

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067049.D
 Acq On : 02 Oct 2020 21:27
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 03 04:50:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	460870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	748498	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	686722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	334059	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	236929	53.37	ug/l	0.00
Spiked Amount			Recovery	=	106.74%	
35) Dibromofluoromethane	7.91	113	258965	52.85	ug/l	0.00
Spiked Amount			Recovery	=	105.70%	
50) Toluene-d8	10.34	98	934454	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
62) 4-Bromofluorobenzene	12.63	95	325042	53.62	ug/l	0.00
Spiked Amount			Recovery	=	107.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	185402	49.968	ug/l	95
3) Chloromethane	2.20	50	173046	47.148	ug/l	91
4) Vinyl Chloride	2.35	62	166690	45.294	ug/l	99
5) Bromomethane	2.77	94	124933	52.919	ug/l	99
6) Chloroethane	2.92	64	102580	45.770	ug/l	98
7) Trichlorofluoromethane	3.27	101	375808	45.962	ug/l	98
8) Diethyl Ether	3.71	74	111552	55.017	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	216758	46.902	ug/l	99
10) Methyl Iodide	4.30	142	202747	45.150	ug/l	100
11) Tert butyl alcohol	5.23	59	68753	267.718	ug/l	100
12) 1,1-Dichloroethene	4.07	96	210425	48.435	ug/l	98
13) Acrolein	3.92	56	59118	198.890	ug/l	100
14) Allyl chloride	4.71	41	288470	51.112	ug/l	98
15) Acrylonitrile	5.42	53	202475	271.326	ug/l	98
16) Acetone	4.16	43	168750	249.030	ug/l	97
17) Carbon Disulfide	4.40	76	652655	48.950	ug/l	98
18) Methyl Acetate	4.72	43	96083	56.416	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	443065	55.865	ug/l	98
20) Methylene Chloride	4.97	84	266151	56.259	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	255508	51.678	ug/l	97
22) Diisopropyl ether	6.36	45	559049	54.257	ug/l	99
23) Vinyl Acetate	6.30	43	1626067	278.496	ug/l	98
24) 1,1-Dichloroethane	6.27	63	408378	51.356	ug/l	98
25) 2-Butanone	7.21	43	260059	270.692	ug/l	100
26) 2,2-Dichloropropane	7.21	77	334261	49.083	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	275581	52.189	ug/l	99
28) Bromochloromethane	7.54	49	156376	50.922	ug/l	99
29) Tetrahydrofuran	7.57	42	156029	282.453	ug/l	98
30) Chloroform	7.71	83	443440	51.407	ug/l	97
31) Cyclohexane	7.98	56	300340	45.052	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	393407	49.211	ug/l	96
36) 1,1-Dichloropropene	8.11	75	326999	46.869	ug/l	99
37) Ethyl Acetate	7.29	43	123425	51.066	ug/l	99
38) Carbon Tetrachloride	8.10	117	353551	46.835	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	355126	48.145	ug/l	96
40) Benzene	8.35	78	961720	49.628	ug/l	98
41) Methacrylonitrile	7.52	41	61938	47.435	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	270986	50.044	ug/l	98
43) Isopropyl Acetate	8.45	43	231816	52.063	ug/l	100
44) Trichloroethene	9.11	130	279767	48.347	ug/l	100
45) 1,2-Dichloropropane	9.38	63	230793	50.688	ug/l	97
46) Dibromomethane	9.47	93	136625	52.207	ug/l	100
47) Bromodichloromethane	9.66	83	347234	51.044	ug/l	96
48) Methyl methacrylate	9.46	41	111248	48.769	ug/l #	80
49) 1,4-Dioxane	9.46	88	29325	1073.674	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	597353	269.343	ug/l	100
52) Toluene	10.40	92	632259	50.649	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	309978	50.985	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	372594	50.187	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	183010	50.300	ug/l	96
56) Ethyl methacrylate	10.66	69	210424	56.018	ug/l	97
57) 1,3-Dichloropropane	10.94	76	309065	52.384	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	560756	268.208	ug/l	100
59) 2-Hexanone	10.98	43	406568	274.659	ug/l	97
60) Dibromochloromethane	11.14	129	245029	50.528	ug/l	95
61) 1,2-Dibromoethane	11.24	107	181084	51.805	ug/l	99
64) Tetrachloroethene	10.87	164	239715	48.015	ug/l	95
65) Chlorobenzene	11.67	112	682642	49.981	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	261417	50.318	ug/l	99
67) Ethyl Benzene	11.74	91	1190306	50.864	ug/l	100
68) m/p-Xylenes	11.85	106	913991	100.219	ug/l	99
69) o-Xylene	12.18	106	418399	51.302	ug/l	96
70) Styrene	12.20	104	728705	52.034	ug/l	99
71) Bromoform	12.36	173	138946	51.522	ug/l #	100
73) Isopropylbenzene	12.48	105	1132505	49.927	ug/l	100
74) N-amyl acetate	12.29	43	211270	51.812	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	188186	49.240	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	249242	85.657	ug/l #	100
77) Bromobenzene	12.76	156	279751	51.076	ug/l	97
78) n-propylbenzene	12.82	91	1325255	49.436	ug/l	99
79) 2-Chlorotoluene	12.91	91	758582	49.458	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	965904	50.401	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	58171	49.842	ug/l	96
82) 4-Chlorotoluene	13.01	91	792783	48.582	ug/l	99
83) tert-Butylbenzene	13.23	119	801103	49.640	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	973350	50.893	ug/l	98
85) sec-Butylbenzene	13.40	105	1113925	49.013	ug/l	100
86) p-Isopropyltoluene	13.52	119	1029416	48.856	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	522725	48.997	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	508800	47.697	ug/l	99
89) n-Butylbenzene	13.85	91	919136	47.731	ug/l	100
90) Hexachloroethane	14.11	117	174593	47.305	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	462849	49.677	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	30211	49.039	ug/l	95

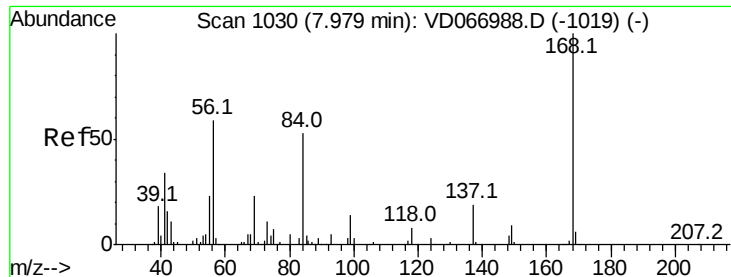
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	312653	51.878	ug/l	97
94) Hexachlorobutadiene	15.27	225	176490	47.685	ug/l	98
95) Naphthalene	15.41	128	552793	54.992	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	271297	51.857	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

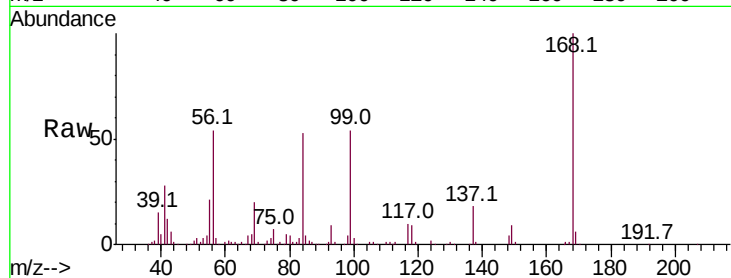
VSTDCCC050EC

Tot Ion:168 Resp: 460870

Ion Ratio Lower Upper

168 100

99 53.1 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

250000

200000

150000

100000

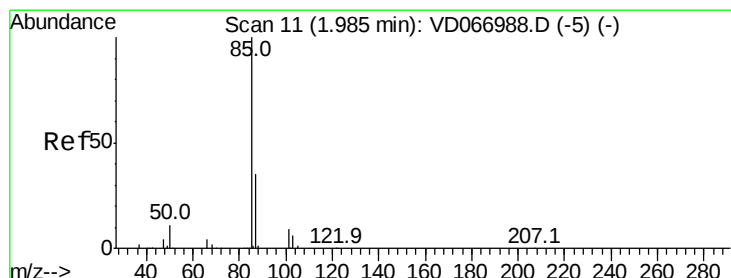
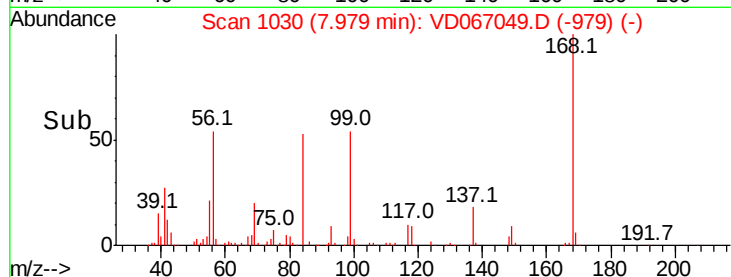
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 49.968 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067049.D

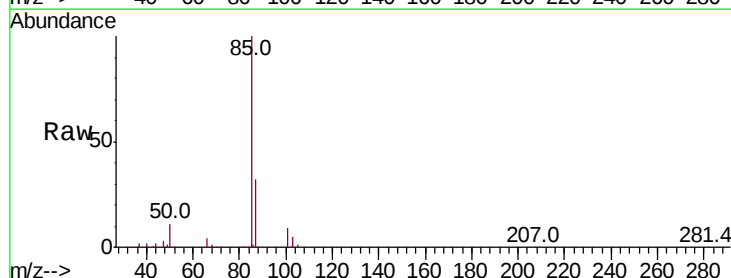
Acq: 02 Oct 2020 21:27

Tgt Ion: 85 Resp: 185402

Ion Ratio Lower Upper

85 100

87 31.8 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

100000

50000

0

1.90

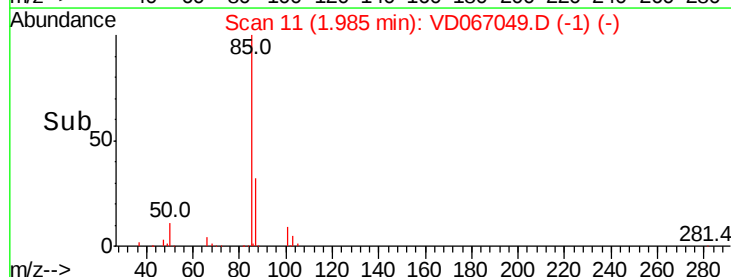
1.95

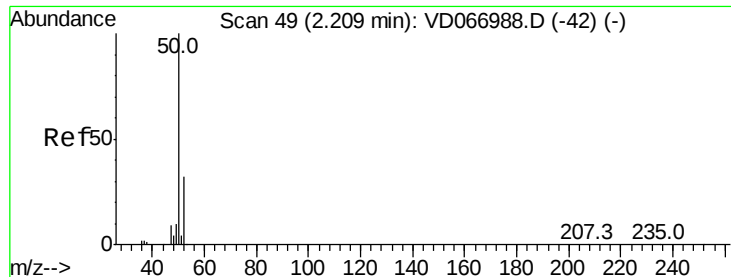
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 47.148 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

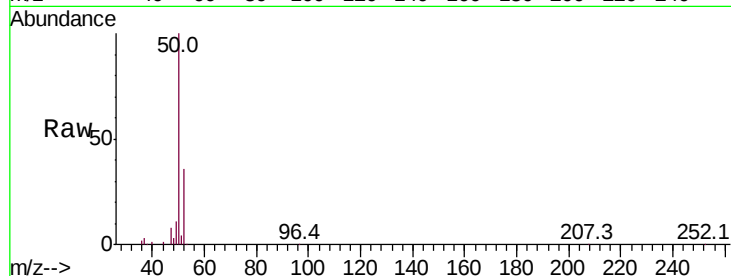
VSTDCCC050EC

Tot Ion: 50 Resp: 173046

Ion Ratio Lower Upper

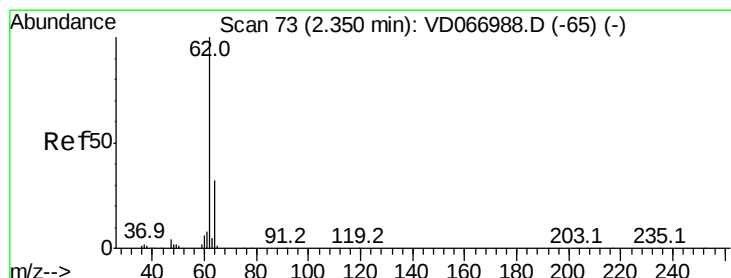
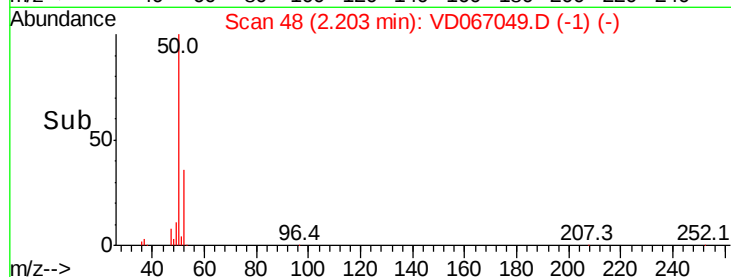
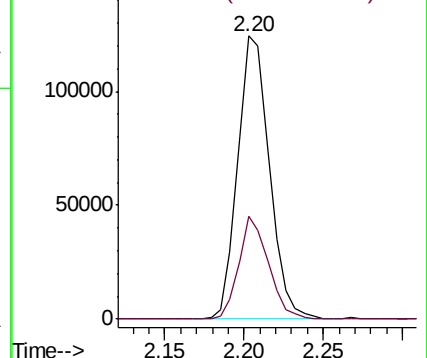
50 100

52 36.4 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 45.294 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067049.D

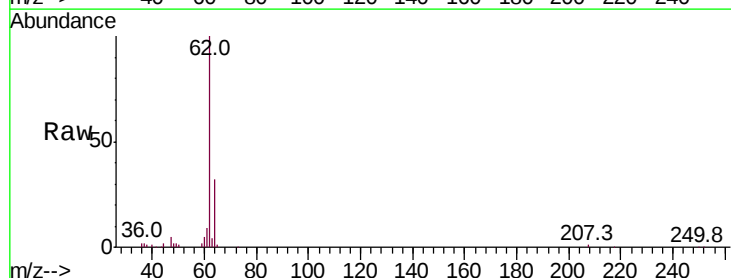
Acq: 02 Oct 2020 21:27

Tgt Ion: 62 Resp: 166690

Ion Ratio Lower Upper

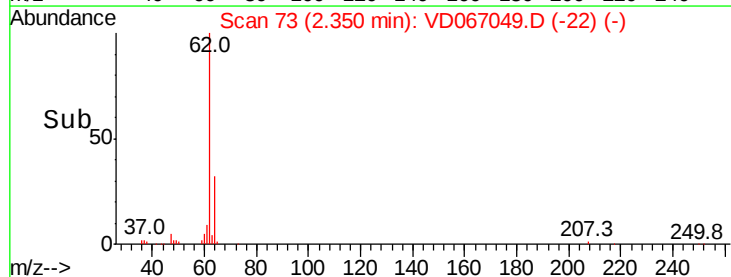
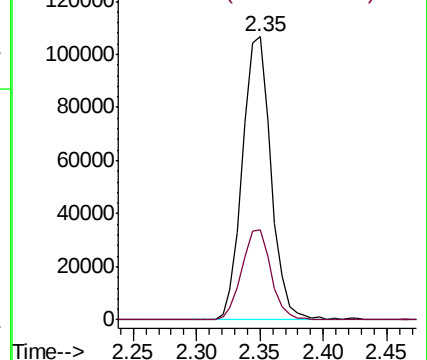
62 100

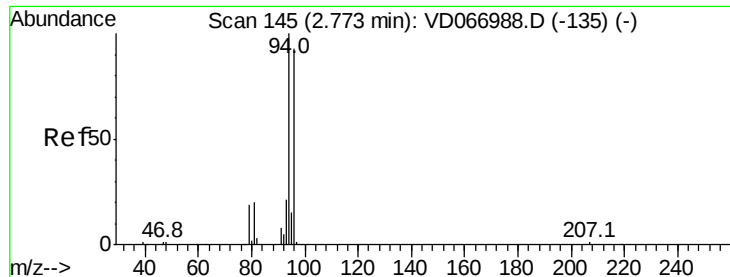
64 32.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 52.919 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

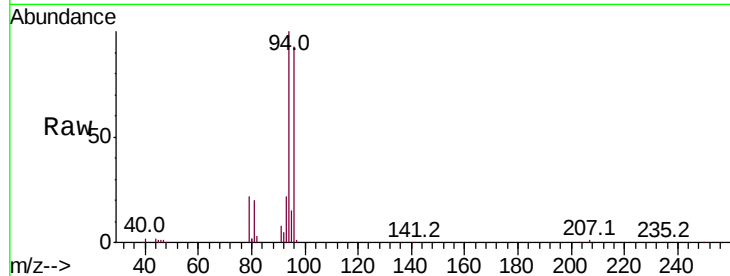
VSTDCCC050EC

Tot Ion: 94 Resp: 124933

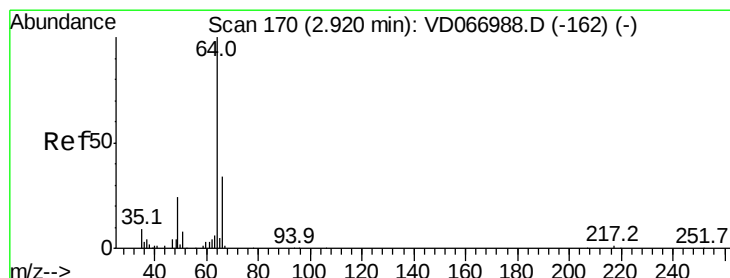
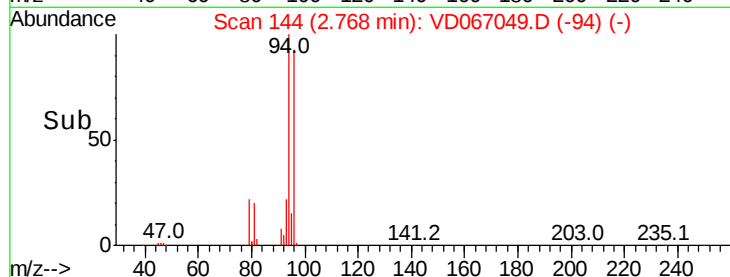
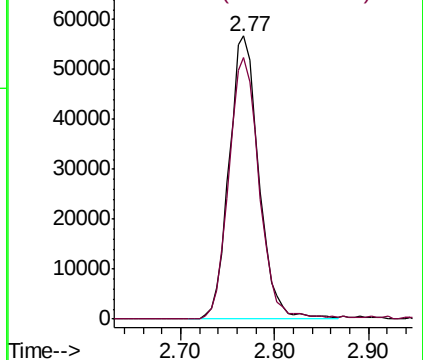
Ion Ratio Lower Upper

94 100

96 92.6 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 45.770 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067049.D

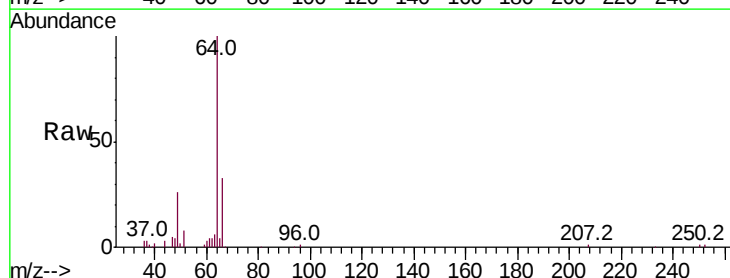
Acq: 02 Oct 2020 21:27

Tgt Ion: 64 Resp: 102580

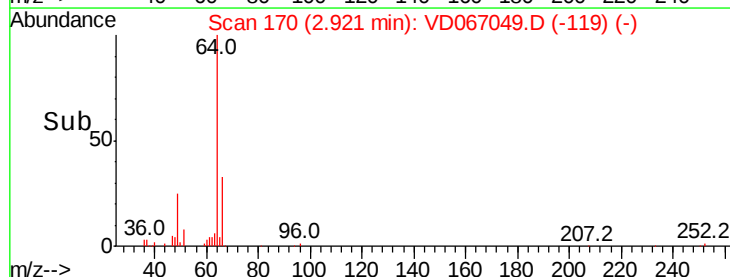
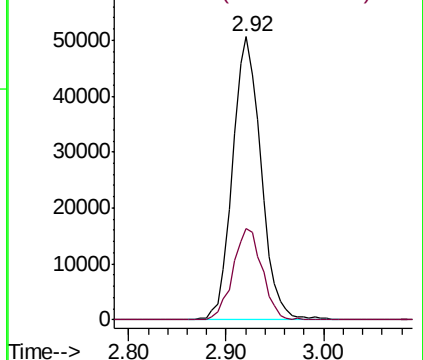
Ion Ratio Lower Upper

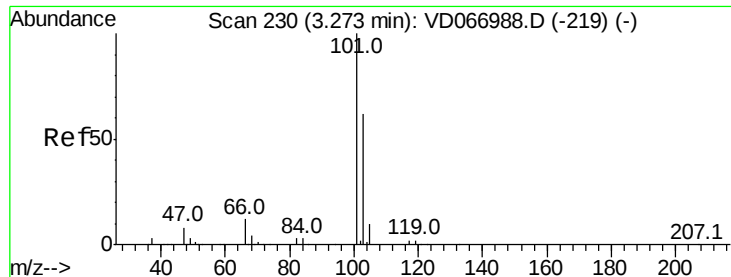
64 100

66 32.5 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



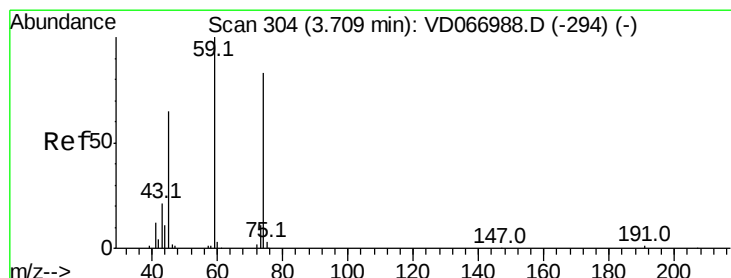
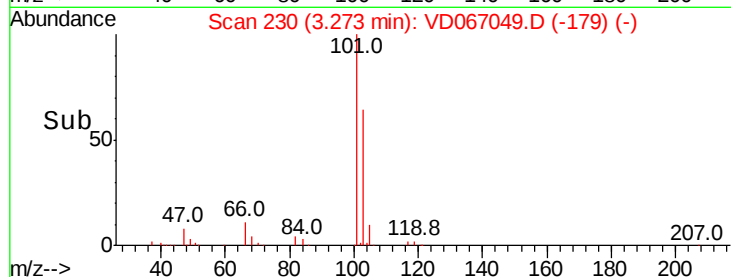
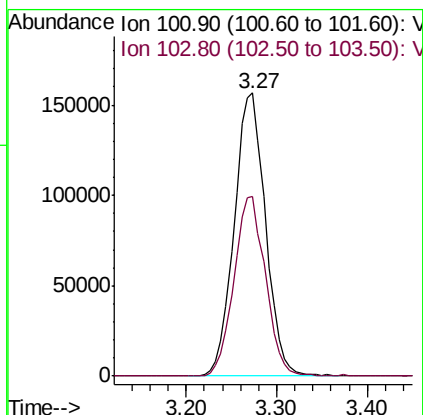
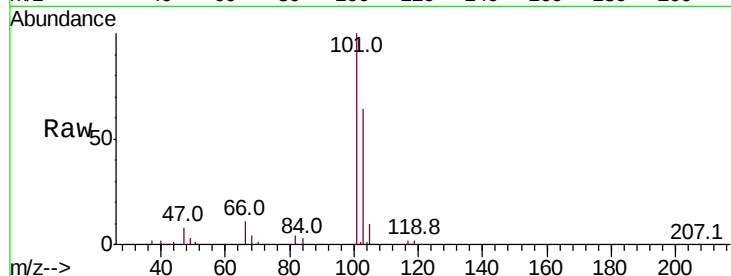


#7

Trichlorofluoromethane
 Concen: 45.962 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

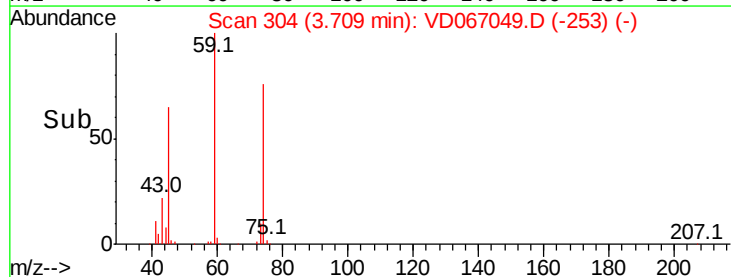
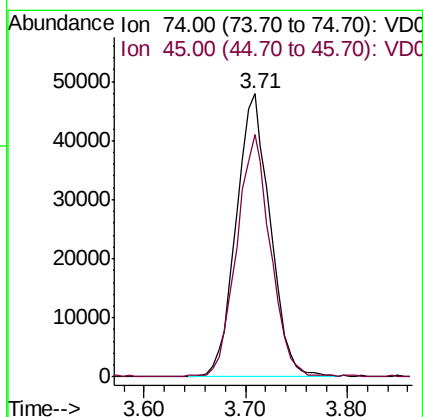
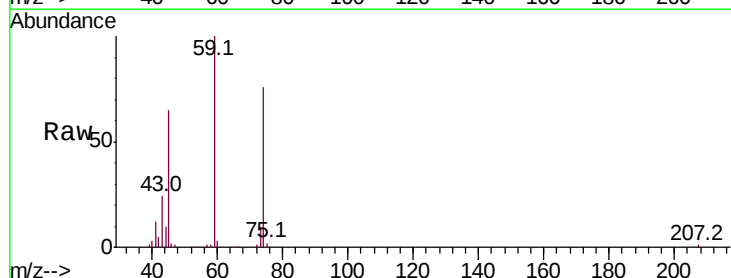
Tot Ion:101 Resp: 375808
 Ion Ratio Lower Upper
 101 100
 103 63.6 49.8 74.8

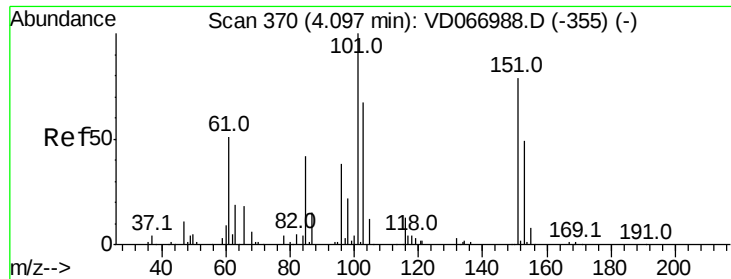


#8

Diethyl Ether
 Concen: 55.017 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

Tgt Ion: 74 Resp: 111552
 Ion Ratio Lower Upper
 74 100
 45 85.0 43.1 129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.902 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

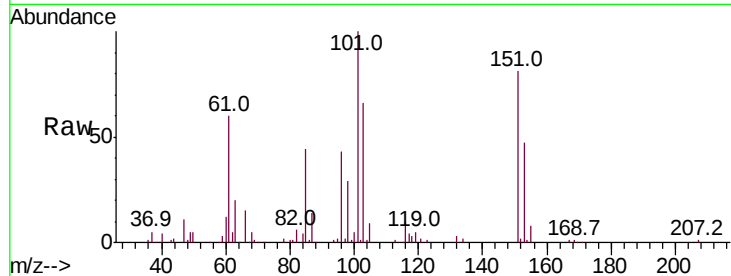
Tot Ion:101 Resp: 216758

Ion Ratio Lower Upper

101 100

85 41.2 33.8 50.8

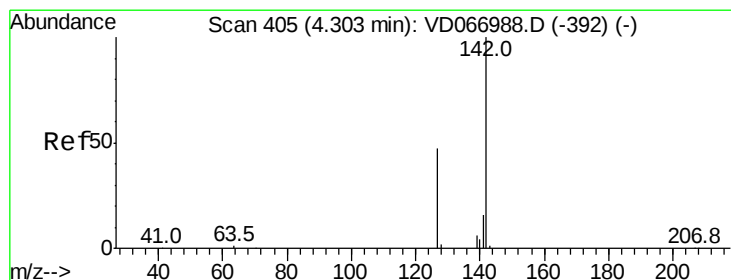
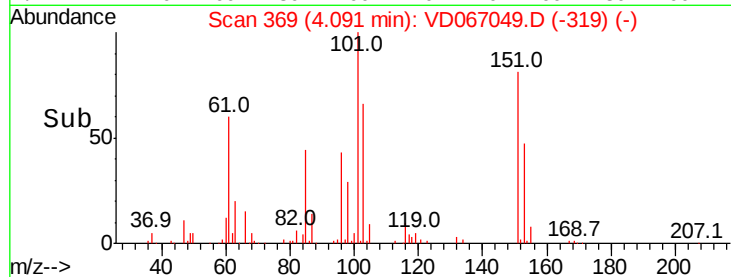
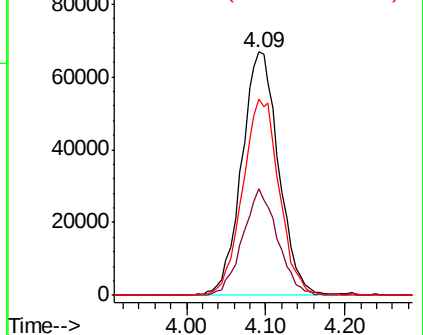
151 79.6 63.8 95.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.150 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

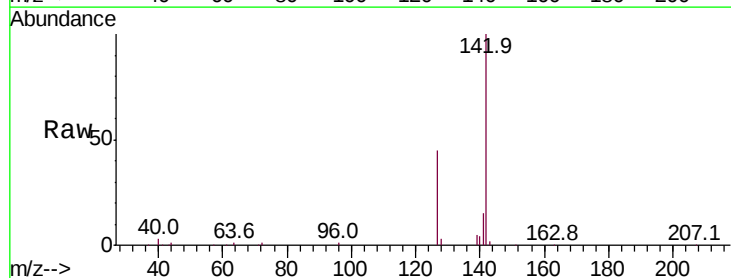
Tgt Ion:142 Resp: 202747

Ion Ratio Lower Upper

142 100

127 45.2 36.3 54.5

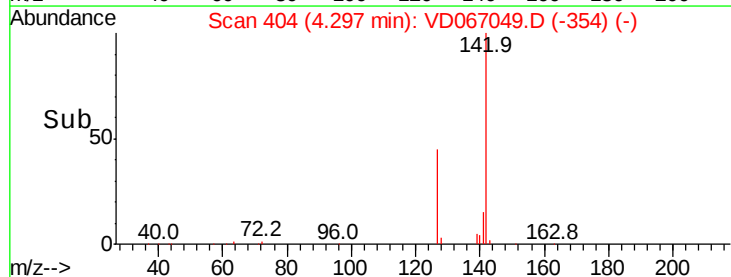
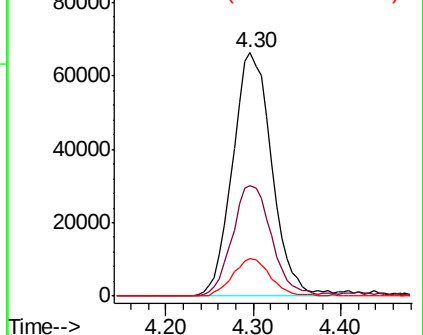
141 14.7 12.0 18.0

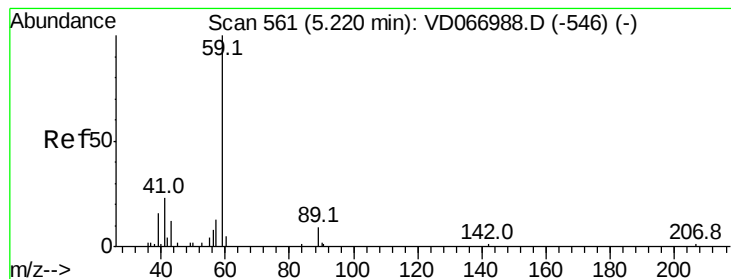


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



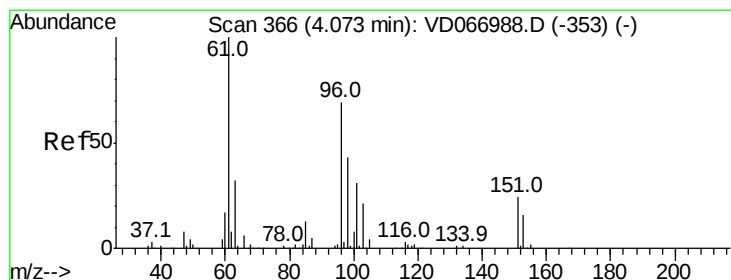
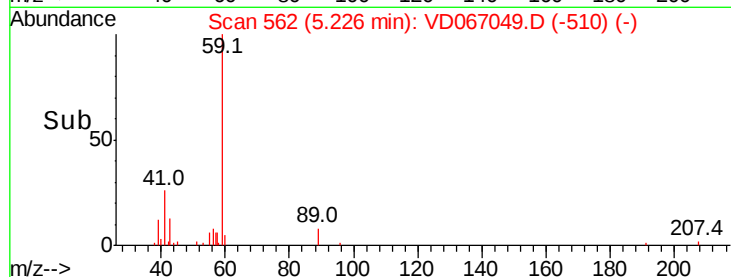
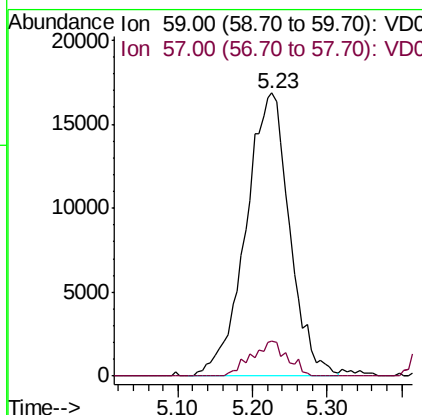
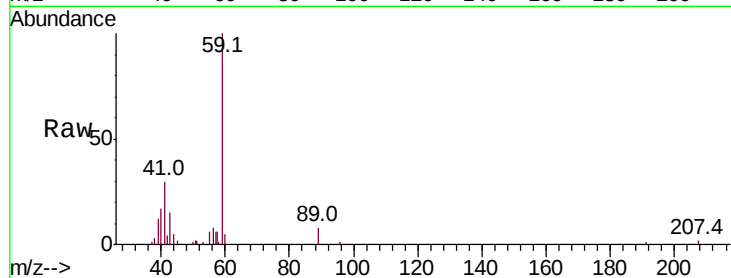


#11

Tert butyl alcohol
 Concen: 267.718 ug/l
 RT: 5.23 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

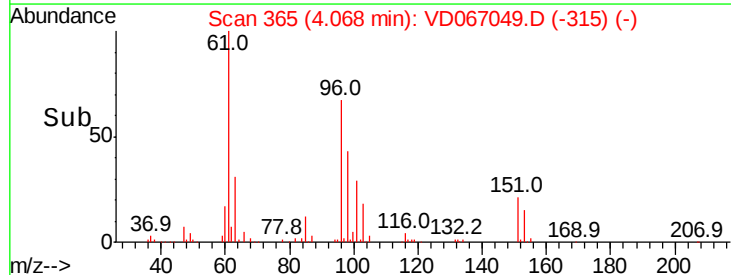
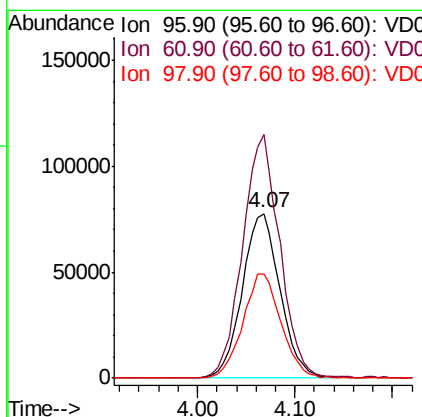
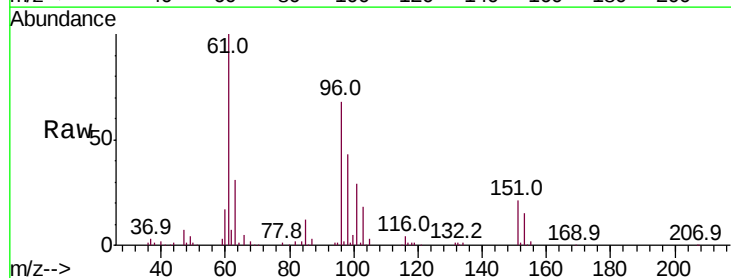
Tot Ion: 59 Resp: 68753
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.2 12.4

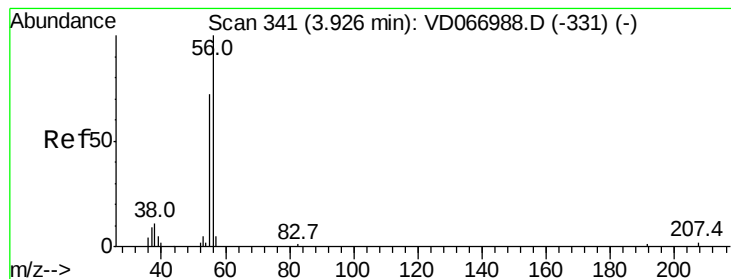


#12

1,1-Dichloroethene
 Concen: 48.435 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

Tgt Ion: 96 Resp: 210425
 Ion Ratio Lower Upper
 96 100
 61 148.1 116.4 174.6
 98 63.1 49.9 74.9





#13

Acrolein

Concen: 198.890 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

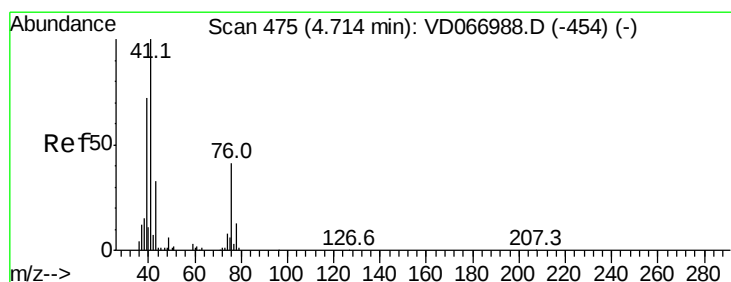
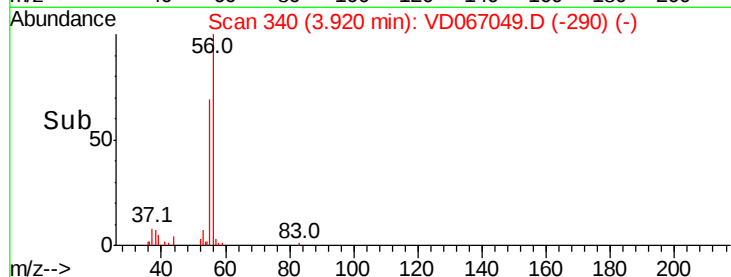
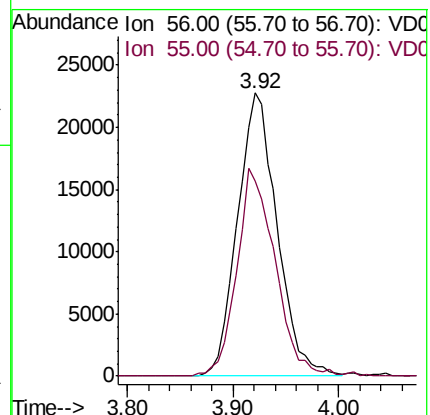
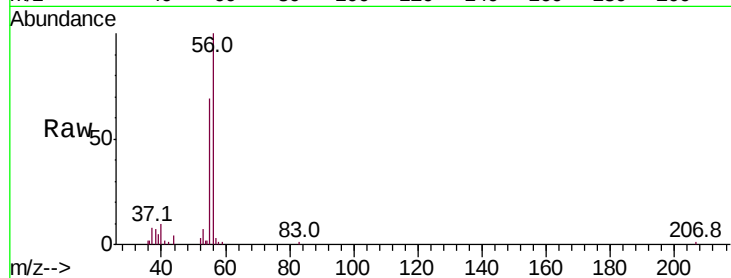
VSTDCCC050EC

Tot Ion: 56 Resp: 59118

Ion Ratio Lower Upper

56 100

55 70.7 56.9 85.3



#14

Allyl chloride

Concen: 51.112 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

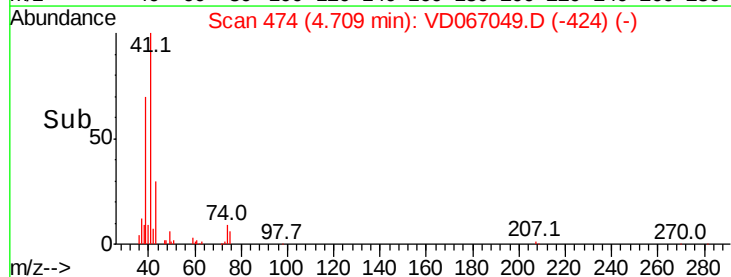
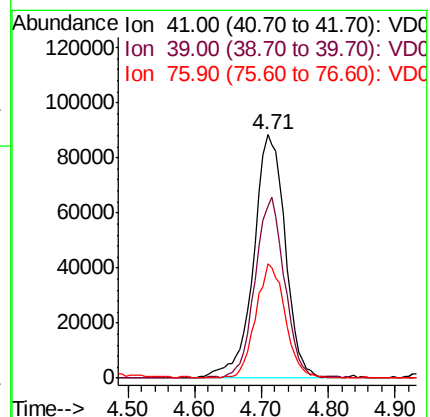
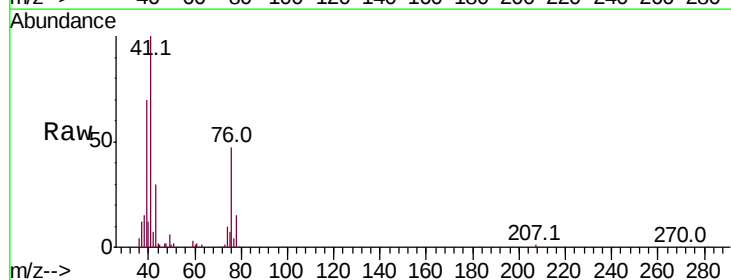
Tgt Ion: 41 Resp: 288470

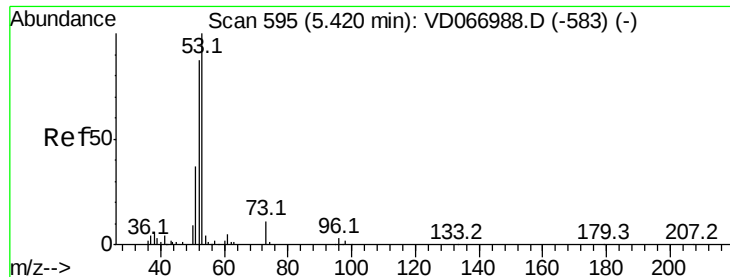
Ion Ratio Lower Upper

41 100

39 69.0 56.2 84.2

76 43.7 34.2 51.2





#15

Acrylonitrile

Concen: 271.326 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

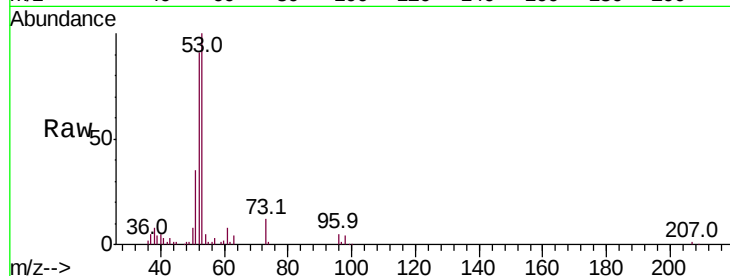
Tot Ion: 53 Resp: 202475

Ion Ratio Lower Upper

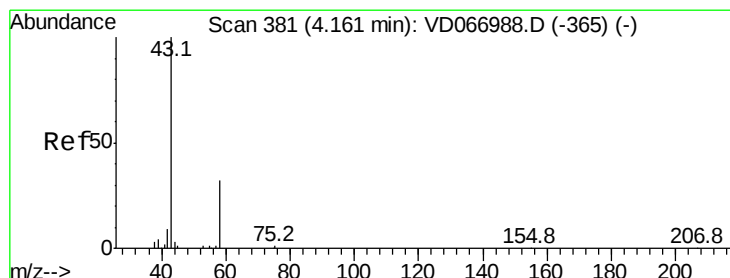
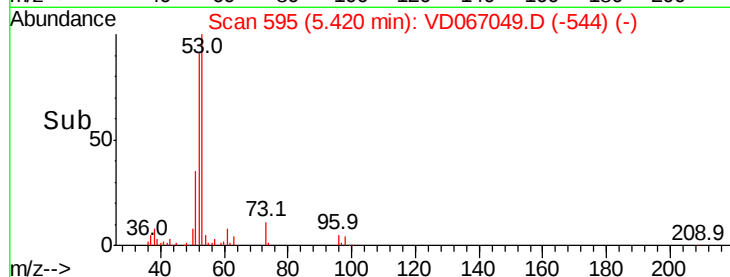
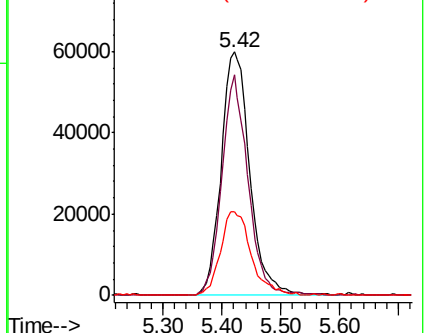
53 100

52 82.6 67.3 100.9

51 36.8 30.2 45.2



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: 249.030 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067049.D

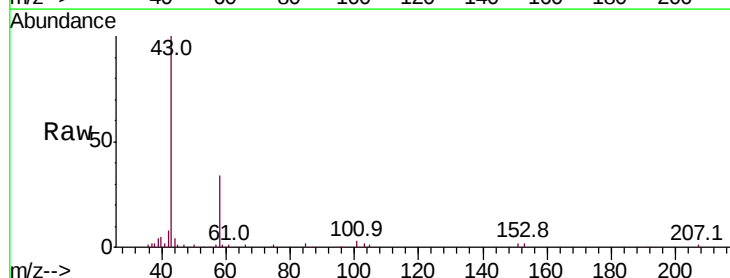
Acq: 02 Oct 2020 21:27

Tgt Ion: 43 Resp: 168750

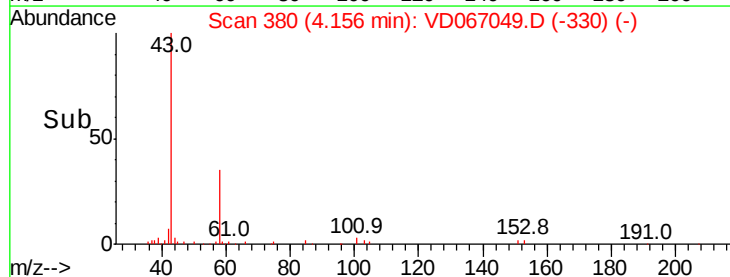
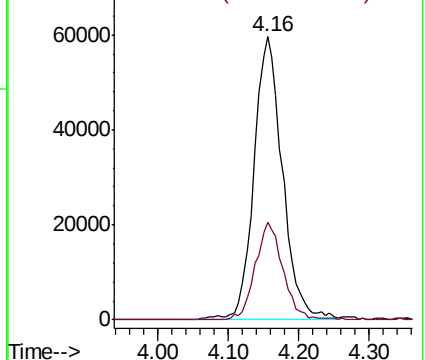
Ion Ratio Lower Upper

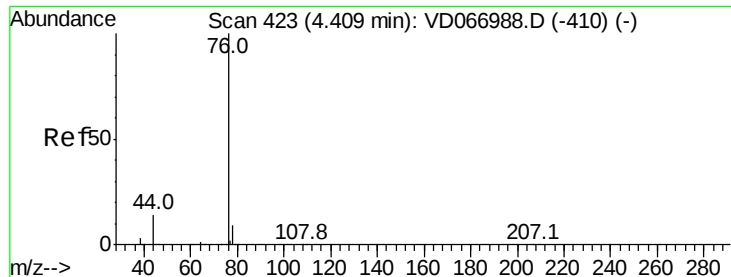
43 100

58 34.3 25.9 38.9



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

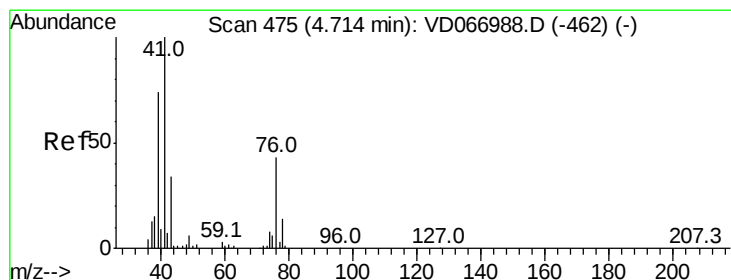
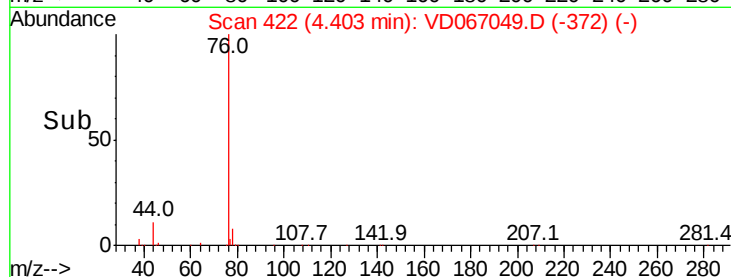
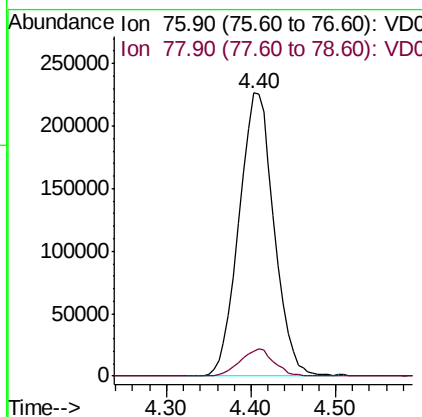
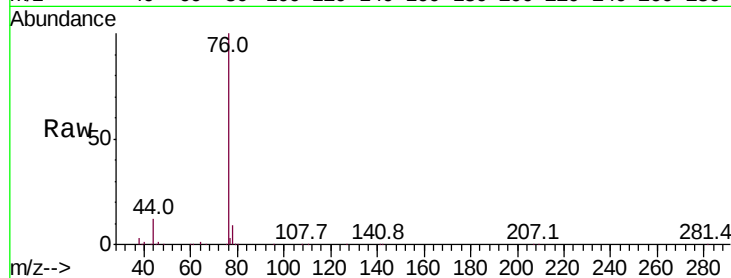




#17
Carbon Disulfide
Concen: 48.950 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

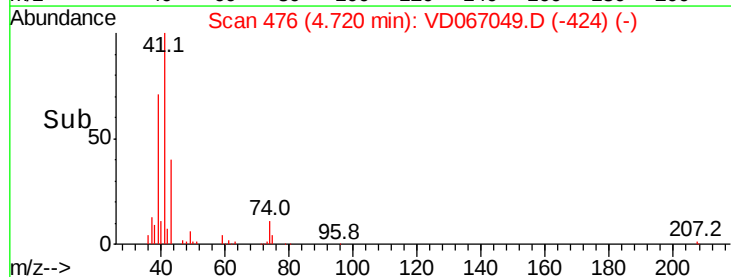
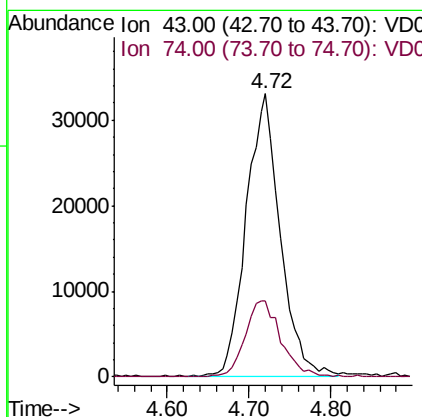
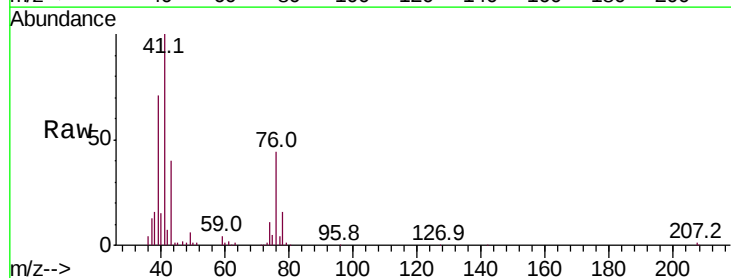
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

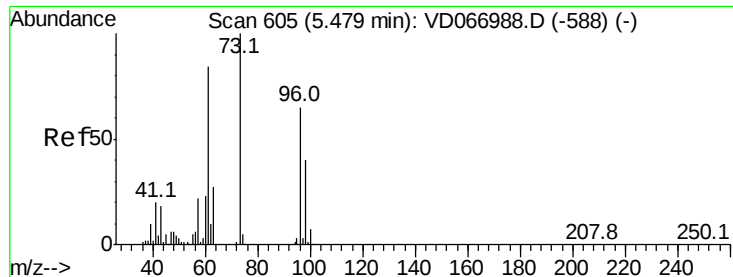
Tot Ion: 76 Resp: 652655
Ion Ratio Lower Upper
76 100
78 8.7 7.5 11.3



#18
Methyl Acetate
Concen: 56.416 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion: 43 Resp: 96083
Ion Ratio Lower Upper
43 100
74 28.3 21.5 32.3



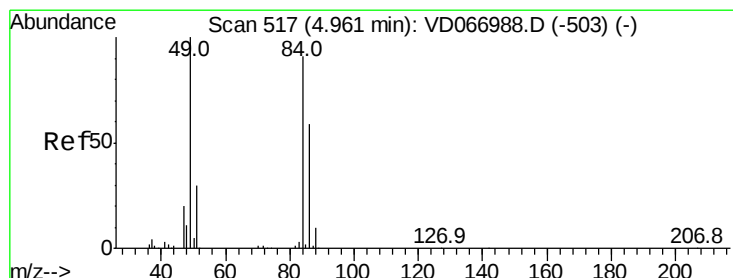
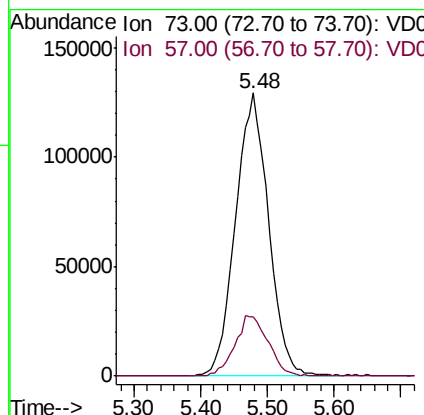
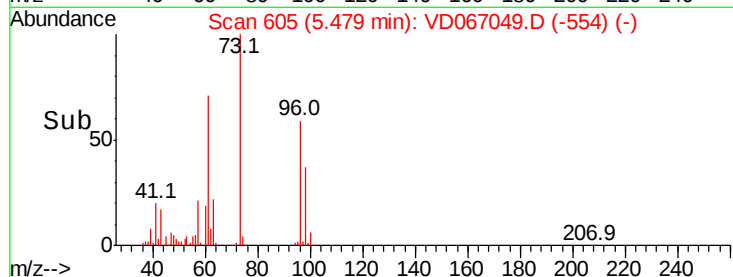
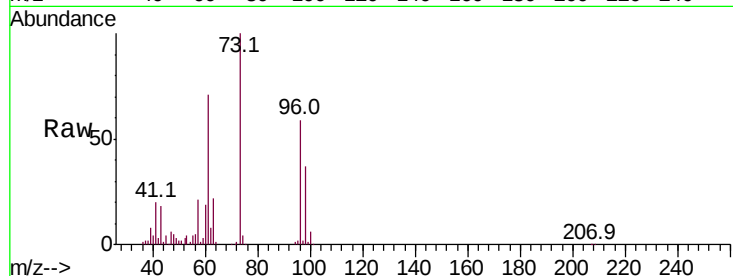


#19

Methyl tert-butyl Ether
 Concen: 55.865 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

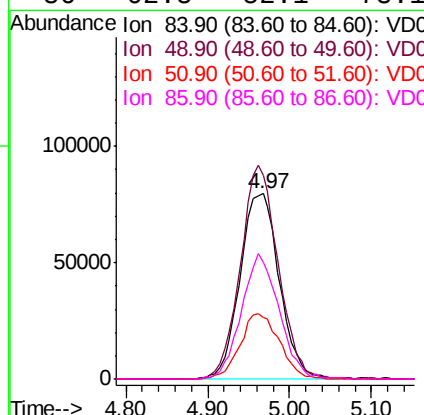
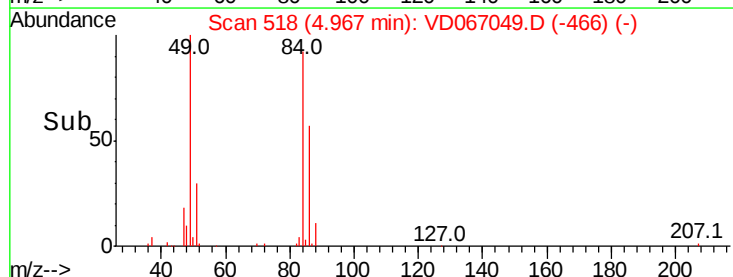
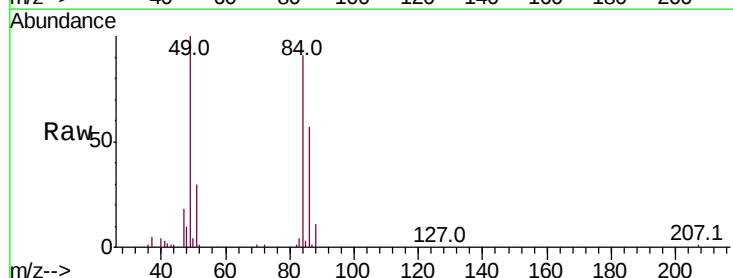
Tot Ion: 73 Resp: 443065
 Ion Ratio Lower Upper
 73 100
 57 20.8 17.4 26.0

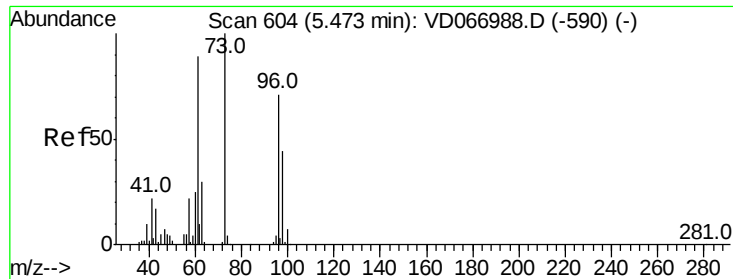


#20

Methylene Chloride
 Concen: 56.259 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

Tgt Ion: 84 Resp: 266151
 Ion Ratio Lower Upper
 84 100
 49 109.3 88.2 132.2
 51 33.1 26.6 39.8
 86 62.5 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 51.678 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

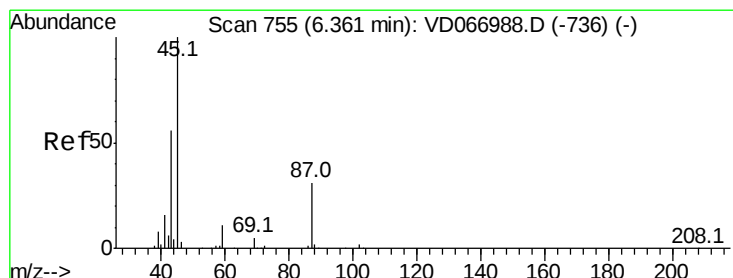
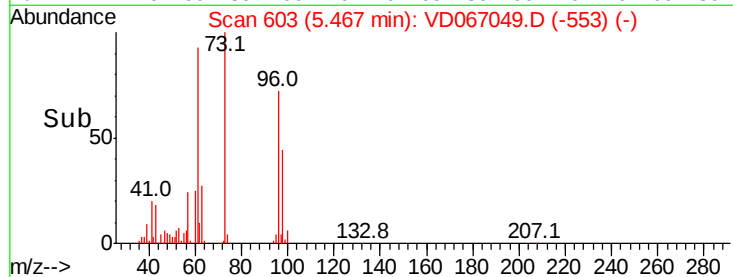
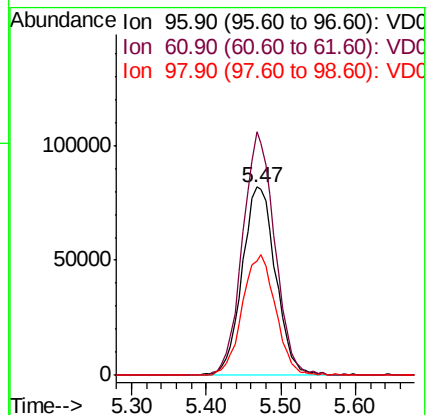
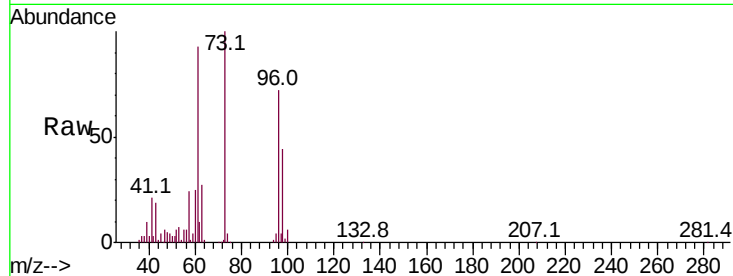
Tot Ion: 96 Resp: 255508

Ion Ratio Lower Upper

96 100

61 129.5 99.6 149.4

98 61.0 49.4 74.2



#22

Diisopropyl ether

Concen: 54.257 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Tgt Ion: 45 Resp: 559049

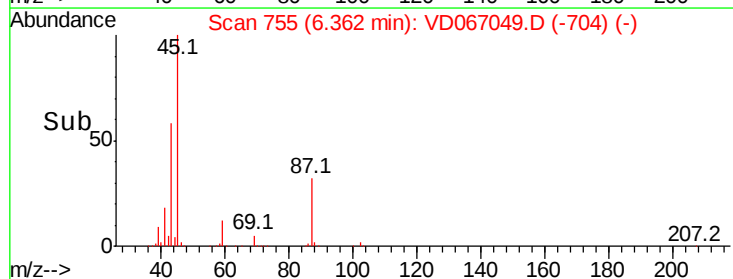
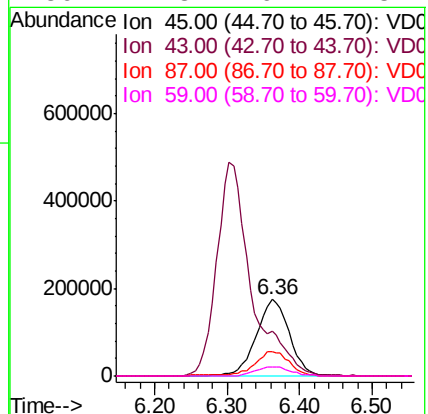
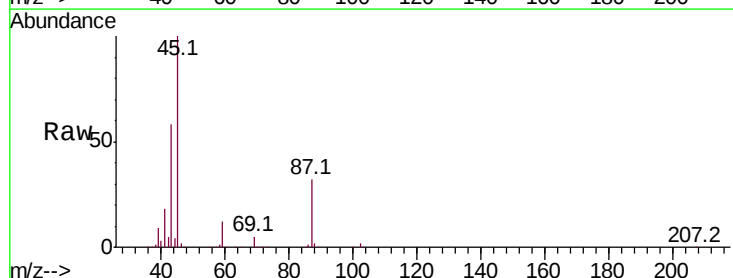
Ion Ratio Lower Upper

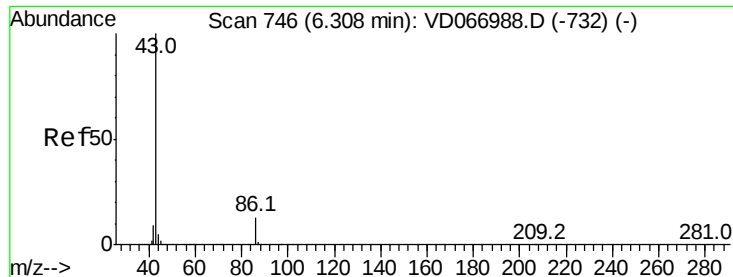
45 100

43 57.1 45.2 67.8

87 32.1 25.6 38.4

59 12.3 9.1 13.7





#23

Vinyl Acetate

Concen: 278.496 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

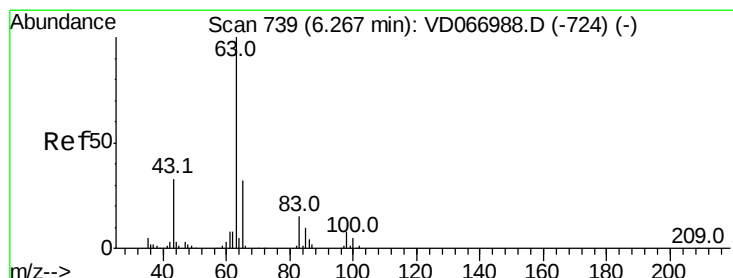
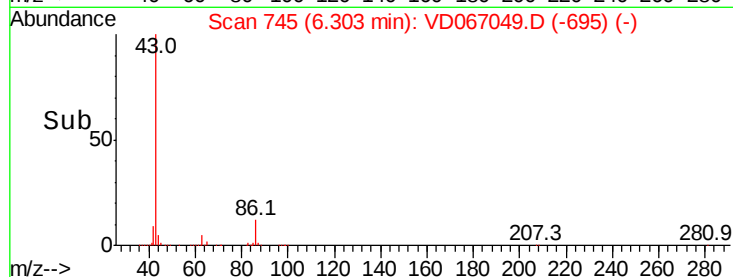
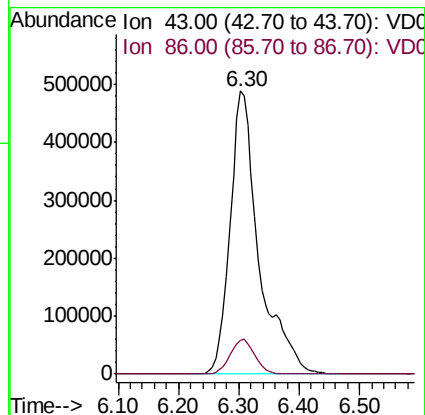
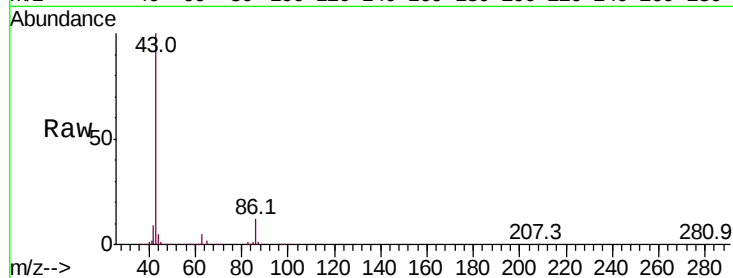
VSTDCCC050EC

Tot Ion: 43 Resp: 1626067

Ion Ratio Lower Upper

43 100

86 11.9 10.2 15.2



#24

1,1-Dichloroethane

Concen: 51.356 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

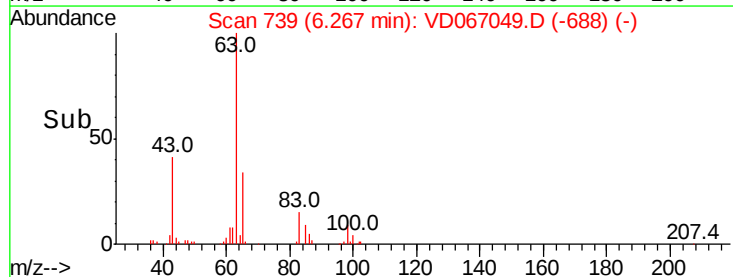
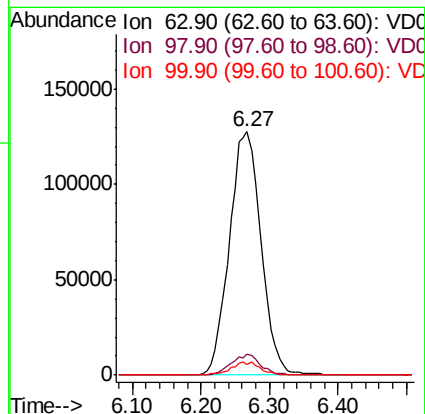
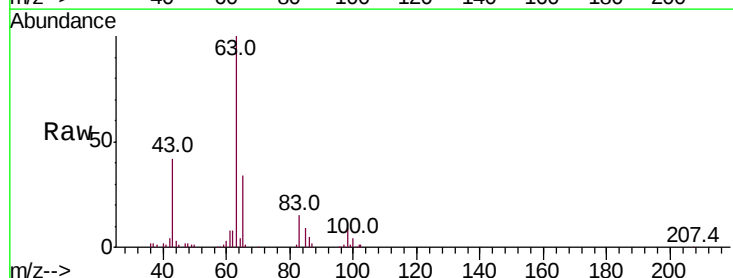
Tgt Ion: 63 Resp: 408378

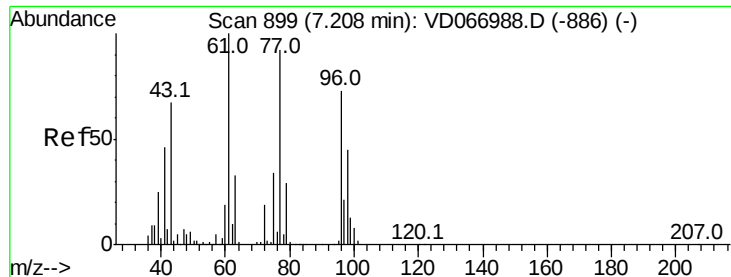
Ion Ratio Lower Upper

63 100

98 8.8 4.2 12.6

100 4.3 2.6 7.8

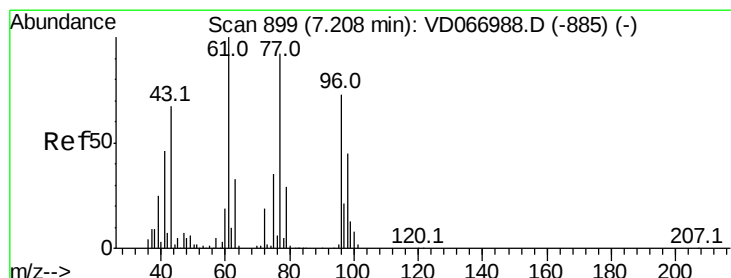
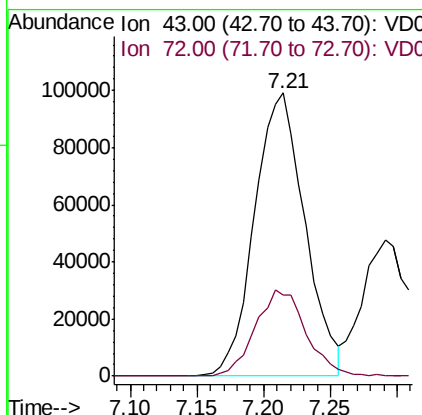
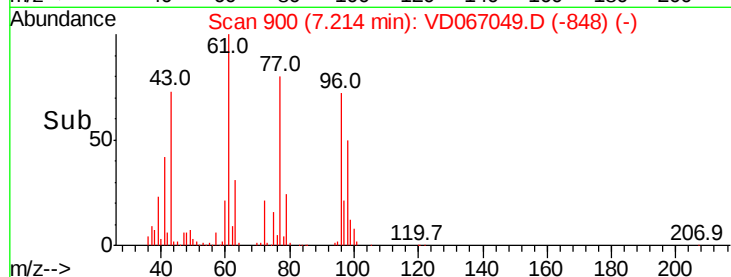
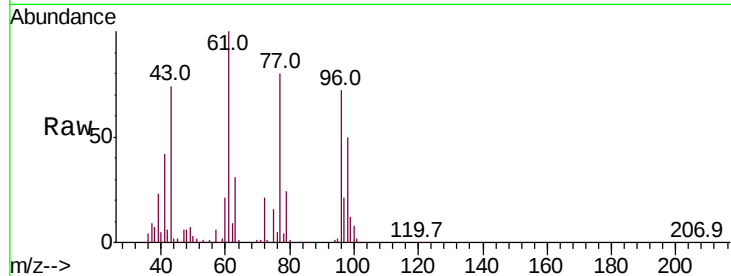




#25
2-Butanone
Concen: 270.692 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

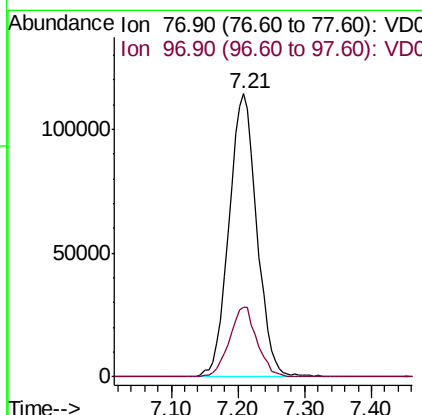
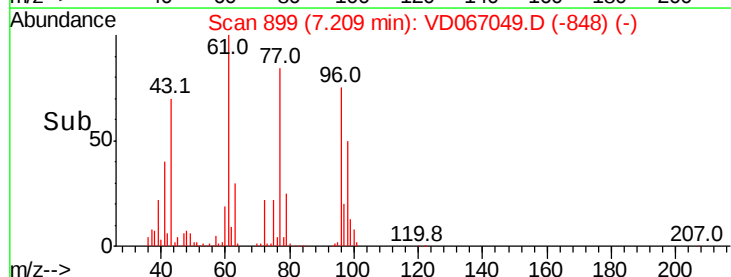
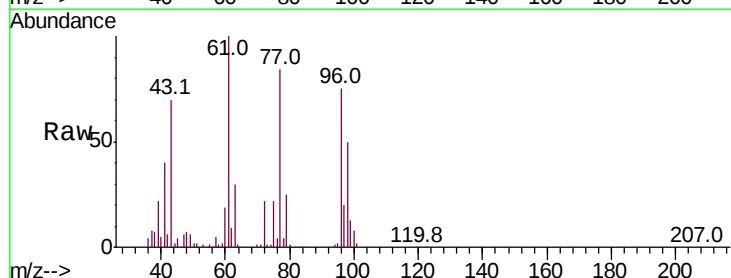
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

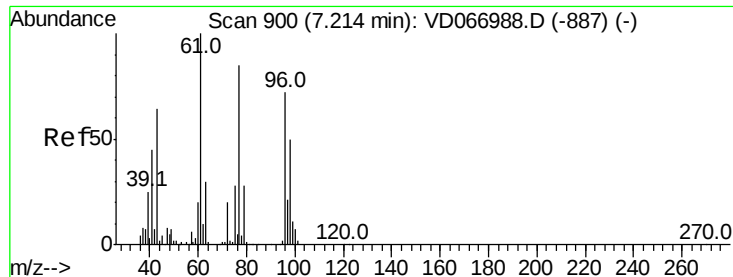
Tot Ion: 43 Resp: 260059
Ion Ratio Lower Upper
43 100
72 28.6 22.8 34.2



#26
2,2-Dichloropropane
Concen: 49.083 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion: 77 Resp: 334261
Ion Ratio Lower Upper
77 100
97 24.4 11.4 34.2



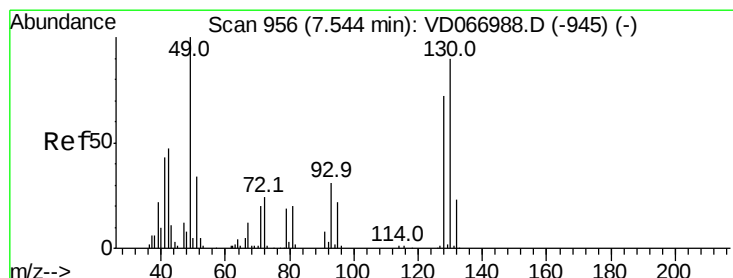
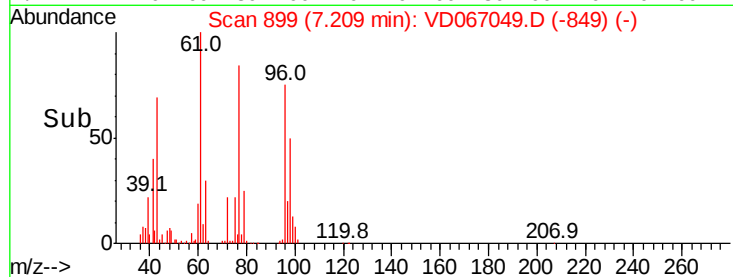
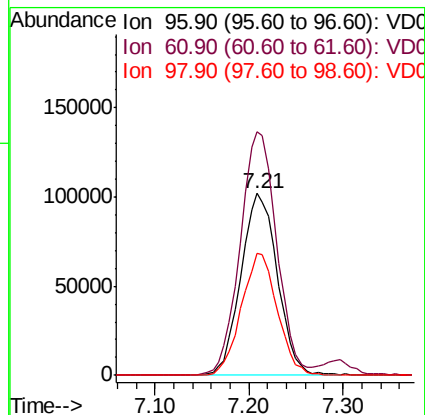
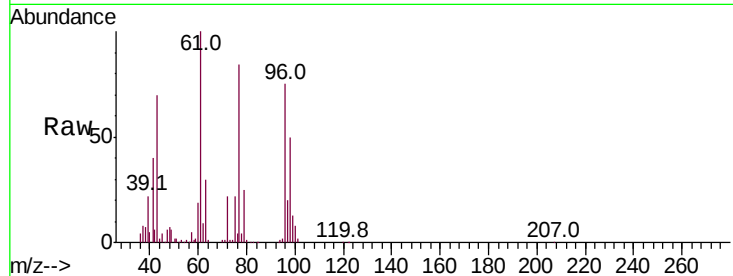


#27

cis-1,2-Dichloroethene
Concen: 52.189 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

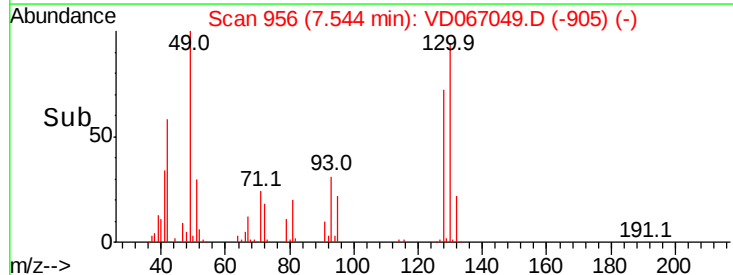
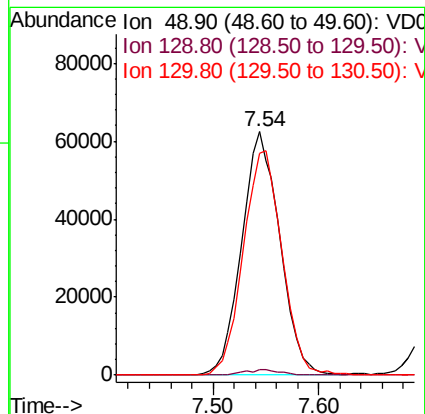
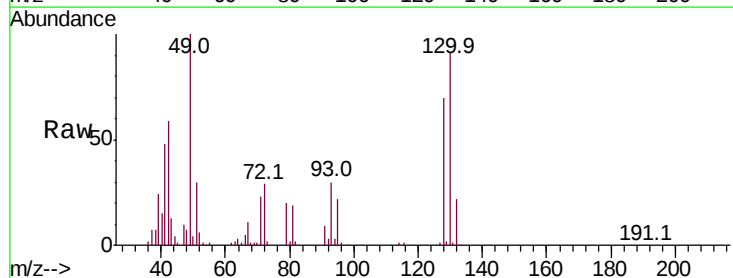
Tot Ion	Ratio	Lower	Upper
96	100		
61	133.7	0.0	269.2
98	65.7	0.0	129.4

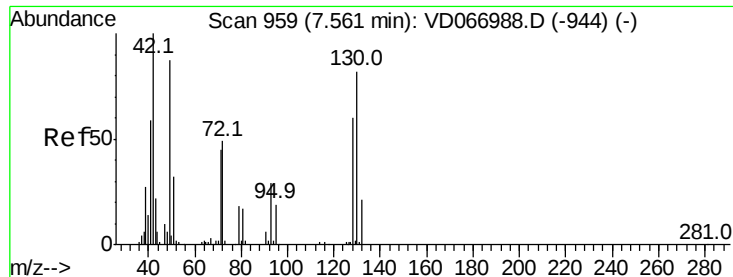


#28

Bromochloromethane
Concen: 50.922 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	93.7	74.1	111.1

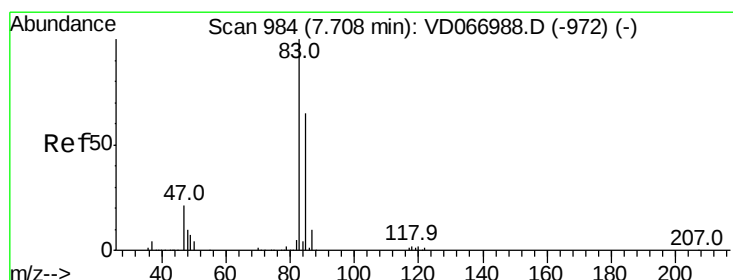
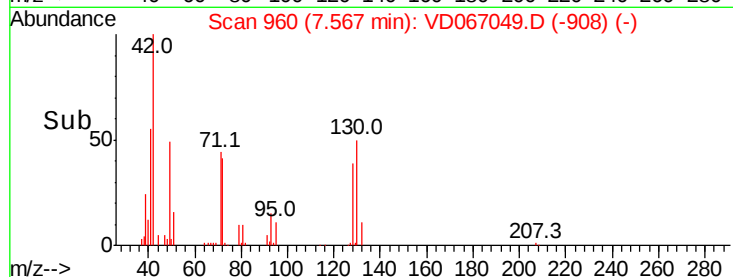
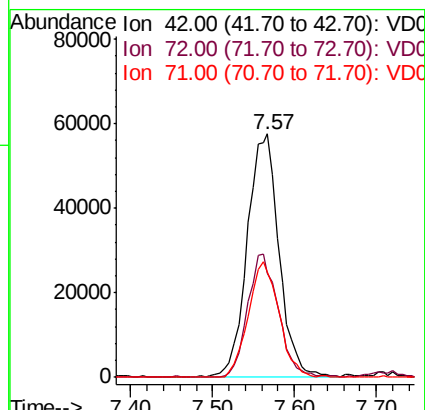
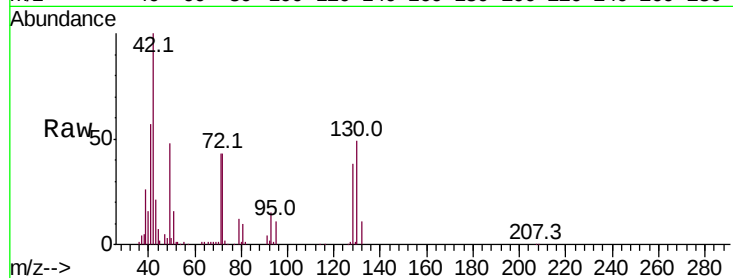




#29
Tetrahydrofuran
Concen: 282.453 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

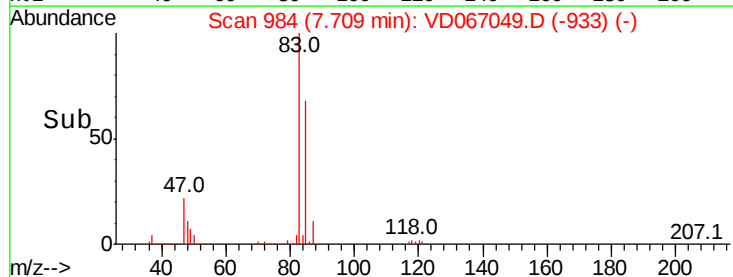
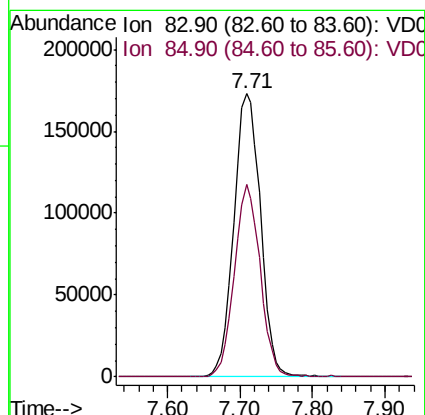
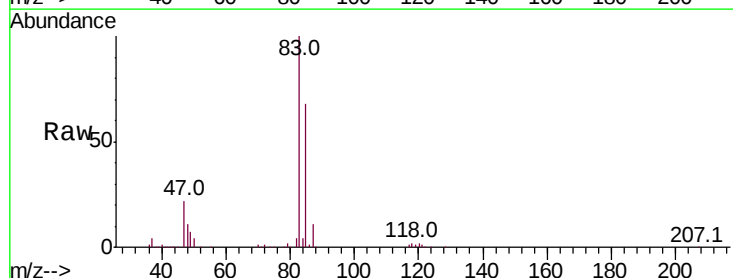
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

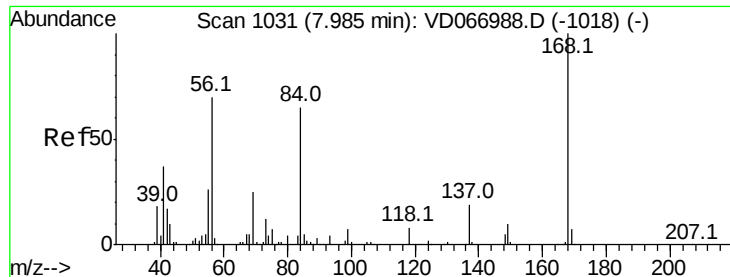
Tot Ion: 42 Resp: 156029
Ion Ratio Lower Upper
42 100
72 48.9 39.1 58.7
71 45.8 34.2 51.4



#30
Chloroform
Concen: 51.407 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion: 83 Resp: 443440
Ion Ratio Lower Upper
83 100
85 67.9 52.3 78.5

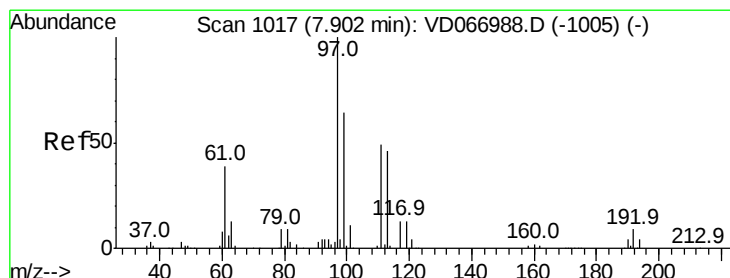
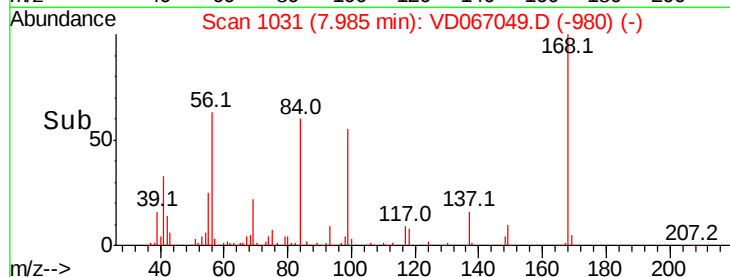
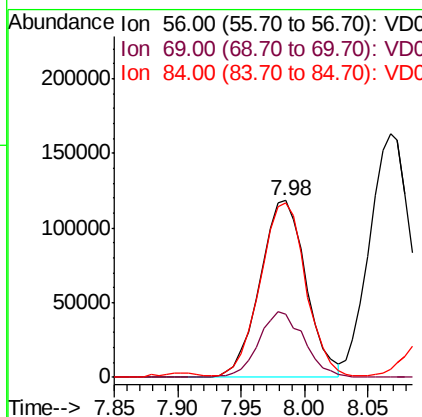
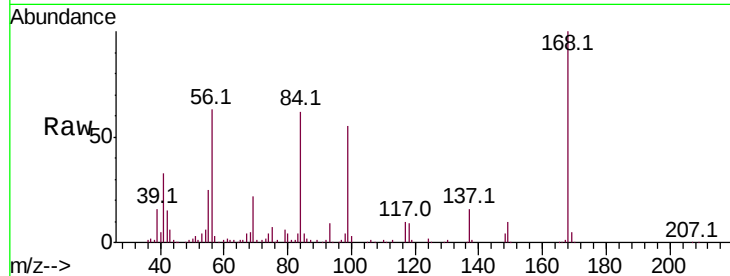




#31
Cyclohexane
Concen: 45.052 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

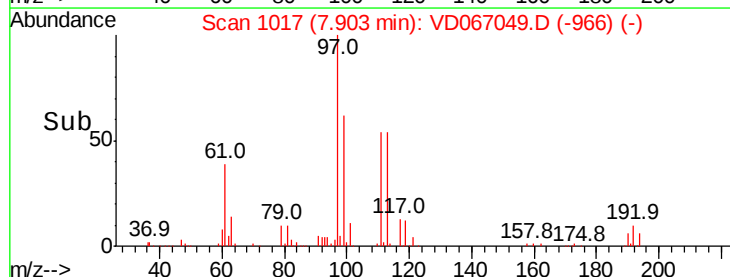
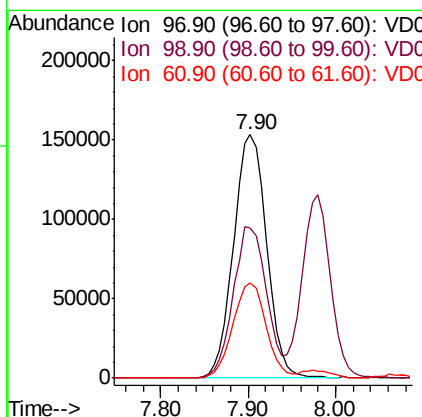
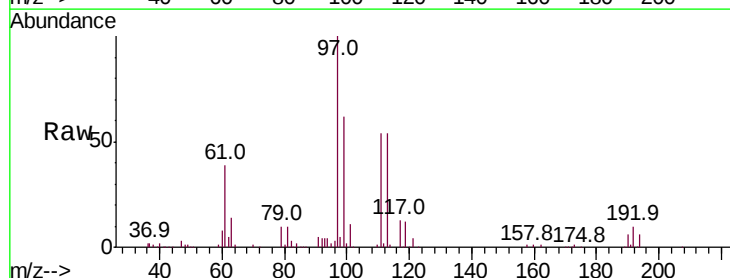
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

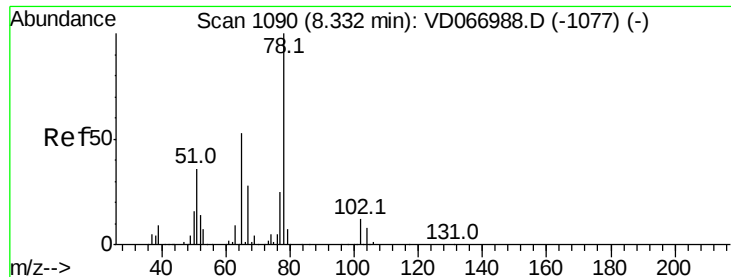
Tot Ion: 56 Resp: 300340
Ion Ratio Lower Upper
56 100
69 35.8 29.0 43.6
84 96.1 74.2 111.2



#32
1,1,1-Trichloroethane
Concen: 49.211 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion: 97 Resp: 393407
Ion Ratio Lower Upper
97 100
99 62.3 52.6 78.8
61 39.3 32.8 49.2





#33

1,2-Dichloroethane-d4

Concen: 53.373 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

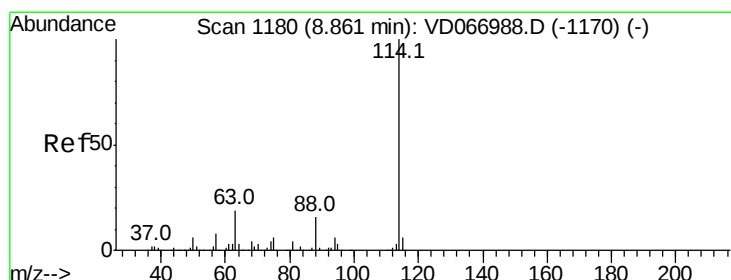
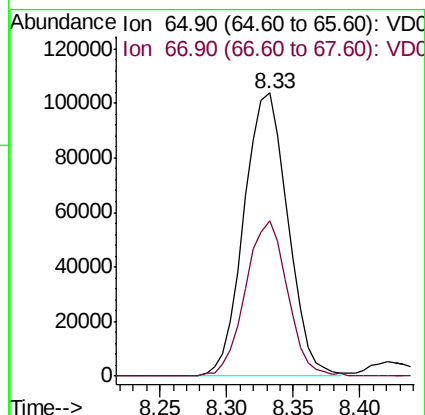
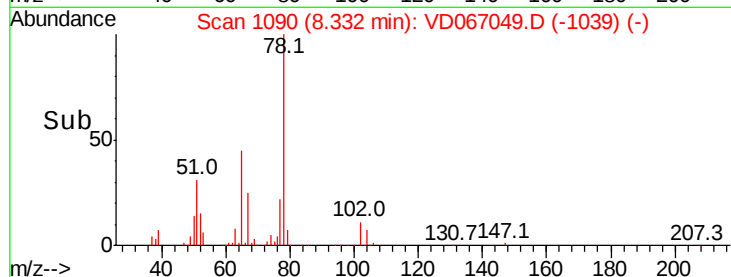
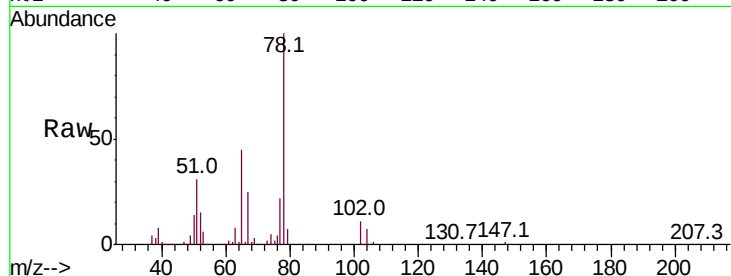
VSTDCCC050EC

Tot Ion: 65 Resp: 236929

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

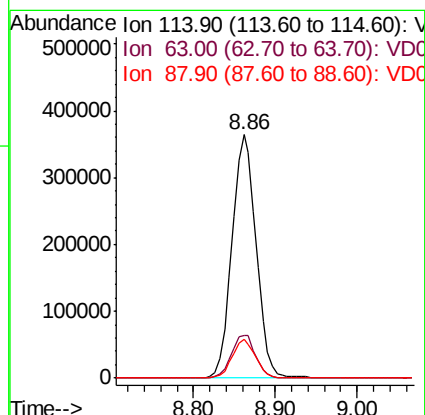
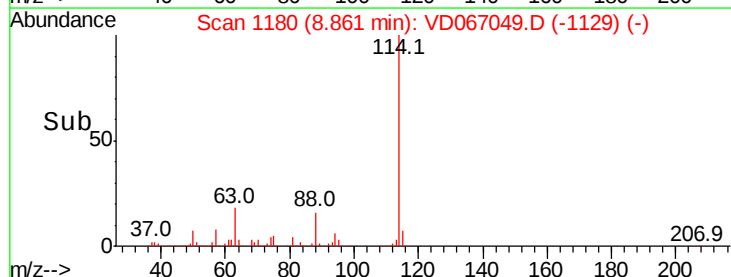
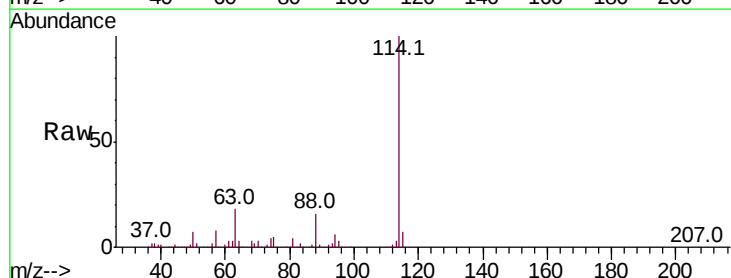
Tgt Ion: 114 Resp: 748498

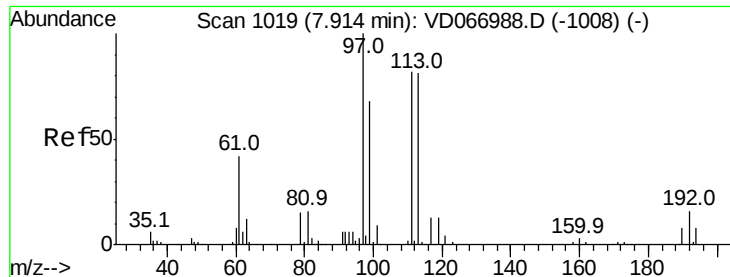
Ion Ratio Lower Upper

114 100

63 17.7 0.0 38.4

88 15.7 0.0 31.2

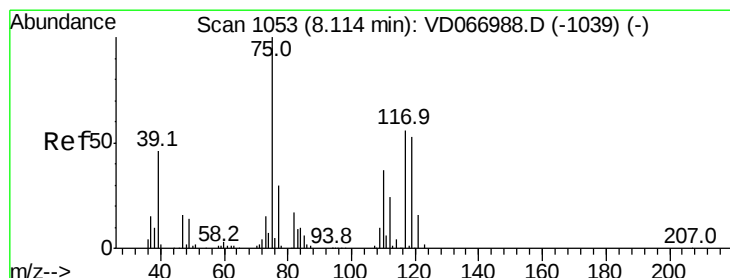
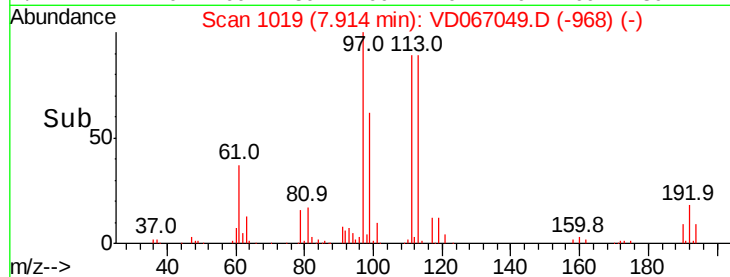
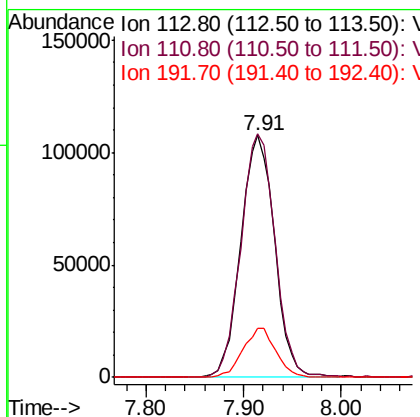
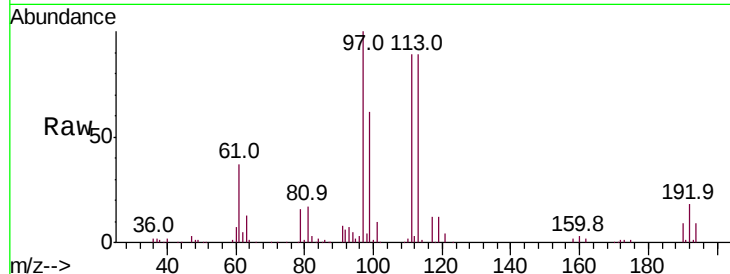




#35
 Dibromofluoromethane
 Concen: 52.847 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

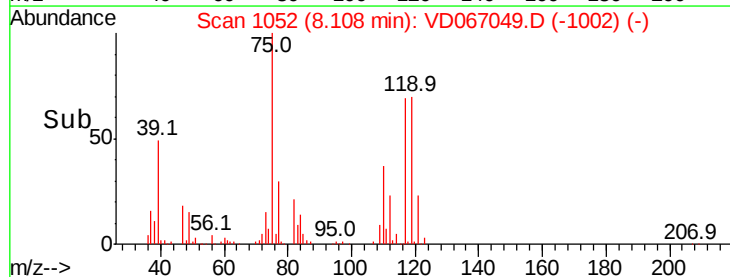
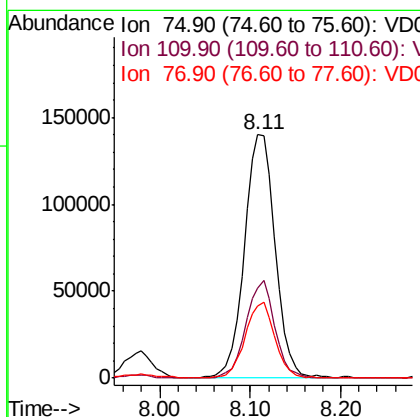
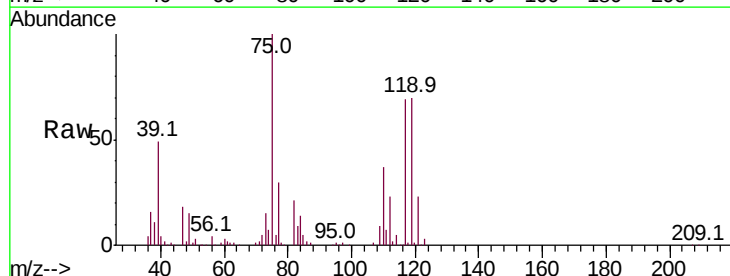
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

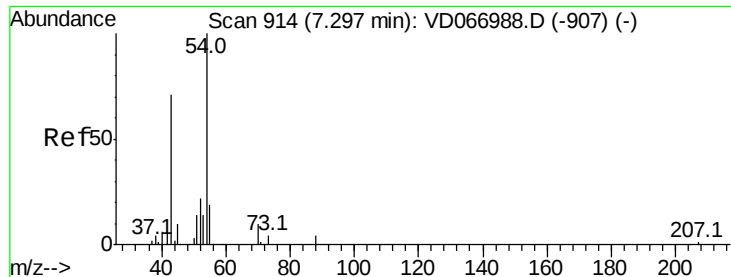
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.0	124.4
192	19.7	15.5	23.3



#36
 1,1-Dichloropropene
 Concen: 46.869 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.9	18.4	55.0
77	30.5	24.8	37.2

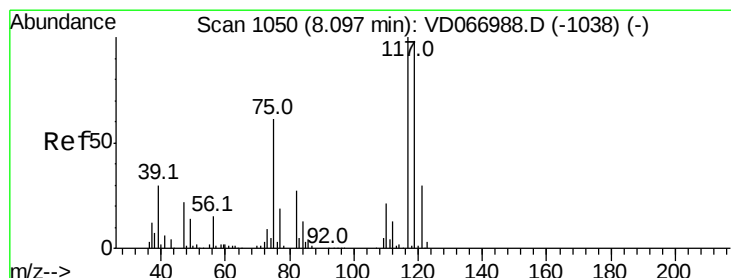
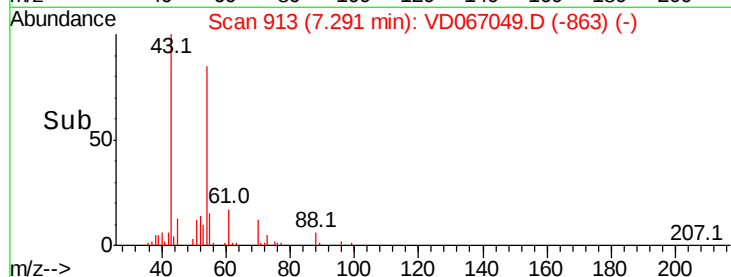
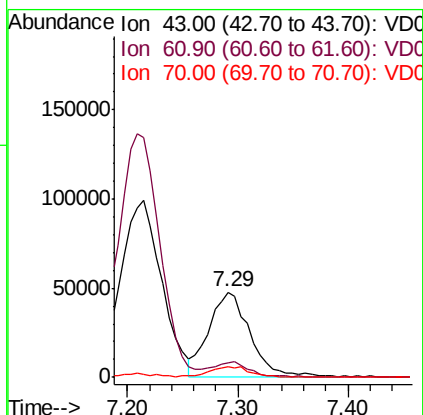
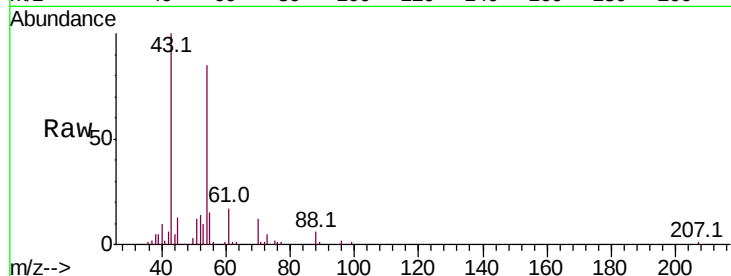




#37
Ethyl Acetate
Concen: 51.066 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

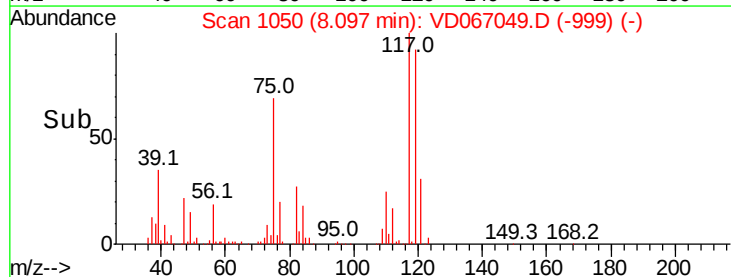
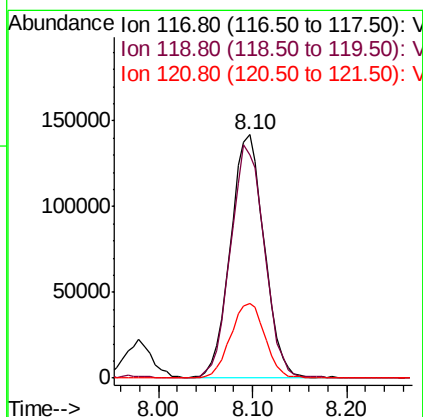
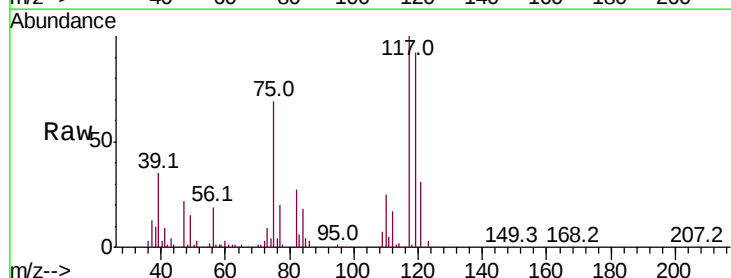
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

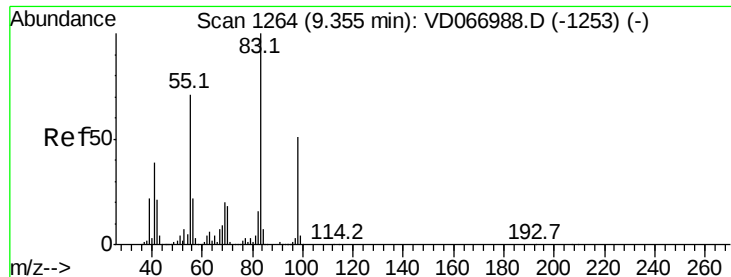
Tot Ion: 43 Resp: 123425
Ion Ratio Lower Upper
43 100
61 15.2 12.5 18.7
70 12.2 9.4 14.0



#38
Carbon Tetrachloride
Concen: 46.835 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion: 117 Resp: 353551
Ion Ratio Lower Upper
117 100
119 92.1 78.7 118.1
121 30.7 24.2 36.2

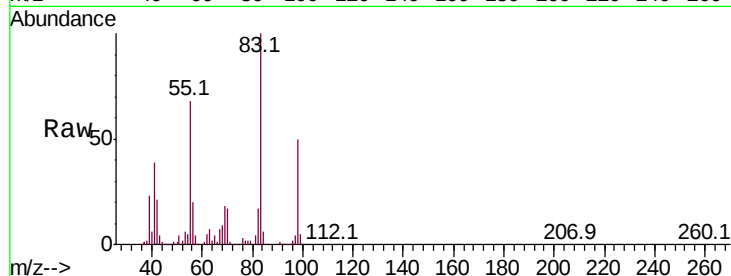




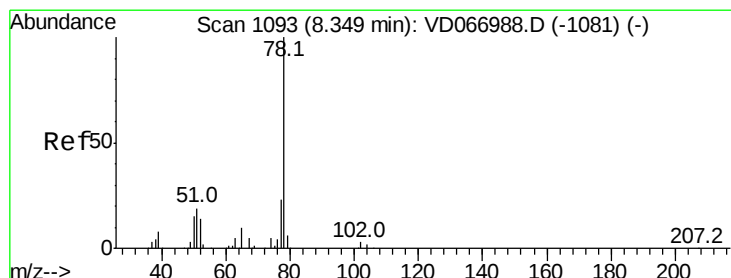
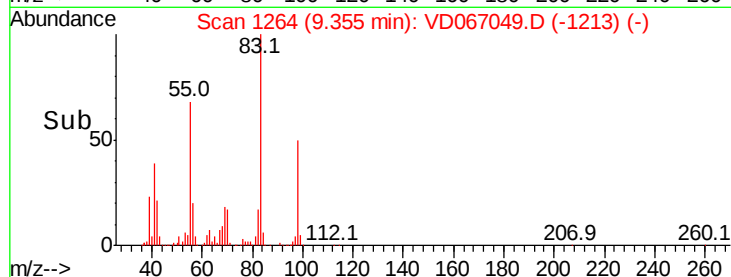
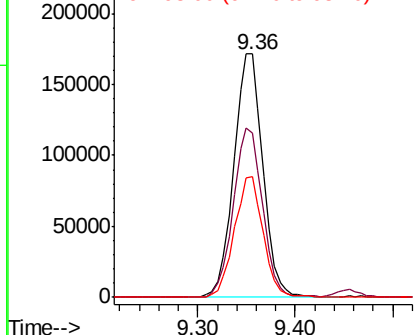
#39
Methylvlcvclohexane
Concen: 48.145 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 355126
Ion Ratio Lower Upper
83 100
55 67.6 57.1 85.7
98 49.6 40.9 61.3

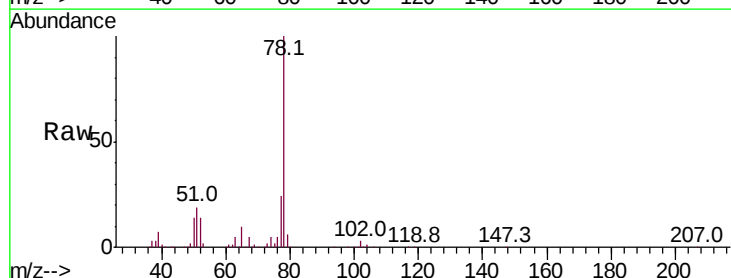


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

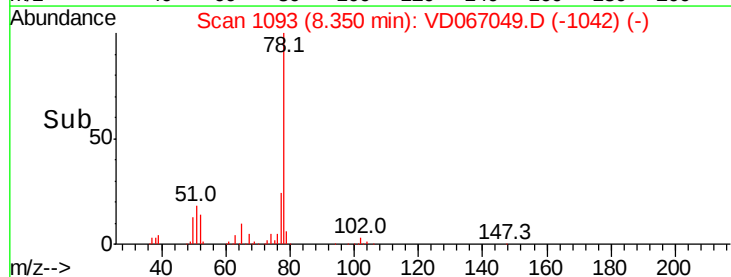
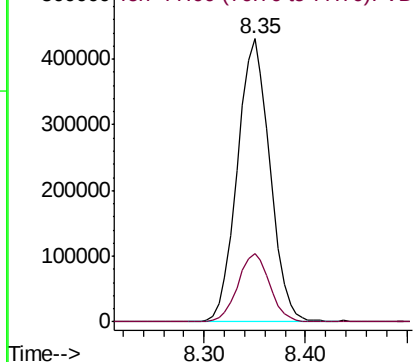


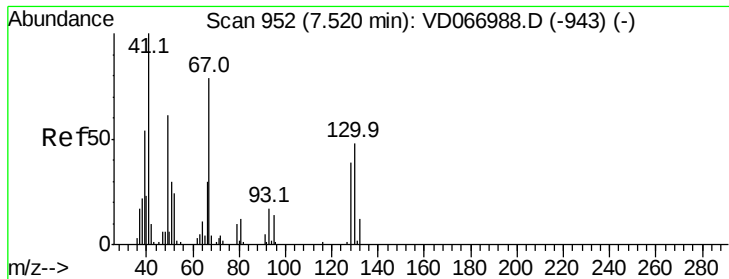
#40
Benzene
Concen: 49.628 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion: 78 Resp: 961720
Ion Ratio Lower Upper
78 100
77 23.9 18.4 27.6



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

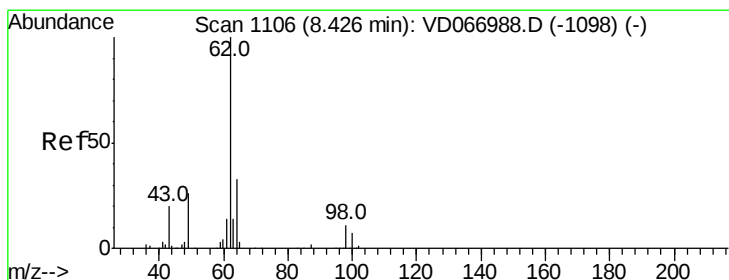
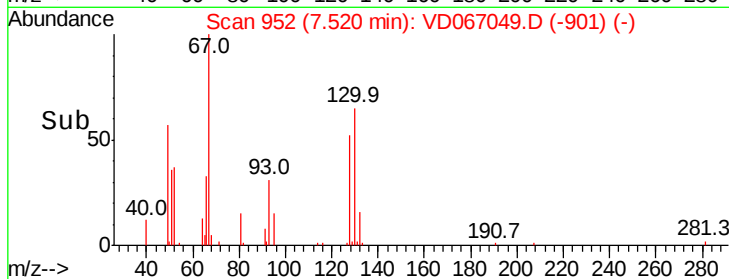
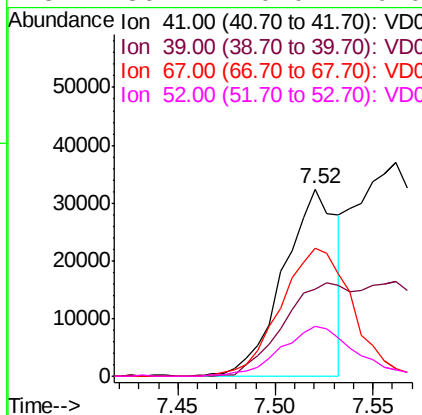
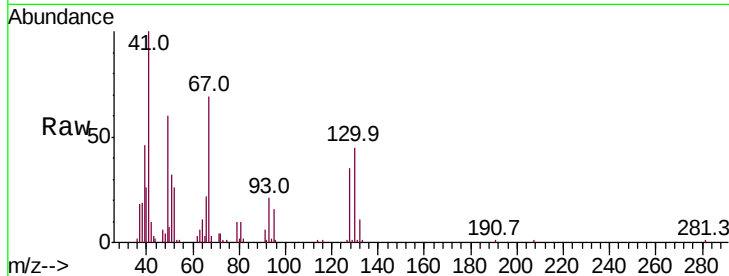




#41
Methacrylonitrile
Concen: 47.435 ug/l
RT: 7.52 min Scan# 952
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

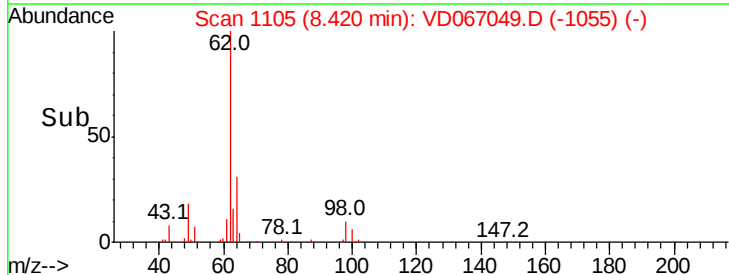
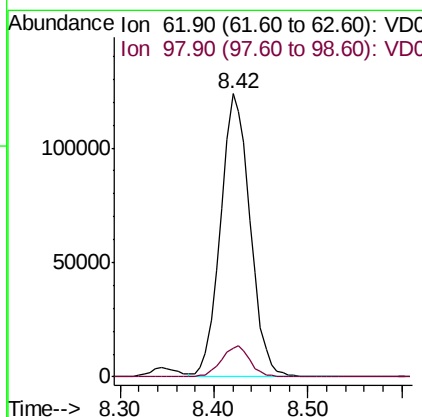
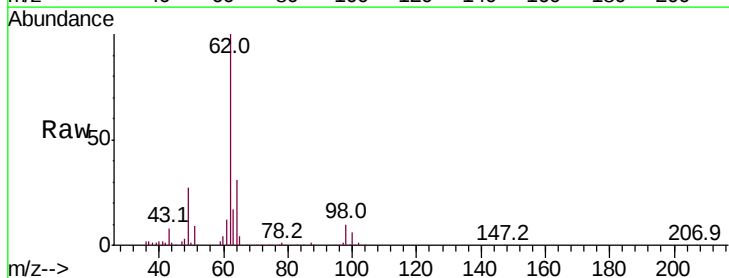
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

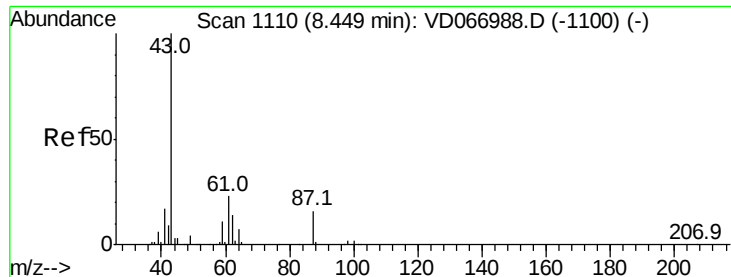
Tot Ion: 41 Resp: 61938
Ion Ratio Lower Upper
41 100
39 61.5 0.0 0.0#
67 91.6 0.0 0.0#
52 36.2 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 50.044 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion: 62 Resp: 270986
Ion Ratio Lower Upper
62 100
98 10.6 0.0 22.6





#43

Isopropyl Acetate

Concen: 52.063 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

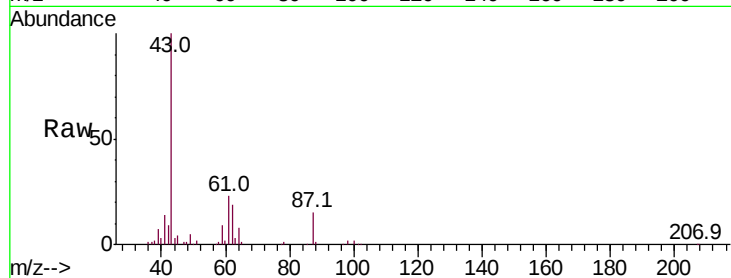
Tot Ion: 43 Resp: 231816

Ion Ratio Lower Upper

43 100

61 34.0 27.1 40.7

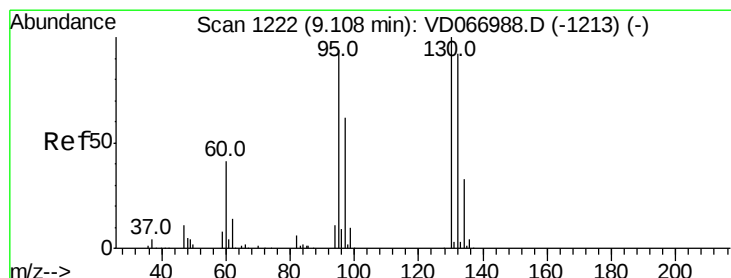
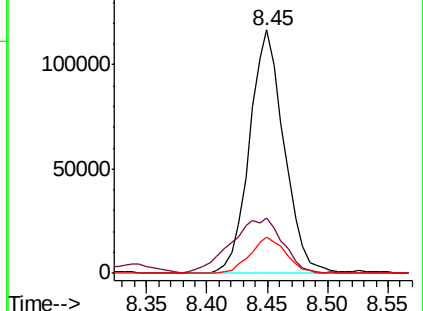
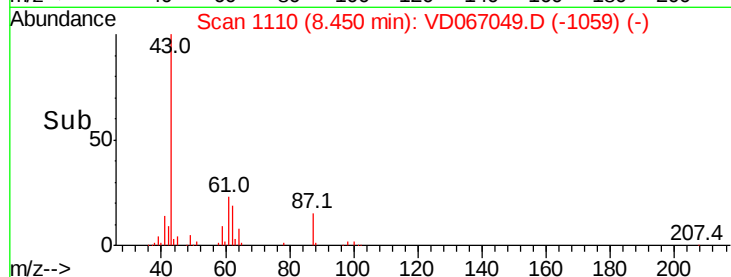
87 15.2 12.3 18.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 48.347 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD067049.D

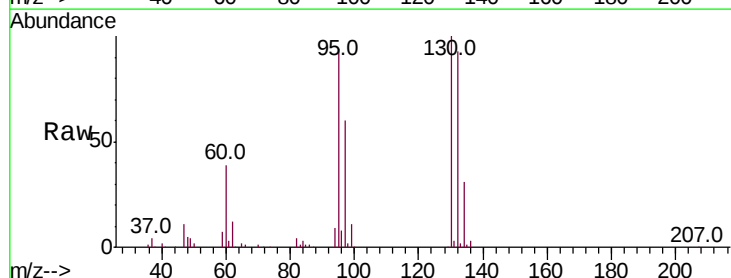
Acq: 02 Oct 2020 21:27

Tgt Ion:130 Resp: 279767

Ion Ratio Lower Upper

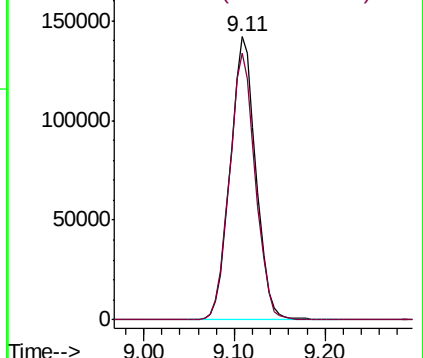
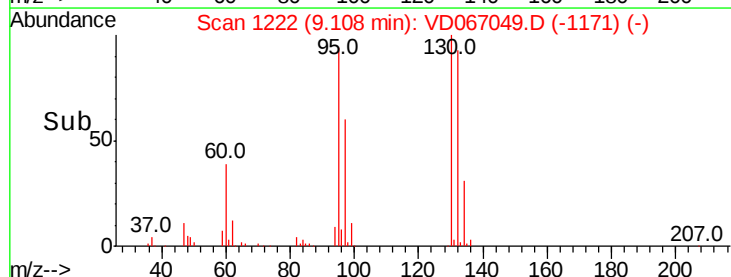
130 100

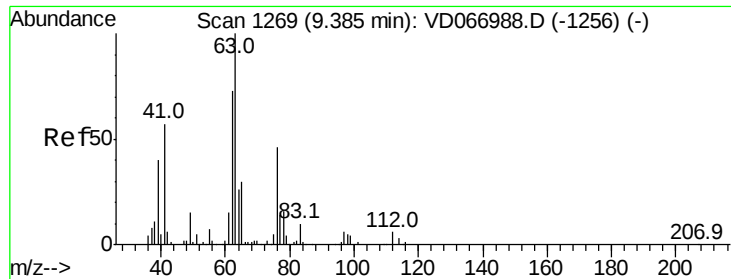
95 94.4 0.0 187.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 50.688 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

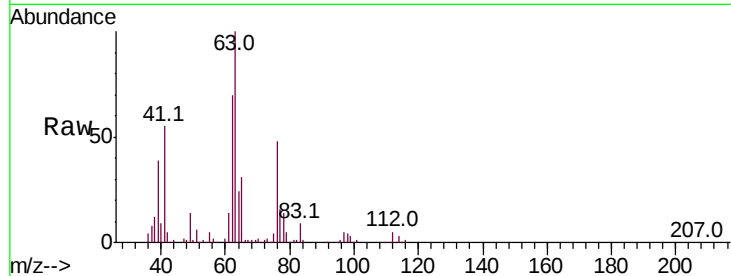
VSTDCCC050EC

Tot Ion: 63 Resp: 230793

Ion Ratio Lower Upper

63 100

65 31.1 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

120000

100000

80000

60000

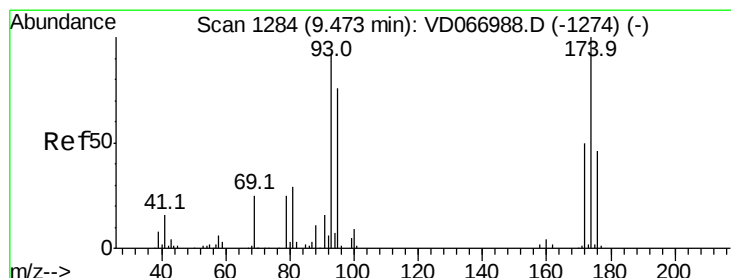
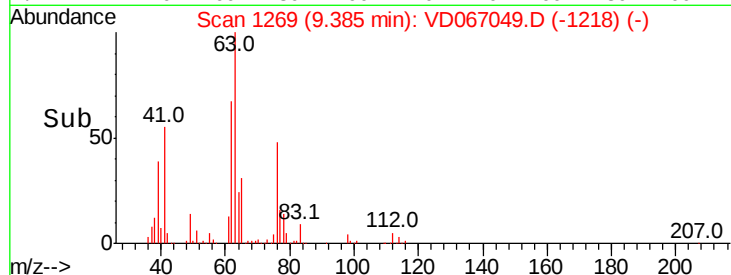
40000

20000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 52.207 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

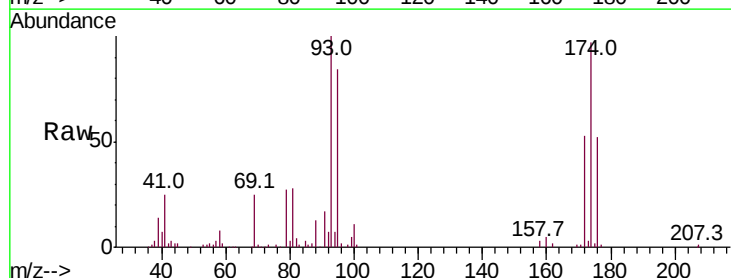
Tgt Ion: 93 Resp: 136625

Ion Ratio Lower Upper

93 100

95 81.8 64.7 97.1

174 101.8 81.4 122.2



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

80000

60000

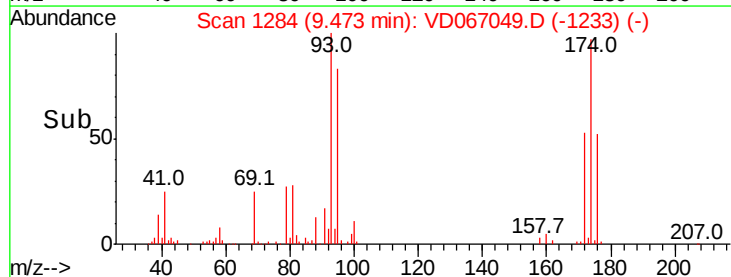
40000

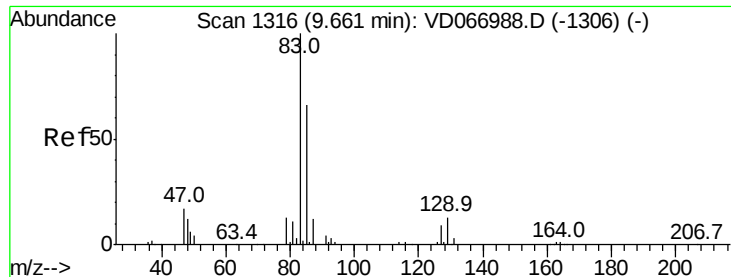
20000

0

9.40 9.50 9.60

Time-->





#47

Bromodichloromethane

Concen: 51.044 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

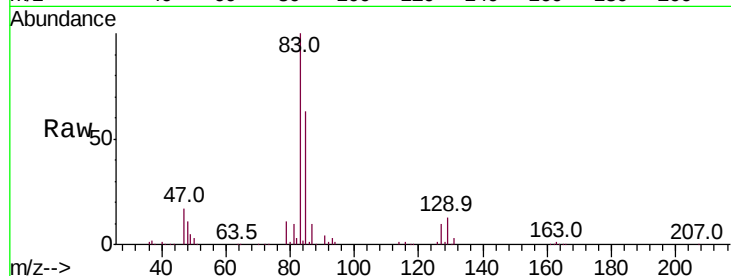
Tot Ion: 83 Resp: 347234

Ion Ratio Lower Upper

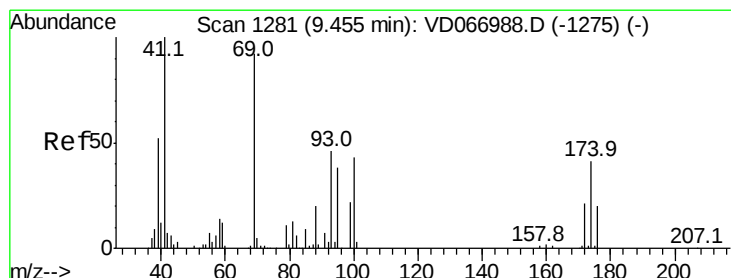
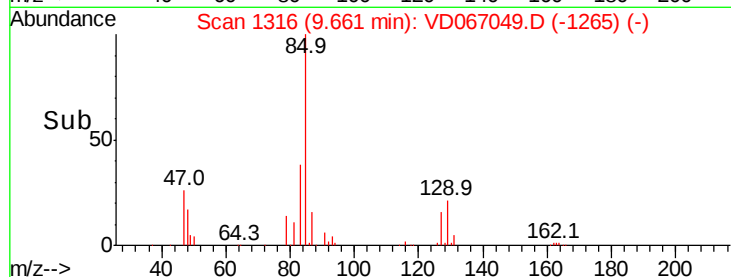
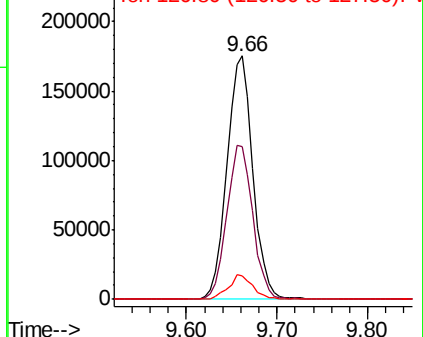
83 100

85 63.0 52.9 79.3

127 9.8 7.3 10.9



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



#48

Methyl methacrylate

Concen: 48.769 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

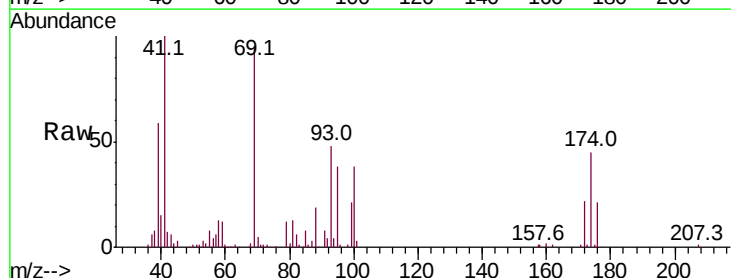
Tgt Ion: 41 Resp: 111248

Ion Ratio Lower Upper

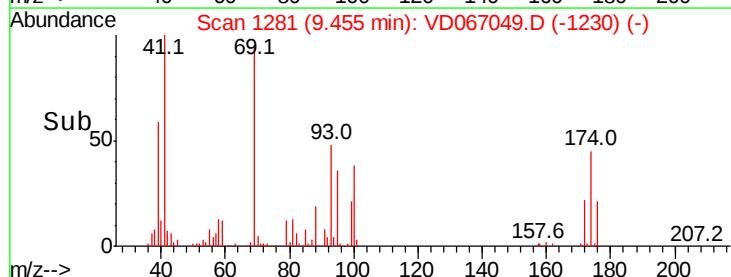
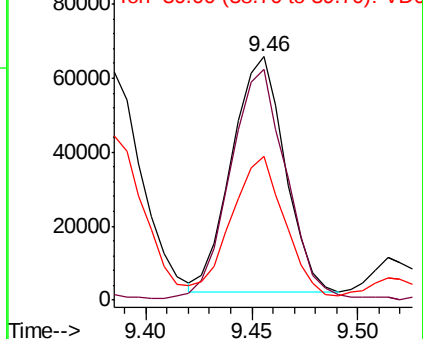
41 100

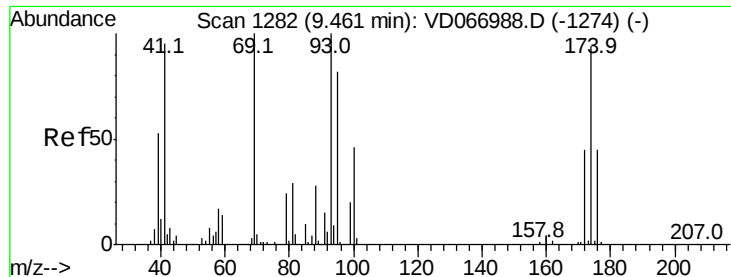
69 104.8 68.5 102.7#

39 62.7 40.2 60.2#



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





#49

1,4-Dioxane

Concen: 1073.674 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

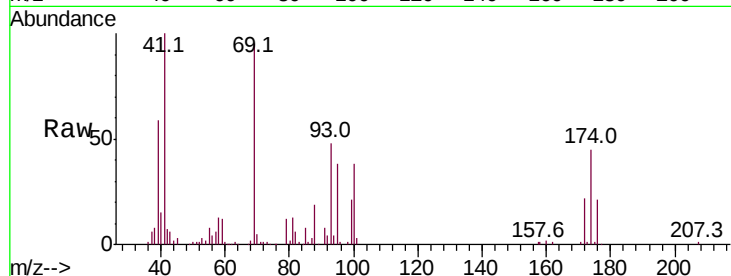
Tot Ion: 88 Resp: 29325

Ion Ratio Lower Upper

88 100

43 29.8 25.6 38.4

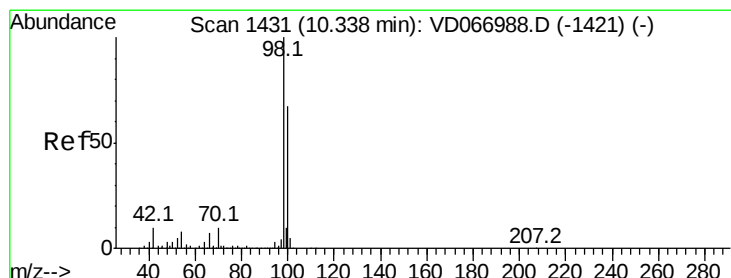
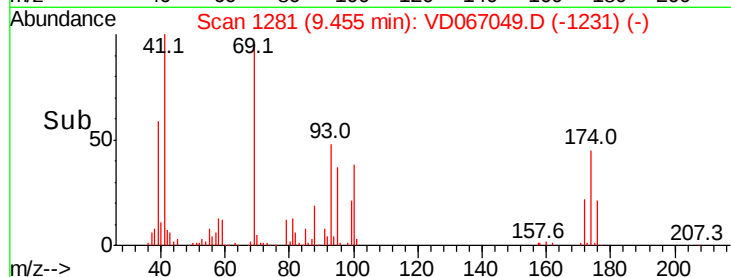
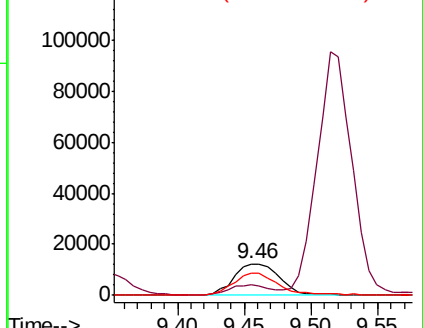
58 71.6 53.5 80.3



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 52.333 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067049.D

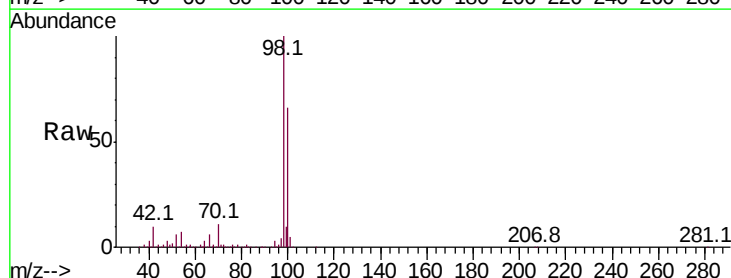
Acq: 02 Oct 2020 21:27

Tgt Ion: 98 Resp: 934454

Ion Ratio Lower Upper

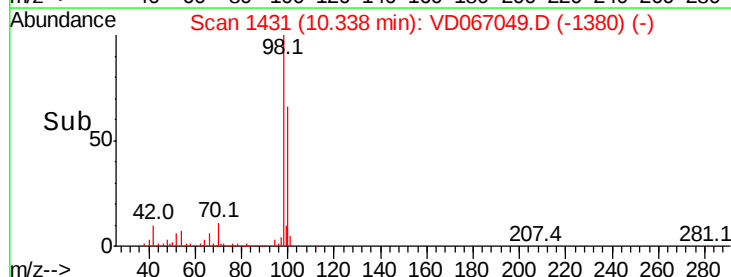
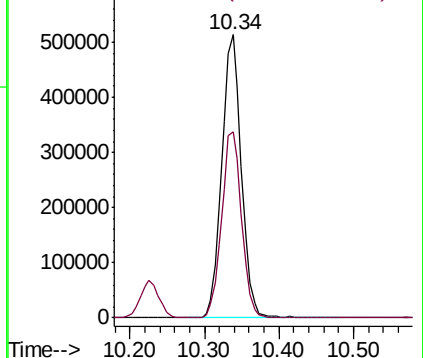
98 100

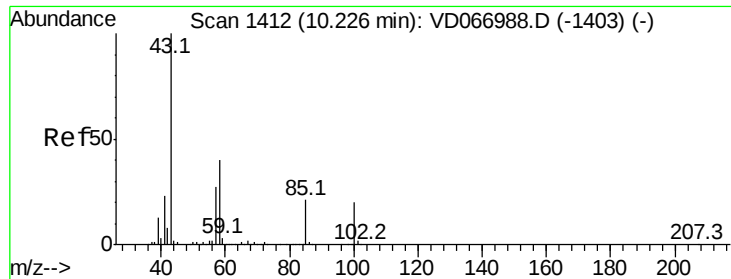
100 67.3 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 269.343 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

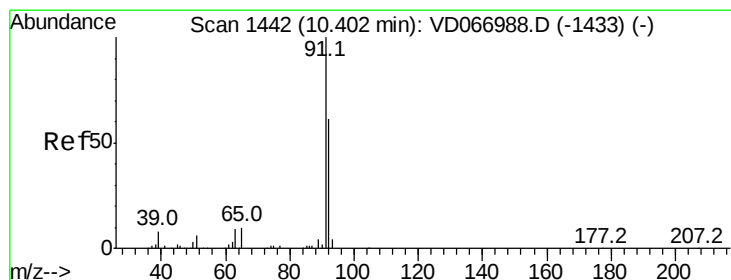
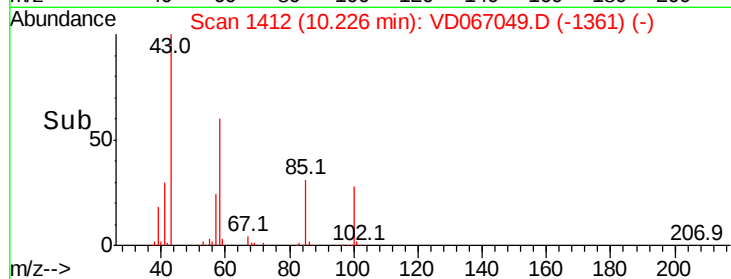
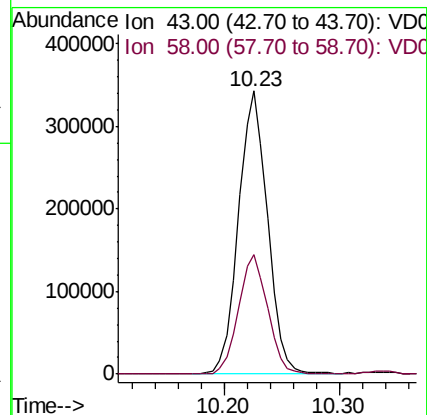
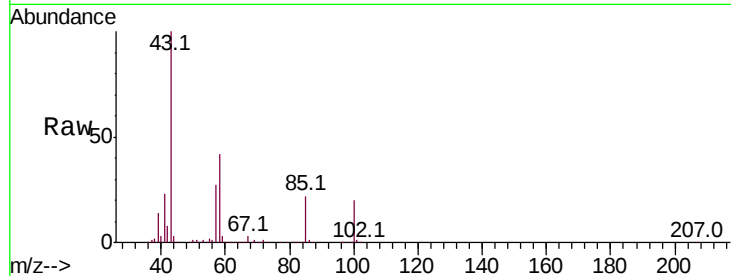
VSTDCCC050EC

Tot Ion: 43 Resp: 597353

Ion Ratio Lower Upper

43 100

58 42.3 33.8 50.8



#52

Toluene

Concen: 50.649 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD067049.D

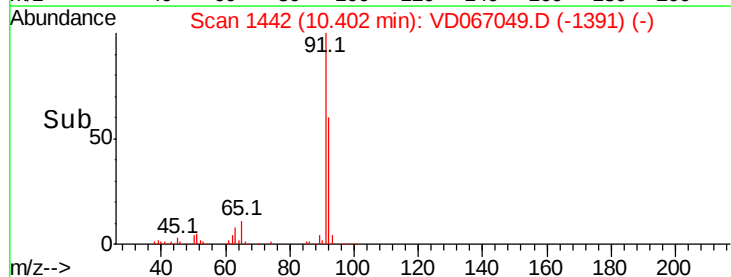
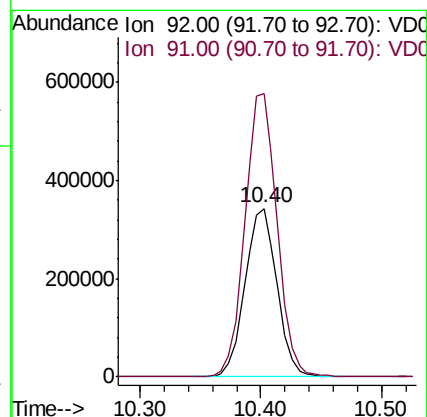
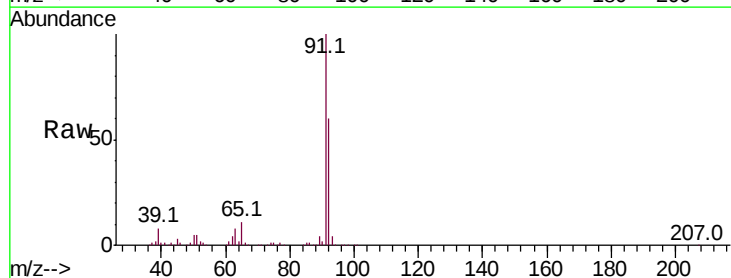
Acq: 02 Oct 2020 21:27

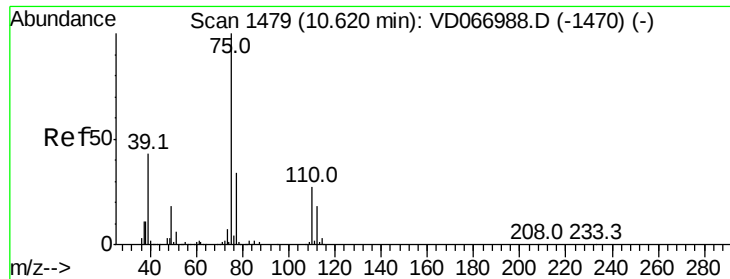
Tgt Ion: 92 Resp: 632259

Ion Ratio Lower Upper

92 100

91 169.0 135.1 202.7





#53

t-1,3-Dichloropropene

Concen: 50.985 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

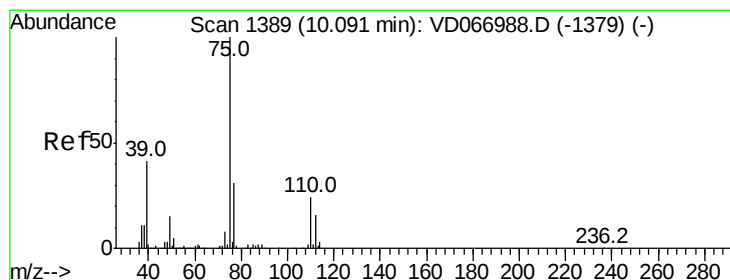
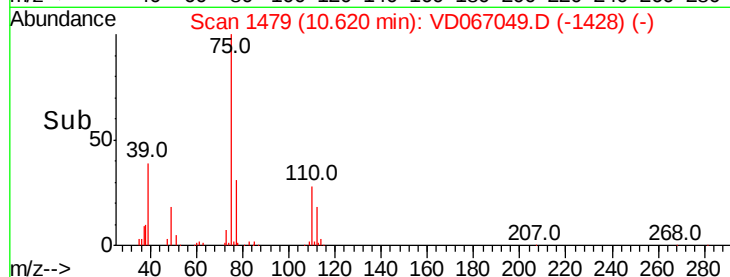
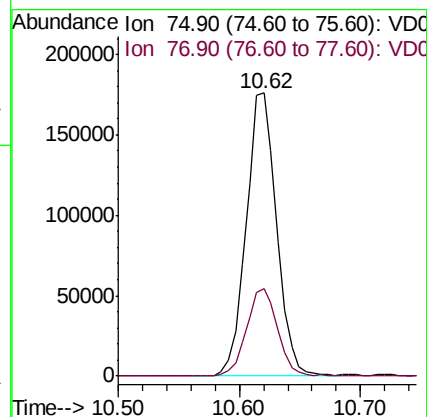
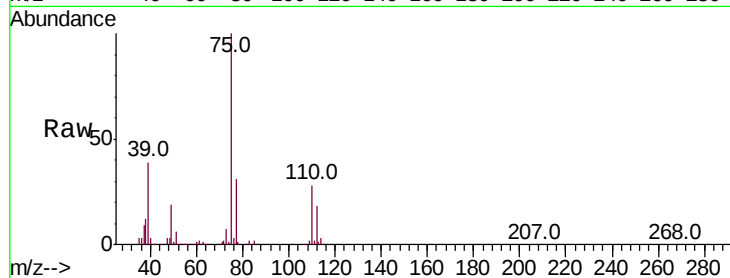
VSTDCCC050EC

Tot Ion: 75 Resp: 309978

Ion Ratio Lower Upper

75 100

77 31.1 27.1 40.7



#54

cis-1,3-Dichloropropene

Concen: 50.187 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.01 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

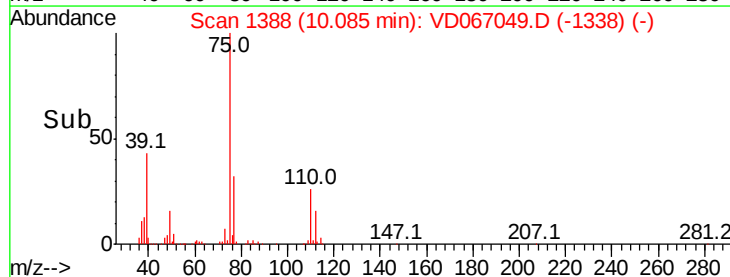
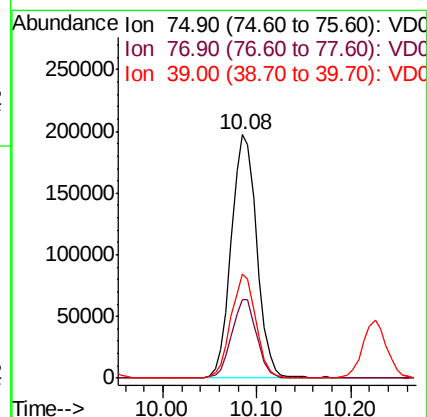
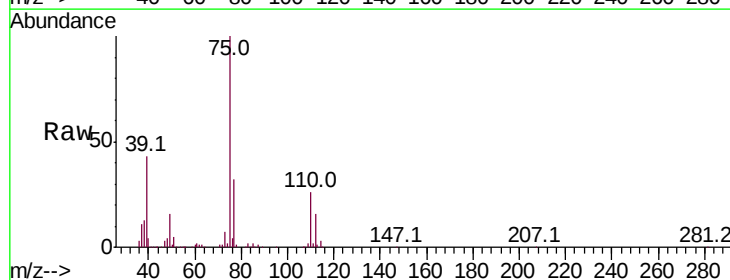
Tgt Ion: 75 Resp: 372594

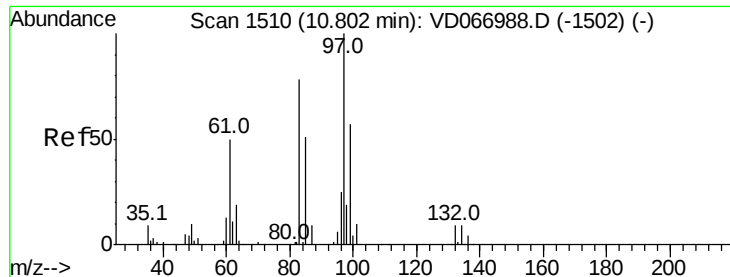
Ion Ratio Lower Upper

75 100

77 32.5 24.6 37.0

39 42.5 33.0 49.4

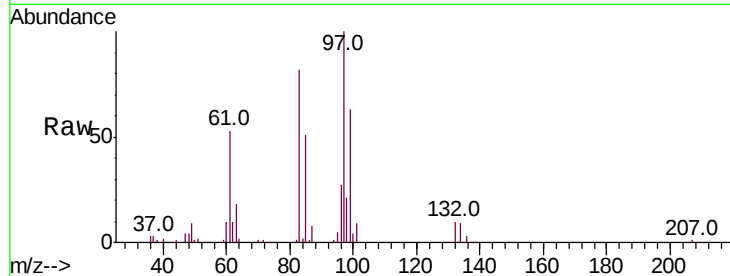




#55
 1,1,2-Trichloroethane
 Concen: 50.300 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	183010
Ion	Ratio	Lower	Upper
97	100		
83	82.1	62.4	93.6
85	51.5	41.0	61.4
99	63.0	45.9	68.9



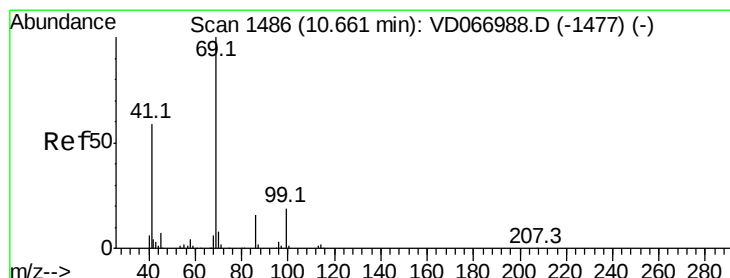
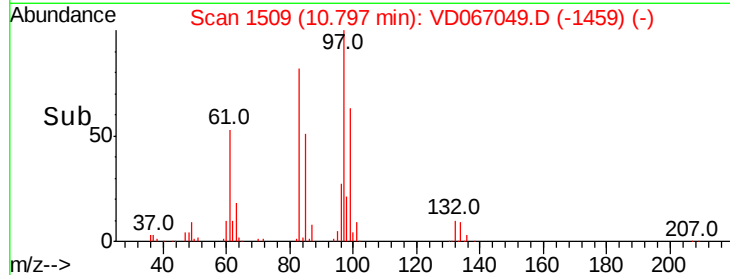
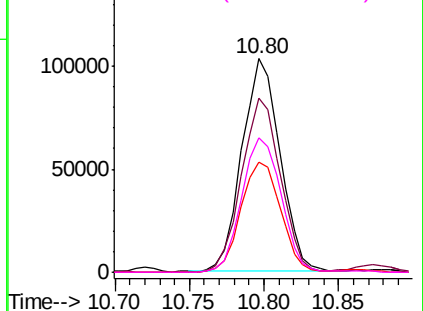
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

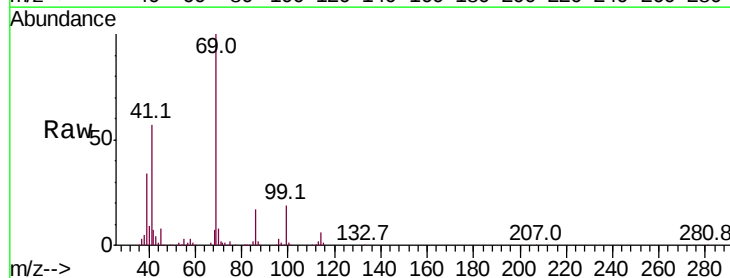
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 56.018 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

Tgt Ion:	69	Resp:	210424
Ion	Ratio	Lower	Upper
69	100		
41	58.2	46.4	69.6
39	33.7	23.8	35.6

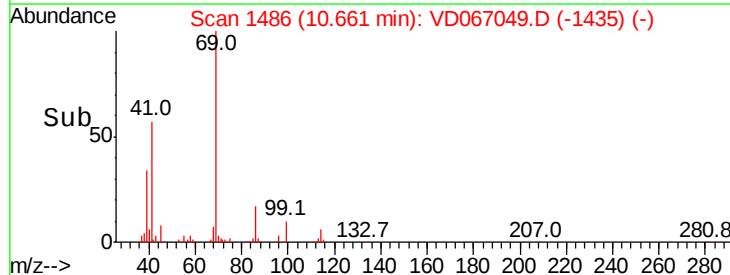
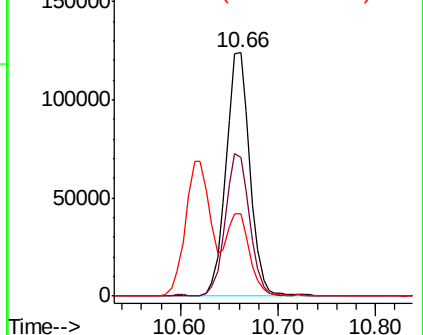


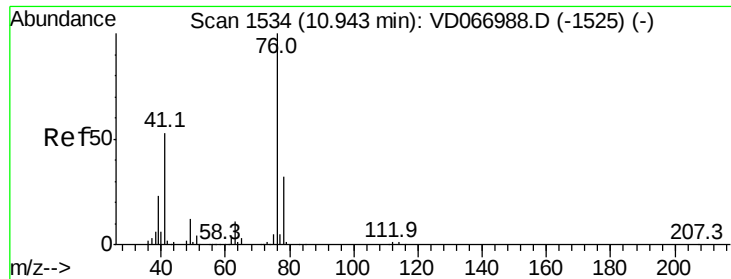
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

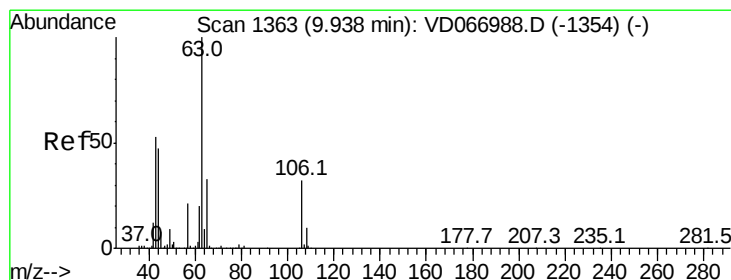
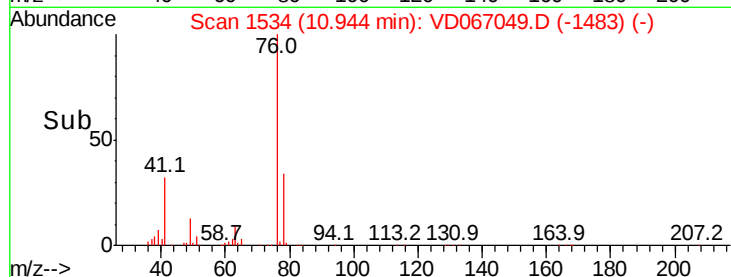
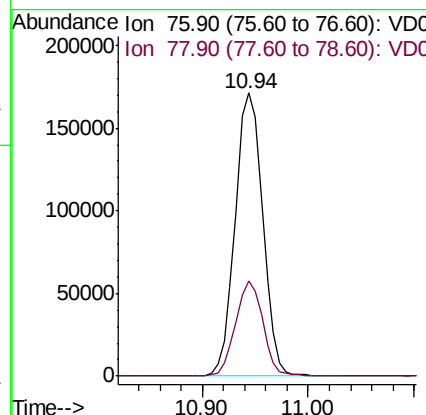
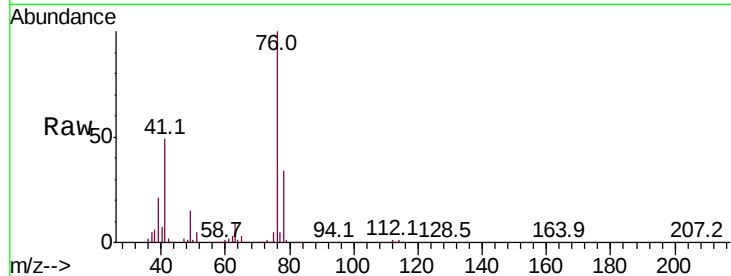




#57
 1,3-Dichloropropane
 Concen: 52.384 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

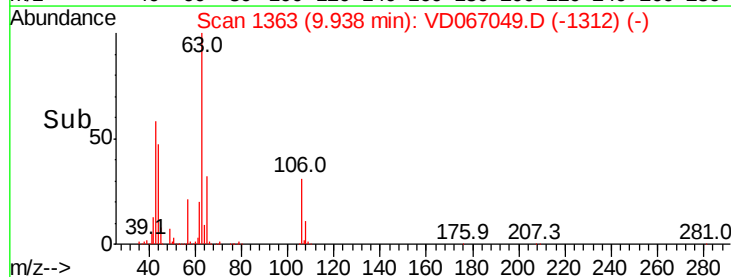
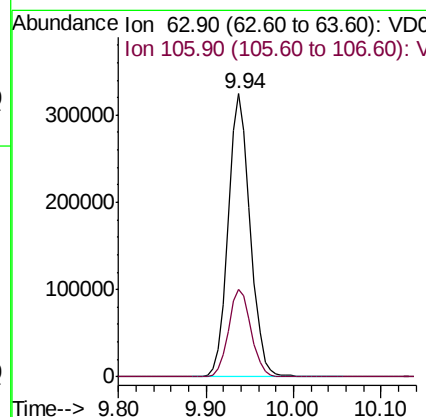
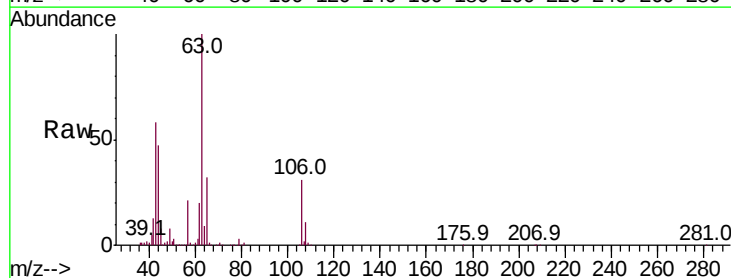
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

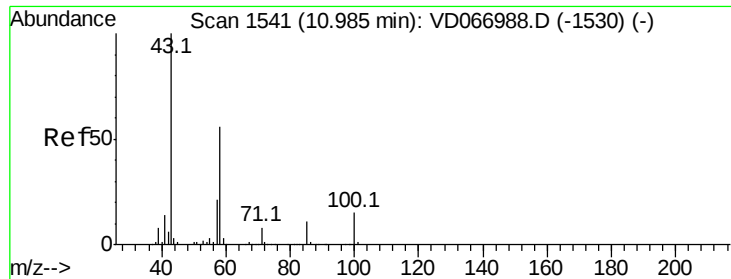
Tot Ion: 76 Resp: 309065
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 268.208 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

Tgt Ion: 63 Resp: 560756
 Ion Ratio Lower Upper
 63 100
 106 31.8 25.3 37.9

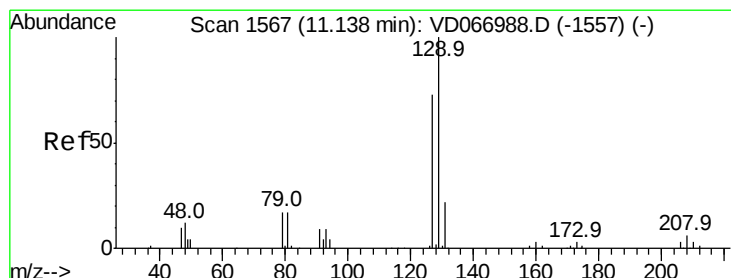
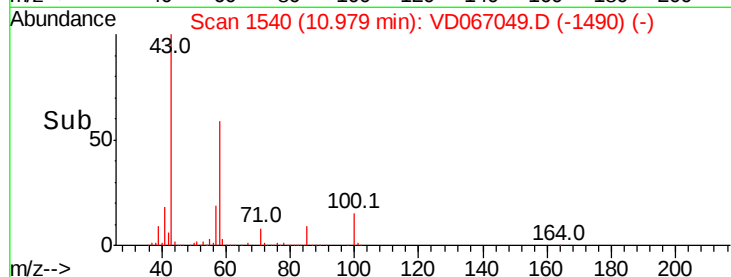
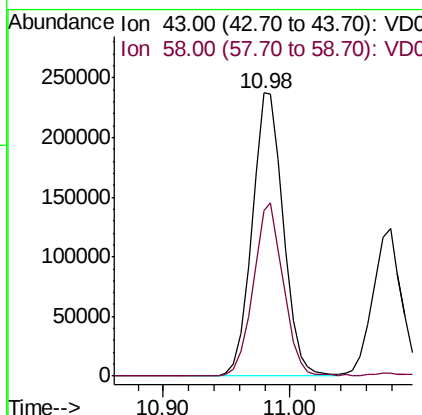
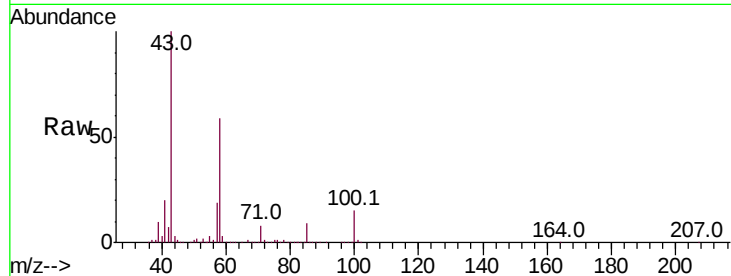




#59
2-Hexanone
Concen: 274.659 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

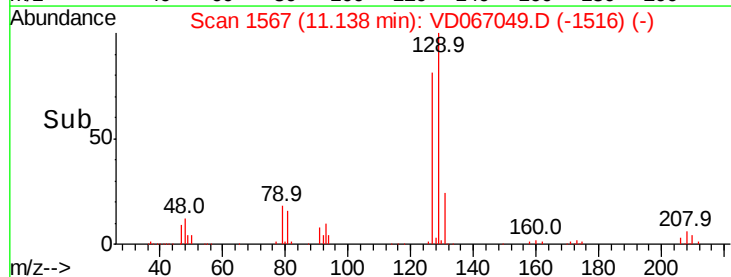
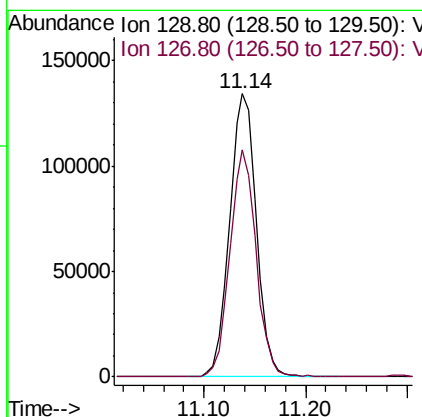
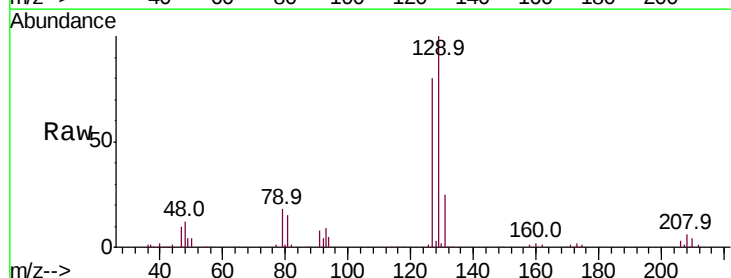
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

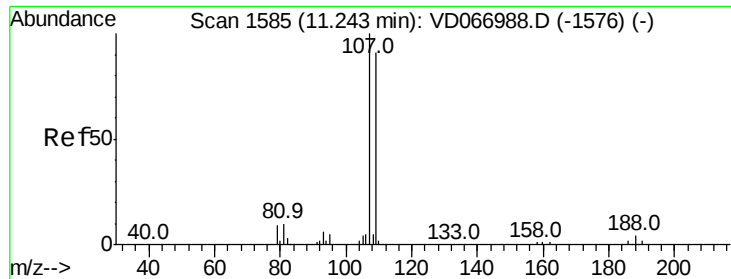
Tot Ion: 43 Resp: 406568
Ion Ratio Lower Upper
43 100
58 58.8 28.3 84.9



#60
Dibromochloromethane
Concen: 50.528 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion: 129 Resp: 245029
Ion Ratio Lower Upper
129 100
127 78.7 37.4 112.1

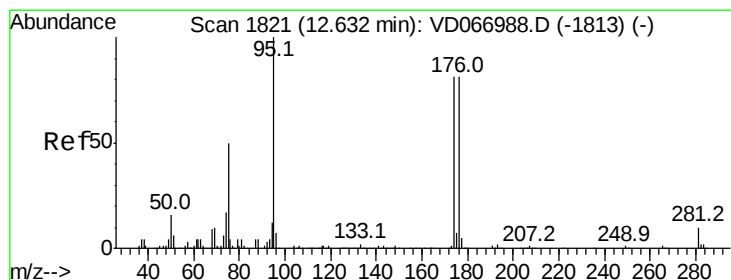
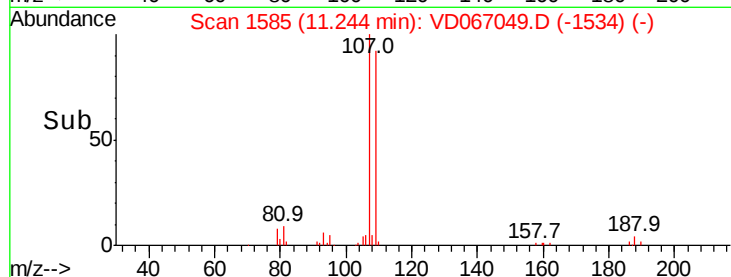
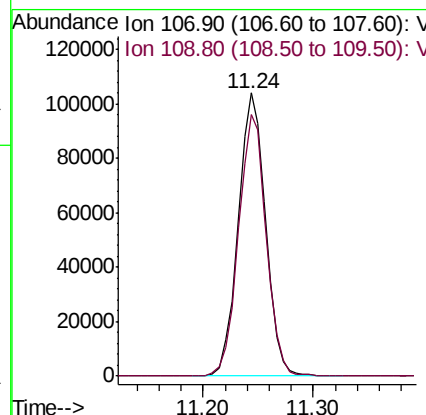
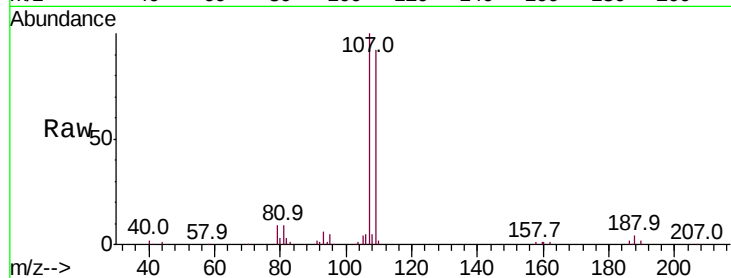




#61
 1,2-Dibromoethane
 Concen: 51.805 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

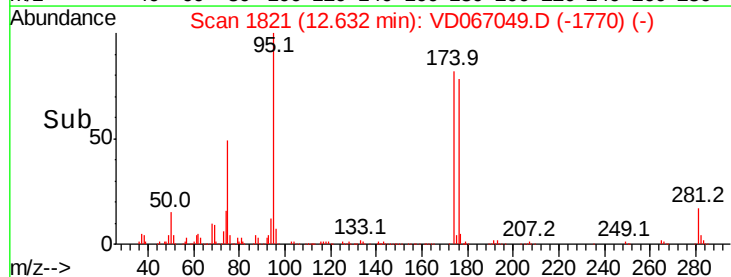
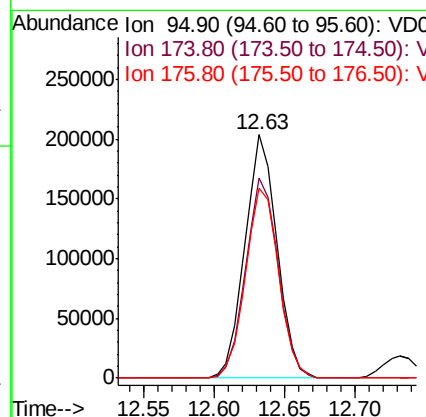
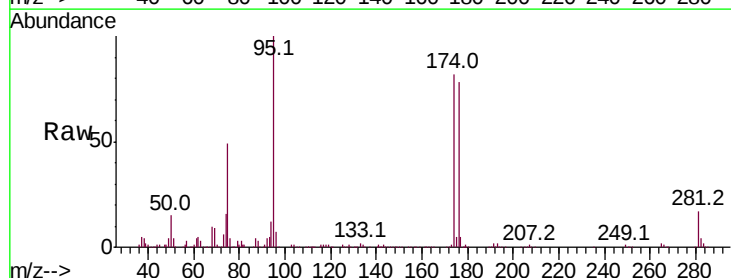
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

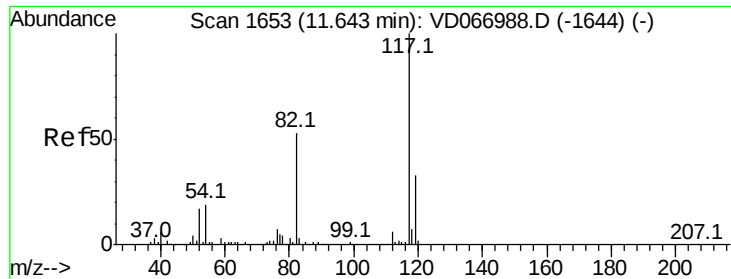
Tot Ion:107 Resp: 181084
 Ion Ratio Lower Upper
 107 100
 109 93.6 74.0 111.0



#62
 4-Bromofluorobenzene
 Concen: 53.622 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

Tgt Ion: 95 Resp: 325042
 Ion Ratio Lower Upper
 95 100
 174 83.6 0.0 167.6
 176 80.4 0.0 162.4

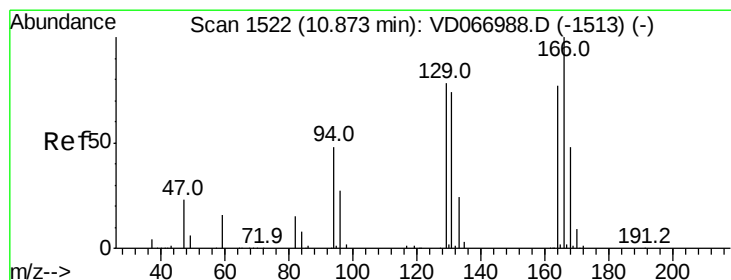
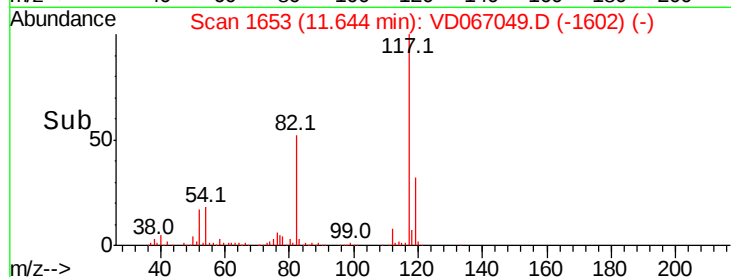
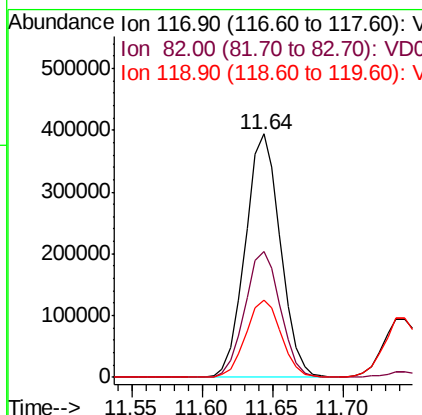
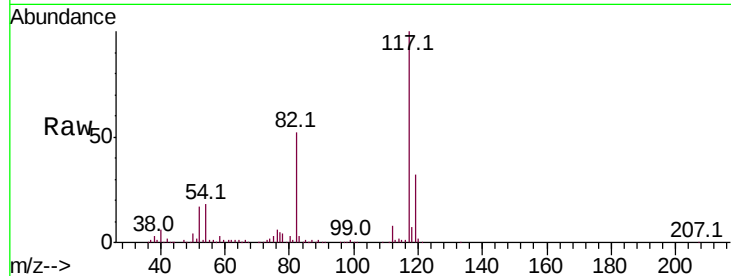




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

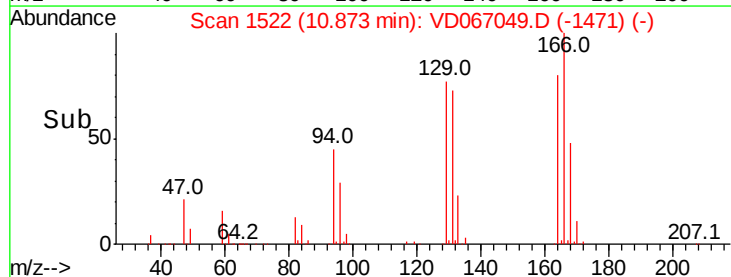
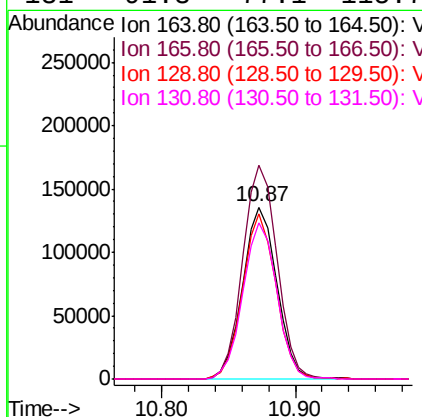
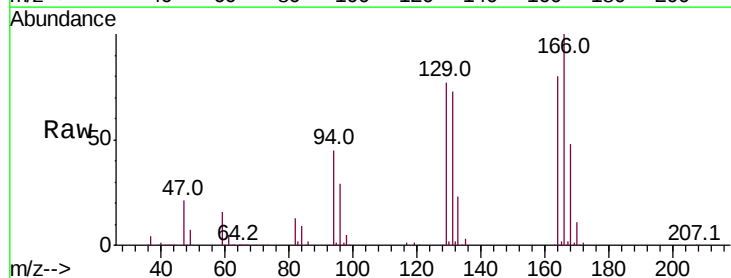
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

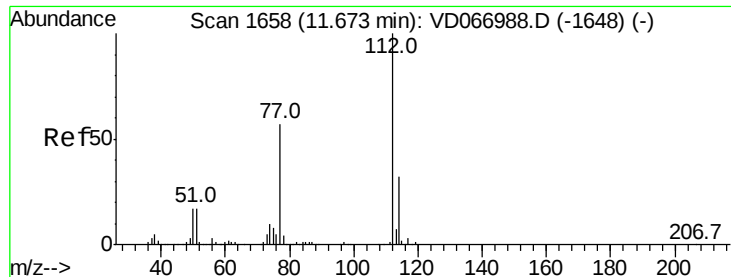
Tot Ion:117 Resp: 686722
Ion Ratio Lower Upper
117 100
82 51.7 42.6 63.8
119 31.6 26.3 39.5



#64
Tetrachloroethene
Concen: 48.015 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion:164 Resp: 239715
Ion Ratio Lower Upper
164 100
166 124.3 104.4 156.6
129 96.2 81.3 121.9
131 91.3 77.1 115.7

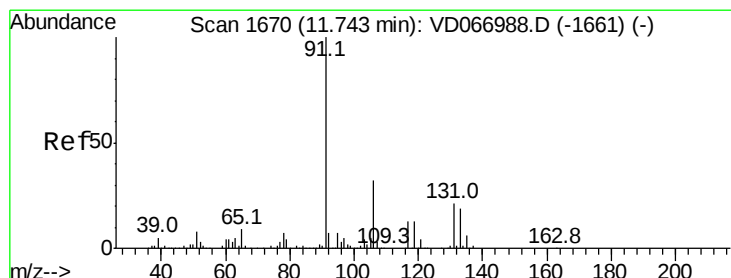
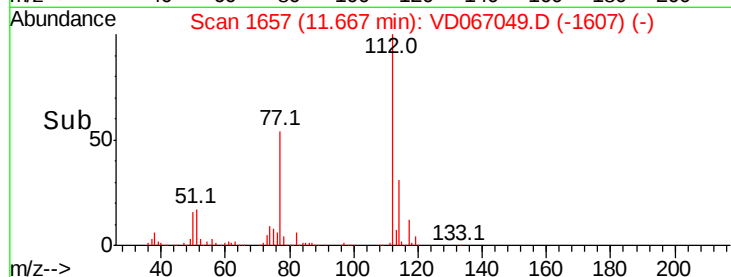
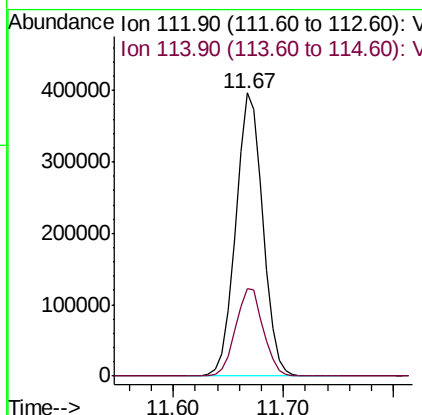
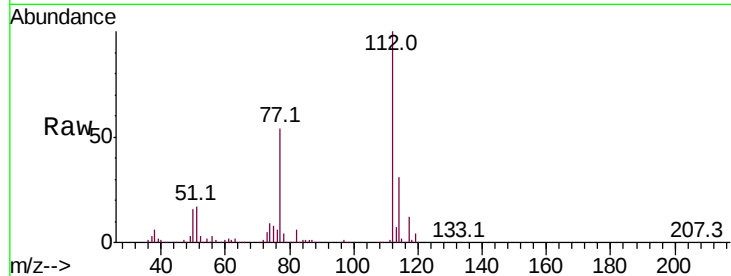




#65
Chlorobenzene
Concen: 49.981 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

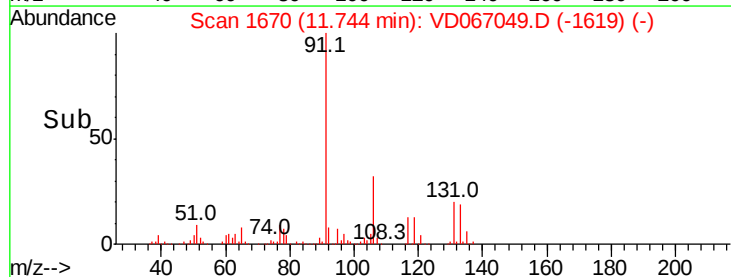
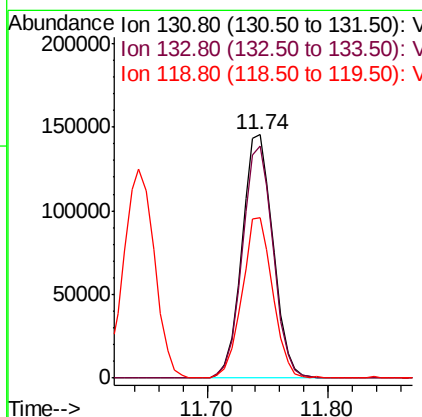
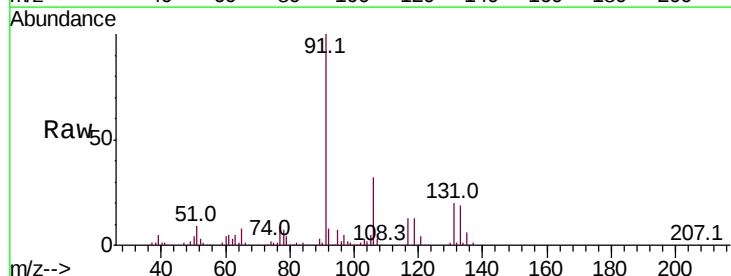
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

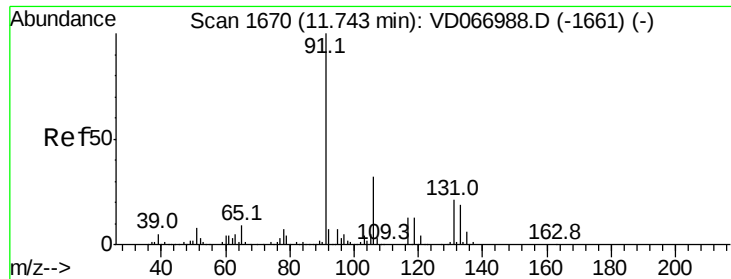
Tot Ion:112 Resp: 682642
Ion Ratio Lower Upper
112 100
114 31.1 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 50.318 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion:131 Resp: 261417
Ion Ratio Lower Upper
131 100
133 94.6 47.8 143.3
119 65.0 32.3 96.8

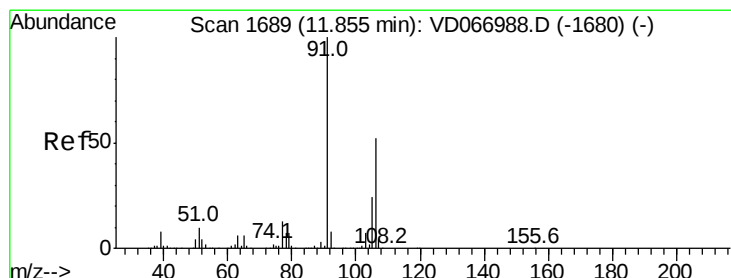
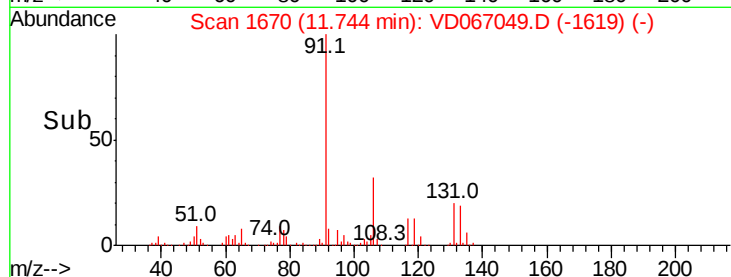
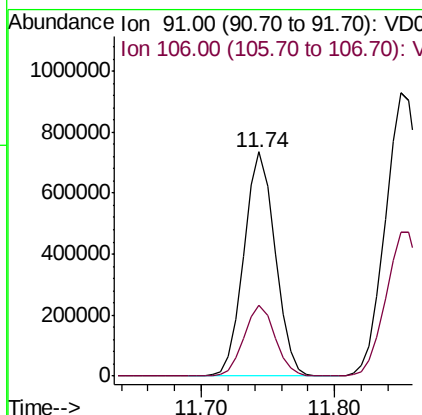
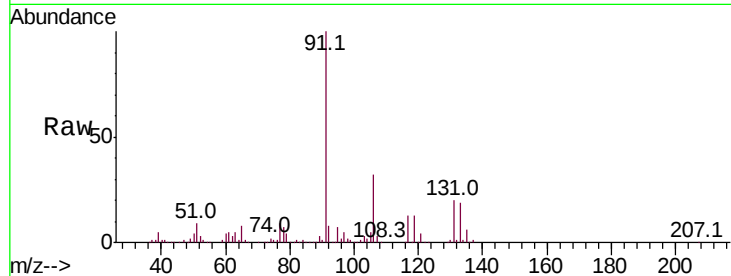




#67
Ethyl Benzene
Concen: 50.864 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

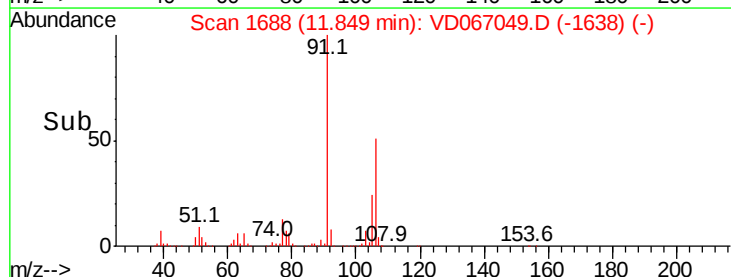
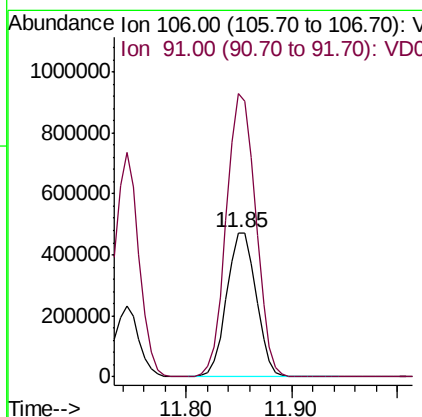
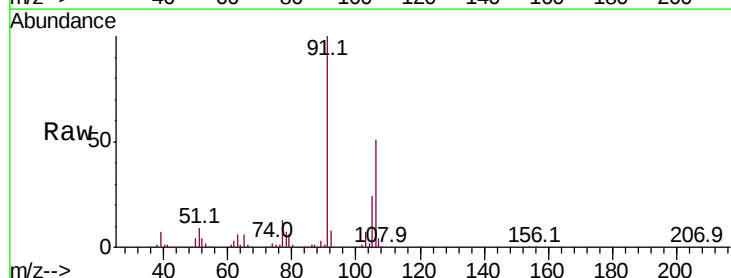
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

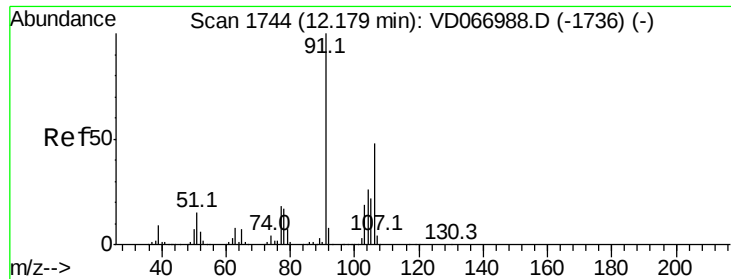
Tot Ion: 91 Resp: 1190306
Ion Ratio Lower Upper
91 100
106 31.6 25.4 38.2



#68
m/p-Xylenes
Concen: 100.219 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion: 106 Resp: 913991
Ion Ratio Lower Upper
106 100
91 196.2 158.4 237.6

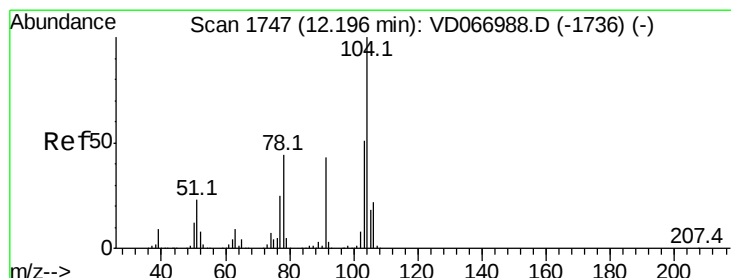
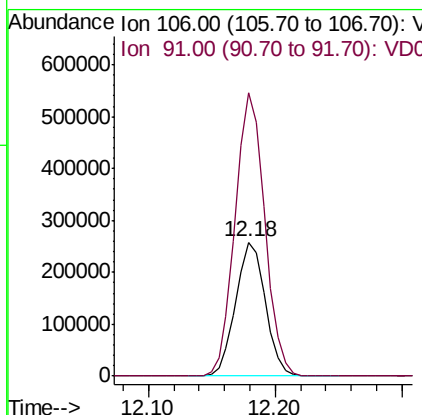
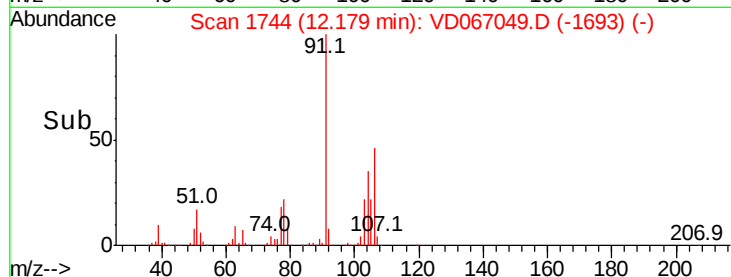
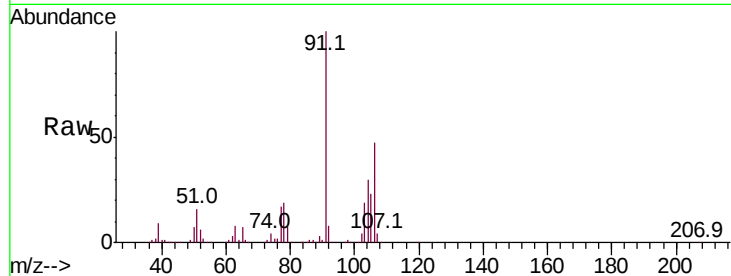




#69
o-Xylene
Concen: 51.302 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

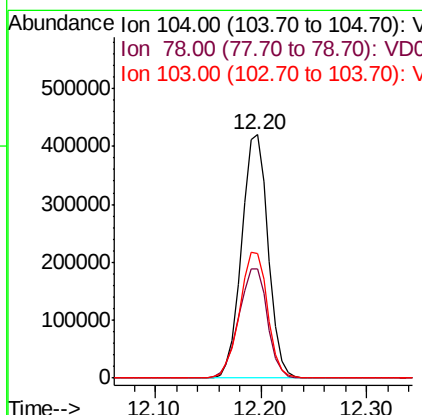
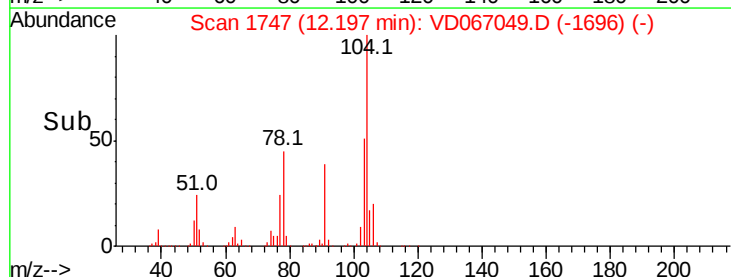
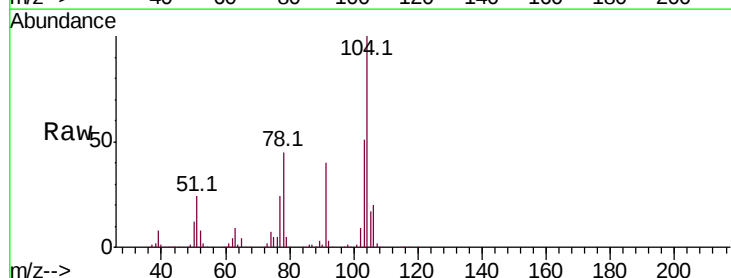
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

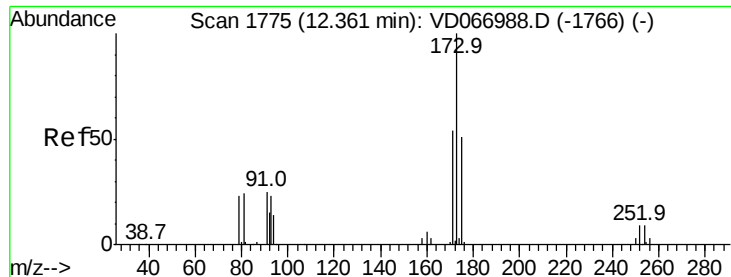
Tot Ion:106 Resp: 418399
Ion Ratio Lower Upper
106 100
91 211.2 102.4 307.2



#70
Styrene
Concen: 52.034 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion:104 Resp: 728705
Ion Ratio Lower Upper
104 100
78 48.6 38.6 58.0
103 54.6 43.4 65.0





#71

Bromoform

Concen: 51.522 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

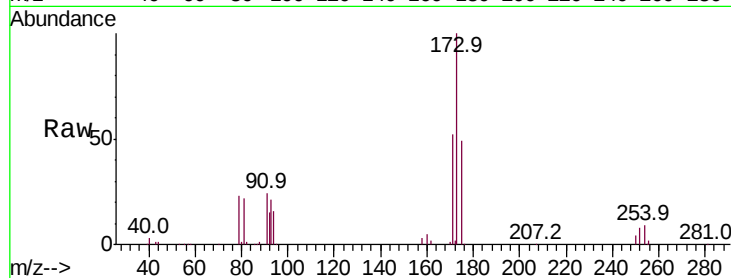
Tot Ion:173 Resp: 138946

Ion Ratio Lower Upper

173 100

175 49.9 24.9 74.7

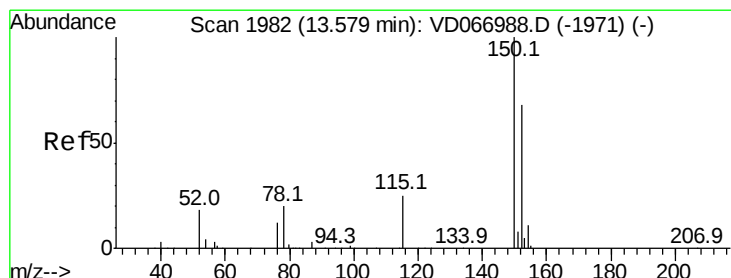
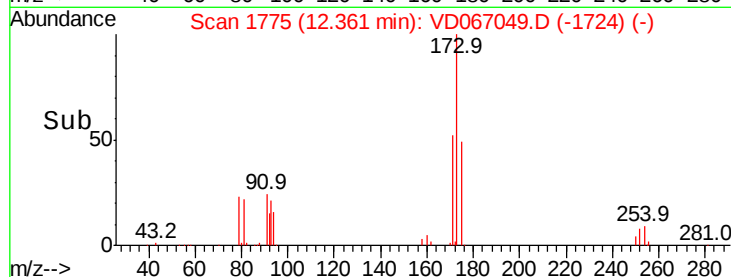
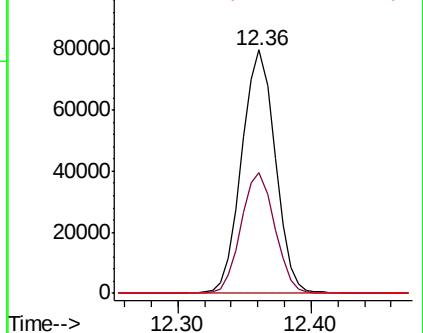
254 0.0 0.2 0.4#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

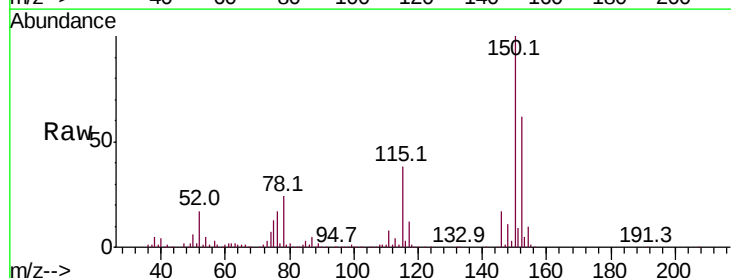
Tgt Ion:152 Resp: 334059

Ion Ratio Lower Upper

152 100

115 58.6 29.6 88.8

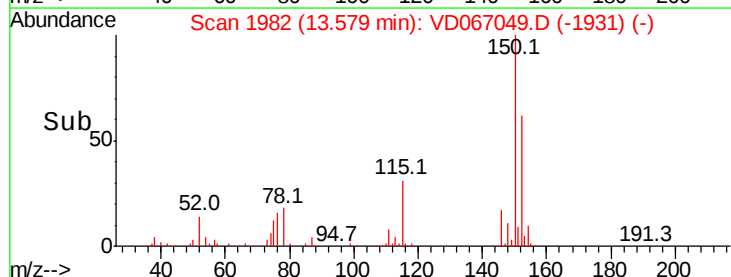
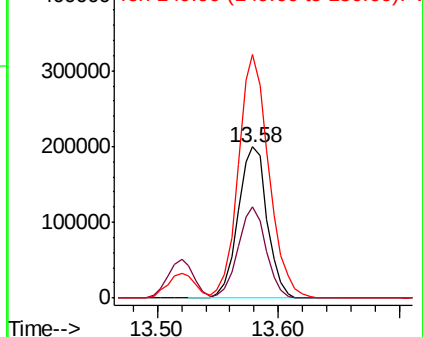
150 168.9 0.0 344.8

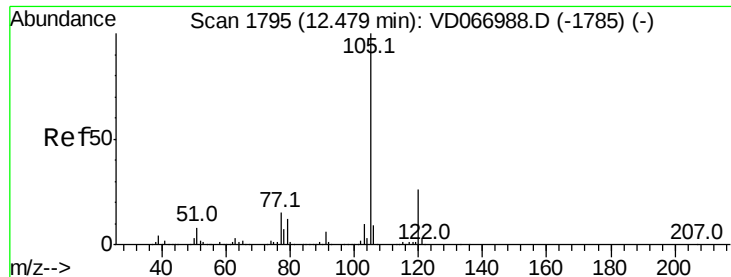


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.927 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

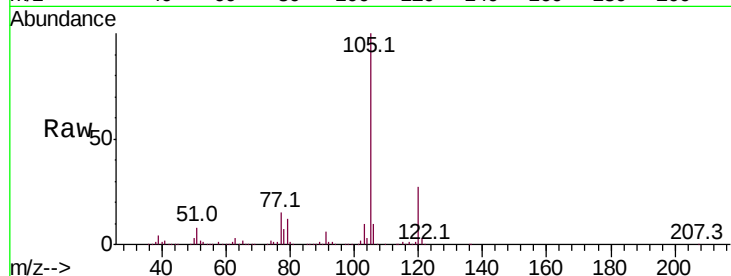
VSTDCCC050EC

Tot Ion:105 Resp: 1132505

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

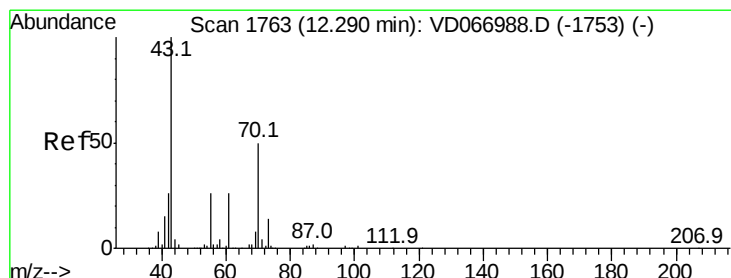
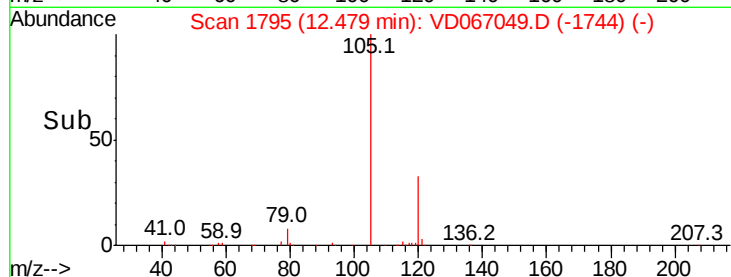
400000

200000

0

12.40 12.50

Time-->



#74

N-ethyl acetate

Concen: 51.812 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Tgt Ion: 43 Resp: 211270

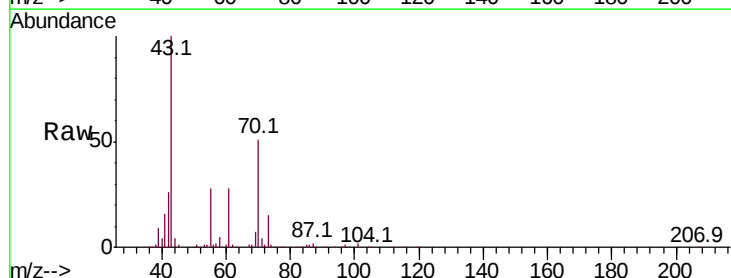
Ion Ratio Lower Upper

43 100

70 48.4 38.2 57.2

55 28.5 22.4 33.6

61 26.5 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

200000

150000

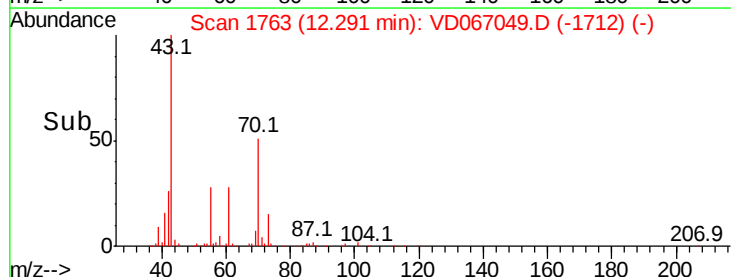
100000

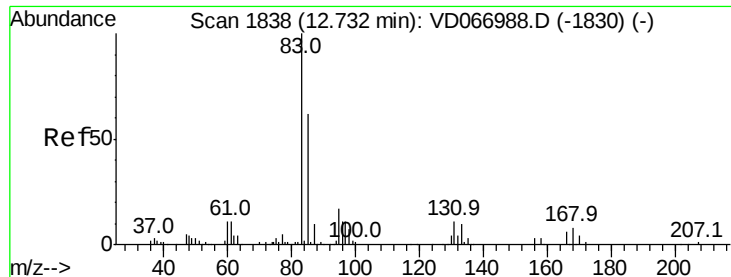
50000

0

12.20 12.30 12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.240 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

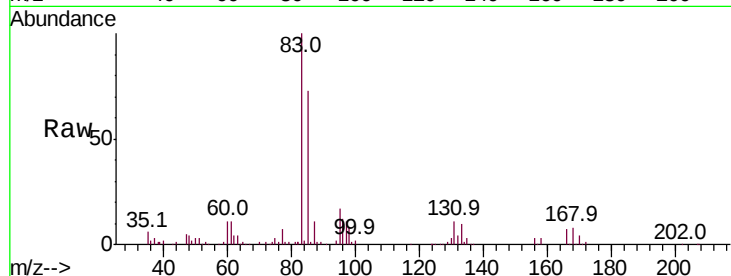
Tot Ion: 83 Resp: 188186

Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.7	17.0
85	66.1	32.0	96.2

83 100

131 11.6 5.7 17.0

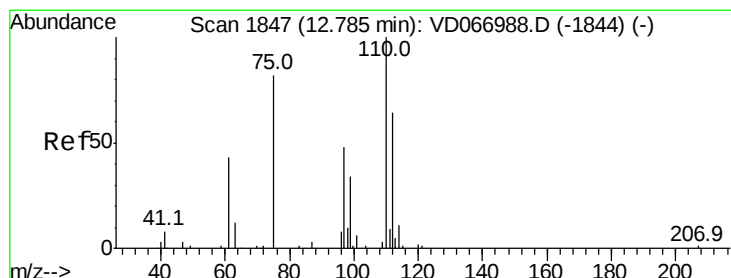
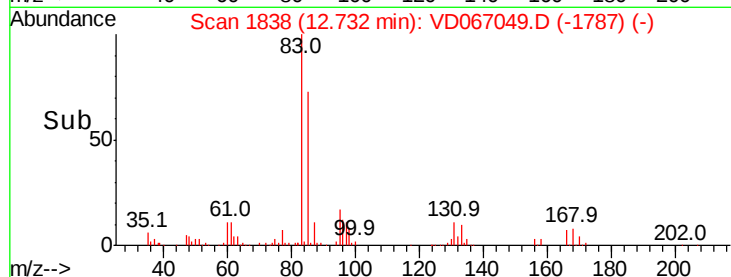
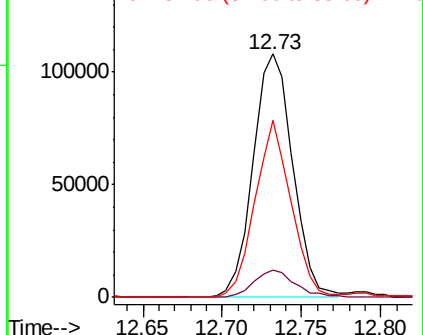
85 66.1 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 85.657 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD067049.D

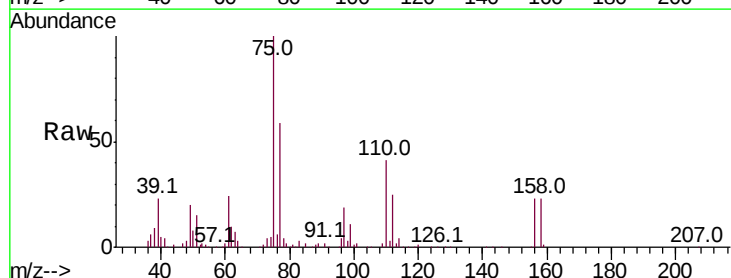
Acq: 02 Oct 2020 21:27

Tgt Ion: 75 Resp: 249242

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

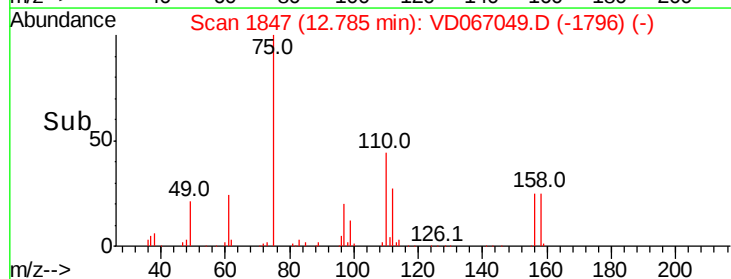
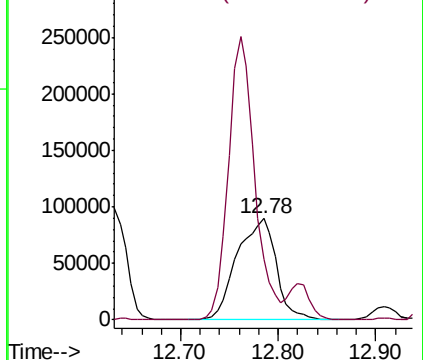
75 100

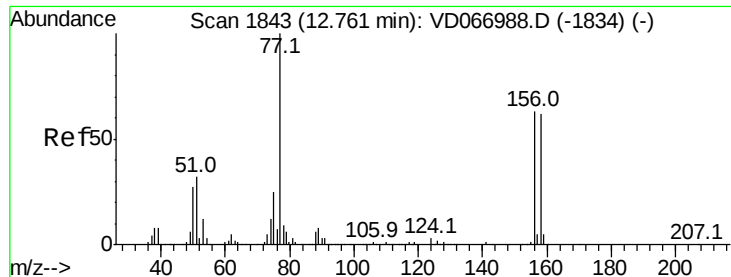
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 51.076 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

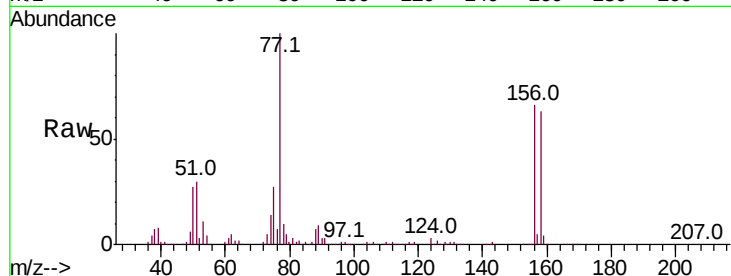
Tot Ion:156 Resp: 279751

Ion Ratio Lower Upper

156 100

77 167.2 86.3 258.8

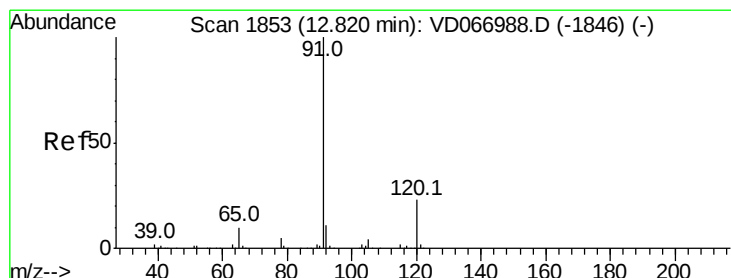
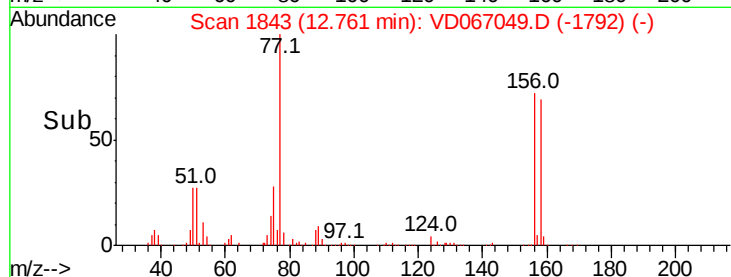
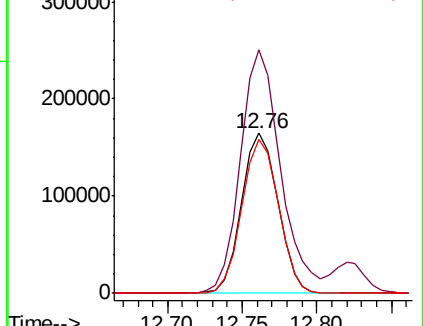
158 96.7 49.5 148.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.436 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD067049.D

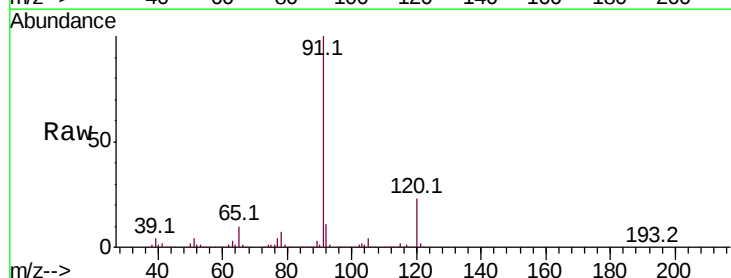
Acq: 02 Oct 2020 21:27

Tgt Ion: 91 Resp: 1325255

Ion Ratio Lower Upper

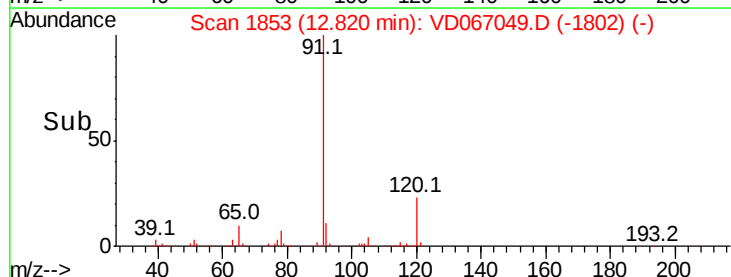
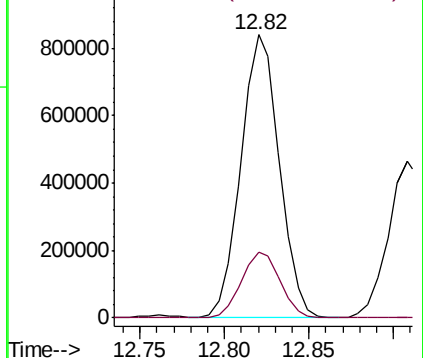
91 100

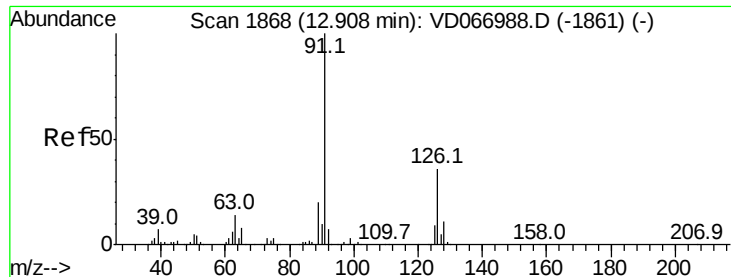
120 23.6 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.458 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

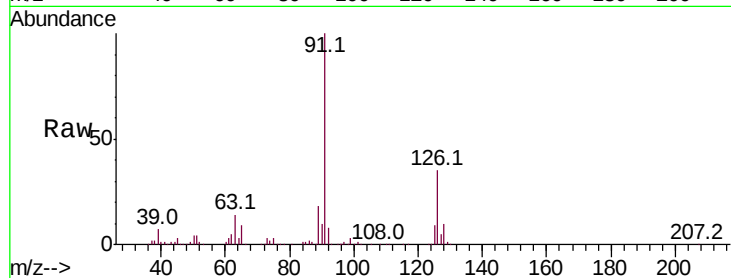
VSTDCCC050EC

Tot Ion: 91 Resp: 758582

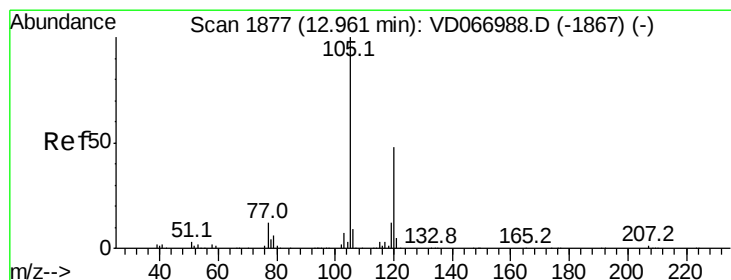
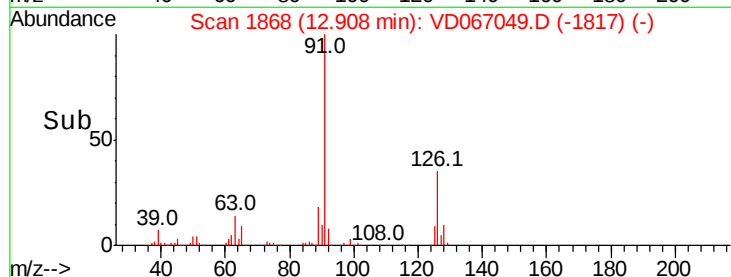
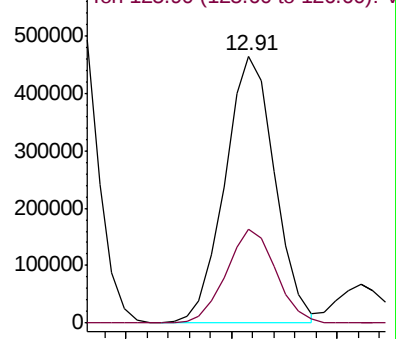
Ion Ratio Lower Upper

91 100

126 35.5 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VD066988.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.401 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD067049.D

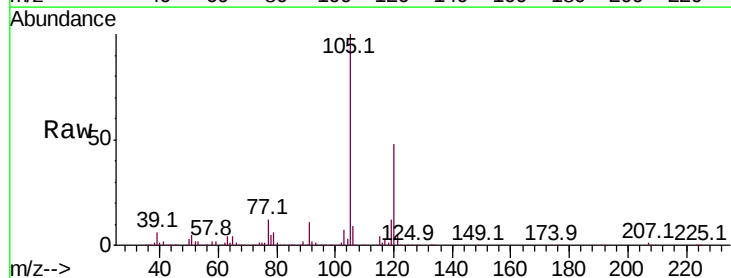
Acq: 02 Oct 2020 21:27

Tgt Ion: 105 Resp: 965904

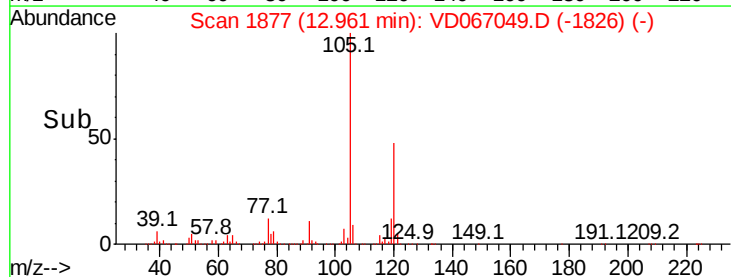
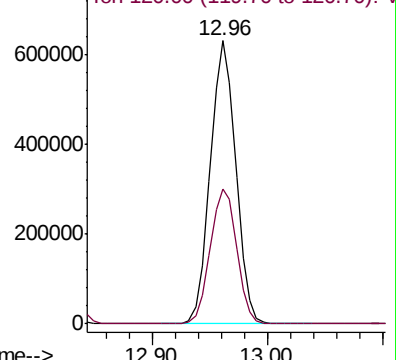
Ion Ratio Lower Upper

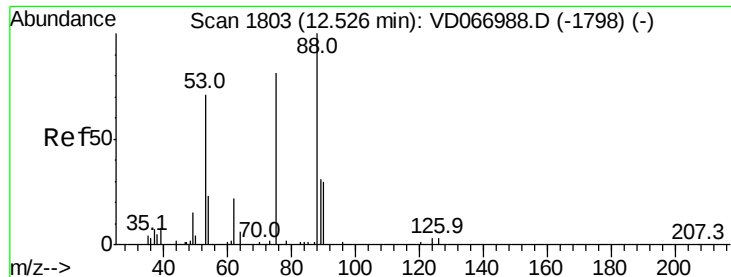
105 100

120 49.3 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VD066988.D (-1867) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.842 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

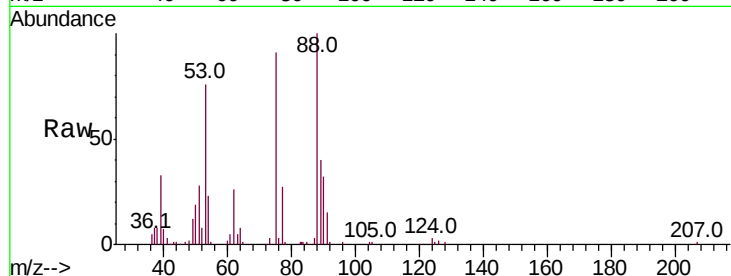
Tot Ion: 75 Resp: 58171

Ion Ratio Lower Upper

75 100

53 86.6 73.8 110.6

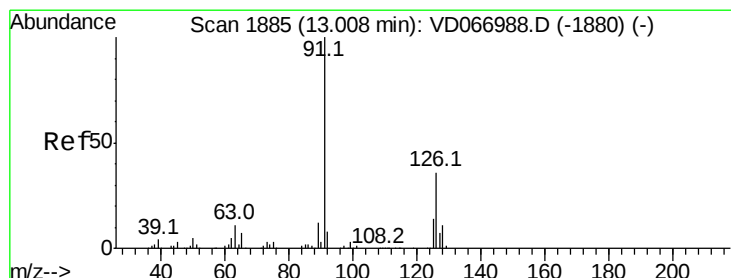
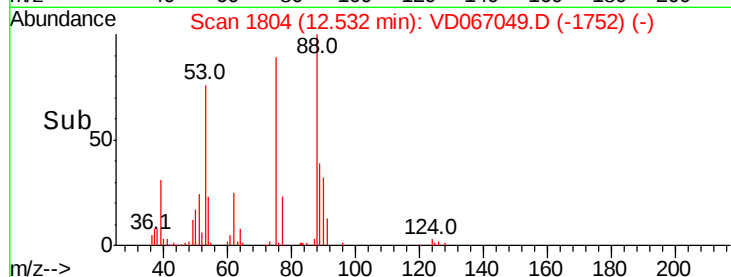
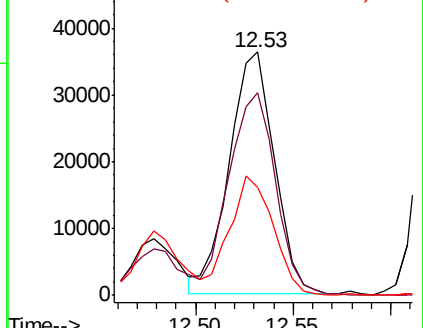
89 48.2 38.9 58.3



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 48.582 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067049.D

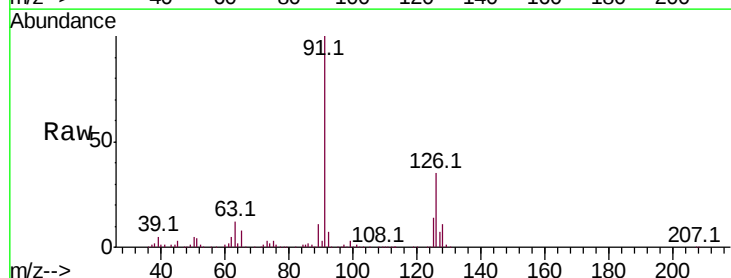
Acq: 02 Oct 2020 21:27

Tgt Ion: 91 Resp: 792783

Ion Ratio Lower Upper

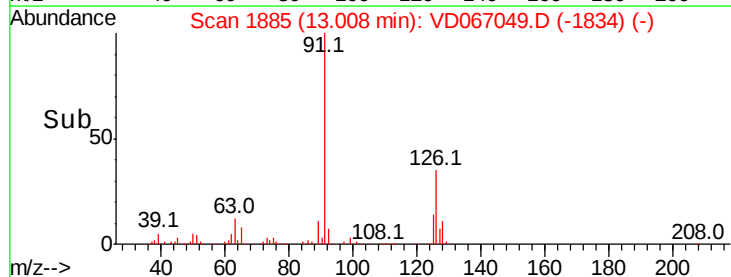
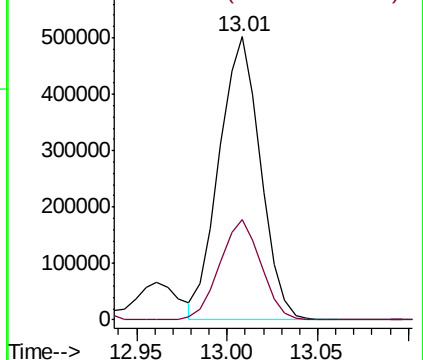
91 100

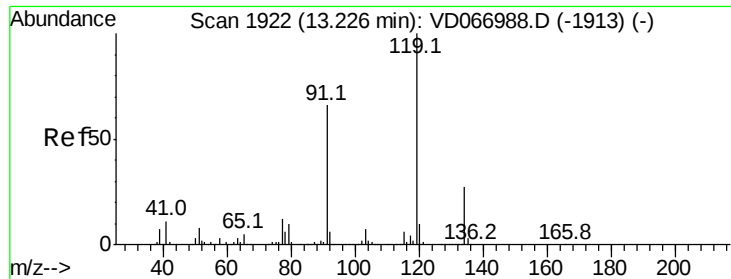
126 35.4 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

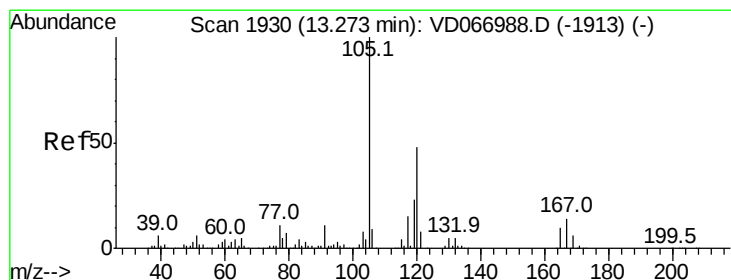
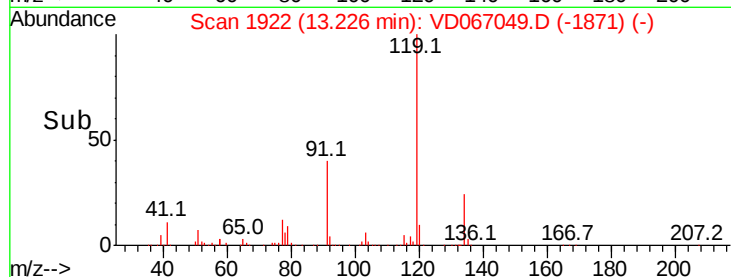
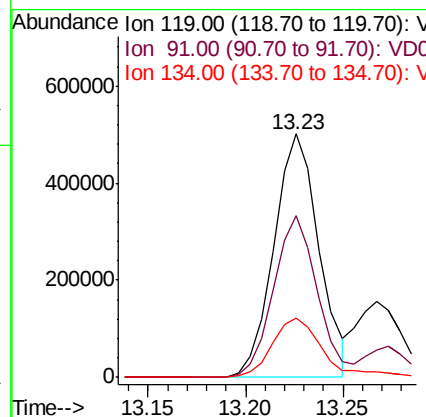
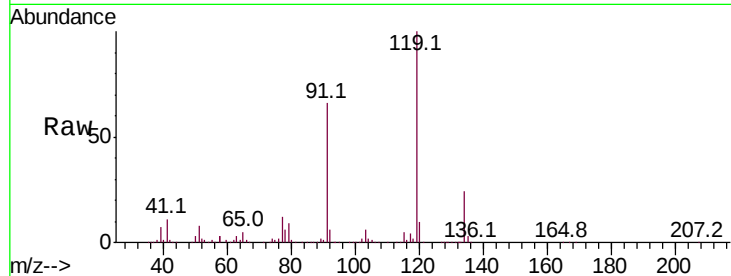




#83
tert-Butylbenzene
Concen: 49.640 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

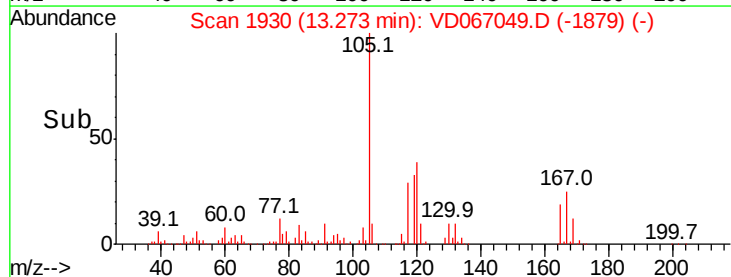
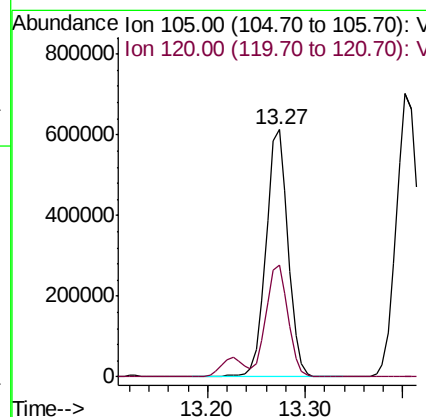
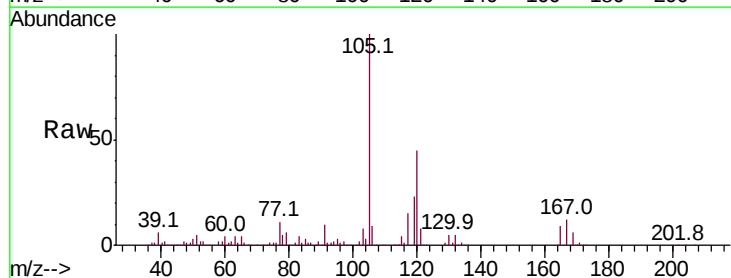
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

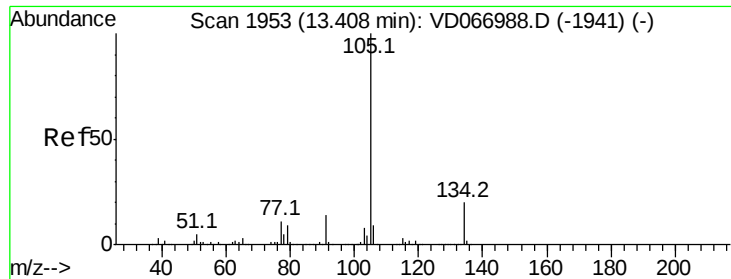
Tot Ion:119 Resp: 801103
Ion Ratio Lower Upper
119 100
91 65.1 32.8 98.3
134 27.5 13.9 41.7



#84
1,2,4-Trimethylbenzene
Concen: 50.893 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion:105 Resp: 973350
Ion Ratio Lower Upper
105 100
120 45.3 23.3 69.8





#85

sec-Butylbenzene

Concen: 49.013 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

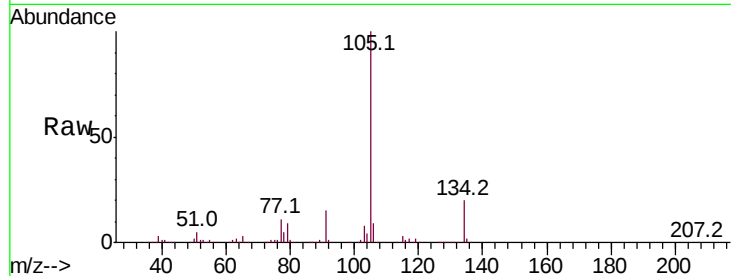
VSTDCCC050EC

Tot Ion:105 Resp: 1113925

Ion Ratio Lower Upper

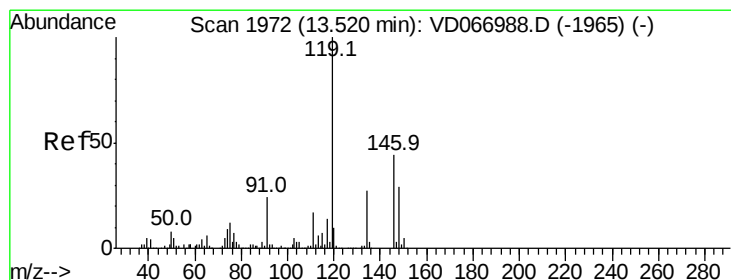
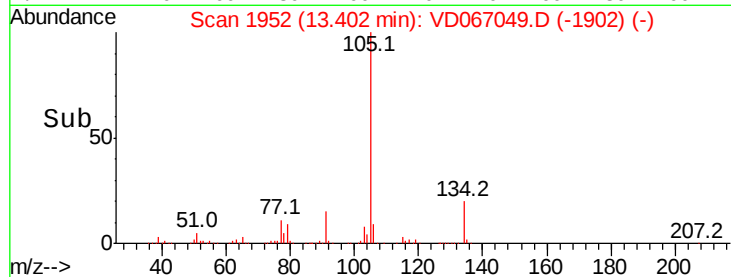
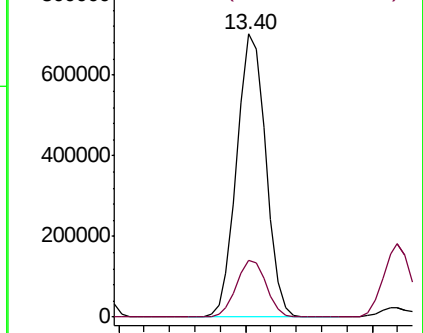
105 100

134 20.5 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.856 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

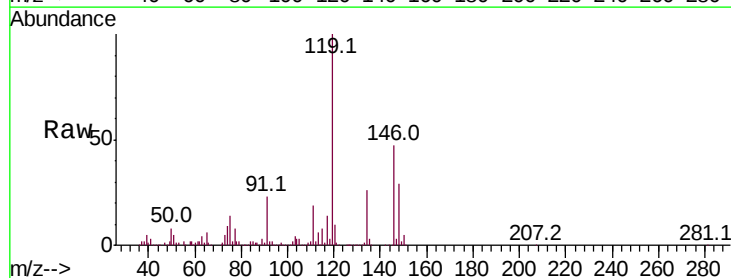
Tgt Ion:119 Resp: 1029416

Ion Ratio Lower Upper

119 100

134 26.7 13.1 39.1

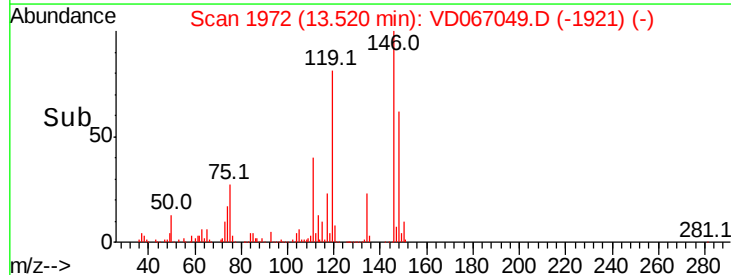
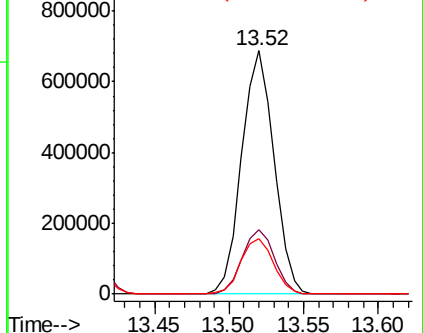
91 23.2 11.7 35.1

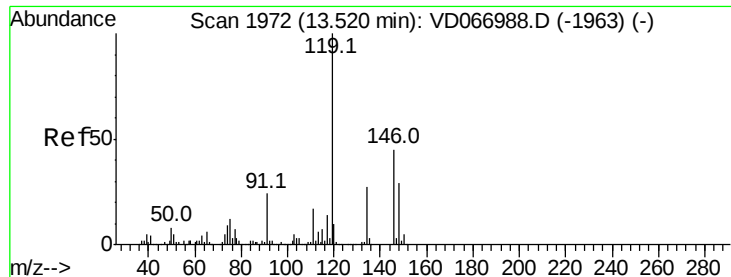


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

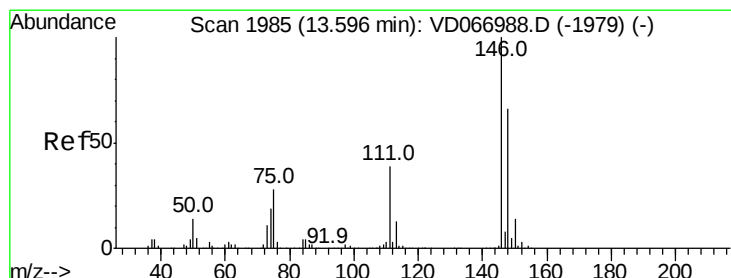
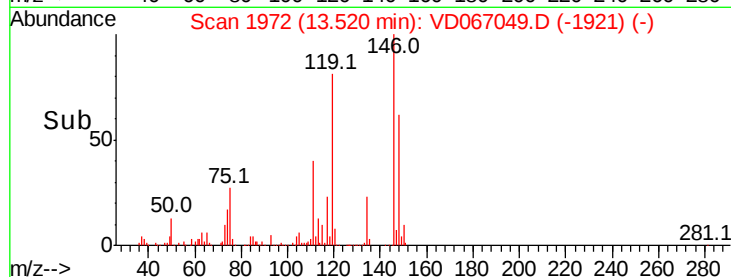
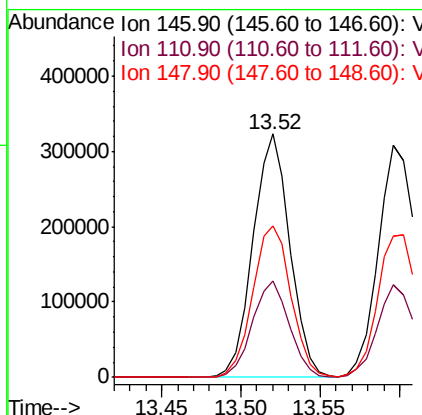
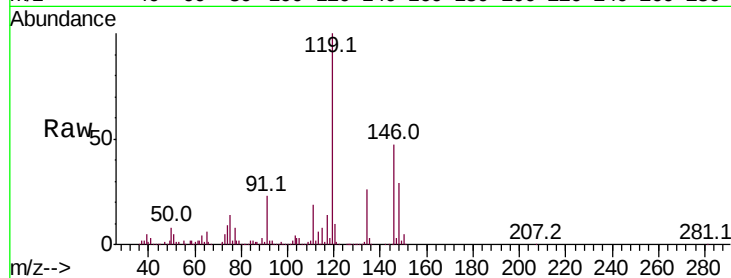




#87
 1,3-Dichlorobenzene
 Concen: 48.997 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

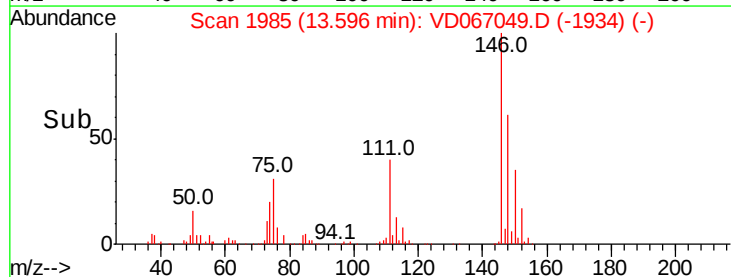
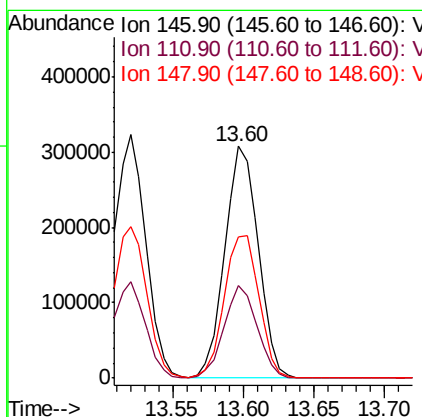
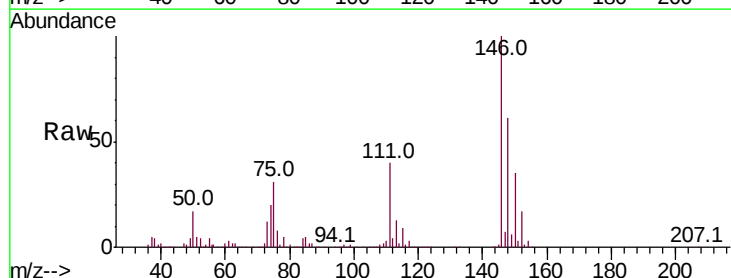
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

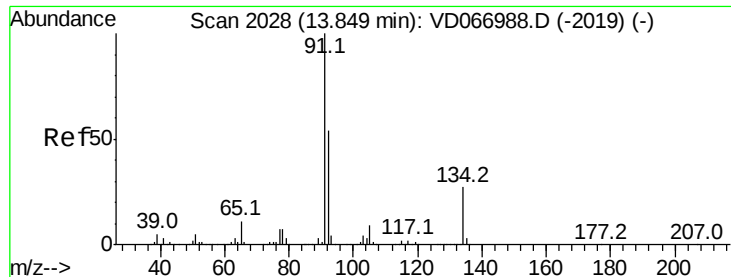
Tot Ion:146 Resp: 522725
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.0 60.0
 148 64.5 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 47.697 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

Tgt Ion:146 Resp: 508800
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.6 58.7
 148 63.9 32.6 97.7

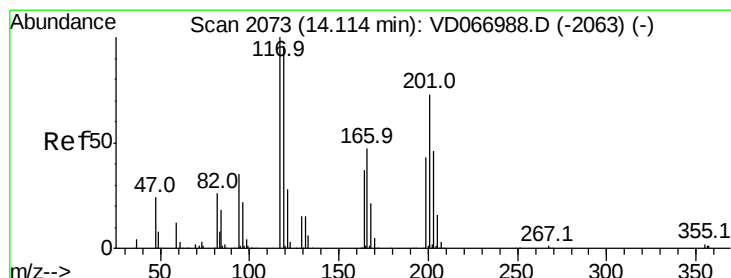
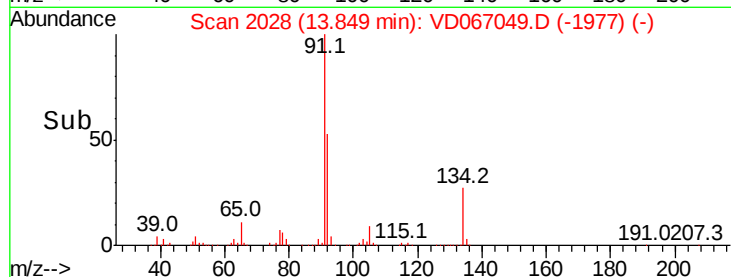
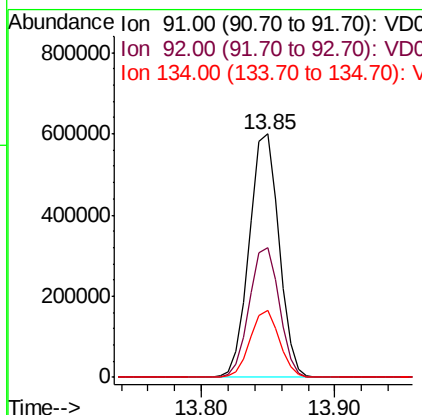
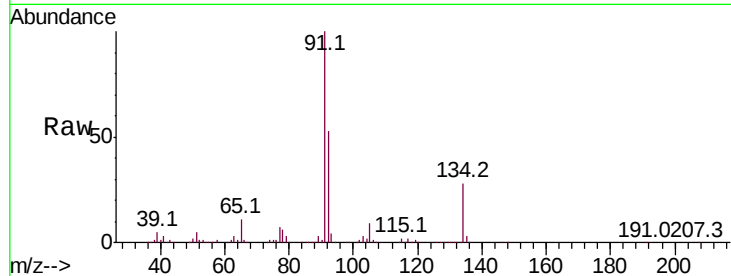




#89
n-Butylbenzene
Concen: 47.731 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

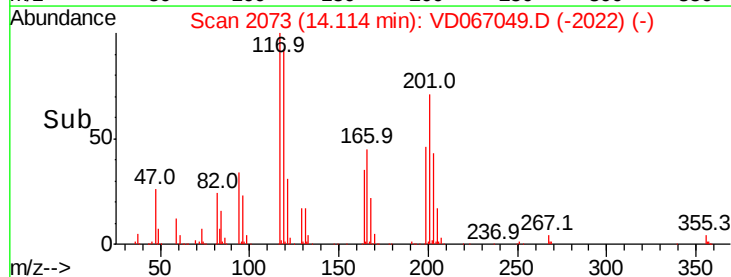
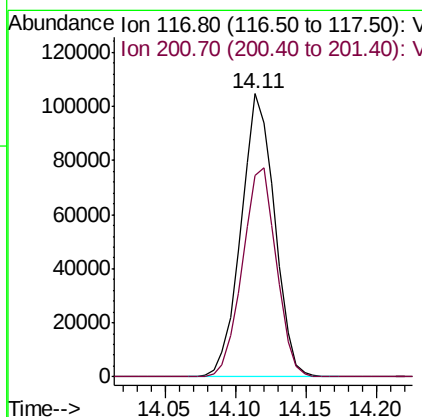
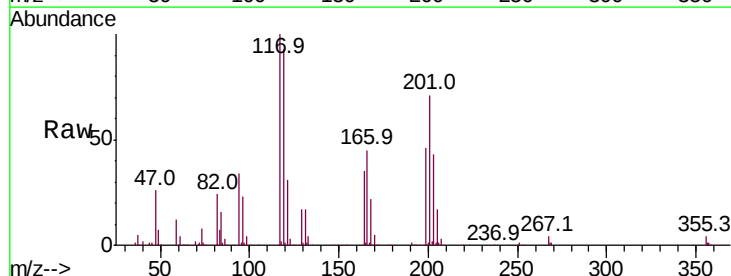
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

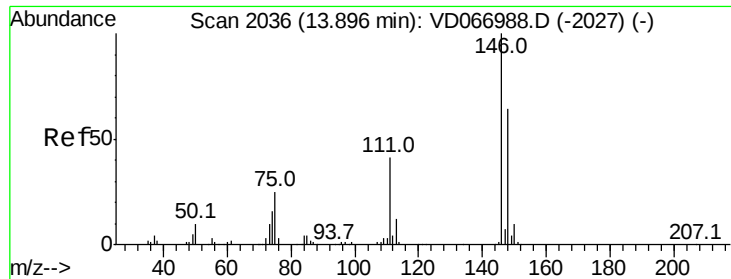
Tot Ion: 91 Resp: 919136
Ion Ratio Lower Upper
91 100
92 53.8 27.1 81.2
134 27.0 13.6 40.8



#90
Hexachloroethane
Concen: 47.305 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion: 117 Resp: 174593
Ion Ratio Lower Upper
117 100
201 74.5 37.0 110.9

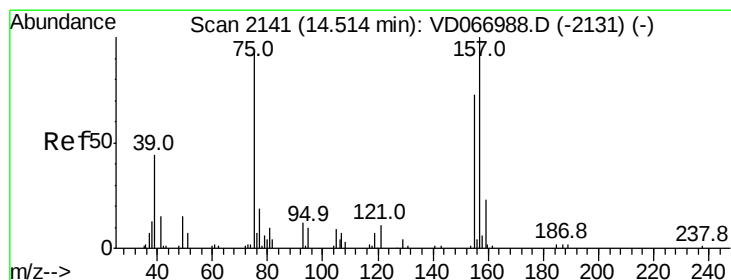
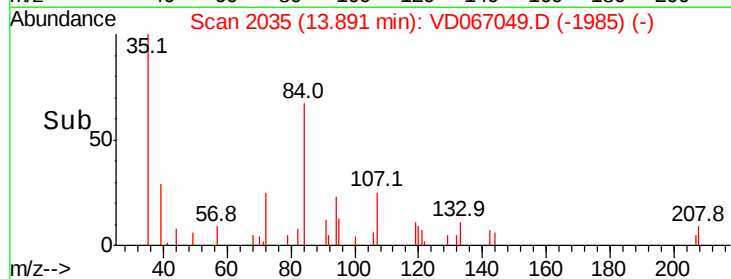
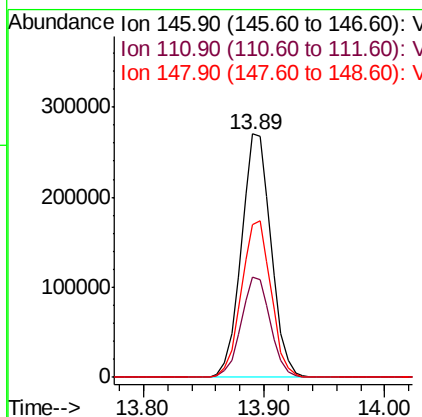
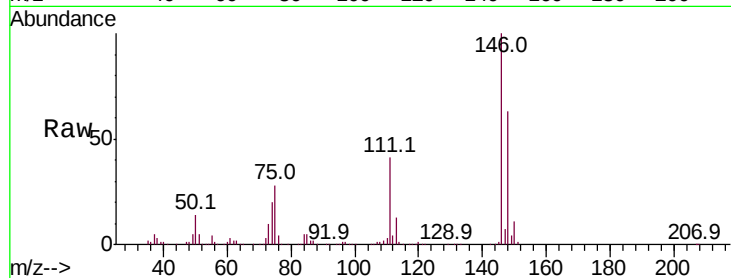




#91
 1,2-Dichlorobenzene
 Concen: 49.677 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

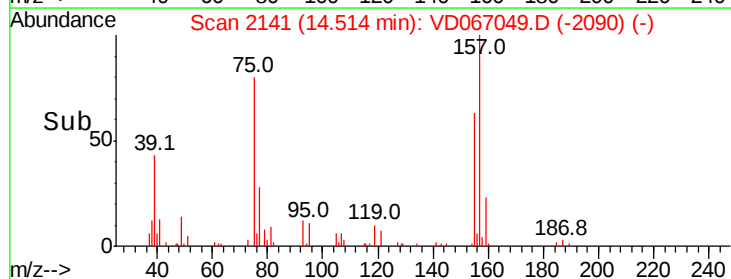
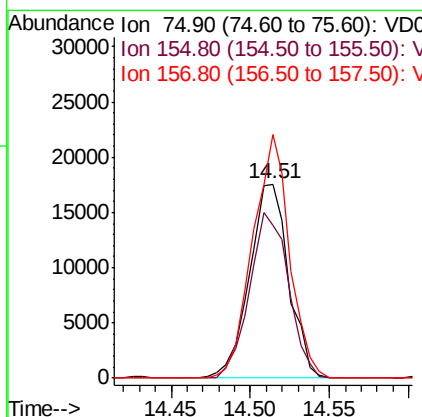
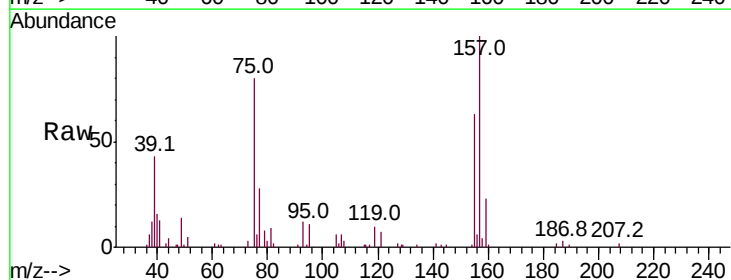
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

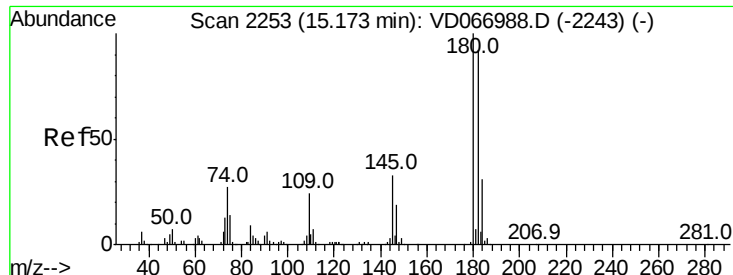
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.9	62.7
148	64.1	32.3	96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.039 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.8	45.2	135.6
157	118.0	56.3	168.8

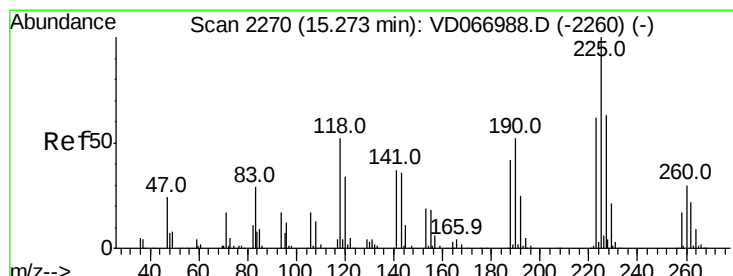
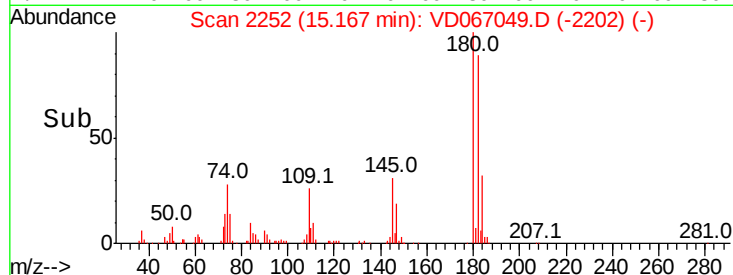
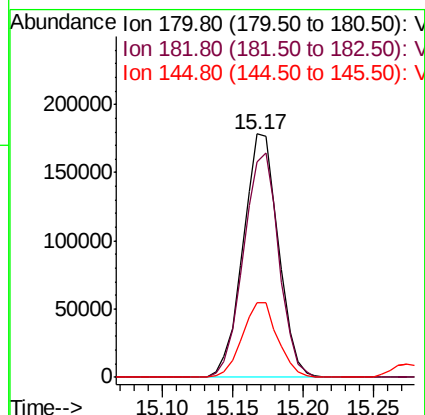
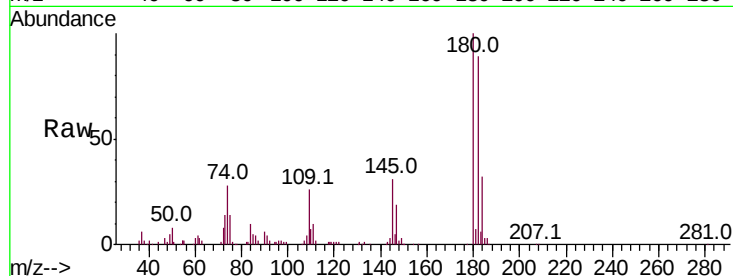




#93
 1,2,4-Trichlorobenzene
 Concen: 51.878 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

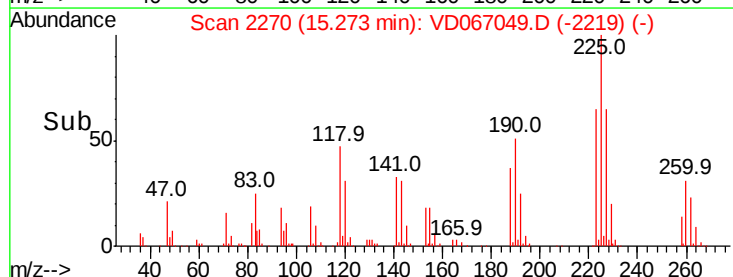
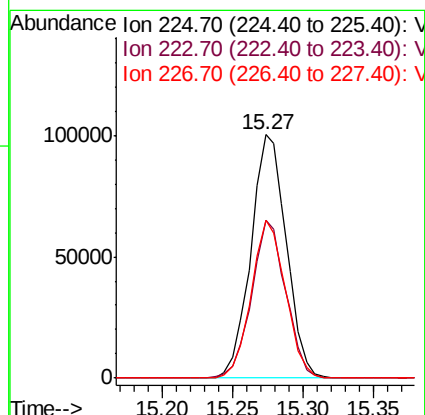
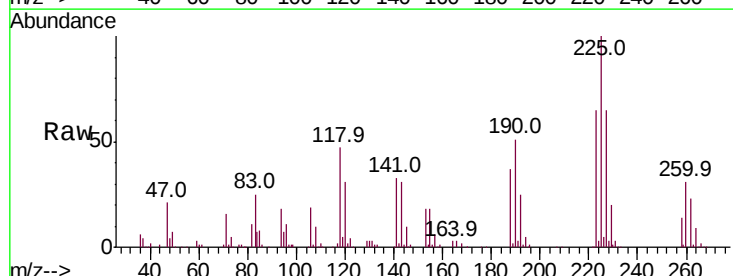
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

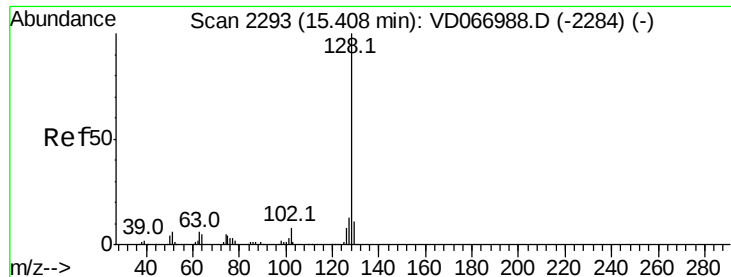
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.3	47.3	142.0
145	30.8	16.4	49.1



#94
 Hexachlorobutadiene
 Concen: 47.685 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.4	97.0
227	62.8	31.6	95.0





#95

Naphthalene

Concen: 54.992 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

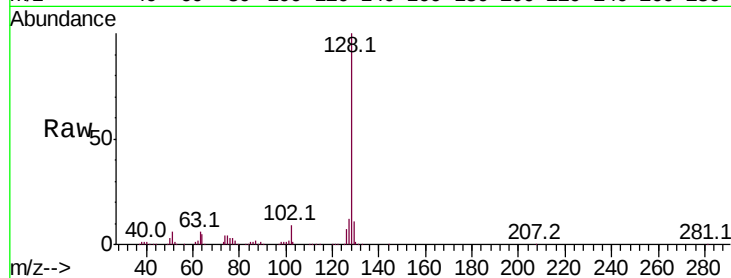
Tot Ion:128 Resp: 552793

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

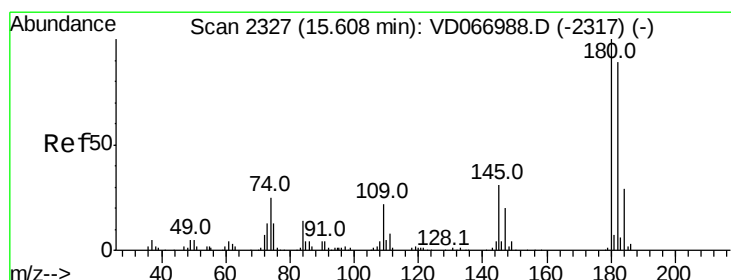
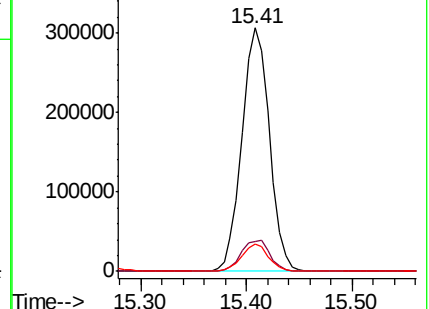
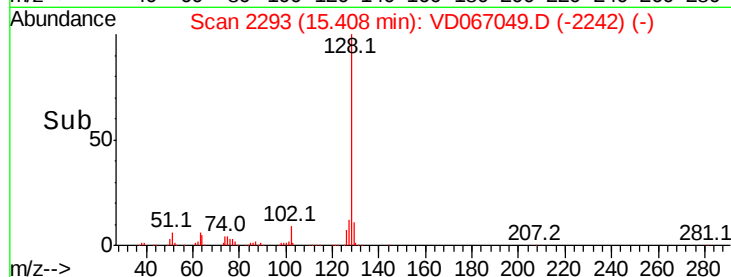
129 11.0 8.6 13.0



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: 51.857 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.01 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

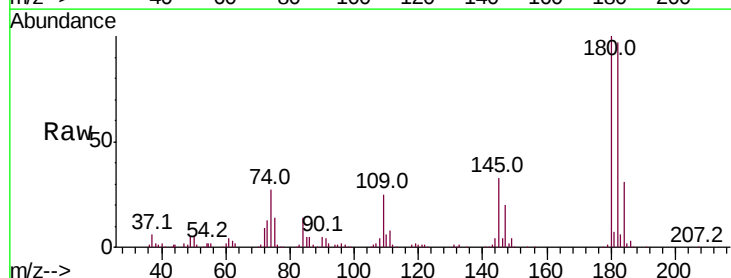
Tgt Ion:180 Resp: 271297

Ion Ratio Lower Upper

180 100

182 95.3 46.4 139.1

145 32.9 16.6 49.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

