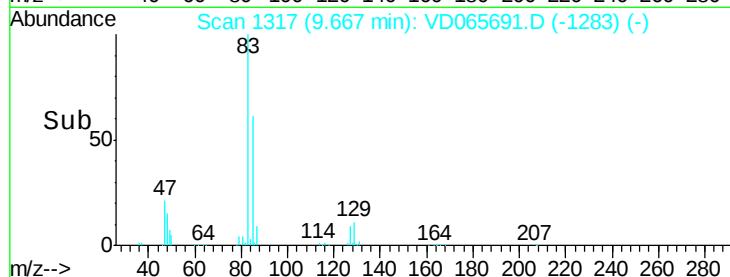
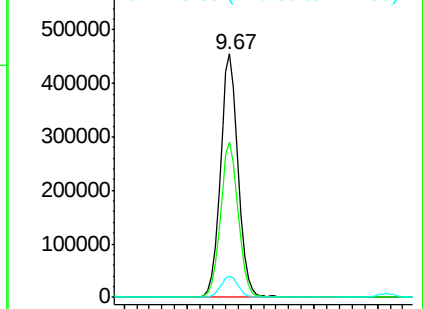
83 100

85 63.7 51.6 77.4

127 8.8 7.8 11.6



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 134.740 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

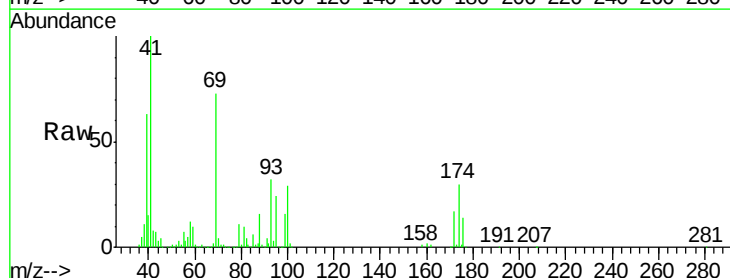
Tgt Ion: 41 Resp: 359463

Ion Ratio Lower Upper

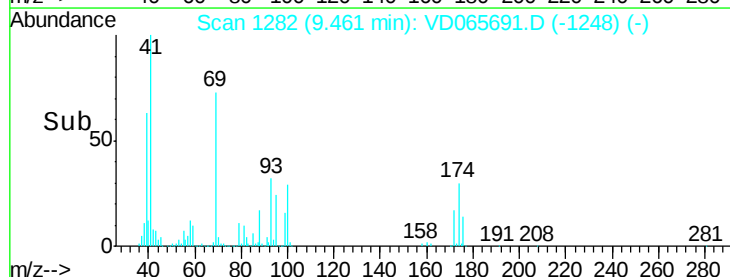
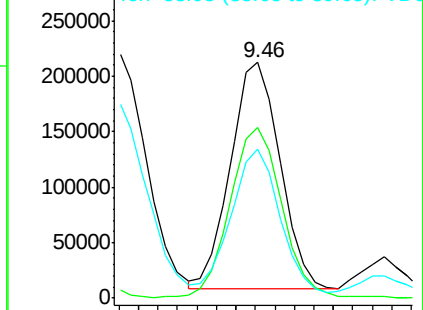
41 100

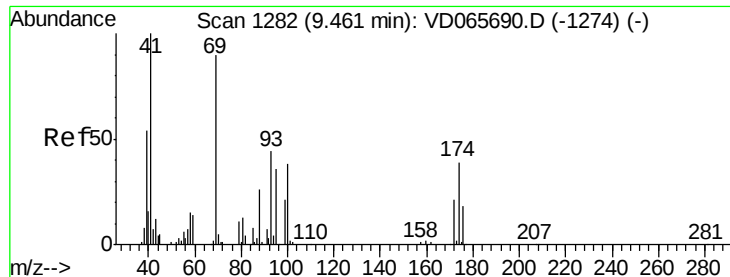
69 72.6 54.9 82.3

39 63.1 49.7 74.5



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 2816.779 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

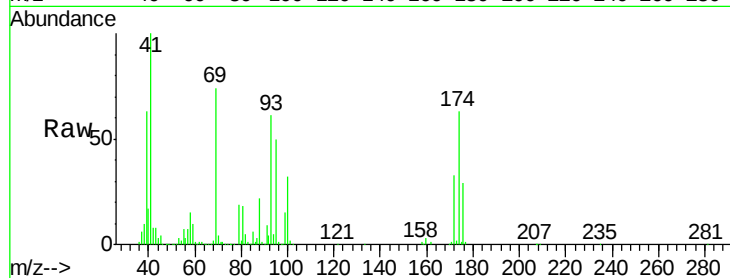
Tot Ion: 88 Resp: 79161

Ion Ratio Lower Upper

88 100

43 36.5 36.7 55.1#

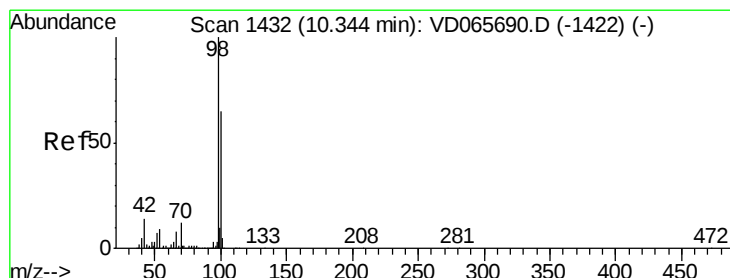
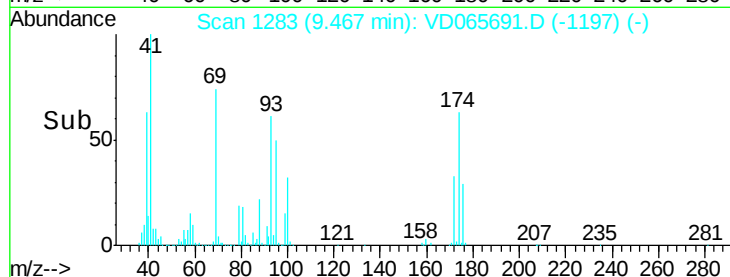
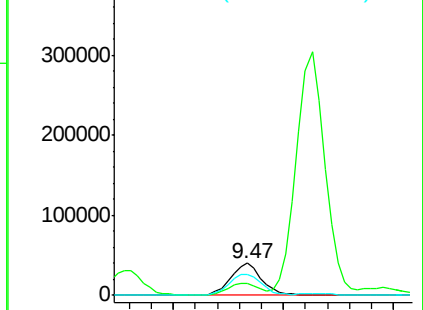
58 66.6 47.0 70.4



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 147.588 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065691.D

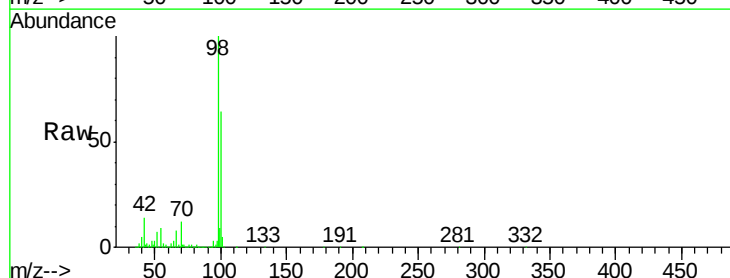
Acq: 01 May 2020 19:41

Tgt Ion: 98 Resp: 2357974

Ion Ratio Lower Upper

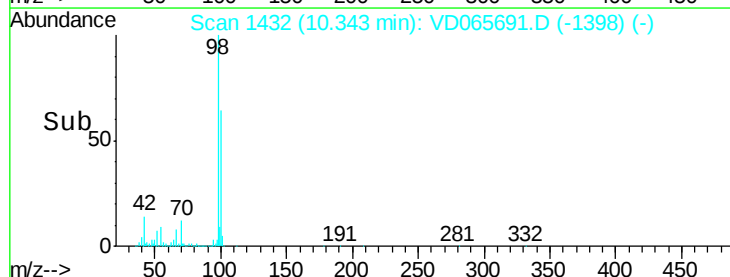
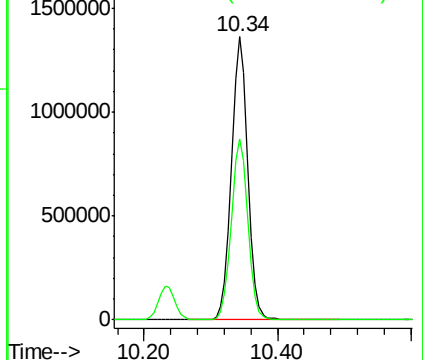
98 100

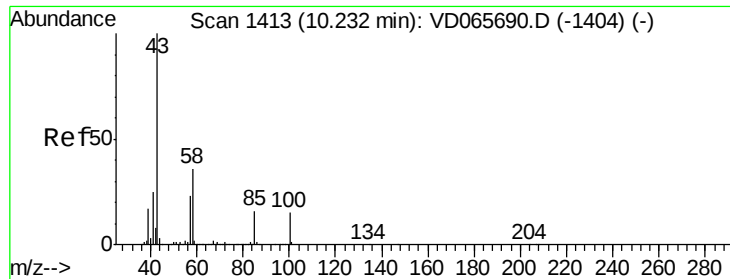
100 63.7 51.9 77.9



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 690.908 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

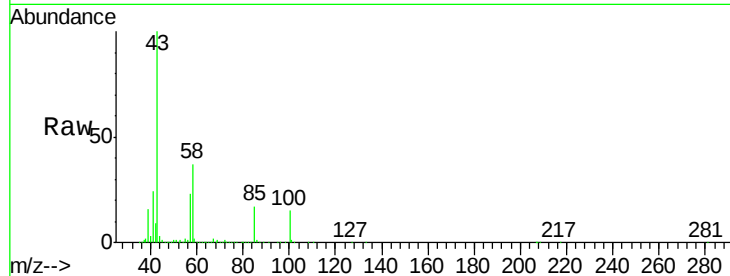
VSTDIC100

Tot Ion: 43 Resp: 1939268

Ion Ratio Lower Upper

43 100

58 37.4 28.8 43.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.23

1200000

1000000

800000

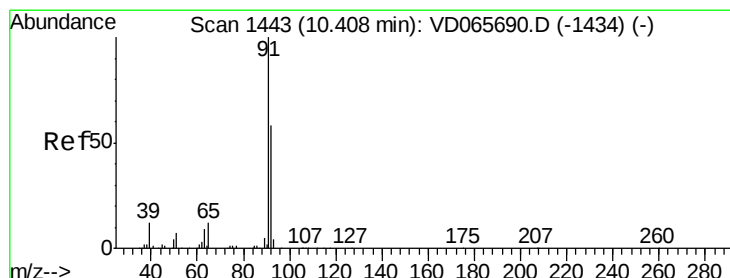
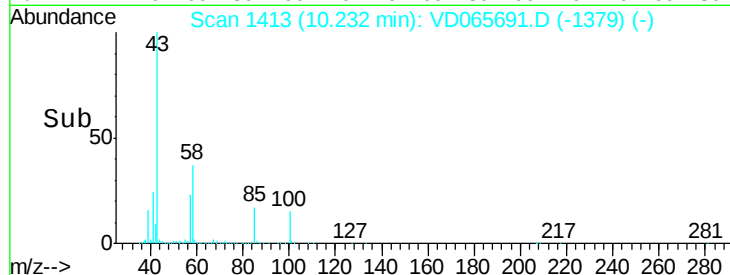
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 138.520 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065691.D

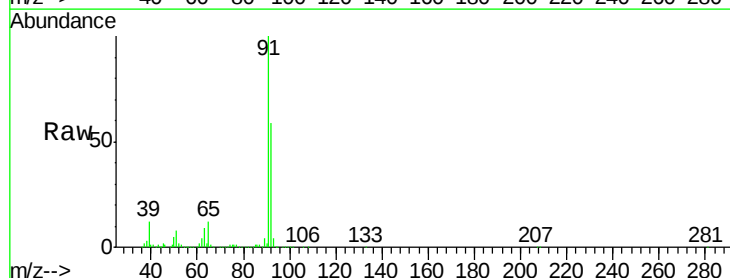
Acq: 01 May 2020 19:41

Tgt Ion: 92 Resp: 1625582

Ion Ratio Lower Upper

92 100

91 170.2 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.41

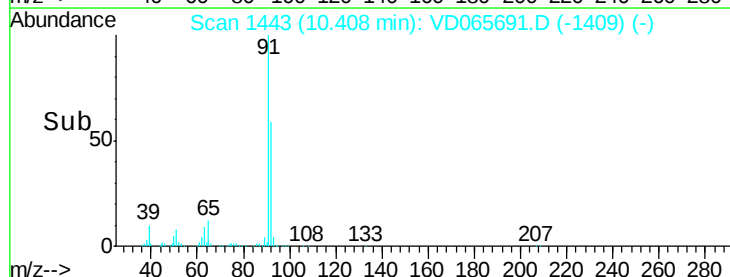
1500000

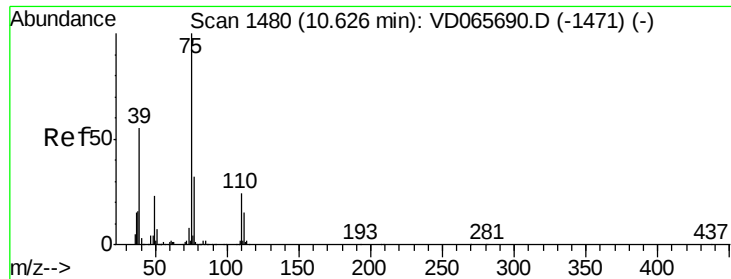
1000000

500000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 131.285 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

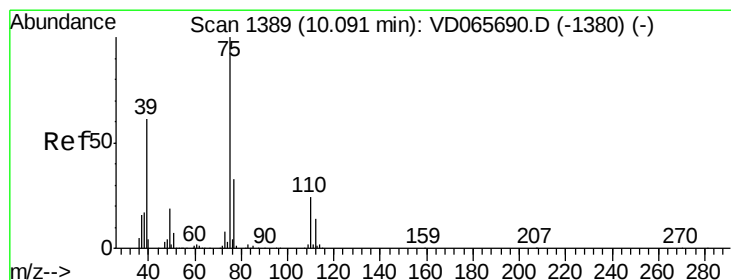
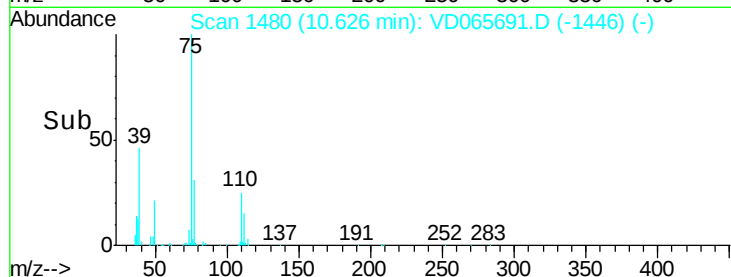
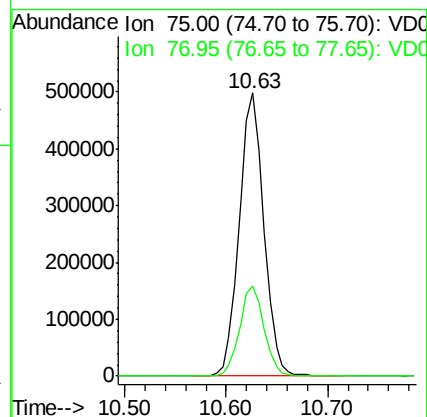
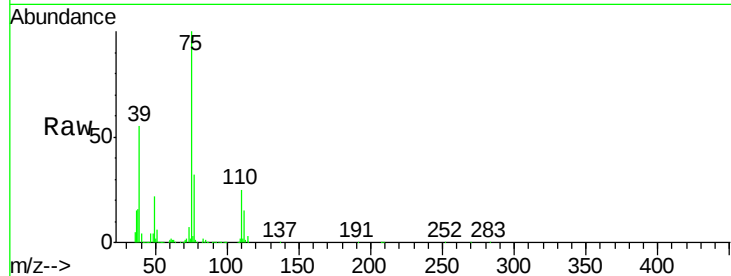
VSTDIC100

Tot Ion: 75 Resp: 841746

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 124.679 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

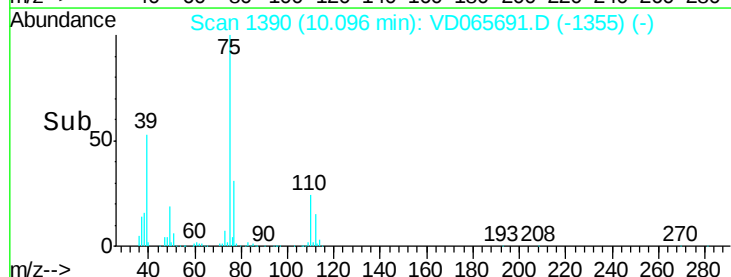
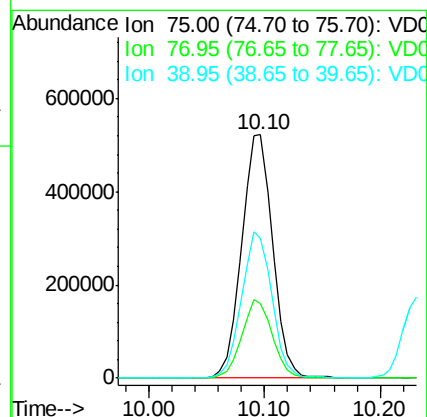
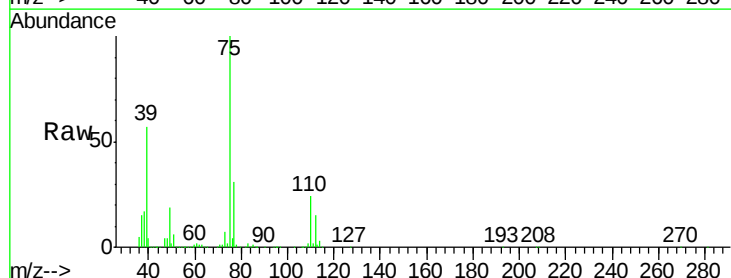
Tgt Ion: 75 Resp: 972875

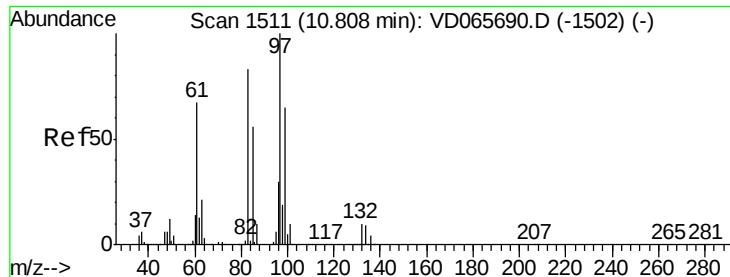
Ion Ratio Lower Upper

75 100

77 30.9 26.6 40.0

39 57.4 48.8 73.2

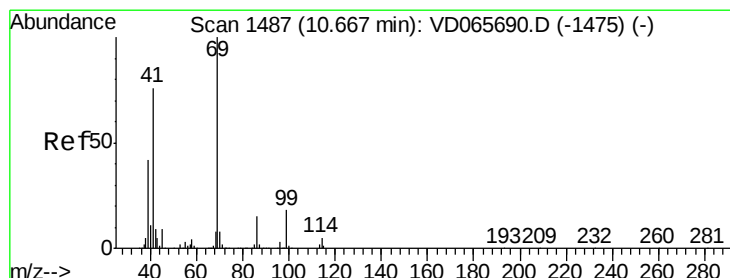
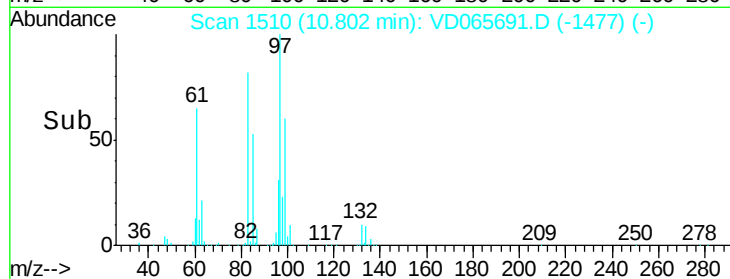
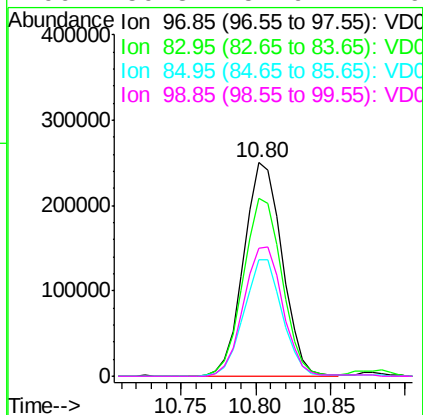
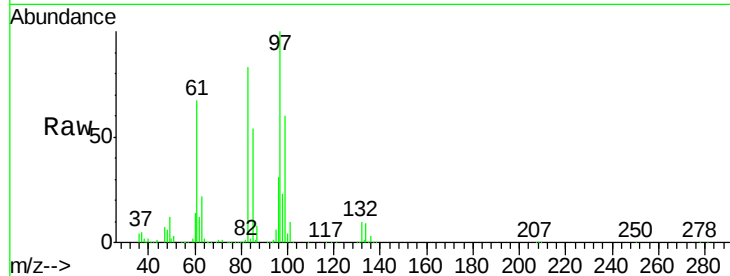




#55
 1,1,2-Trichloroethane
 Concen: 117.849 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065691.D
 Acq: 01 May 2020 19:41

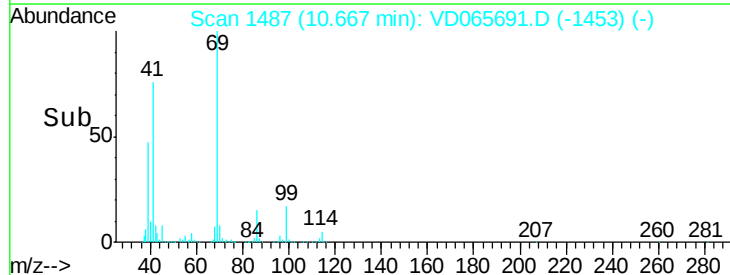
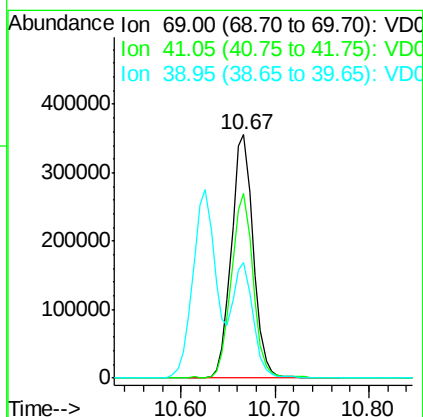
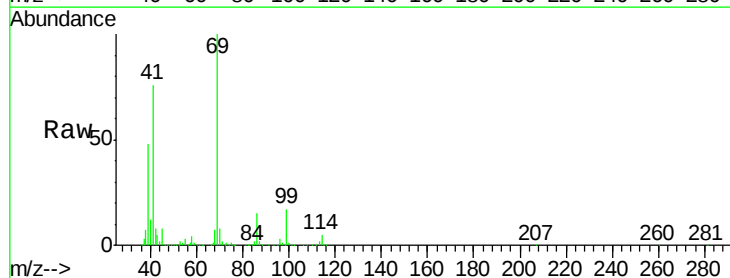
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

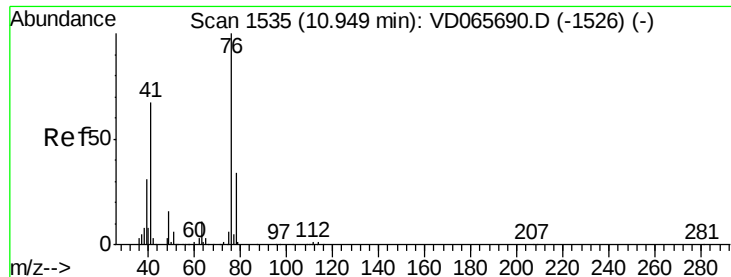
Tot Ion:	97	Resp:	445835
Ion	Ratio	Lower	Upper
97	100		
83	83.5	66.7	100.1
85	54.5	45.0	67.4
99	59.8	51.9	77.9



#56
 Ethyl methacrylate
 Concen: 135.883 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065691.D
 Acq: 01 May 2020 19:41

Tgt Ion:	69	Resp:	576701
Ion	Ratio	Lower	Upper
69	100		
41	76.1	61.4	92.0
39	47.6	36.6	54.8





#57

1,3-Dichloropropane

Concen: 130.861 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

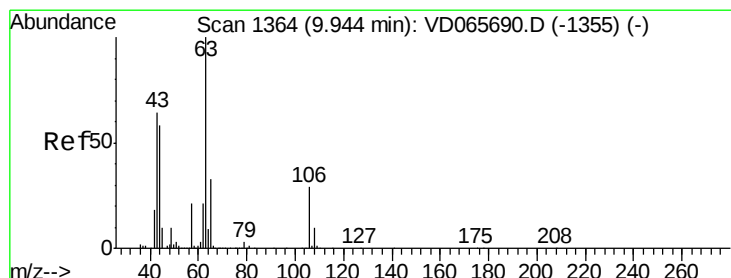
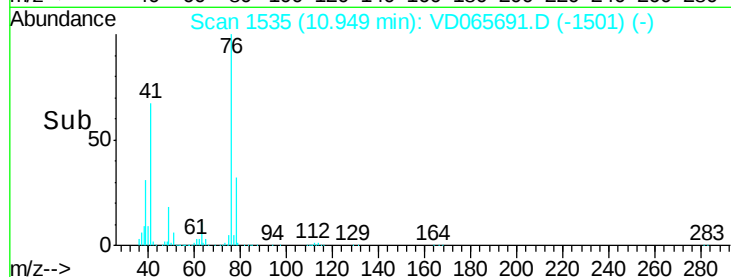
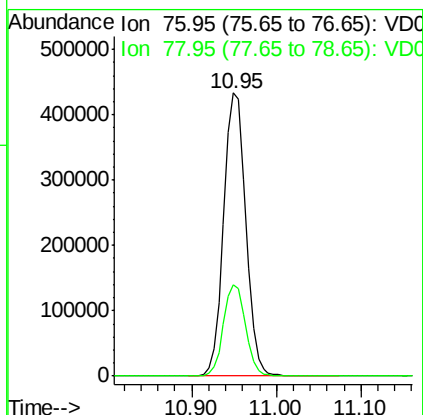
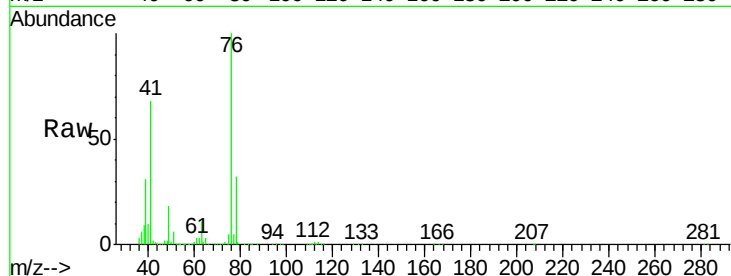
VSTDIC100

Tot Ion: 76 Resp: 785282

Ion Ratio Lower Upper

76 100

78 32.1 26.9 40.3



#58

2-Chloroethyl Vinyl ether

Concen: 667.182 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD065691.D

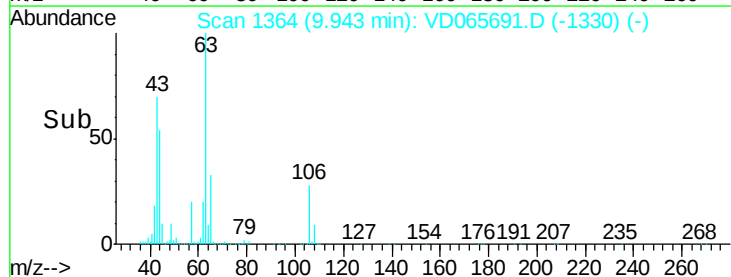
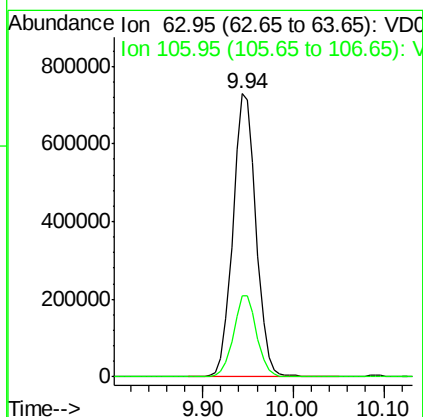
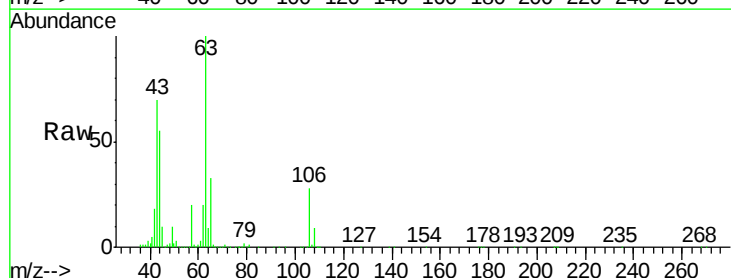
Acq: 01 May 2020 19:41

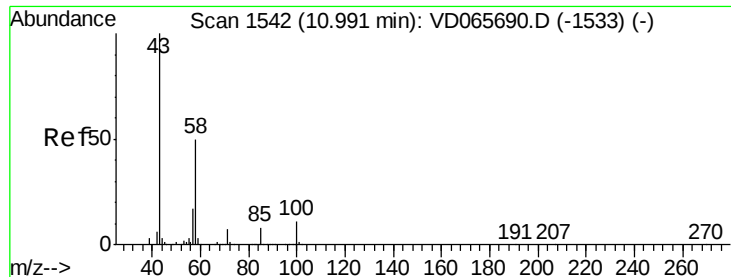
Tgt Ion: 63 Resp: 1300412

Ion Ratio Lower Upper

63 100

106 28.5 23.4 35.2

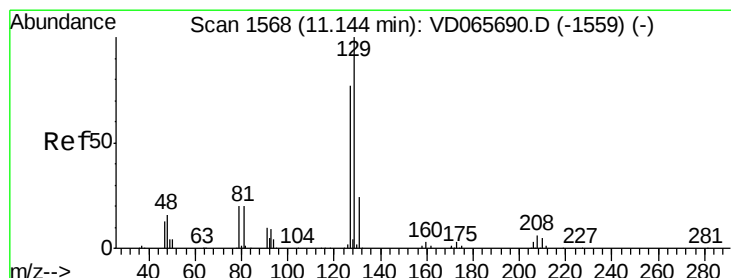
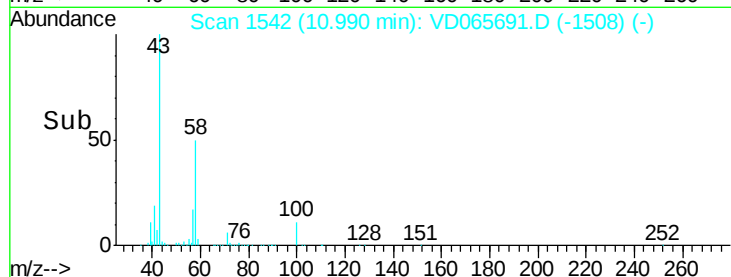
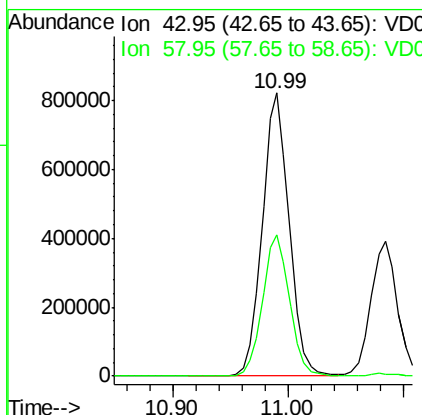
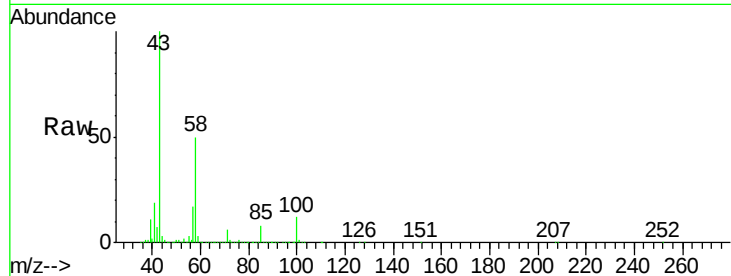




#59
2-Hexanone
Concen: 645.753 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

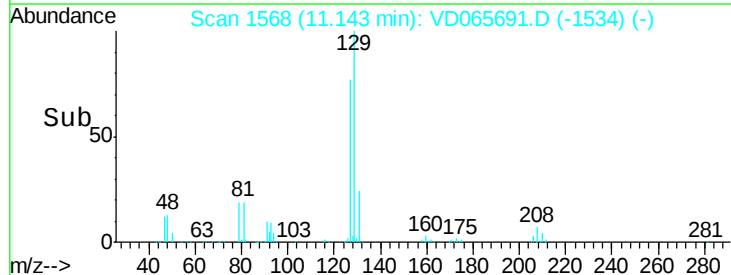
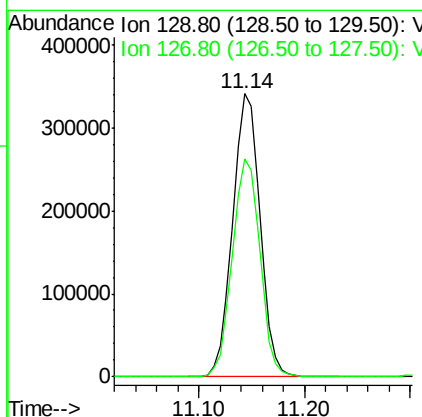
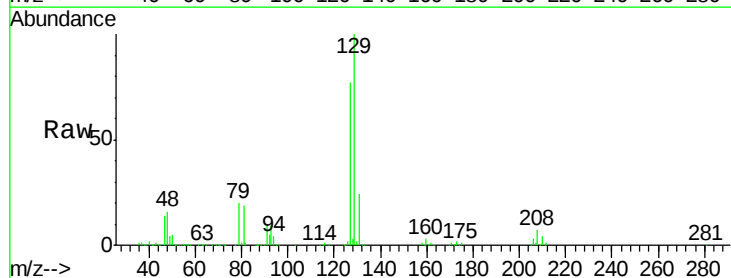
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

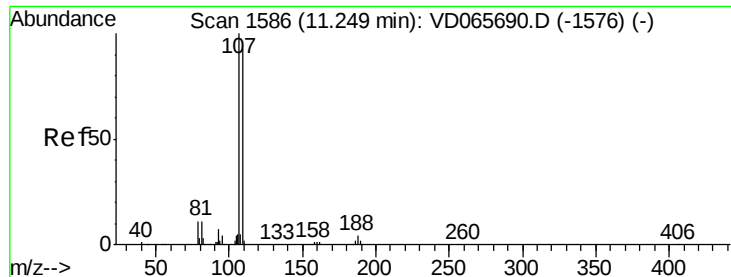
Tot Ion: 43 Resp: 1329870
Ion Ratio Lower Upper
43 100
58 49.9 24.8 74.4



#60
Dibromochloromethane
Concen: 101.534 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

Tgt Ion:129 Resp: 611154
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8

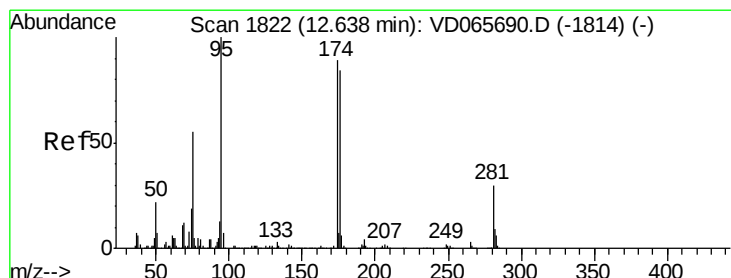
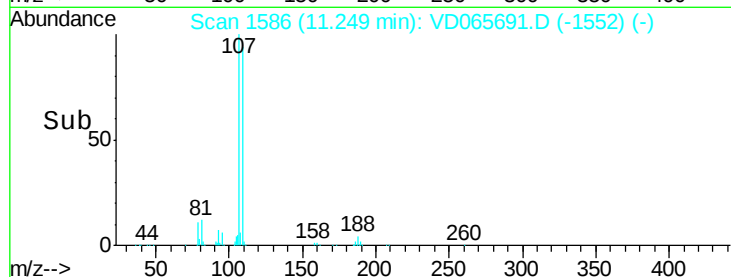
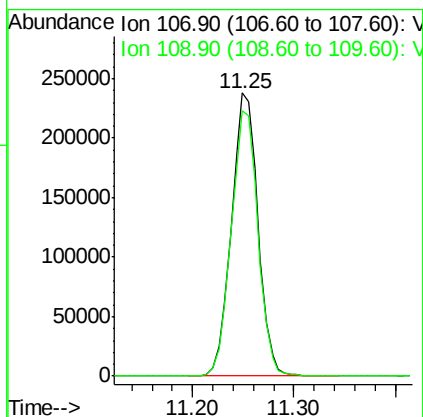
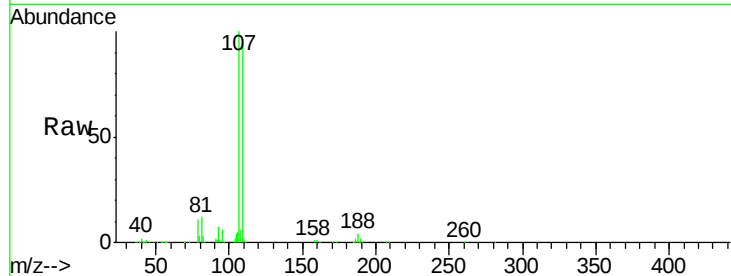




#61
 1,2-Dibromoethane
 Concen: 98.315 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065691.D
 Acq: 01 May 2020 19:41

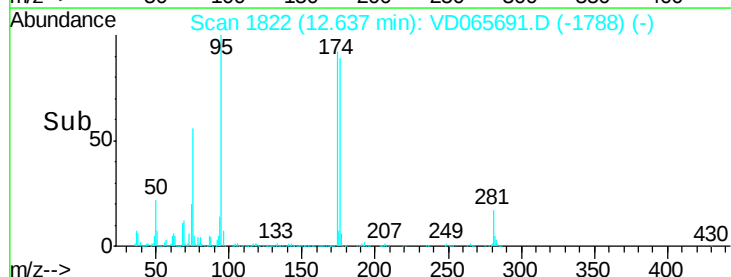
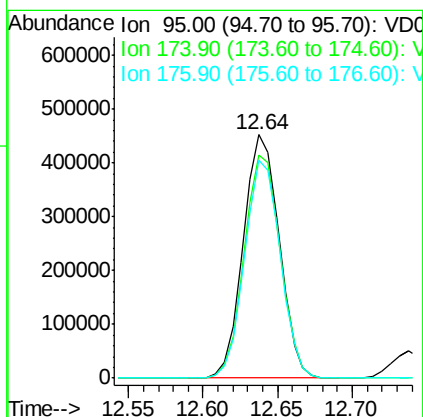
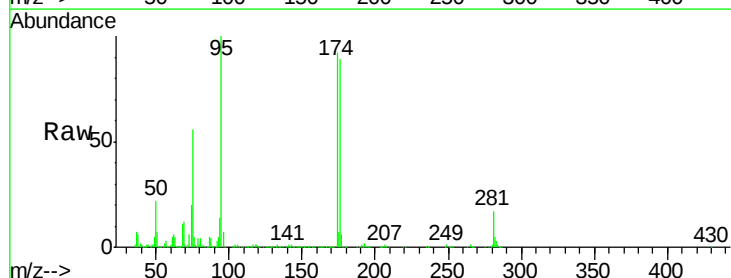
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

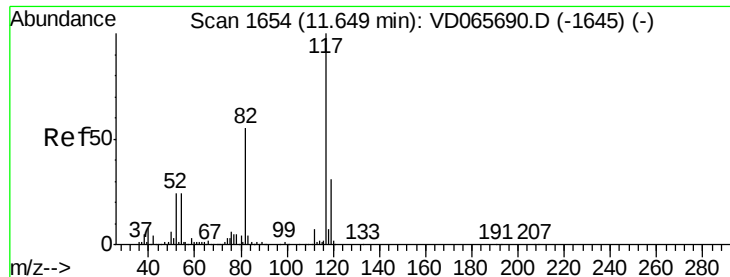
Tot Ion:107 Resp: 429819
 Ion Ratio Lower Upper
 107 100
 109 93.6 74.0 111.0



#62
 4-Bromofluorobenzene
 Concen: 122.971 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065691.D
 Acq: 01 May 2020 19:41

Tgt Ion: 95 Resp: 752965
 Ion Ratio Lower Upper
 95 100
 174 91.8 0.0 177.6
 176 89.4 0.0 168.2

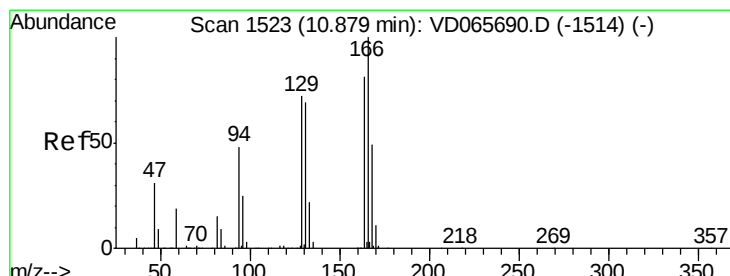
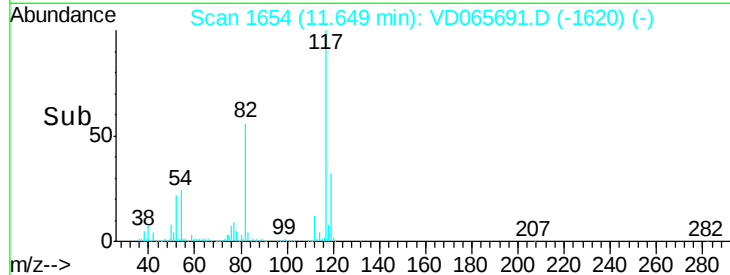
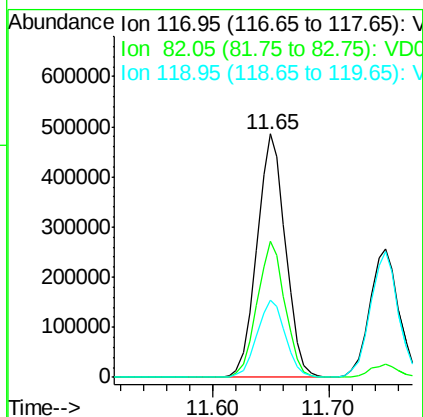
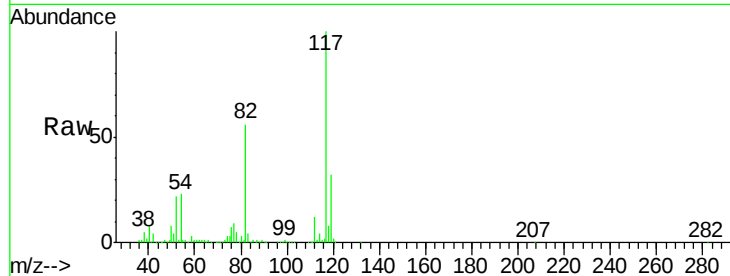




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

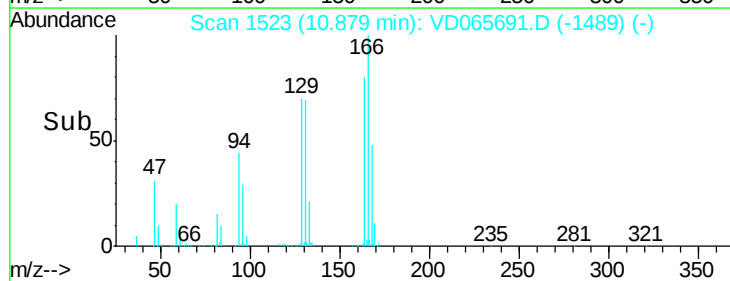
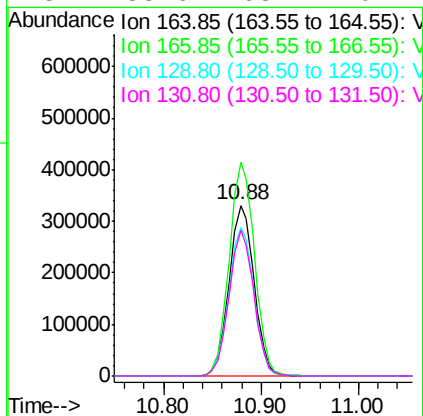
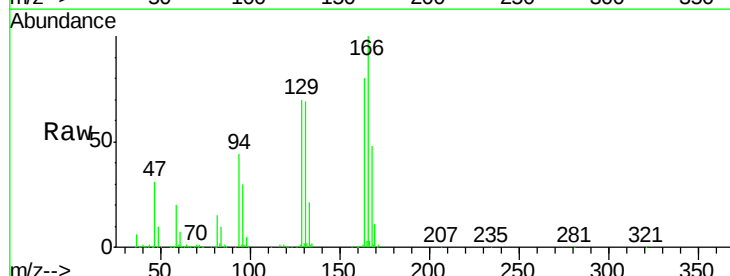
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

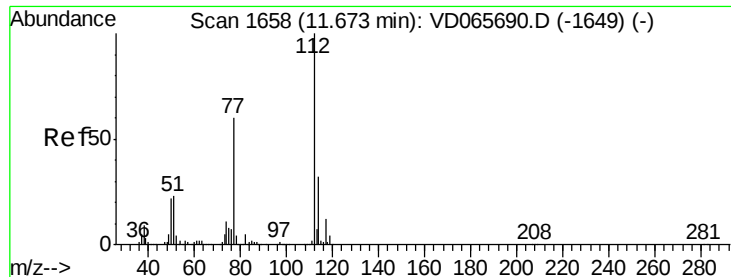
Tot Ion:117 Resp: 834499
Ion Ratio Lower Upper
117 100
82 55.8 43.6 65.4
119 31.7 25.0 37.6



#64
Tetrachloroethene
Concen: 98.291 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

Tgt Ion:164 Resp: 587099
Ion Ratio Lower Upper
164 100
166 125.0 99.0 148.6
129 86.9 71.5 107.3
131 85.6 68.2 102.4

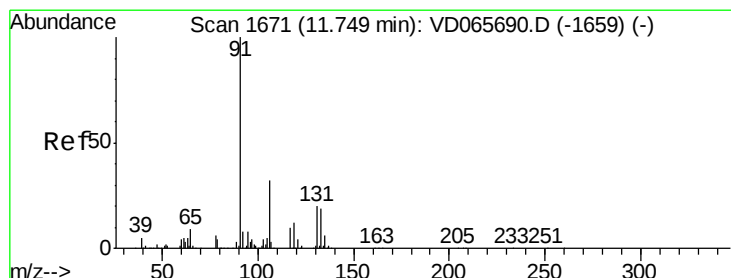
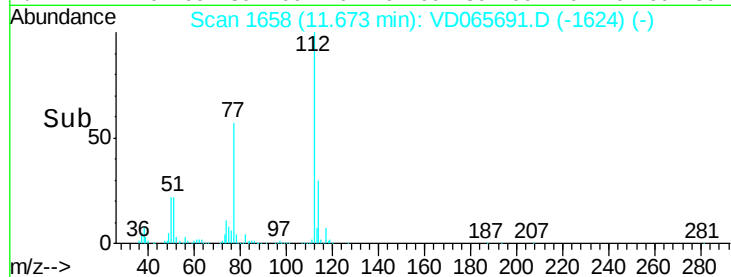
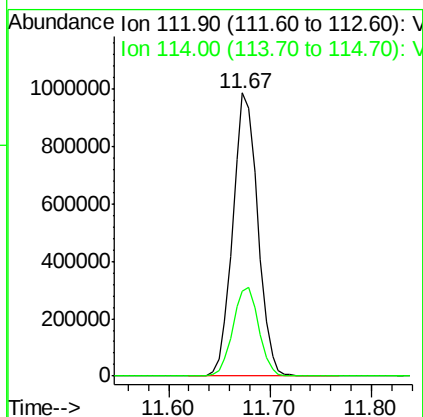
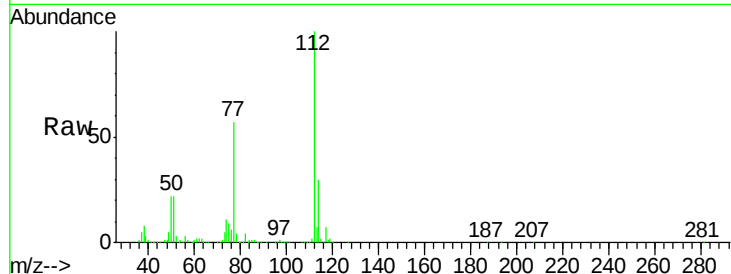




#65
Chlorobenzene
Concen: 105.063 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

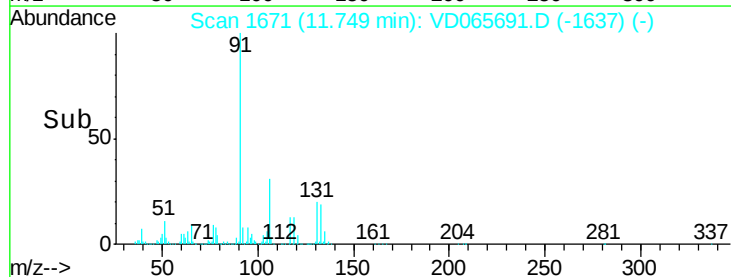
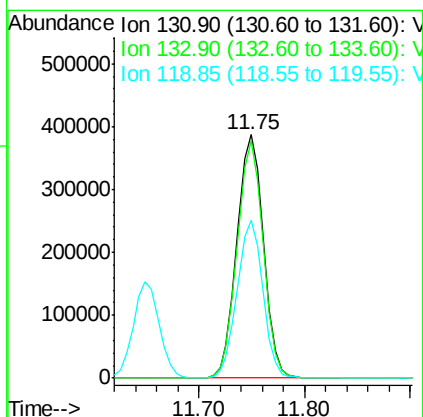
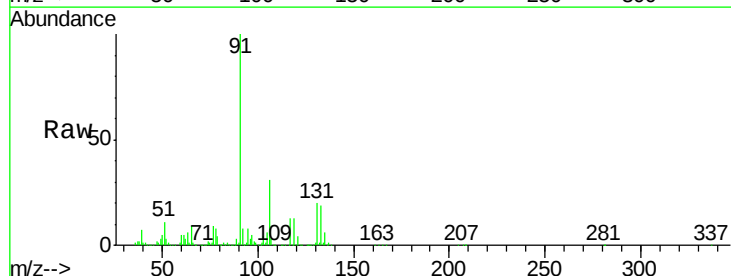
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

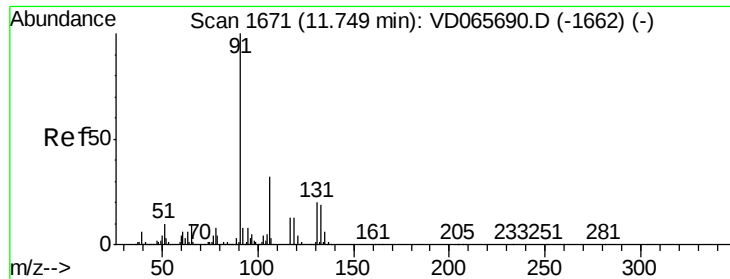
Tot Ion:112 Resp: 1685087
Ion Ratio Lower Upper
112 100
114 30.2 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 100.840 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

Tgt Ion:131 Resp: 673655
Ion Ratio Lower Upper
131 100
133 97.4 47.9 143.8
119 64.8 32.0 96.2

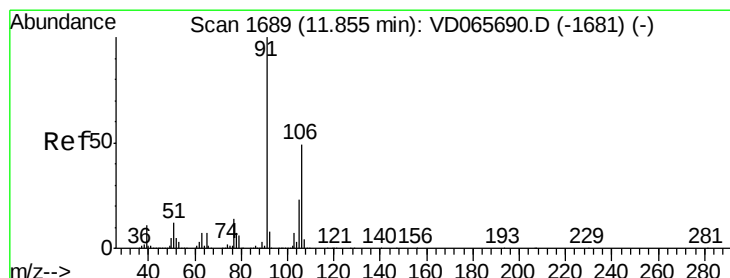
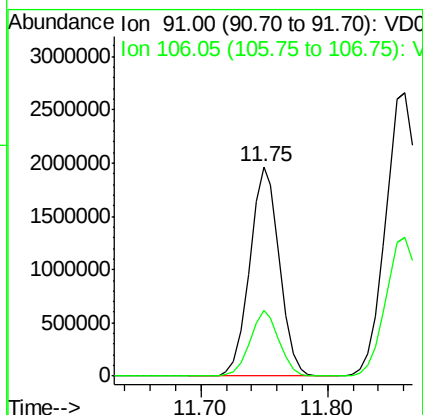
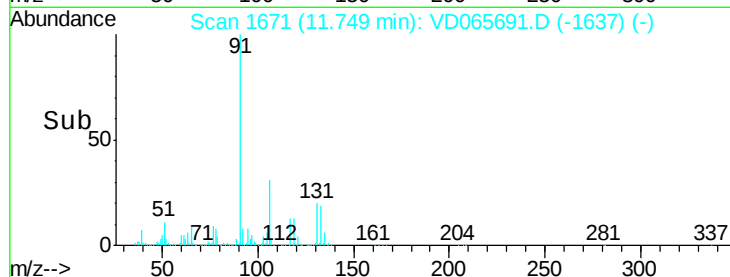
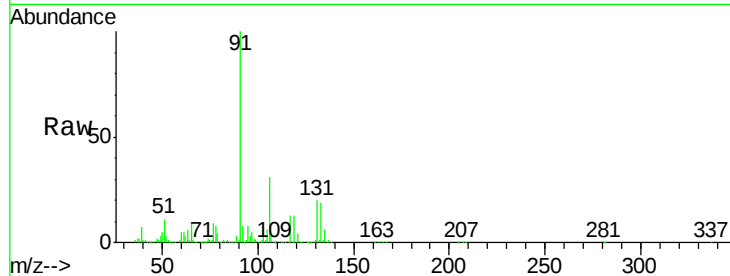




#67
Ethyl Benzene
Concen: 119.252 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

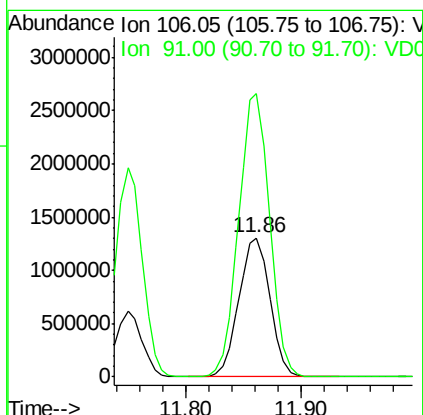
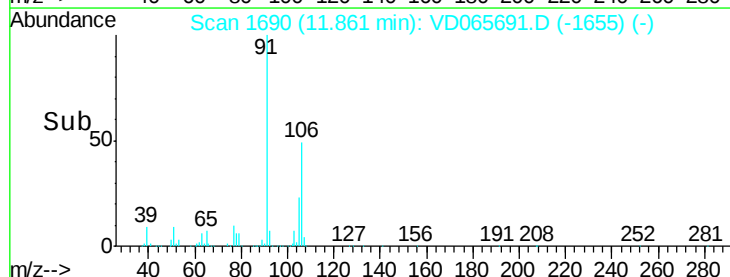
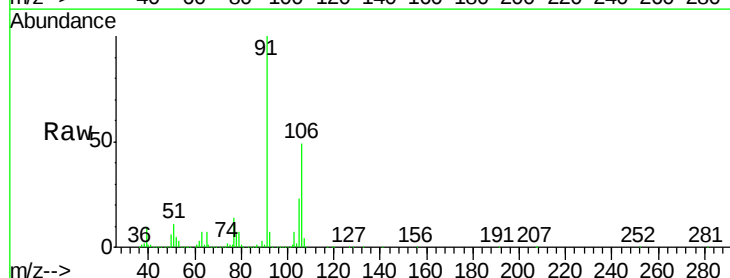
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

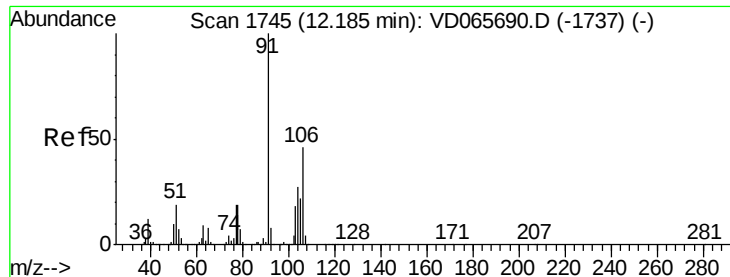
Tot Ion: 91 Resp: 3182768
Ion Ratio Lower Upper
91 100
106 31.4 25.2 37.8



#68
m/p-Xylenes
Concen: 248.395 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

Tgt Ion: 106 Resp: 2438274
Ion Ratio Lower Upper
106 100
91 203.5 162.2 243.2

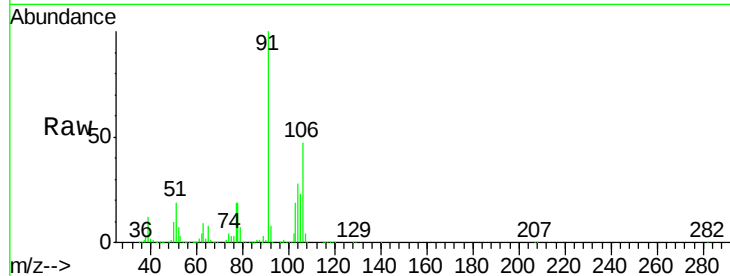




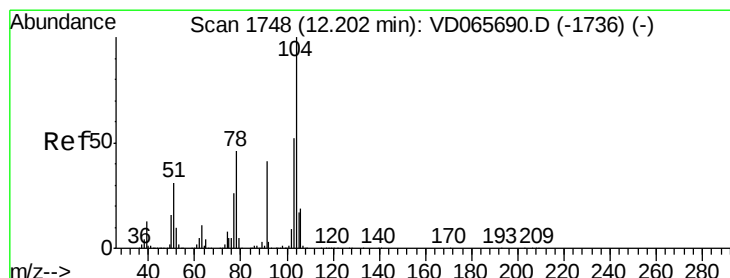
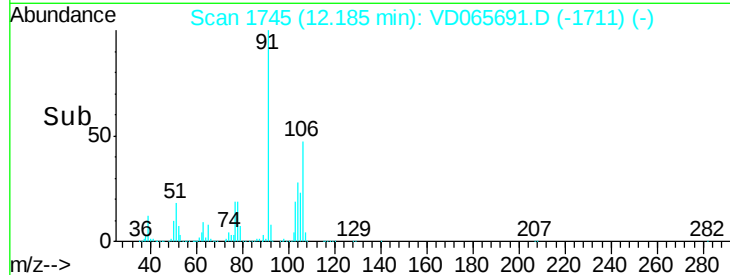
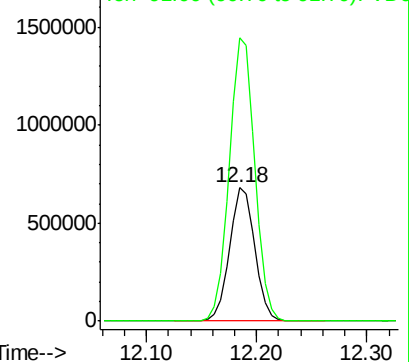
#69
o-Xylene
Concen: 123.273 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 1093701
Ion Ratio Lower Upper
106 100
91 212.3 109.7 329.0

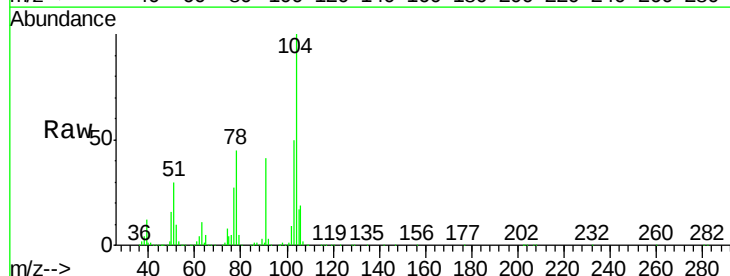


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

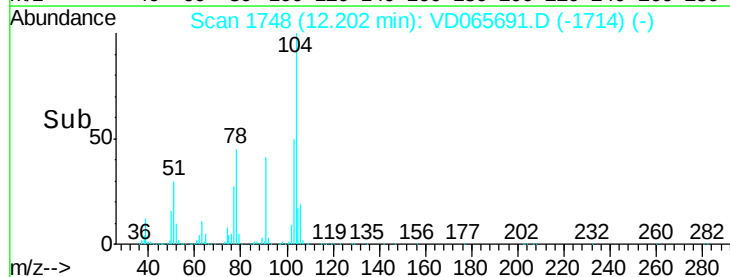
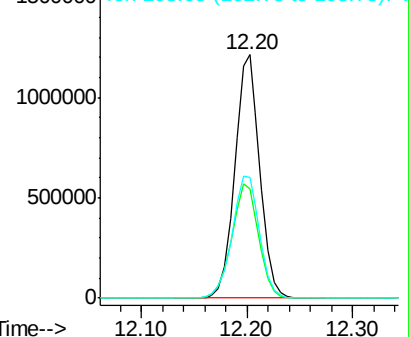


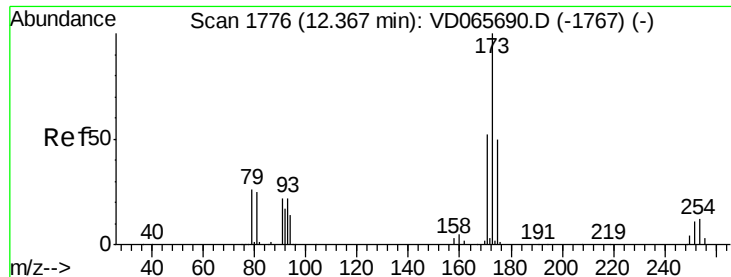
#70
Styrene
Concen: 128.209 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

Tgt Ion:104 Resp: 1980799
Ion Ratio Lower Upper
104 100
78 44.7 36.4 54.6
103 49.5 41.7 62.5



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 97.291 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

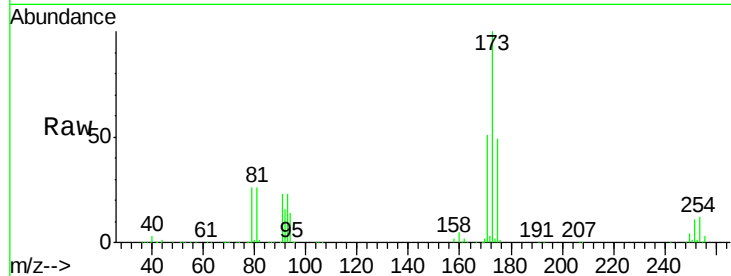
Tot Ion:173 Resp: 371061

Ion Ratio Lower Upper

173 100

175 49.3 24.9 74.8

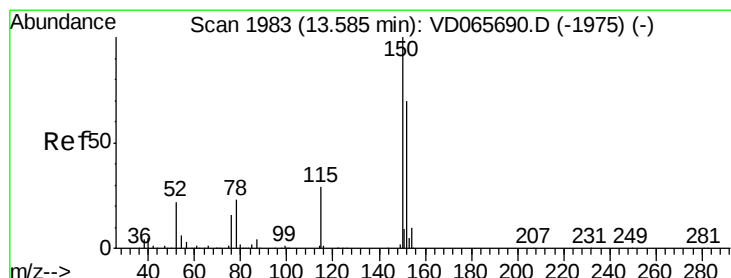
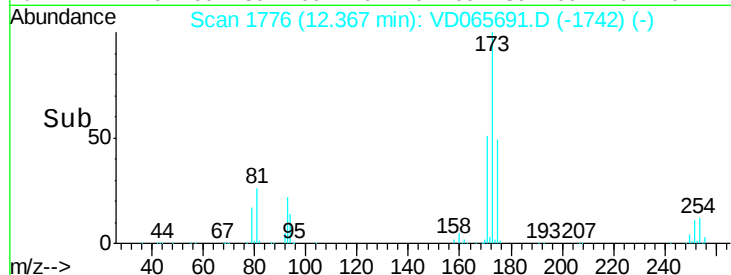
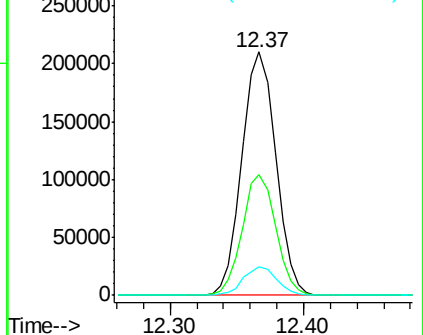
254 11.5 9.4 14.0



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): 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: VD065691.D

Acq: 01 May 2020 19:41

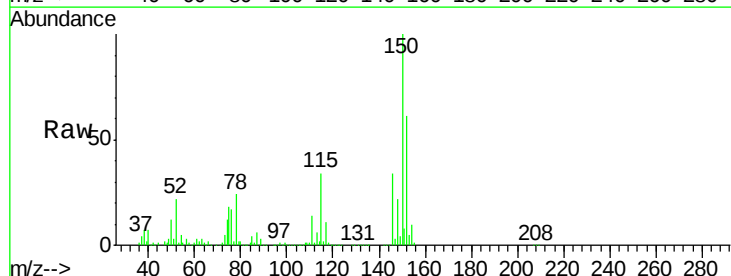
Tgt Ion:152 Resp: 438133

Ion Ratio Lower Upper

152 100

115 55.6 26.8 80.3

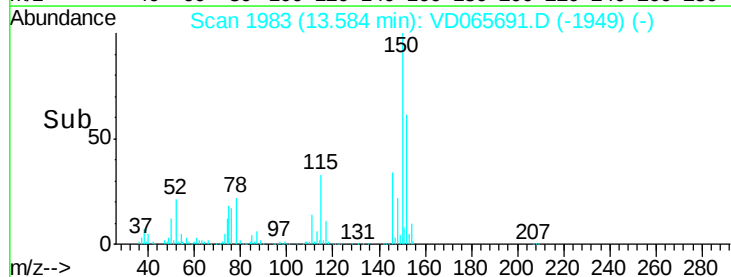
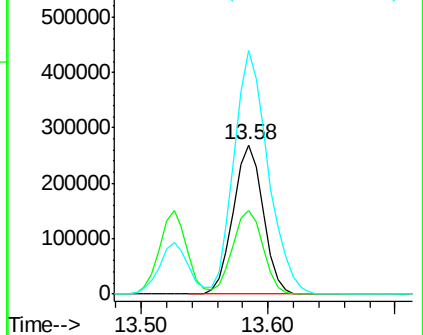
150 162.9 0.0 301.2

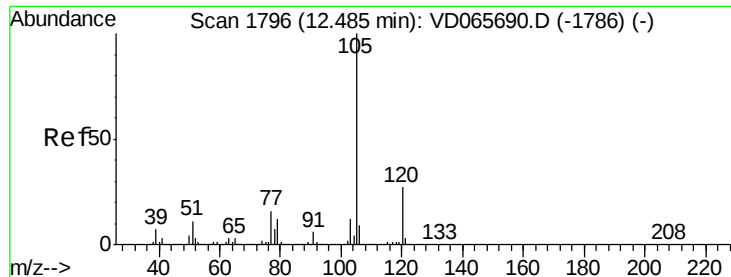


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 103.058 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

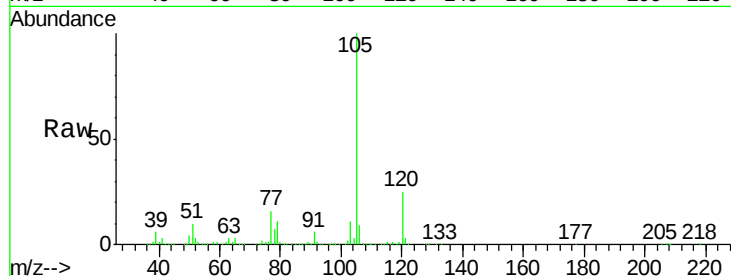
VSTDIC100

Tot Ion:105 Resp: 3008121

Ion Ratio Lower Upper

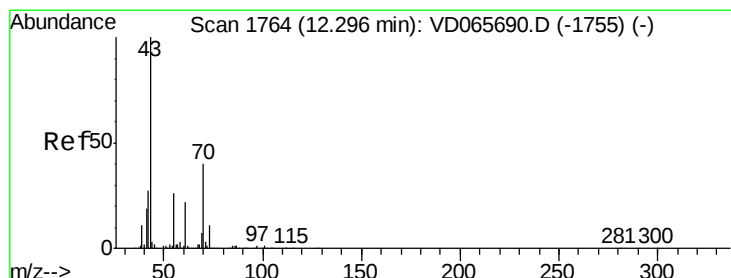
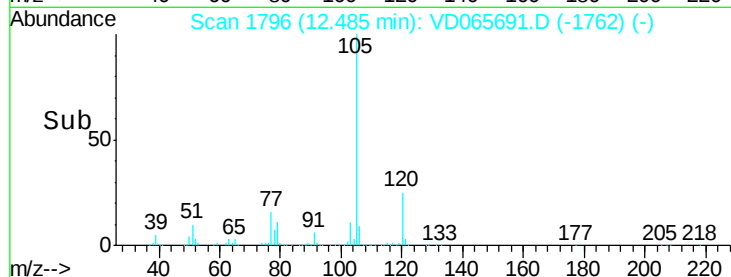
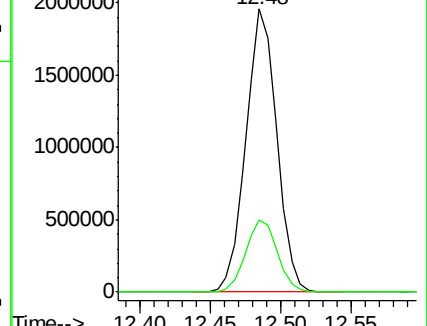
105 100

120 25.3 13.4 40.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 93.077 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Tgt Ion: 43 Resp: 685968

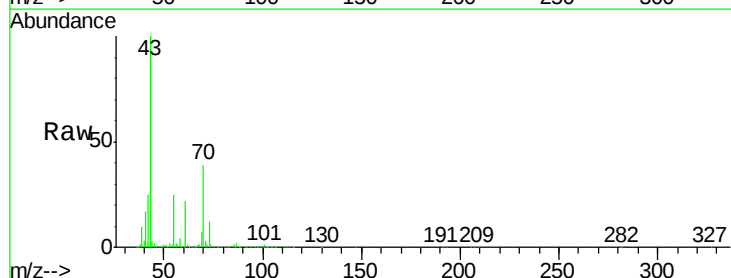
Ion Ratio Lower Upper

43 100

70 38.9 32.0 48.0

55 25.1 20.4 30.6

61 22.4 17.6 26.4

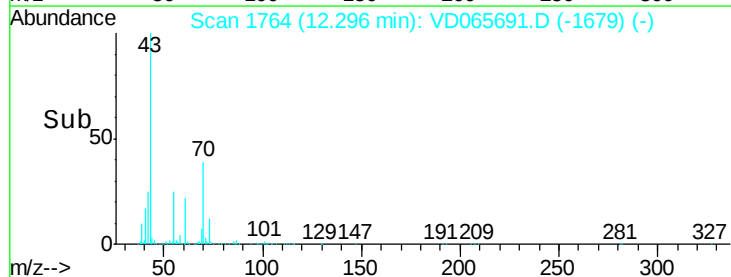
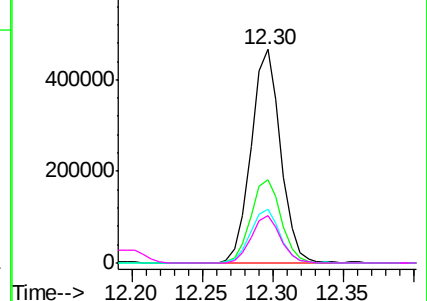


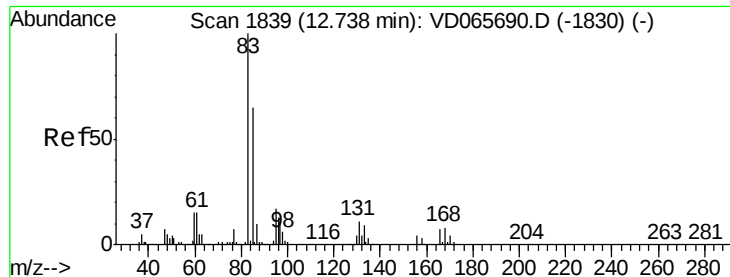
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 86.720 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

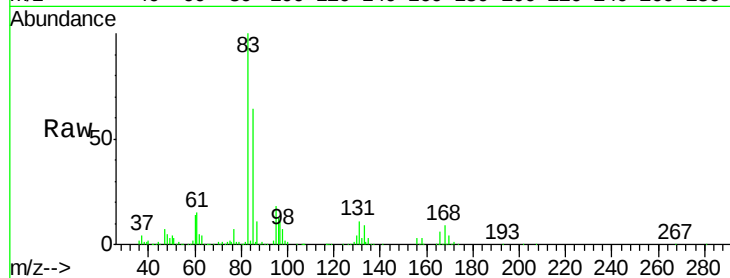
Tot Ion: 83 Resp: 484941

Ion Ratio Lower Upper

83 100

131 10.6 5.5 16.5

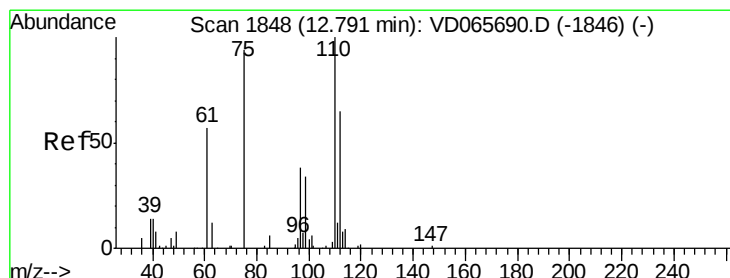
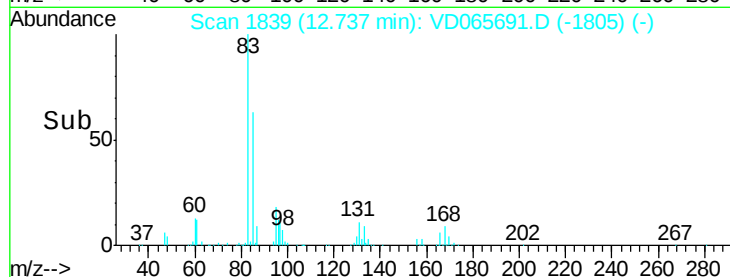
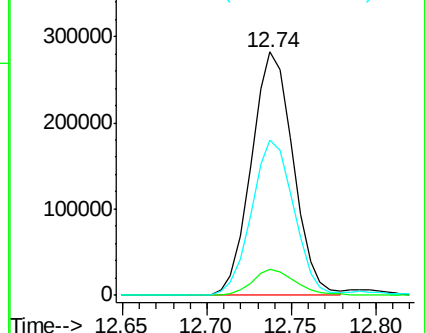
85 63.6 32.3 96.9



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 65.253 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065691.D

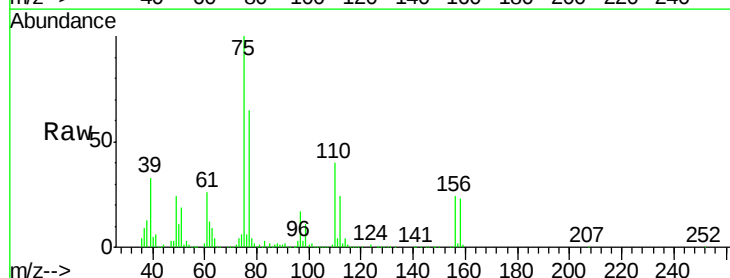
Acq: 01 May 2020 19:41

Tgt Ion: 75 Resp: 337606

Ion Ratio Lower Upper

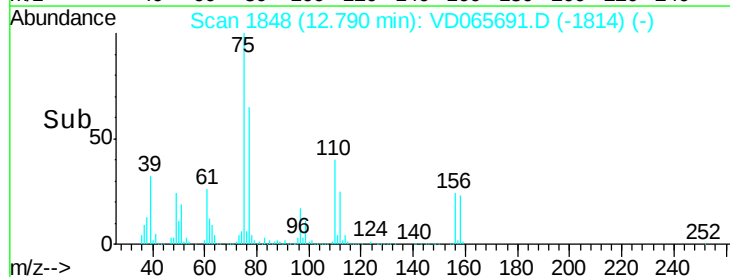
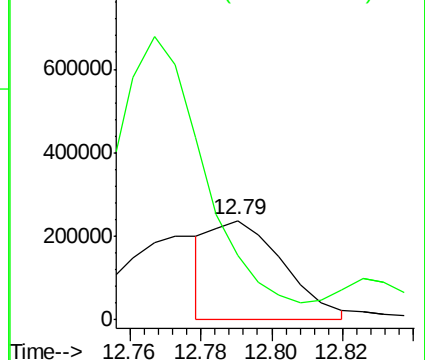
75 100

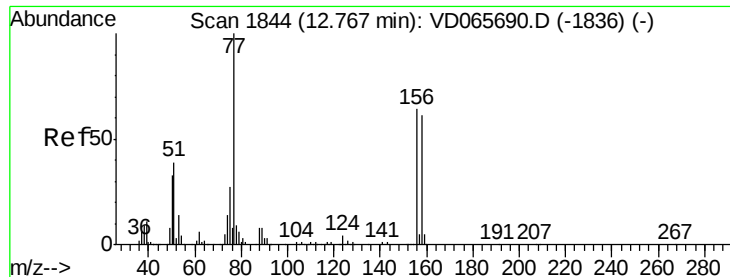
77 64.5 28.7 86.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 87.741 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

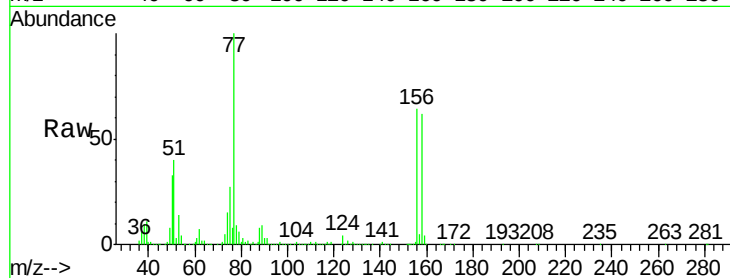
Tot Ion:156 Resp: 721391

Ion Ratio Lower Upper

156 100

77 156.9 78.4 235.2

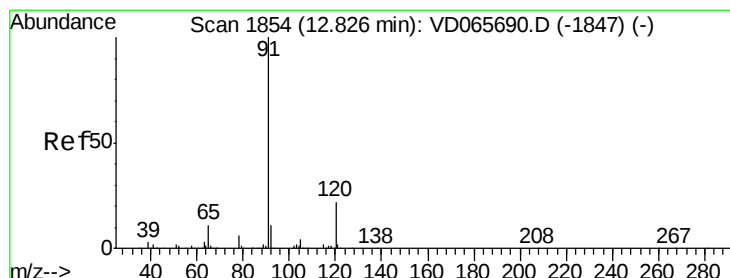
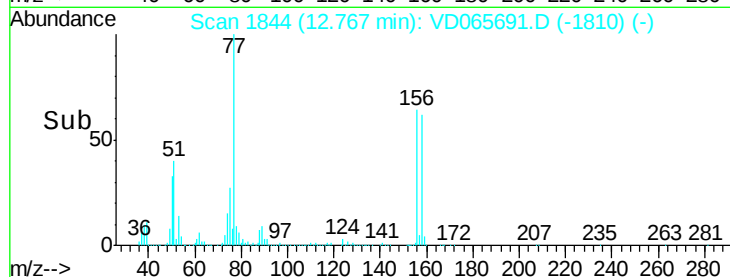
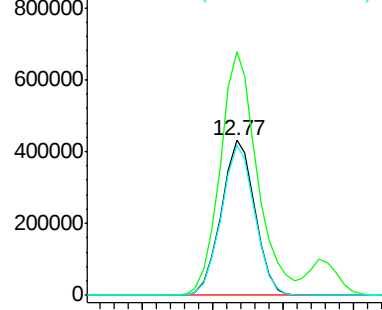
158 97.1 47.6 142.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 105.441 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065691.D

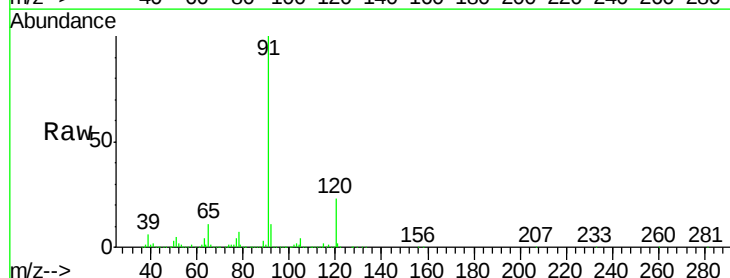
Acq: 01 May 2020 19:41

Tgt Ion: 91 Resp: 3572098

Ion Ratio Lower Upper

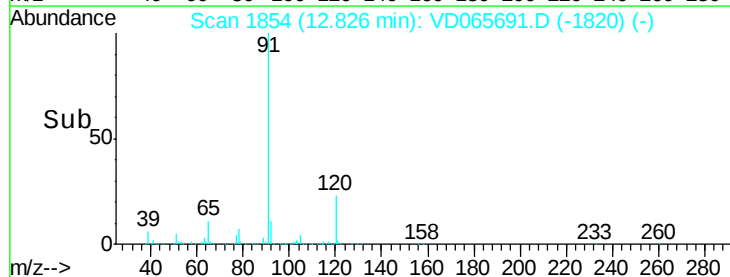
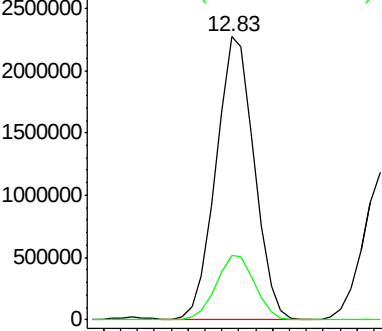
91 100

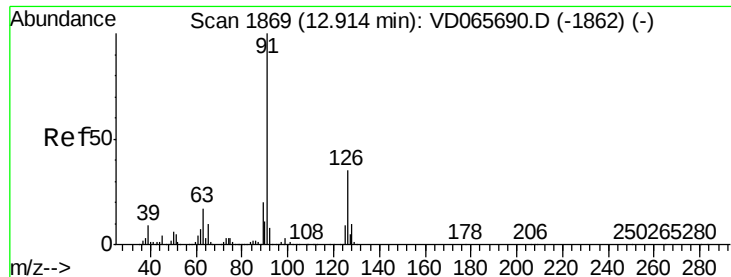
120 22.9 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

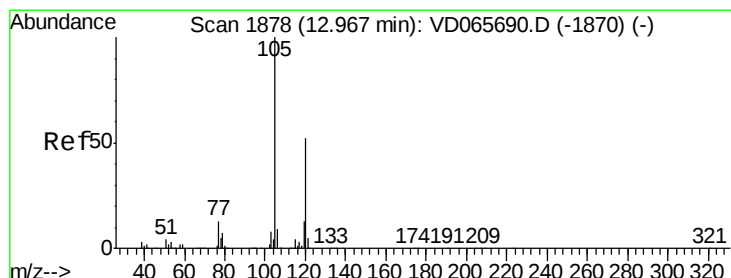
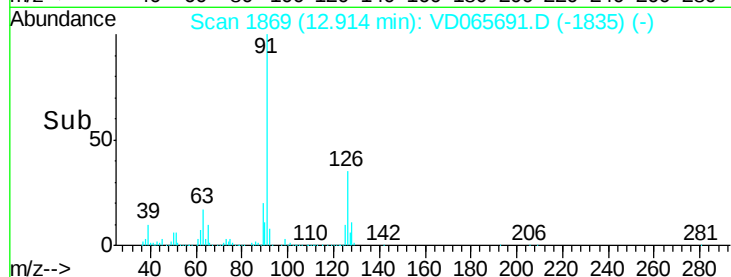
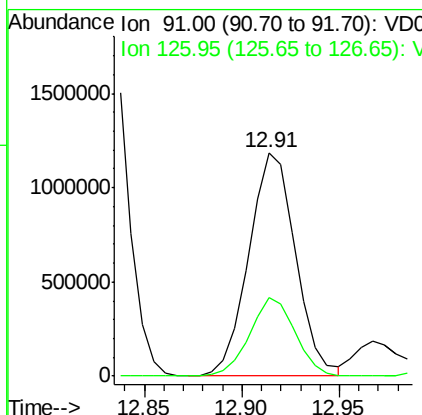
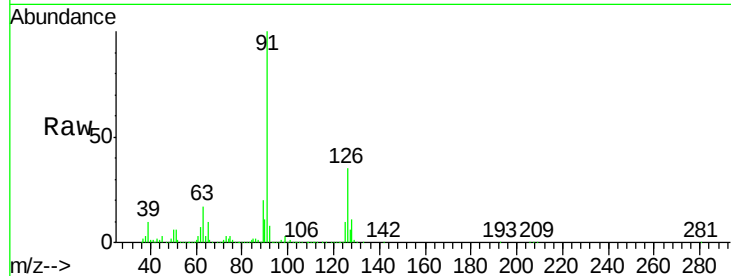




#79
2-Chlorotoluene
Concen: 97.477 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

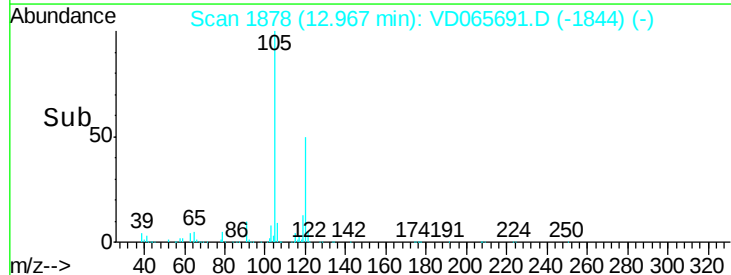
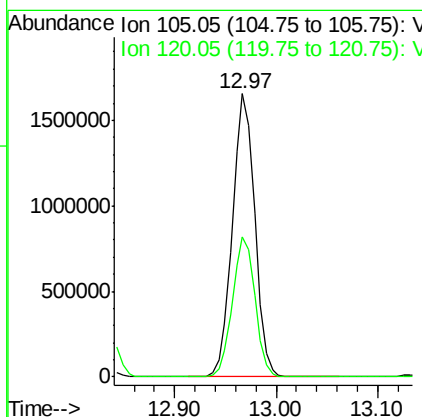
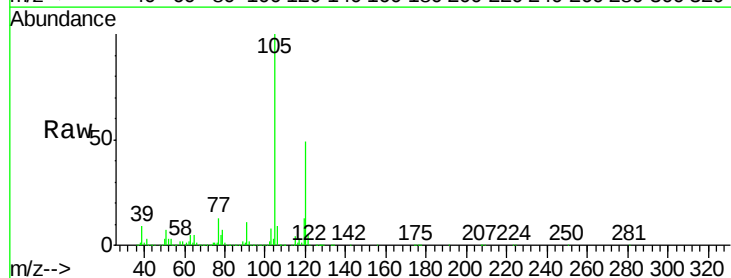
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

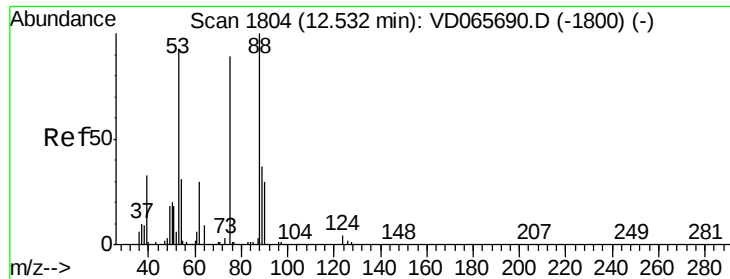
Tot Ion: 91 Resp: 1965915
Ion Ratio Lower Upper
91 100
126 35.3 17.6 52.9



#80
1,3,5-Trimethylbenzene
Concen: 107.506 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

Tgt Ion:105 Resp: 2532453
Ion Ratio Lower Upper
105 100
120 49.5 25.9 77.7





#81

trans-1,4-Dichloro-2-butene

Concen: 99.773 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

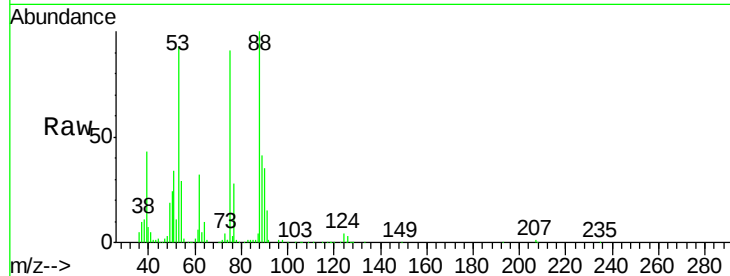
Tot Ion: 75 Resp: 167233

Ion Ratio Lower Upper

75 100

53 102.1 84.0 126.0

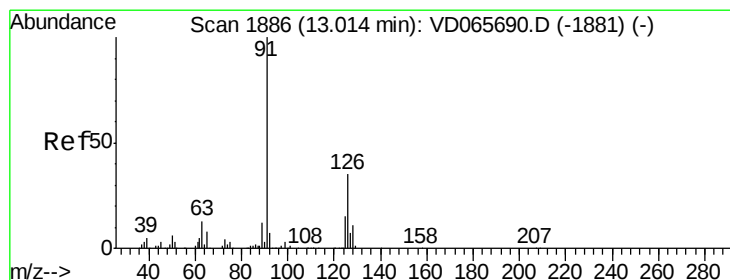
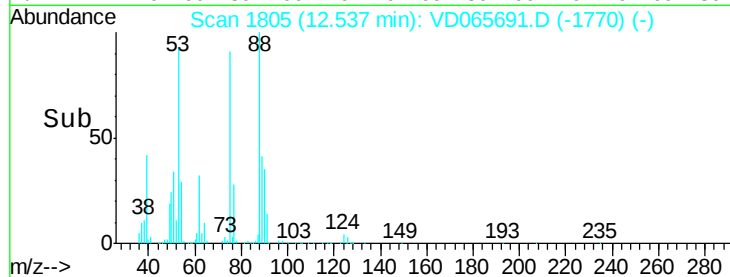
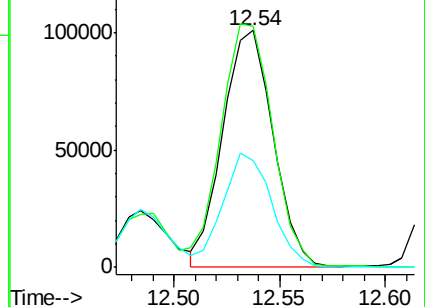
89 45.2 35.5 53.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 95.754 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065691.D

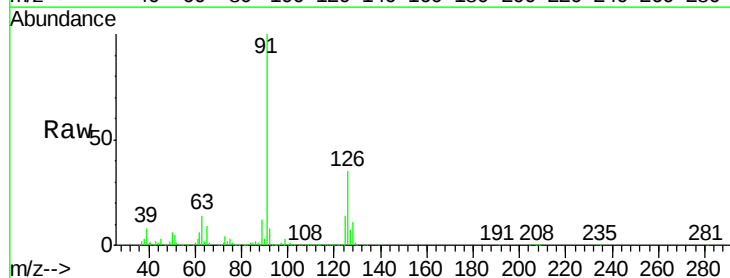
Acq: 01 May 2020 19:41

Tgt Ion: 91 Resp: 2113424

Ion Ratio Lower Upper

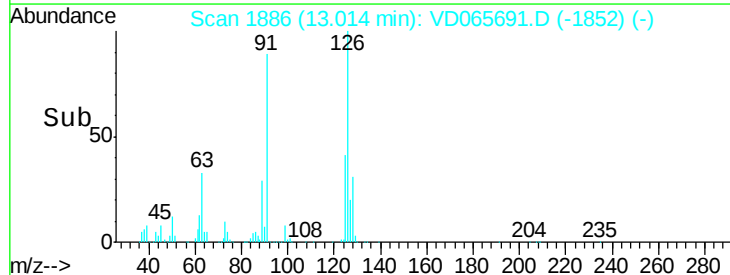
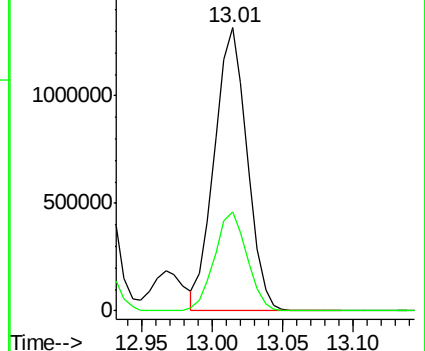
91 100

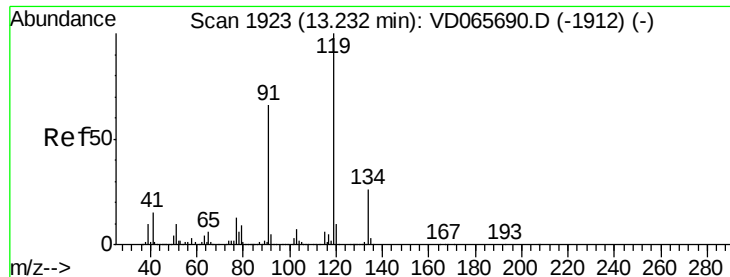
126 34.8 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 82.257 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

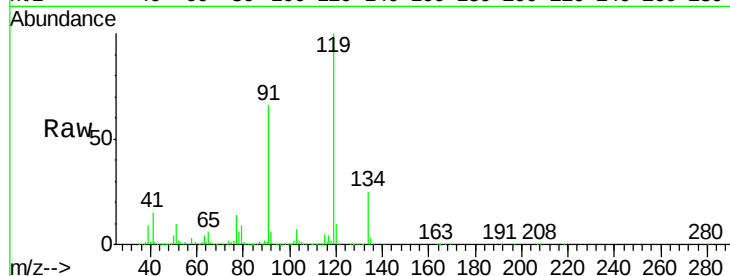
Tot Ion:119 Resp: 2119514

Ion Ratio Lower Upper

119 100

91 65.9 32.9 98.7

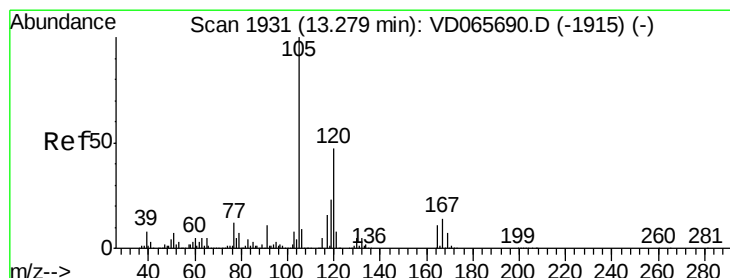
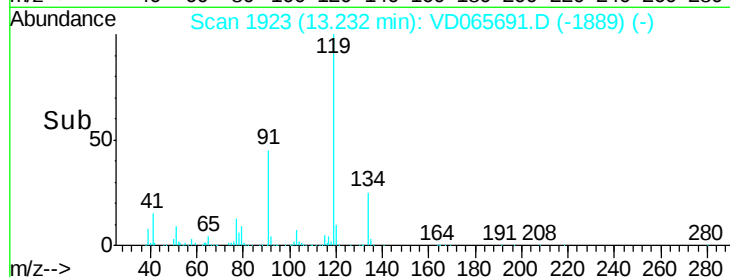
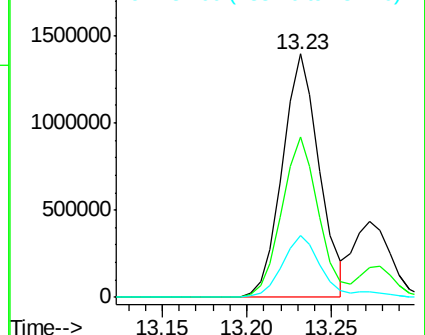
134 25.2 12.9 38.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 115.874 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. -0.00 min

Lab File: VD065691.D

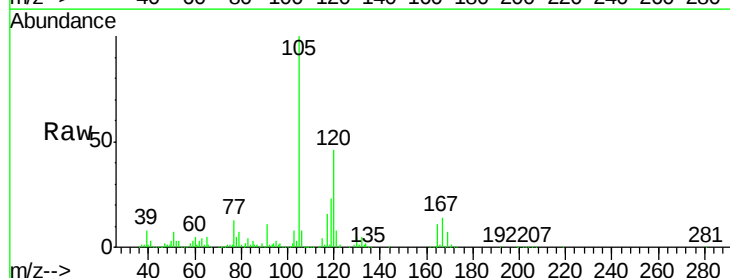
Acq: 01 May 2020 19:41

Tgt Ion:105 Resp: 2581165

Ion Ratio Lower Upper

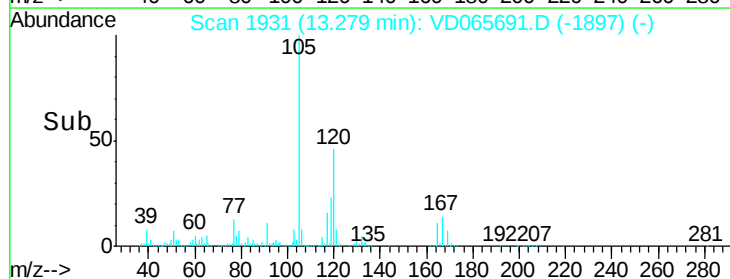
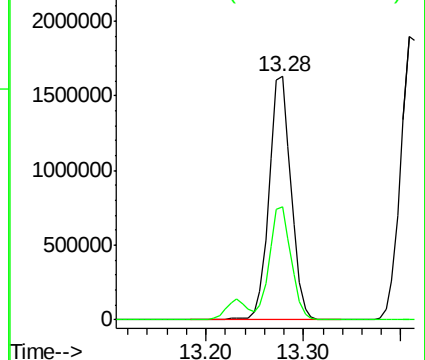
105 100

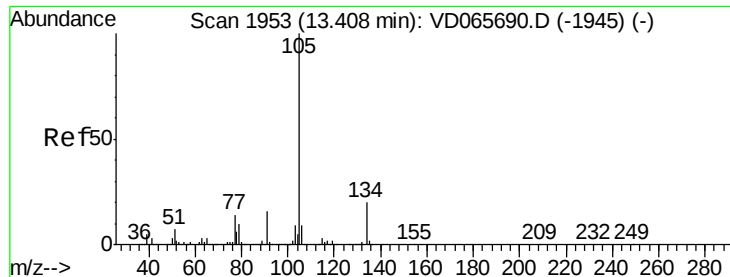
120 46.5 23.3 69.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 102.094 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

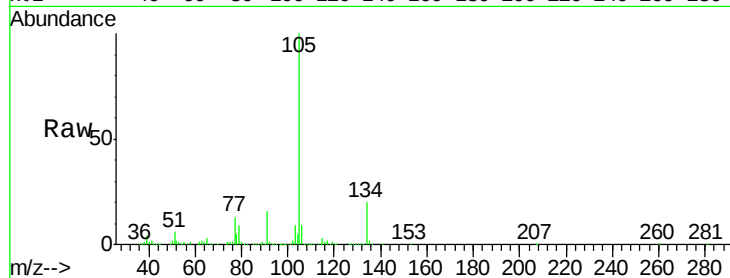
VSTDIC100

Tot Ion:105 Resp: 2962826

Ion Ratio Lower Upper

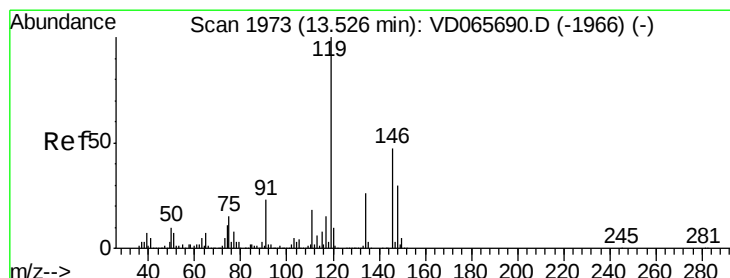
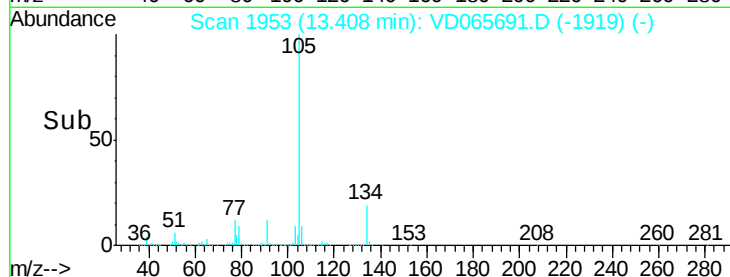
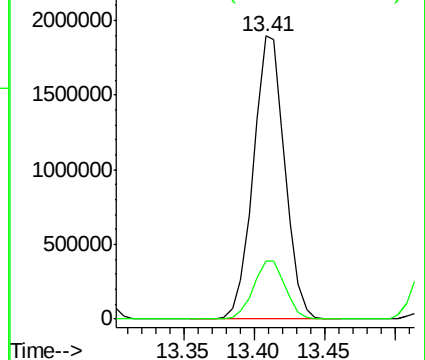
105 100

134 20.4 10.3 30.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 109.973 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

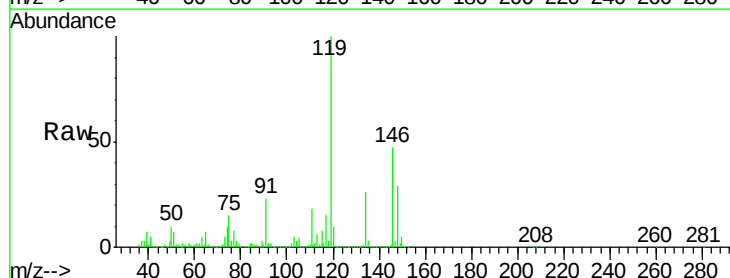
Tgt Ion:119 Resp: 2854904

Ion Ratio Lower Upper

119 100

134 25.7 13.1 39.3

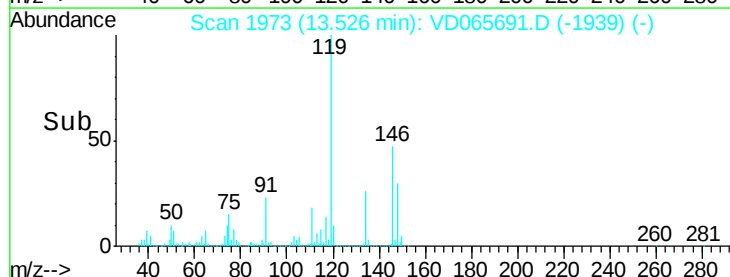
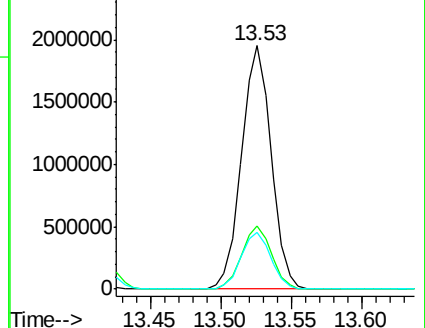
91 23.2 11.7 35.1

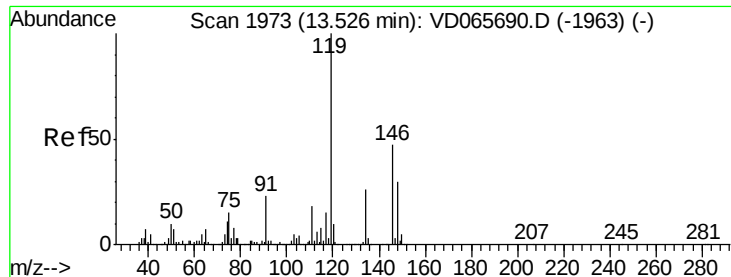


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 98.796 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

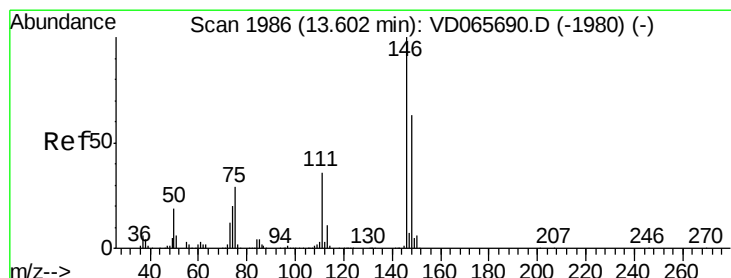
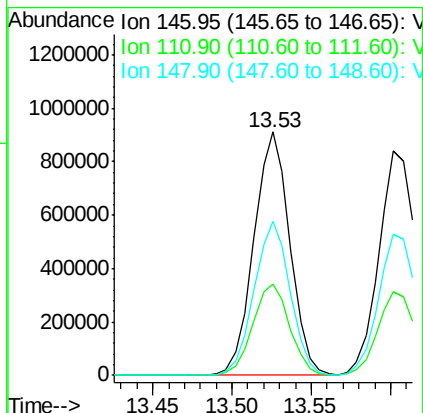
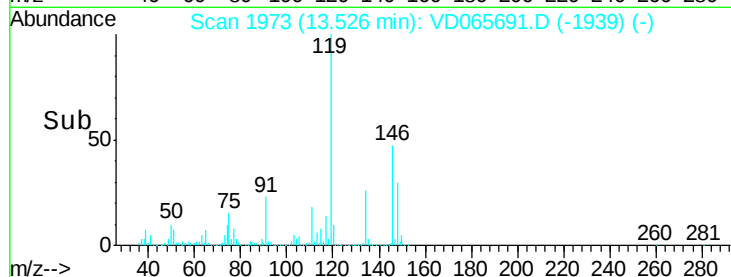
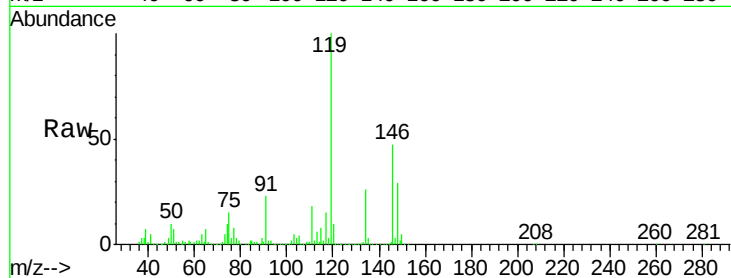
Tot Ion:146 Resp: 1438733

Ion Ratio Lower Upper

146 100

111 37.7 19.4 58.2

148 63.2 31.4 94.0



#88

1,4-Dichlorobenzene

Concen: 100.263 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

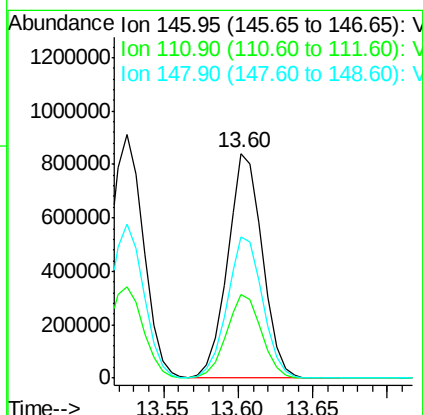
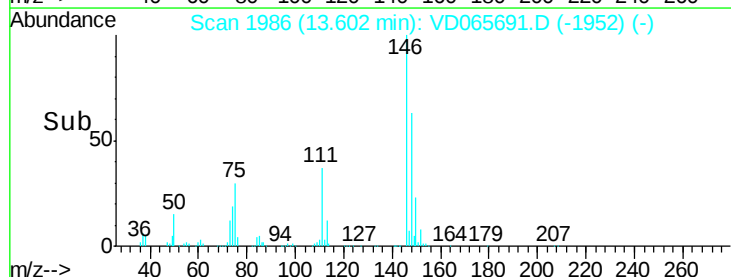
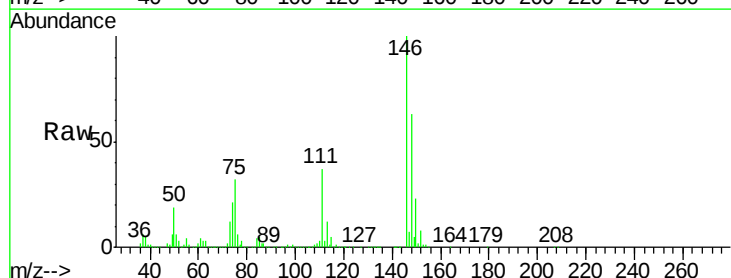
Tgt Ion:146 Resp: 1366728

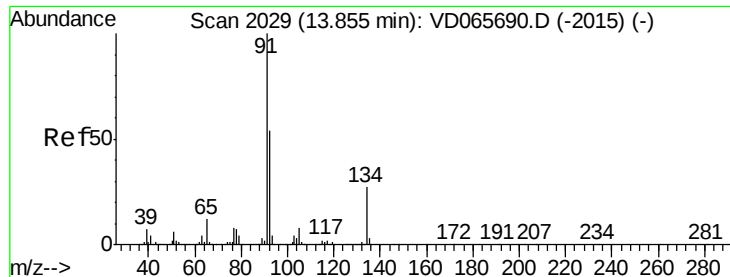
Ion Ratio Lower Upper

146 100

111 37.3 18.3 54.9

148 62.5 31.6 94.8





#89

n-Butylbenzene

Concen: 108.798 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

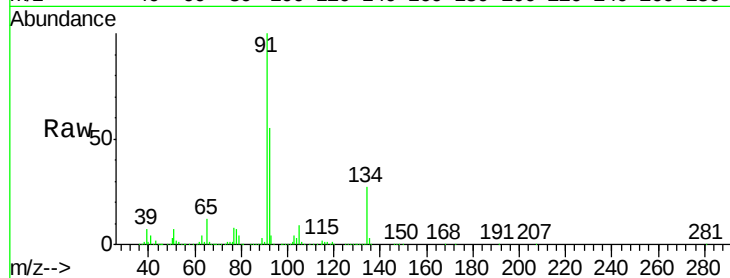
Tot Ion: 91 Resp: 2567101

Ion Ratio Lower Upper

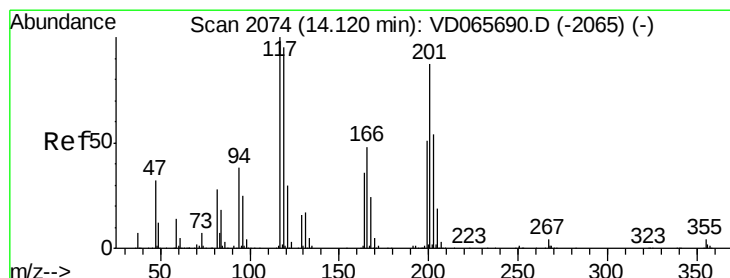
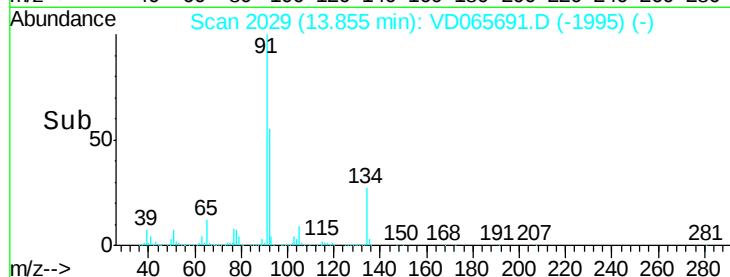
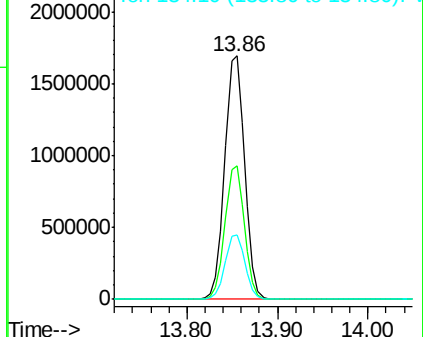
91 100

92 54.6 27.0 81.0

134 26.6 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 79.878 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VD065691.D

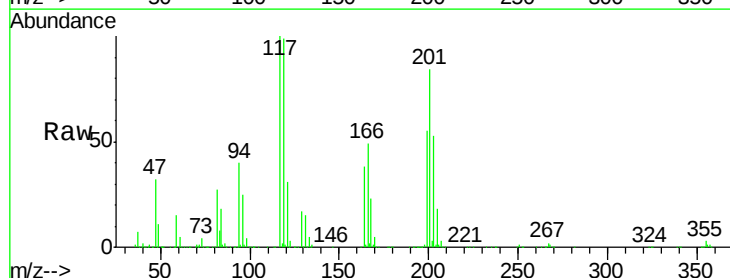
Acq: 01 May 2020 19:41

Tgt Ion: 117 Resp: 537294

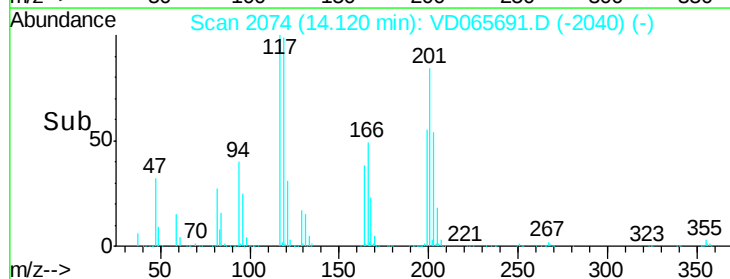
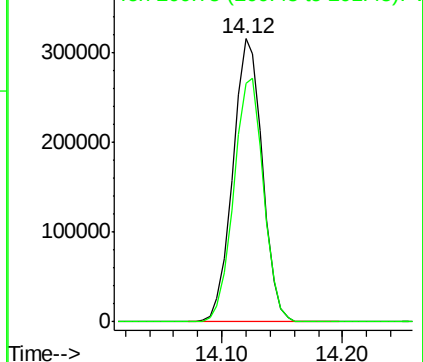
Ion Ratio Lower Upper

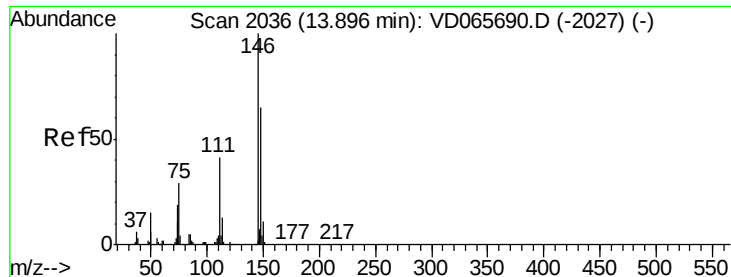
117 100

201 84.3 43.7 131.1



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 98.309 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

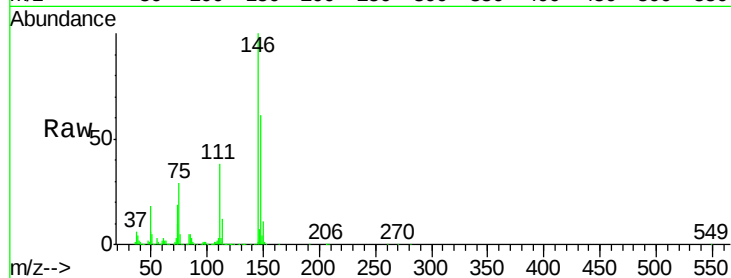
Tot Ion:146 Resp: 1192273

Ion Ratio Lower Upper

146 100

111 37.9 20.3 60.8

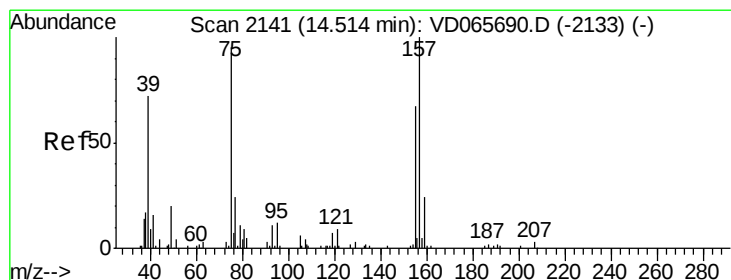
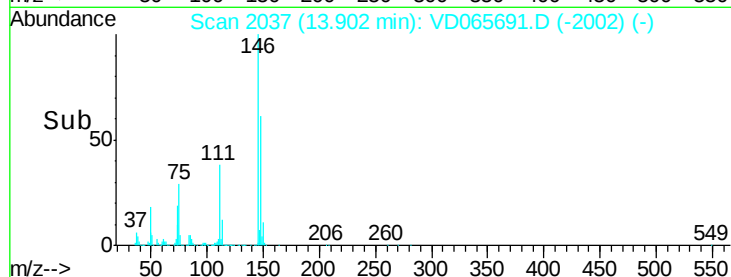
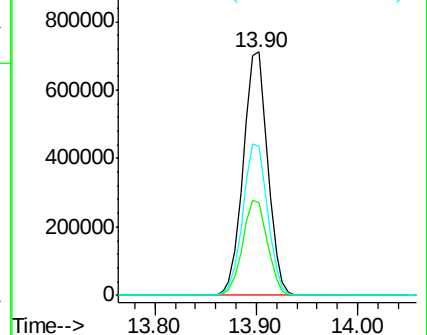
148 61.4 32.5 97.4



Abundance Ion 145.95 (145.65 to 146.65): 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: 106.752 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.01 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

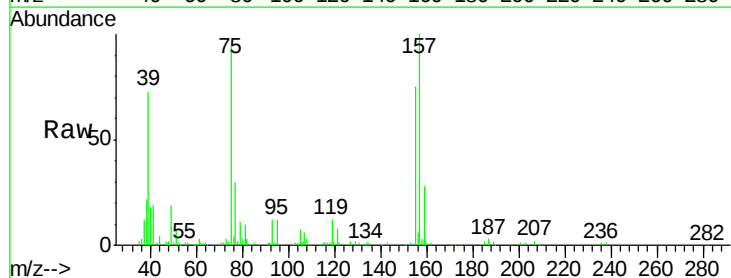
Tgt Ion: 75 Resp: 82618

Ion Ratio Lower Upper

75 100

155 79.3 35.4 106.3

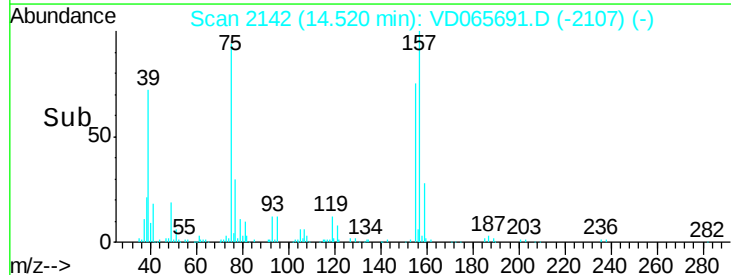
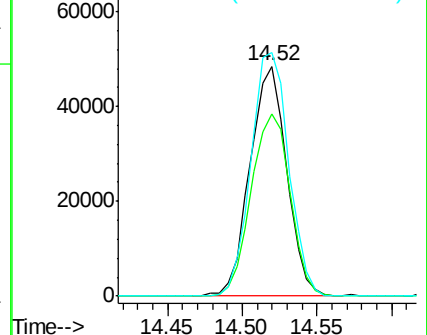
157 105.9 52.6 157.8

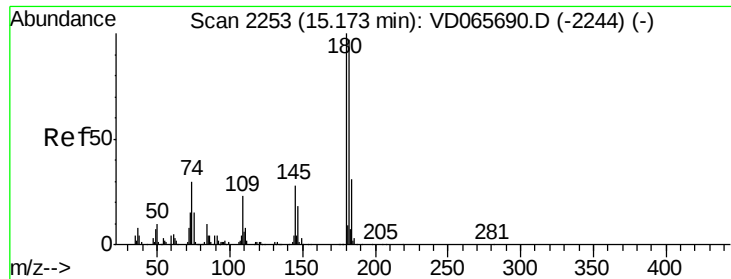


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

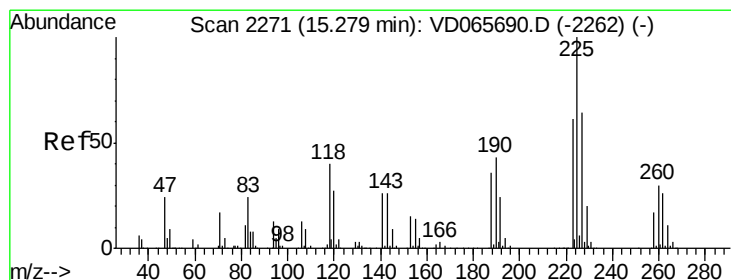
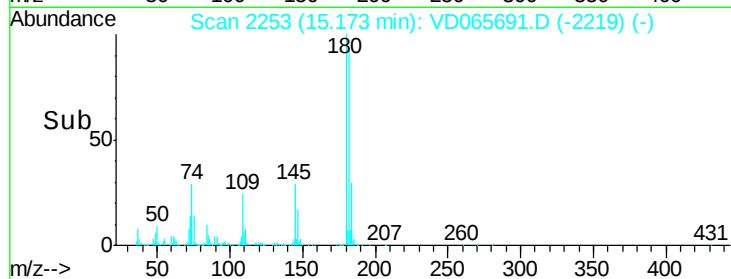
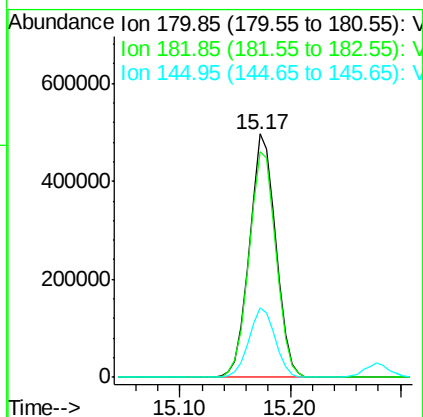
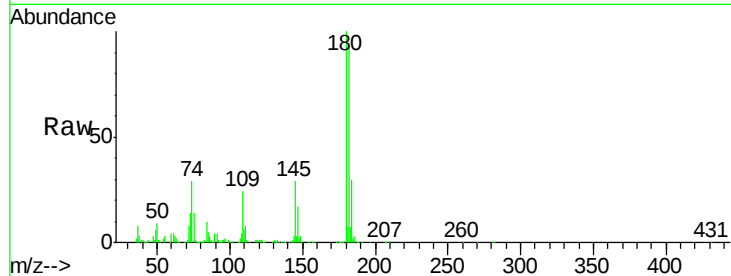




#93
 1,2,4-Trichlorobenzene
 Concen: 124.717 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065691.D
 Acq: 01 May 2020 19:41

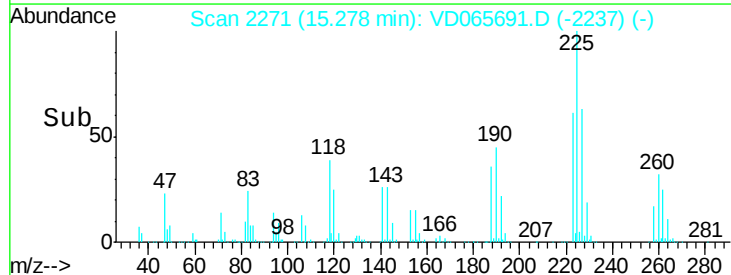
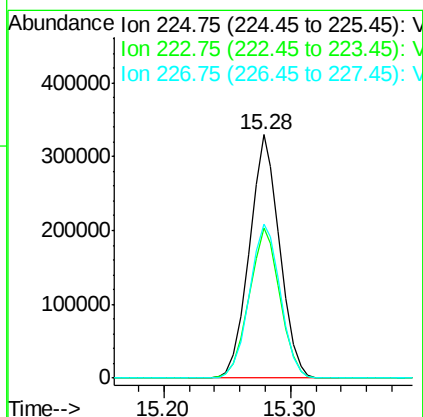
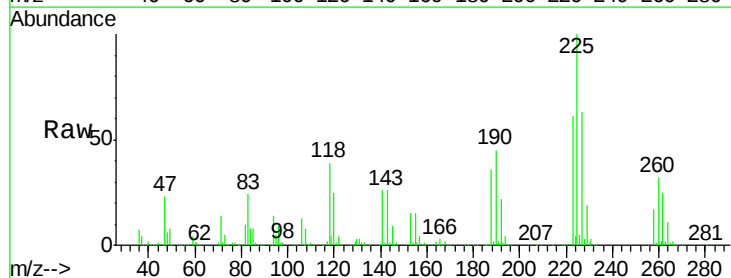
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

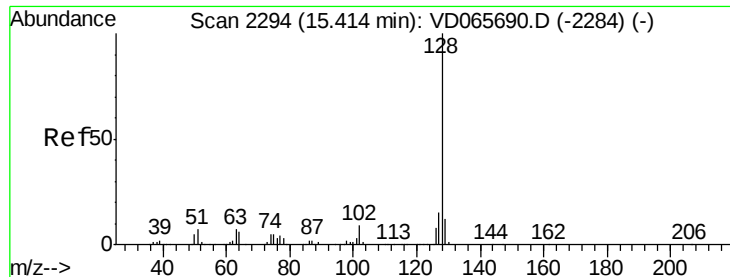
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.8	48.5	145.5
145	28.7	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 112.065 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065691.D
 Acq: 01 May 2020 19:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	30.4	91.3
227	63.4	32.0	96.0





#95

Naphthalene

Concen: 127.740 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

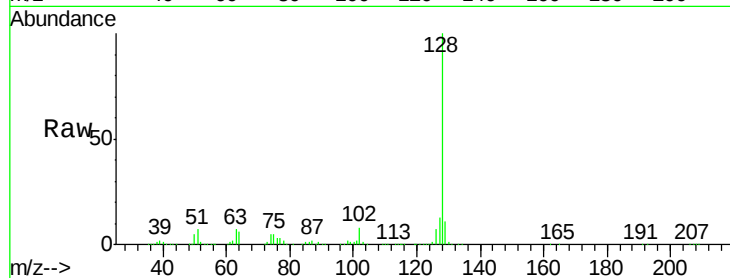
MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1384373

Ion	Ratio	Lower	Upper
128	100		
127	13.4	11.8	17.6
129	10.8	9.6	14.4

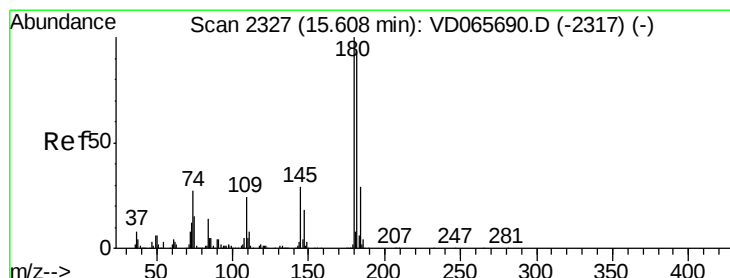
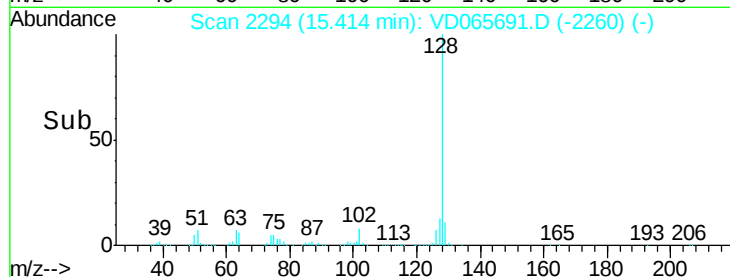
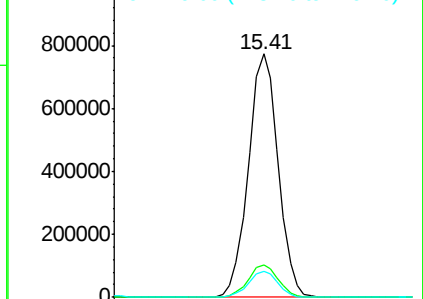


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 175.128 ug/l

RT: 15.61 min Scan# 2327

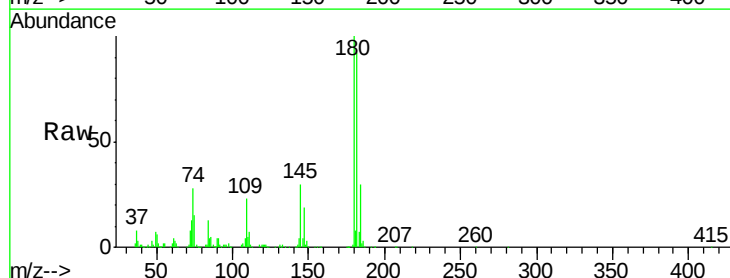
Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Tgt Ion:180 Resp: 734748

Ion	Ratio	Lower	Upper
180	100		
182	92.4	46.6	139.7
145	29.9	14.5	43.6



Abundance

Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

