

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091620\
 Data File : VD066732.D
 Acq On : 16 Sep 2020 21:00
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 17 00:53:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	379739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	640010	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	592589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	273698	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	210529	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
35) Dibromofluoromethane	7.91	113	202454	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
50) Toluene-d8	10.34	98	723887	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
62) 4-Bromofluorobenzene	12.63	95	250742	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	126261	44.367	ug/l	97
3) Chloromethane	2.21	50	182595	44.187	ug/l	97
4) Vinyl Chloride	2.35	62	185053	42.789	ug/l	95
5) Bromomethane	2.77	94	138899	45.274	ug/l	96
6) Chloroethane	2.92	64	120982	44.905	ug/l	90
7) Trichlorofluoromethane	3.27	101	332154	44.465	ug/l	96
8) Diethyl Ether	3.71	74	94078	50.295	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.10	101	185128	45.096	ug/l	100
10) Methyl Iodide	4.30	142	172838	44.374	ug/l	99
11) Tert butyl alcohol	5.21	59	66043	251.457	ug/l #	90
12) 1,1-Dichloroethene	4.06	96	178495	46.976	ug/l	96
13) Acrolein	3.92	56	69851	244.448	ug/l	93
14) Allyl chloride	4.72	41	296597	48.605	ug/l	98
15) Acrylonitrile	5.42	53	213646	260.729	ug/l	100
16) Acetone	4.16	43	177089	214.638	ug/l	94
17) Carbon Disulfide	4.41	76	576292	48.266	ug/l #	94
18) Methyl Acetate	4.71	43	94589	54.001	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	448043	52.939	ug/l	99
20) Methylene Chloride	4.97	84	227433	51.502	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	217951	49.233	ug/l	98
22) Diisopropyl ether	6.36	45	652059	52.589	ug/l	97
23) Vinyl Acetate	6.30	43	1884778	273.276	ug/l	98
24) 1,1-Dichloroethane	6.26	63	389682	49.527	ug/l	97
25) 2-Butanone	7.21	43	269772	251.103	ug/l	98
26) 2,2-Dichloropropane	7.20	77	318779	43.814	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	242658	50.105	ug/l	99
28) Bromochloromethane	7.54	49	158904	54.070	ug/l	98
29) Tetrahydrofuran	7.56	42	178018	270.823	ug/l	97
30) Chloroform	7.70	83	420453	50.210	ug/l	100
31) Cyclohexane	7.98	56	324883	45.395	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	363478	47.435	ug/l	99
36) 1,1-Dichloropropene	8.11	75	304193	46.229	ug/l	99
37) Ethyl Acetate	7.29	43	123597	49.615	ug/l	98
38) Carbon Tetrachloride	8.09	117	323322	46.269	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	349110	46.383	ug/l	99
40) Benzene	8.34	78	875489	49.179	ug/l	98
41) Methacrylonitrile	7.55	41	173740	131.739	ug/l #	27
42) 1,2-Dichloroethane	8.42	62	270914	49.121	ug/l	99
43) Isopropyl Acetate	8.45	43	242039	51.620	ug/l	99
44) Trichloroethene	9.11	130	233960	49.153	ug/l	98
45) 1,2-Dichloropropane	9.38	63	224190	50.941	ug/l	98
46) Dibromomethane	9.47	93	124550	51.502	ug/l	100
47) Bromodichloromethane	9.66	83	328056	49.782	ug/l	97
48) Methyl methacrylate	9.45	41	116777	48.964	ug/l	91
49) 1,4-Dioxane	9.46	88	26992	1041.941	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	638908	264.673	ug/l	100
52) Toluene	10.40	92	576028	50.510	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	301694	51.248	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	355148	50.792	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	167560	52.550	ug/l	95
56) Ethyl methacrylate	10.66	69	200098	55.301	ug/l	98
57) 1,3-Dichloropropane	10.94	76	285921	51.097	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	411818	259.141	ug/l	99
59) 2-Hexanone	10.98	43	428569	264.227	ug/l	99
60) Dibromochloromethane	11.14	129	212012	51.030	ug/l	97
61) 1,2-Dibromoethane	11.24	107	159561	52.167	ug/l	99
64) Tetrachloroethene	10.87	164	187473	46.344	ug/l	92
65) Chlorobenzene	11.67	112	589456	48.044	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	222971	49.255	ug/l	98
67) Ethyl Benzene	11.74	91	1091916	49.134	ug/l	98
68) m/p-Xylenes	11.85	106	832722	99.142	ug/l	98
69) o-Xylene	12.18	106	375156	50.544	ug/l	100
70) Styrene	12.19	104	668565	51.177	ug/l	99
71) Bromoform	12.36	173	114795	50.530	ug/l #	99
73) Isopropylbenzene	12.48	105	1012108	49.535	ug/l	100
74) N-amyl acetate	12.28	43	223167	51.778	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	176320	50.784	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	231815	98.950	ug/l #	100
77) Bromobenzene	12.76	156	229453	48.724	ug/l	100
78) n-propylbenzene	12.82	91	1208990	48.540	ug/l	98
79) 2-Chlorotoluene	12.91	91	688794	48.907	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	862136	49.904	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	52057	47.956	ug/l	96
82) 4-Chlorotoluene	13.00	91	732972	49.220	ug/l	100
83) tert-Butylbenzene	13.23	119	710167	49.875	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	865971	50.157	ug/l	100
85) sec-Butylbenzene	13.40	105	987972	48.398	ug/l	100
86) p-Isopropyltoluene	13.52	119	915740	49.344	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	443692	49.109	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	435554	48.412	ug/l	99
89) n-Butylbenzene	13.84	91	851140	48.232	ug/l	99
90) Hexachloroethane	14.11	117	186784	48.994	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	380348	49.131	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	28031	49.945	ug/l	94

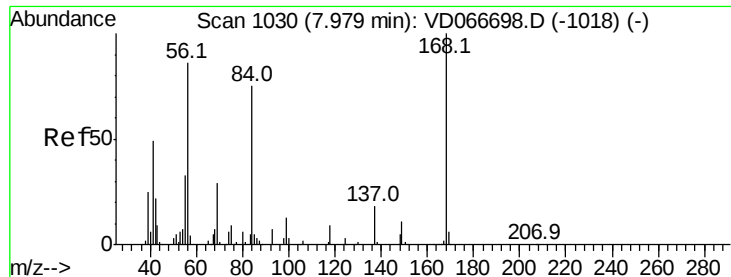
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091620\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	235983	50.399	ug/l	98
94) Hexachlorobutadiene	15.27	225	133382	47.281	ug/l	98
95) Naphthalene	15.41	128	445781	54.491	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	210416	51.449	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

Instrument :

MSVOA_D

ClientSampleId :

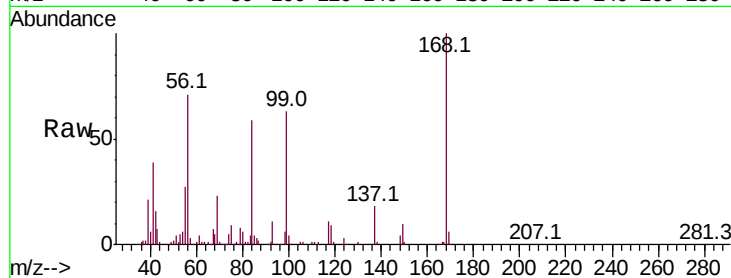
VSTDCCC050EC

Tot Ion:168 Resp: 379739

Ion Ratio Lower Upper

168 100

99 62.8 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

150000

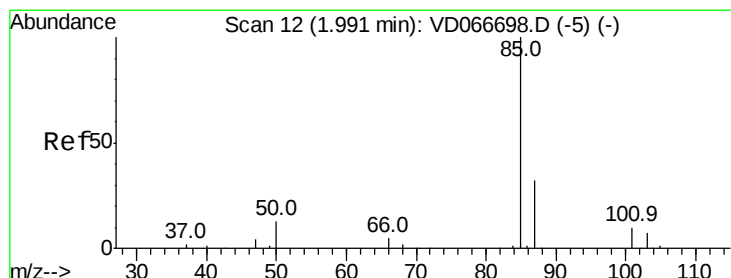
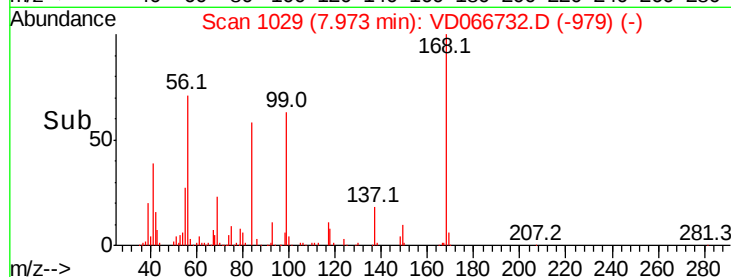
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.367 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066732.D

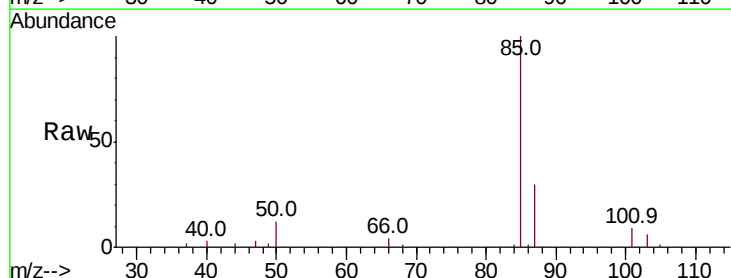
Acq: 16 Sep 2020 21:00

Tgt Ion: 85 Resp: 126261

Ion Ratio Lower Upper

85 100

87 30.3 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

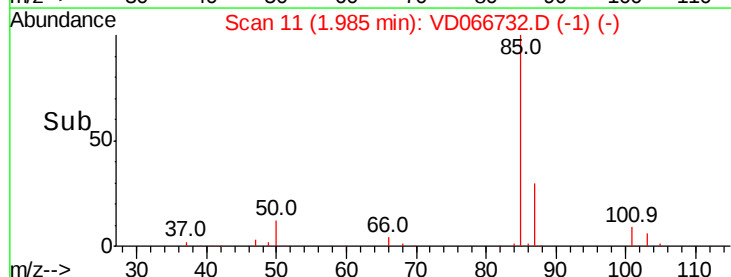
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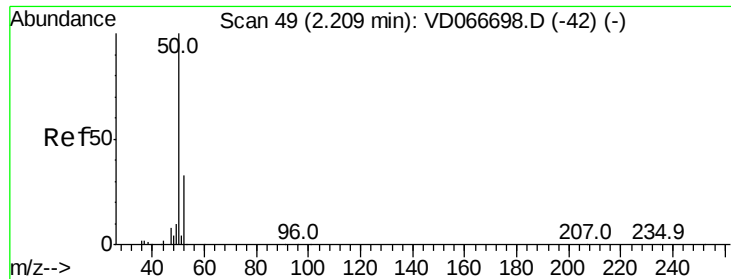
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 44.187 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

Instrument :

MSVOA_D

ClientSampleId :

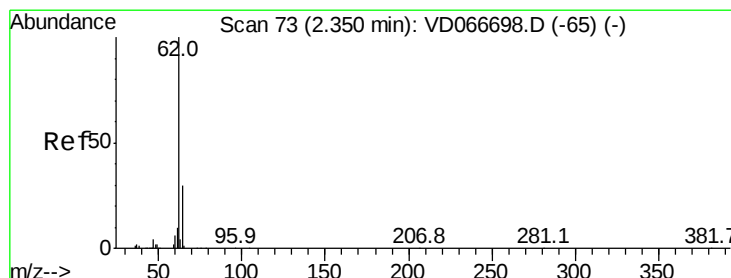
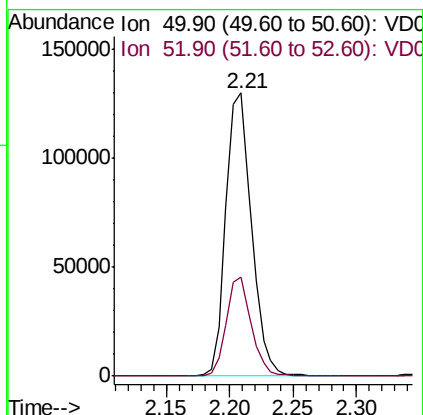
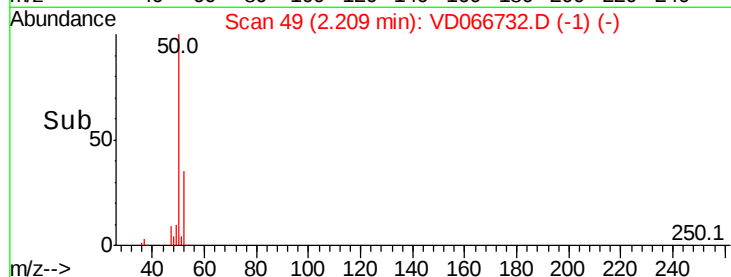
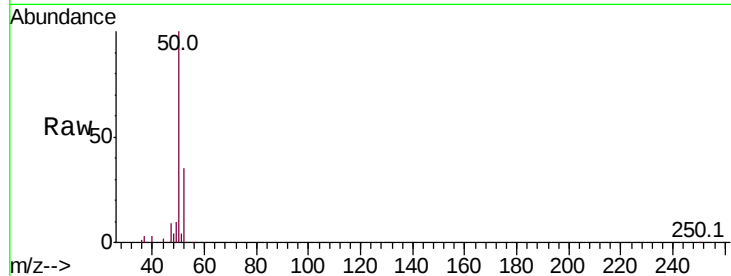
VSTDCCC050EC

Tot Ion: 50 Resp: 182595

Ion Ratio Lower Upper

50 100

52 35.2 26.8 40.2



#4

Vinyl Chloride

Concen: 42.789 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066732.D

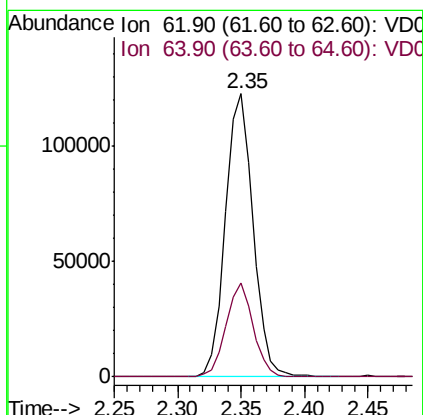
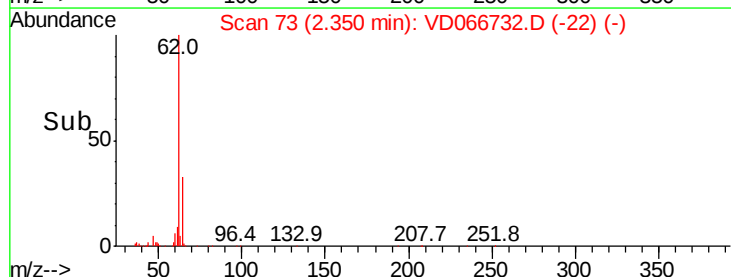
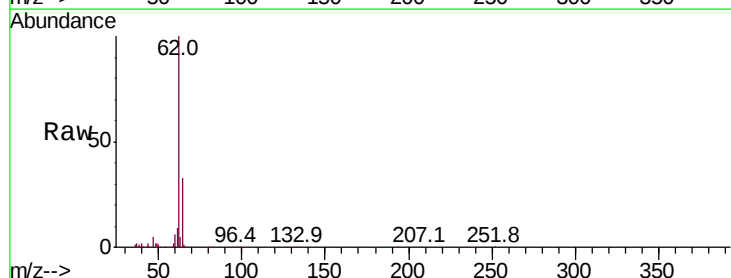
Acq: 16 Sep 2020 21:00

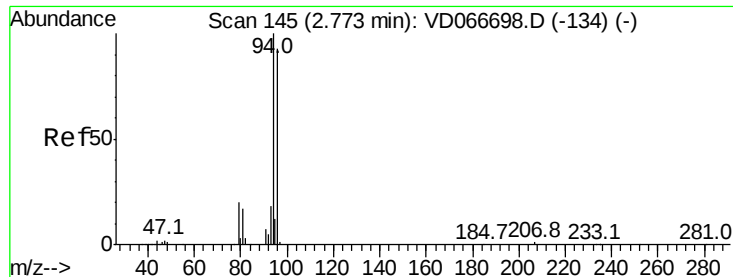
Tgt Ion: 62 Resp: 185053

Ion Ratio Lower Upper

62 100

64 33.2 24.4 36.6





#5

Bromomethane

Concen: 45.274 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

Instrument :

MSVOA_D

ClientSampleId :

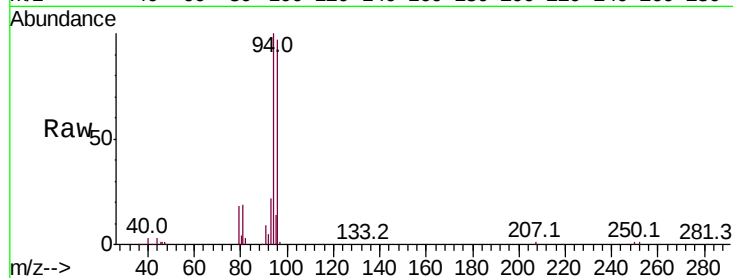
VSTDCCC050EC

Tot Ion: 94 Resp: 138899

Ion Ratio Lower Upper

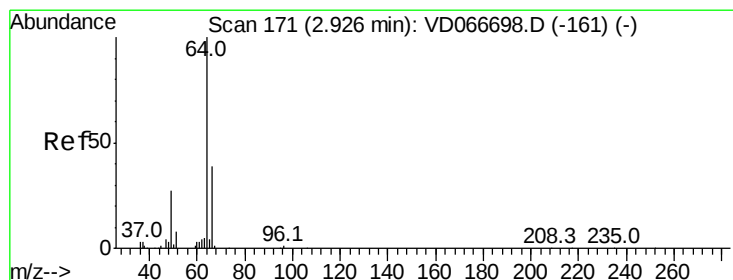
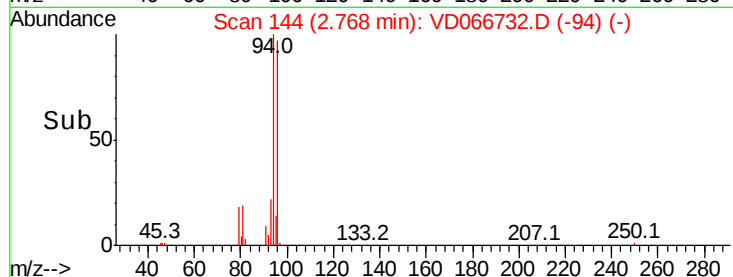
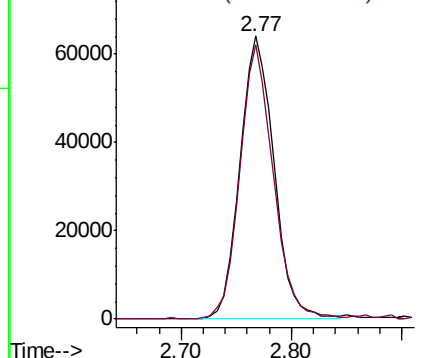
94 100

96 97.0 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 44.905 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD066732.D

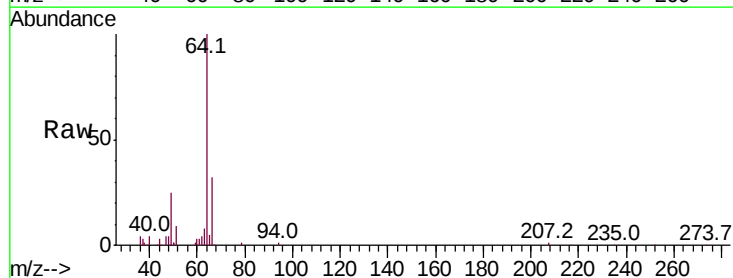
Acq: 16 Sep 2020 21:00

Tgt Ion: 64 Resp: 120982

Ion Ratio Lower Upper

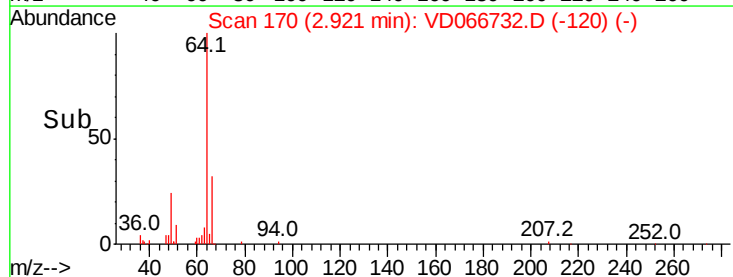
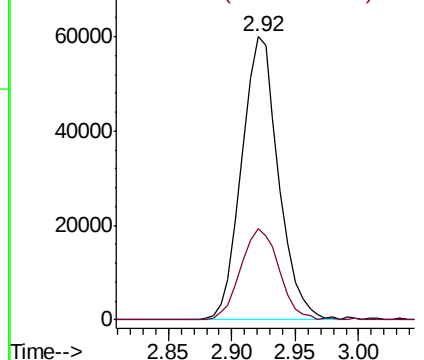
64 100

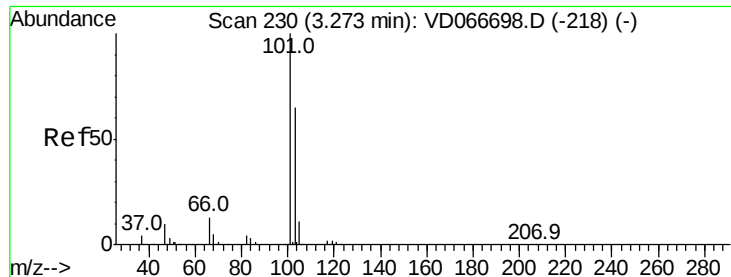
66 32.5 30.9 46.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



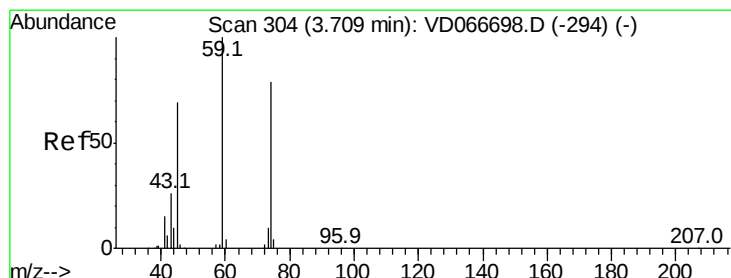
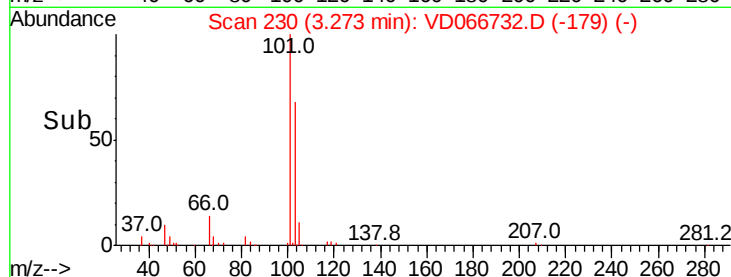
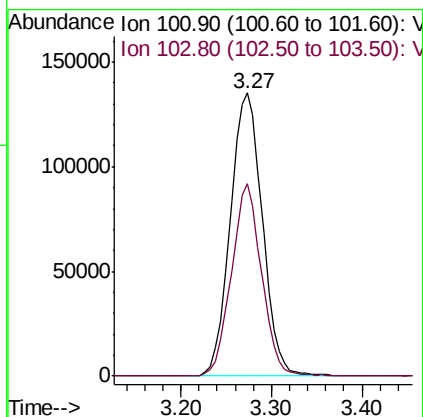
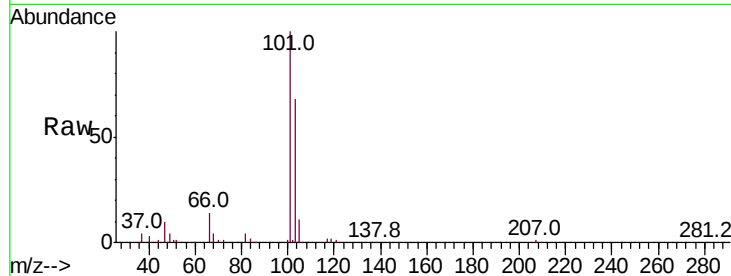


#7

Trichlorofluoromethane
 Concen: 44.465 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD066732.D
 Acq: 16 Sep 2020 21:00

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

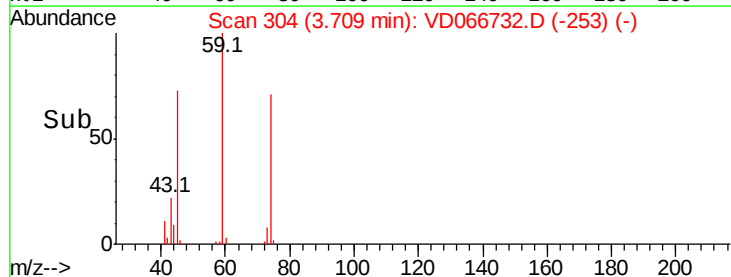
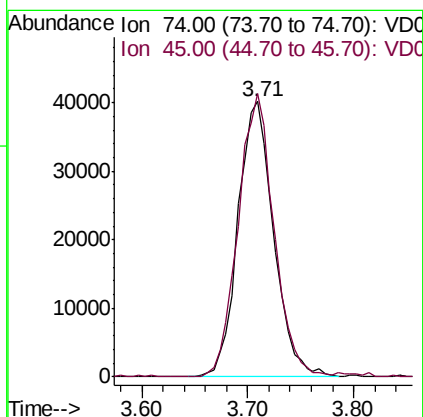
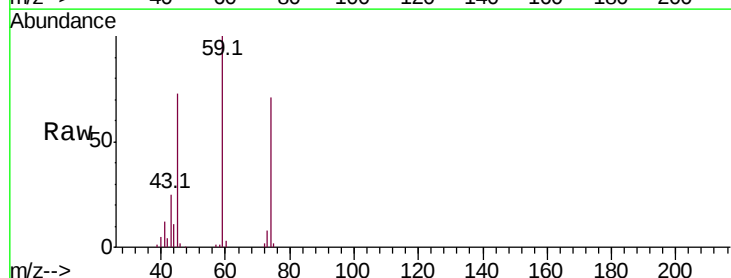
Tot Ion:101 Resp: 332154
 Ion Ratio Lower Upper
 101 100
 103 67.9 51.8 77.8

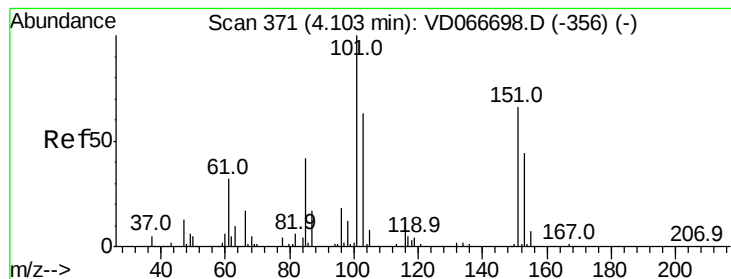


#8

Diethyl Ether
 Concen: 50.295 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD066732.D
 Acq: 16 Sep 2020 21:00

Tgt Ion: 74 Resp: 94078
 Ion Ratio Lower Upper
 74 100
 45 103.3 48.0 144.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.096 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

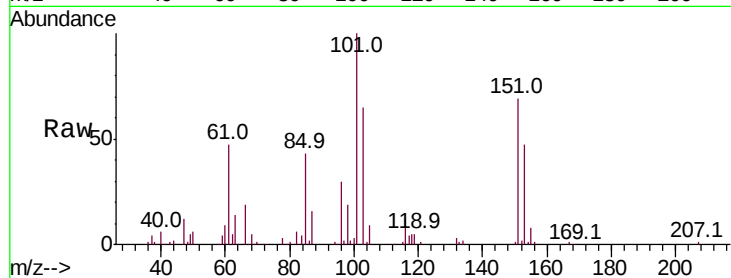
Tot Ion:101 Resp: 185128

Ion Ratio Lower Upper

101 100

85 46.0 36.3 54.5

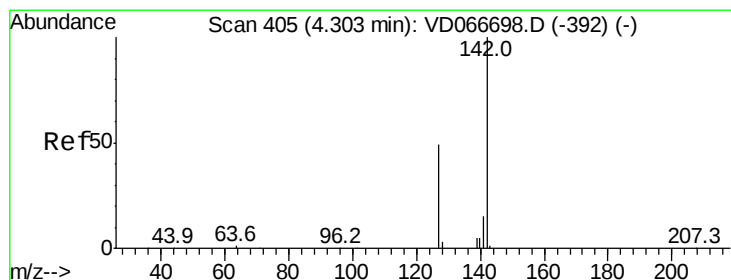
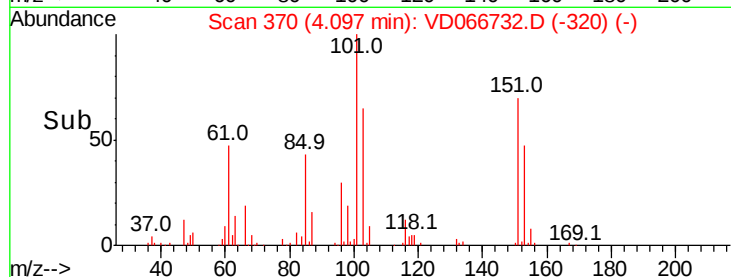
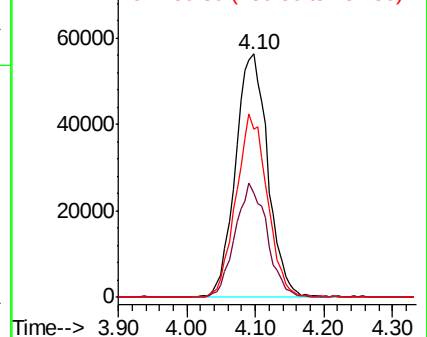
151 72.5 58.0 87.0



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: 44.374 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

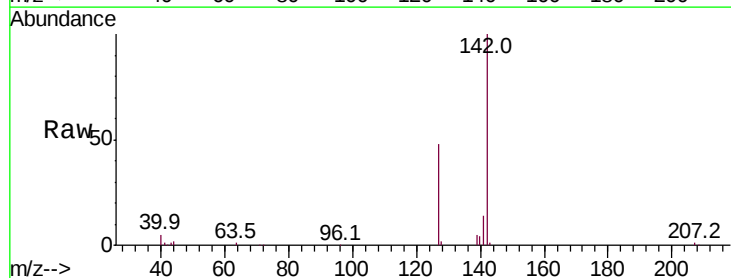
Tgt Ion:142 Resp: 172838

Ion Ratio Lower Upper

142 100

127 48.0 39.0 58.4

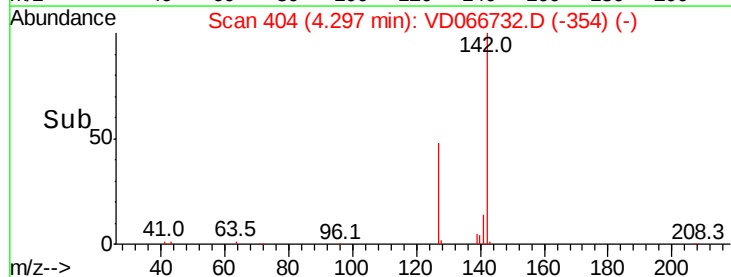
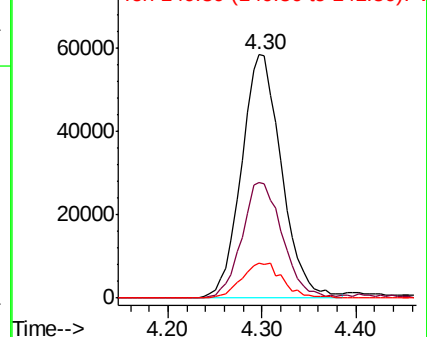
141 15.0 11.7 17.5

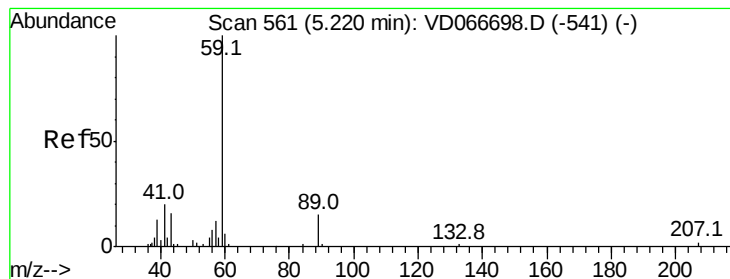


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



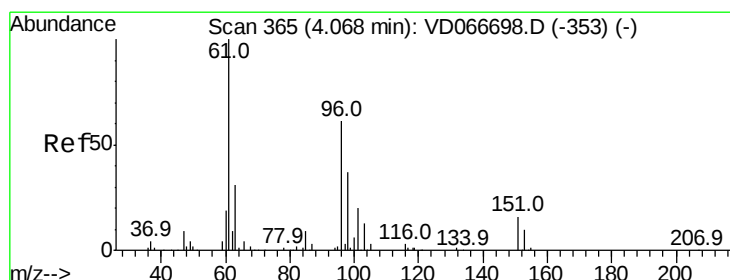
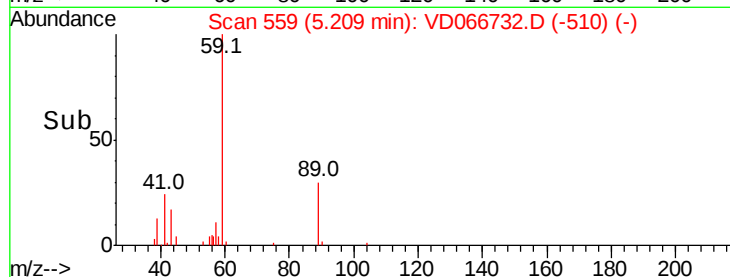
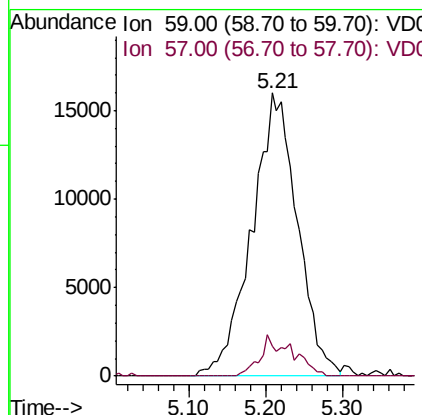
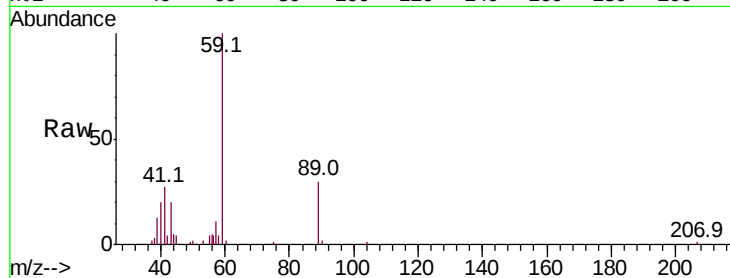


#11

Tert butyl alcohol
Concen: 251.457 ug/l
RT: 5.21 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD066732.D
Acq: 16 Sep 2020 21:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

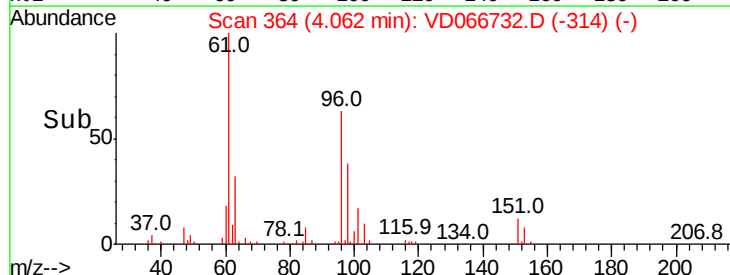
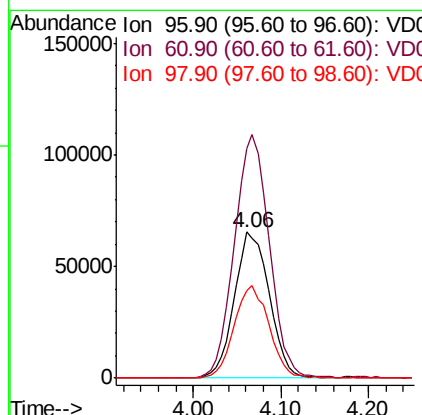
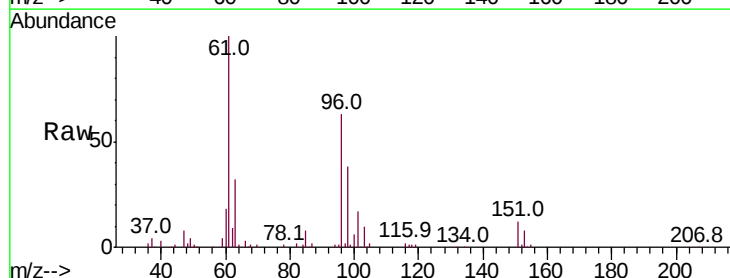
Tot Ion: 59 Resp: 66043
Ion Ratio Lower Upper
59 100
57 4.9 6.7 10.1#

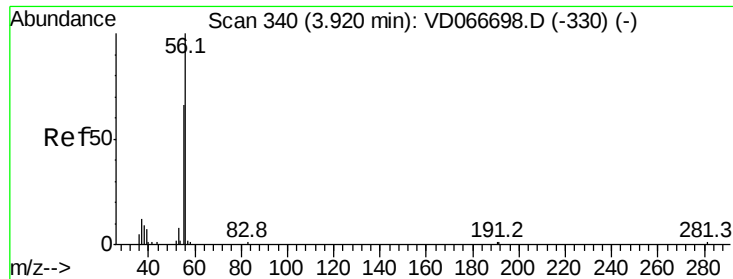


#12

1,1-Dichloroethene
Concen: 46.976 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD066732.D
Acq: 16 Sep 2020 21:00

Tgt Ion: 96 Resp: 178495
Ion Ratio Lower Upper
96 100
61 157.8 131.9 197.9
98 60.0 49.1 73.7





#13

Acrolein

Concen: 244.448 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

Instrument :

MSVOA_D

ClientSampleId :

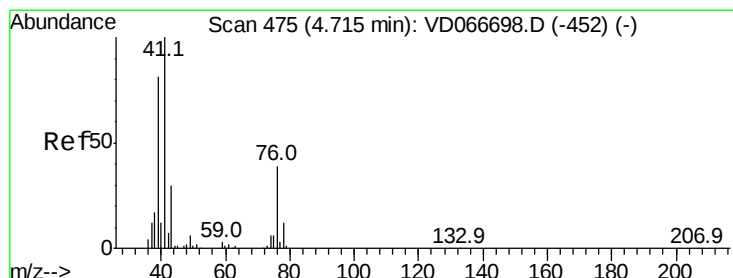
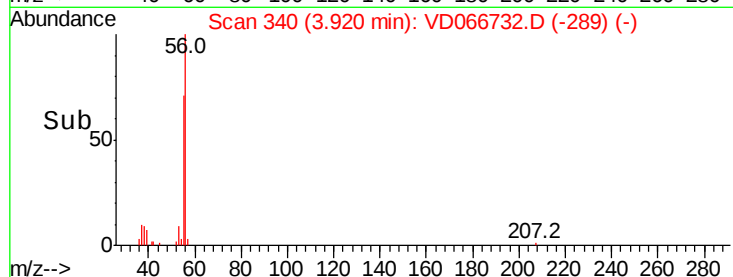
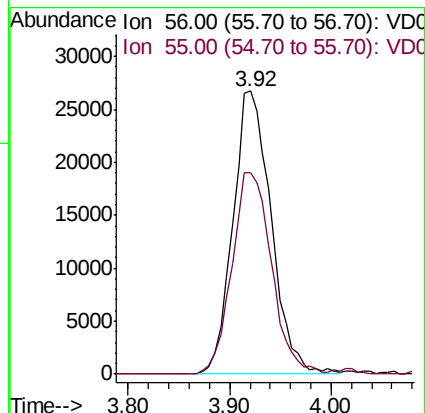
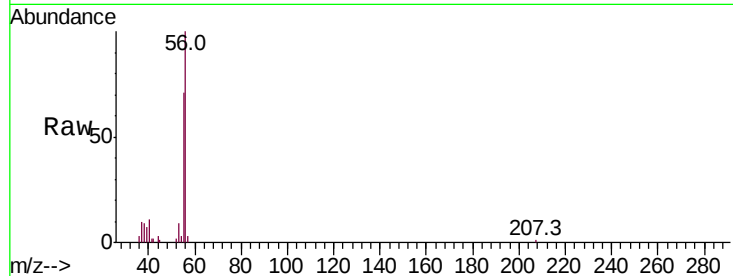
VSTDCCC050EC

Tot Ion: 56 Resp: 69851

Ion Ratio Lower Upper

56 100

55 74.0 54.7 82.1



#14

Allyl chloride

Concen: 48.605 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

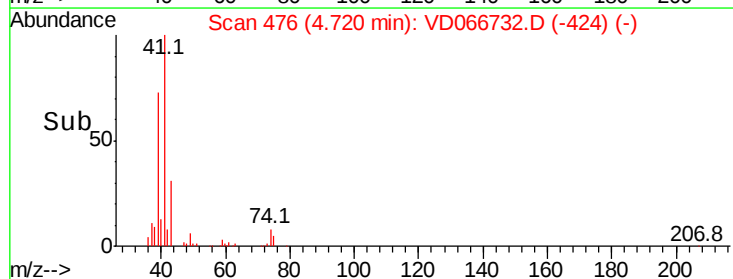
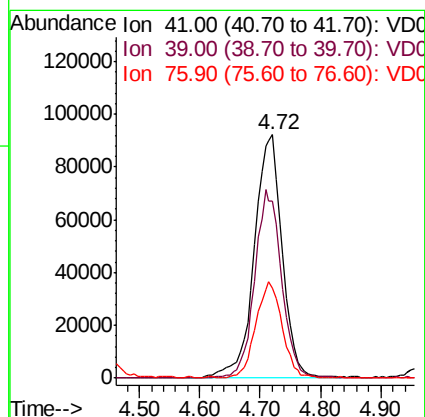
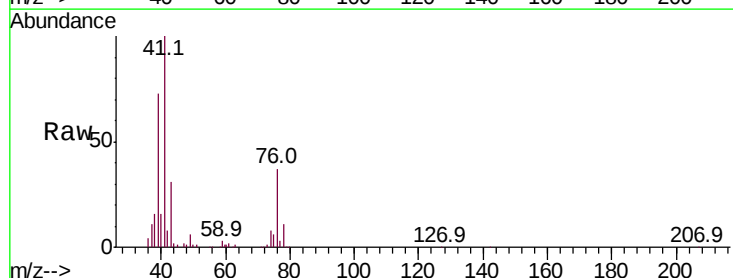
Tgt Ion: 41 Resp: 296597

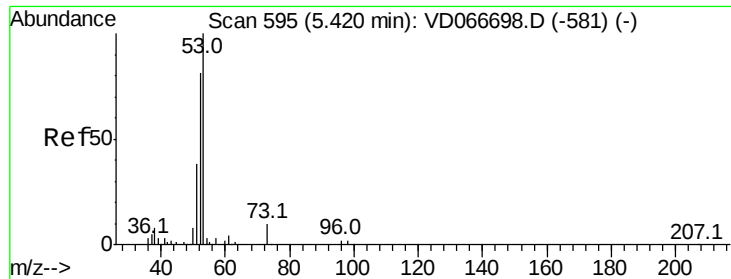
Ion Ratio Lower Upper

41 100

39 74.0 60.6 90.8

76 37.3 29.2 43.8





#15

Acrylonitrile

Concen: 260.729 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

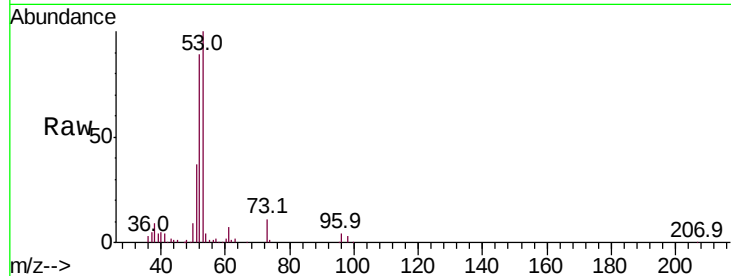
Tot Ion: 53 Resp: 213646

Ion Ratio Lower Upper

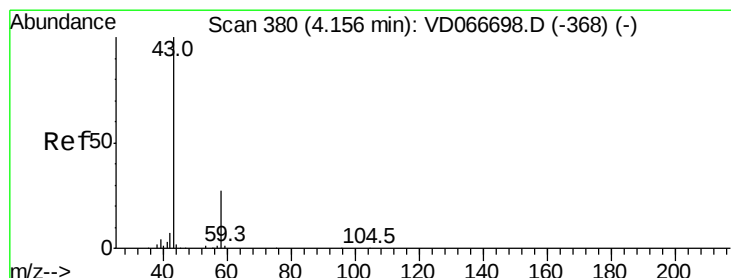
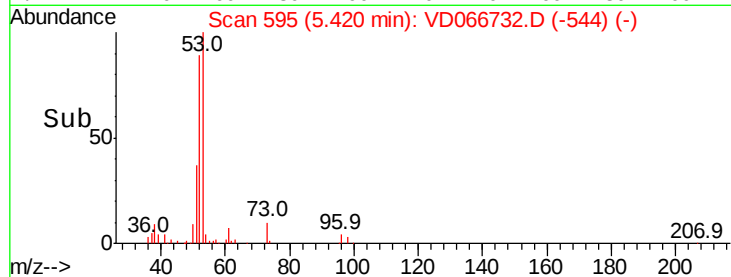
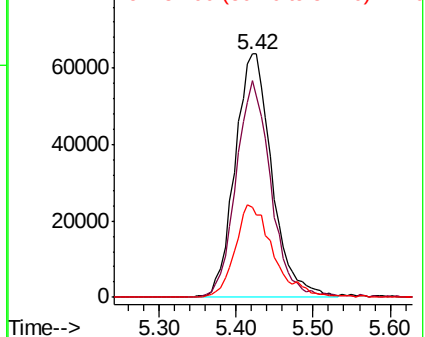
53 100

52 83.1 66.6 99.8

51 39.3 31.0 46.6



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 214.638 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066732.D

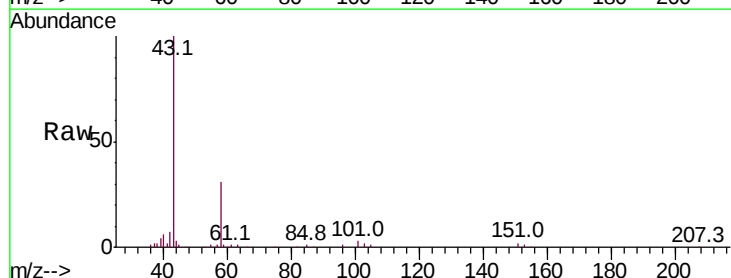
Acq: 16 Sep 2020 21:00

Tgt Ion: 43 Resp: 177089

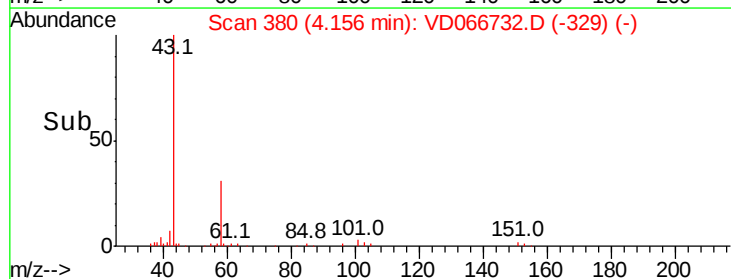
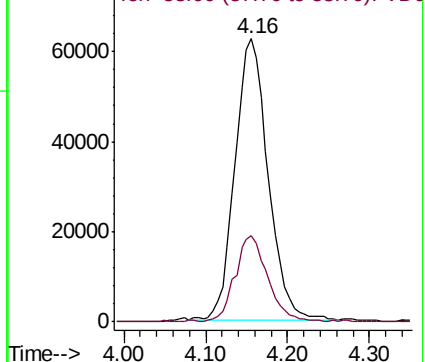
Ion Ratio Lower Upper

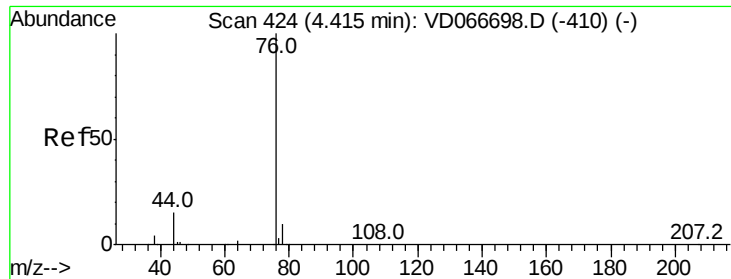
43 100

58 30.5 21.9 32.9



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

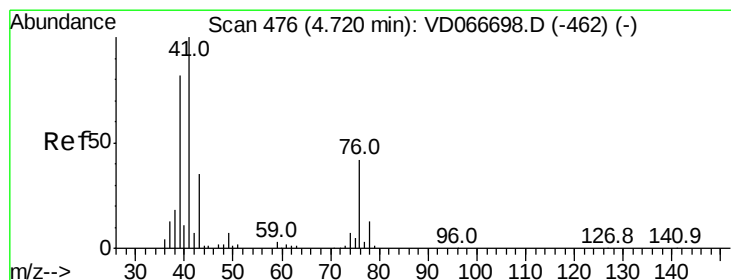
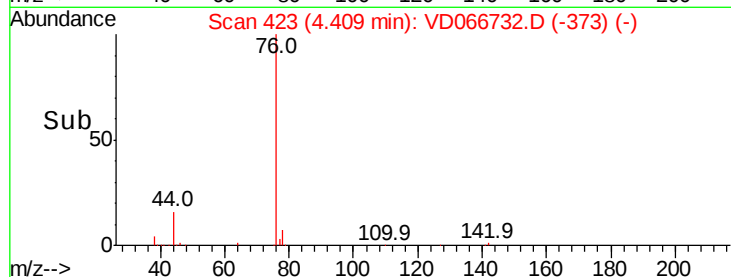
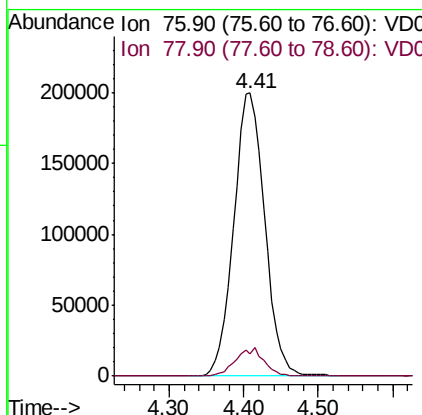
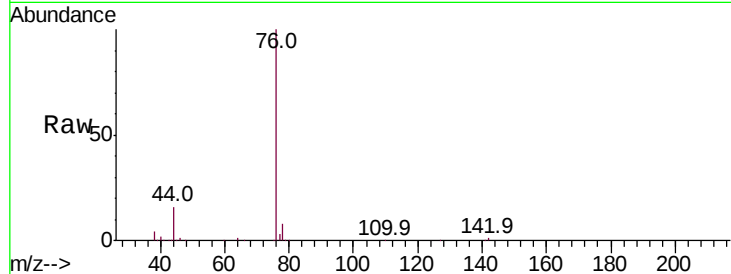




#17
Carbon Disulfide
Concen: 48.266 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD066732.D
Acq: 16 Sep 2020 21:00

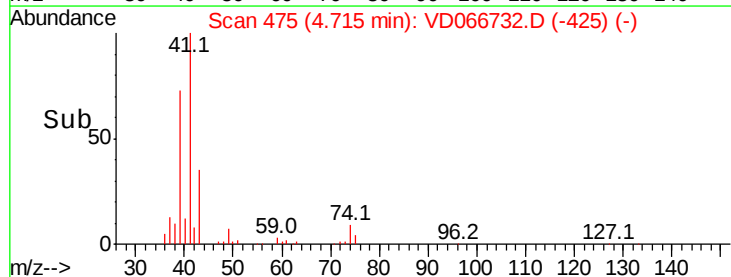
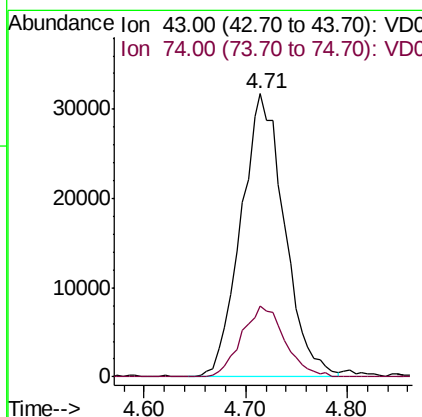
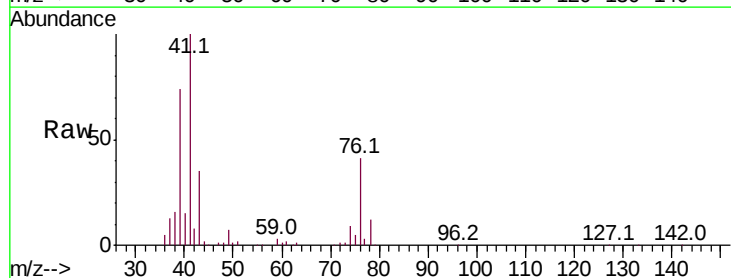
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

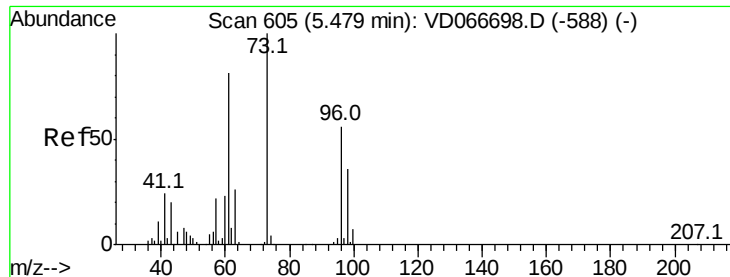
Tot Ion: 76 Resp: 576292
Ion Ratio Lower Upper
76 100
78 7.9 8.0 12.0#



#18
Methyl Acetate
Concen: 54.001 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD066732.D
Acq: 16 Sep 2020 21:00

Tgt Ion: 43 Resp: 94589
Ion Ratio Lower Upper
43 100
74 24.8 18.6 28.0



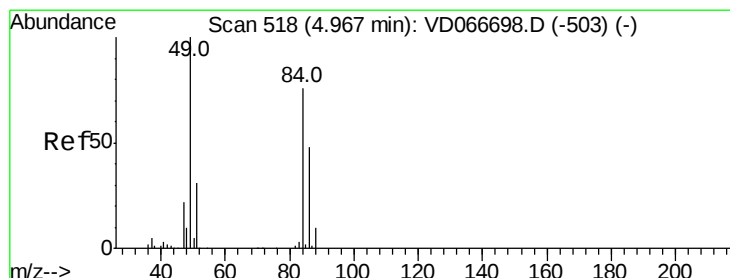
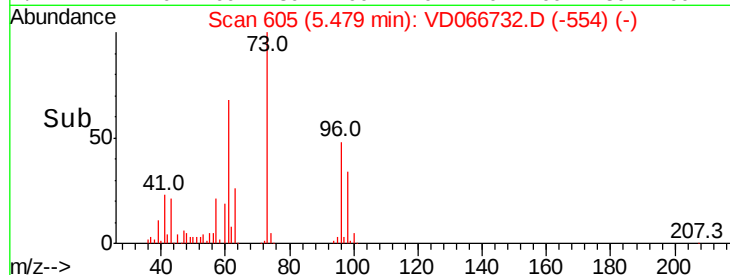
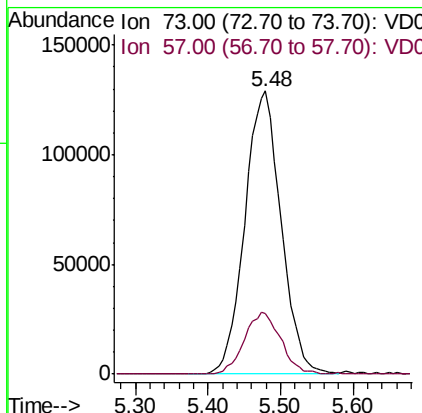
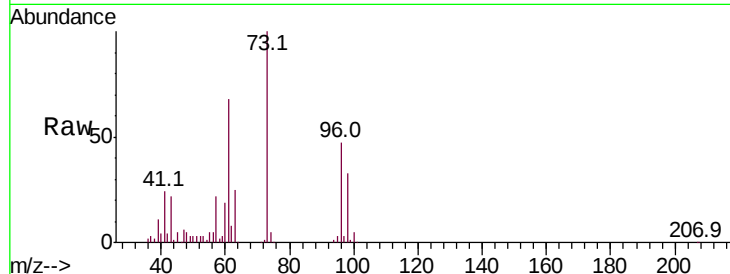


#19

Methyl tert-butyl Ether
 Concen: 52.939 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD066732.D
 Acq: 16 Sep 2020 21:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

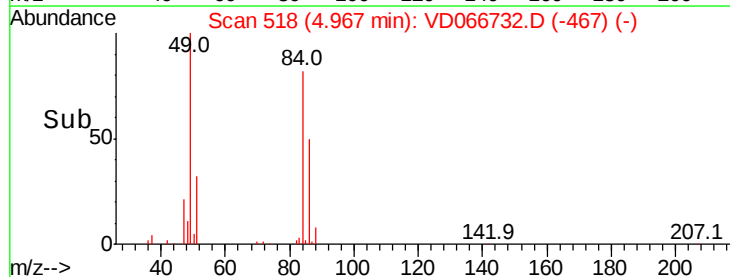
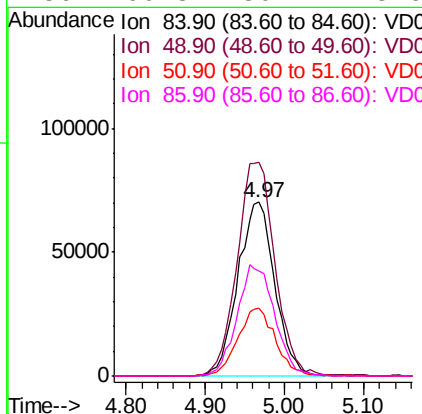
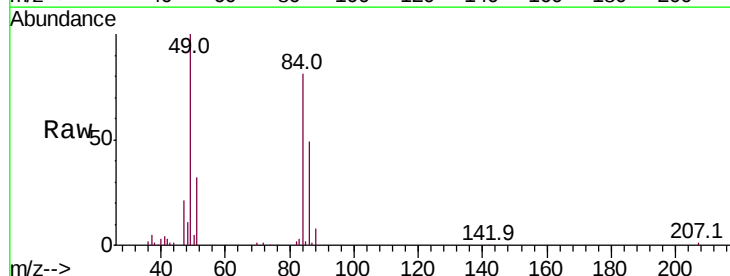
Tot Ion: 73 Resp: 448043
 Ion Ratio Lower Upper
 73 100
 57 21.6 17.8 26.6

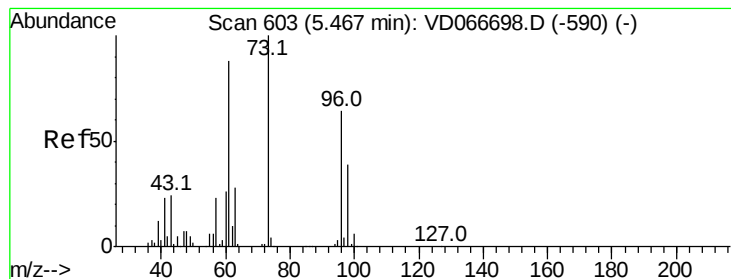


#20

Methylene Chloride
 Concen: 51.502 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD066732.D
 Acq: 16 Sep 2020 21:00

Tgt Ion: 84 Resp: 227433
 Ion Ratio Lower Upper
 84 100
 49 122.8 105.0 157.6
 51 39.2 32.2 48.4
 86 60.3 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 49.233 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

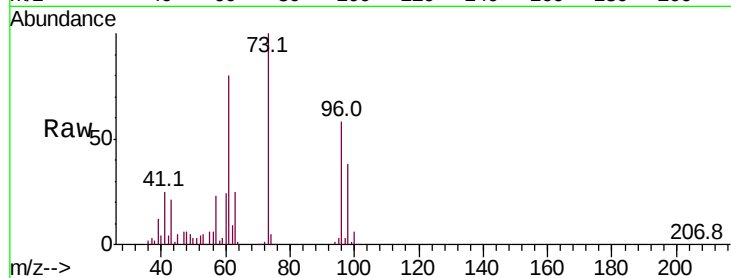
Tot Ion: 96 Resp: 217951

Ion Ratio Lower Upper

96 100

61 137.8 110.6 166.0

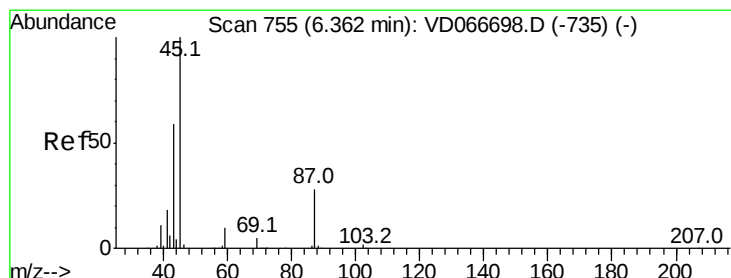
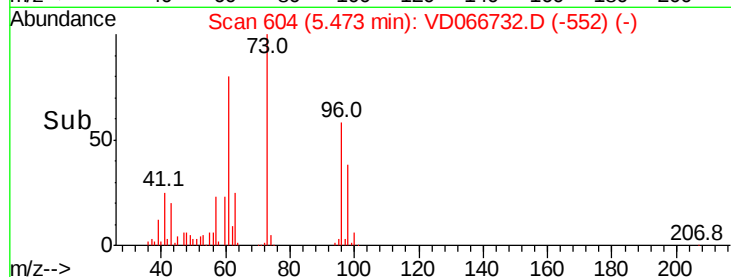
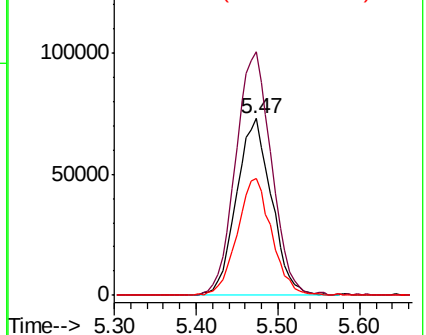
98 66.1 49.2 73.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 52.589 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

Tgt Ion: 45 Resp: 652059

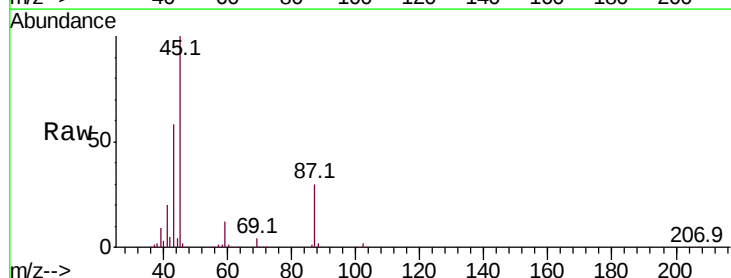
Ion Ratio Lower Upper

45 100

43 56.8 46.9 70.3

87 29.6 22.4 33.6

59 12.3 8.5 12.7

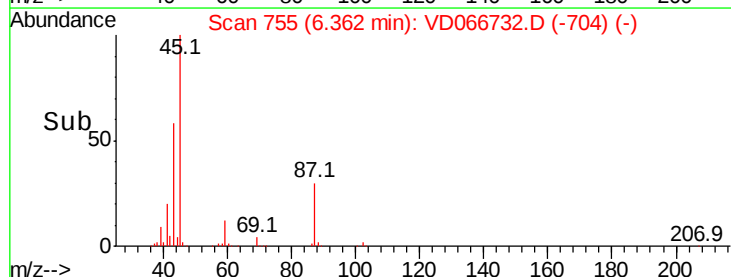
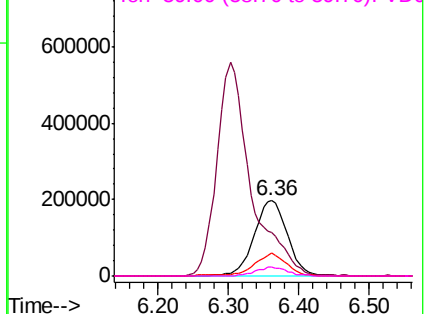


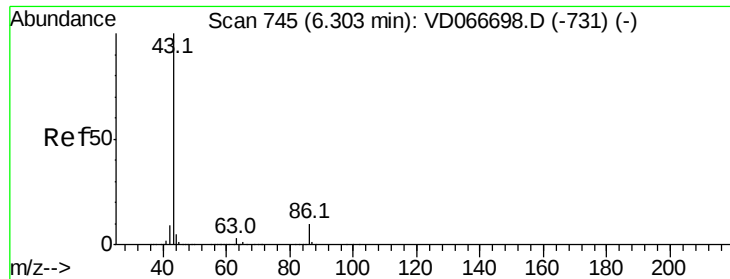
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC

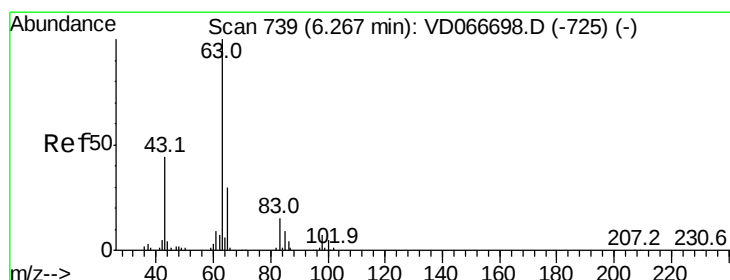
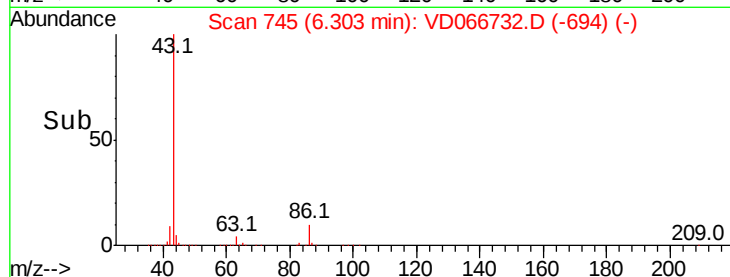
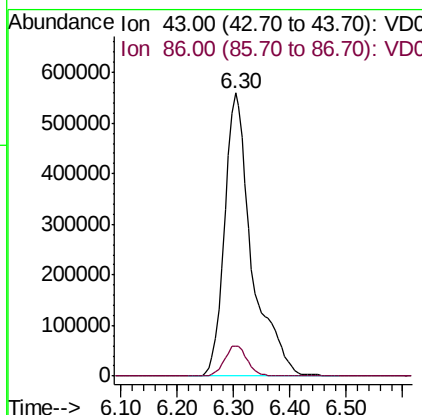
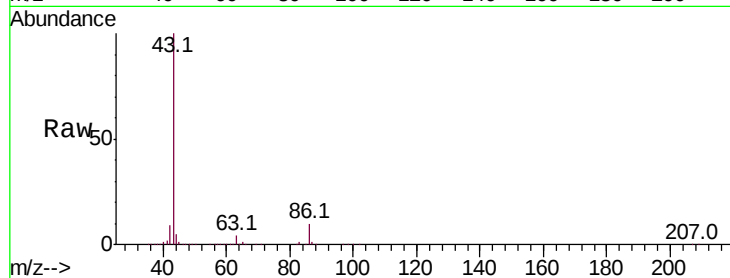




#23
 Vinyl Acetate
 Concen: 273.276 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VD066732.D
 Acq: 16 Sep 2020 21:00

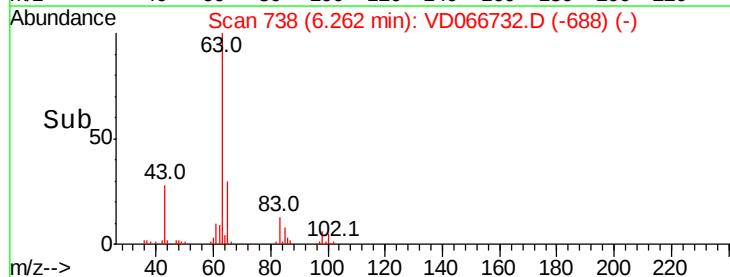
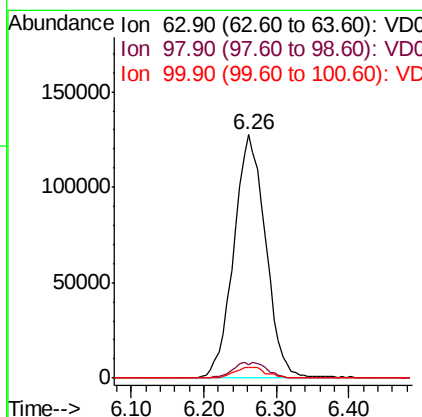
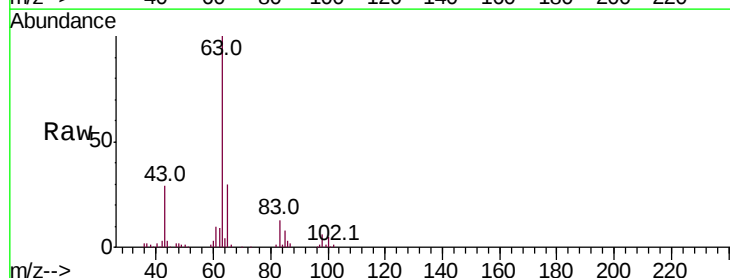
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

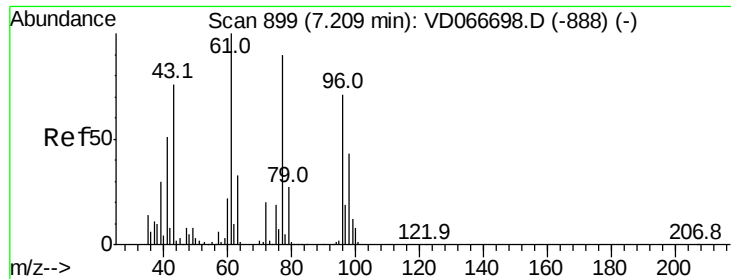
Tot Ion: 43 Resp: 1884778
 Ion Ratio Lower Upper
 43 100
 86 10.4 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 49.527 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD066732.D
 Acq: 16 Sep 2020 21:00

Tgt Ion: 63 Resp: 389682
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.4 10.2
 100 4.5 2.6 8.0





#25

2-Butanone

Concen: 251.103 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

Instrument :

MSVOA_D

ClientSampleId :

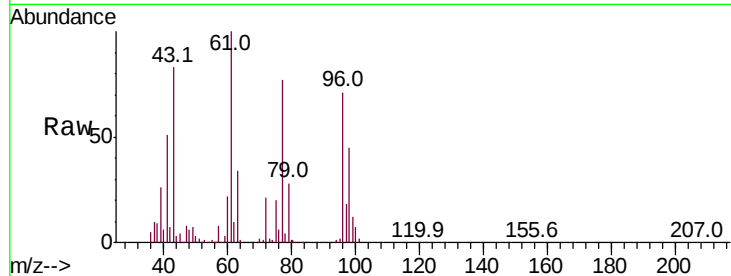
VSTDCCC050EC

Tot Ion: 43 Resp: 269772

Ion Ratio Lower Upper

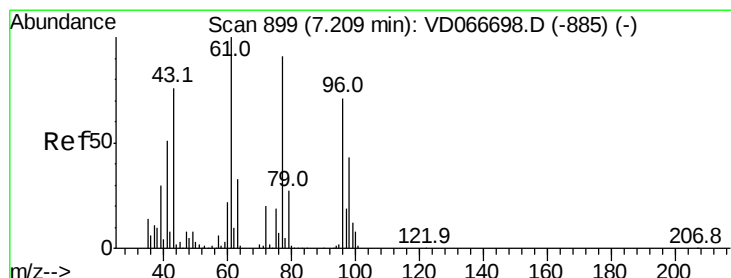
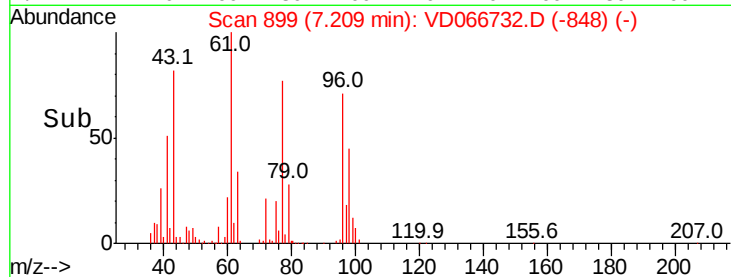
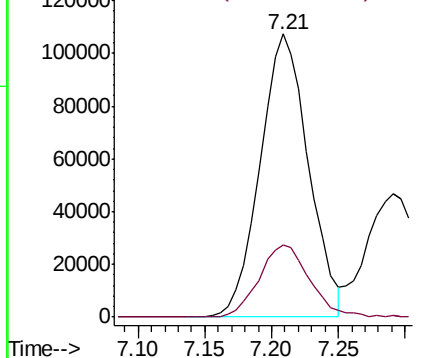
43 100

72 25.3 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 43.814 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066732.D

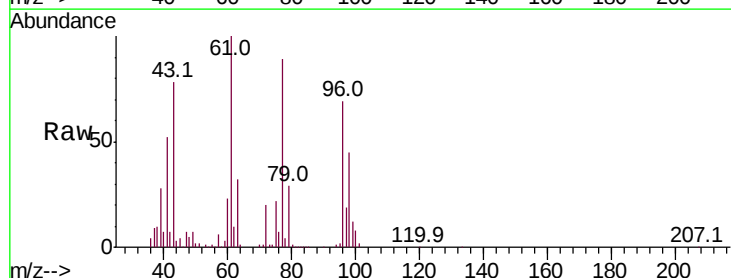
Acq: 16 Sep 2020 21:00

Tgt Ion: 77 Resp: 318779

Ion Ratio Lower Upper

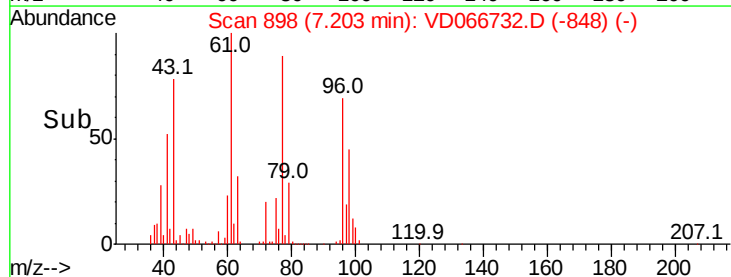
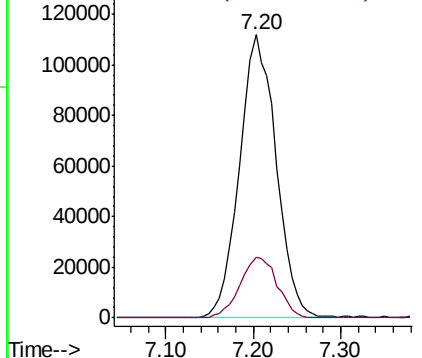
77 100

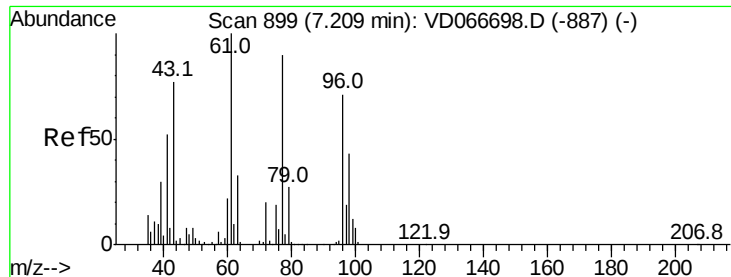
97 21.8 10.6 31.8



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 50.105 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

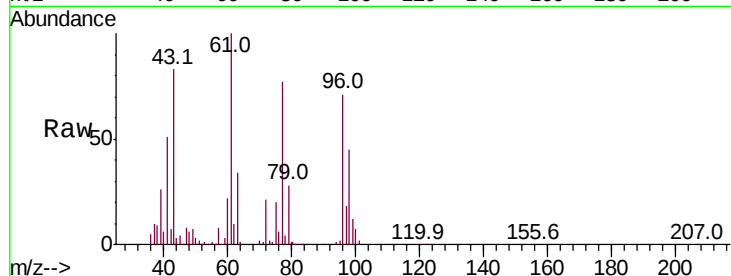
Tot Ion: 96 Resp: 242658

Ion Ratio Lower Upper

96 100

61 145.4 0.0 292.4

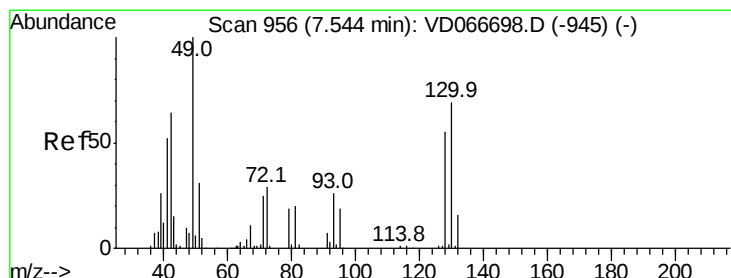
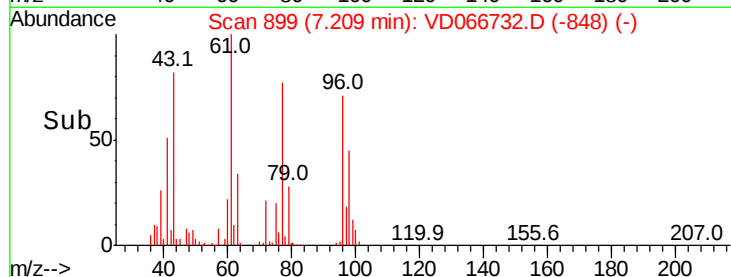
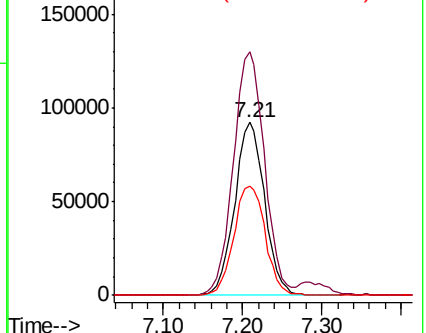
98 66.0 0.0 127.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 54.070 ug/l

RT: 7.54 min Scan# 956

Delta R.T. 0.00 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

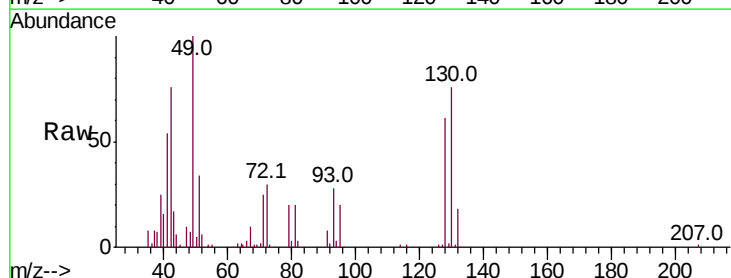
Tgt Ion: 49 Resp: 158904

Ion Ratio Lower Upper

49 100

129 2.2 0.0 3.8

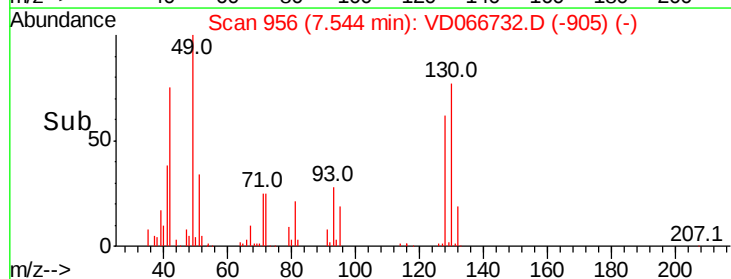
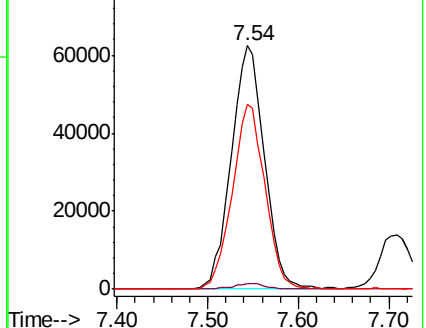
130 74.8 58.6 88.0

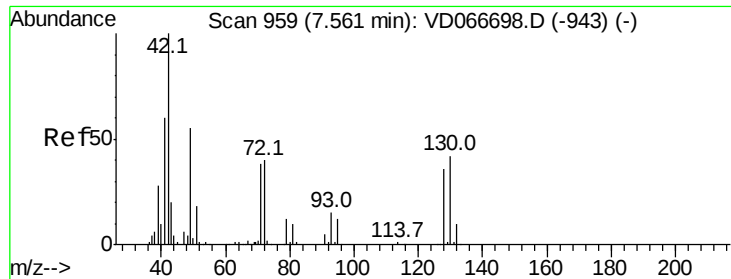


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

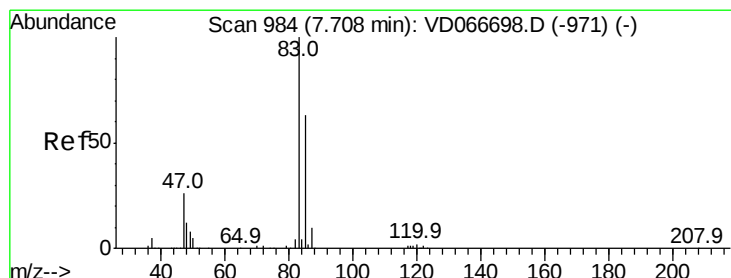
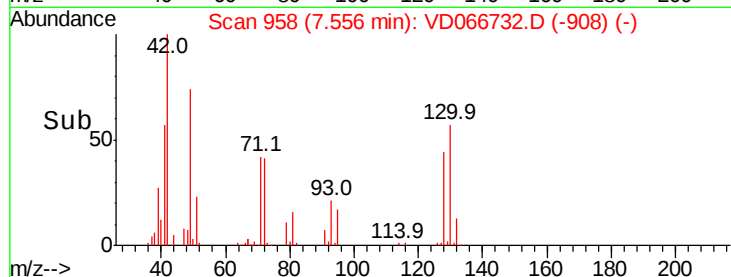
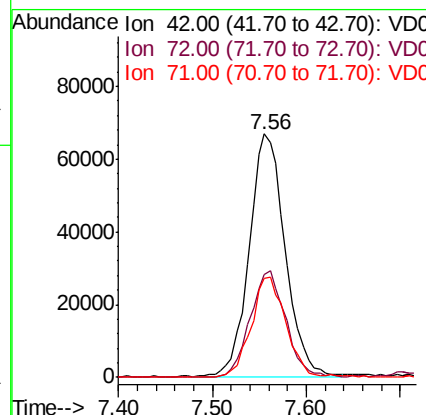
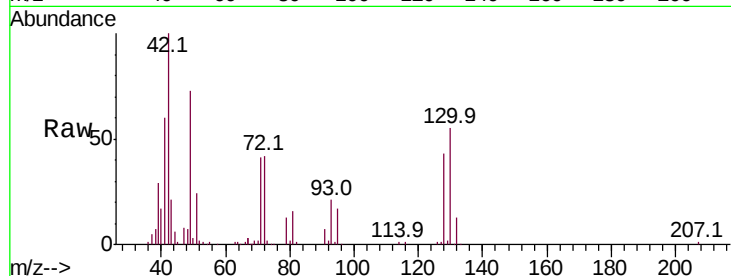




#29
Tetrahydrofuran
Concen: 270.823 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066732.D
Acq: 16 Sep 2020 21:00

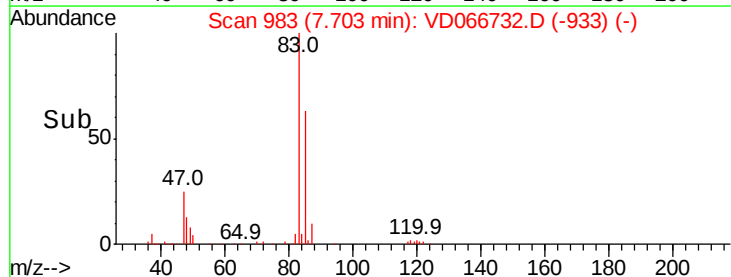
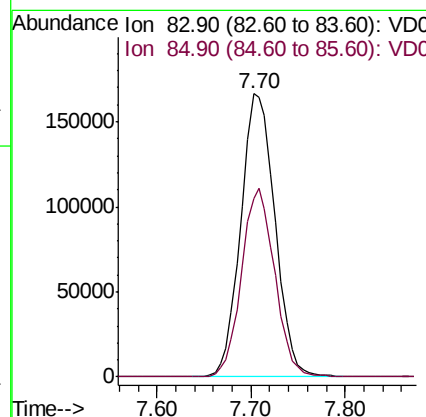
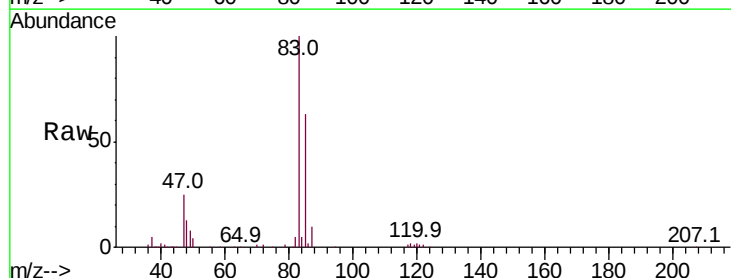
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

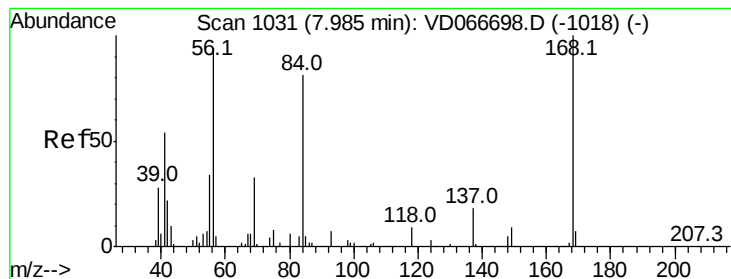
Tot Ion: 42 Resp: 178018
Ion Ratio Lower Upper
42 100
72 43.0 32.6 48.8
71 39.4 30.6 45.8



#30
Chloroform
Concen: 50.210 ug/l
RT: 7.70 min Scan# 983
Delta R.T. -0.01 min
Lab File: VD066732.D
Acq: 16 Sep 2020 21:00

Tgt Ion: 83 Resp: 420453
Ion Ratio Lower Upper
83 100
85 63.1 50.6 76.0





#31

Cyclohexane

Concen: 45.395 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

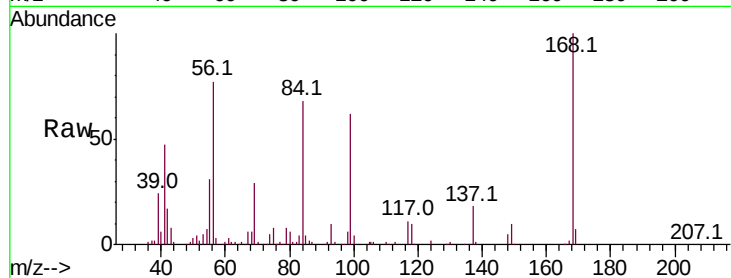
Tot Ion: 56 Resp: 324883

Ion Ratio Lower Upper

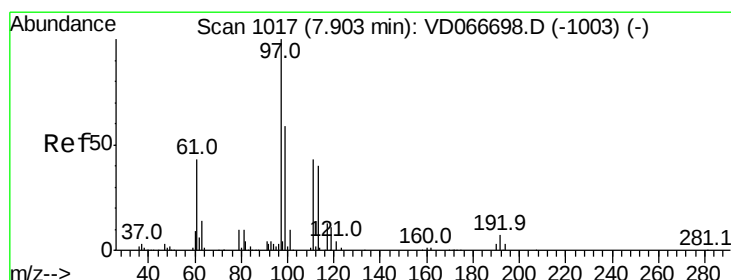
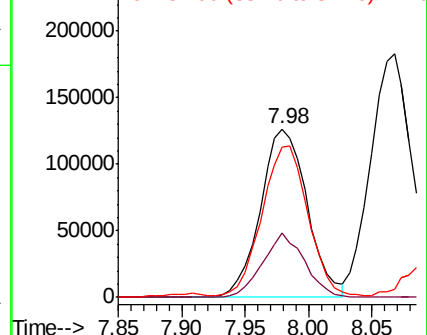
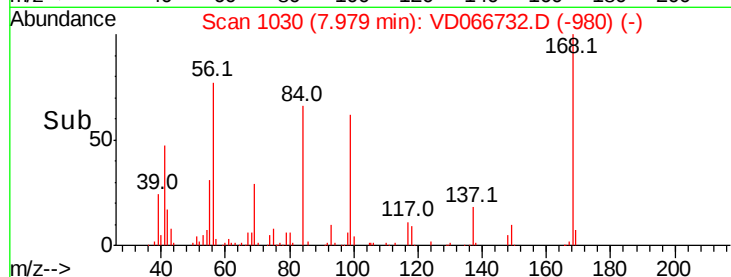
56 100

69 38.0 27.7 41.5

84 86.7 68.5 102.7



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



#32

1,1,1-Trichloroethane

Concen: 47.435 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

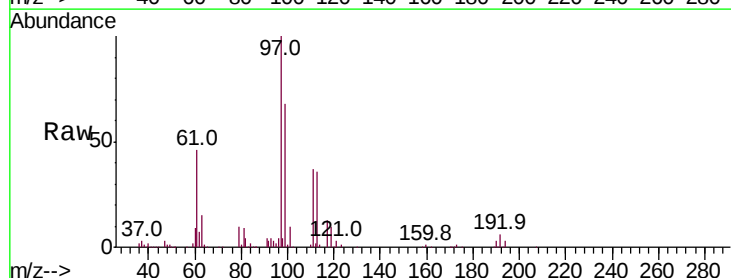
Tgt Ion: 97 Resp: 363478

Ion Ratio Lower Upper

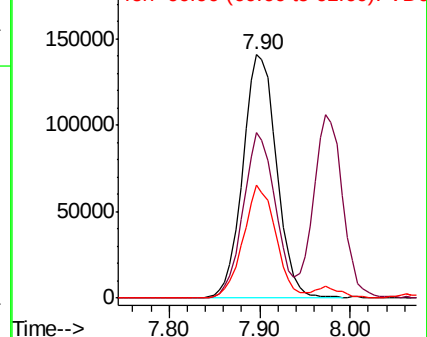
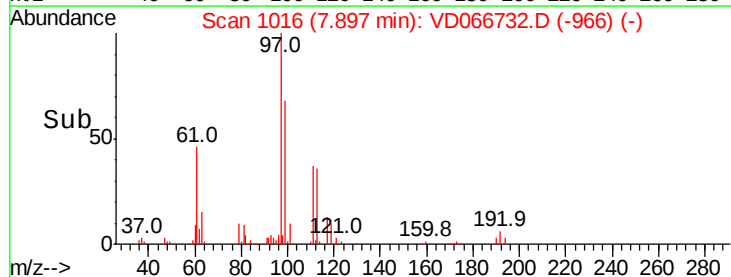
97 100

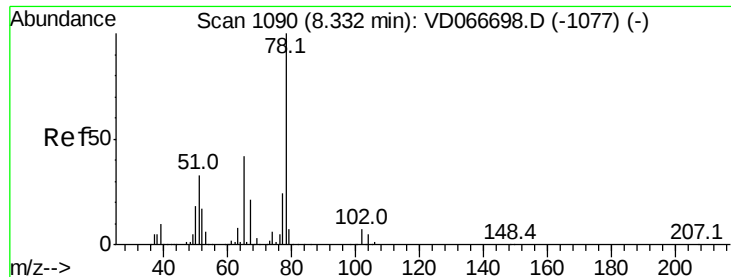
99 65.0 51.0 76.4

61 44.8 35.2 52.8



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





#33

1,2-Dichloroethane-d4

Concen: 51.962 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

Instrument :

MSVOA_D

ClientSampleId :

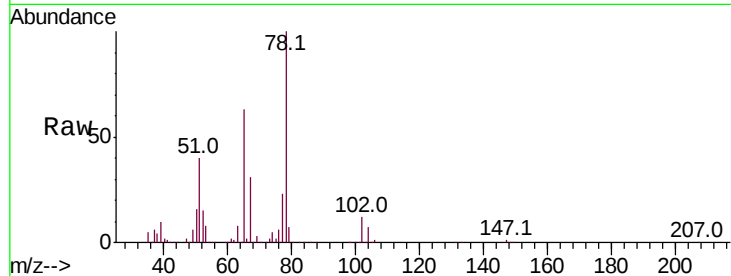
VSTDCCC050EC

Tot Ion: 65 Resp: 210529

Ion Ratio Lower Upper

65 100

67 51.4 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

60000

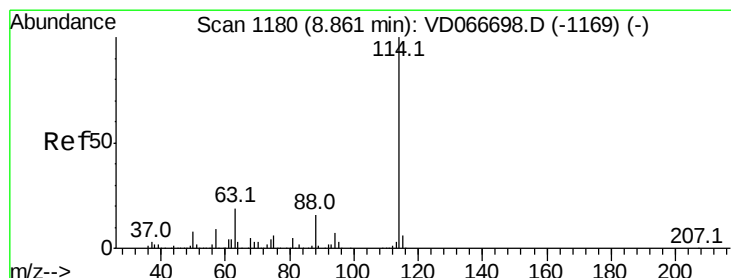
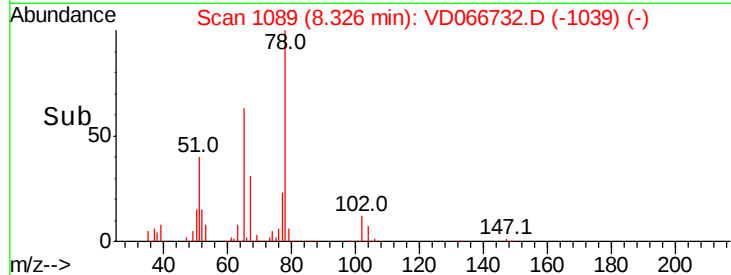
40000

20000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

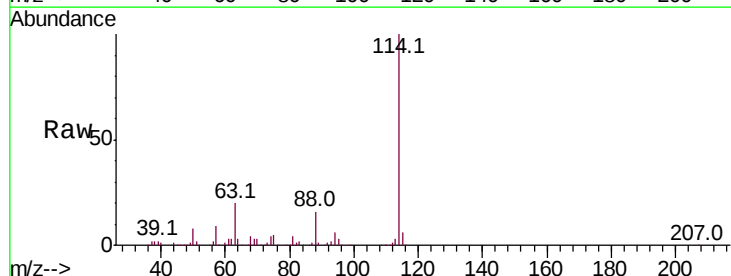
Tgt Ion: 114 Resp: 640010

Ion Ratio Lower Upper

114 100

63 20.3 0.0 37.6

88 15.6 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

400000

300000

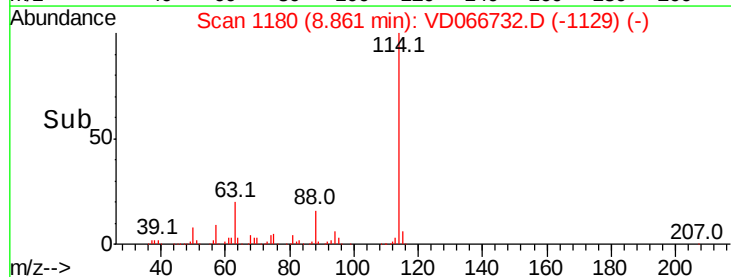
200000

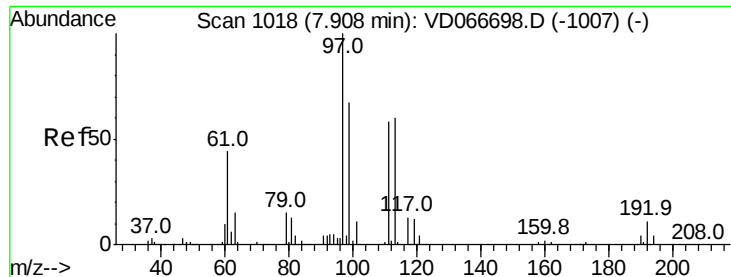
100000

0

8.80 8.85 8.90 9.00

Time-->





#35

Dibromofluoromethane

Concen: 51.595 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

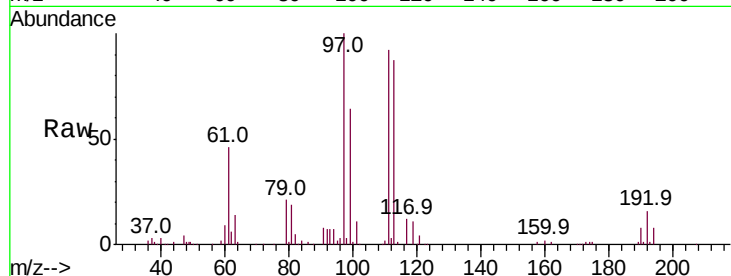
Tot Ion:113 Resp: 202454

Ion Ratio Lower Upper

113 100

111 102.9 83.2 124.8

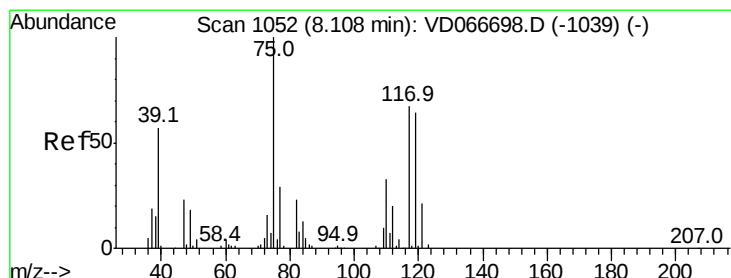
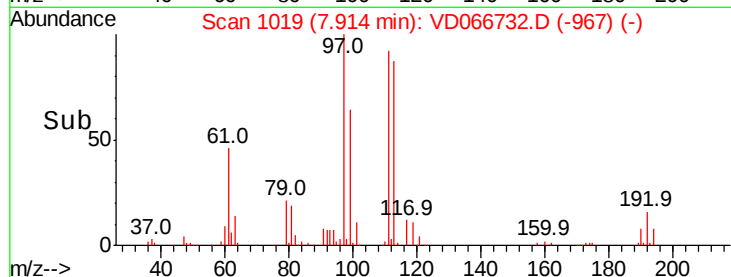
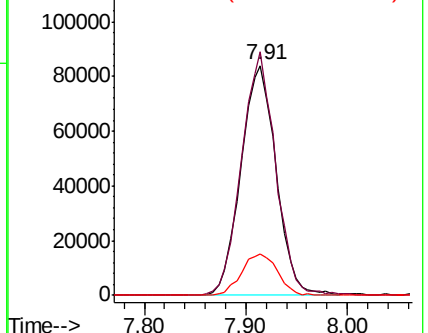
192 18.3 14.8 22.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 46.229 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

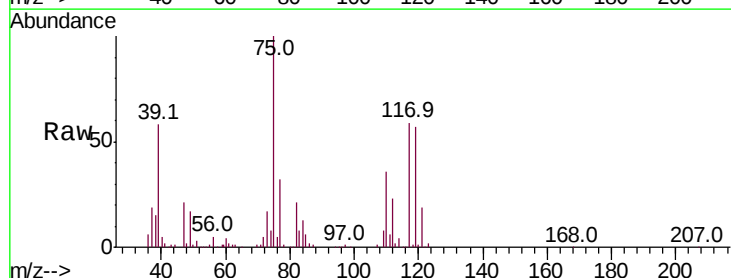
Tgt Ion: 75 Resp: 304193

Ion Ratio Lower Upper

75 100

110 35.0 17.1 51.2

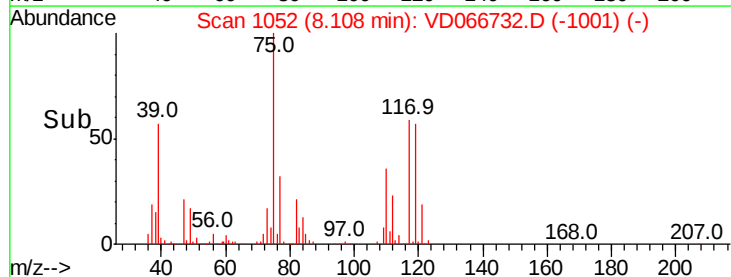
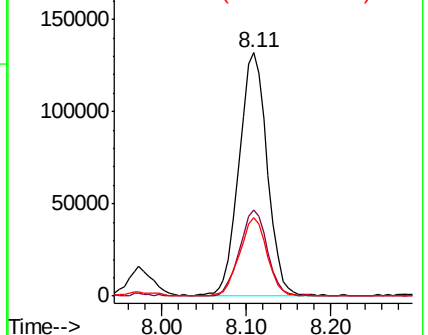
77 31.7 25.0 37.6

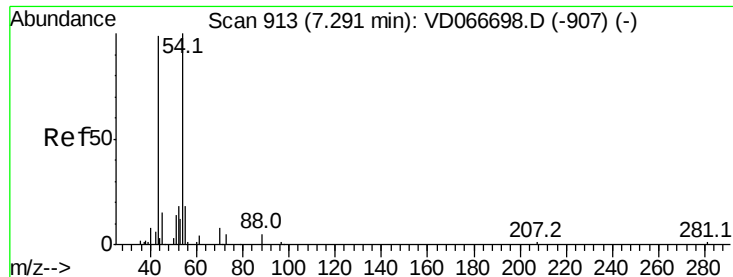


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

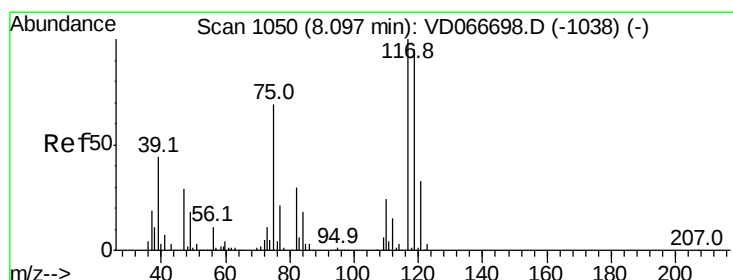
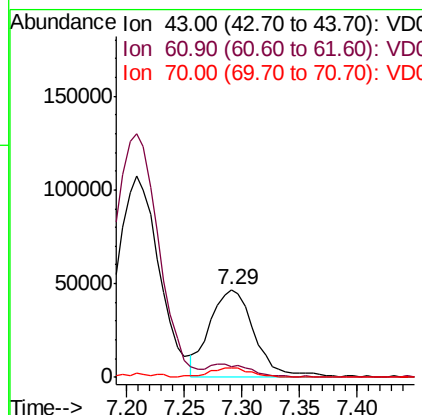
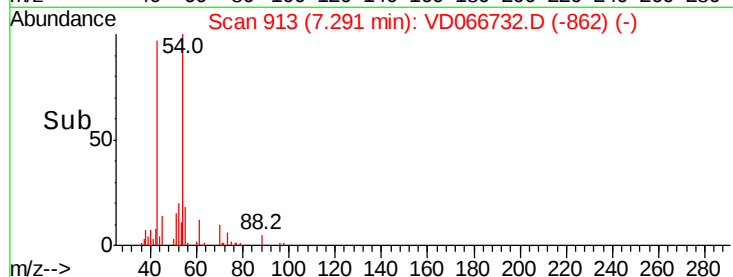
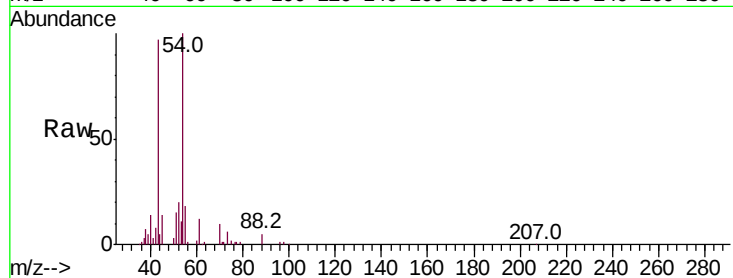




#37
Ethyl Acetate
Concen: 49.615 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066732.D
Acq: 16 Sep 2020 21:00

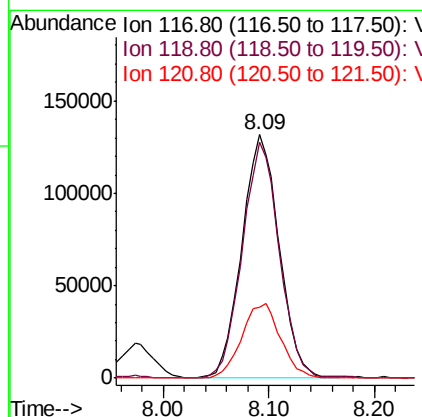
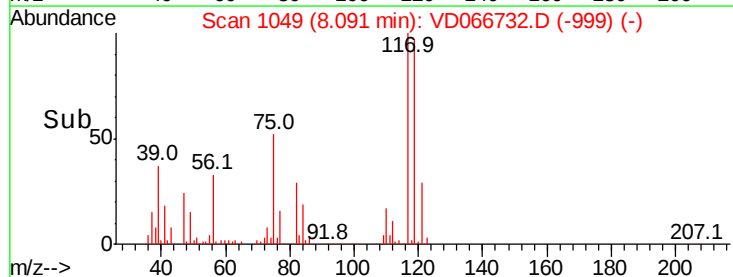
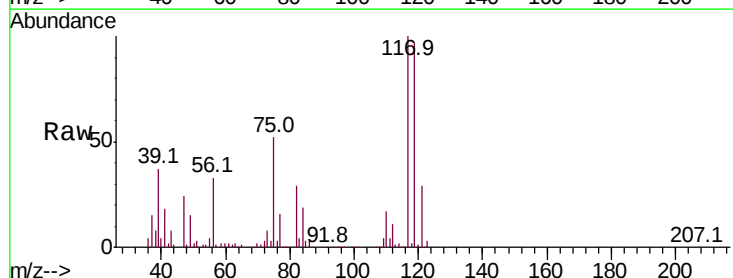
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

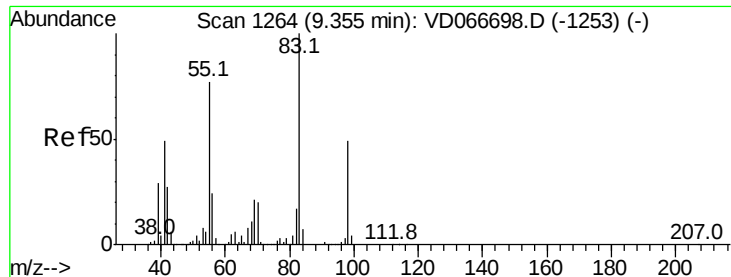
Tot Ion: 43 Resp: 123597
Ion Ratio Lower Upper
43 100
61 14.2 10.4 15.6
70 9.9 7.5 11.3



#38
Carbon Tetrachloride
Concen: 46.269 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD066732.D
Acq: 16 Sep 2020 21:00

Tgt Ion: 117 Resp: 323322
Ion Ratio Lower Upper
117 100
119 97.1 75.8 113.6
121 29.0 26.2 39.4

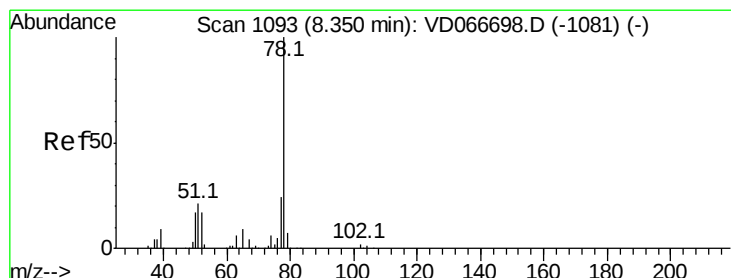
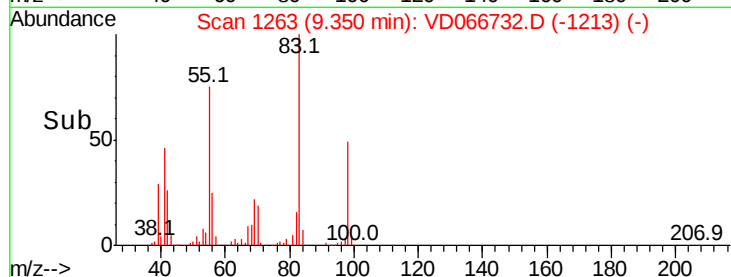
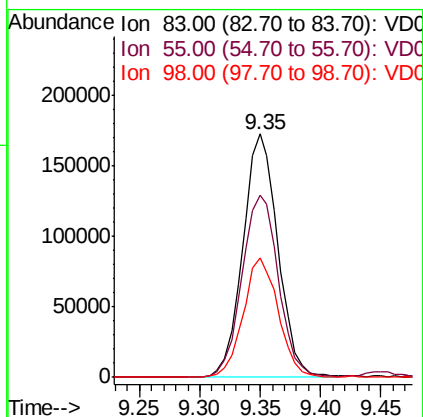
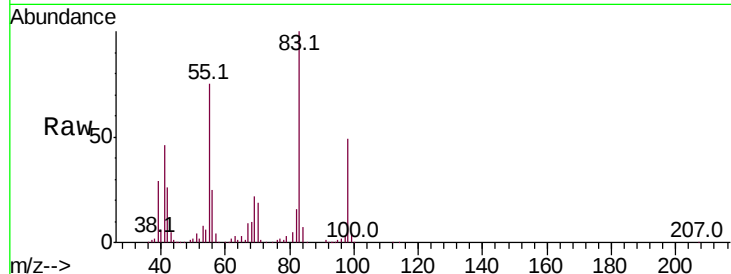




#39
Methvlcvclohexane
Concen: 46.383 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD066732.D
Acq: 16 Sep 2020 21:00

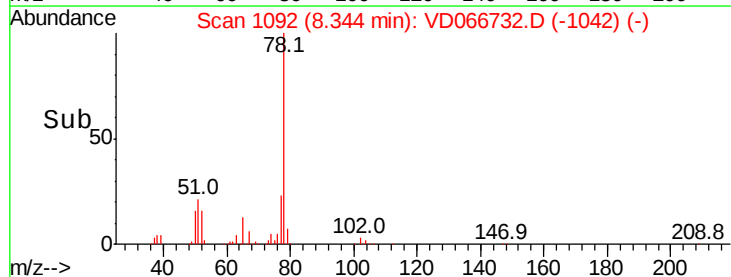
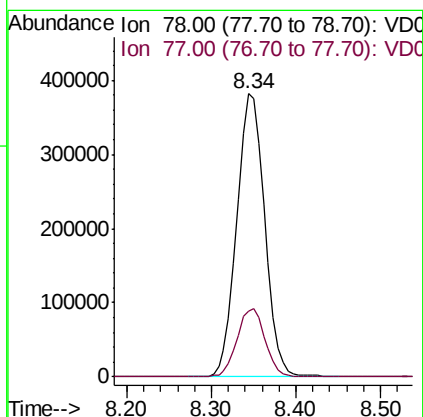
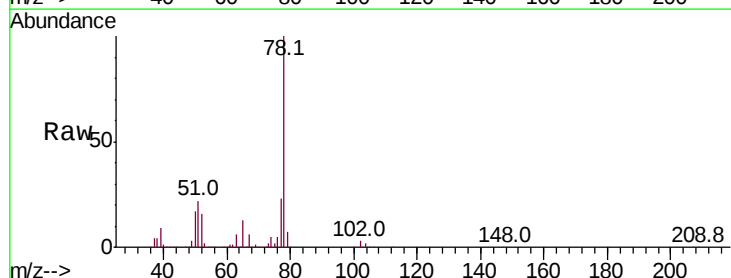
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

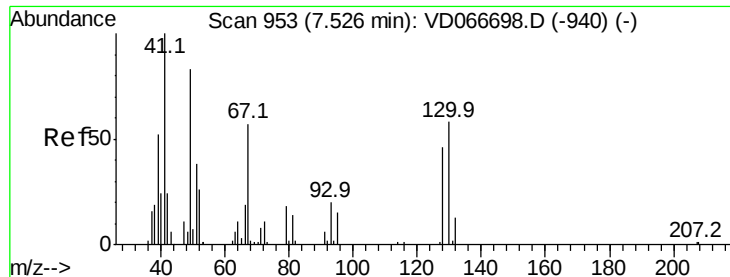
Tot Ion: 83 Resp: 349110
Ion Ratio Lower Upper
83 100
55 74.8 61.5 92.3
98 49.1 39.3 58.9



#40
Benzene
Concen: 49.179 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD066732.D
Acq: 16 Sep 2020 21:00

Tgt Ion: 78 Resp: 875489
Ion Ratio Lower Upper
78 100
77 23.0 19.3 28.9

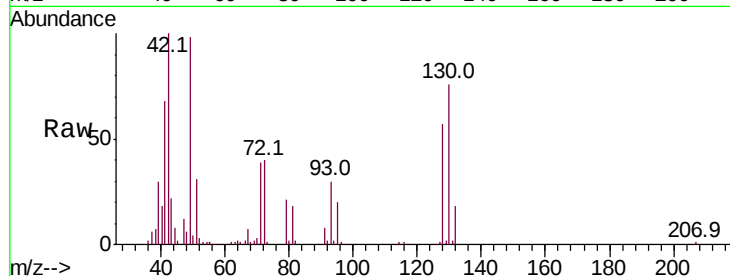




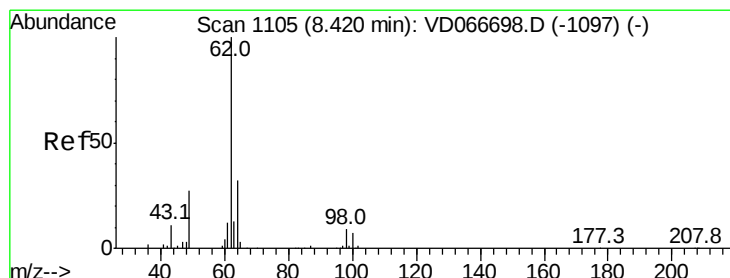
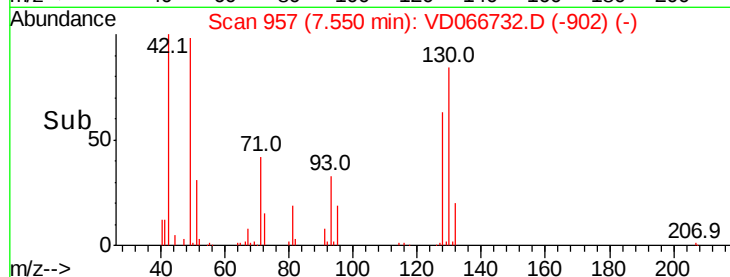
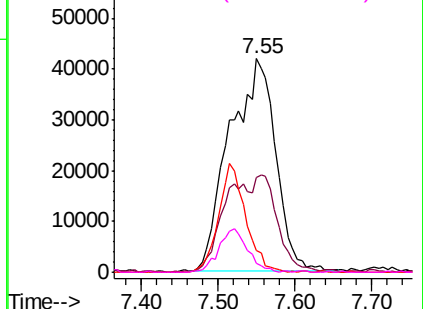
#41
Methacrylonitrile
Concen: 131.739 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.02 min
Lab File: VD066732.D
Acq: 16 Sep 2020 21:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 173740
Ion Ratio Lower Upper
41 100
39 22.0 59.3 88.9#
67 0.0 62.3 93.5#
52 0.0 28.0 42.0#

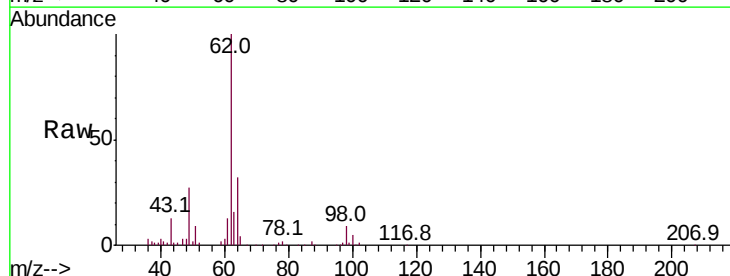


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

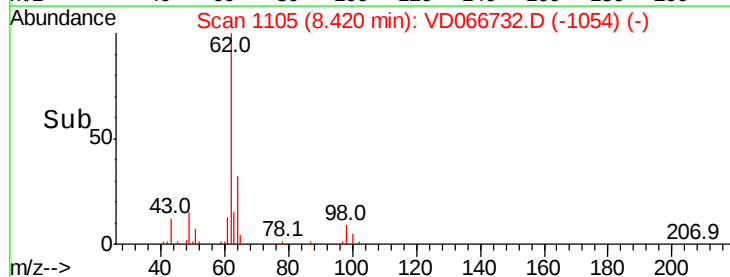
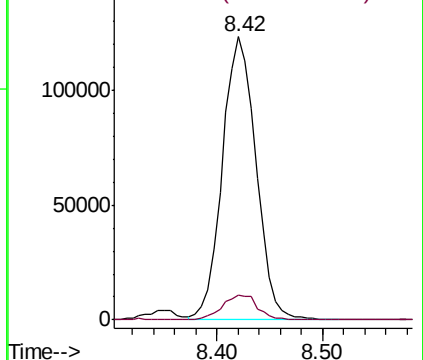


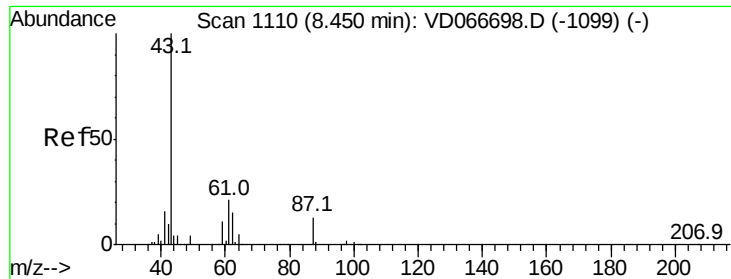
#42
1,2-Dichloroethane
Concen: 49.121 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066732.D
Acq: 16 Sep 2020 21:00

Tgt Ion: 62 Resp: 270914
Ion Ratio Lower Upper
62 100
98 9.3 0.0 17.6



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 51.620 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

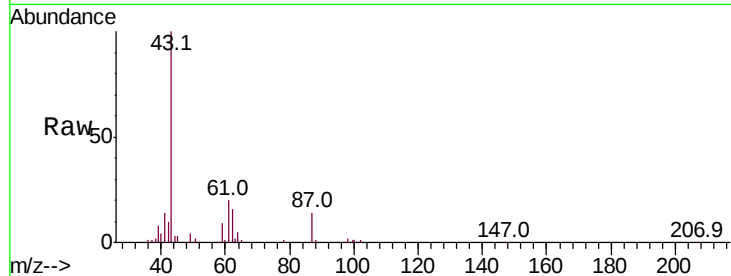
Tot Ion: 43 Resp: 242039

Ion Ratio Lower Upper

43 100

61 31.2 24.8 37.2

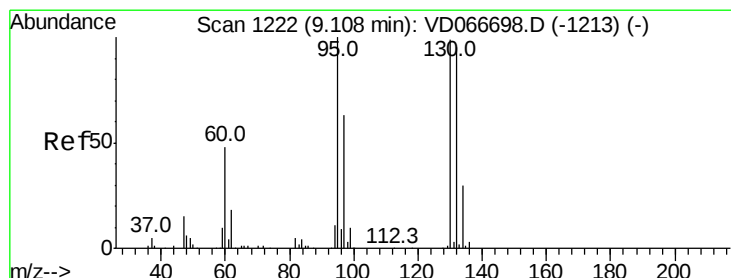
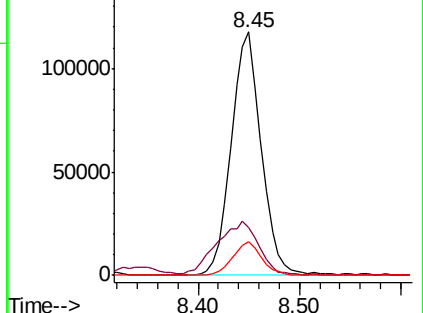
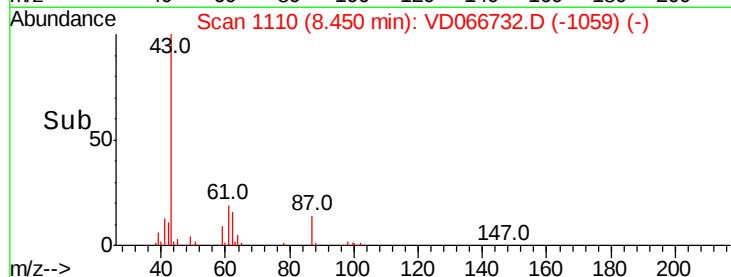
87 13.4 10.4 15.6



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: 49.153 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD066732.D

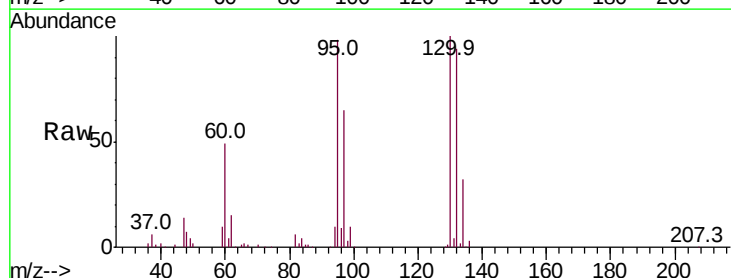
Acq: 16 Sep 2020 21:00

Tgt Ion:130 Resp: 233960

Ion Ratio Lower Upper

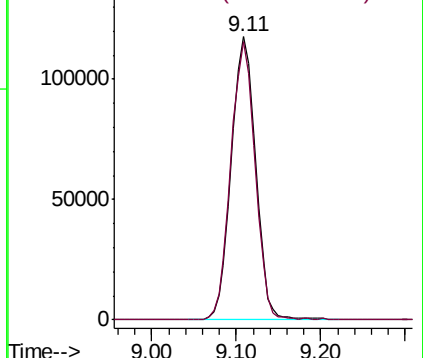
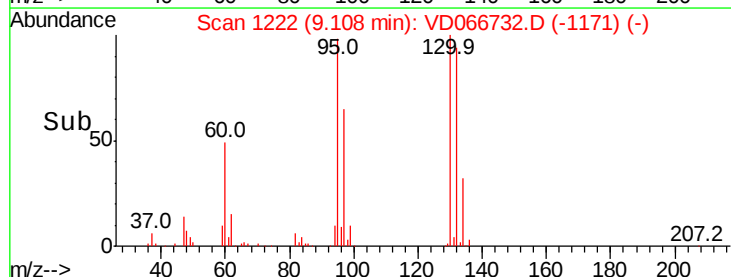
130 100

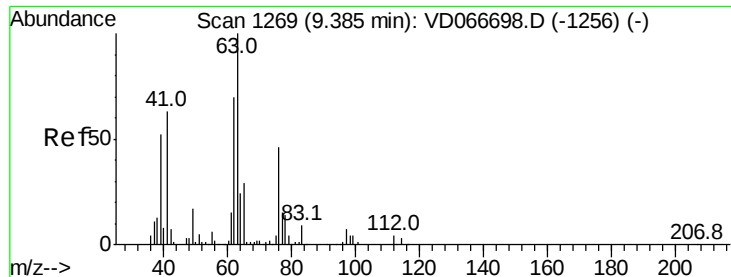
95 98.3 0.0 201.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 50.941 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

Instrument :

MSVOA_D

ClientSampleId :

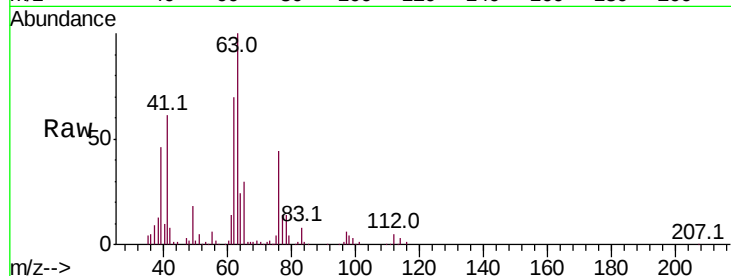
VSTDCCC050EC

Tot Ion: 63 Resp: 224190

Ion Ratio Lower Upper

63 100

65 30.1 23.4 35.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.38

120000

100000

80000

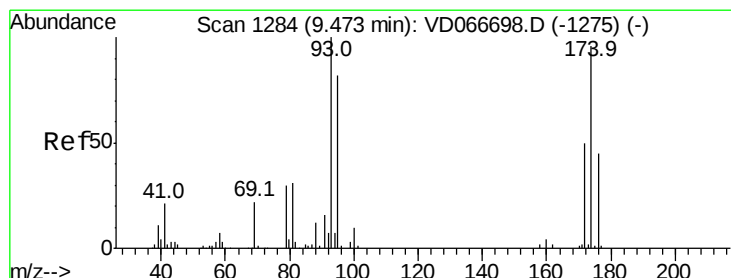
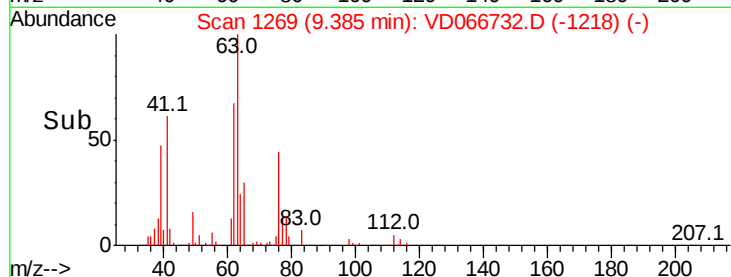
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 51.502 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

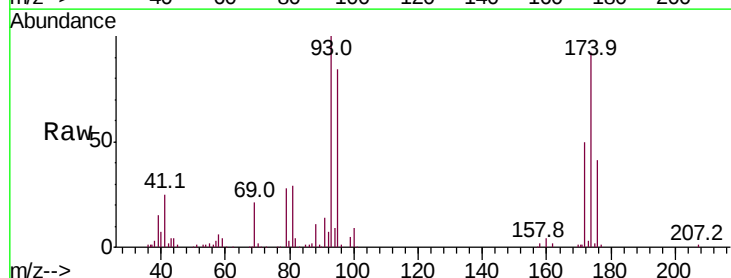
Tgt Ion: 93 Resp: 124550

Ion Ratio Lower Upper

93 100

95 81.9 66.0 99.0

174 90.7 72.3 108.5



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

9.47

80000

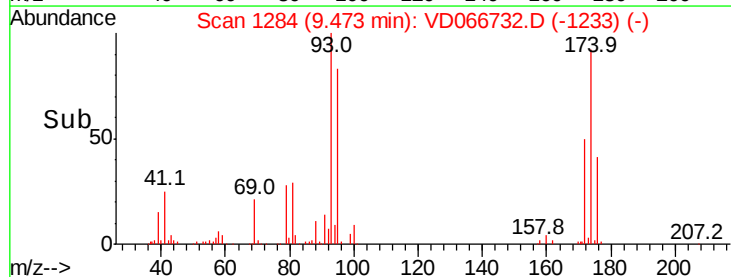
60000

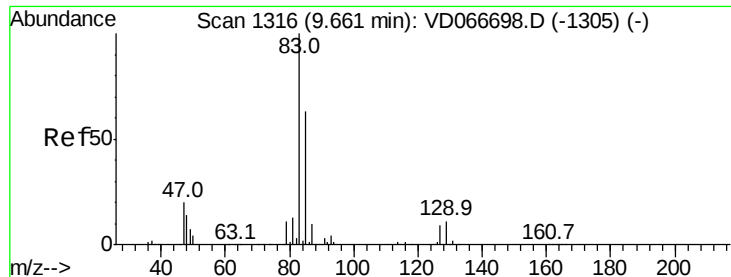
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 49.782 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

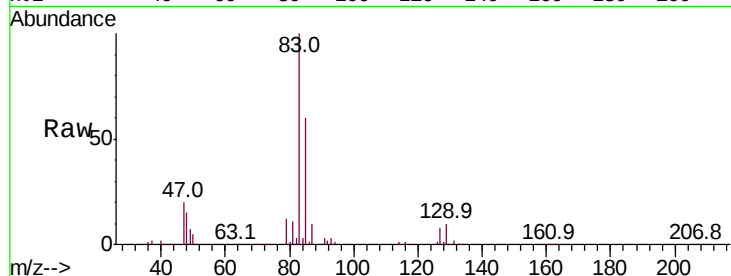
Tot Ion: 83 Resp: 328056

Ion Ratio Lower Upper

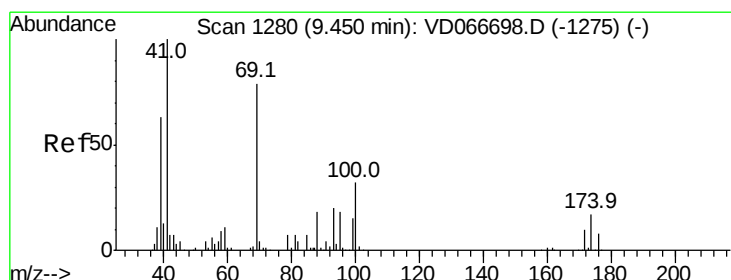
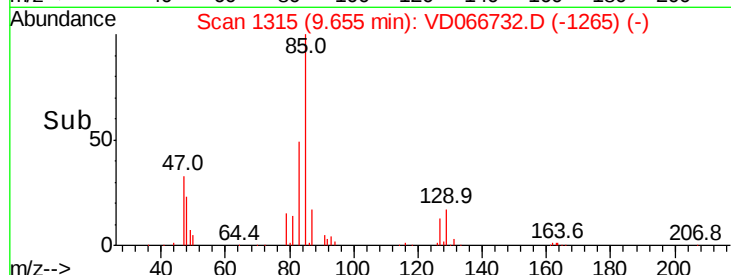
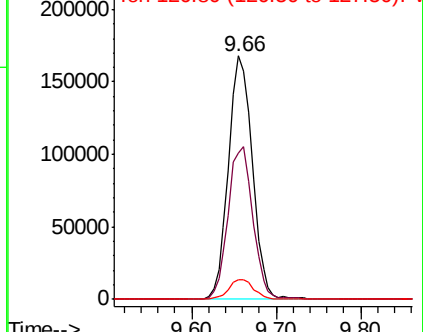
83 100

85 59.9 50.1 75.1

127 7.9 6.9 10.3



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: 48.964 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. 0.00 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

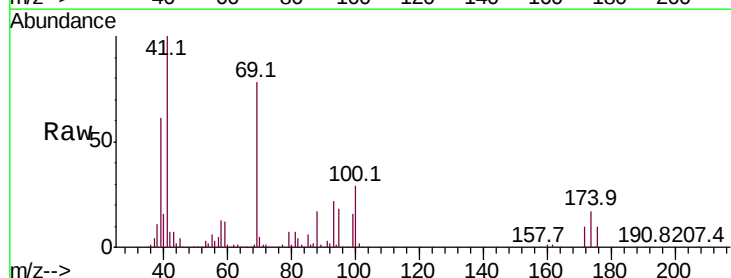
Tgt Ion: 41 Resp: 116777

Ion Ratio Lower Upper

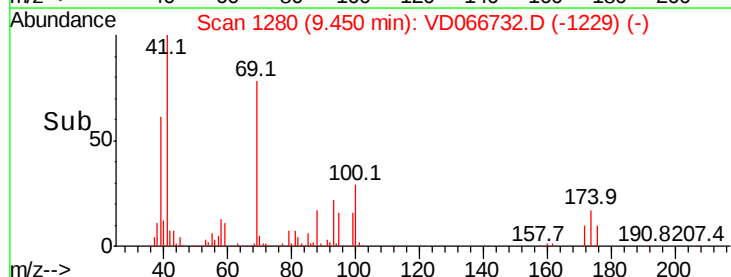
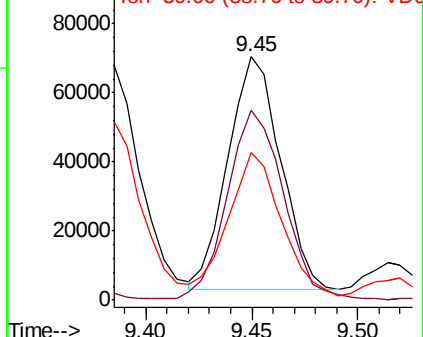
41 100

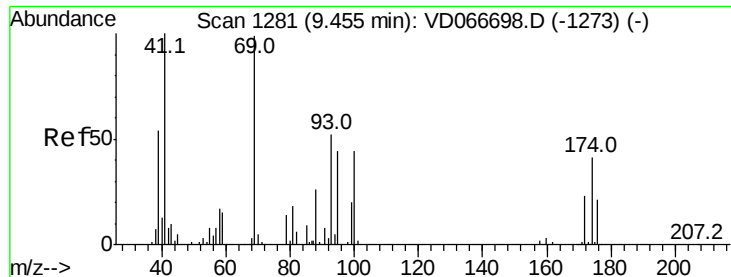
69 86.5 62.4 93.6

39 61.3 44.8 67.2



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

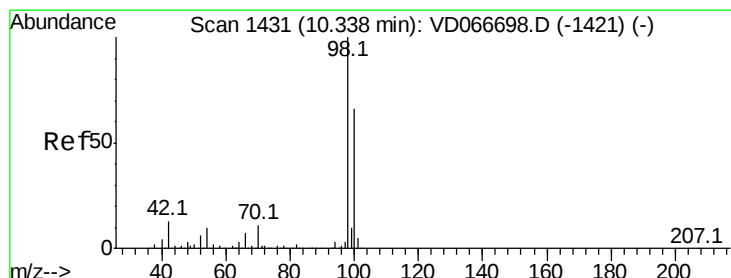
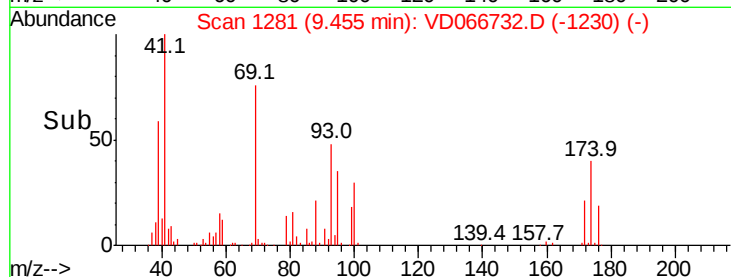
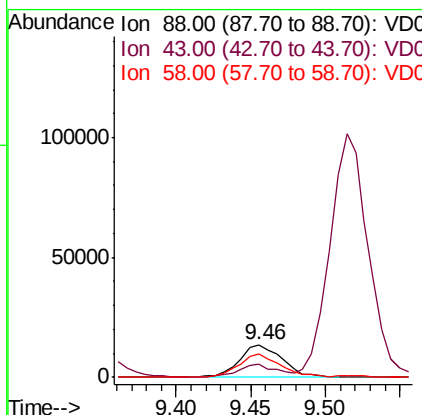
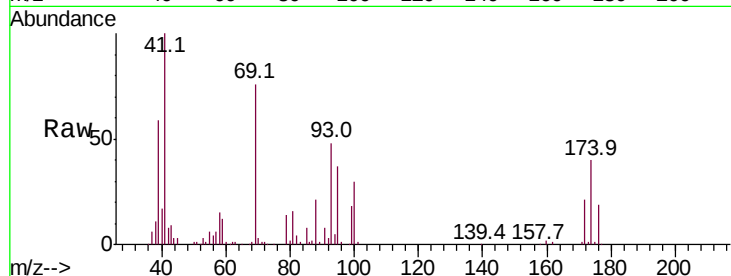




#49
1,4-Dioxane
Concen: 1041.941 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066732.D
Acq: 16 Sep 2020 21:00

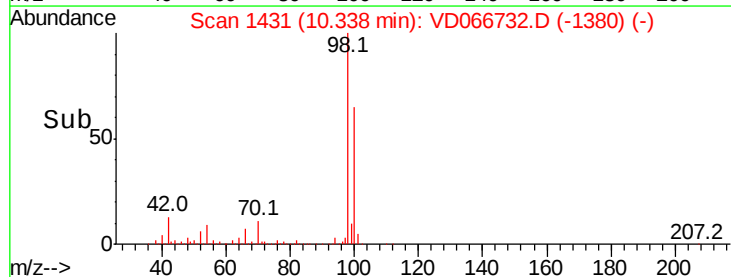
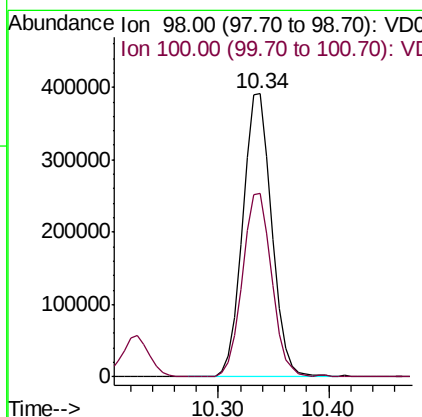
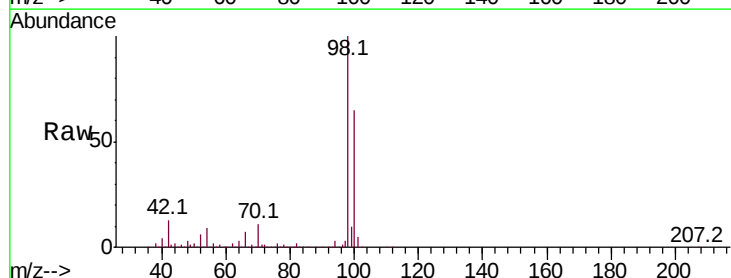
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

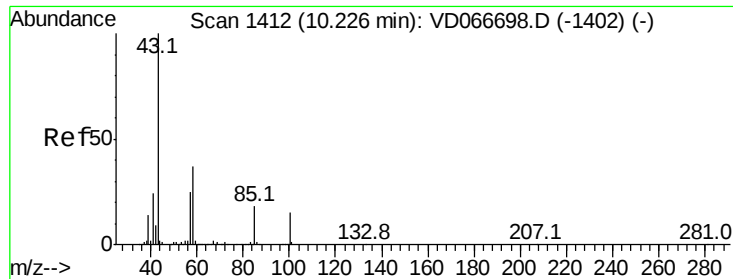
Tot Ion: 88 Resp: 26992
Ion Ratio Lower Upper
88 100
43 36.8 29.3 43.9
58 71.4 51.4 77.2



#50
Toluene-d8
Concen: 51.781 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066732.D
Acq: 16 Sep 2020 21:00

Tgt Ion: 98 Resp: 723887
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1

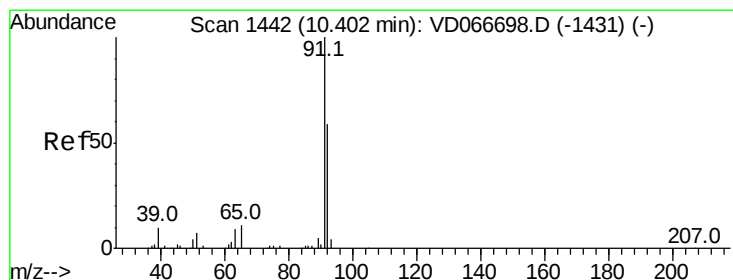
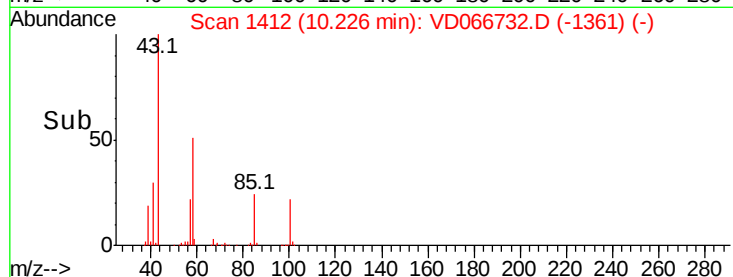
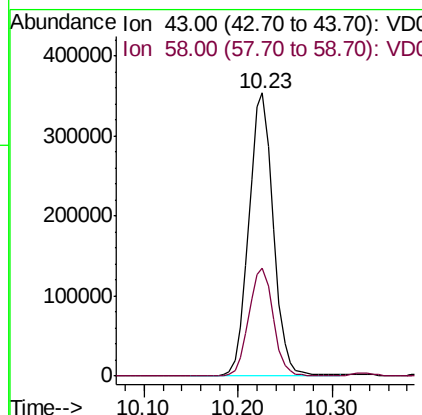
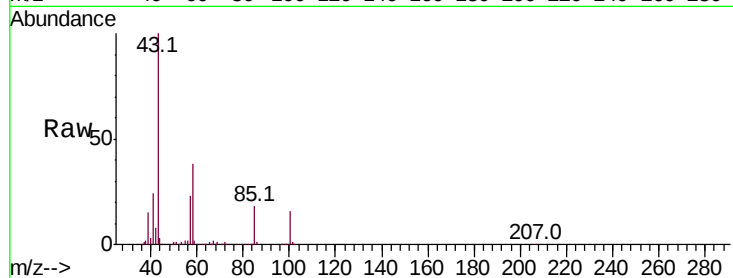




#51
 4-Methyl-2-Pentanone
 Concen: 264.673 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: VD066732.D
 Acq: 16 Sep 2020 21:00

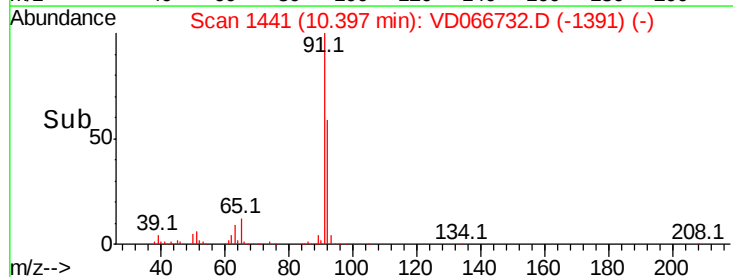
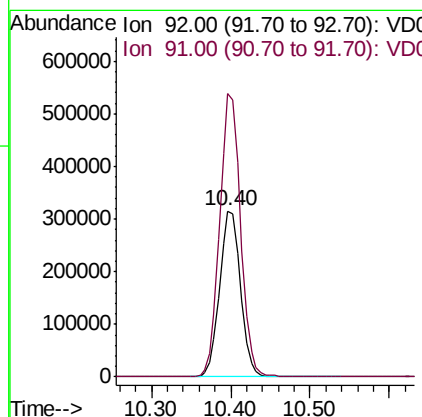
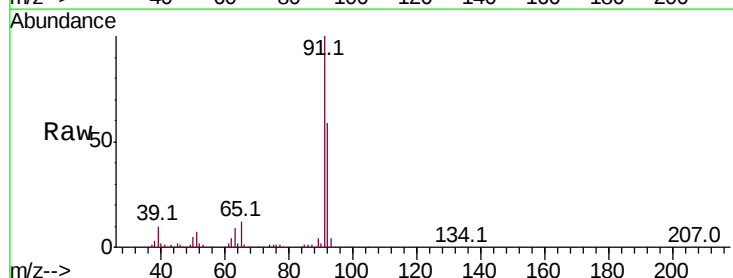
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

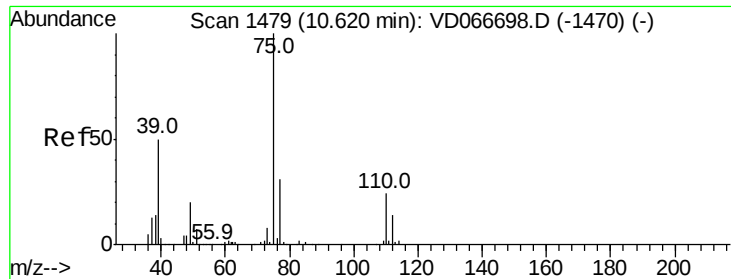
Tot Ion: 43 Resp: 638908
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.4 45.6



#52
 Toluene
 Concen: 50.510 ug/l
 RT: 10.40 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: VD066732.D
 Acq: 16 Sep 2020 21:00

Tgt Ion: 92 Resp: 576028
 Ion Ratio Lower Upper
 92 100
 91 170.6 135.8 203.8

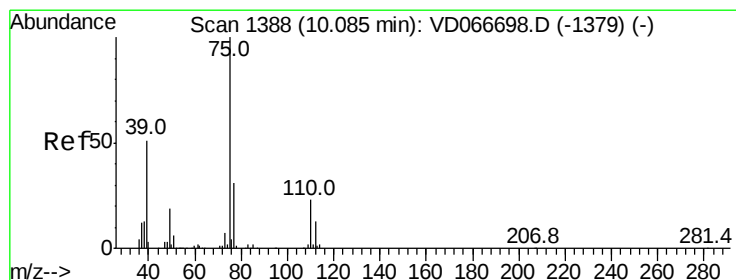
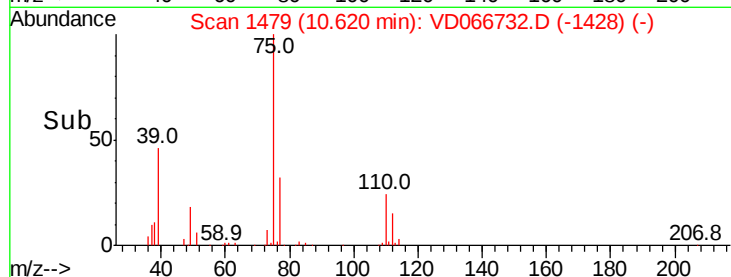
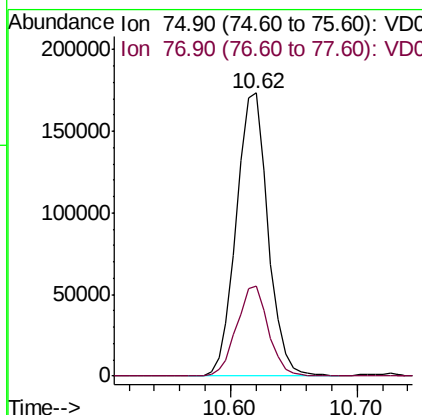
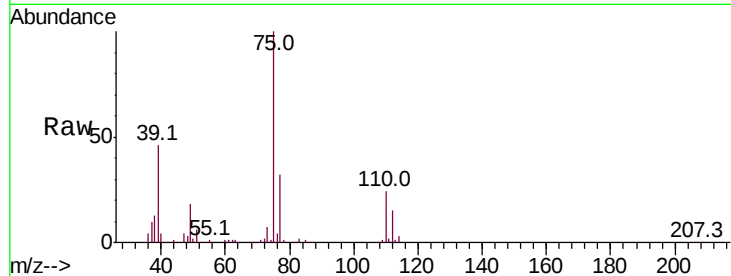




#53
t-1,3-Dichloropropene
Concen: 51.248 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD066732.D
Acq: 16 Sep 2020 21:00

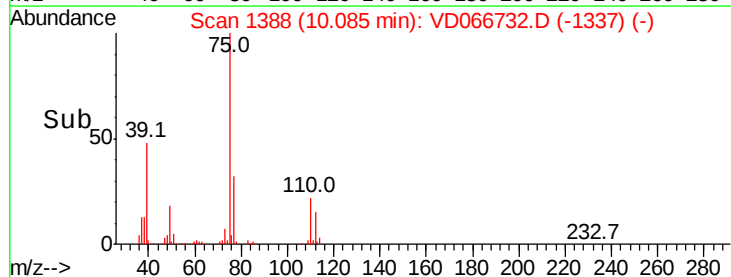
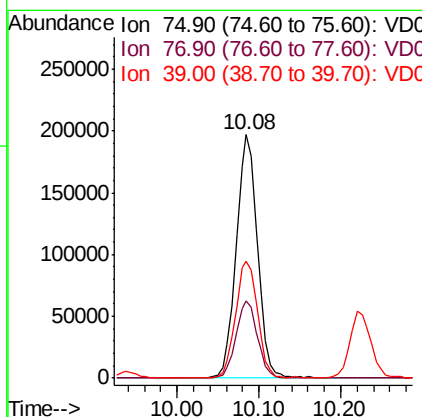
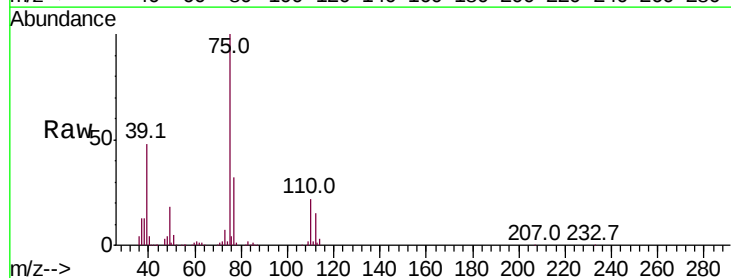
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

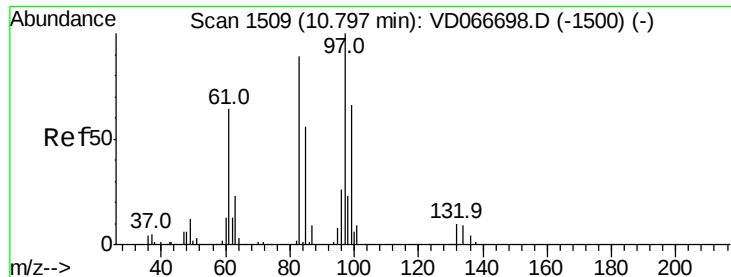
Tot Ion: 75 Resp: 301694
Ion Ratio Lower Upper
75 100
77 31.7 24.6 36.8



#54
cis-1,3-Dichloropropene
Concen: 50.792 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VD066732.D
Acq: 16 Sep 2020 21:00

Tgt Ion: 75 Resp: 355148
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.6
39 47.8 40.6 61.0





#55

1,1,2-Trichloroethane

Concen: 52.550 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 167560

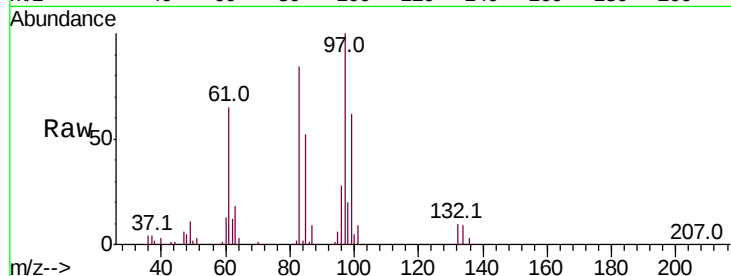
Ion Ratio Lower Upper

97 100

83 84.1 71.4 107.2

85 51.9 44.7 67.1

99 61.9 52.4 78.6

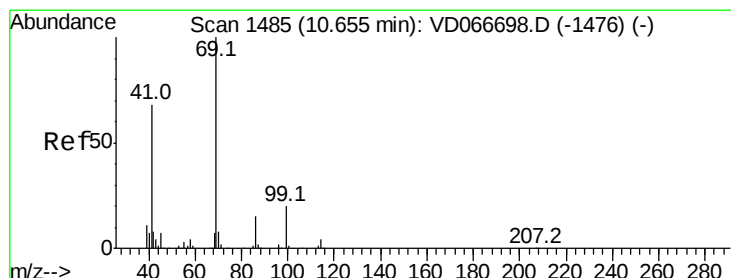
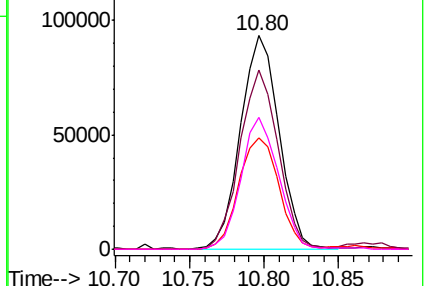
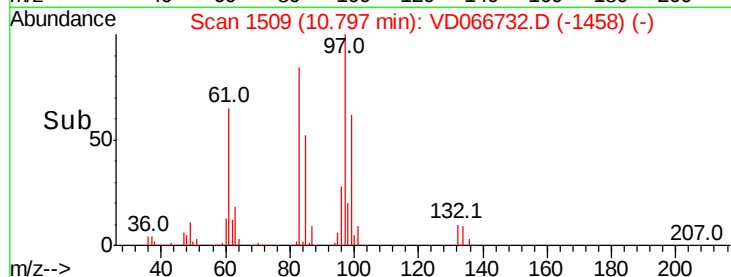


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 55.301 ug/l

RT: 10.66 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

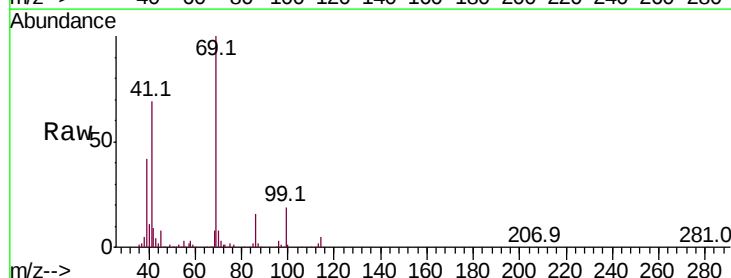
Tgt Ion: 69 Resp: 200098

Ion Ratio Lower Upper

69 100

41 68.0 55.5 83.3

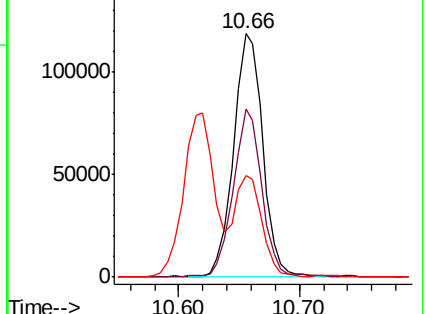
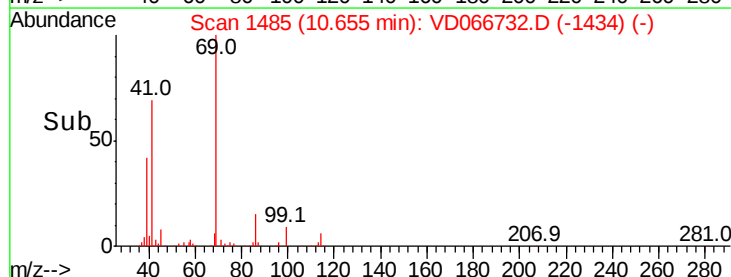
39 39.1 29.7 44.5

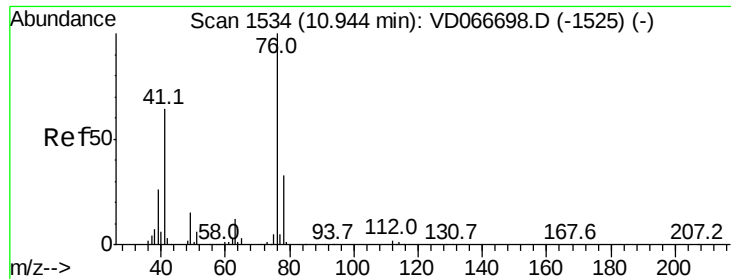


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

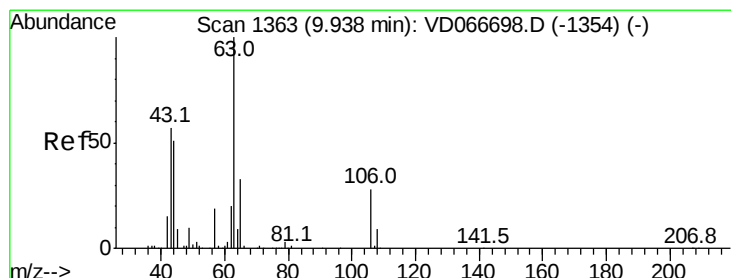
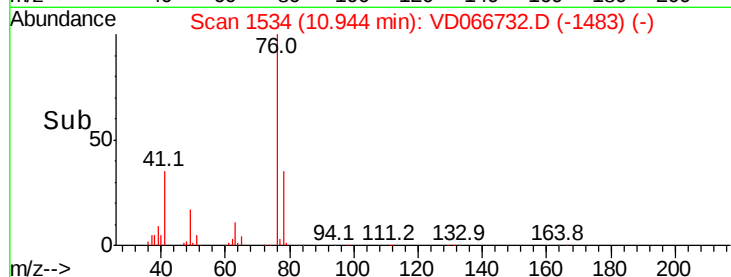
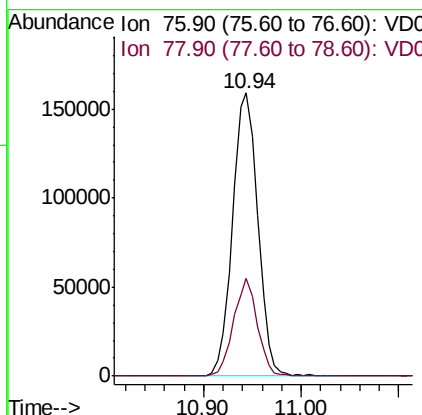
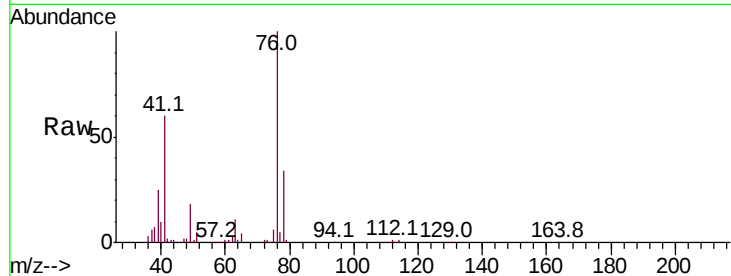




#57
 1,3-Dichloropropane
 Concen: 51.097 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066732.D
 Acq: 16 Sep 2020 21:00

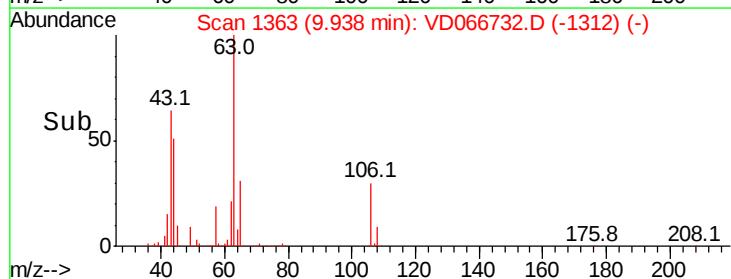
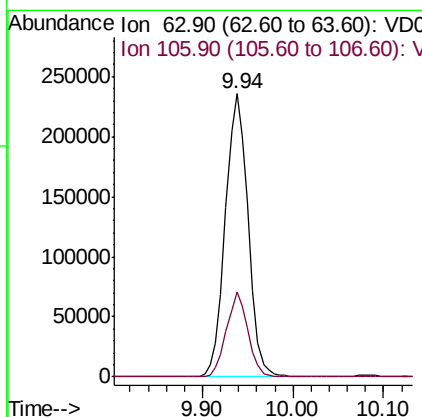
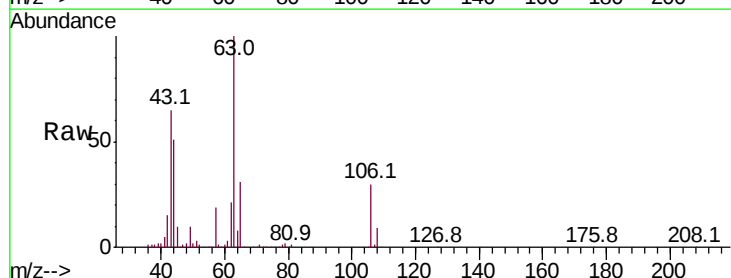
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

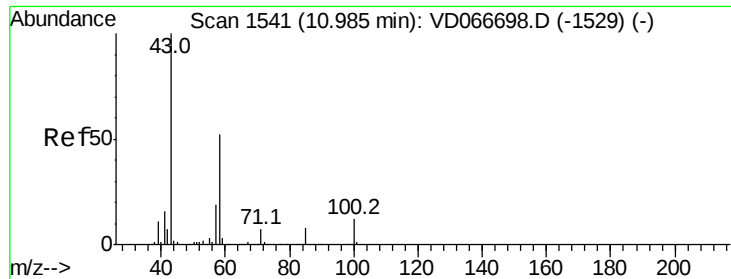
Tot Ion: 76 Resp: 285921
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.141 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066732.D
 Acq: 16 Sep 2020 21:00

Tgt Ion: 63 Resp: 411818
 Ion Ratio Lower Upper
 63 100
 106 28.3 22.2 33.4

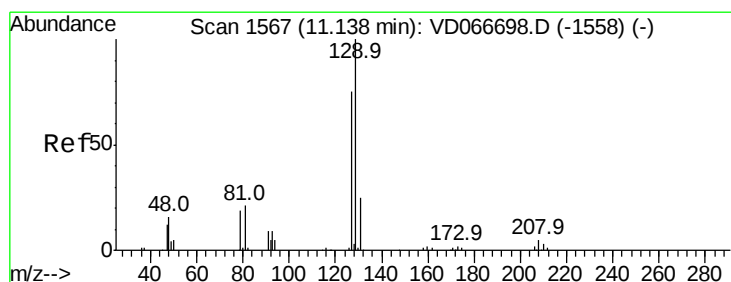
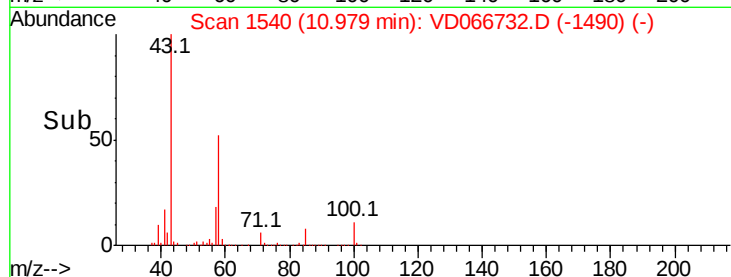
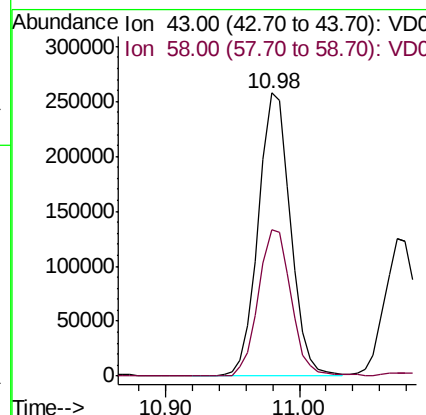
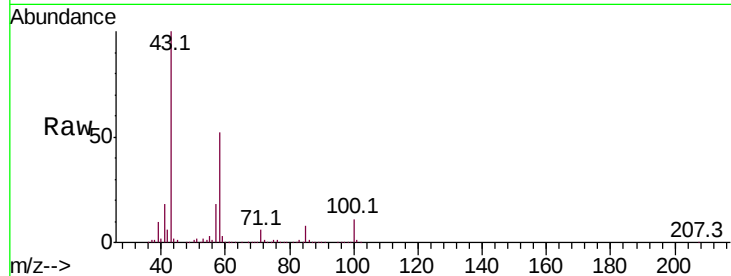




#59
2-Hexanone
Concen: 264.227 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066732.D
Acq: 16 Sep 2020 21:00

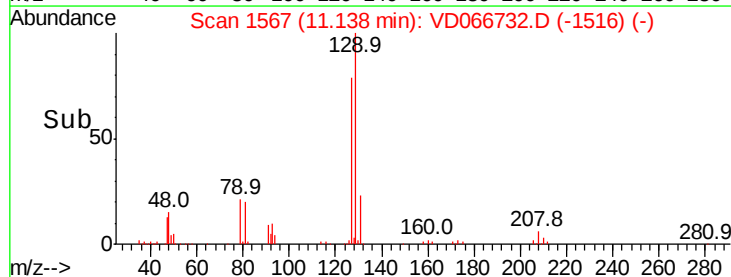
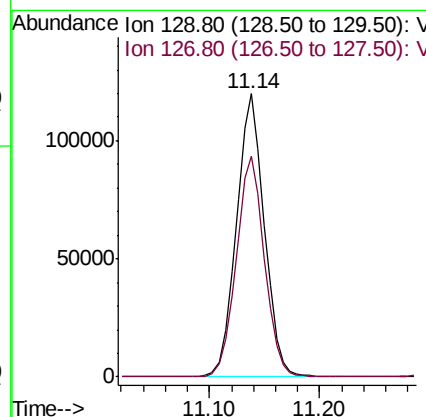
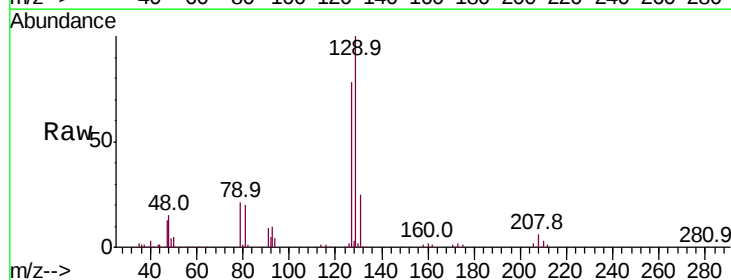
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

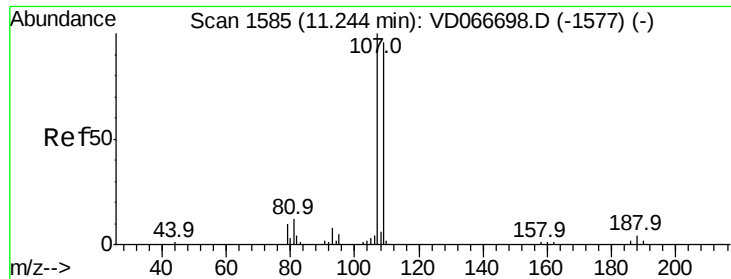
Tot Ion: 43 Resp: 428569
Ion Ratio Lower Upper
43 100
58 53.0 26.2 78.5



#60
Dibromochloromethane
Concen: 51.030 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066732.D
Acq: 16 Sep 2020 21:00

Tgt Ion: 129 Resp: 212012
Ion Ratio Lower Upper
129 100
127 78.7 38.1 114.3

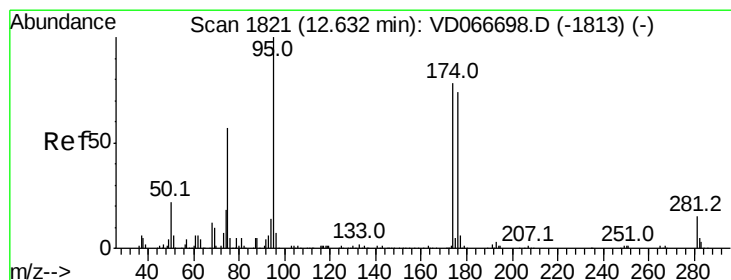
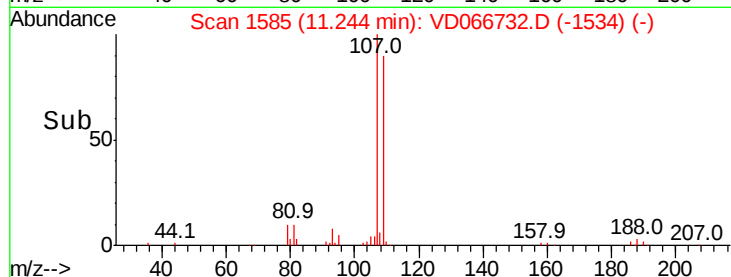
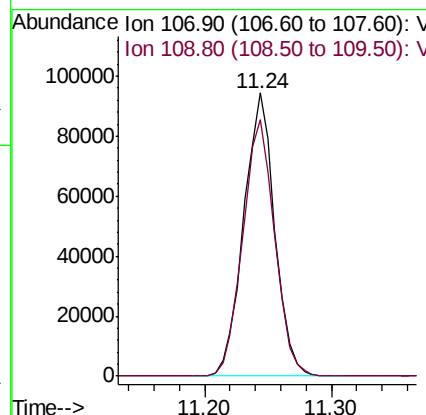
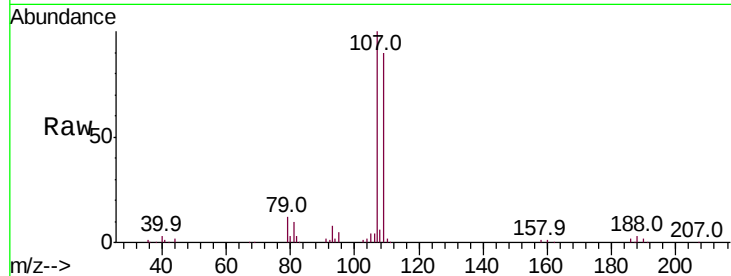




#61
 1,2-Dibromoethane
 Concen: 52.167 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066732.D
 Acq: 16 Sep 2020 21:00

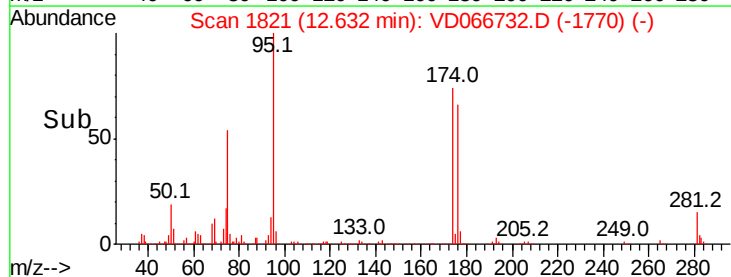
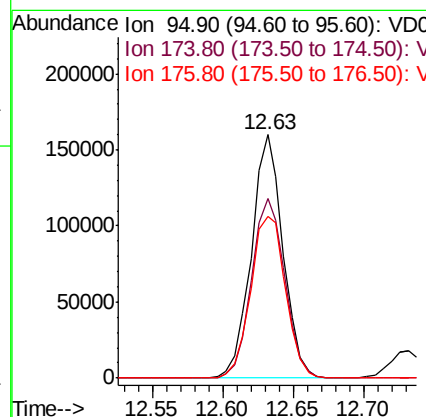
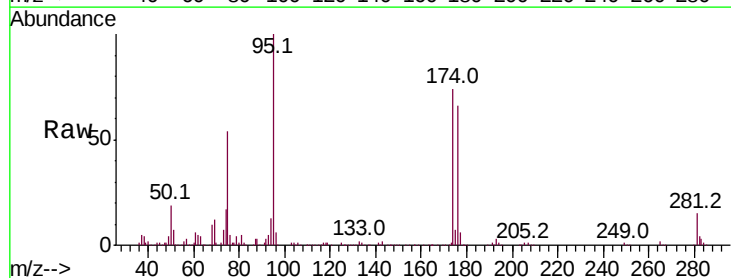
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

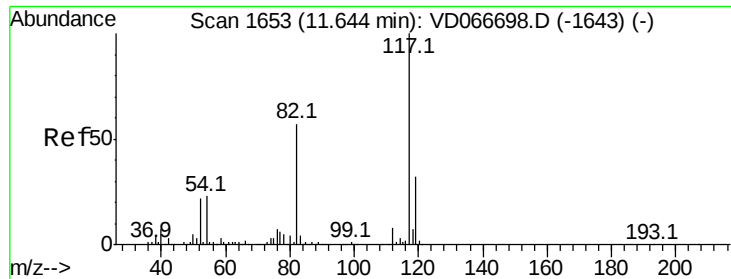
Tot Ion:107 Resp: 159561
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 51.960 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066732.D
 Acq: 16 Sep 2020 21:00

Tgt Ion: 95 Resp: 250742
 Ion Ratio Lower Upper
 95 100
 174 77.9 0.0 156.6
 176 73.3 0.0 150.2

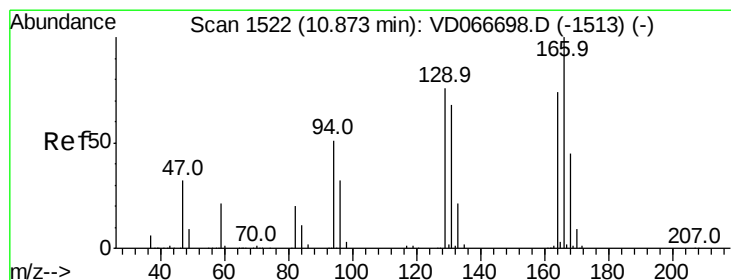
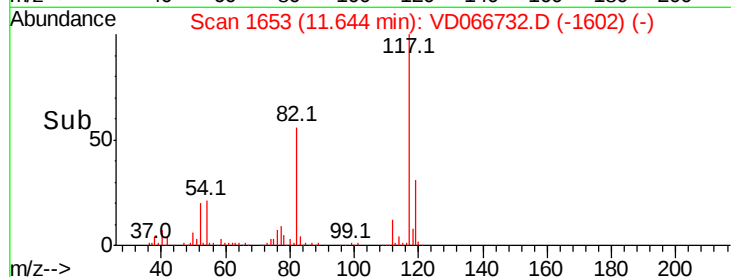
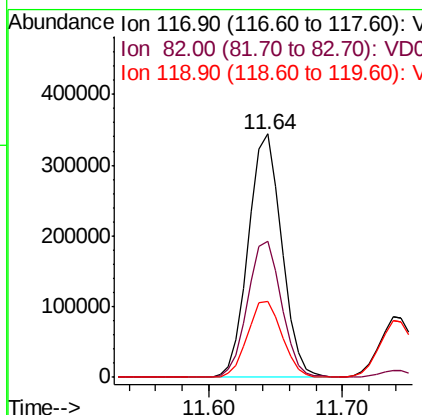
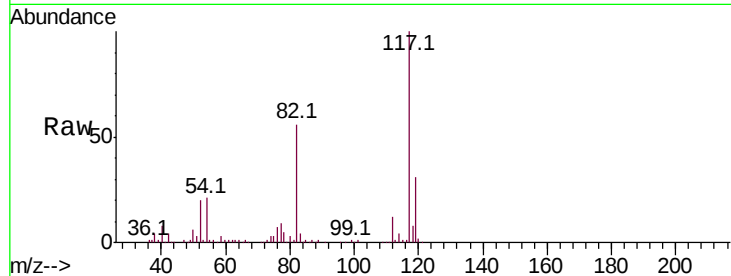




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066732.D
Acq: 16 Sep 2020 21:00

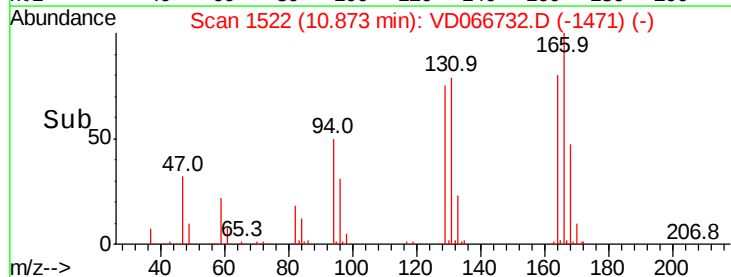
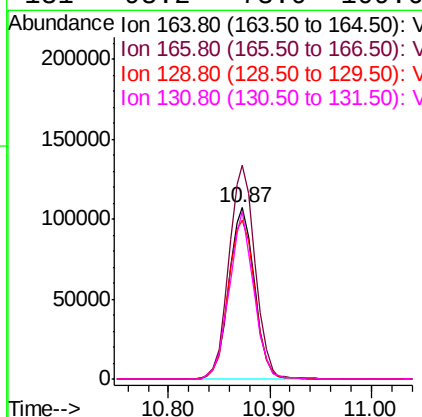
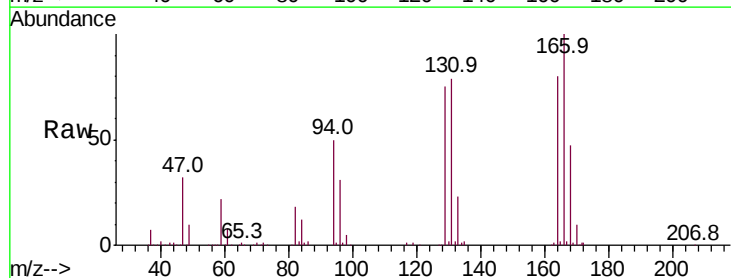
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

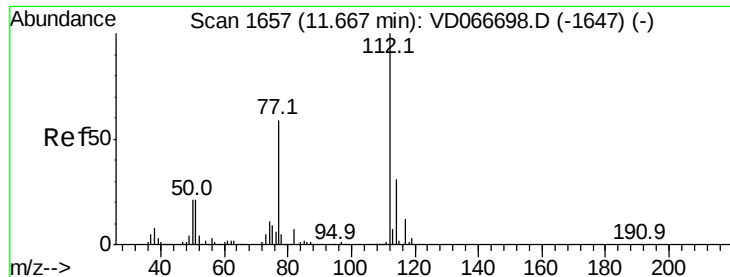
Tot Ion:117 Resp: 592589
Ion Ratio Lower Upper
117 100
82 56.1 45.4 68.0
119 31.4 25.8 38.6



#64
Tetrachloroethene
Concen: 46.344 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066732.D
Acq: 16 Sep 2020 21:00

Tgt Ion:164 Resp: 187473
Ion Ratio Lower Upper
164 100
166 124.6 107.5 161.3
129 93.0 81.4 122.0
131 98.2 73.0 109.6

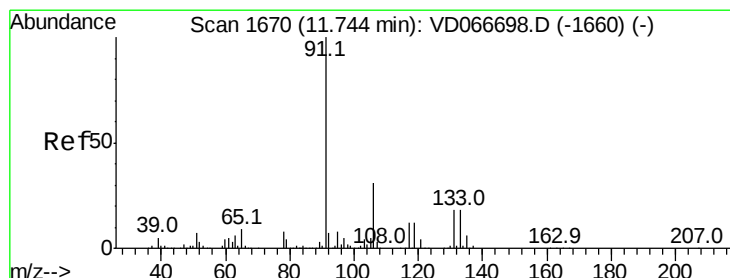
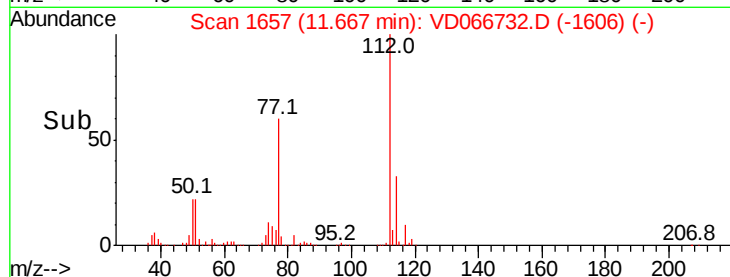
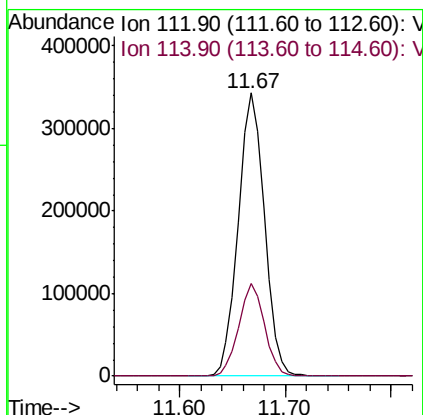
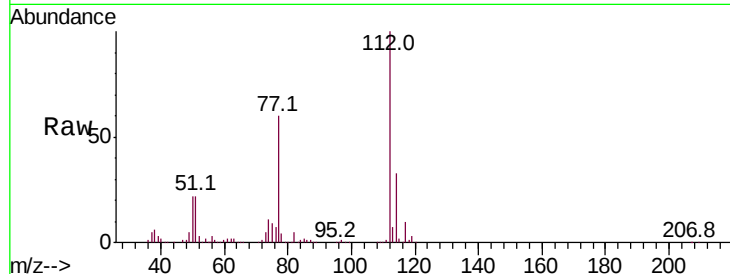




#65
Chlorobenzene
Concen: 48.044 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VD066732.D
Acq: 16 Sep 2020 21:00

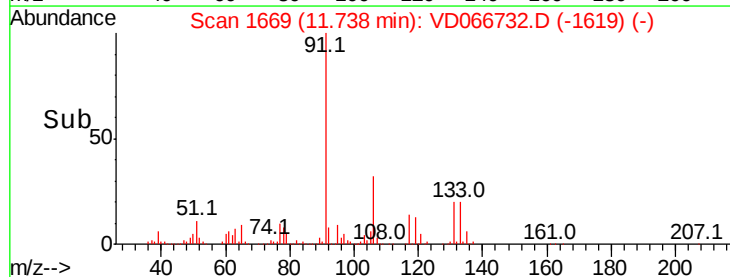
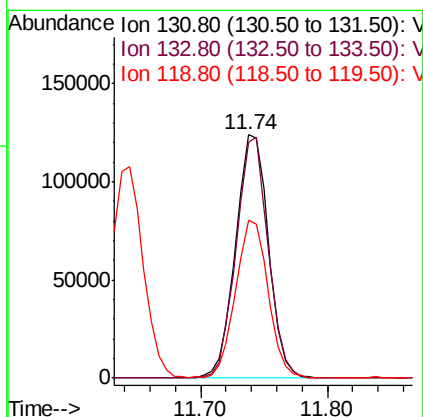
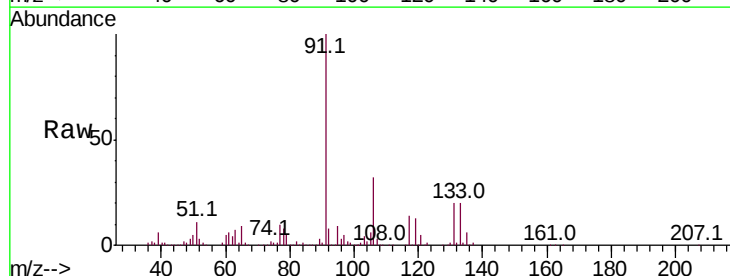
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

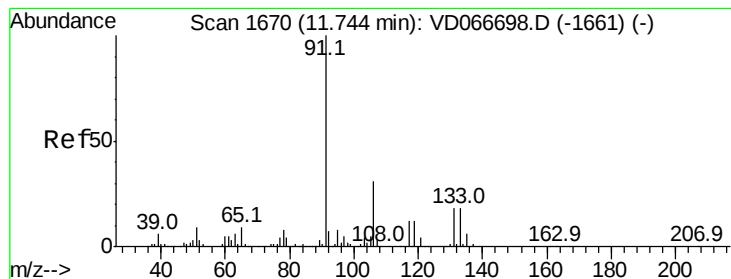
Tot Ion:112 Resp: 589456
Ion Ratio Lower Upper
112 100
114 32.6 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 49.255 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066732.D
Acq: 16 Sep 2020 21:00

Tgt Ion:131 Resp: 222971
Ion Ratio Lower Upper
131 100
133 96.3 47.8 143.3
119 64.6 33.6 100.8





#67

Ethyl Benzene

Concen: 49.134 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

Instrument :

MSVOA_D

ClientSampleId :

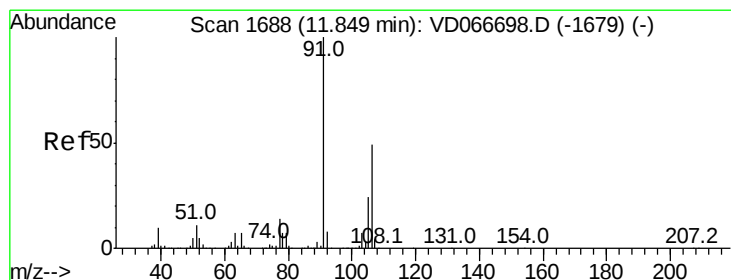
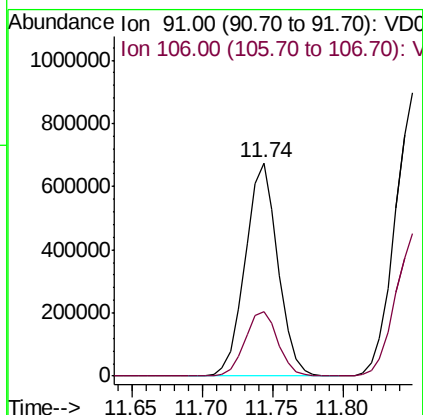
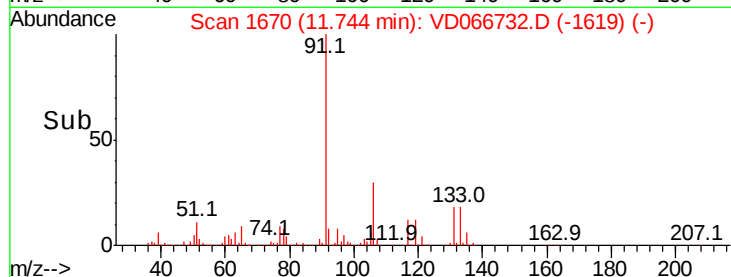
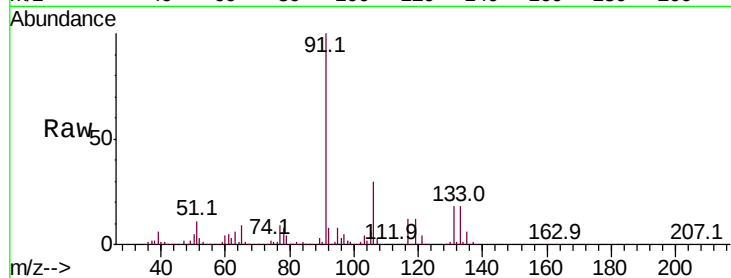
VSTDCCC050EC

Tot Ion: 91 Resp: 1091916

Ion Ratio Lower Upper

91 100

106 30.2 25.1 37.7



#68

m/p-Xylenes

Concen: 99.142 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VD066732.D

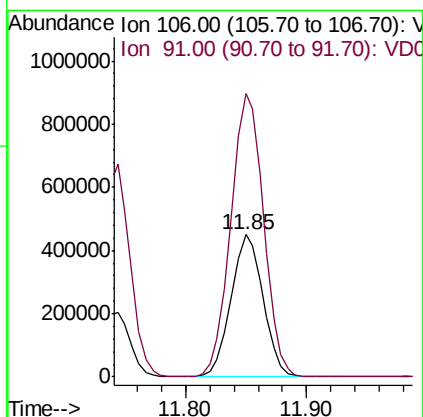
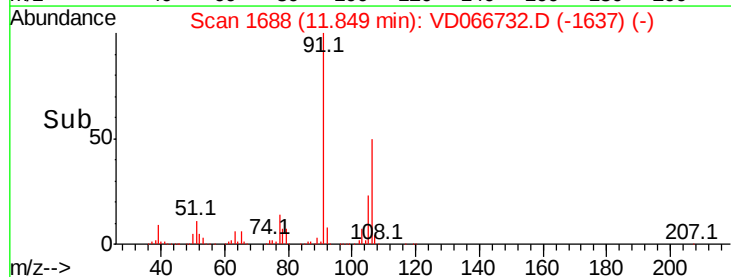
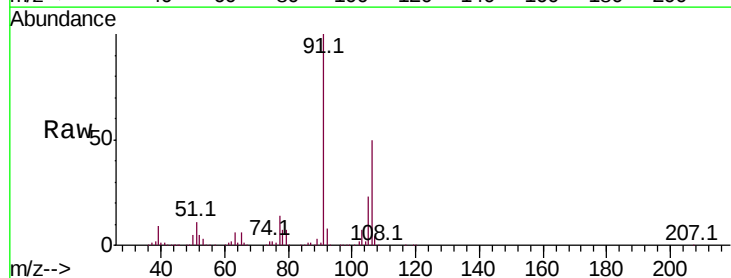
Acq: 16 Sep 2020 21:00

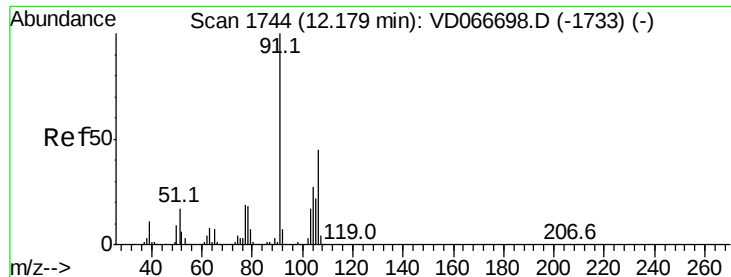
Tgt Ion: 106 Resp: 832722

Ion Ratio Lower Upper

106 100

91 203.5 164.8 247.2

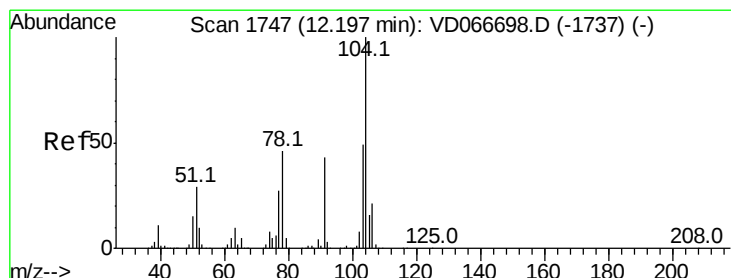
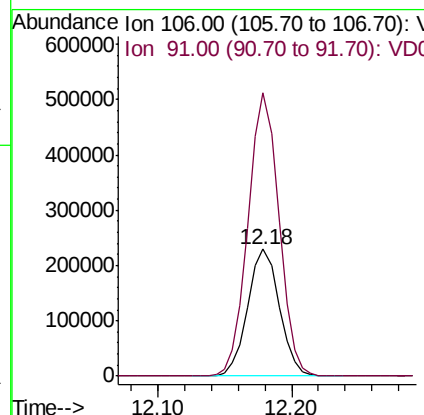
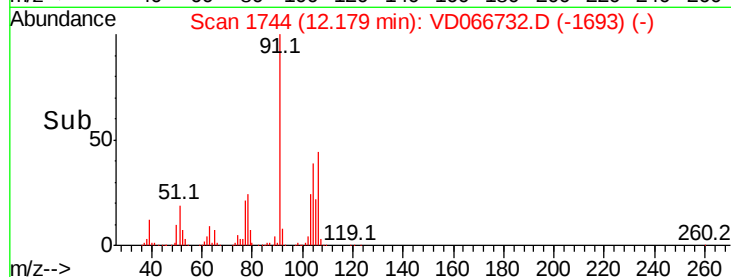
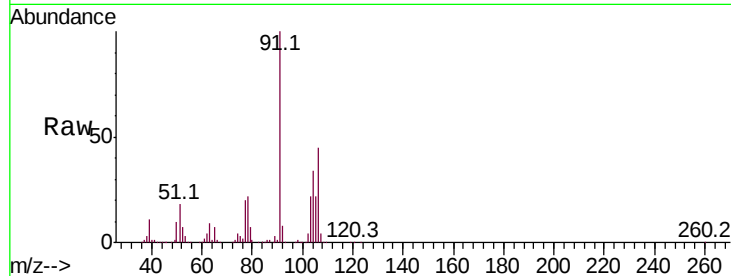




#69
o-Xylene
Concen: 50.544 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066732.D
Acq: 16 Sep 2020 21:00

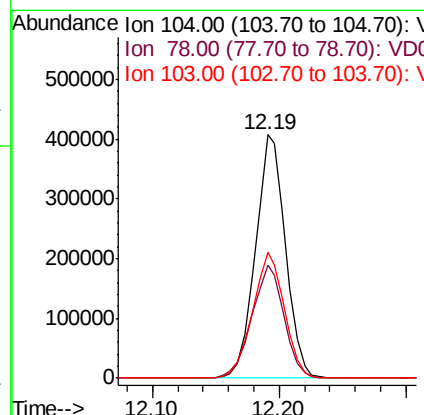
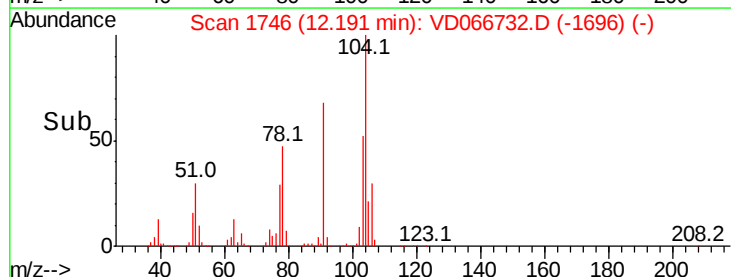
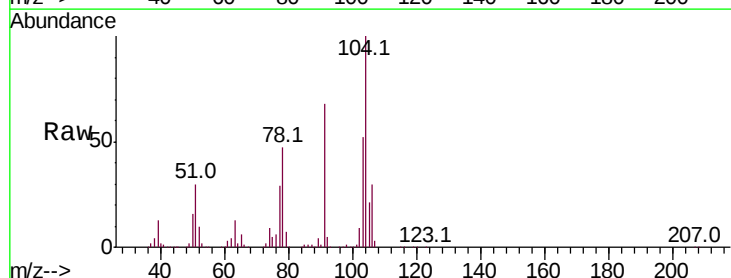
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

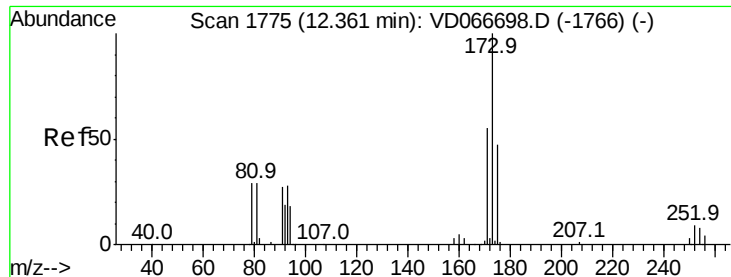
Tot Ion:106 Resp: 375156
Ion Ratio Lower Upper
106 100
91 218.5 109.4 328.2



#70
Styrene
Concen: 51.177 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066732.D
Acq: 16 Sep 2020 21:00

Tgt Ion:104 Resp: 668565
Ion Ratio Lower Upper
104 100
78 49.8 40.2 60.4
103 54.6 42.5 63.7





#71

Bromoform

Concen: 50.530 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

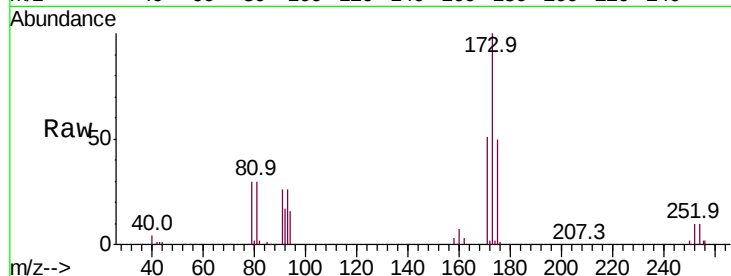
Tot Ion:173 Resp: 114795

Ion Ratio Lower Upper

173 100

175 49.0 24.3 72.8

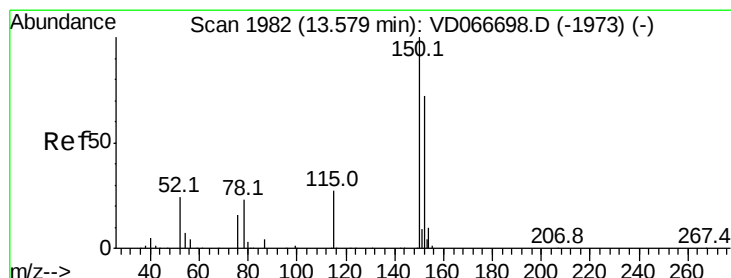
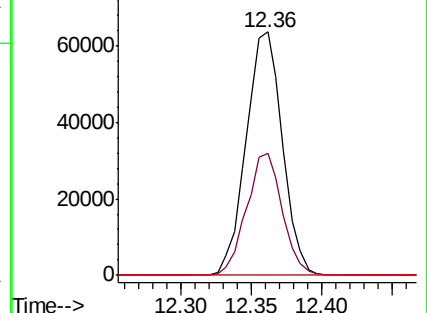
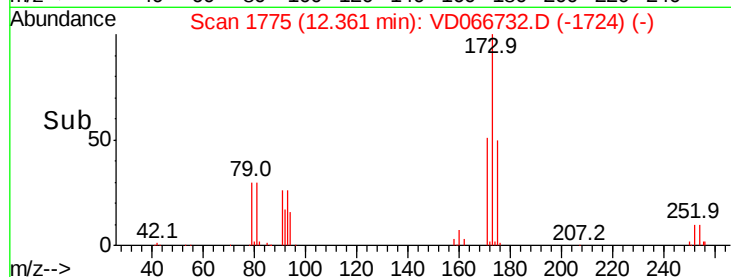
254 0.0 0.1 0.1#



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: VD066732.D

Acq: 16 Sep 2020 21:00

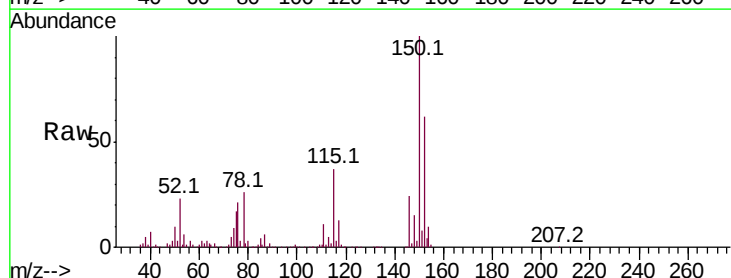
Tgt Ion:152 Resp: 273698

Ion Ratio Lower Upper

152 100

115 61.9 30.5 91.5

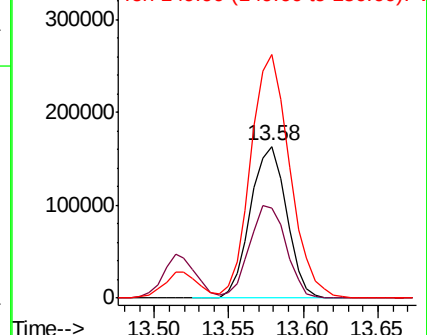
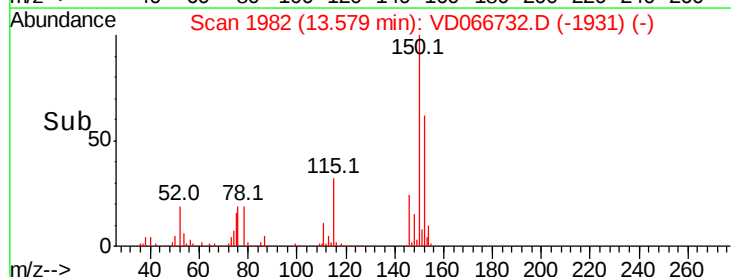
150 173.1 0.0 344.6

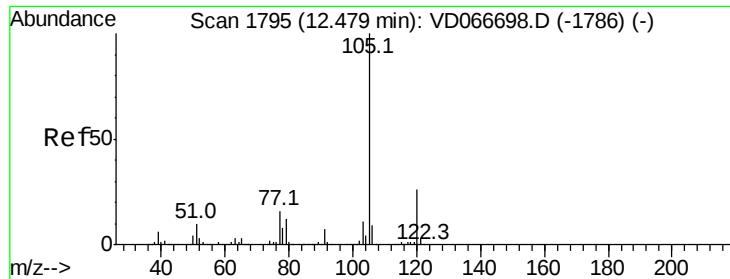


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.535 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

Instrument :

MSVOA_D

ClientSampleId :

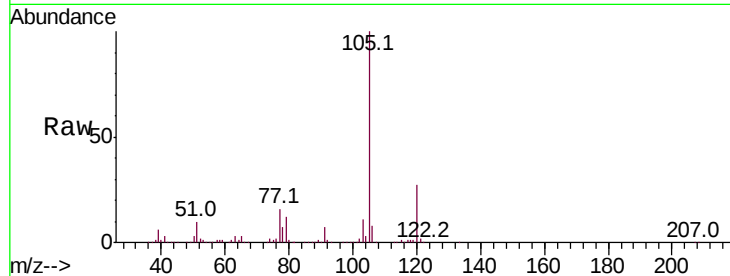
VSTDCCC050EC

Tot Ion:105 Resp: 1012108

Ion Ratio Lower Upper

105 100

120 26.3 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

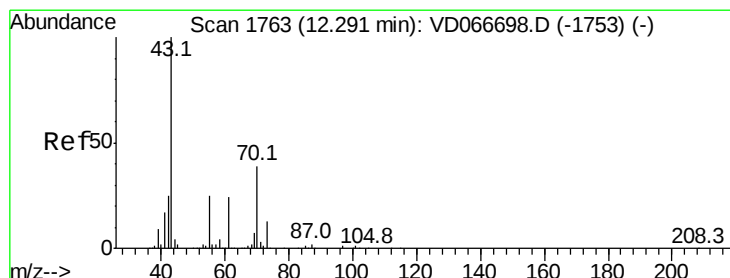
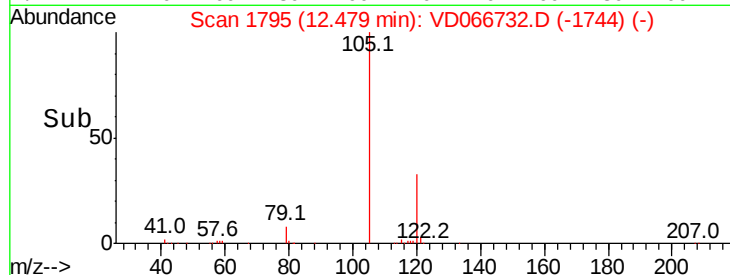
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 51.778 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

Tgt Ion: 43 Resp: 223167

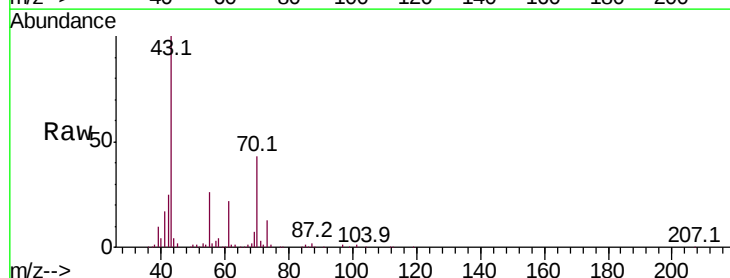
Ion Ratio Lower Upper

43 100

70 43.4 33.0 49.4

55 25.3 20.6 30.8

61 22.9 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.28

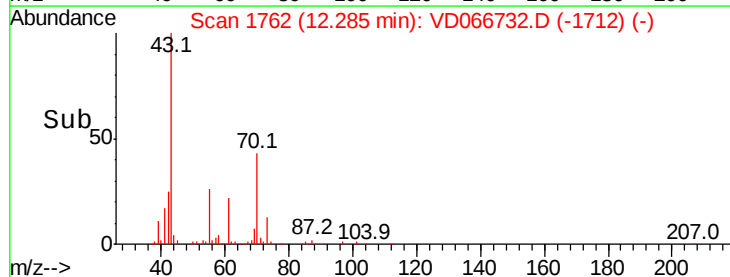
150000

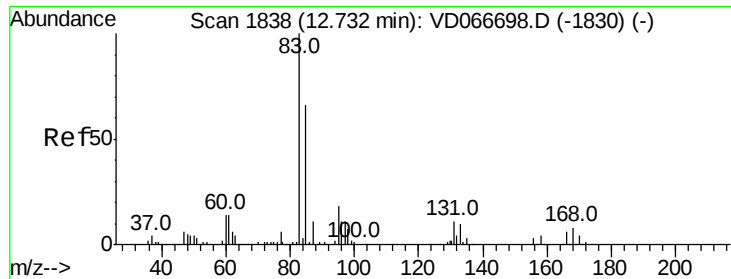
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.784 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

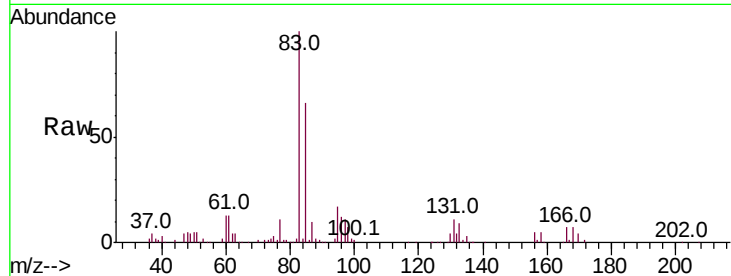
Tot Ion: 83 Resp: 176320

Ion Ratio Lower Upper

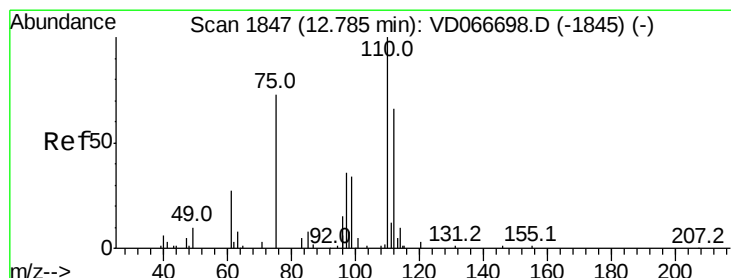
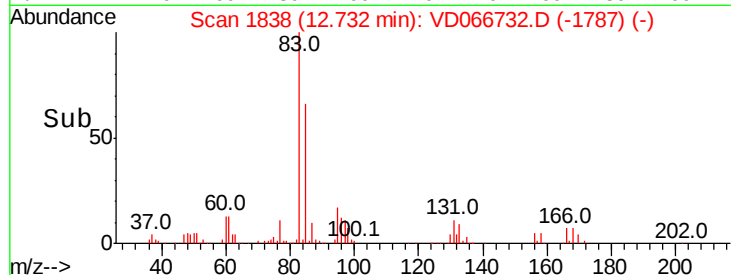
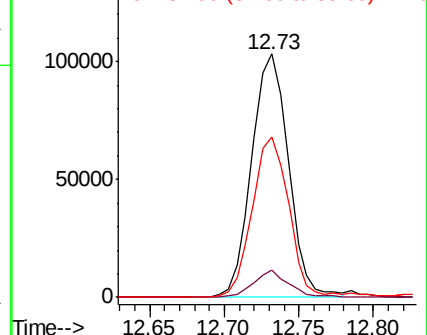
83 100

131 10.6 5.8 17.3

85 66.4 33.3 99.8



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: 98.950 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066732.D

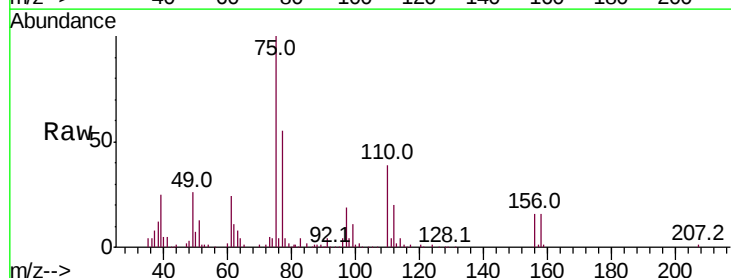
Acq: 16 Sep 2020 21:00

Tgt Ion: 75 Resp: 231815

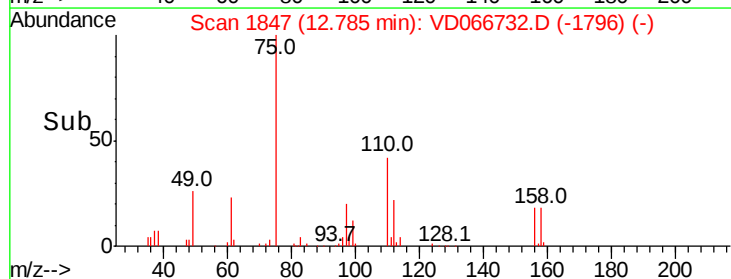
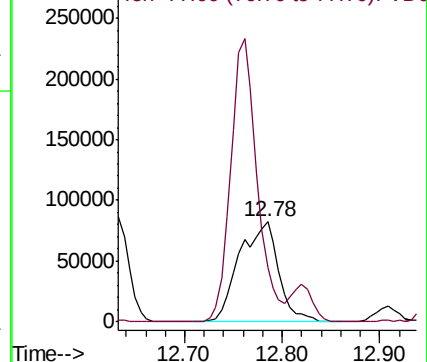
Ion Ratio Lower Upper

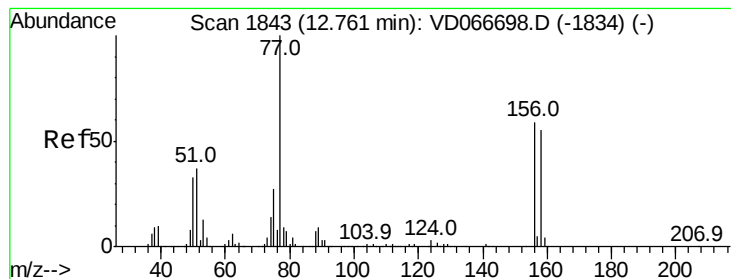
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 48.724 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

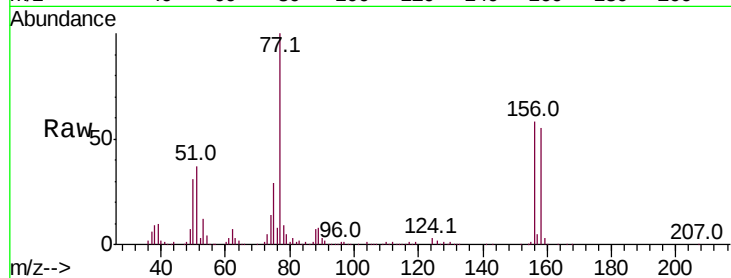
Tot Ion:156 Resp: 229453

Ion Ratio Lower Upper

156 100

77 192.1 95.8 287.3

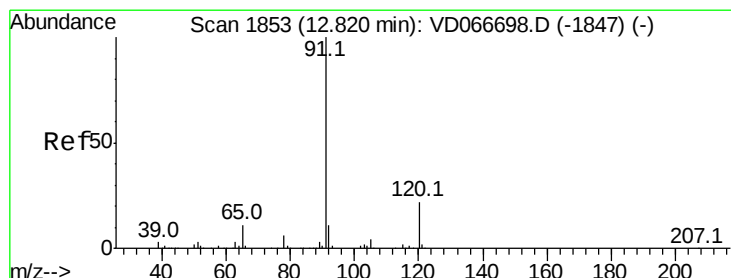
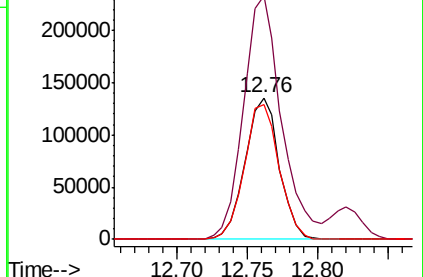
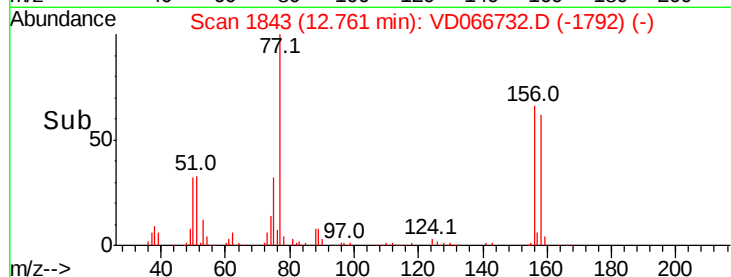
158 97.1 48.4 145.0



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: 48.540 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066732.D

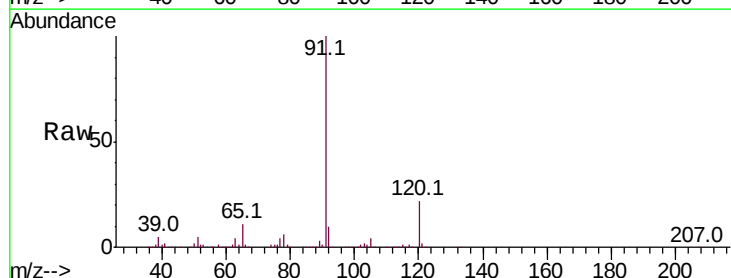
Acq: 16 Sep 2020 21:00

Tgt Ion: 91 Resp: 1208990

Ion Ratio Lower Upper

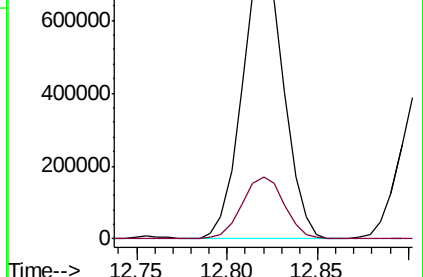
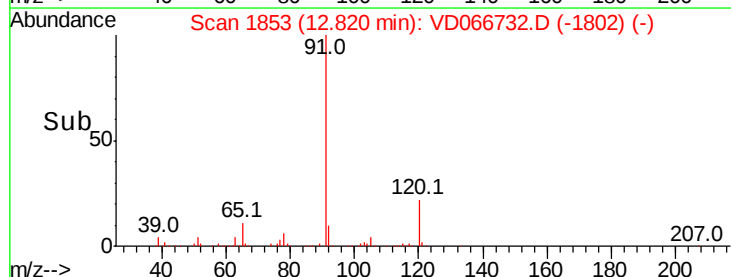
91 100

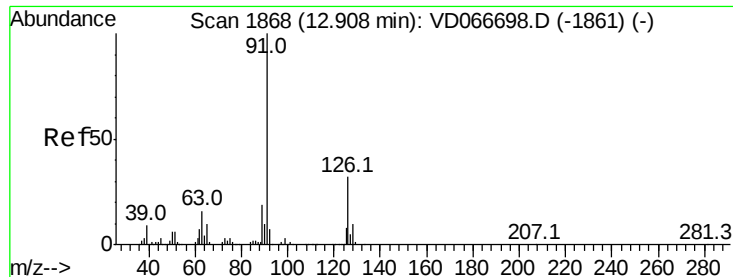
120 22.9 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.907 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

Instrument :

MSVOA_D

ClientSampleId :

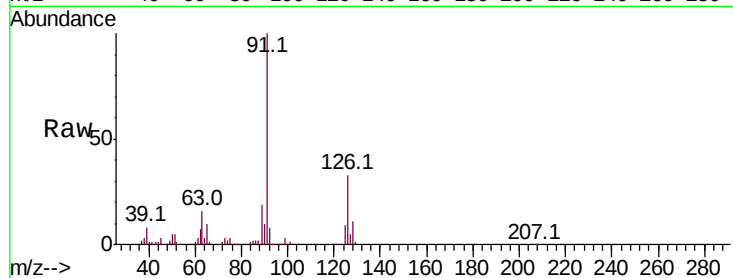
VSTDCCC050EC

Tot Ion: 91 Resp: 688794

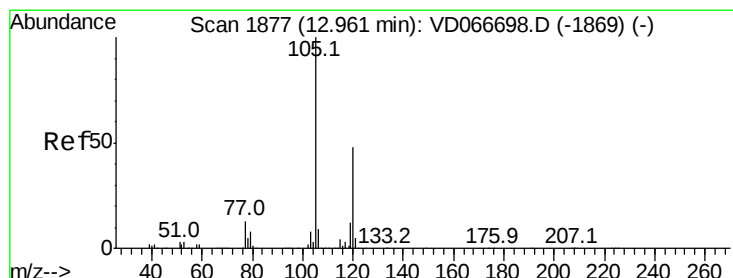
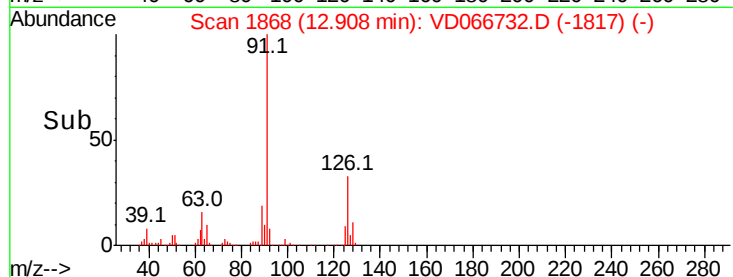
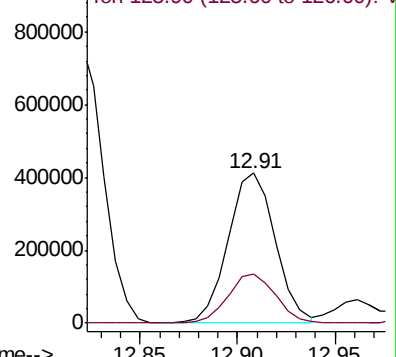
Ion Ratio Lower Upper

91 100

126 33.4 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VD066732.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.904 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066732.D

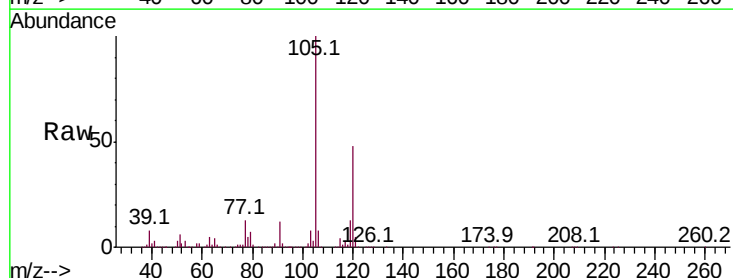
Acq: 16 Sep 2020 21:00

Tgt Ion:105 Resp: 862136

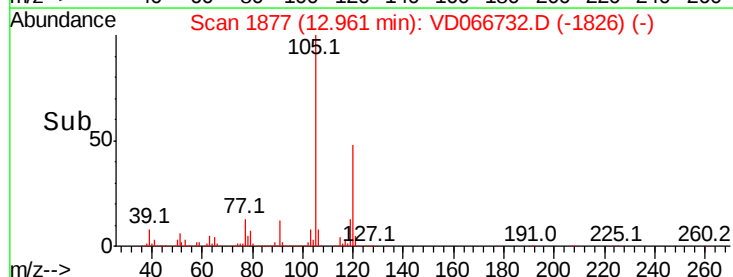
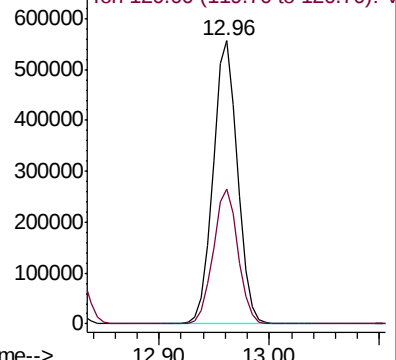
Ion Ratio Lower Upper

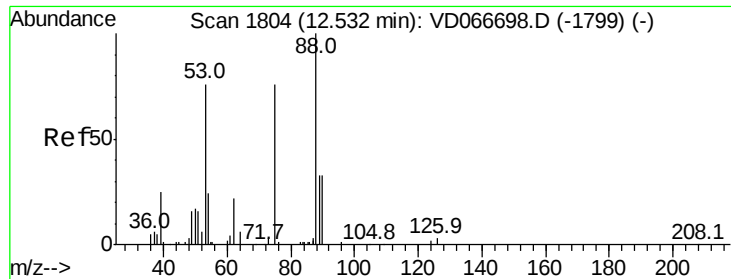
105 100

120 48.5 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VD066732.D (-1869) (-)

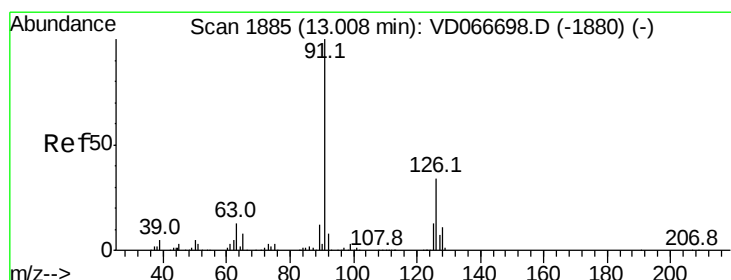
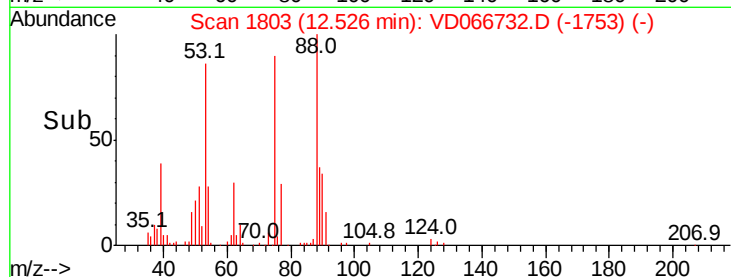
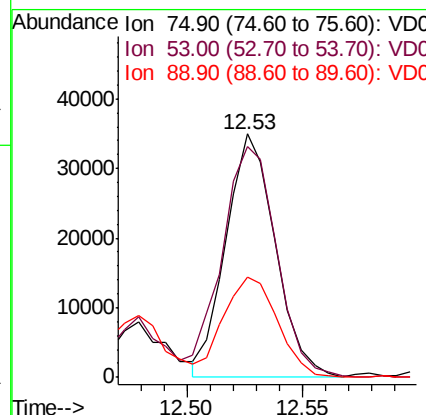
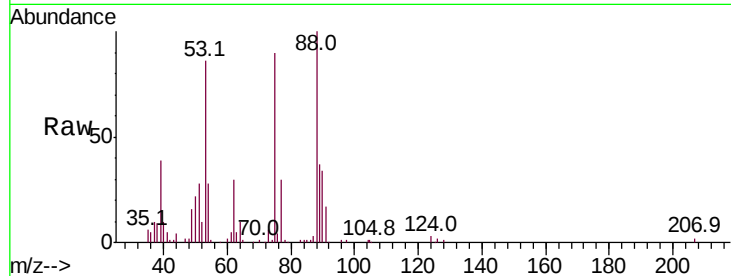




#81
trans-1,4-Dichloro-2-butene
Concen: 47.956 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066732.D
Acq: 16 Sep 2020 21:00

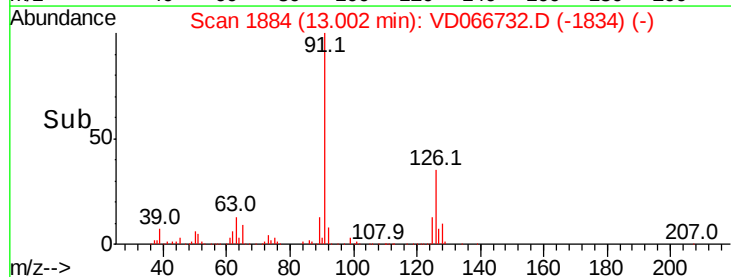
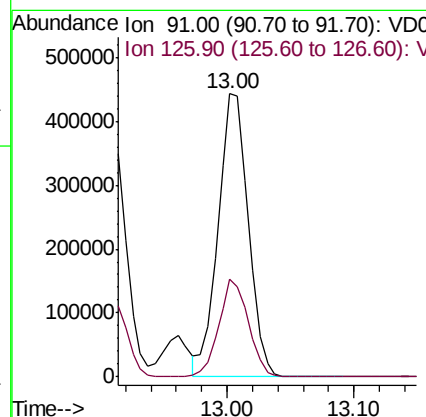
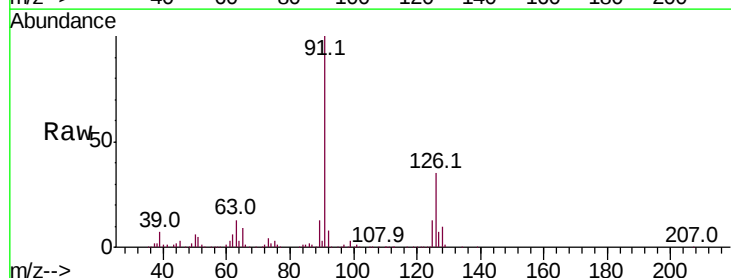
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

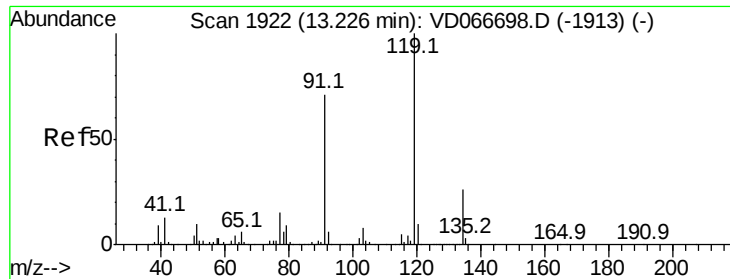
Tot Ion: 75 Resp: 52057
Ion Ratio Lower Upper
75 100
53 105.5 82.2 123.4
89 45.4 39.6 59.4



#82
4-Chlorotoluene
Concen: 49.220 ug/l
RT: 13.00 min Scan# 1884
Delta R.T. -0.01 min
Lab File: VD066732.D
Acq: 16 Sep 2020 21:00

Tgt Ion: 91 Resp: 732972
Ion Ratio Lower Upper
91 100
126 33.8 16.8 50.4

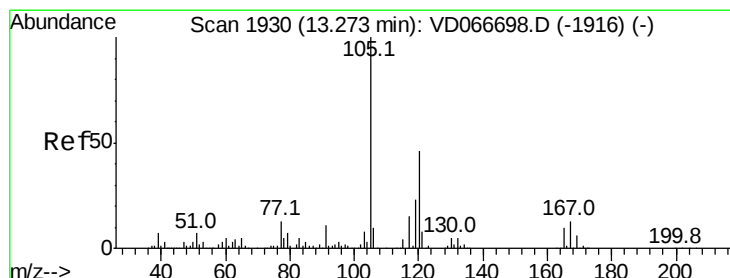
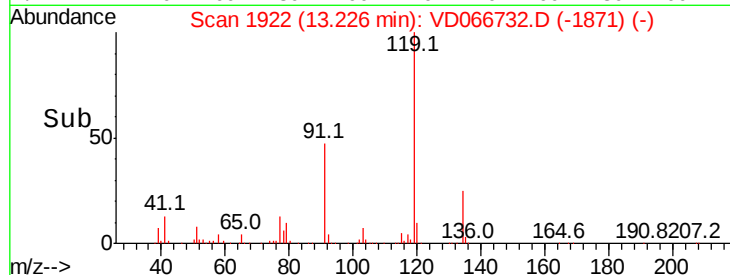
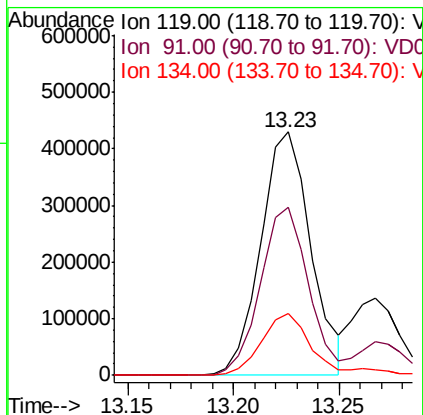
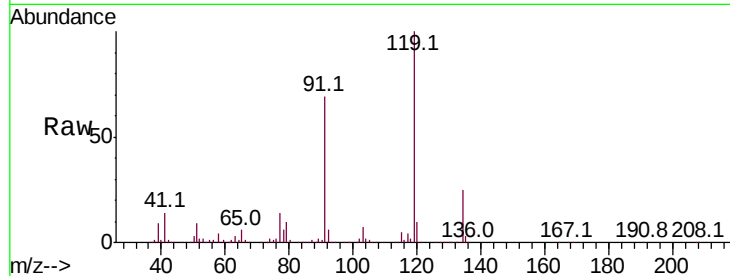




#83
tert-Butylbenzene
Concen: 49.875 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066732.D
Acq: 16 Sep 2020 21:00

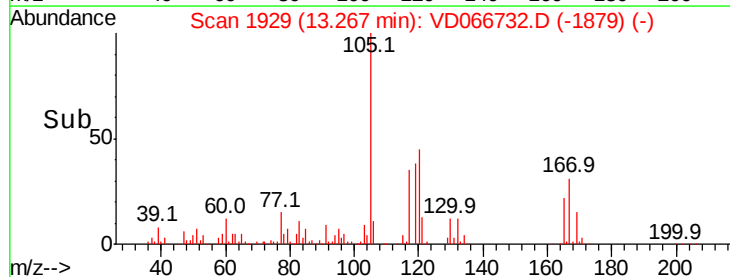
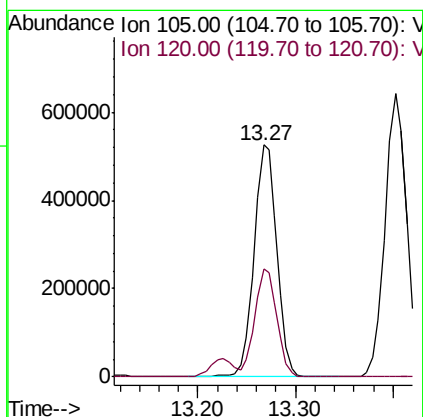
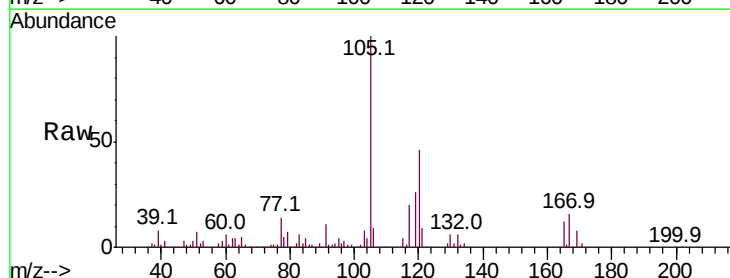
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

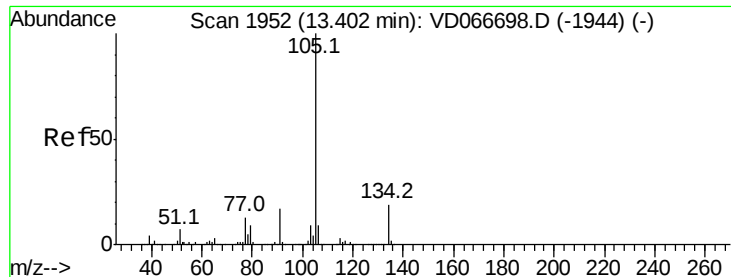
Tot Ion:119 Resp: 710167
Ion Ratio Lower Upper
119 100
91 66.3 35.0 105.1
134 24.5 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 50.157 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066732.D
Acq: 16 Sep 2020 21:00

Tgt Ion:105 Resp: 865971
Ion Ratio Lower Upper
105 100
120 44.8 22.4 67.2





#85

sec-Butylbenzene

Concen: 48.398 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

Instrument :

MSVOA_D

ClientSampleId :

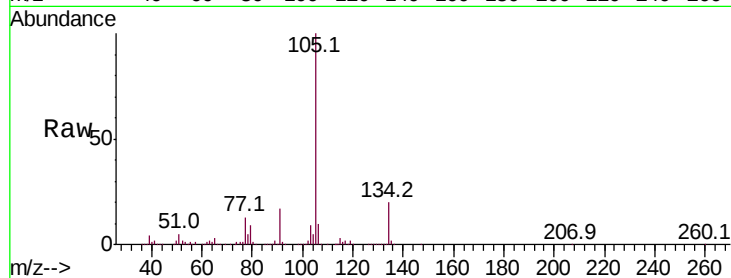
VSTDCCC050EC

Tot Ion:105 Resp: 987972

Ion Ratio Lower Upper

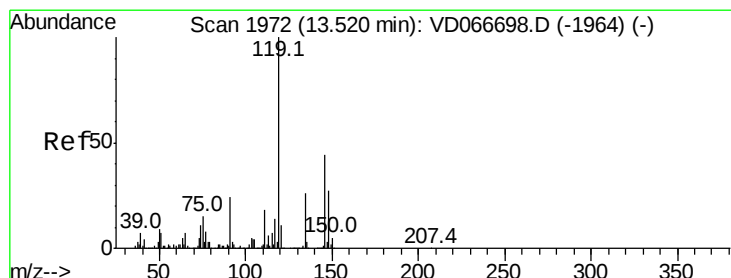
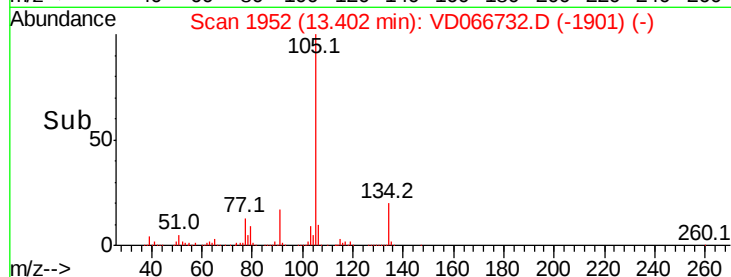
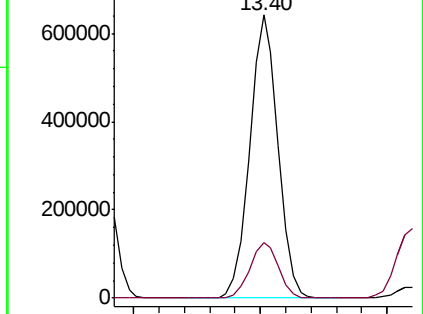
105 100

134 19.8 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.344 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

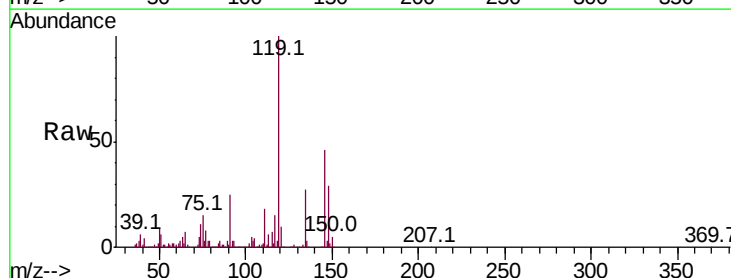
Tgt Ion:119 Resp: 915740

Ion Ratio Lower Upper

119 100

134 26.0 12.9 38.7

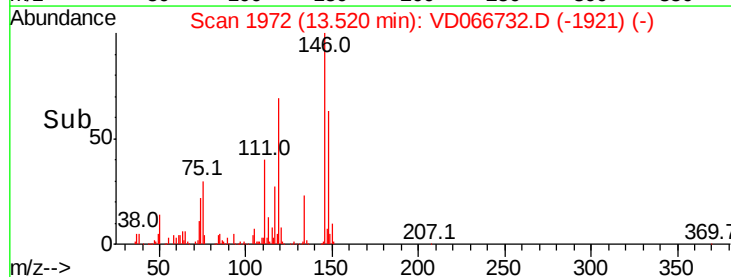
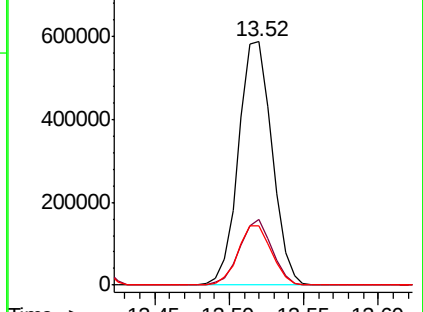
91 24.6 12.3 36.9

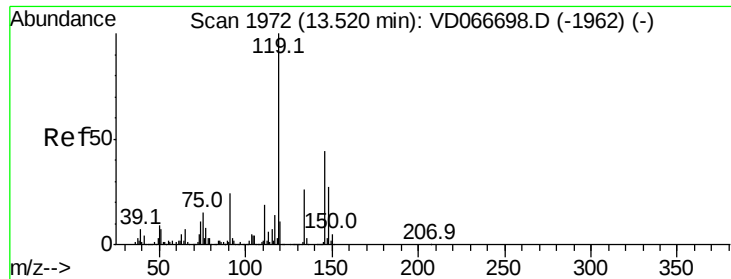


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.109 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

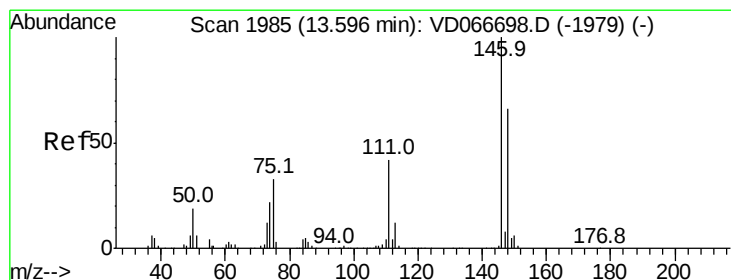
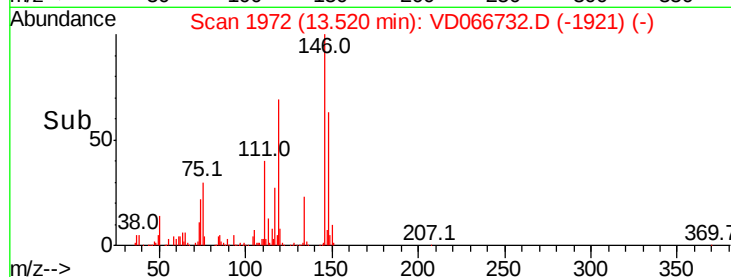
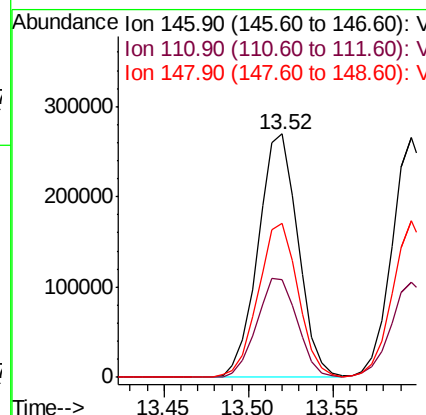
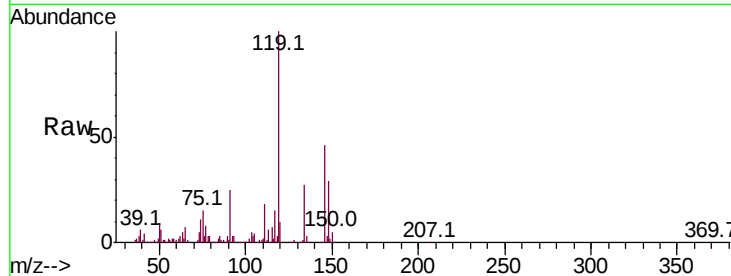
Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:146 Resp: 443692

Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.1	63.3
148	63.4	31.4	94.2



#88

1,4-Dichlorobenzene

Concen: 48.412 ug/l

RT: 13.60 min Scan# 1985

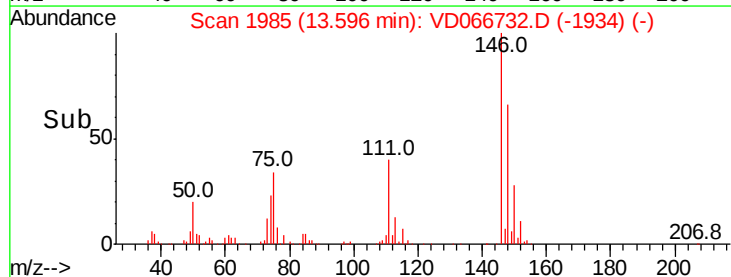
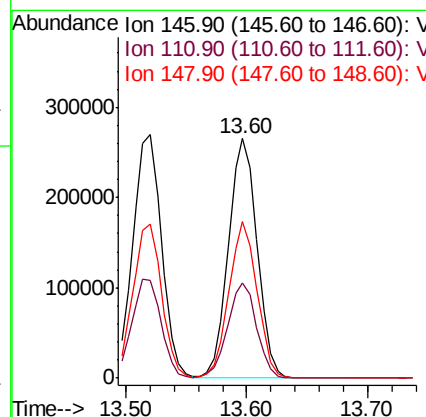
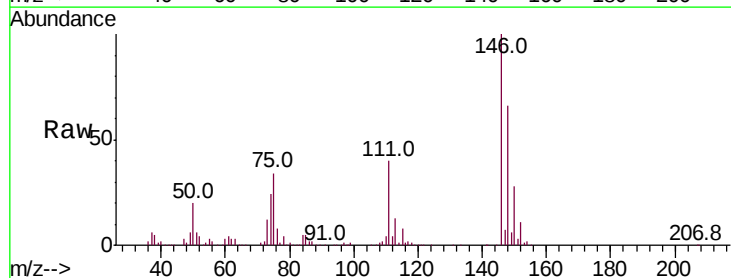
Delta R.T. 0.00 min

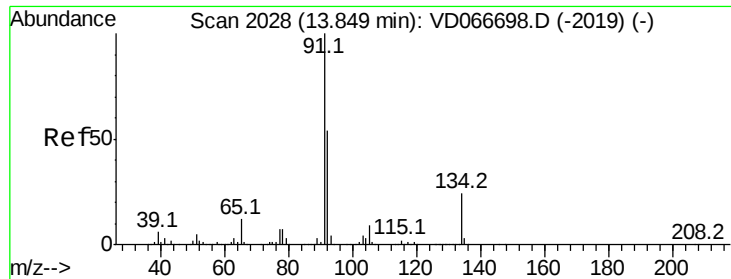
Lab File: VD066732.D

Acq: 16 Sep 2020 21:00

Tgt Ion:146 Resp: 435554

Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.5	61.6
148	64.5	32.7	98.1

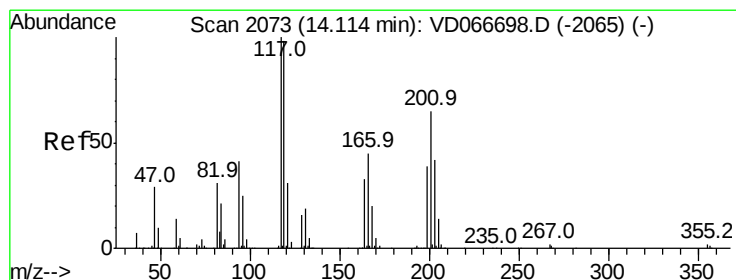
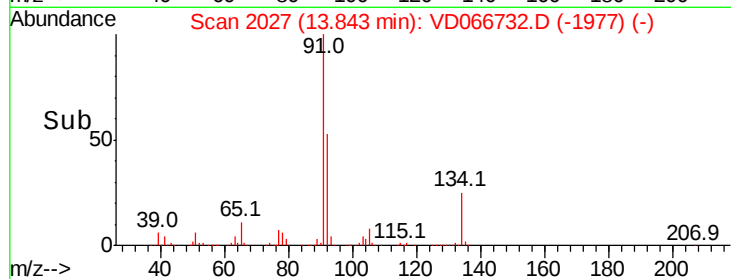
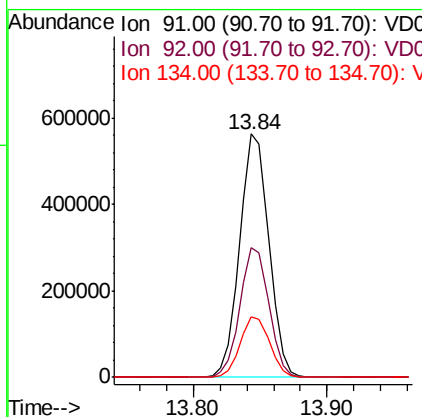
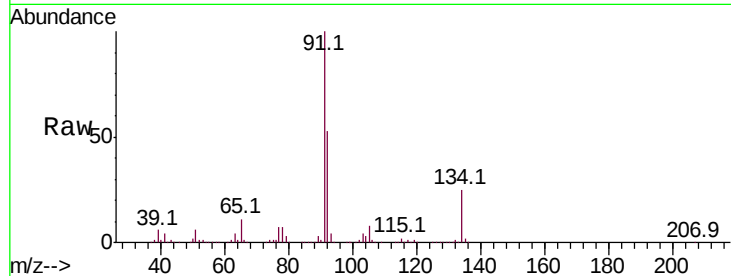




#89
n-Butylbenzene
Concen: 48.232 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066732.D
Acq: 16 Sep 2020 21:00

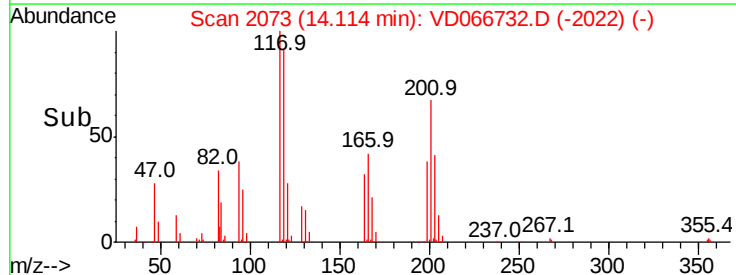
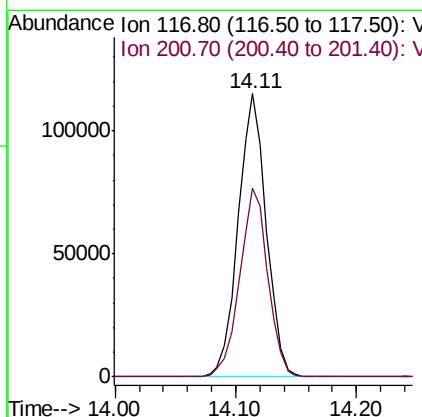
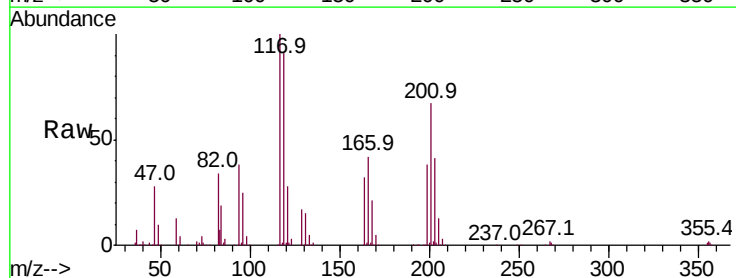
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

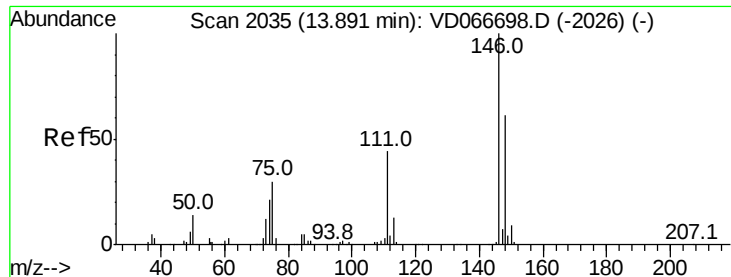
Tot Ion: 91 Resp: 851140
Ion Ratio Lower Upper
91 100
92 52.9 27.0 81.0
134 25.0 12.4 37.0



#90
Hexachloroethane
Concen: 48.994 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066732.D
Acq: 16 Sep 2020 21:00

Tgt Ion: 117 Resp: 186784
Ion Ratio Lower Upper
117 100
201 66.6 33.1 99.3

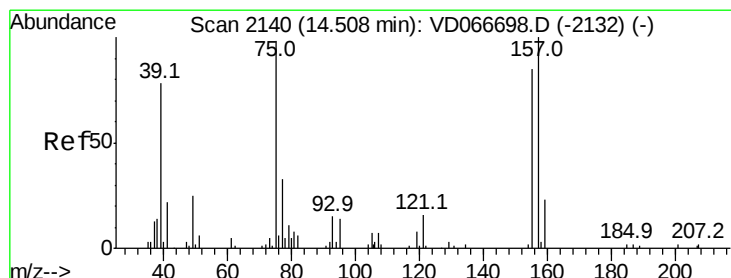
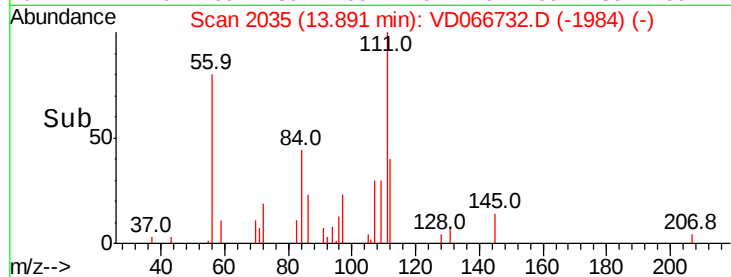
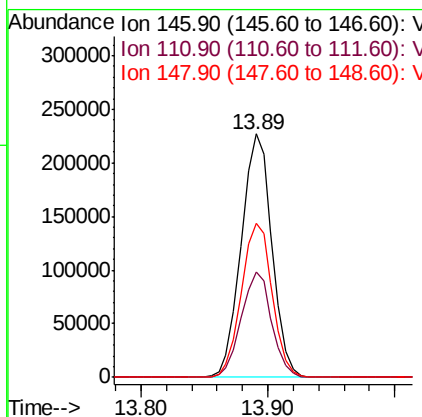
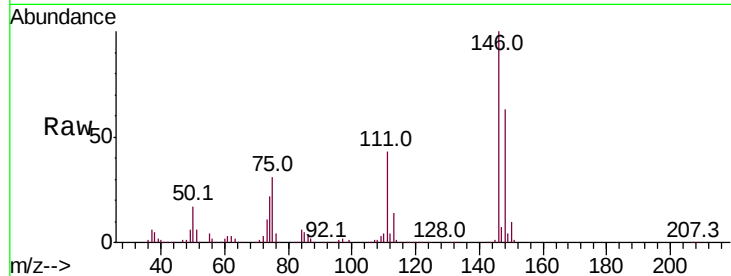




#91
 1,2-Dichlorobenzene
 Concen: 49.131 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066732.D
 Acq: 16 Sep 2020 21:00

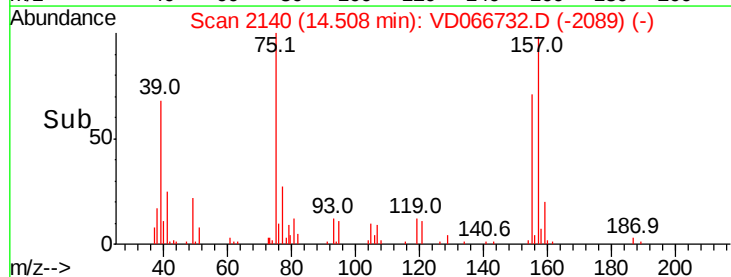
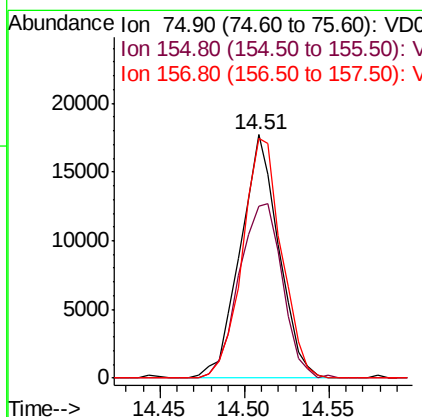
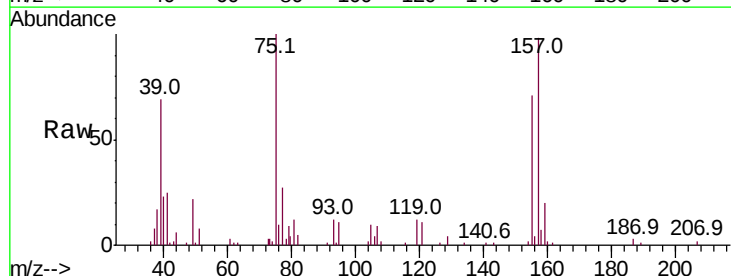
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

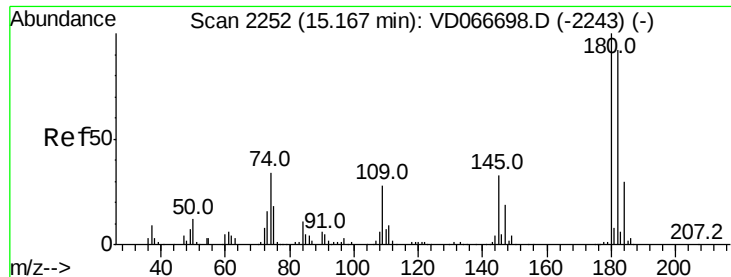
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.6	64.6
148	63.6	31.4	94.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.945 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD066732.D
 Acq: 16 Sep 2020 21:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.5	38.9	116.7
157	100.1	46.4	139.2

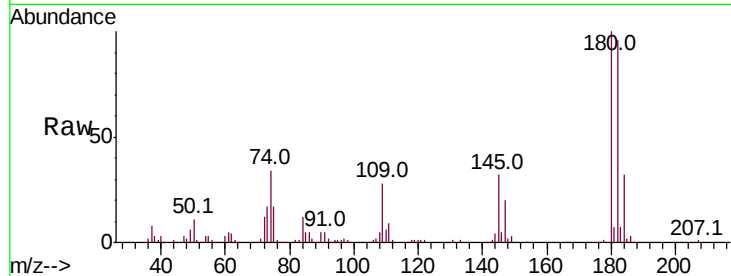




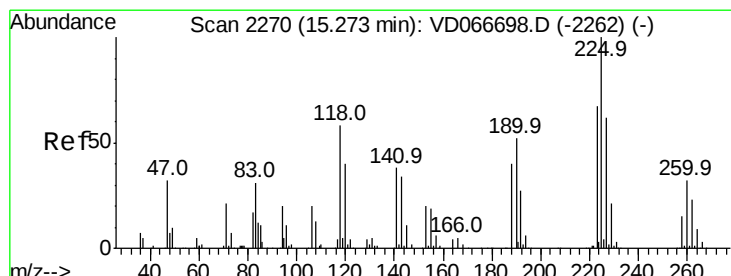
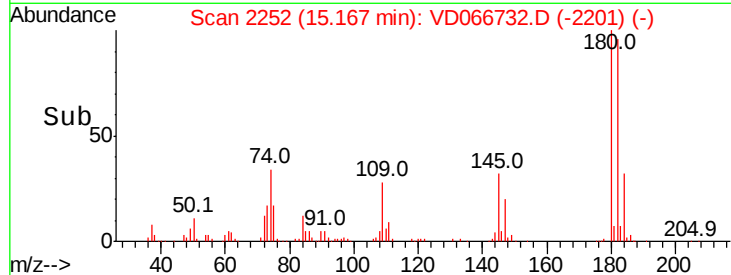
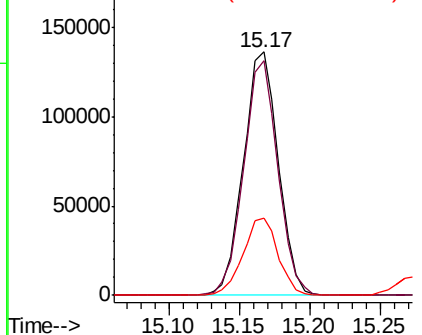
#93
 1,2,4-Trichlorobenzene
 Concen: 50.399 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066732.D
 Acq: 16 Sep 2020 21:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	46.6	139.7
145	32.0	16.5	49.5

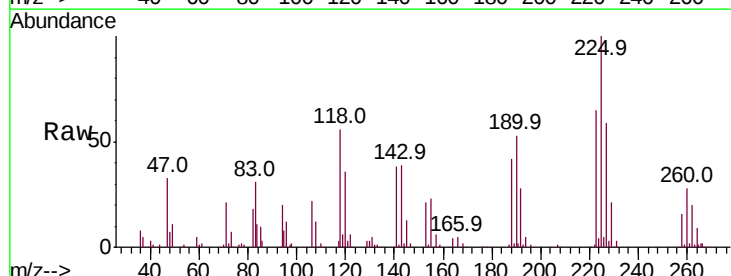


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

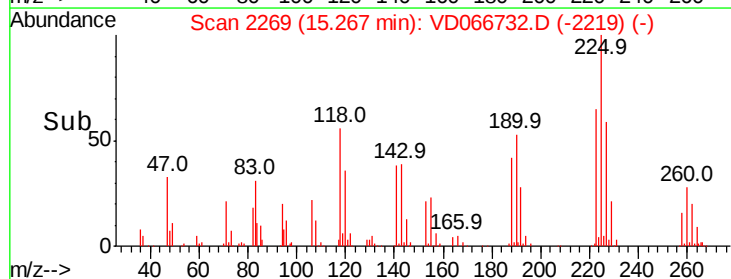
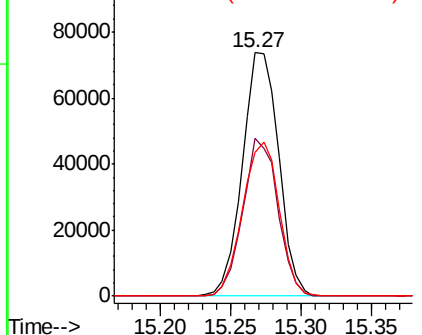


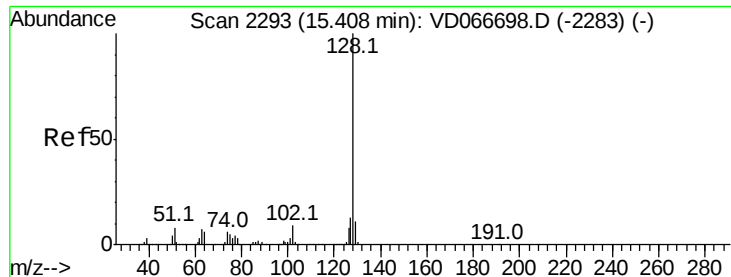
#94
 Hexachlorobutadiene
 Concen: 47.281 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VD066732.D
 Acq: 16 Sep 2020 21:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.9	95.9
227	63.9	31.3	93.9



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

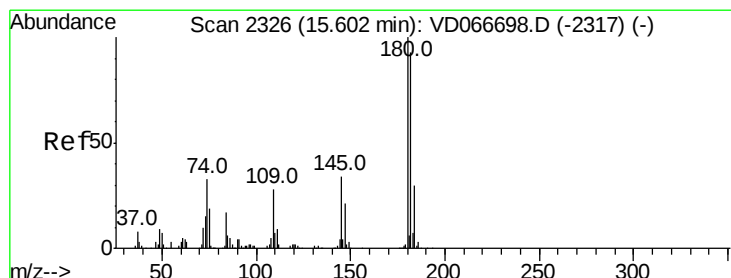
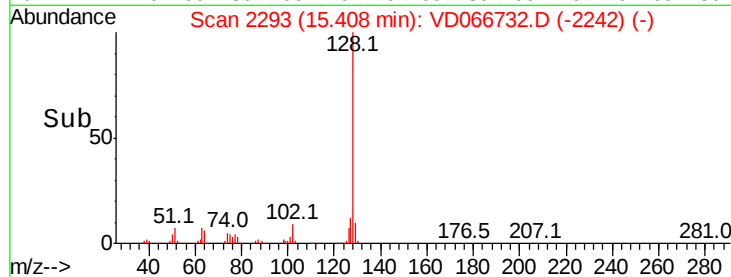
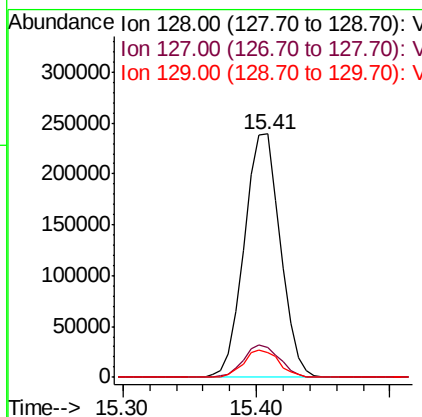
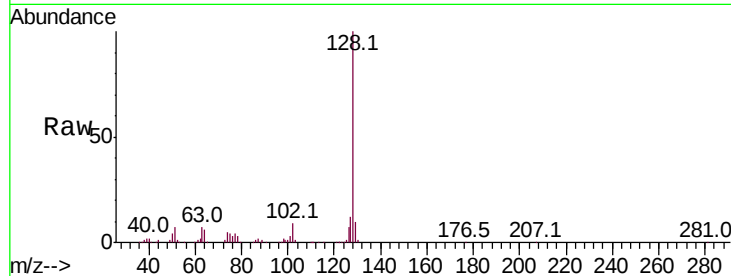




#95
Naphthalene
Concen: 54.491 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066732.D
Acq: 16 Sep 2020 21:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 445781
Ion Ratio Lower Upper
128 100
127 13.3 10.5 15.7
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 51.449 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066732.D
Acq: 16 Sep 2020 21:00

Tgt Ion:180 Resp: 210416
Ion Ratio Lower Upper
180 100
182 93.7 46.6 139.8
145 35.1 17.1 51.3

