

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110320\
 Data File : VD067504.D
 Acq On : 03 Nov 2020 11:37
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Nov 04 00:28:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:25:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	340580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	491462	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	446968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	223360	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	132231	44.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.80%	
35) Dibromofluoromethane	7.92	113	140884	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	
50) Toluene-d8	10.34	98	489533	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	
62) 4-Bromofluorobenzene	12.64	95	169844	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	140147	45.001	ug/l	100
3) Chloromethane	2.21	50	93559	44.114	ug/l	100
4) Vinyl Chloride	2.35	62	111939	47.340	ug/l	100
5) Bromomethane	2.77	94	89503	46.701	ug/l	100
6) Chloroethane	2.93	64	71601	49.116	ug/l	100
7) Trichlorofluoromethane	3.28	101	289984	47.364	ug/l	100
8) Diethyl Ether	3.71	74	58444	47.374	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	148123	47.929	ug/l	100
10) Methyl Iodide	4.30	142	176971	53.429	ug/l	100
11) Tert butyl alcohol	5.23	59	31736	210.468	ug/l	100
12) 1,1-Dichloroethene	4.07	96	134970	47.480	ug/l	100
13) Acrolein	3.93	56	32930	304.343	ug/l	100
14) Allyl chloride	4.71	41	150496	49.467	ug/l	100
15) Acrylonitrile	5.43	53	112506	246.707	ug/l	100
16) Acetone	4.16	43	122862	275.697	ug/l	100
17) Carbon Disulfide	4.41	76	418589	48.055	ug/l	100
18) Methyl Acetate	4.72	43	40891	44.403	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	281400	50.186	ug/l	100
20) Methylene Chloride	4.97	84	144389	45.868	ug/l	100
21) trans-1,2-Dichloroethene	5.48	96	159675	48.227	ug/l	100
22) Diisopropyl ether	6.36	45	295194	49.791	ug/l	100
23) Vinyl Acetate	6.31	43	811752	261.072	ug/l	100
24) 1,1-Dichloroethane	6.27	63	231139	47.655	ug/l	100
25) 2-Butanone	7.21	43	117281	246.296	ug/l	100
26) 2,2-Dichloropropane	7.21	77	248724	48.589	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	170587	49.638	ug/l	100
28) Bromochloromethane	7.55	49	86502	50.139	ug/l	100
29) Tetrahydrofuran	7.57	42	72214	253.175	ug/l	100
30) Chloroform	7.71	83	281189	48.596	ug/l	100
31) Cyclohexane	8.00	56	202907	46.978	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	284183	47.600	ug/l	100
36) 1,1-Dichloropropene	8.12	75	208555	49.575	ug/l	100
37) Ethyl Acetate	7.30	43	57399	52.556	ug/l	100
38) Carbon Tetrachloride	8.10	117	270307	49.454	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	262628	53.042	ug/l	100
40) Benzene	8.36	78	570583	50.072	ug/l	100
41) Methacrylonitrile	7.53	41	29853	54.341	ug/l	100
42) 1,2-Dichloroethane	8.43	62	173983	49.416	ug/l	100
43) Isopropyl Acetate	8.46	43	107925	49.966	ug/l	100
44) Trichloroethene	9.12	130	182263	48.644	ug/l	100
45) 1,2-Dichloropropane	9.39	63	121043	49.130	ug/l	100
46) Dibromomethane	9.48	93	78653	50.209	ug/l	100
47) Bromodichloromethane	9.67	83	214277	50.326	ug/l	100
48) Methyl methacrylate	9.46	41	58568	52.516	ug/l	100
49) 1,4-Dioxane	9.47	88	16158	1016.045	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	266443	257.927	ug/l	100
52) Toluene	10.41	92	386804	50.678	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	184531	50.603	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	216215	49.904	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	104566	50.449	ug/l	100
56) Ethyl methacrylate	10.67	69	110864	51.796	ug/l	100
57) 1,3-Dichloropropane	10.95	76	168705	50.581	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	265177	265.673	ug/l	100
59) 2-Hexanone	10.99	43	194702	269.564	ug/l	100
60) Dibromochloromethane	11.15	129	155211	50.622	ug/l	100
61) 1,2-Dibromoethane	11.25	107	102715	49.377	ug/l	100
64) Tetrachloroethene	10.88	164	162810	49.184	ug/l	100
65) Chlorobenzene	11.68	112	425647	49.437	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	166992	49.211	ug/l	100
67) Ethyl Benzene	11.75	91	751532	51.010	ug/l	100
68) m/p-Xylenes	11.86	106	583068	101.725	ug/l	100
69) o-Xylene	12.18	106	261549	51.109	ug/l	100
70) Styrene	12.20	104	454791	51.001	ug/l	100
71) Bromoform	12.37	173	85862	49.612	ug/l #	100
73) Isopropylbenzene	12.48	105	758614	52.552	ug/l	100
74) N-amyl acetate	12.30	43	98103	51.648	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	96980	49.268	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	139380	98.953	ug/l #	100
77) Bromobenzene	12.77	156	178629	50.387	ug/l	100
78) n-propylbenzene	12.83	91	862990	52.266	ug/l	100
79) 2-Chlorotoluene	12.91	91	483571	51.557	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	651168	52.806	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	31613	47.633	ug/l	100
82) 4-Chlorotoluene	13.01	91	513581	51.055	ug/l	100
83) tert-Butylbenzene	13.23	119	551611	52.781	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	647452	52.746	ug/l	100
85) sec-Butylbenzene	13.41	105	751233	53.248	ug/l	100
86) p-Isopropyltoluene	13.52	119	712531	52.300	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	339175	50.139	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	337401	49.258	ug/l	100
89) n-Butylbenzene	13.85	91	633770	53.856	ug/l	100
90) Hexachloroethane	14.11	117	130503	50.866	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	293528	50.137	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17008	48.801	ug/l	100

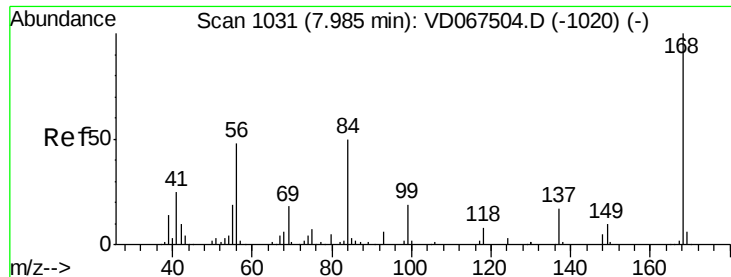
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	205274	51.659	ug/l	100
94) Hexachlorobutadiene	15.27	225	132731	49.910	ug/l	100
95) Naphthalene	15.41	128	333010	54.305	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	177830	52.261	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

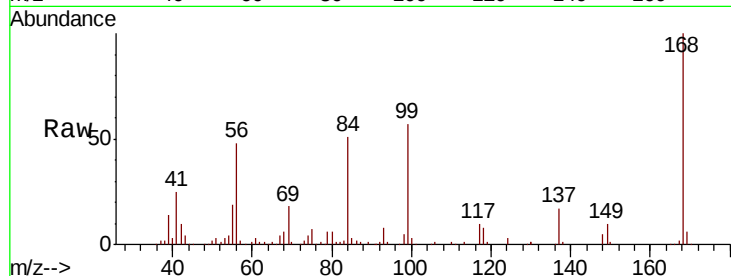
VSTDICCC050

Tot Ion:168 Resp: 340580

Ion Ratio Lower Upper

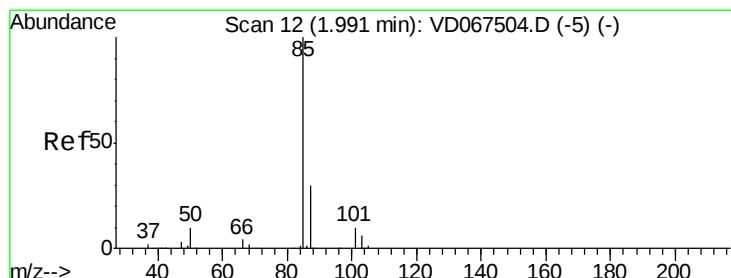
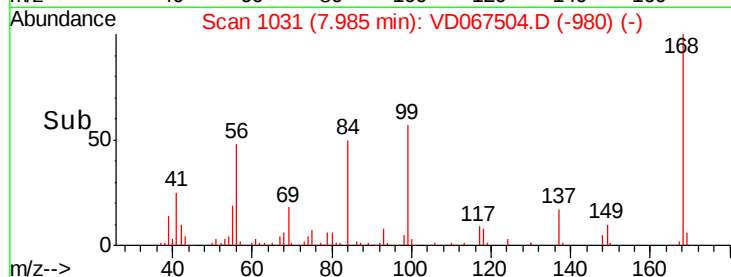
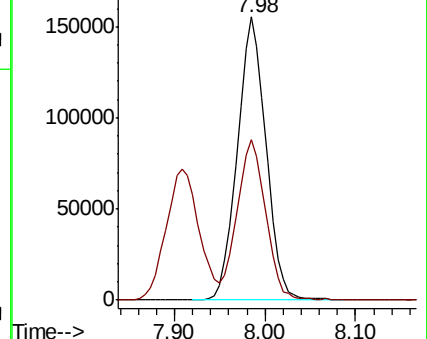
168 100

99 56.3 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 45.001 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067504.D

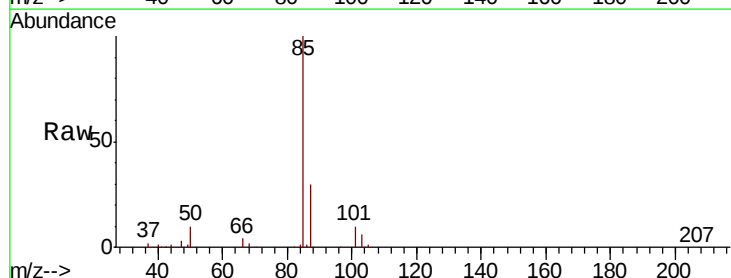
Acq: 03 Nov 2020 11:37

Tgt Ion: 85 Resp: 140147

Ion Ratio Lower Upper

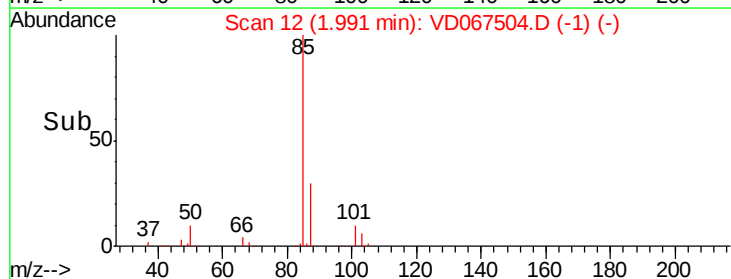
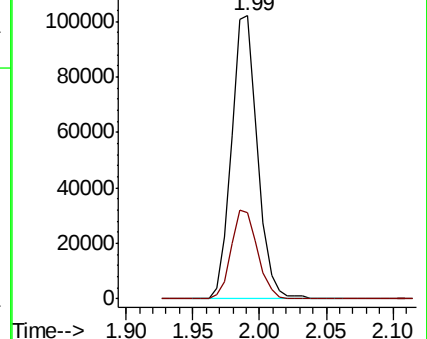
85 100

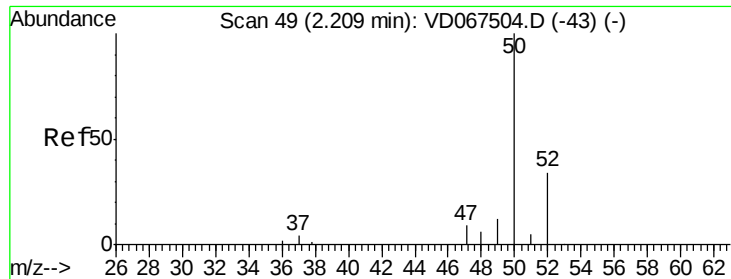
87 30.5 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 44.114 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

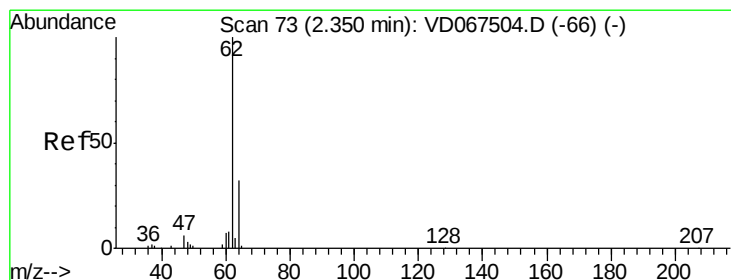
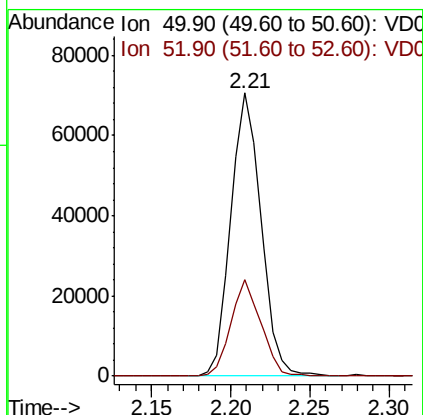
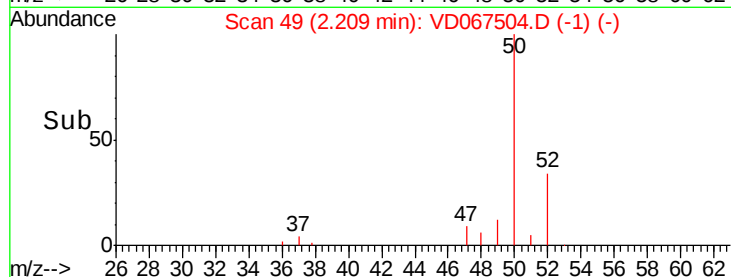
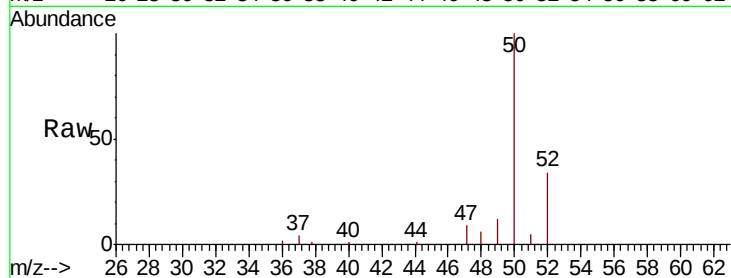
VSTDICCC050

Tot Ion: 50 Resp: 93559

Ion Ratio Lower Upper

50 100

52 34.1 27.3 40.9



#4

Vinyl Chloride

Concen: 47.340 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067504.D

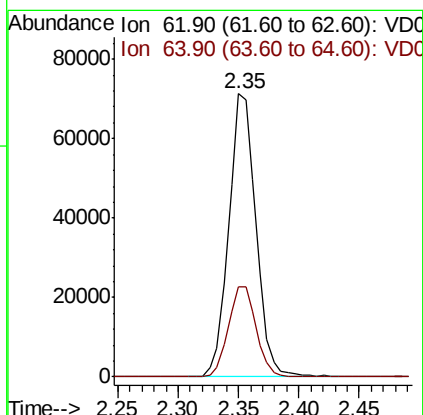
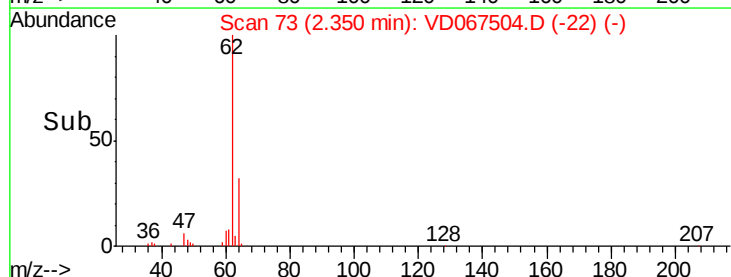
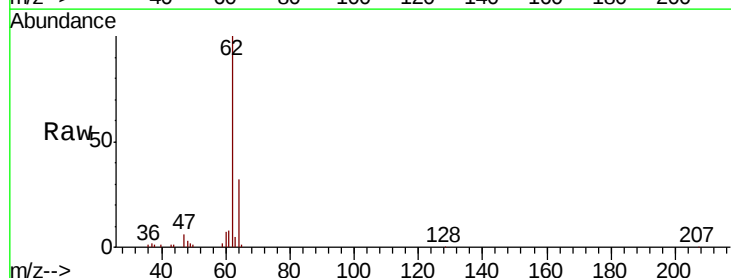
Acq: 03 Nov 2020 11:37

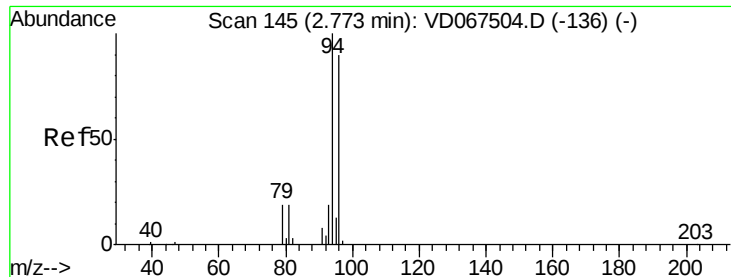
Tgt Ion: 62 Resp: 111939

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4





#5

Bromomethane

Concen: 46.701 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

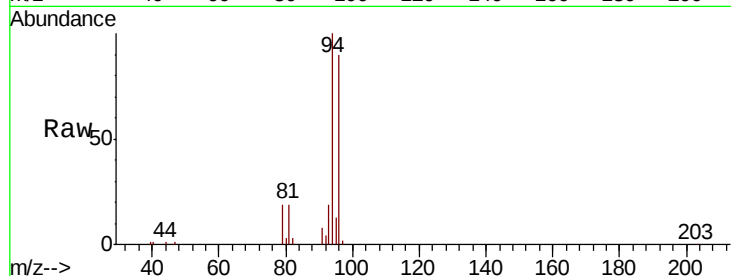
VSTDICCC050

Tot Ion: 94 Resp: 89503

Ion Ratio Lower Upper

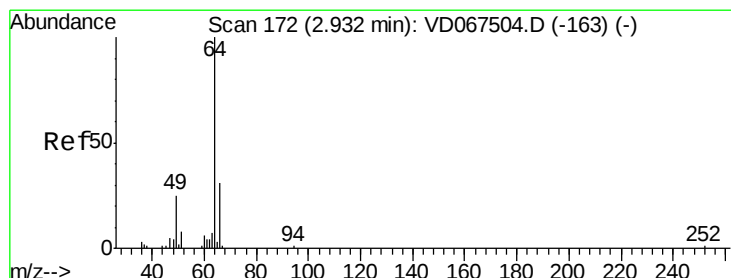
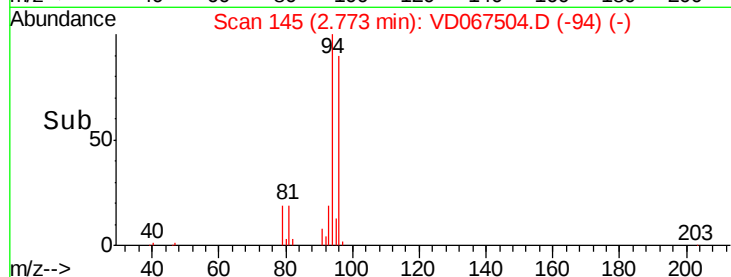
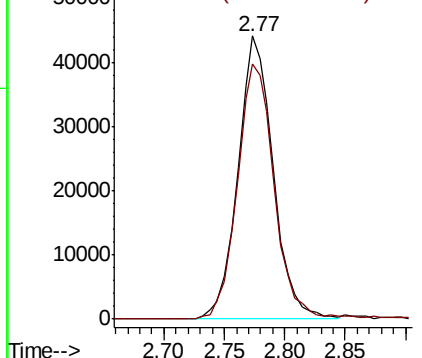
94 100

96 90.2 72.2 108.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.116 ug/l

RT: 2.93 min Scan# 172

Delta R.T. 0.00 min

Lab File: VD067504.D

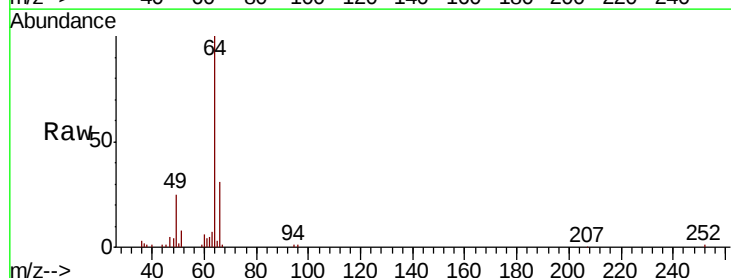
Acq: 03 Nov 2020 11:37

Tgt Ion: 64 Resp: 71601

Ion Ratio Lower Upper

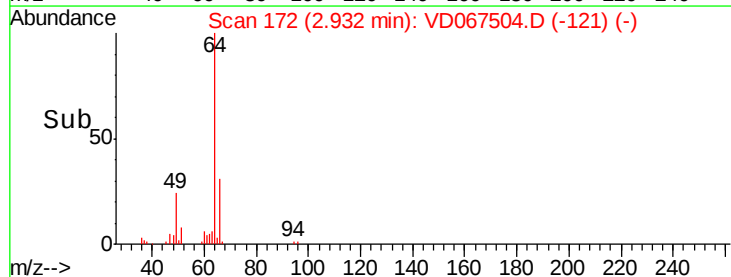
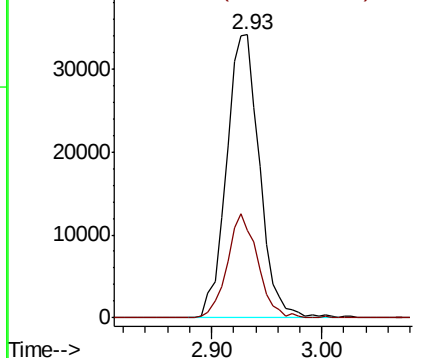
64 100

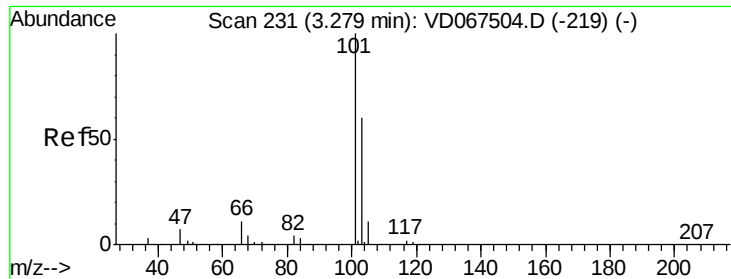
66 30.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



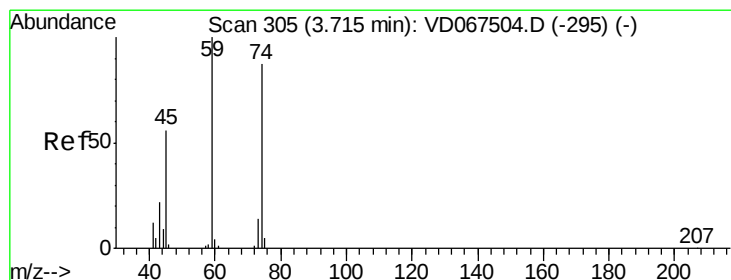
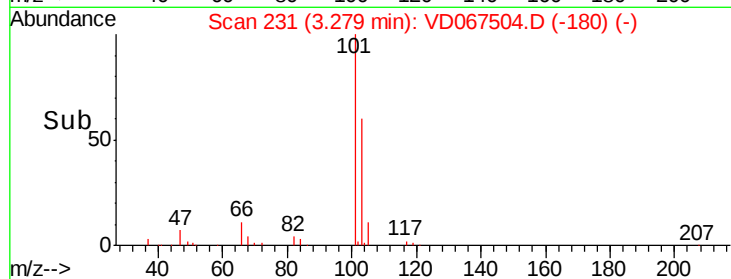
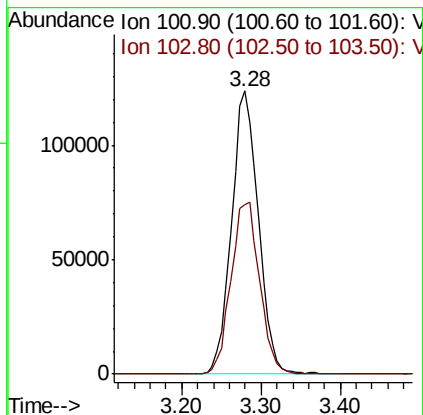
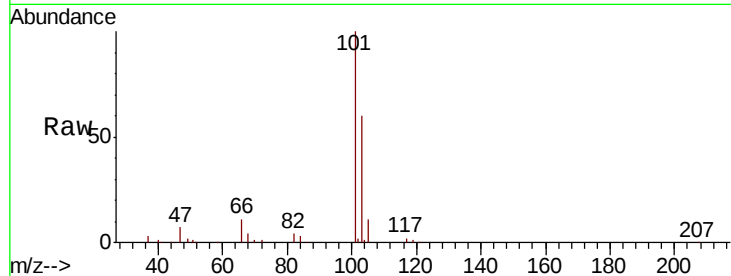


#7

Trichlorofluoromethane
Concen: 47.364 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Instrument :
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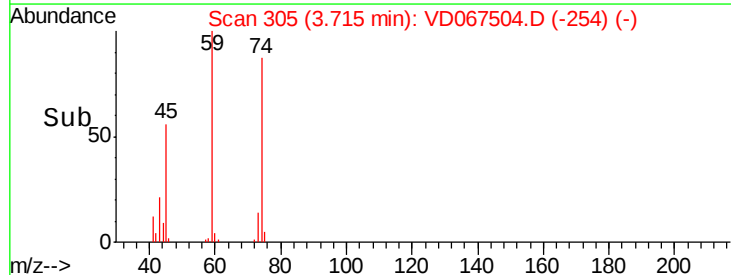
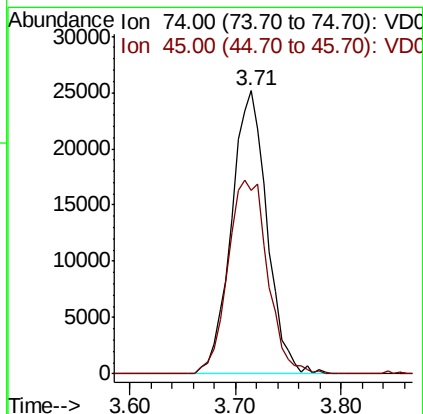
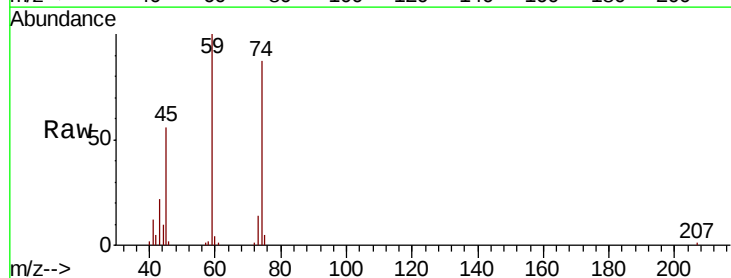
Tot Ion:101 Resp: 289984
Ion Ratio Lower Upper
101 100
103 60.1 48.1 72.1

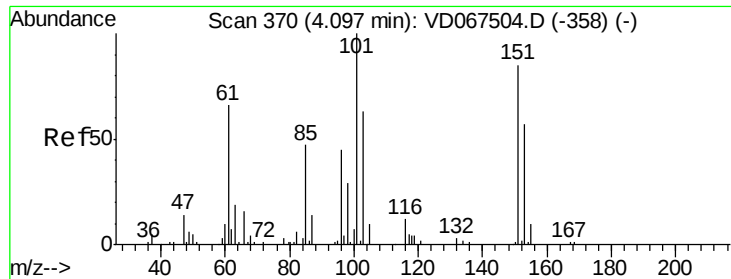


#8

Diethyl Ether
Concen: 47.374 ug/l
RT: 3.71 min Scan# 305
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Tgt Ion: 74 Resp: 58444
Ion Ratio Lower Upper
74 100
45 76.4 38.2 114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.929 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

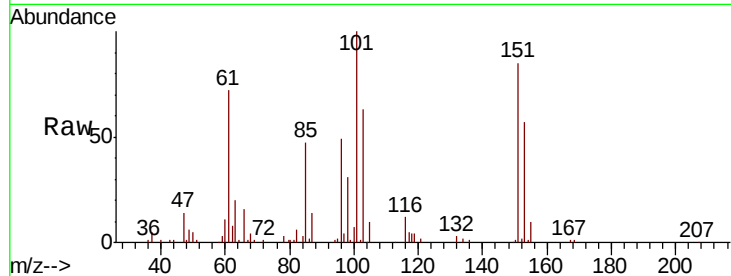
Tot Ion:101 Resp: 148123

Ion Ratio Lower Upper

101 100

85 43.0 34.4 51.6

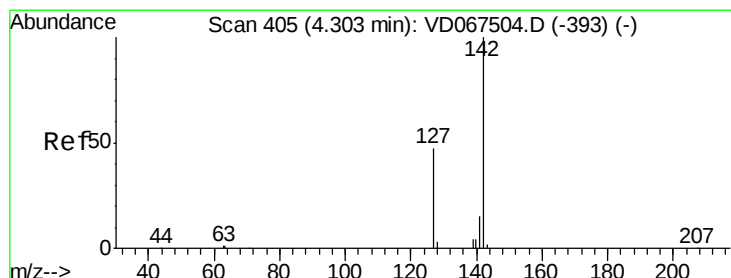
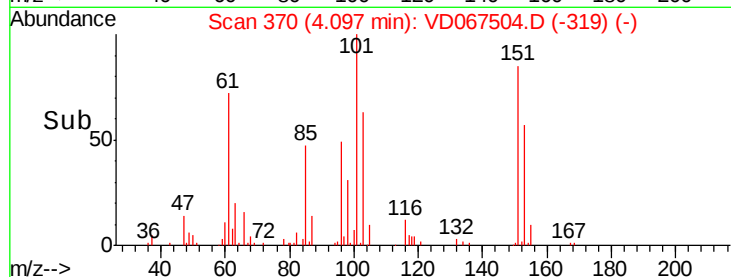
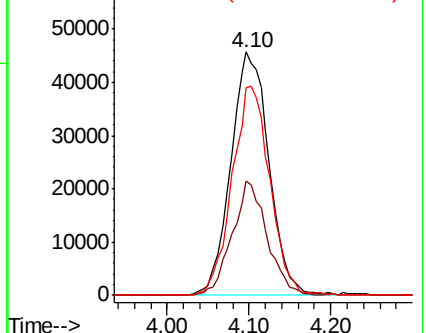
151 85.1 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.429 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

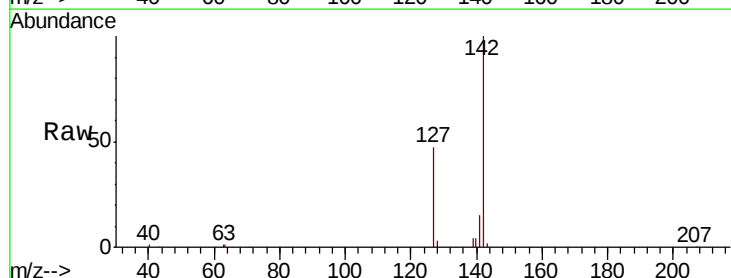
Tgt Ion:142 Resp: 176971

Ion Ratio Lower Upper

142 100

127 50.0 40.0 60.0

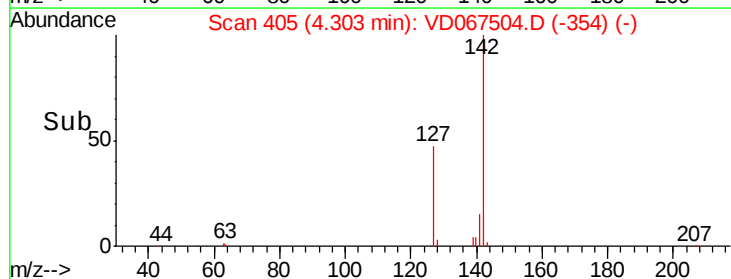
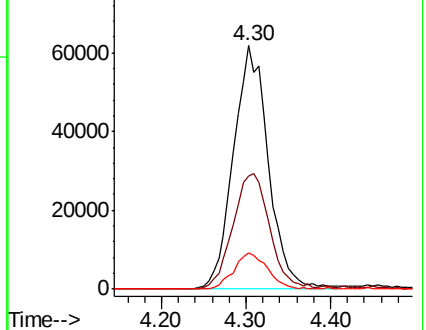
141 14.6 11.7 17.5

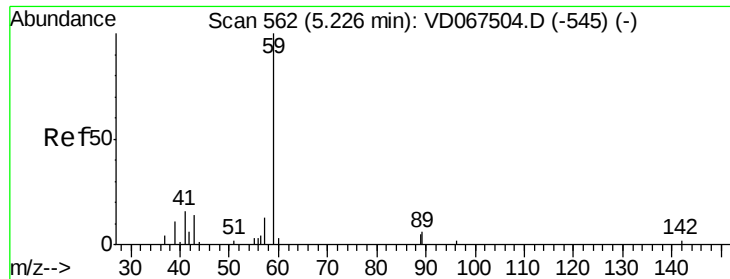


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

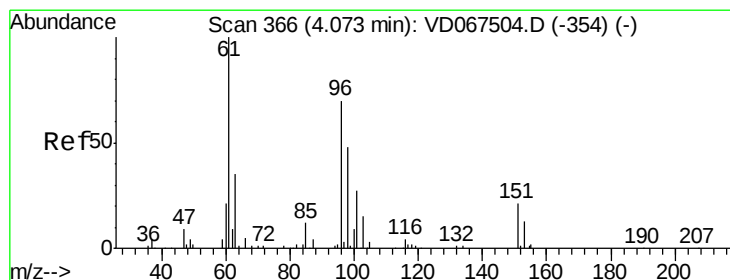
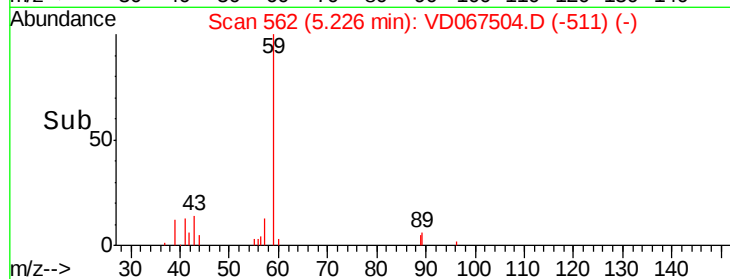
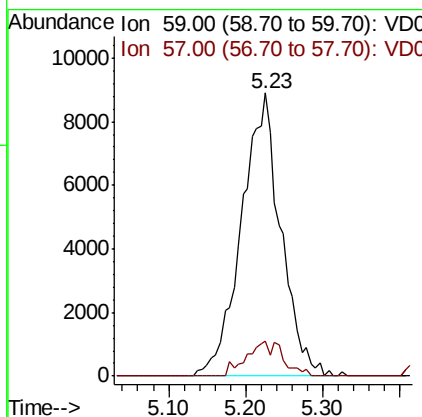
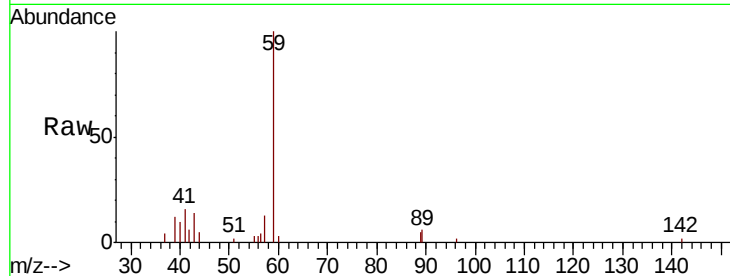




#11
Tert butyl alcohol
Concen: 210.468 ug/l
RT: 5.23 min Scan# 562
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

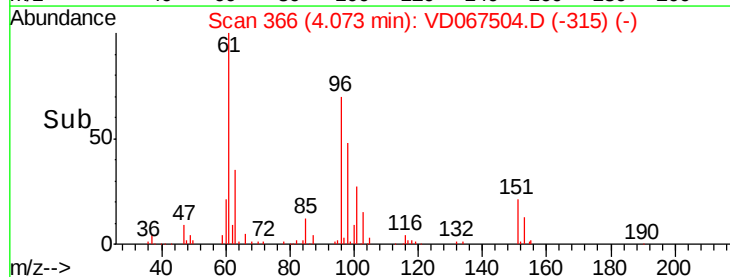
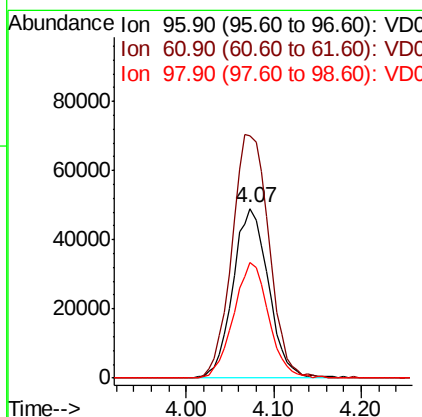
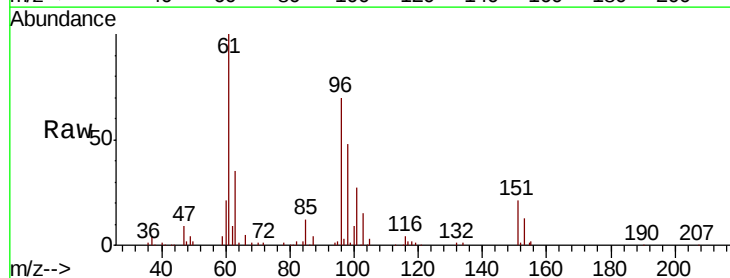
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

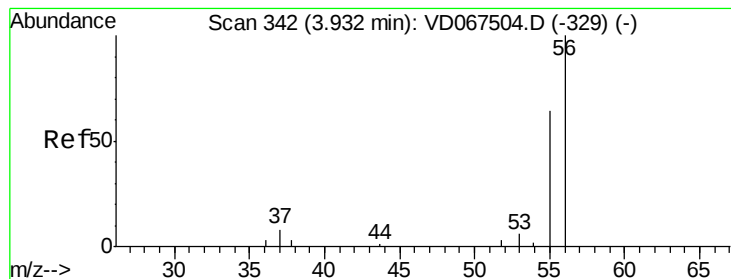
Tot Ion: 59 Resp: 31736
Ion Ratio Lower Upper
59 100
57 7.4 5.9 8.9



#12
1,1-Dichloroethene
Concen: 47.480 ug/l
RT: 4.07 min Scan# 366
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Tgt Ion: 96 Resp: 134970
Ion Ratio Lower Upper
96 100
61 143.1 114.5 171.7
98 68.1 54.5 81.7





#13

Acrolein

Concen: 304.343 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

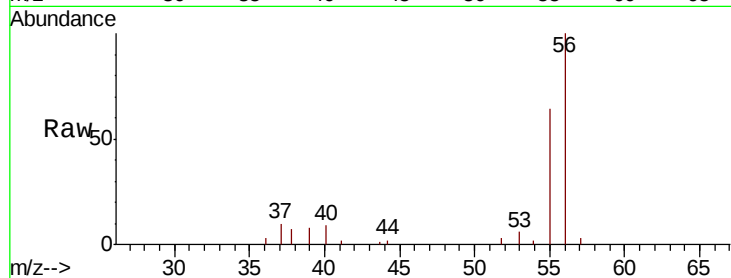
VSTDICCC050

Tot Ion: 56 Resp: 32930

Ion Ratio Lower Upper

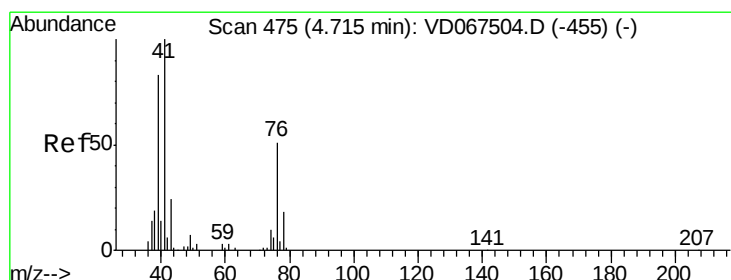
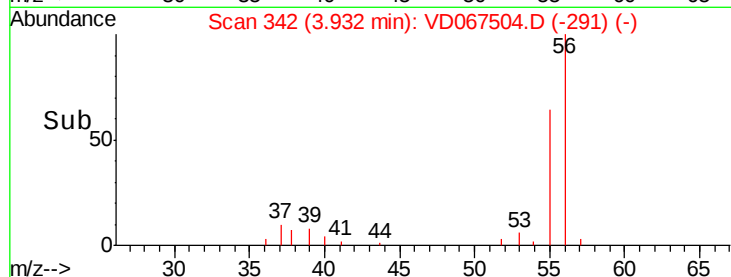
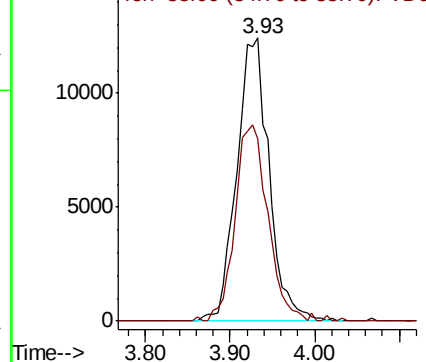
56 100

55 69.8 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.467 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

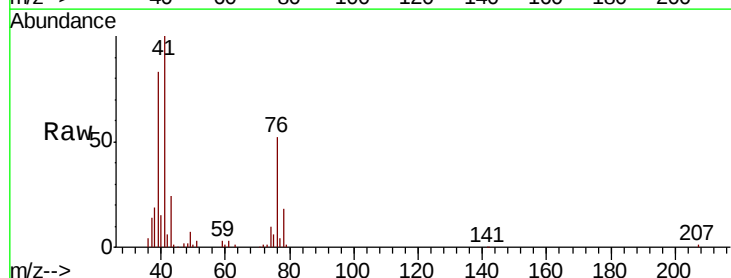
Tgt Ion: 41 Resp: 150496

Ion Ratio Lower Upper

41 100

39 84.2 67.4 101.0

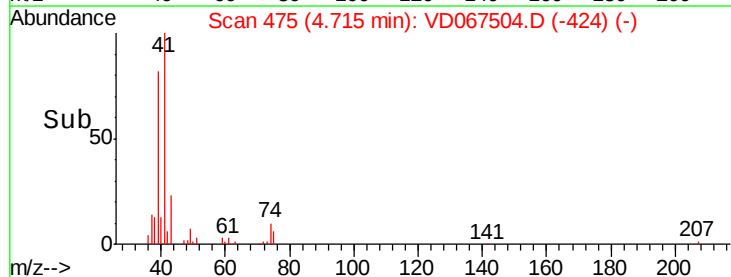
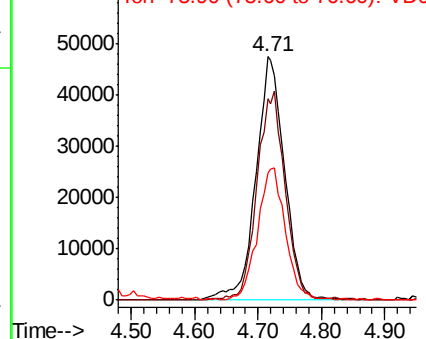
76 52.7 42.2 63.2

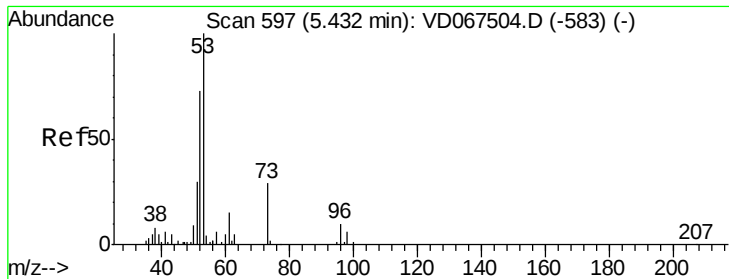


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 246.707 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

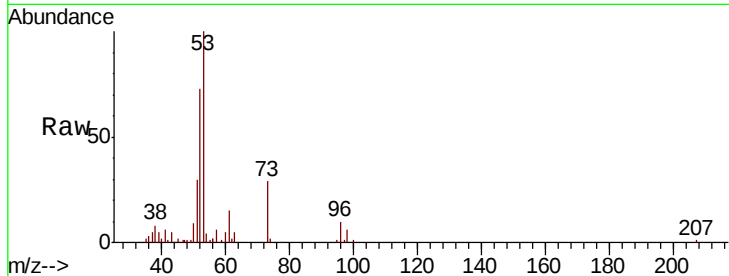
Tot Ion: 53 Resp: 112506

Ion Ratio Lower Upper

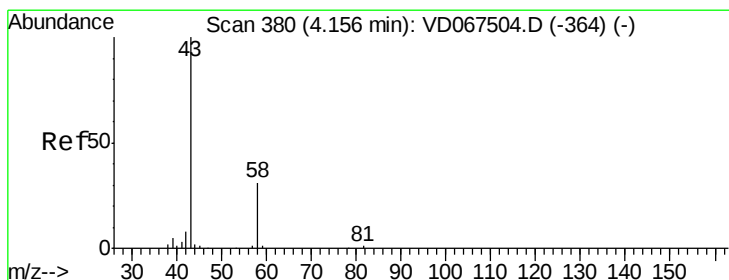
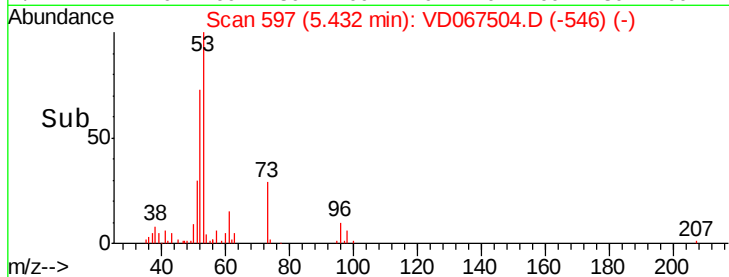
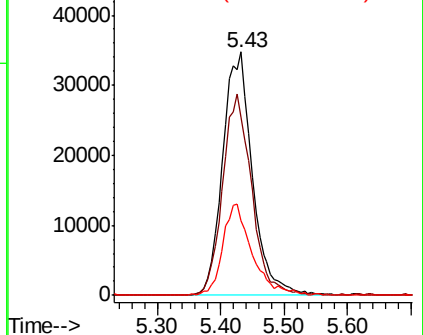
53 100

52 81.0 64.8 97.2

51 36.9 29.5 44.3



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: 275.697 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067504.D

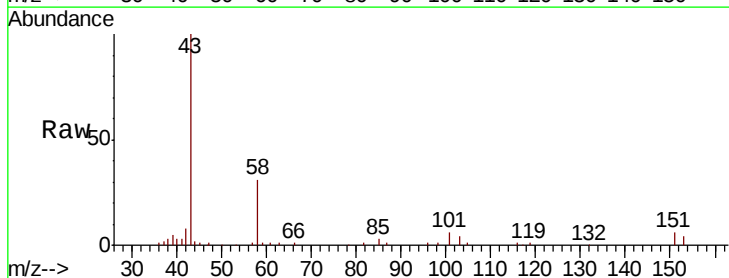
Acq: 03 Nov 2020 11:37

Tgt Ion: 43 Resp: 122862

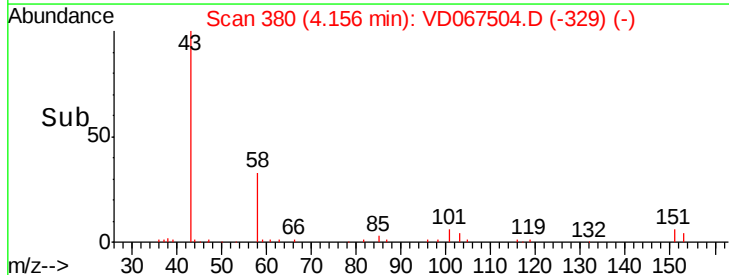
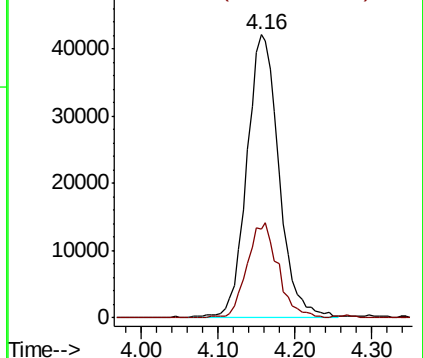
Ion Ratio Lower Upper

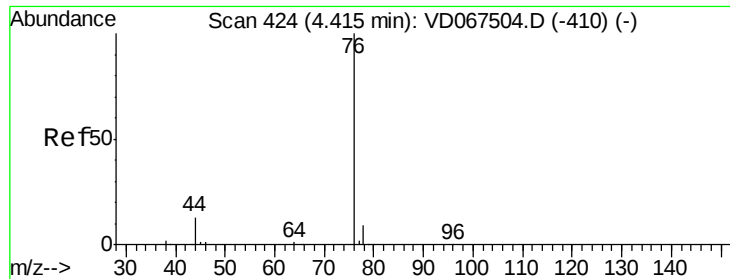
43 100

58 31.5 25.2 37.8



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

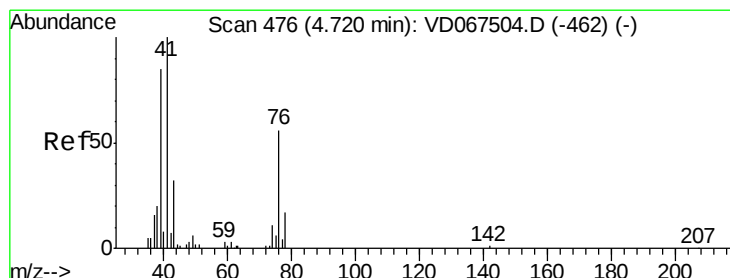
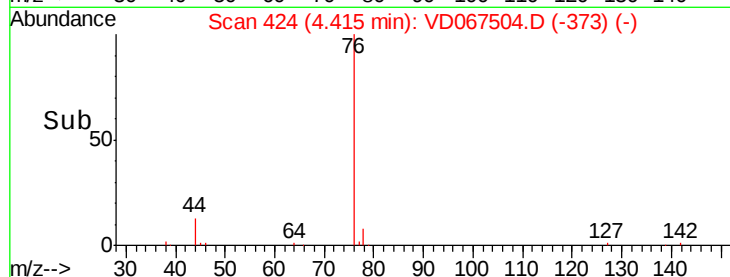
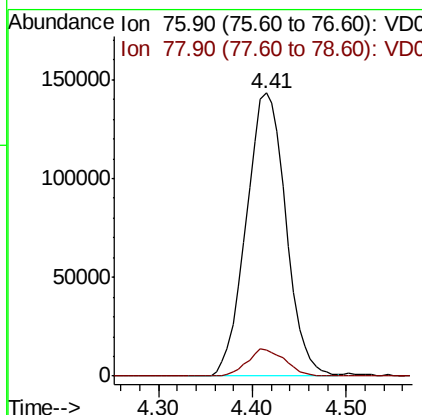
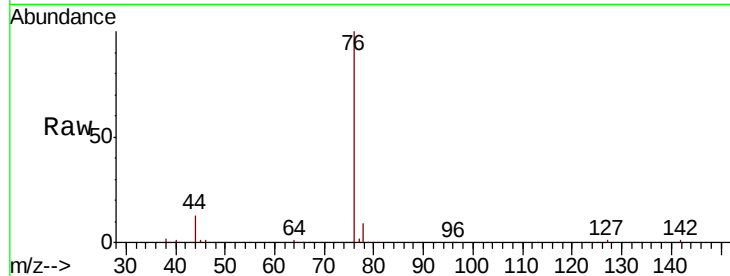




#17
Carbon Disulfide
Concen: 48.055 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

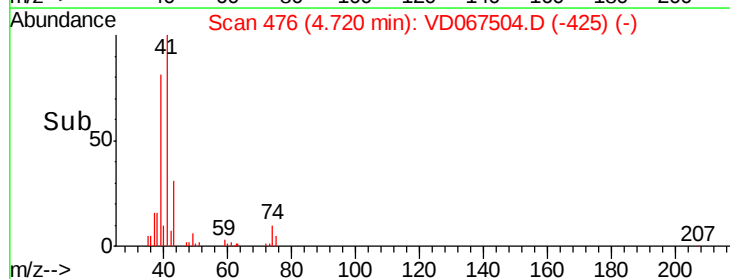
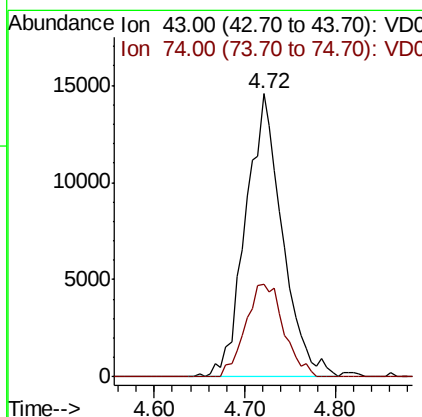
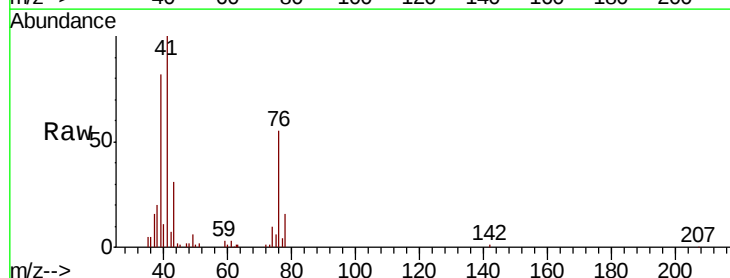
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

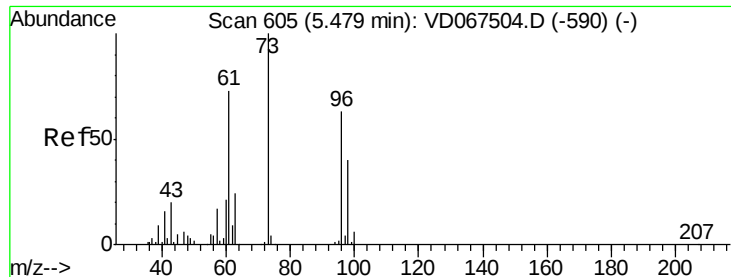
Tot Ion: 76 Resp: 418589
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 44.403 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Tgt Ion: 43 Resp: 40891
Ion Ratio Lower Upper
43 100
74 34.0 27.2 40.8

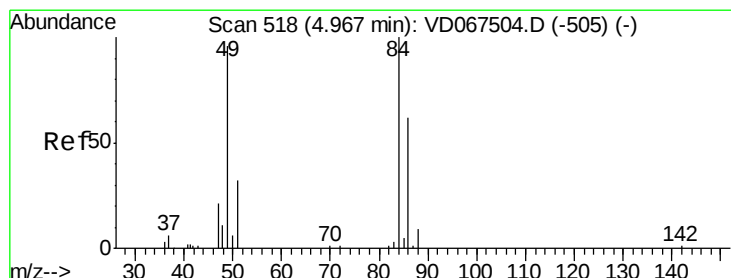
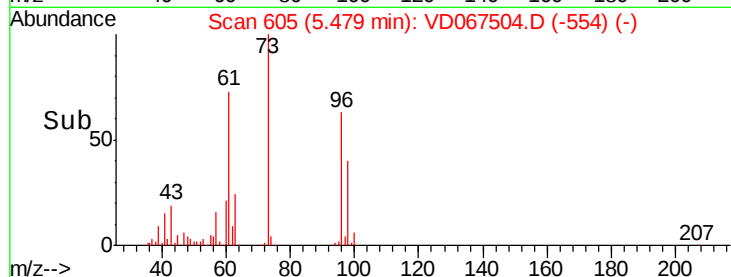
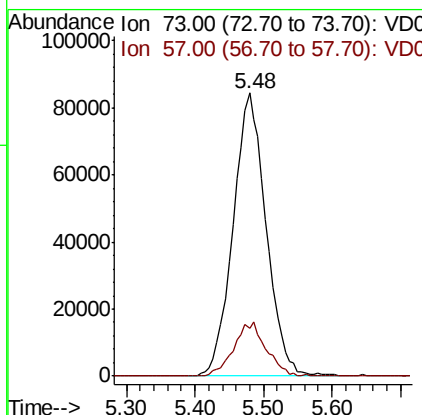
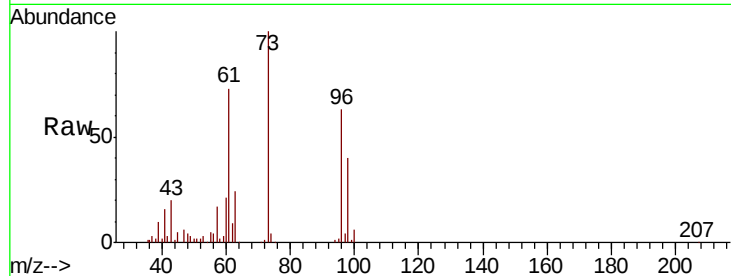




#19
Methyl tert-butyl Ether
Concen: 50.186 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

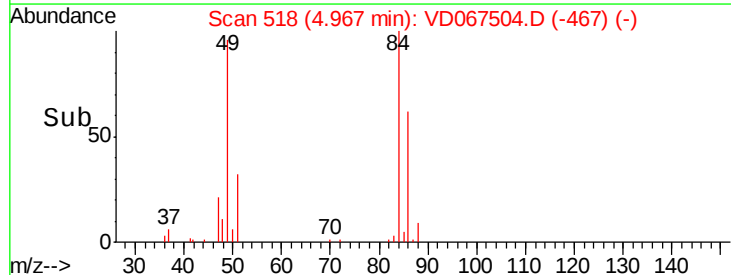
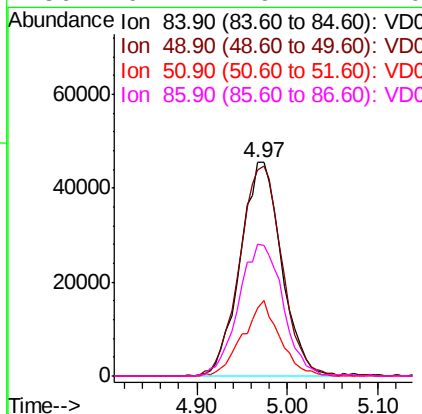
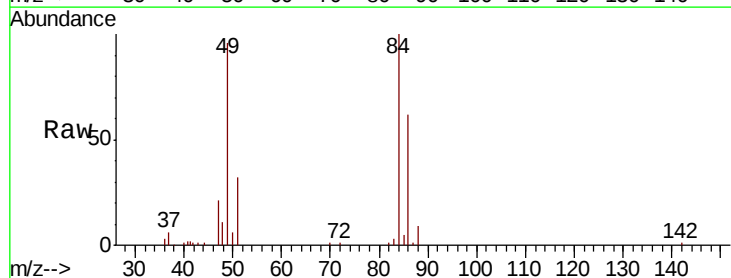
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

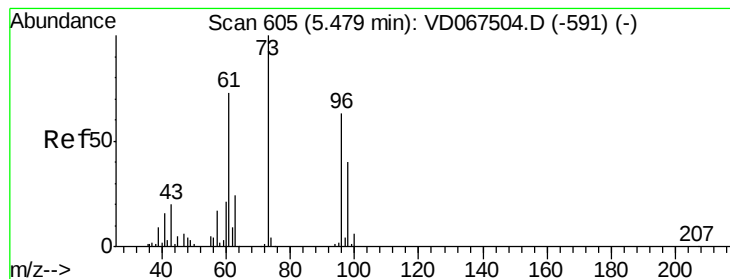
Tot Ion: 73 Resp: 281400
Ion Ratio Lower Upper
73 100
57 16.7 13.4 20.0



#20
Methylene Chloride
Concen: 45.868 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Tgt Ion: 84 Resp: 144389
Ion Ratio Lower Upper
84 100
49 96.2 77.0 115.4
51 31.8 25.4 38.2
86 61.7 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 48.227 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

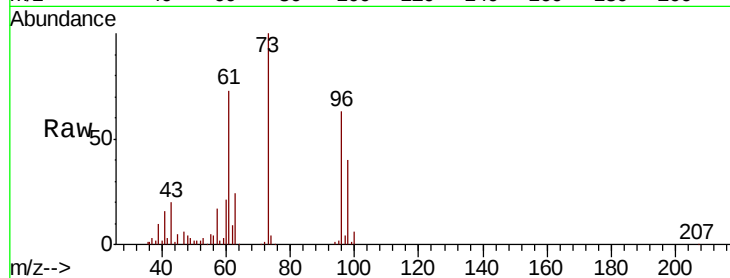
Tot Ion: 96 Resp: 159675

Ion Ratio Lower Upper

96 100

61 116.3 93.0 139.6

98 63.6 50.9 76.3

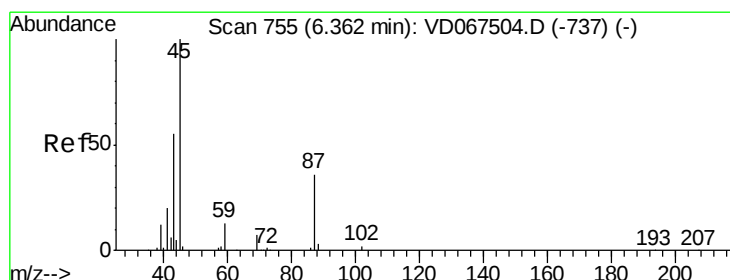
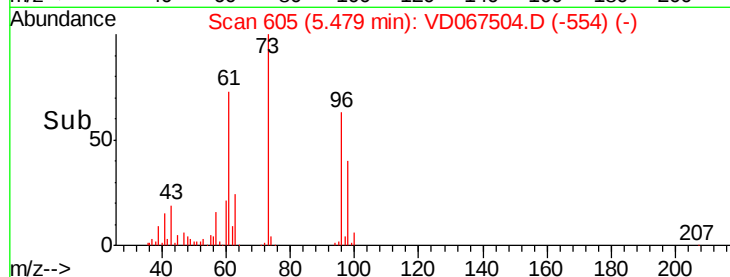
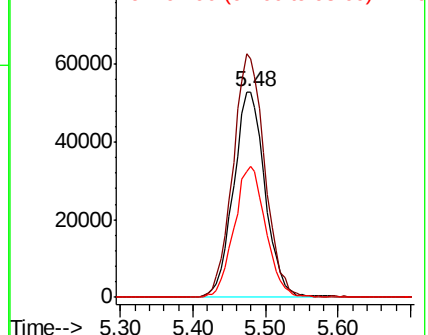


Abundance

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: 49.791 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Tgt Ion: 45 Resp: 295194

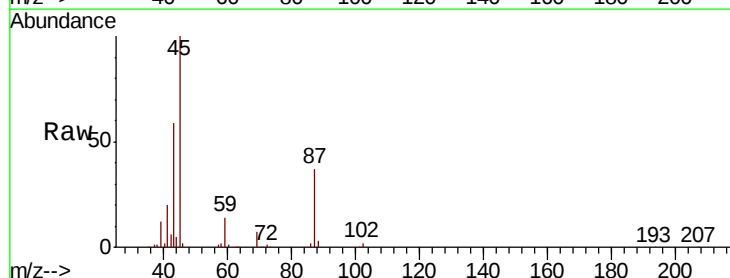
Ion Ratio Lower Upper

45 100

43 57.8 46.2 69.4

87 36.8 29.4 44.2

59 13.5 10.8 16.2



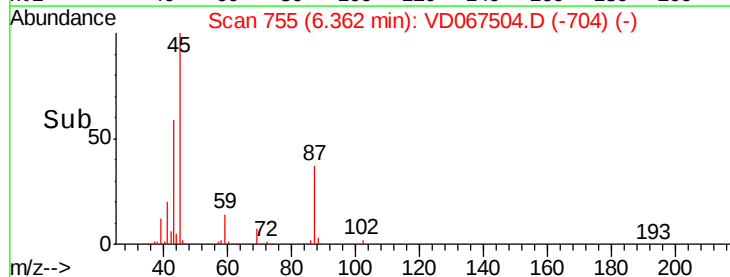
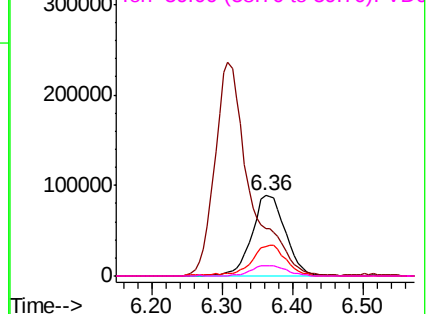
Abundance

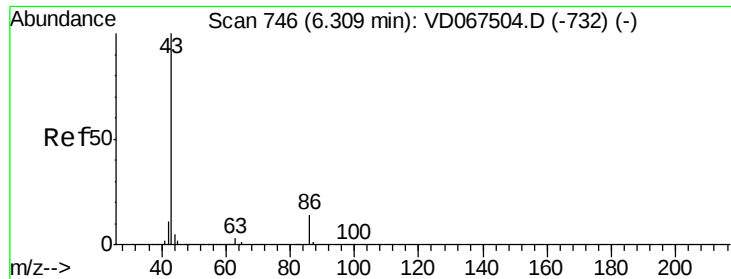
Ion 45.00 (44.70 to 45.70): VDC

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: 261.072 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

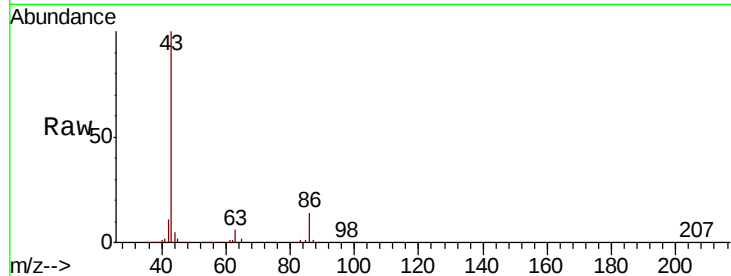
VSTDICCC050

Tot Ion: 43 Resp: 811752

Ion Ratio Lower Upper

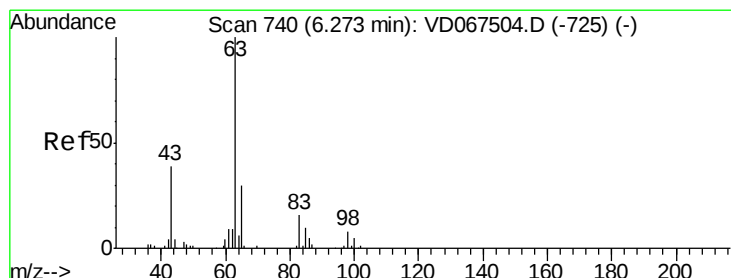
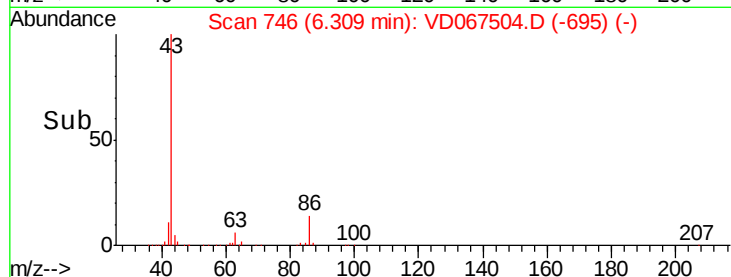
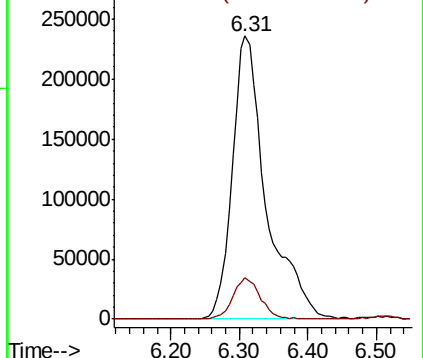
43 100

86 14.5 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 47.655 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

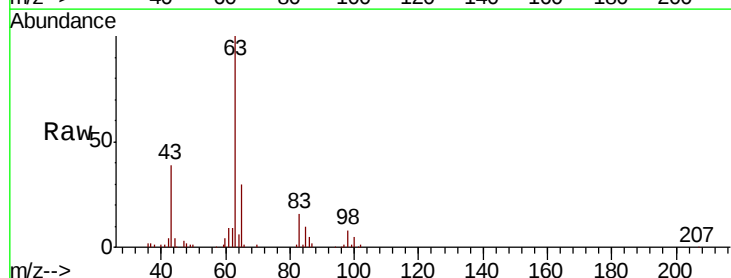
Tgt Ion: 63 Resp: 231139

Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.5

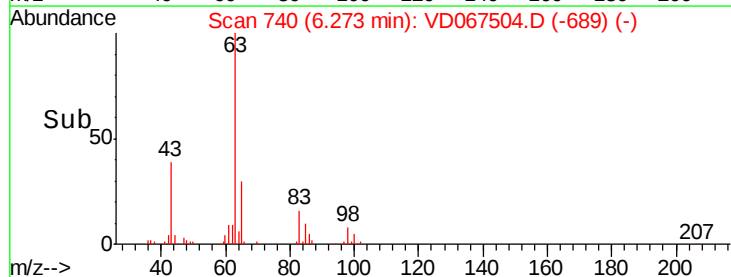
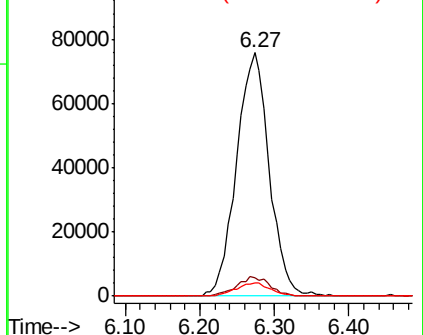
100 5.2 2.6 7.8

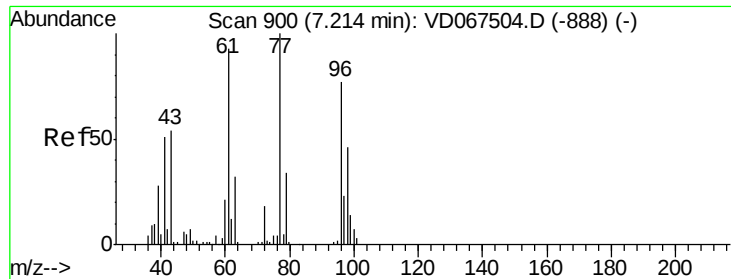


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

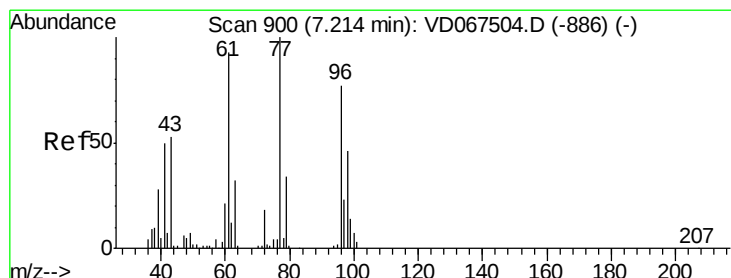
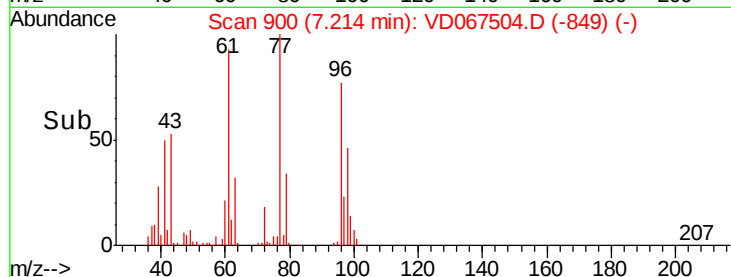
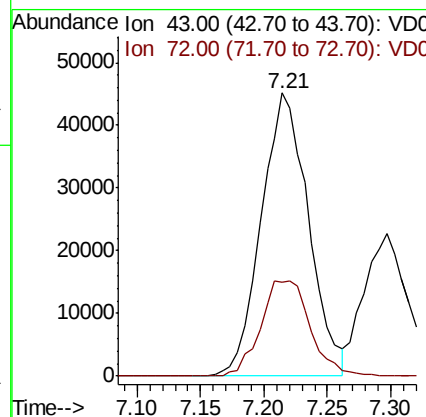
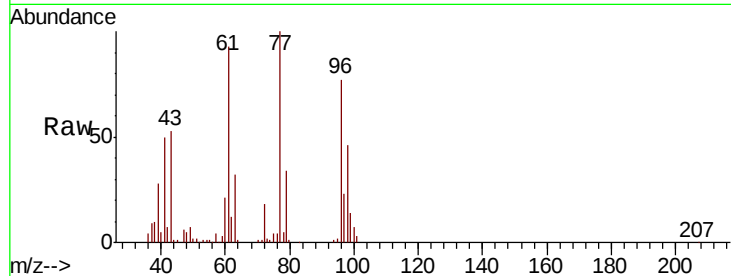




#25
2-Butanone
Concen: 246.296 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

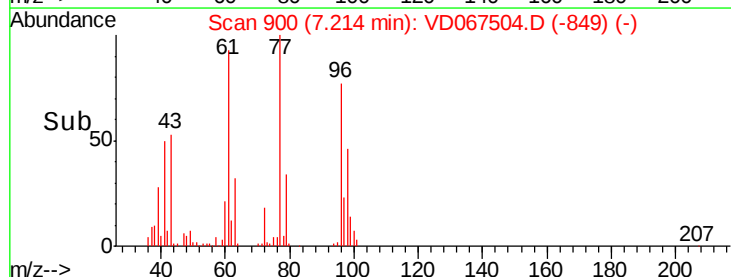
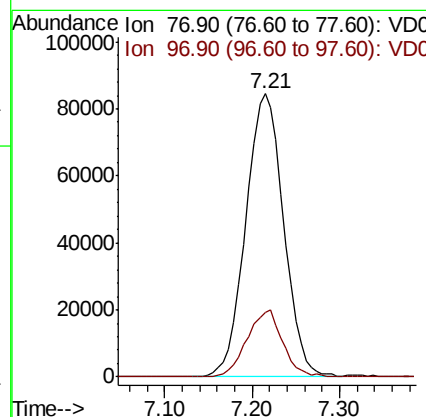
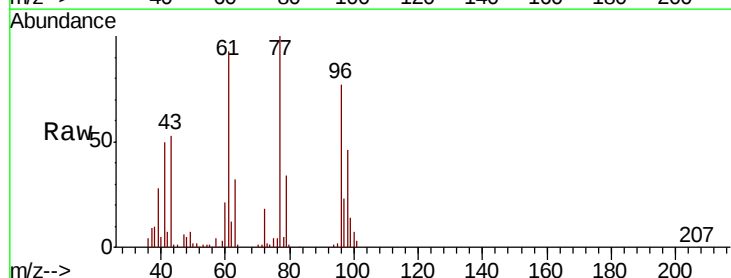
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

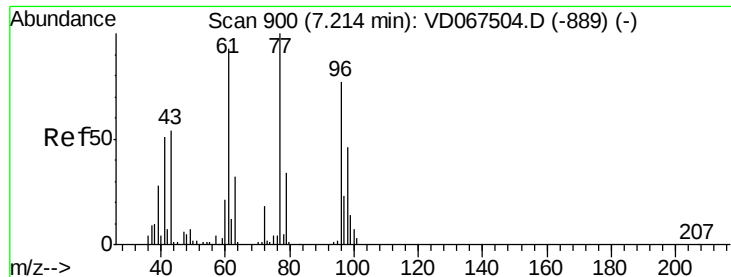
Tot Ion: 43 Resp: 117281
Ion Ratio Lower Upper
43 100
72 33.0 26.4 39.6



#26
2,2-Dichloropropane
Concen: 48.589 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Tgt Ion: 77 Resp: 248724
Ion Ratio Lower Upper
77 100
97 22.2 11.1 33.3



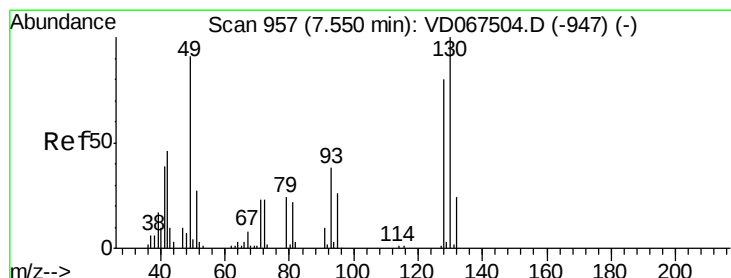
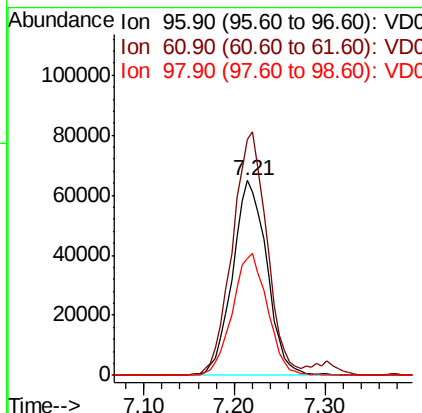
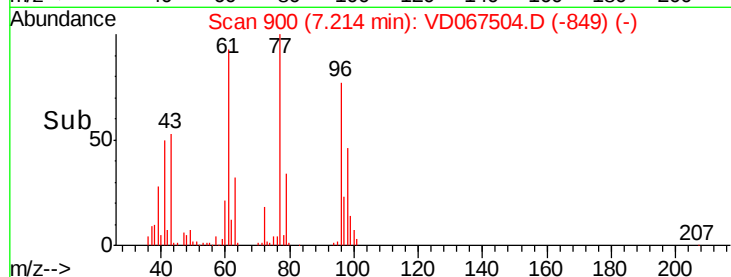
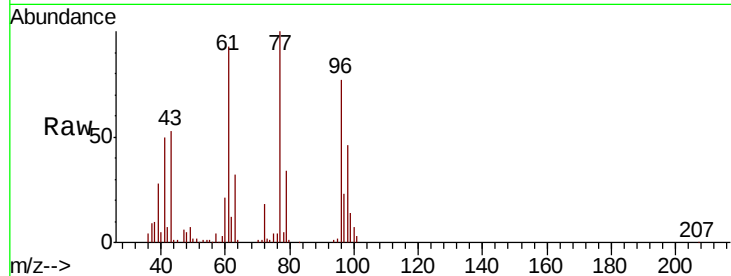


#27

cis-1,2-Dichloroethene
Concen: 49.638 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

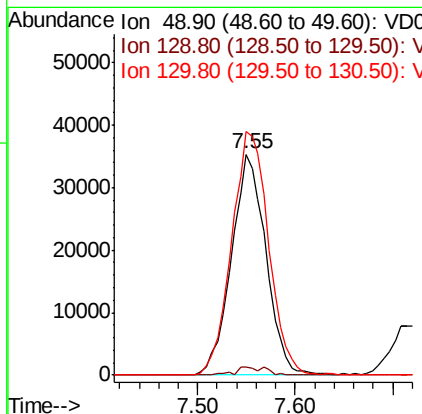
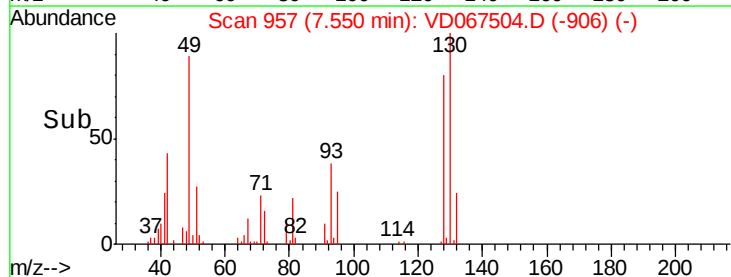
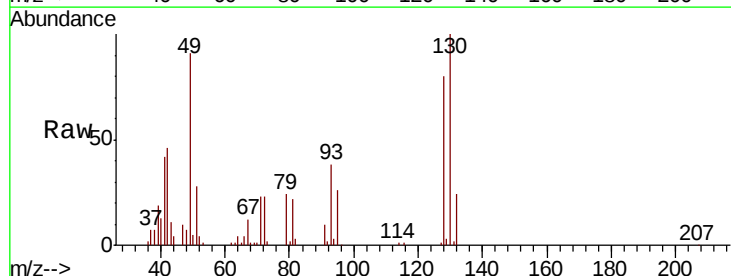
Tot Ion: 96 Resp: 170587
Ion Ratio Lower Upper
96 100
61 125.8 0.0 251.6
98 64.0 0.0 128.0

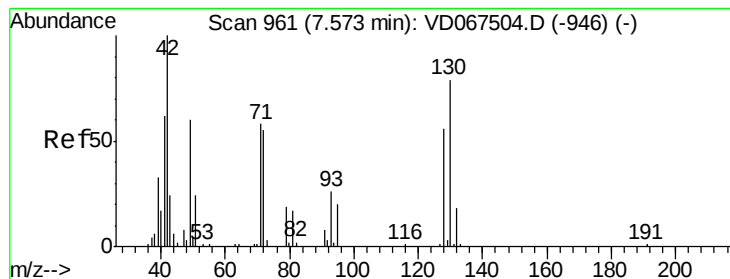


#28

Bromochloromethane
Concen: 50.139 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Tgt Ion: 49 Resp: 86502
Ion Ratio Lower Upper
49 100
129 3.2 0.0 6.4
130 118.3 94.6 142.0





#29

Tetrahydrofuran

Concen: 253.175 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

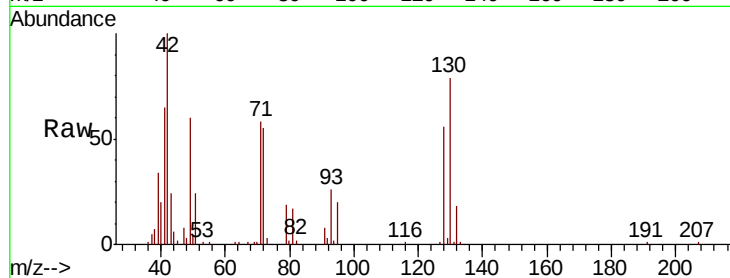
Tot Ion: 42 Resp: 72214

Ion Ratio Lower Upper

42 100

72 57.9 46.3 69.5

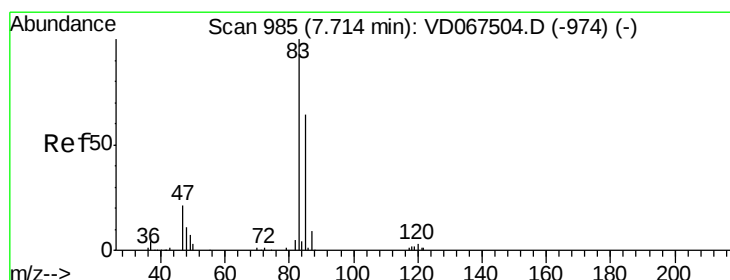
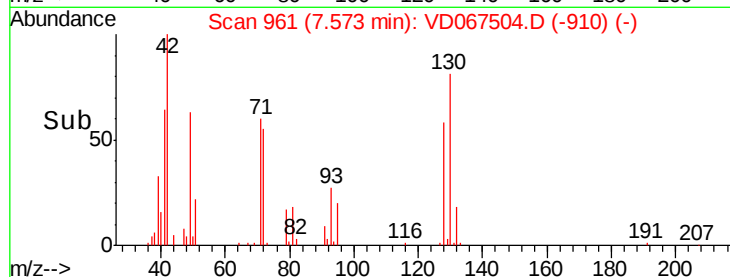
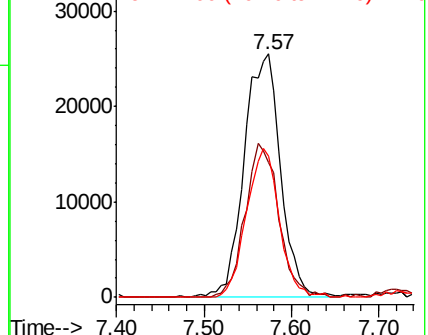
71 55.0 44.0 66.0



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 48.596 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD067504.D

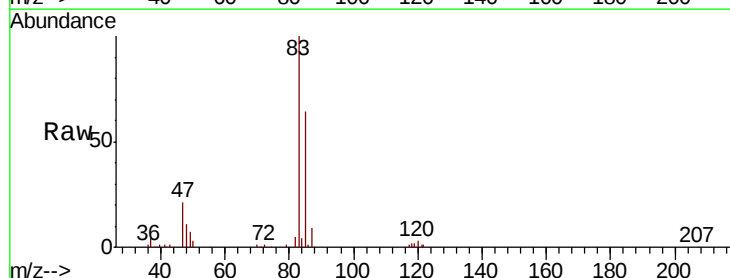
Acq: 03 Nov 2020 11:37

Tgt Ion: 83 Resp: 281189

Ion Ratio Lower Upper

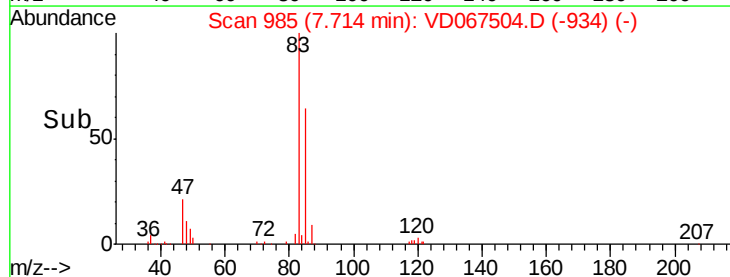
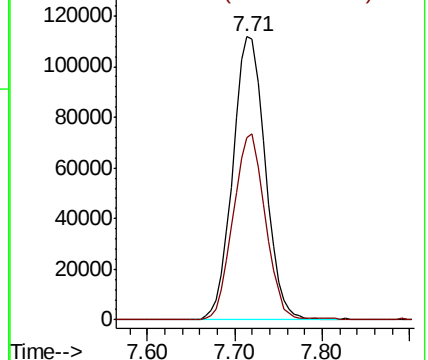
83 100

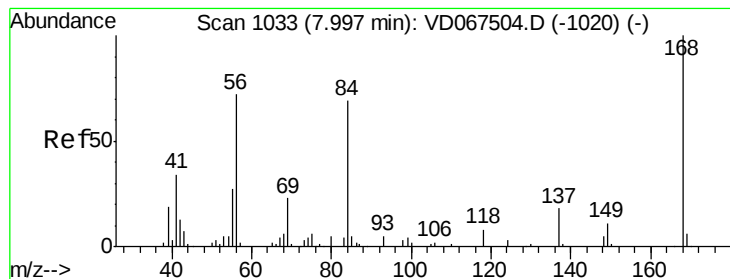
85 64.4 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 46.978 ug/l

RT: 8.00 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

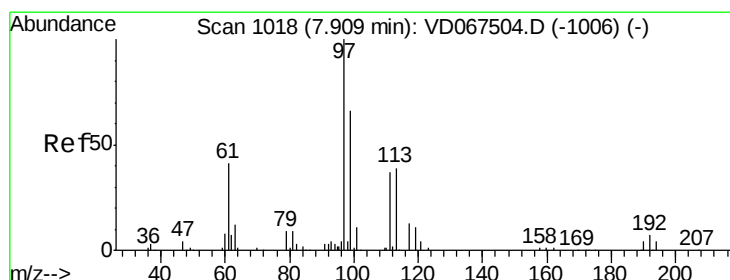
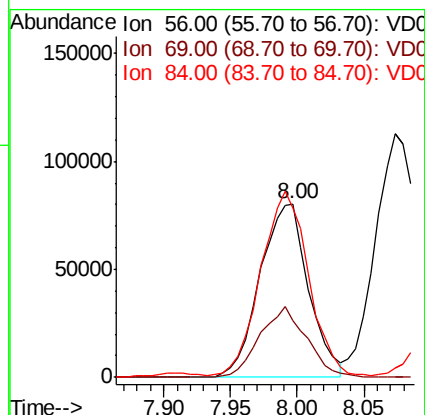
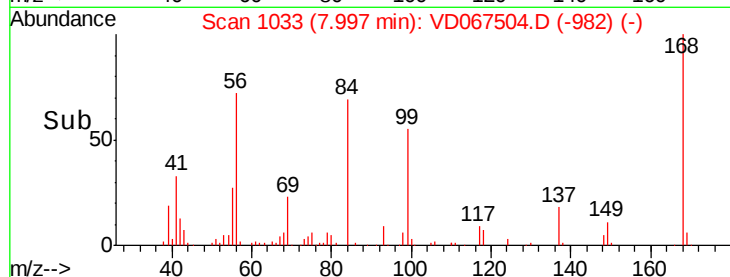
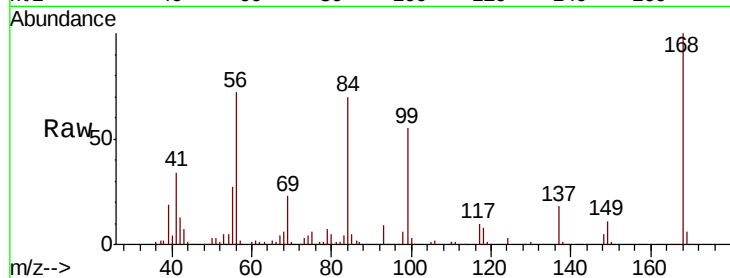
Tot Ion: 56 Resp: 202907

Ion Ratio Lower Upper

56 100

69 32.4 25.9 38.9

84 95.3 76.2 114.4



#32

1,1,1-Trichloroethane

Concen: 47.600 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

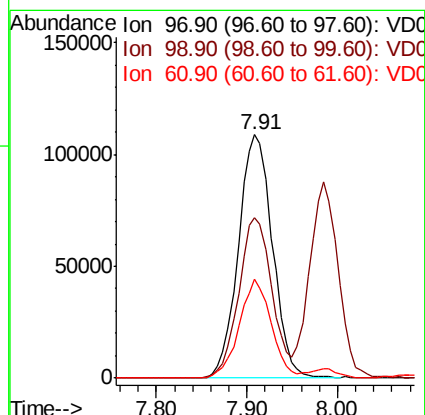
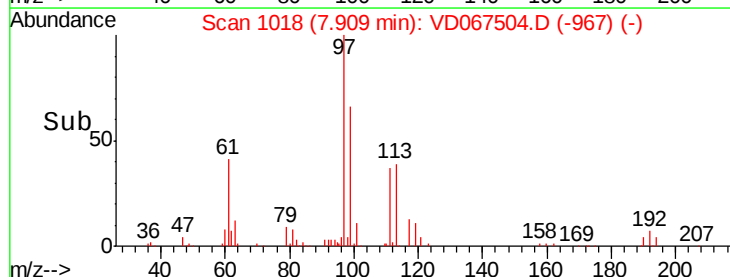
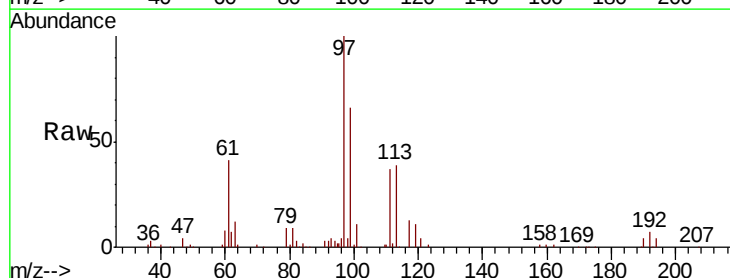
Tgt Ion: 97 Resp: 284183

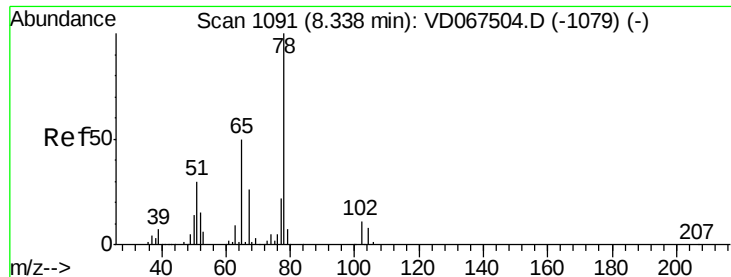
Ion Ratio Lower Upper

97 100

99 64.7 51.8 77.6

61 38.1 30.5 45.7

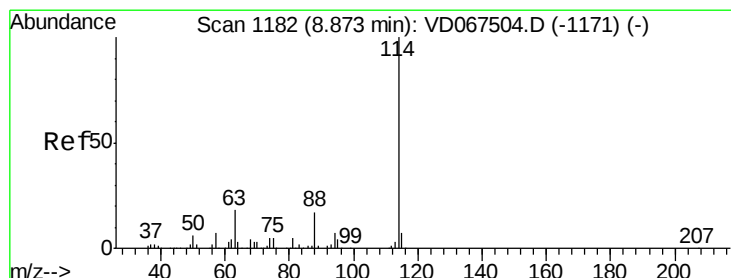
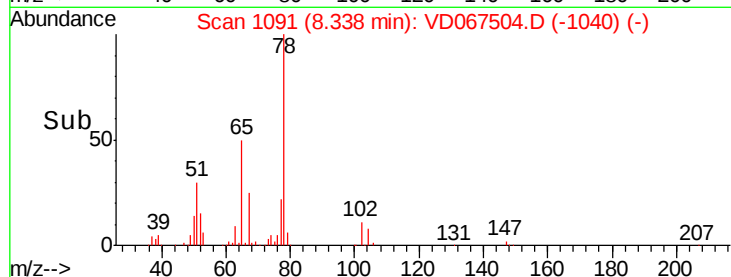
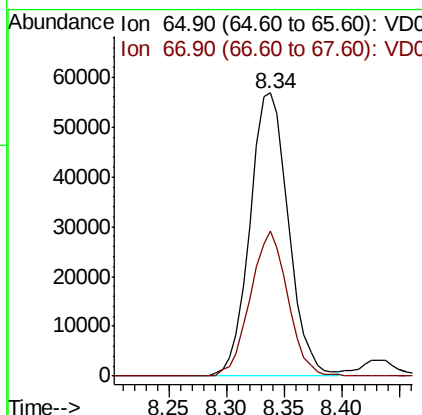
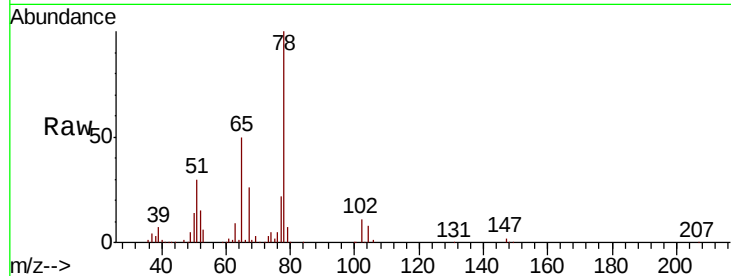




#33
 1,2-Dichloroethane-d4
 Concen: 44.403 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

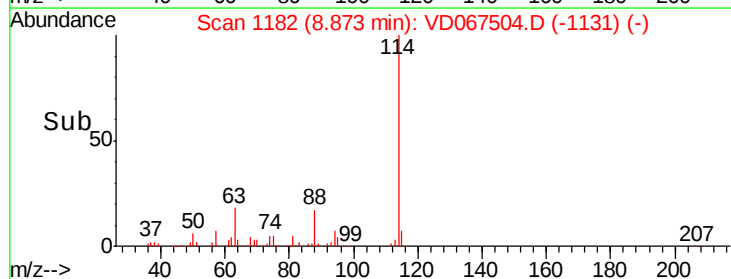
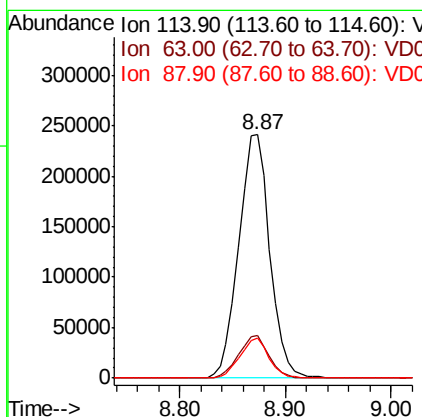
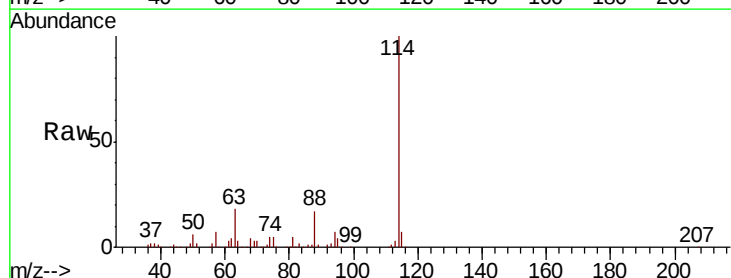
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

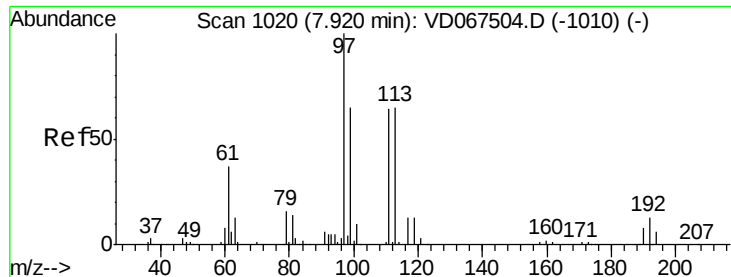
Tot Ion: 65 Resp: 132231
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

Tgt Ion: 114 Resp: 491462
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 35.0
 88 16.5 0.0 33.0

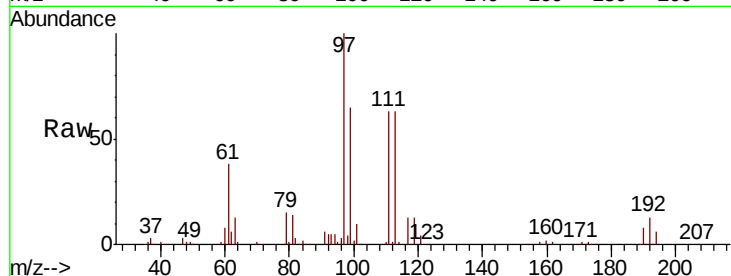




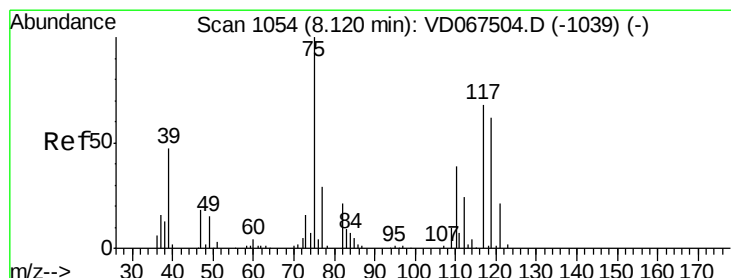
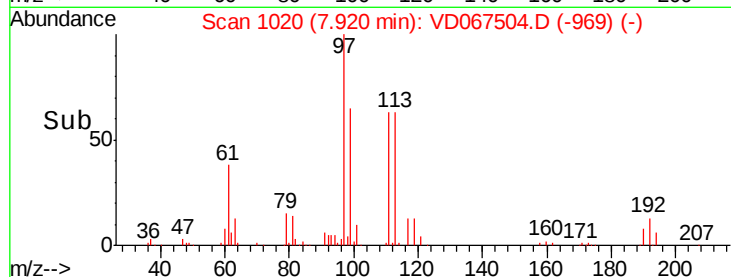
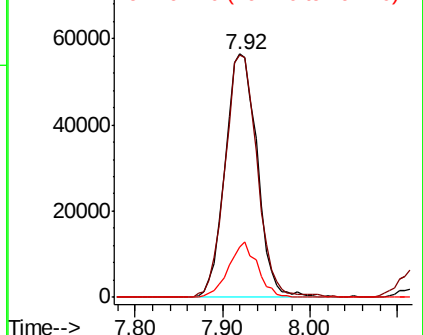
#35
 Dibromofluoromethane
 Concen: 47.579 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:113 Resp: 140884
 Ion Ratio Lower Upper
 113 100
 111 100.0 80.0 120.0
 192 20.4 16.3 24.5

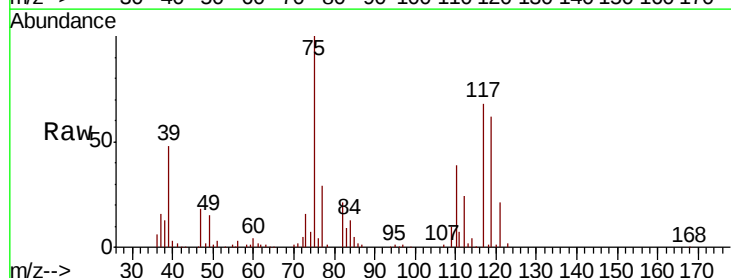


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

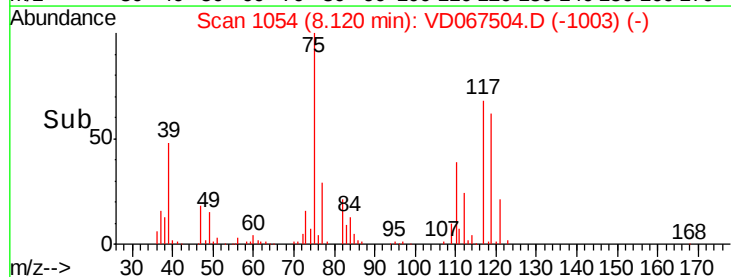
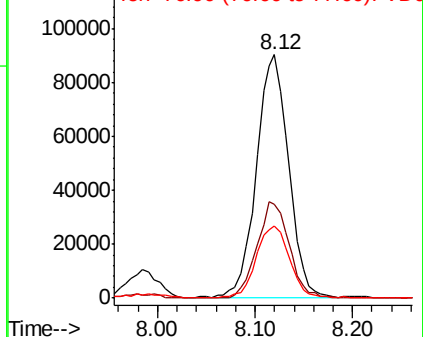


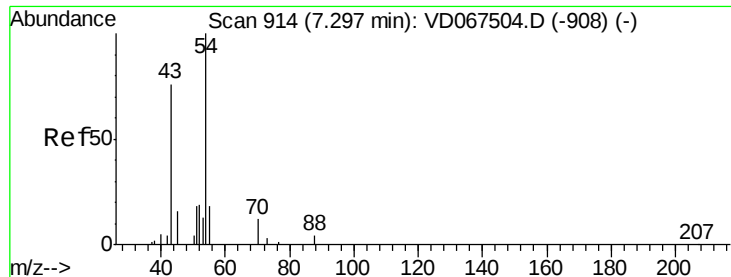
#36
 1,1-Dichloropropene
 Concen: 49.575 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

Tgt Ion: 75 Resp: 208555
 Ion Ratio Lower Upper
 75 100
 110 39.8 19.9 59.7
 77 31.0 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC

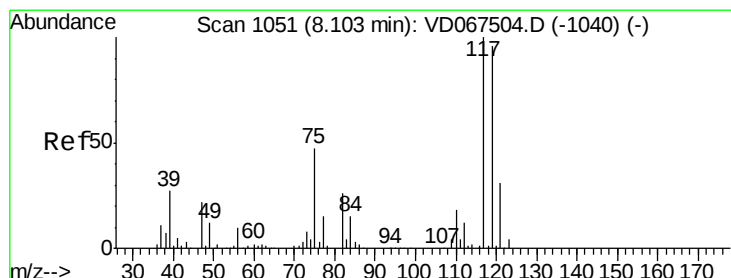
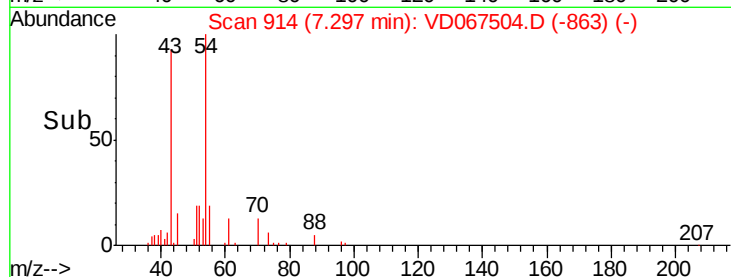
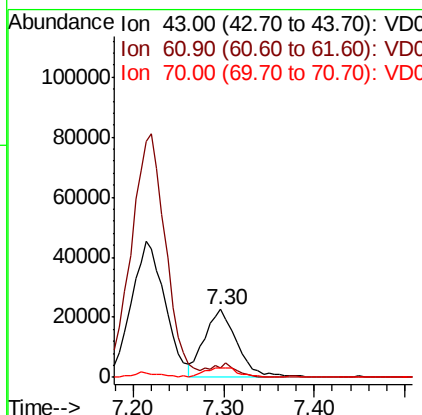
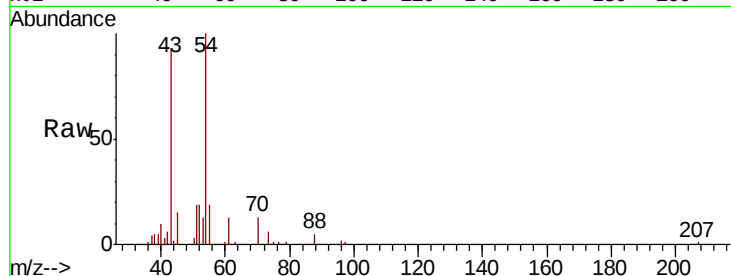




#37
Ethyl Acetate
Concen: 52.556 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

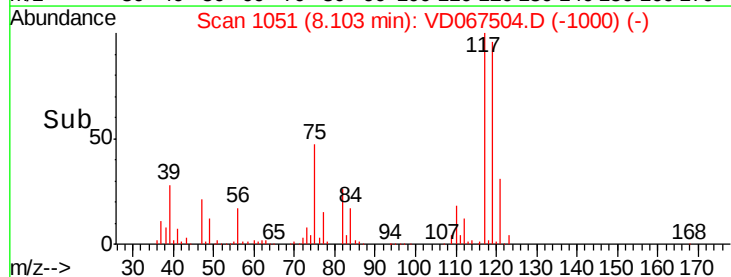
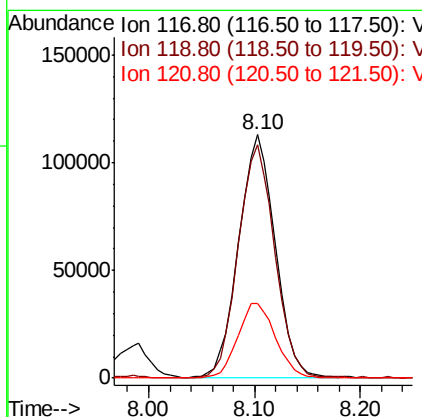
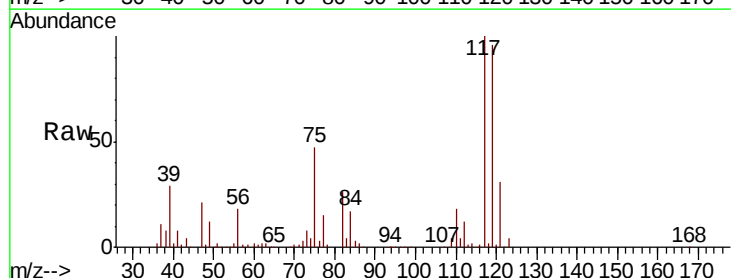
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

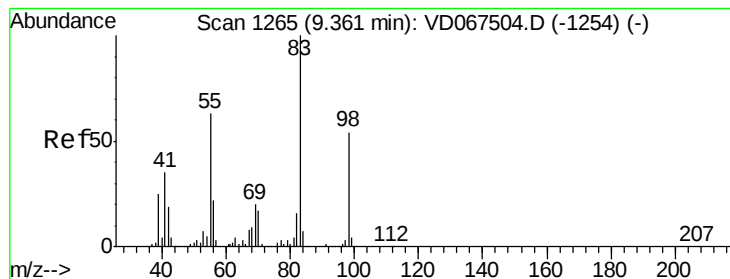
Tot Ion: 43 Resp: 57399
Ion Ratio Lower Upper
43 100
61 16.0 12.8 19.2
70 14.6 11.7 17.5



#38
Carbon Tetrachloride
Concen: 49.454 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Tgt Ion: 117 Resp: 270307
Ion Ratio Lower Upper
117 100
119 96.1 76.9 115.3
121 30.6 24.5 36.7





#39

Methvlcvclohexane

Concen: 53.042 ug/l

RT: 9.36 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

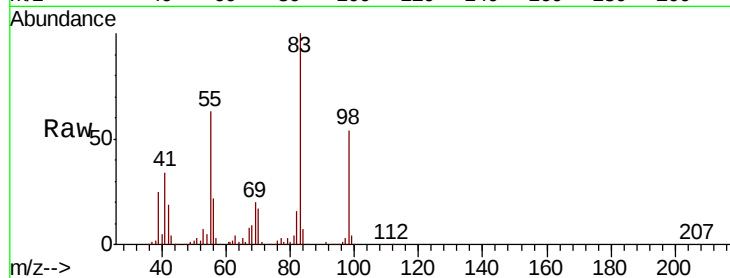
Tot Ion: 83 Resp: 262628

Ion Ratio Lower Upper

83 100

55 63.1 50.5 75.7

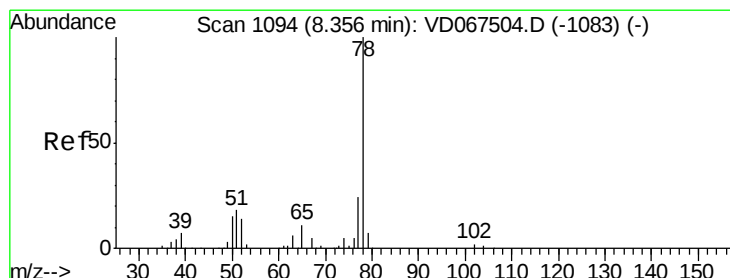
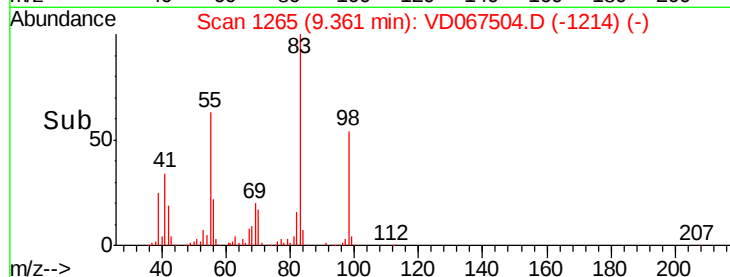
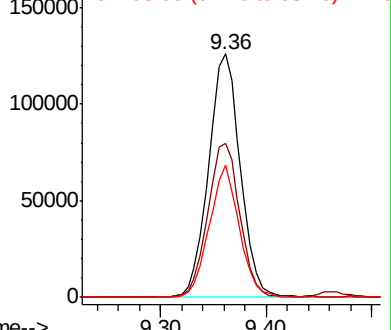
98 54.2 43.4 65.0



Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC



#40

Benzene

Concen: 50.072 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VD067504.D

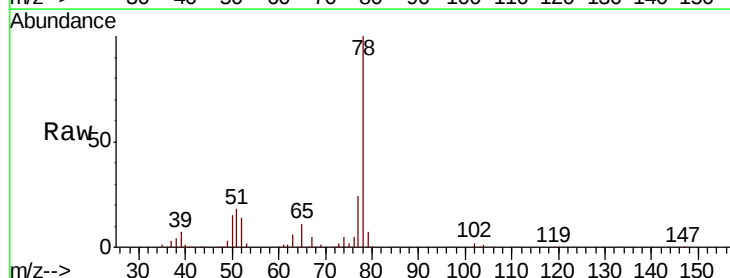
Acq: 03 Nov 2020 11:37

Tgt Ion: 78 Resp: 570583

Ion Ratio Lower Upper

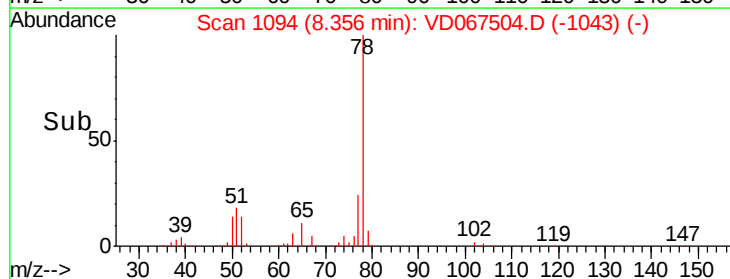
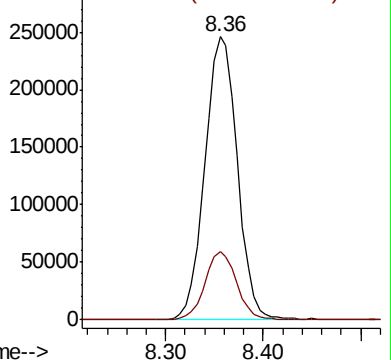
78 100

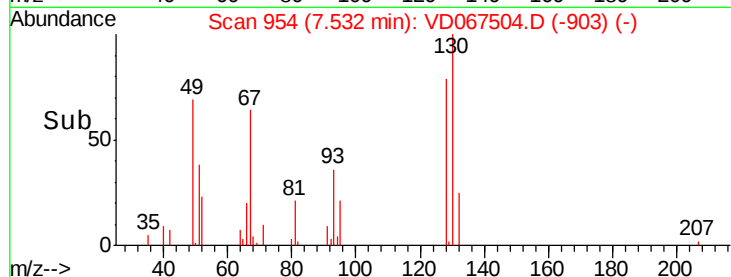
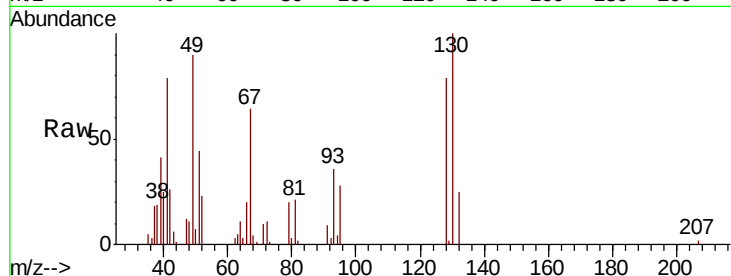
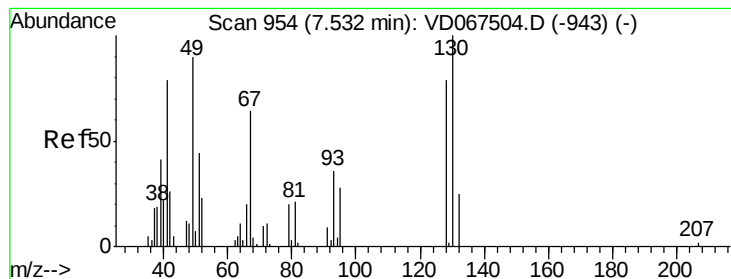
77 23.9 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 54.341 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 29853

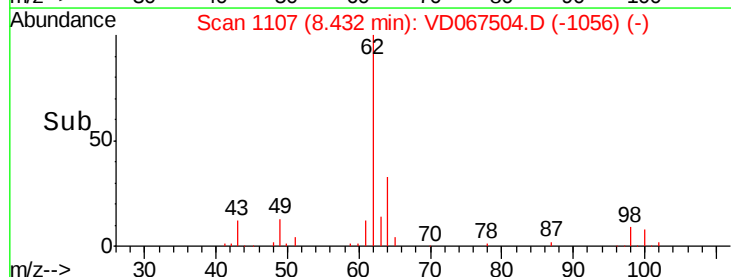
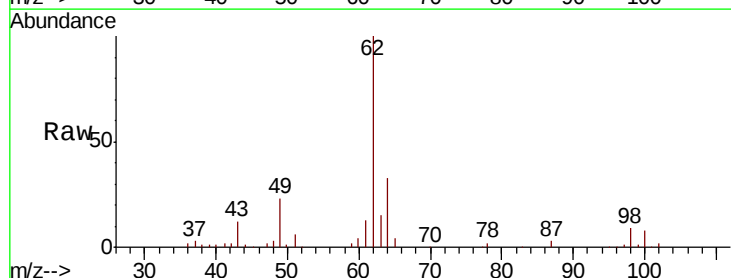
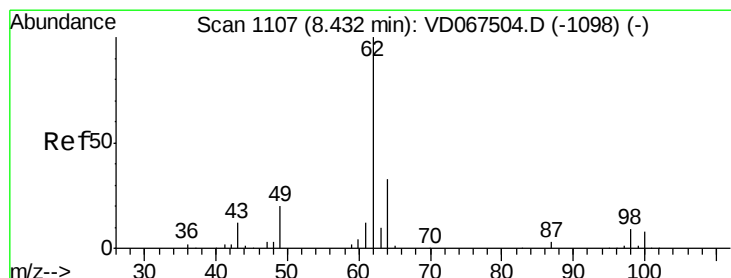
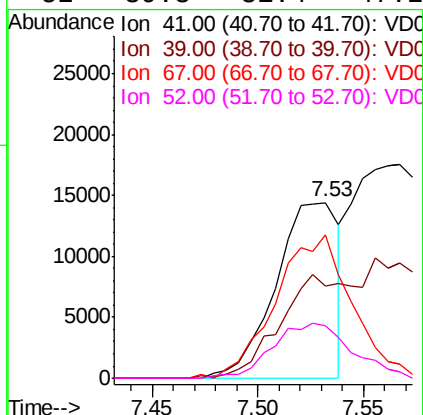
Ion Ratio Lower Upper

41 100

39 64.1 51.3 76.9

67 98.6 78.9 118.3

52 39.3 31.4 47.2



#42

1,2-Dichloroethane

Concen: 49.416 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD067504.D

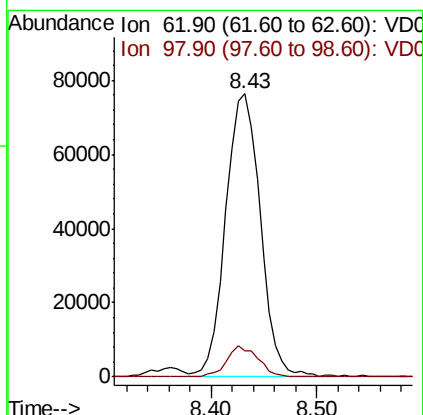
Acq: 03 Nov 2020 11:37

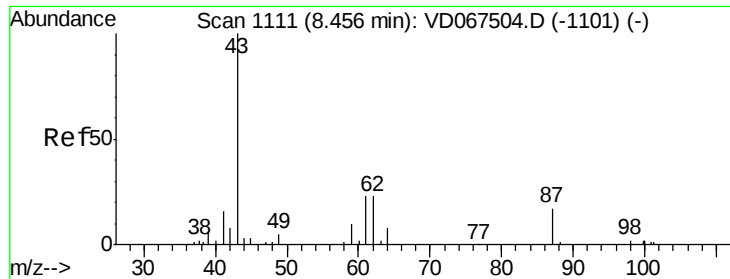
Tgt Ion: 62 Resp: 173983

Ion Ratio Lower Upper

62 100

98 9.9 0.0 19.8





#43

Isopropyl Acetate

Concen: 49.966 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

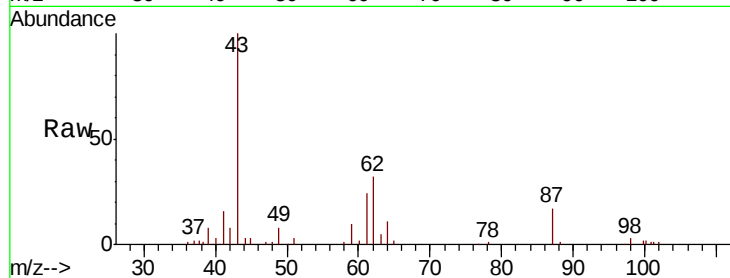
Tot Ion: 43 Resp: 107925

Ion Ratio Lower Upper

43 100

61 38.1 30.5 45.7

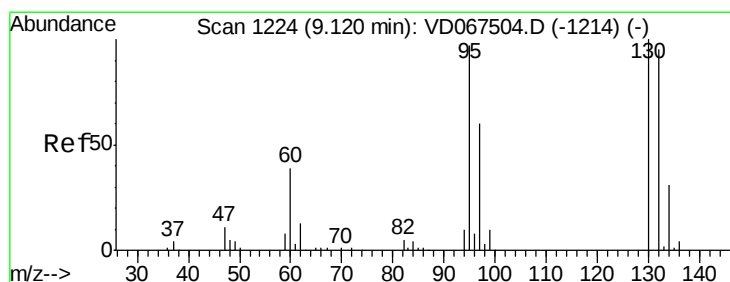
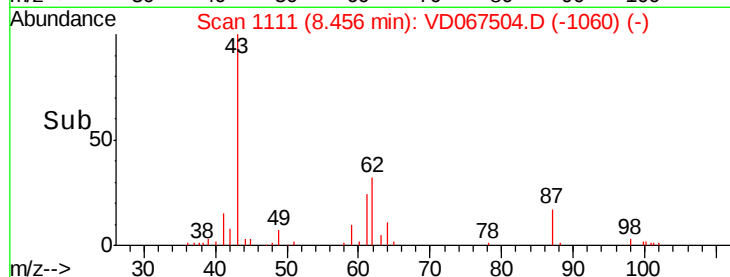
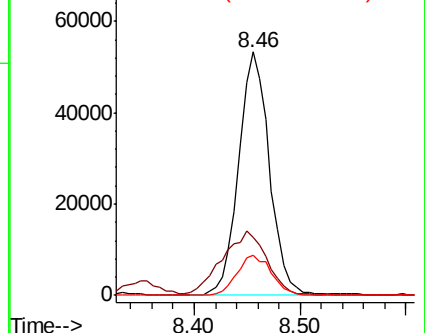
87 18.4 14.7 22.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 48.644 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD067504.D

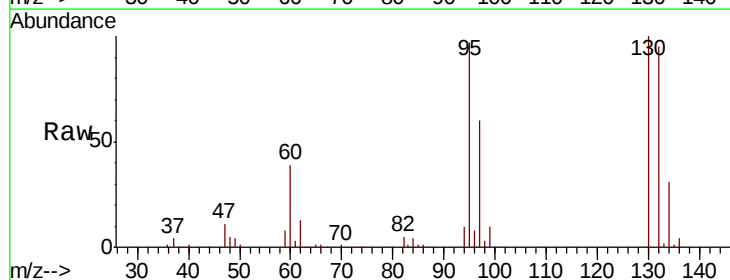
Acq: 03 Nov 2020 11:37

Tgt Ion: 130 Resp: 182263

Ion Ratio Lower Upper

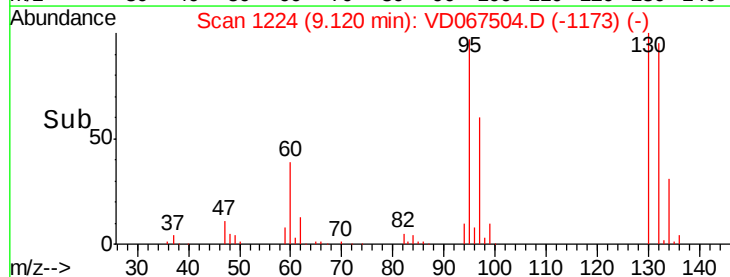
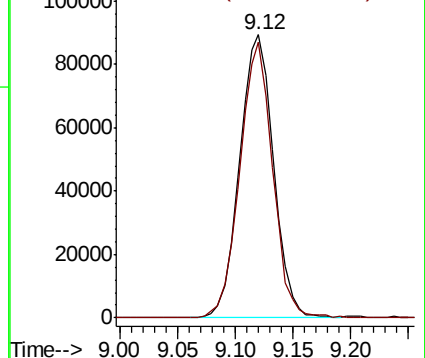
130 100

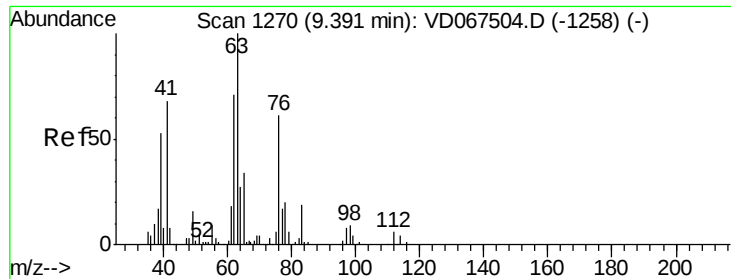
95 97.2 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 49.130 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

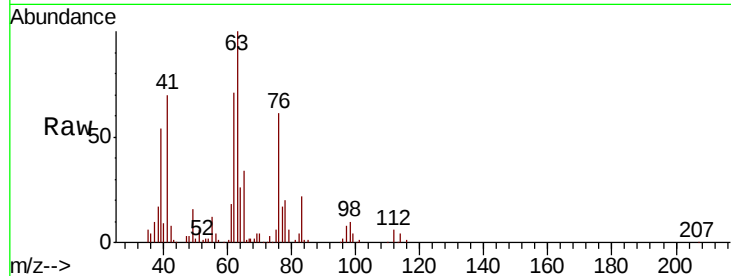
VSTDICCC050

Tot Ion: 63 Resp: 121043

Ion Ratio Lower Upper

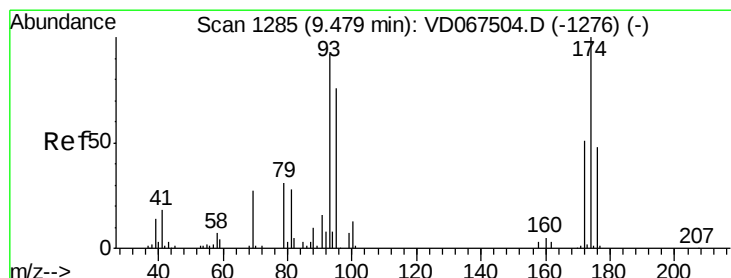
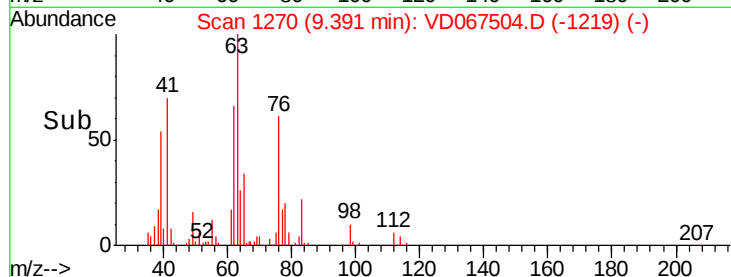
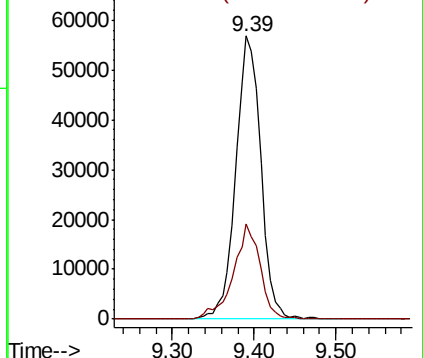
63 100

65 33.6 26.9 40.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 50.209 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

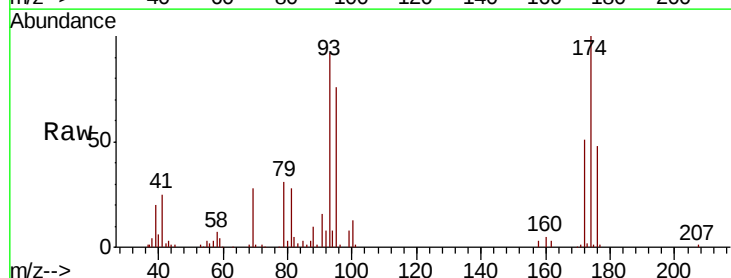
Tgt Ion: 93 Resp: 78653

Ion Ratio Lower Upper

93 100

95 83.0 66.4 99.6

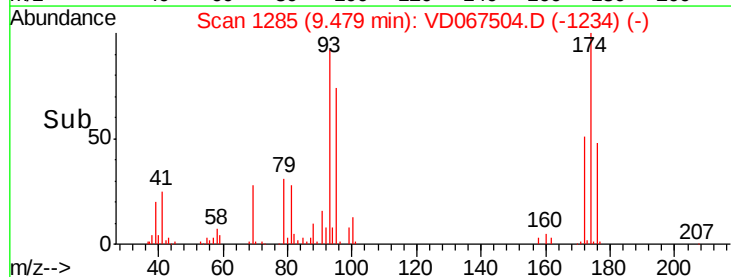
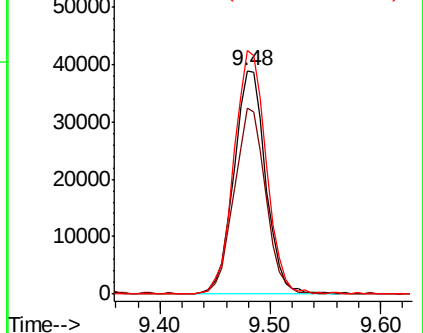
174 110.3 88.2 132.4

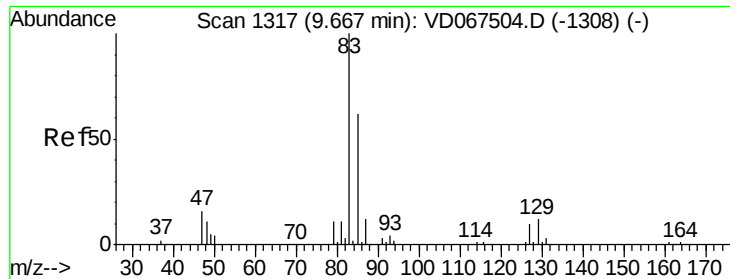


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.326 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

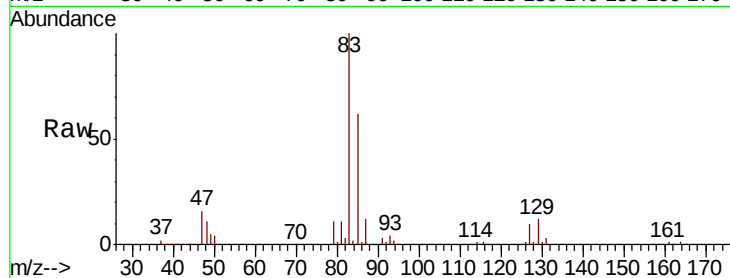
Tot Ion: 83 Resp: 214277

Ion Ratio Lower Upper

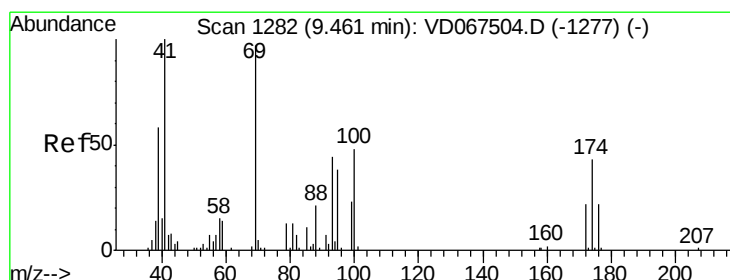
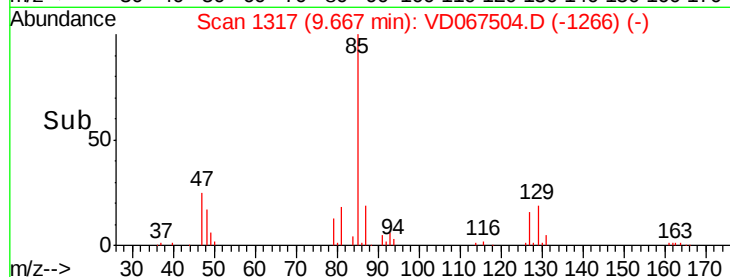
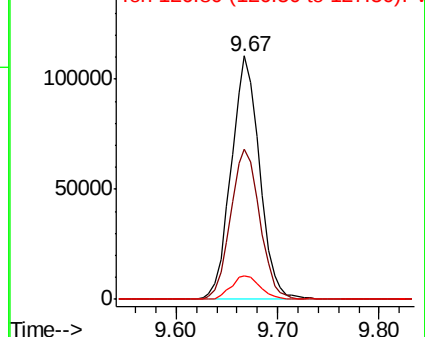
83 100

85 61.8 49.4 74.2

127 9.6 7.7 11.5



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: 52.516 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

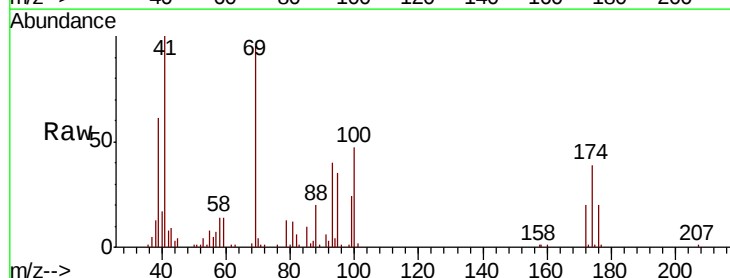
Tgt Ion: 41 Resp: 58568

Ion Ratio Lower Upper

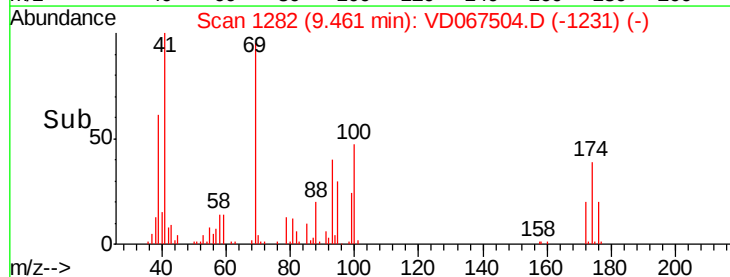
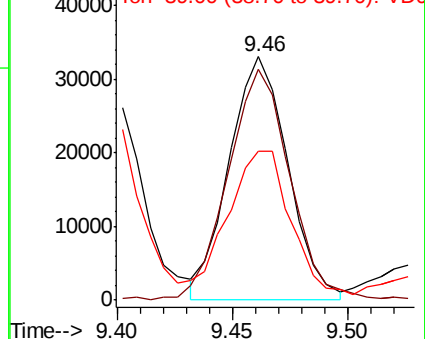
41 100

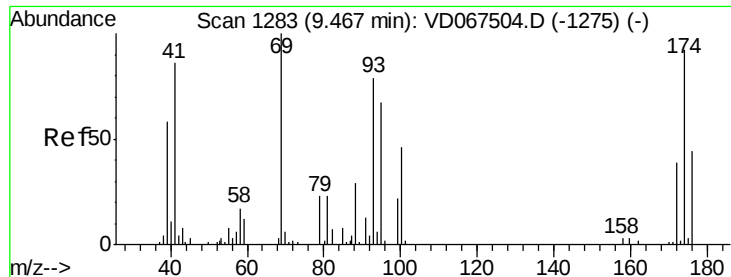
69 100.8 80.6 121.0

39 62.8 50.2 75.4



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

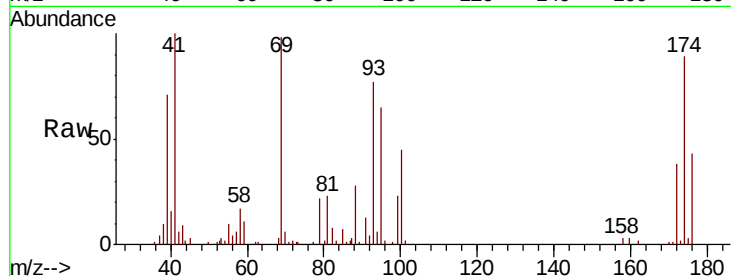




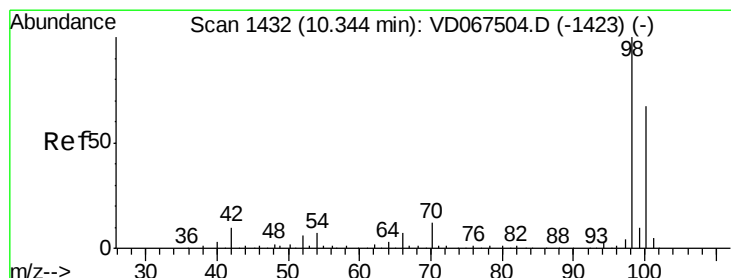
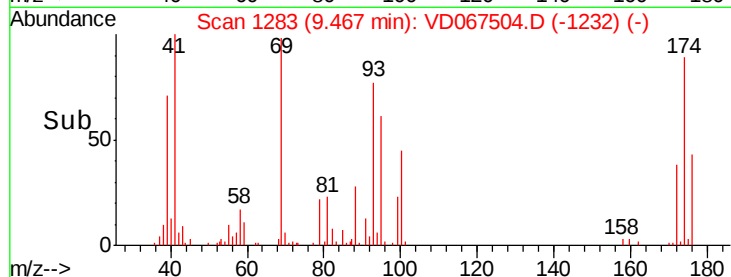
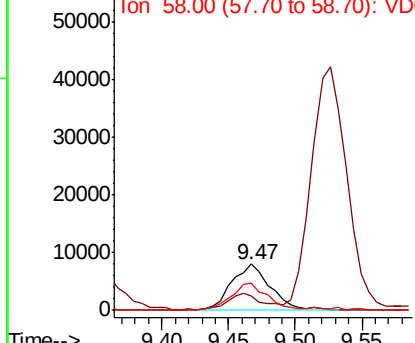
#49
 1,4-Dioxane
 Concen: 1016.045 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 88 Resp: 16158
 Ion Ratio Lower Upper
 88 100
 43 29.5 23.6 35.4
 58 55.9 44.7 67.1

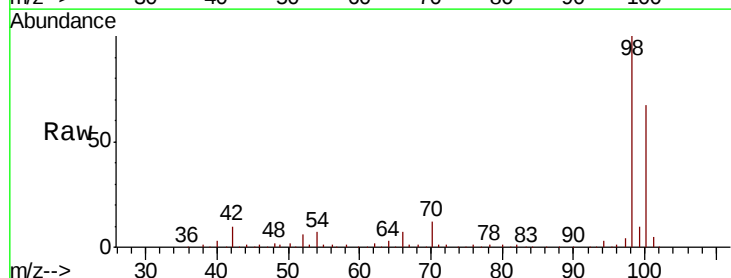


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

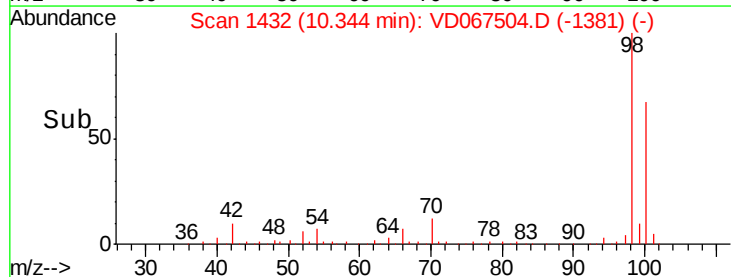
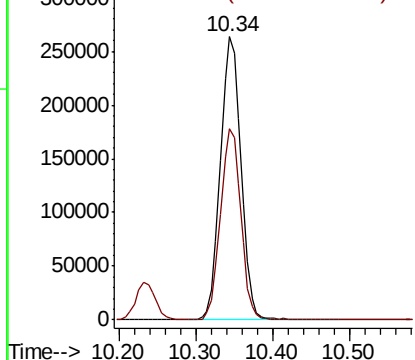


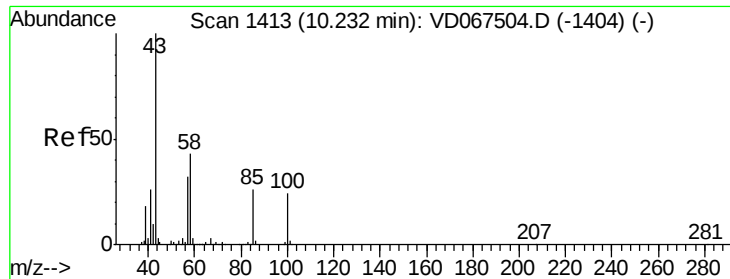
#50
 Toluene-d8
 Concen: 47.044 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

Tgt Ion: 98 Resp: 489533
 Ion Ratio Lower Upper
 98 100
 100 66.3 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VDC
 Ion 100.00 (99.70 to 100.70): VDC

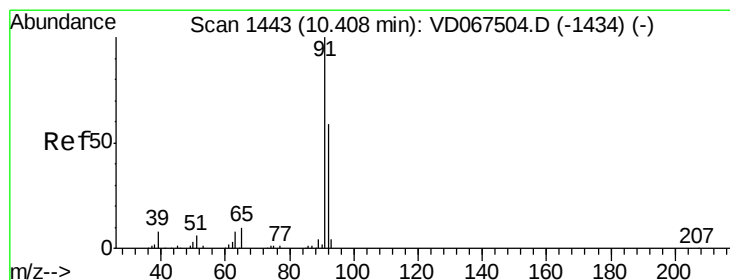
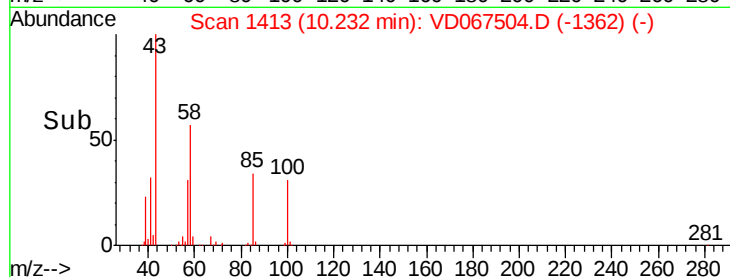
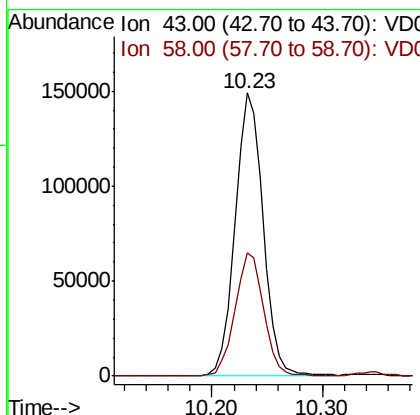
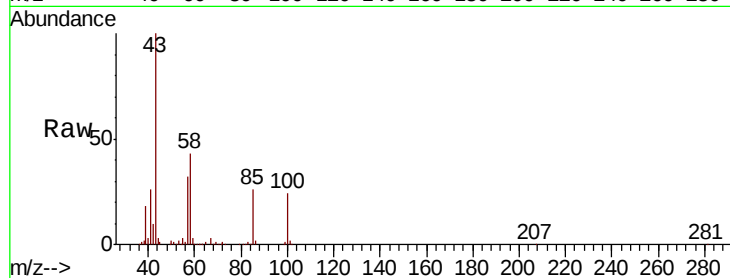




#51
 4-Methyl-2-Pentanone
 Concen: 257.927 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

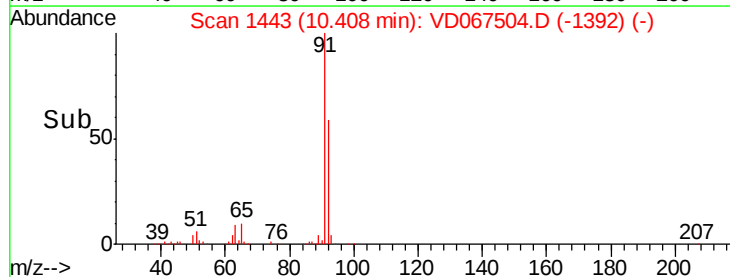
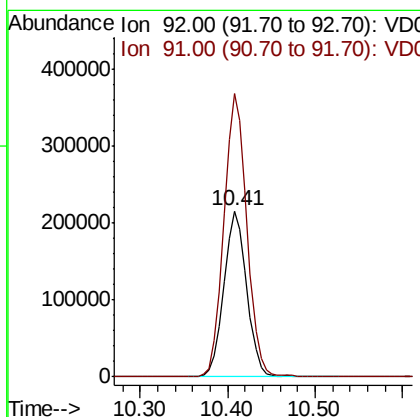
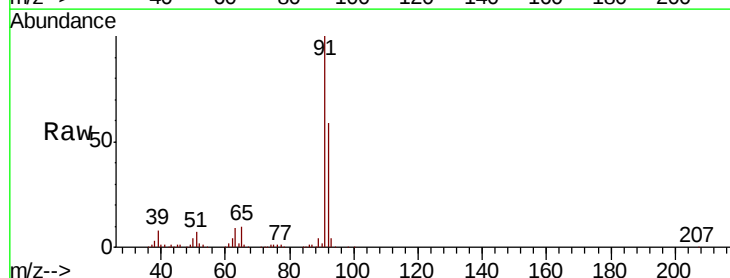
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

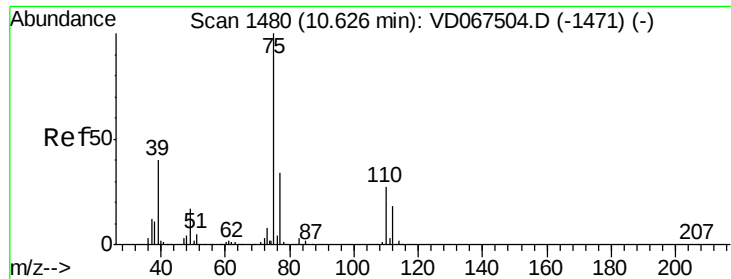
Tot Ion: 43 Resp: 266443
 Ion Ratio Lower Upper
 43 100
 58 44.5 35.6 53.4



#52
 Toluene
 Concen: 50.678 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

Tgt Ion: 92 Resp: 386804
 Ion Ratio Lower Upper
 92 100
 91 171.3 137.0 205.6





#53

t-1,3-Dichloropropene

Concen: 50.603 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

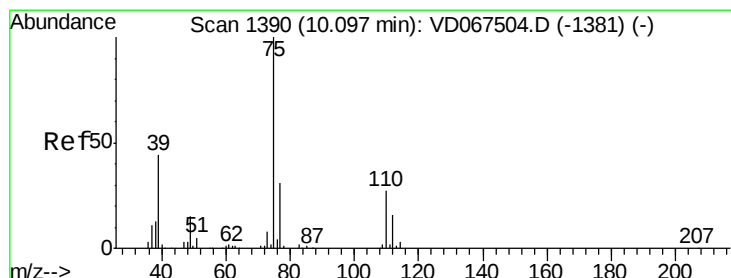
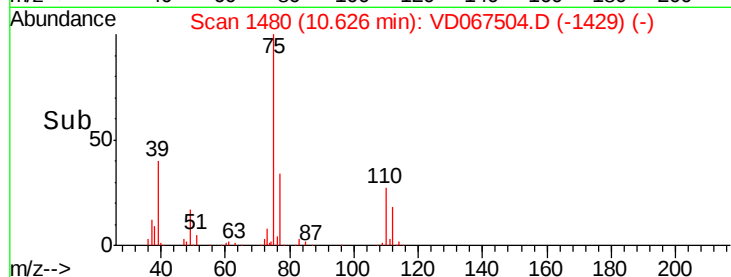
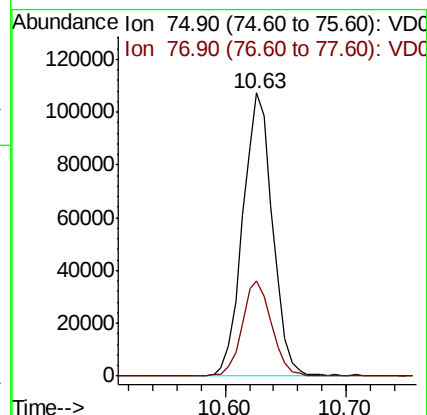
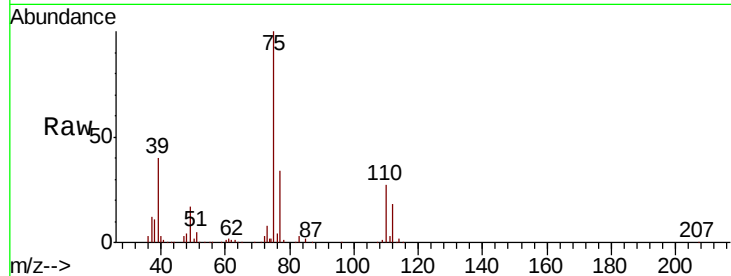
VSTDICCC050

Tot Ion: 75 Resp: 184531

Ion Ratio Lower Upper

75 100

77 33.8 27.0 40.6



#54

cis-1,3-Dichloropropene

Concen: 49.904 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

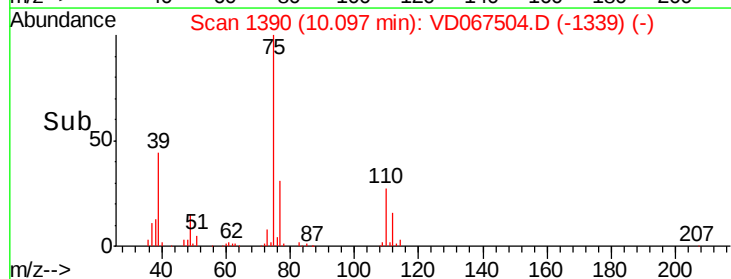
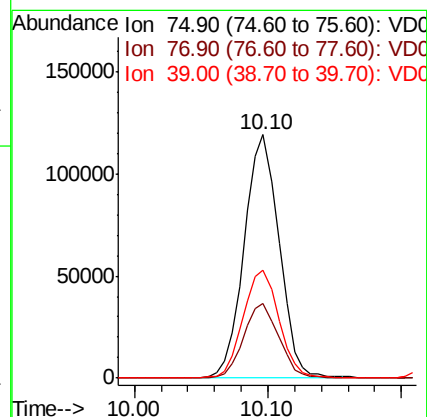
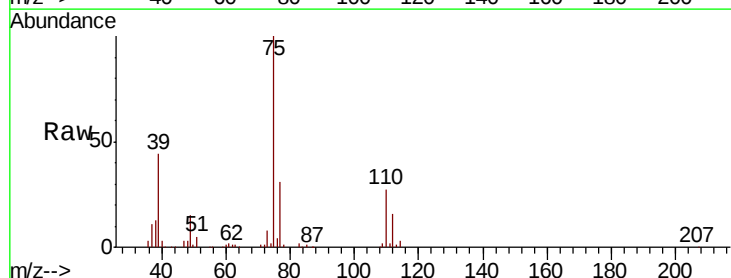
Tgt Ion: 75 Resp: 216215

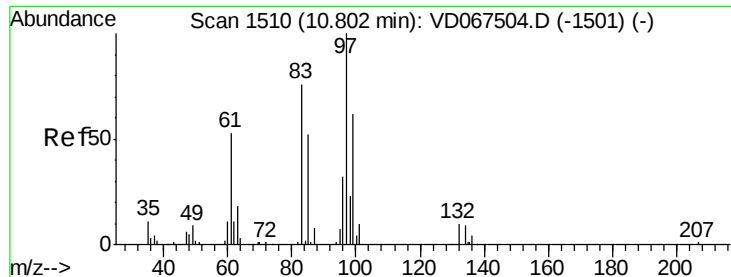
Ion Ratio Lower Upper

75 100

77 30.5 24.4 36.6

39 44.5 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 50.449 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 104566

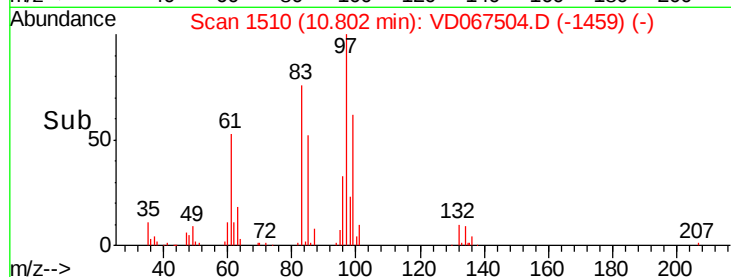
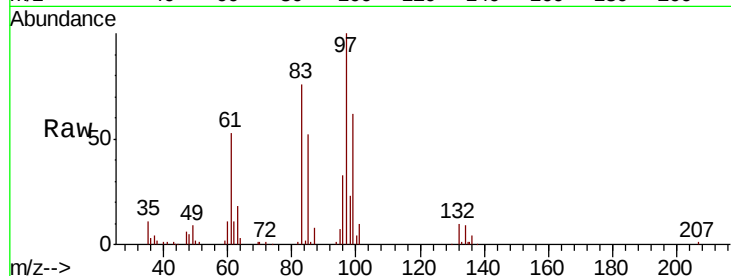
Ion	Ratio	Lower	Upper
97	100		
83	76.3	61.0	91.6
85	51.9	41.5	62.3
99	61.8	49.4	74.2

97 100

83 76.3 61.0 91.6

85 51.9 41.5 62.3

99 61.8 49.4 74.2

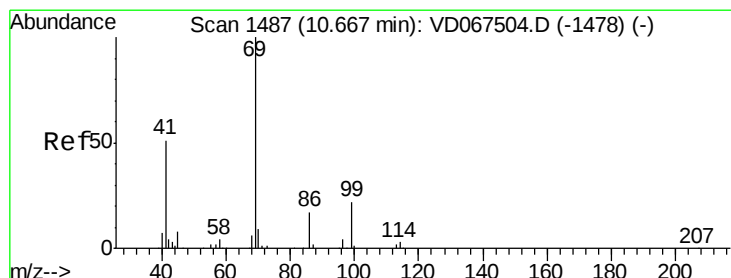
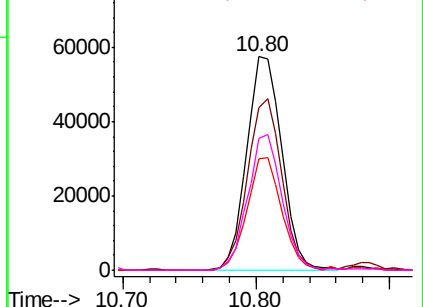


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 51.796 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

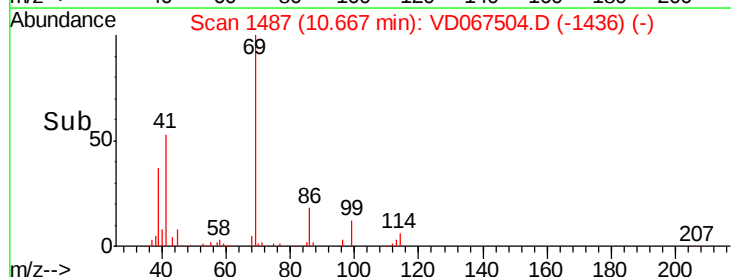
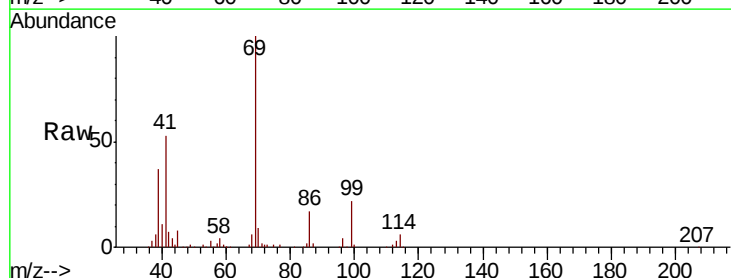
Tgt Ion: 69 Resp: 110864

Ion	Ratio	Lower	Upper
69	100		
41	56.7	45.4	68.0
39	34.2	27.4	41.0

69 100

41 56.7 45.4 68.0

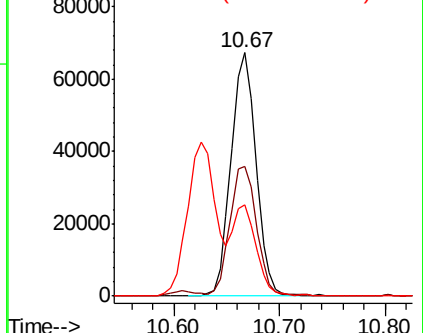
39 34.2 27.4 41.0

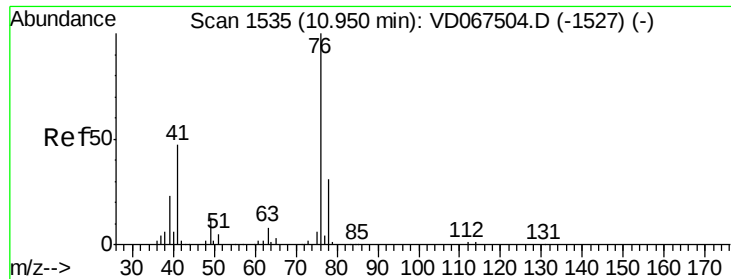


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

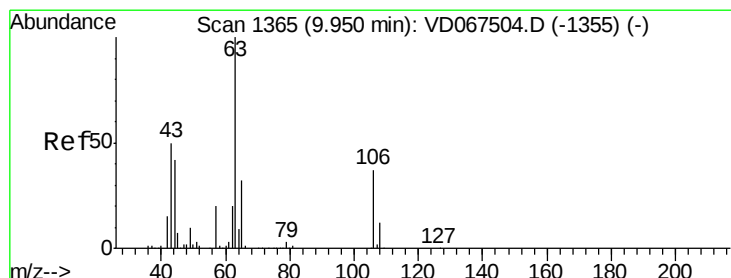
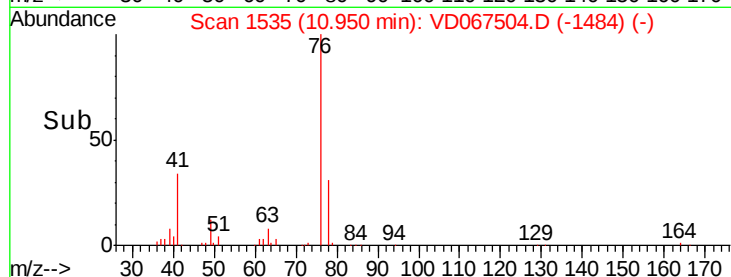
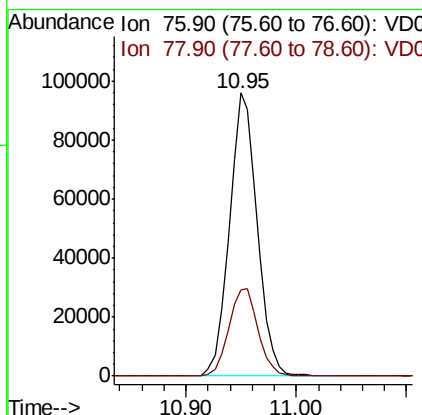
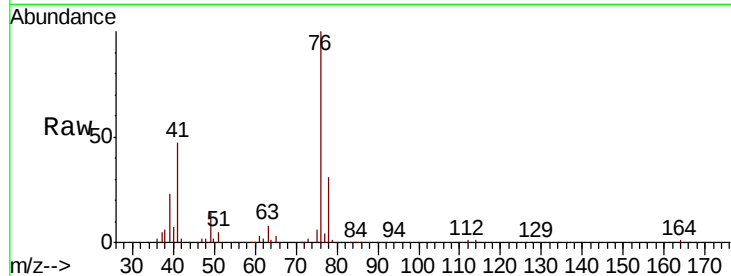




#57
 1,3-Dichloropropane
 Concen: 50.581 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

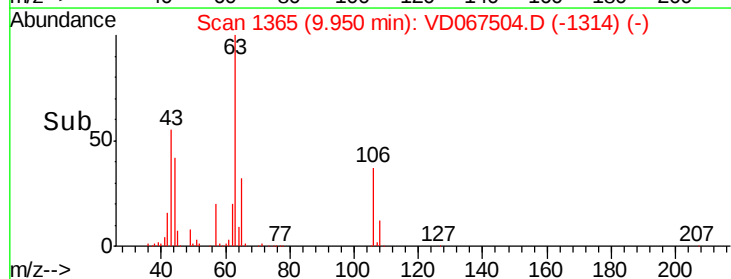
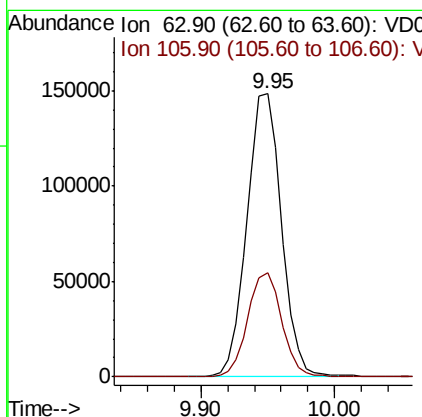
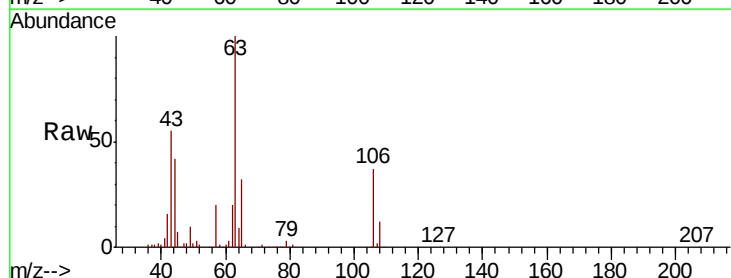
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

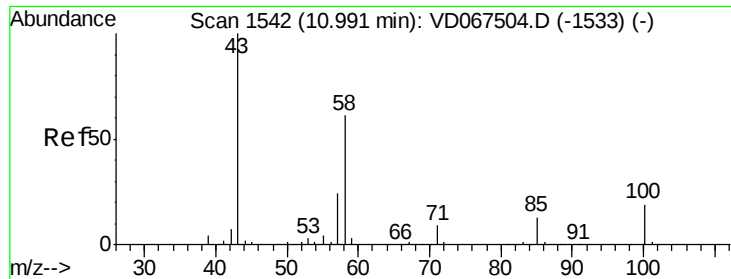
Tot Ion: 76 Resp: 168705
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 265.673 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

Tgt Ion: 63 Resp: 265177
 Ion Ratio Lower Upper
 63 100
 106 36.5 29.2 43.8

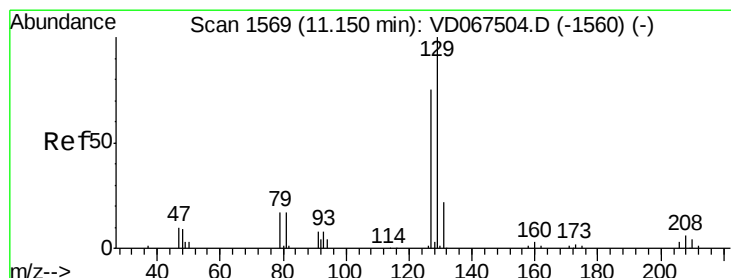
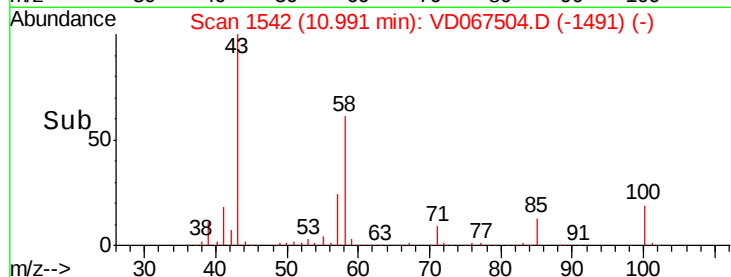
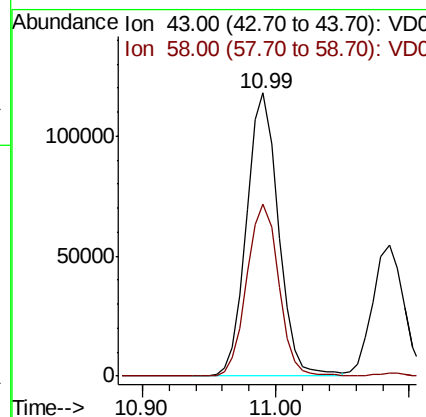
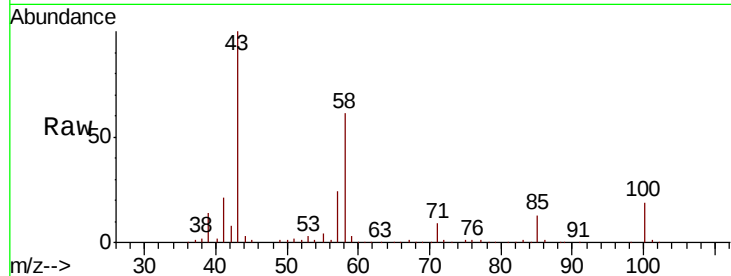




#59
2-Hexanone
Concen: 269.564 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

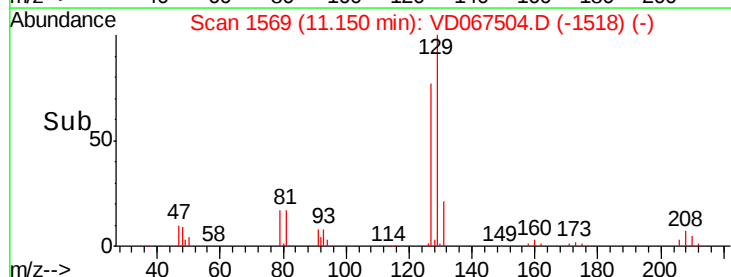
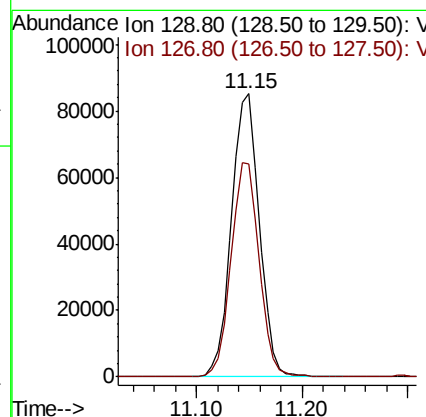
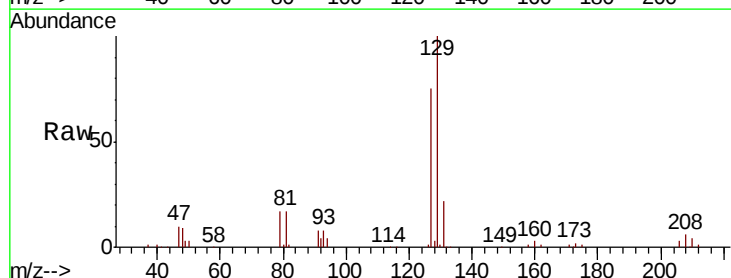
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

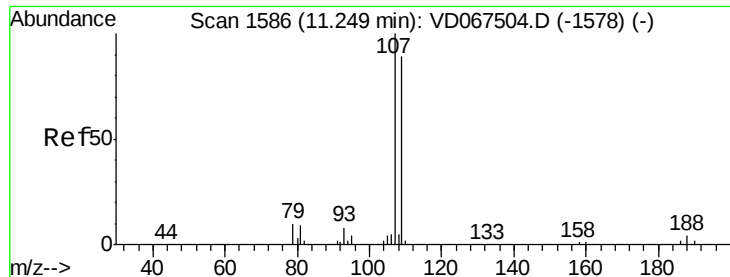
Tot Ion: 43 Resp: 194702
Ion Ratio Lower Upper
43 100
58 60.6 30.3 90.9



#60
Dibromochloromethane
Concen: 50.622 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Tgt Ion: 129 Resp: 155211
Ion Ratio Lower Upper
129 100
127 76.1 38.0 114.1

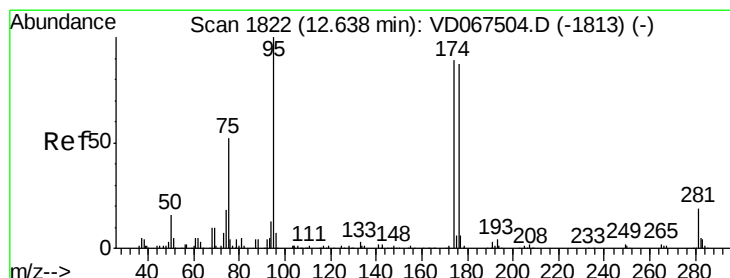
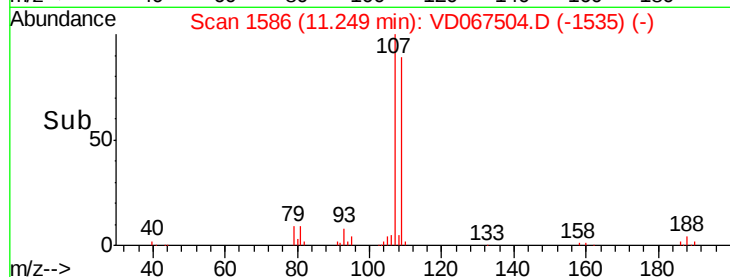
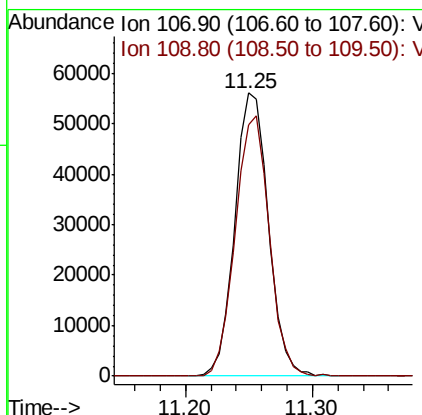
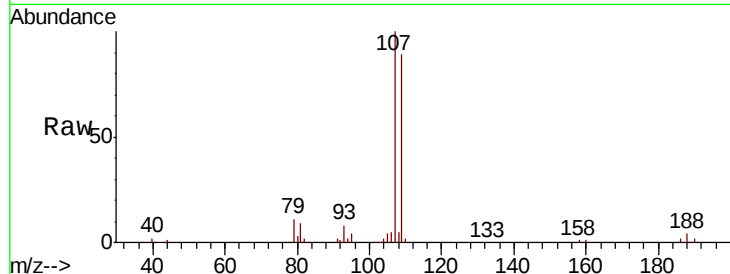




#61
 1,2-Dibromoethane
 Concen: 49.377 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

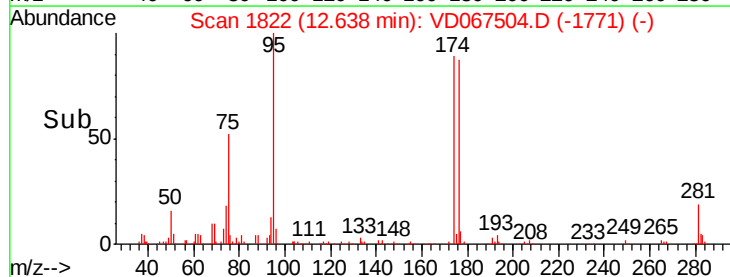
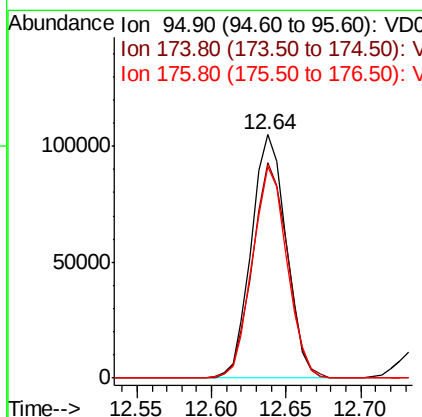
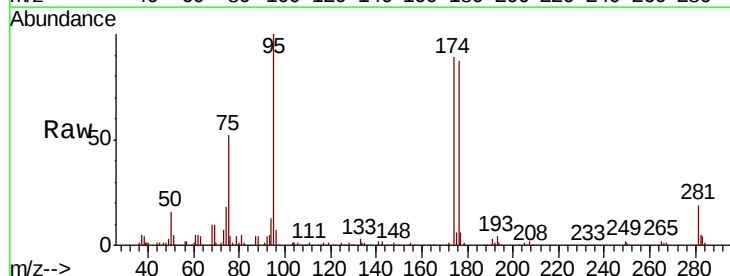
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

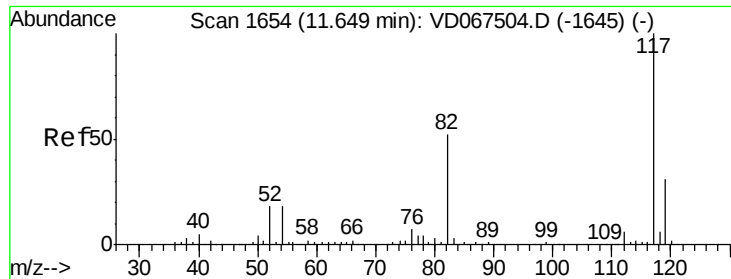
Tot Ion: 107 Resp: 102715
 Ion Ratio Lower Upper
 107 100
 109 93.2 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 47.277 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

Tgt Ion: 95 Resp: 169844
 Ion Ratio Lower Upper
 95 100
 174 88.9 0.0 177.8
 176 86.0 0.0 172.0

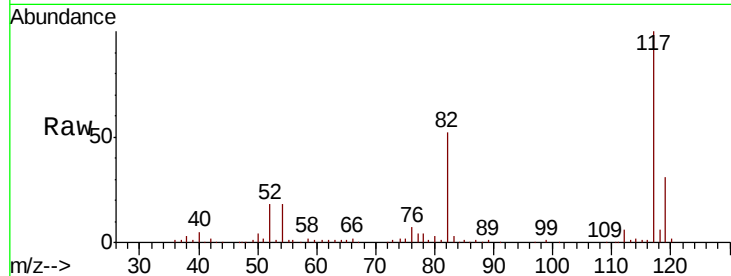




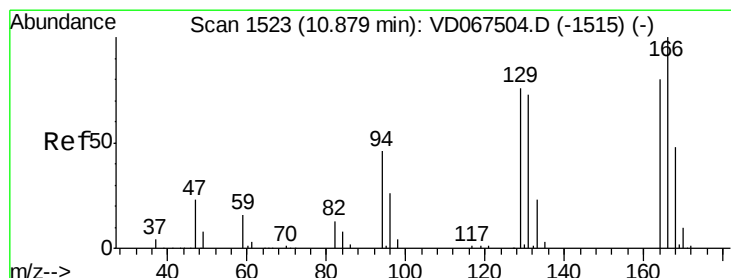
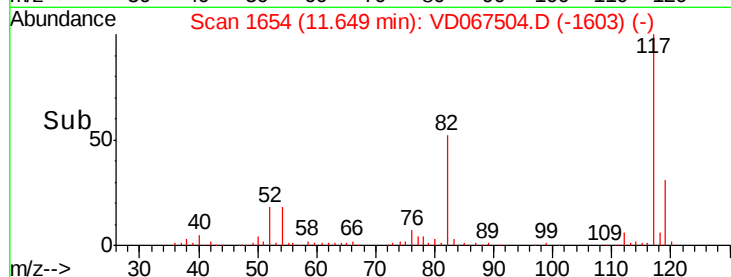
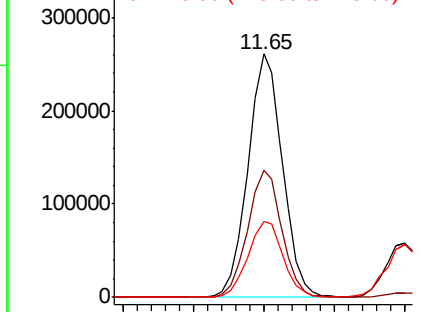
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:117 Resp: 446968
Ion Ratio Lower Upper
117 100
82 52.0 41.6 62.4
119 31.4 25.1 37.7

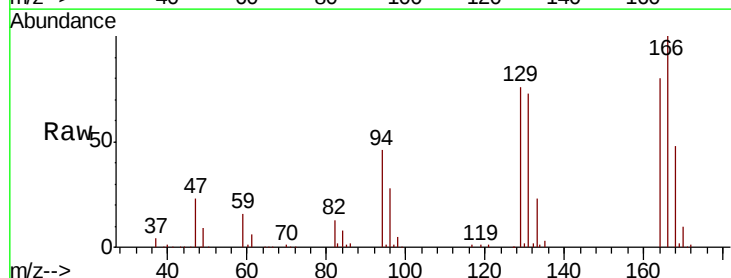


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

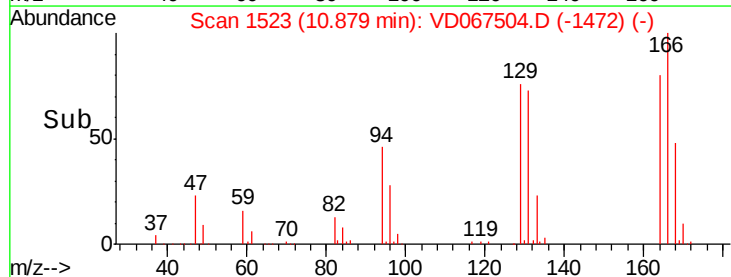
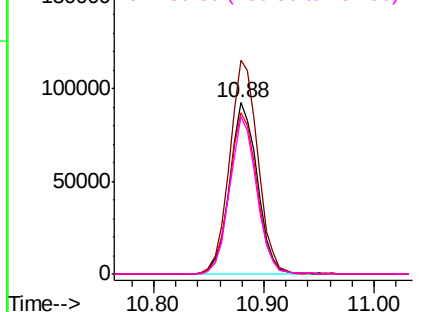


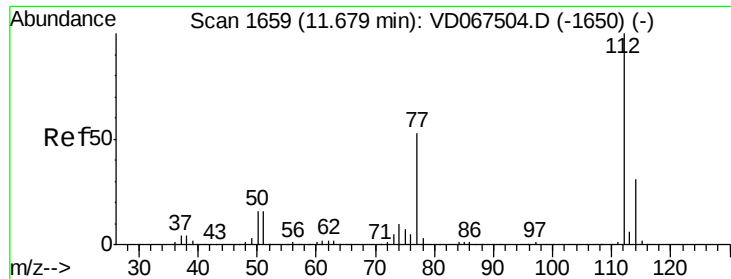
#64
Tetrachloroethene
Concen: 49.184 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Tgt Ion:164 Resp: 162810
Ion Ratio Lower Upper
164 100
166 124.9 99.9 149.9
129 94.4 75.5 113.3
131 91.7 73.4 110.0



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

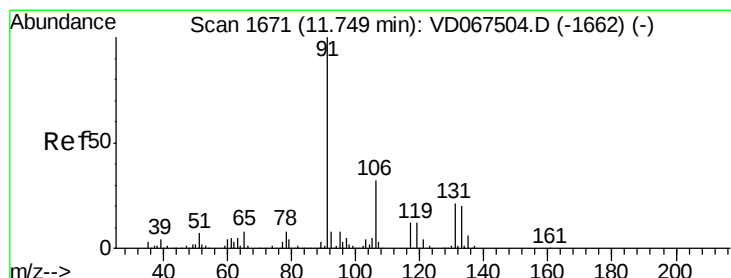
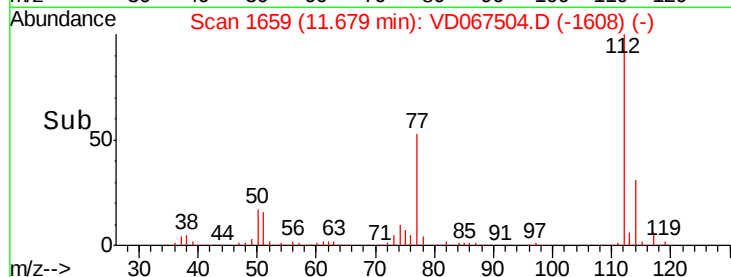
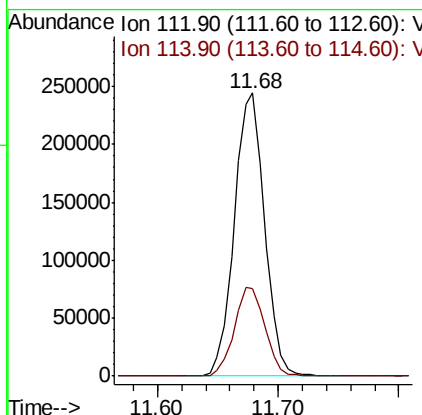
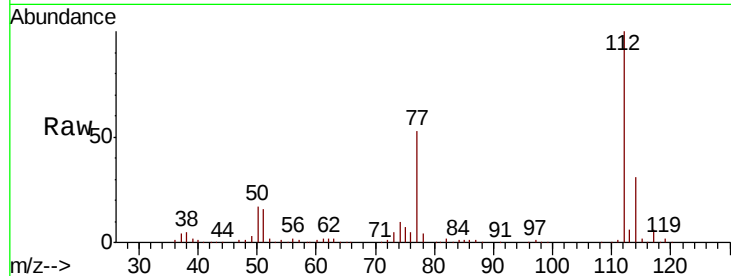




#65
Chlorobenzene
Concen: 49.437 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

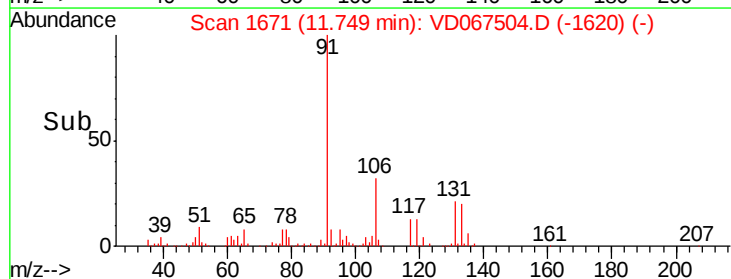
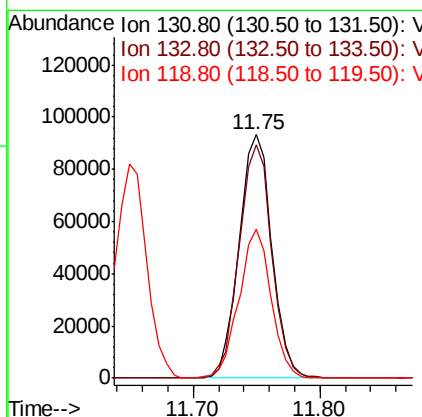
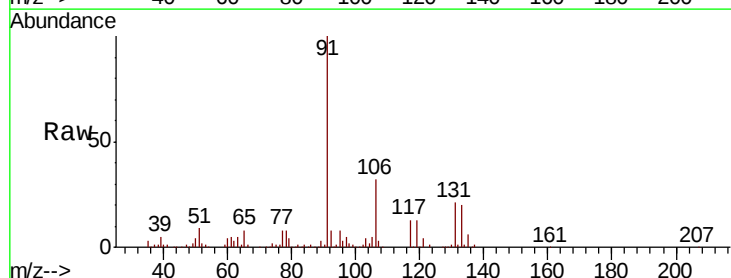
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

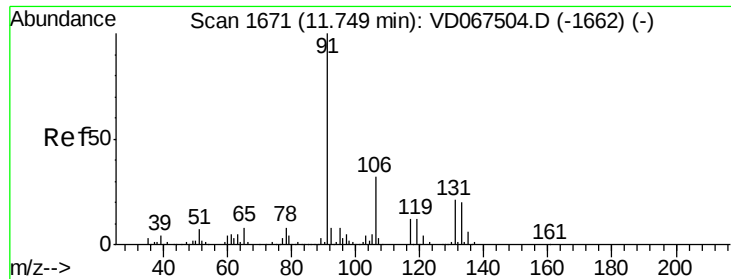
Tot Ion:112 Resp: 425647
Ion Ratio Lower Upper
112 100
114 31.1 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 49.211 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Tgt Ion:131 Resp: 166992
Ion Ratio Lower Upper
131 100
133 96.0 48.0 144.0
119 60.3 30.1 90.5





#67

Ethyl Benzene

Concen: 51.010 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

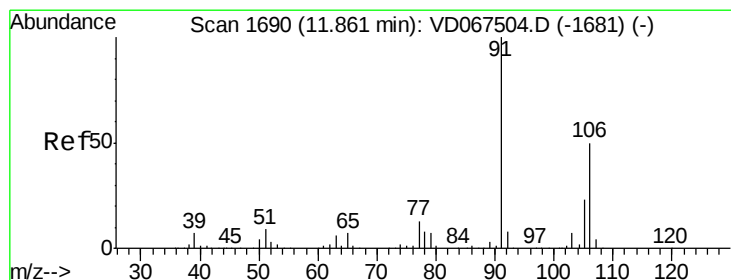
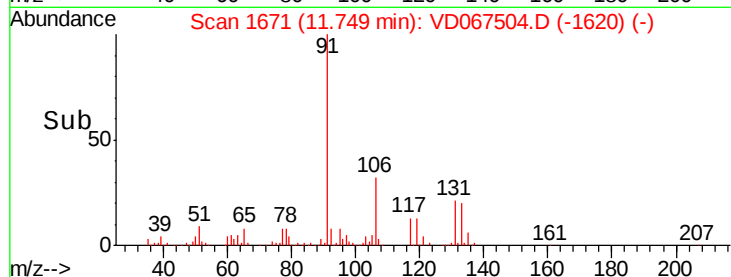
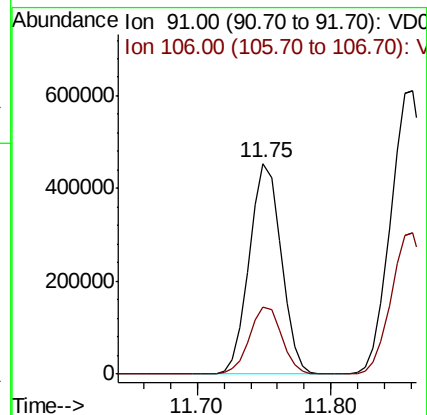
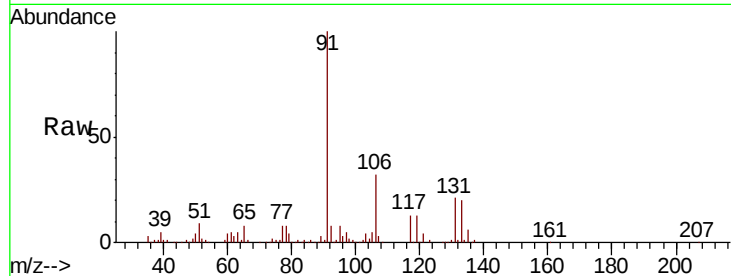
VSTDICCC050

Tot Ion: 91 Resp: 751532

Ion Ratio Lower Upper

91 100

106 32.1 25.7 38.5



#68

m/p-Xylenes

Concen: 101.725 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD067504.D

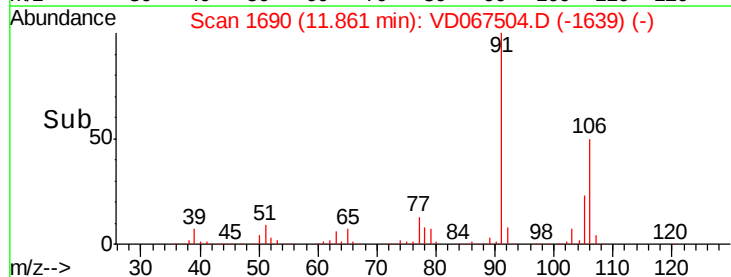
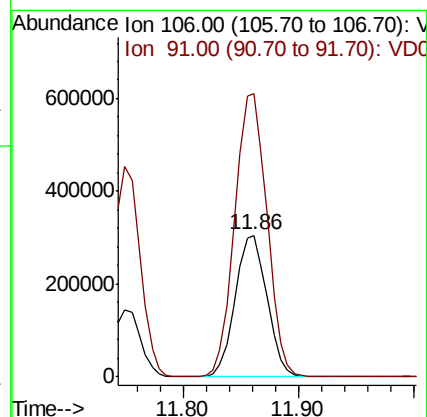
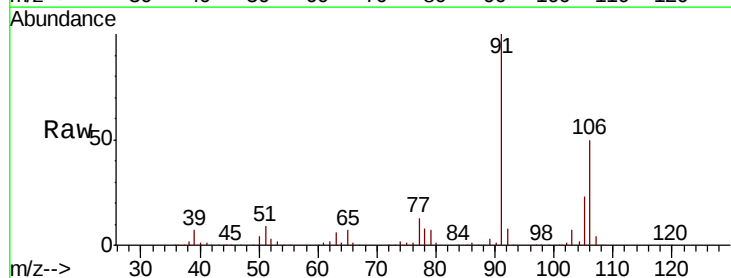
Acq: 03 Nov 2020 11:37

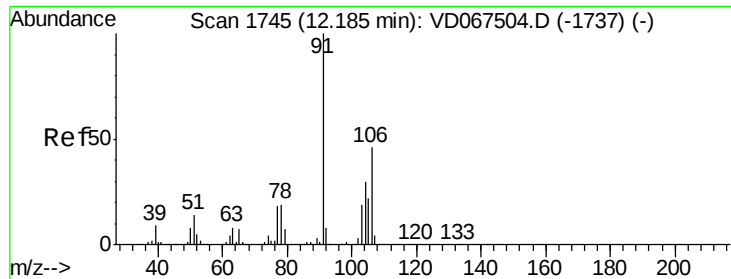
Tgt Ion: 106 Resp: 583068

Ion Ratio Lower Upper

106 100

91 203.3 162.6 244.0

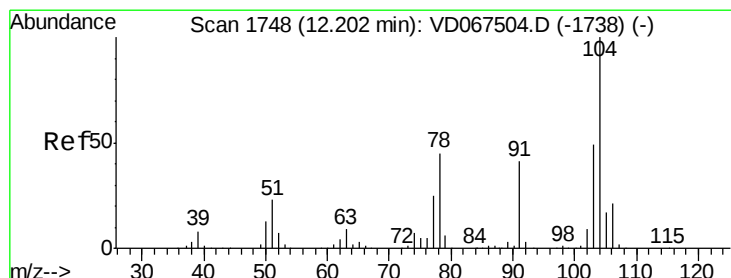
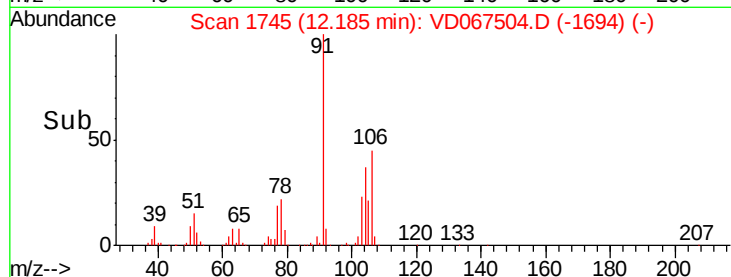
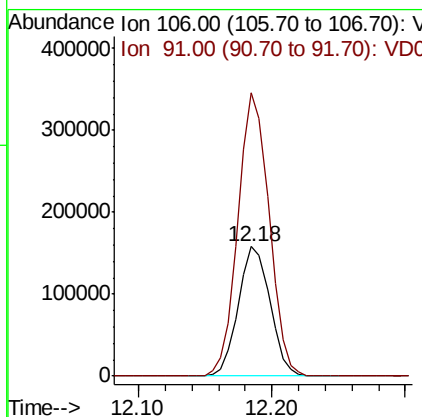
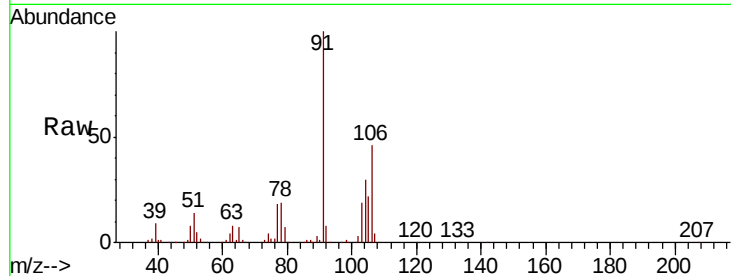




#69
o-Xylene
Concen: 51.109 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

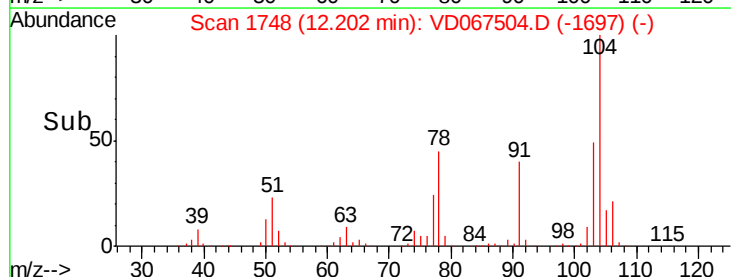
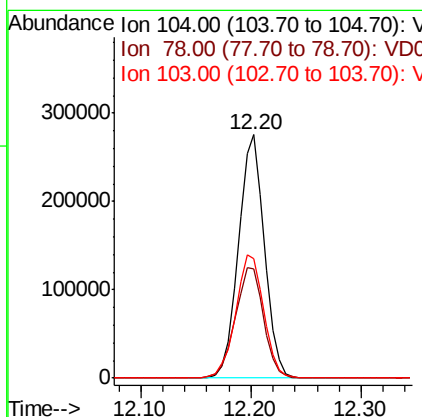
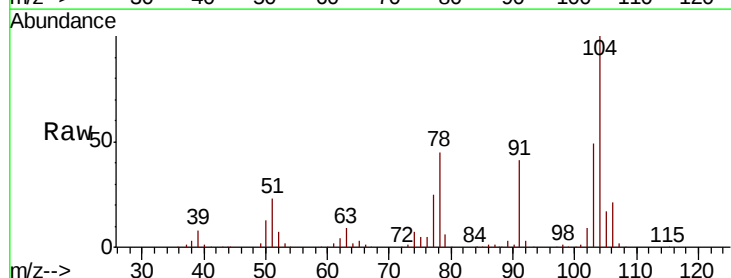
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

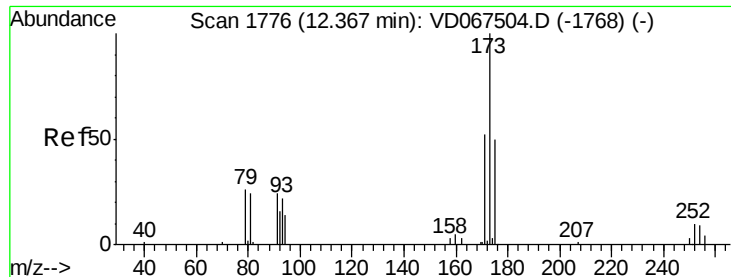
Tot Ion:106 Resp: 261549
Ion Ratio Lower Upper
106 100
91 214.1 107.1 321.1



#70
Styrene
Concen: 51.001 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Tgt Ion:104 Resp: 454791
Ion Ratio Lower Upper
104 100
78 49.8 39.8 59.8
103 54.9 43.9 65.9





#71

Bromoform

Concen: 49.612 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

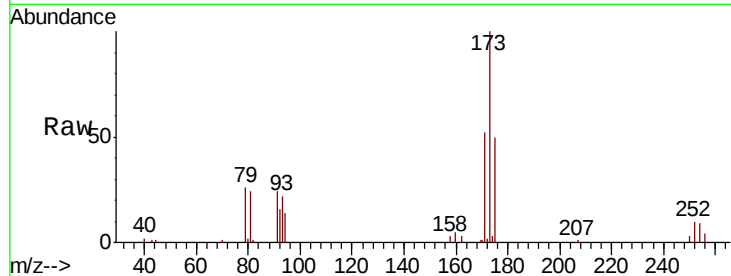
Tot Ion:173 Resp: 85862

Ion Ratio Lower Upper

173 100

175 48.1 24.1 72.2

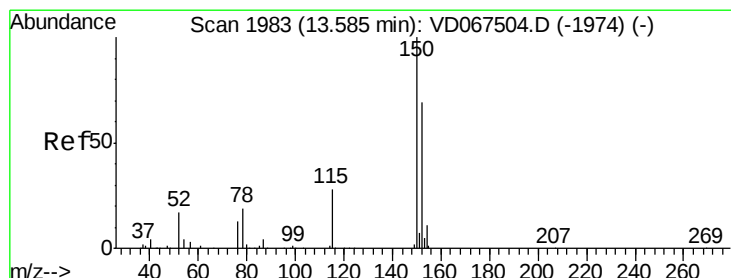
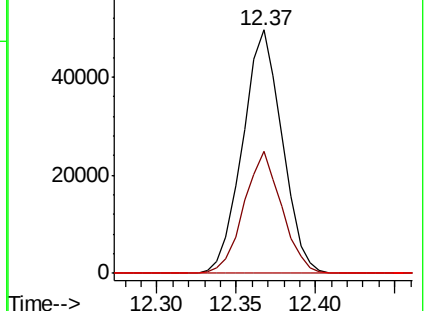
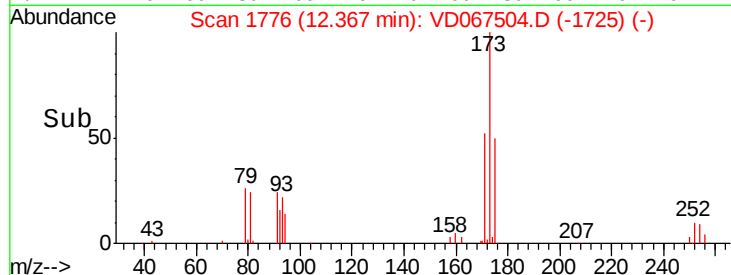
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

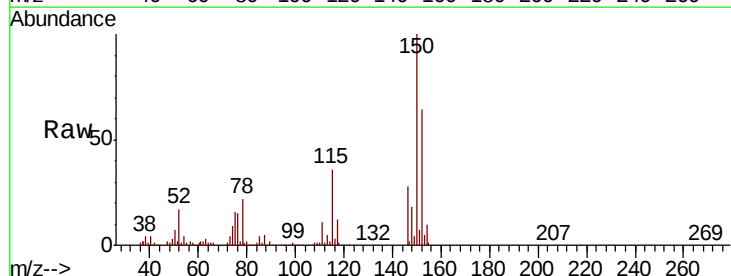
Tgt Ion:152 Resp: 223360

Ion Ratio Lower Upper

152 100

115 58.7 29.3 88.0

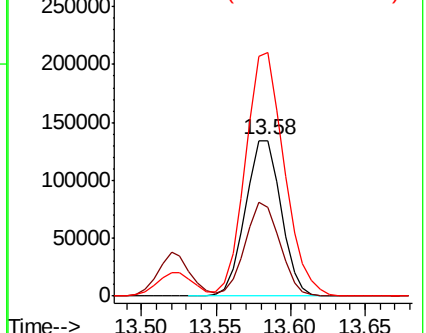
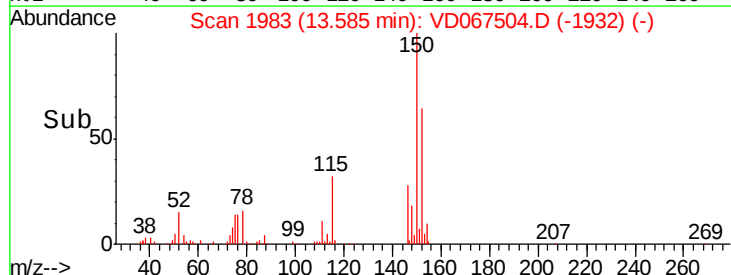
150 169.1 0.0 338.2

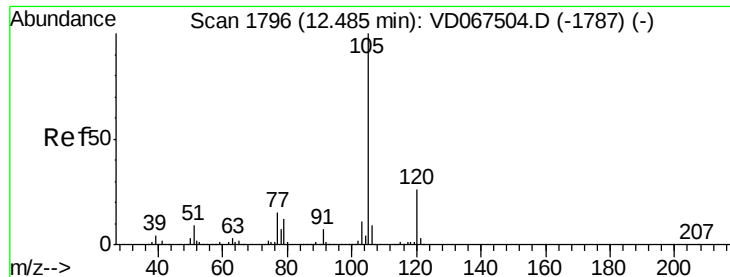


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.552 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

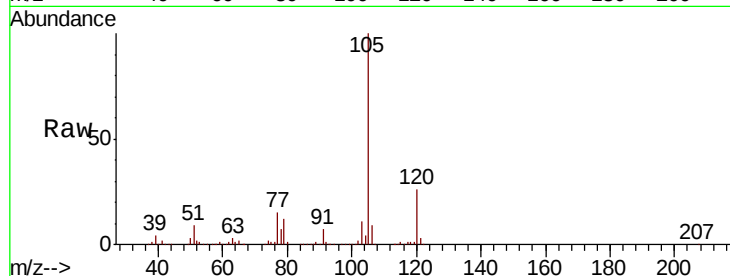
VSTDICCC050

Tot Ion:105 Resp: 758614

Ion Ratio Lower Upper

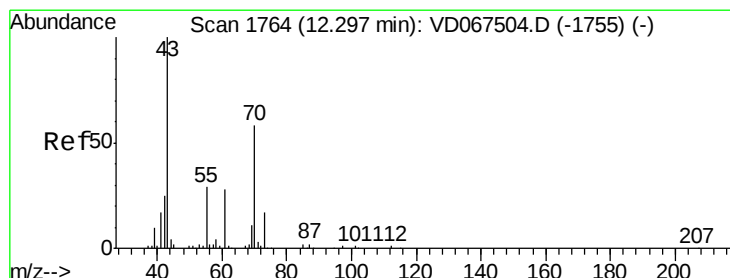
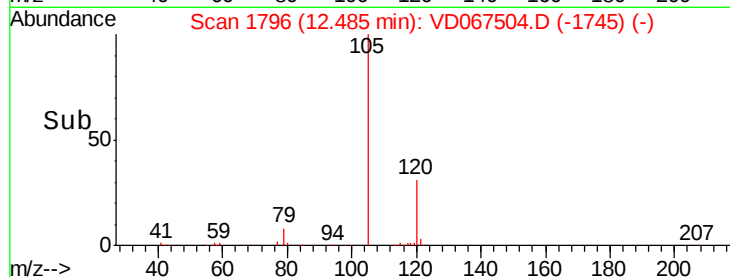
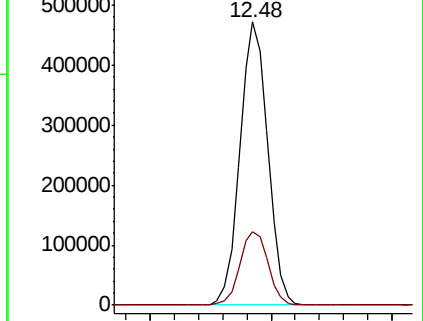
105 100

120 26.4 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.648 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Tgt Ion: 43 Resp: 98103

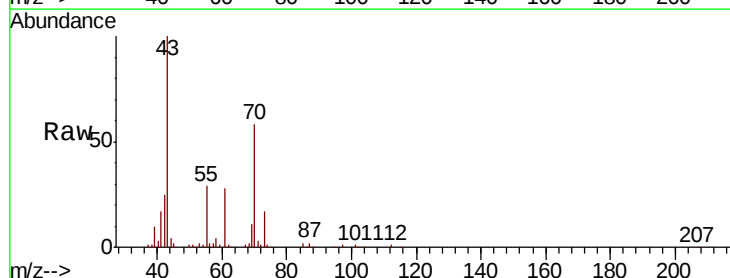
Ion Ratio Lower Upper

43 100

70 53.3 42.6 64.0

55 29.6 23.7 35.5

61 27.4 21.9 32.9

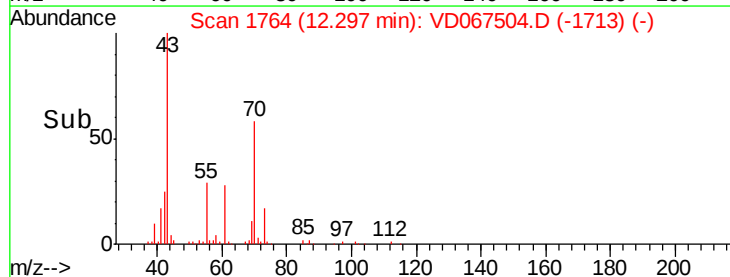
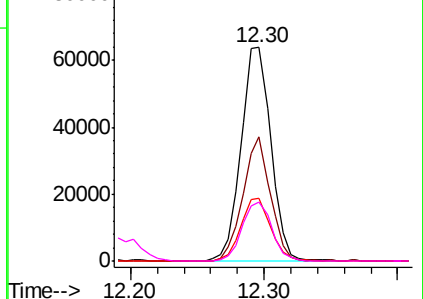


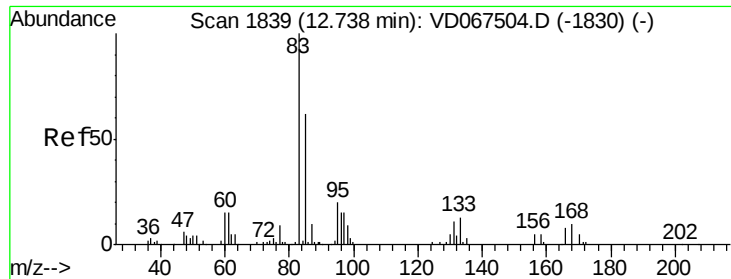
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 49.268 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

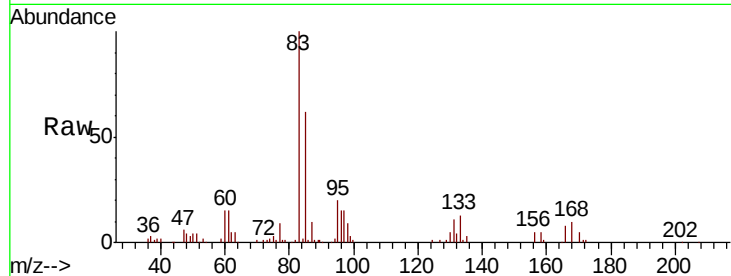
Tot Ion: 83 Resp: 96980

Ion Ratio Lower Upper

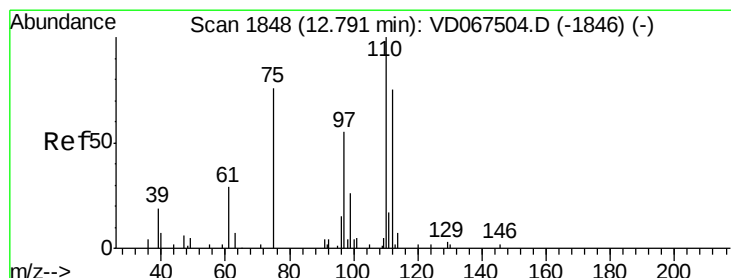
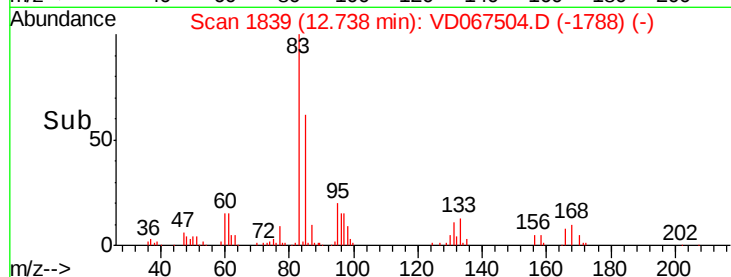
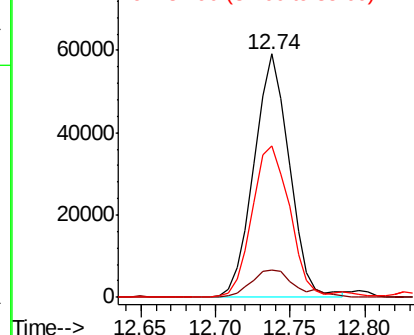
83 100

131 14.2 7.1 21.3

85 65.8 32.9 98.7



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: 98.953 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD067504.D

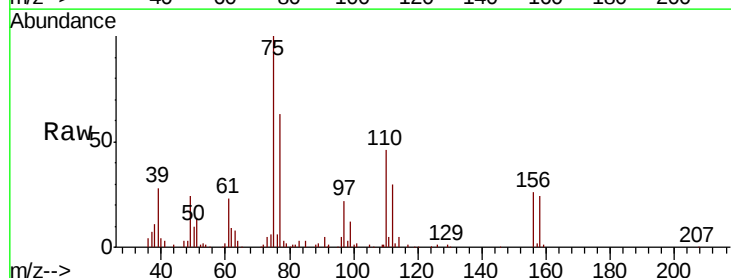
Acq: 03 Nov 2020 11:37

Tgt Ion: 75 Resp: 139380

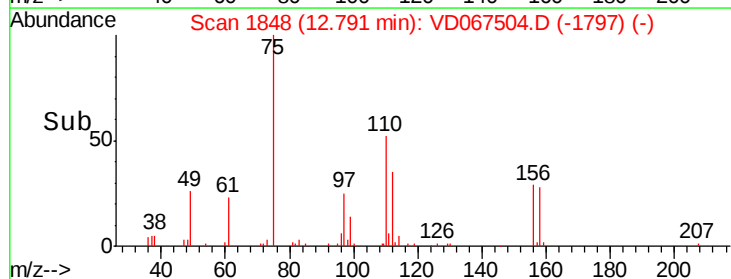
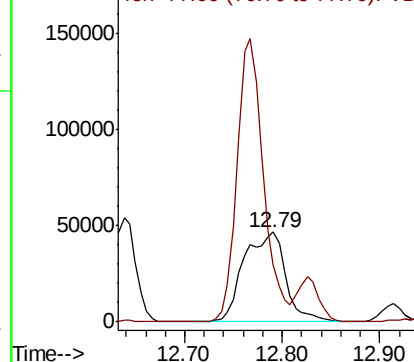
Ion Ratio Lower Upper

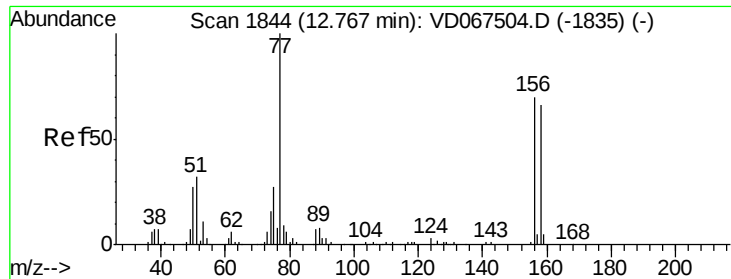
75 100

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: 50.387 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

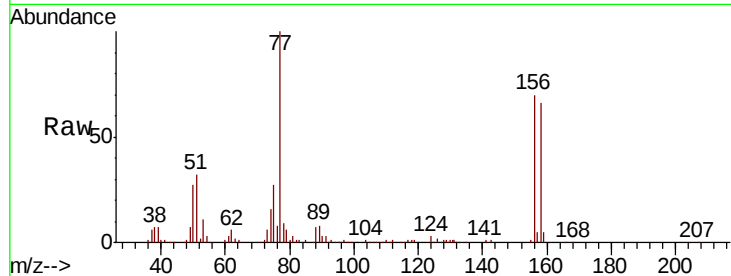
Tot Ion:156 Resp: 178629

Ion Ratio Lower Upper

156 100

77 155.7 77.8 233.5

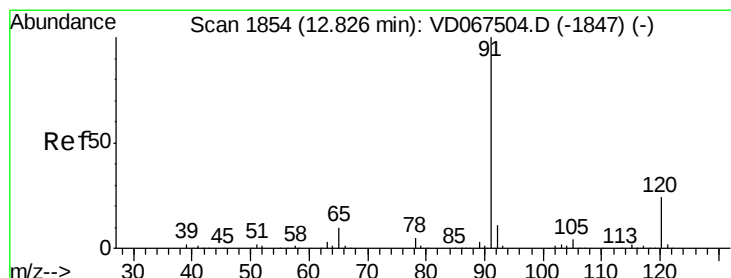
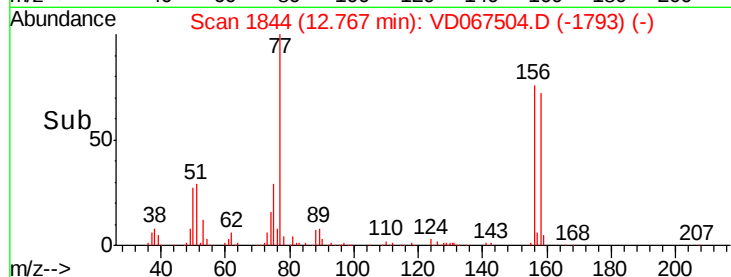
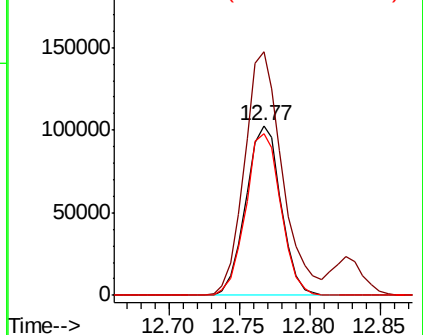
158 95.8 47.9 143.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.266 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067504.D

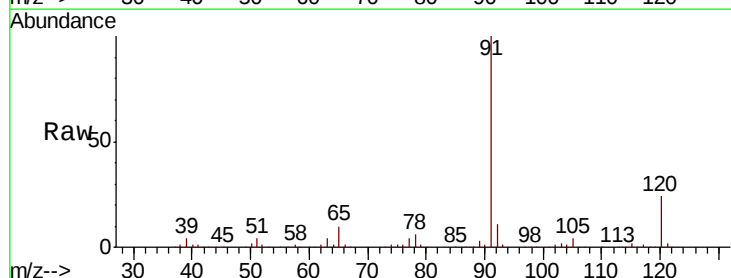
Acq: 03 Nov 2020 11:37

Tgt Ion: 91 Resp: 862990

Ion Ratio Lower Upper

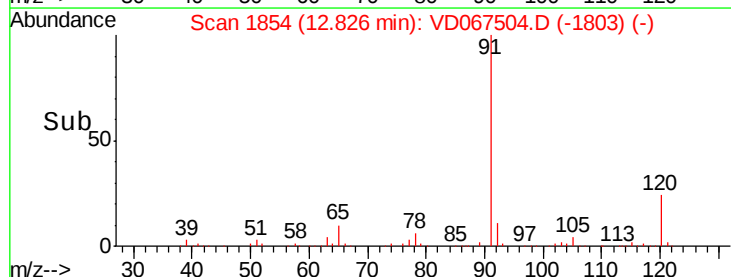
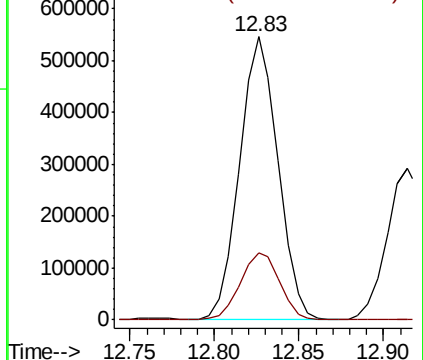
91 100

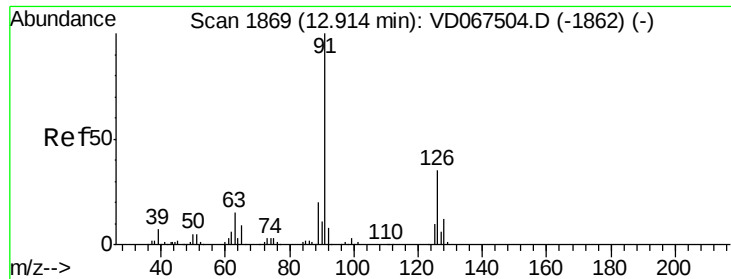
120 24.3 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

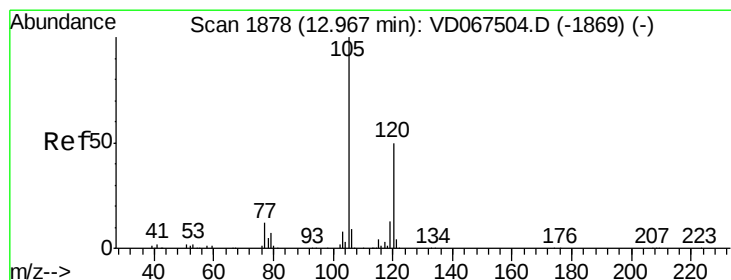
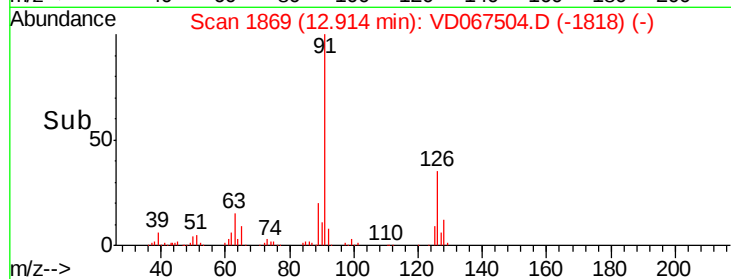
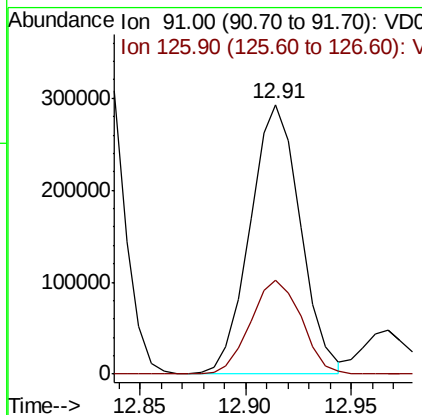
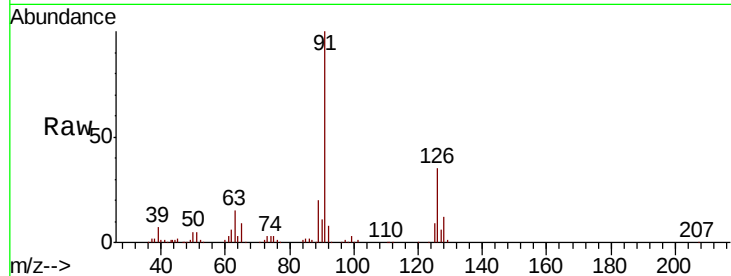




#79
 2-Chlorotoluene
 Concen: 51.557 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

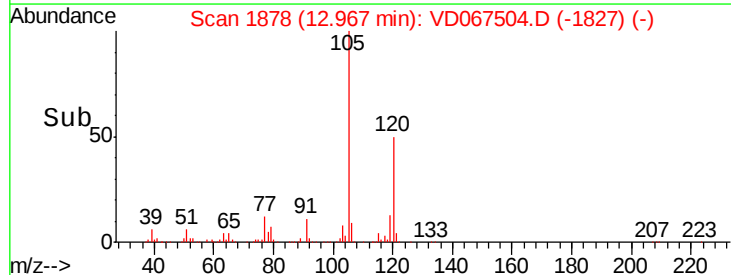
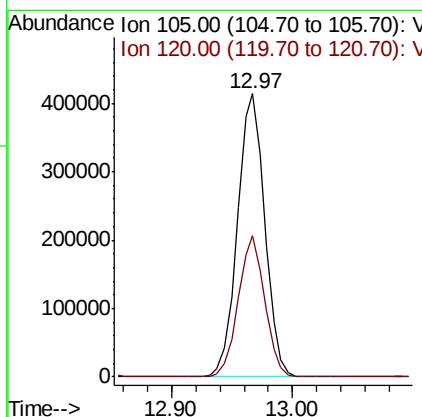
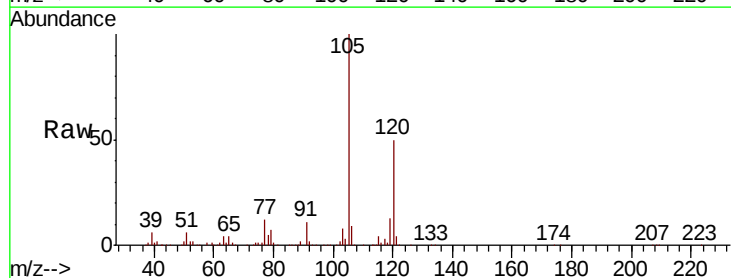
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

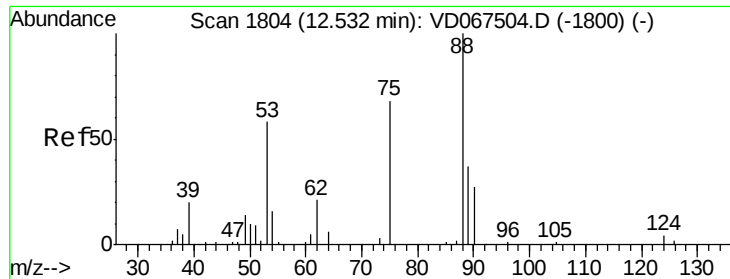
Tot Ion: 91 Resp: 483571
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.8 53.4



#80
 1,3,5-Trimethylbenzene
 Concen: 52.806 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

Tgt Ion: 105 Resp: 651168
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 47.633 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

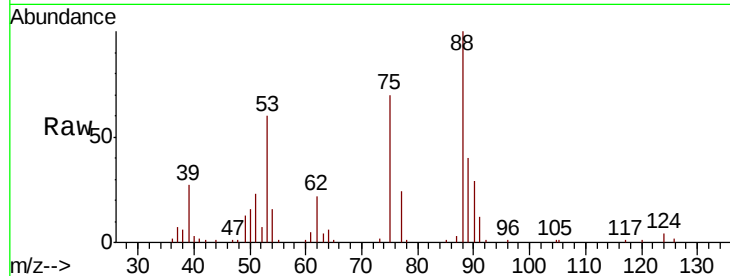
Tot Ion: 75 Resp: 31613

Ion Ratio Lower Upper

75 100

53 94.9 75.9 113.9

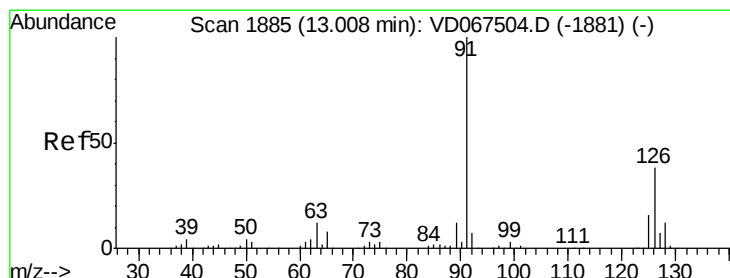
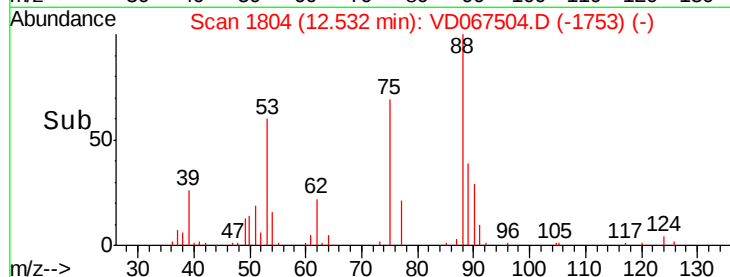
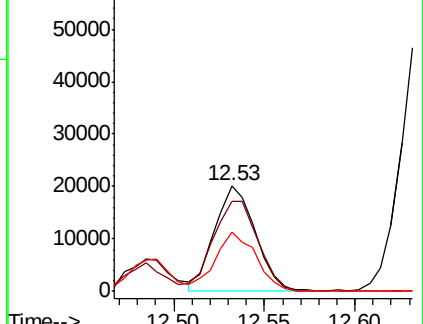
89 55.8 44.6 67.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 51.055 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067504.D

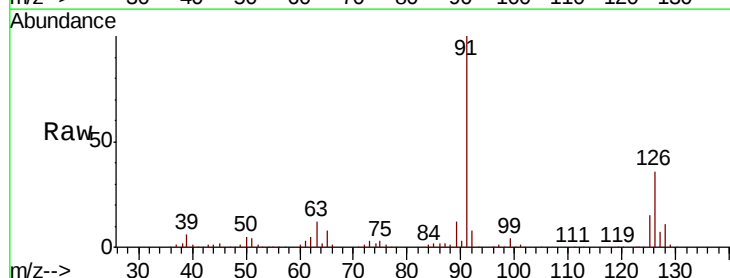
Acq: 03 Nov 2020 11:37

Tgt Ion: 91 Resp: 513581

Ion Ratio Lower Upper

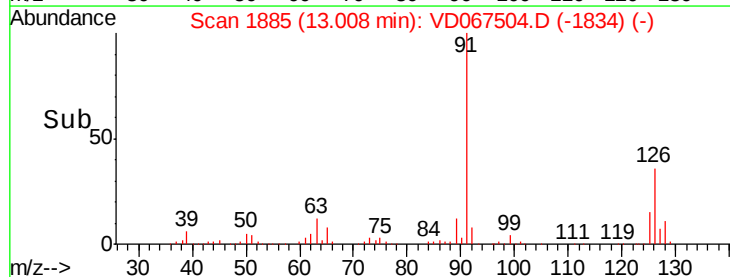
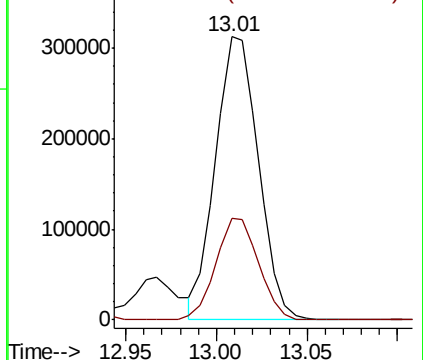
91 100

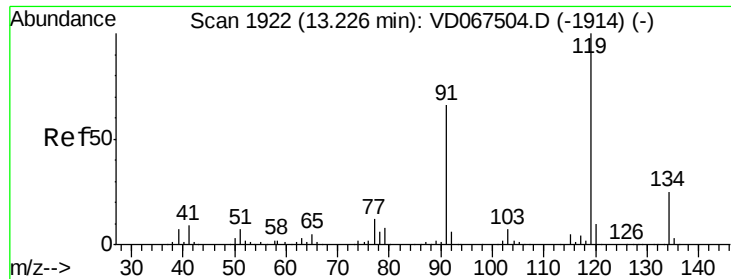
126 35.8 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

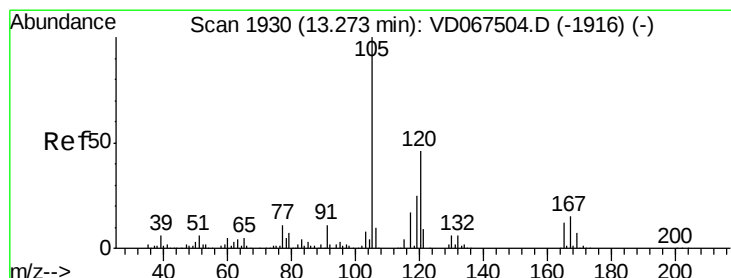
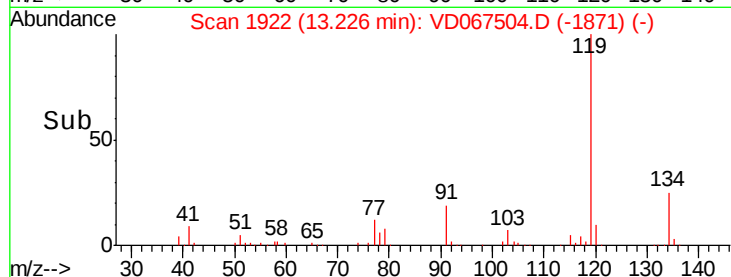
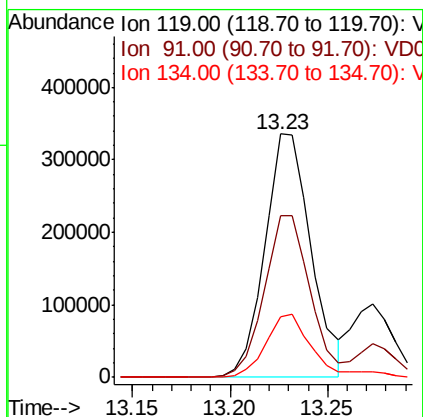
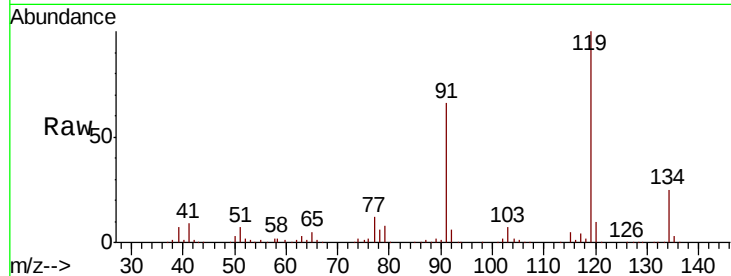




#83
tert-Butylbenzene
Concen: 52.781 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

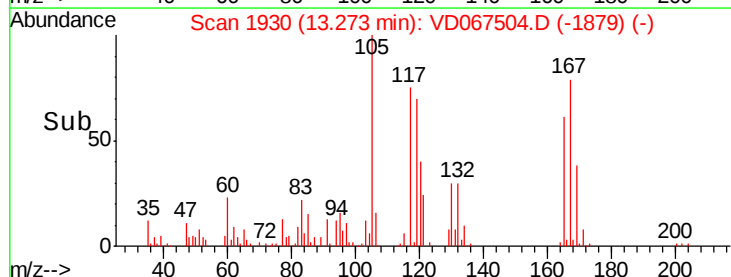
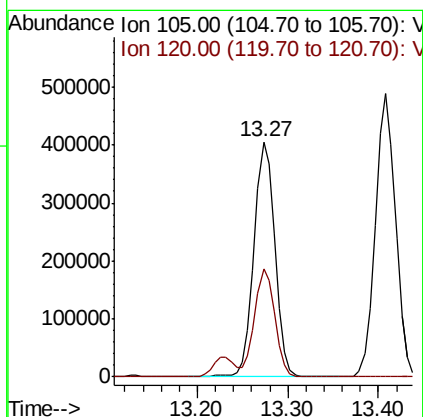
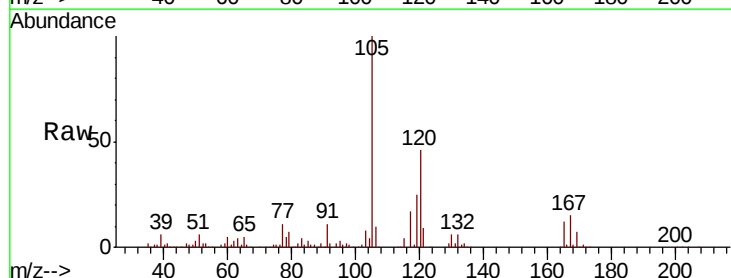
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

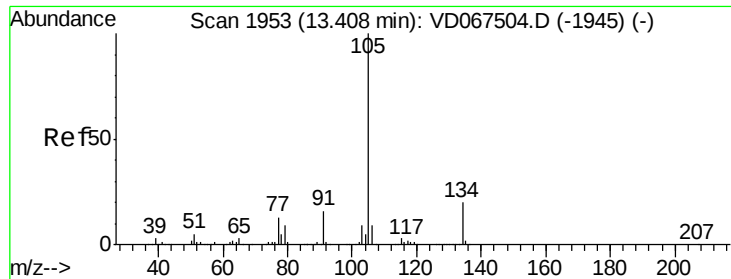
Tot Ion:119 Resp: 551611
Ion Ratio Lower Upper
119 100
91 65.4 32.7 98.1
134 26.8 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 52.746 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Tgt Ion:105 Resp: 647452
Ion Ratio Lower Upper
105 100
120 44.1 22.1 66.1

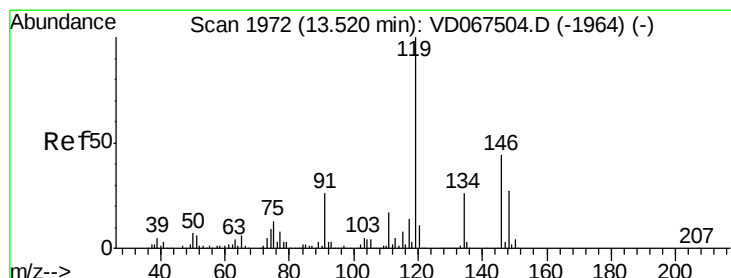
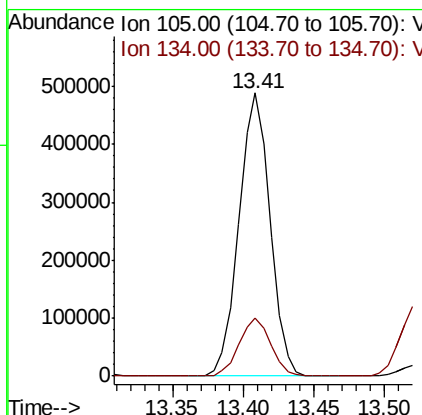
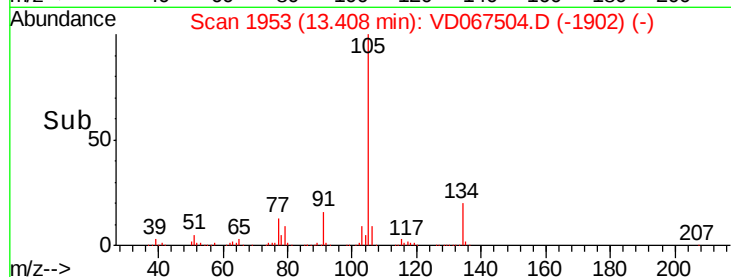
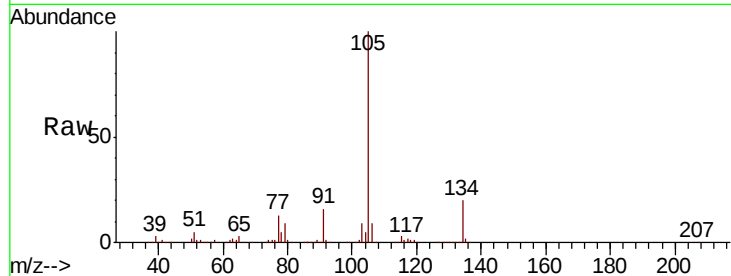




#85
 sec-Butylbenzene
 Concen: 53.248 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

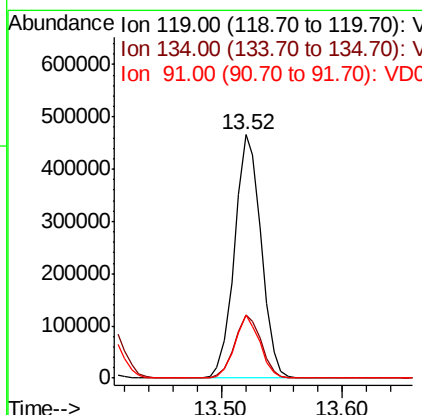
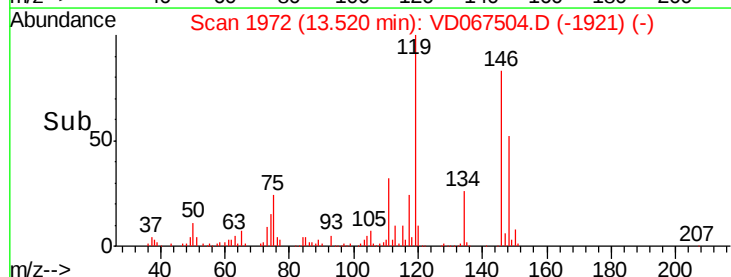
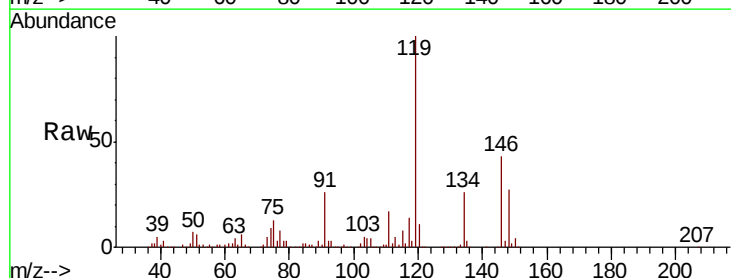
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDICCC050

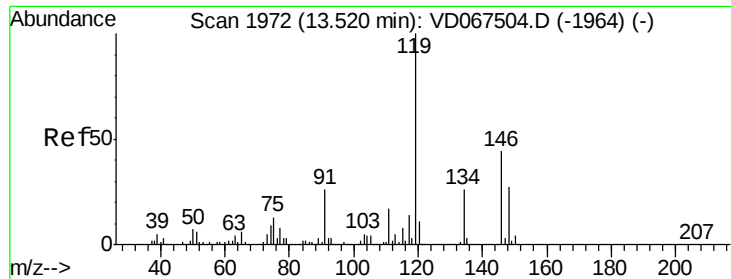
Tot Ion:105 Resp: 751233
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 52.300 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

Tgt Ion:119 Resp: 712531
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.1 39.3
 91 24.3 12.2 36.4

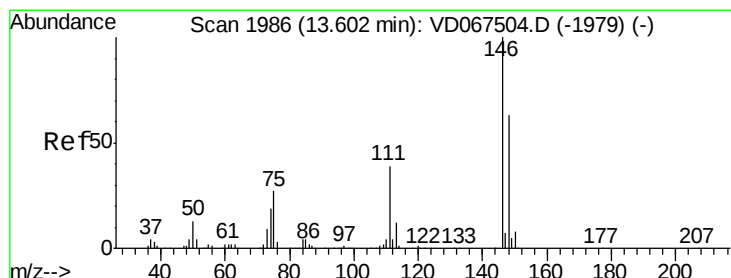
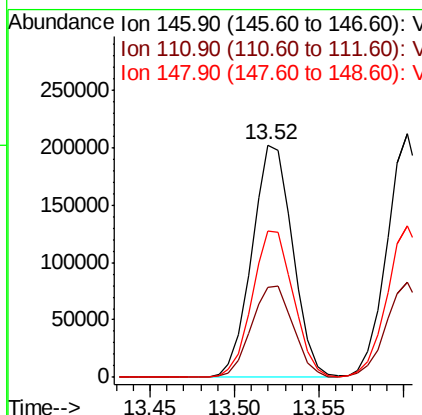
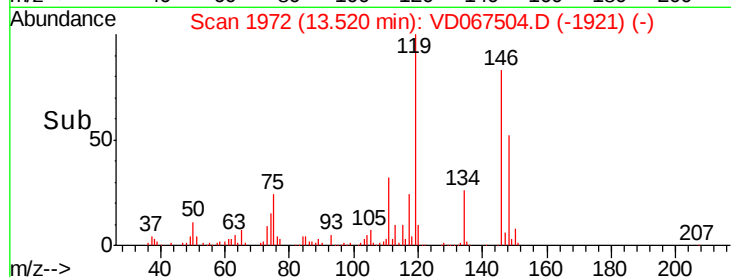
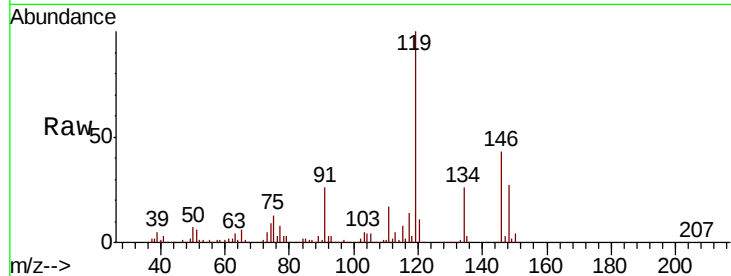




#87
 1,3-Dichlorobenzene
 Concen: 50.139 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

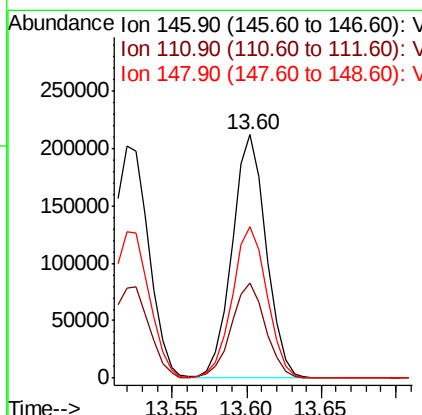
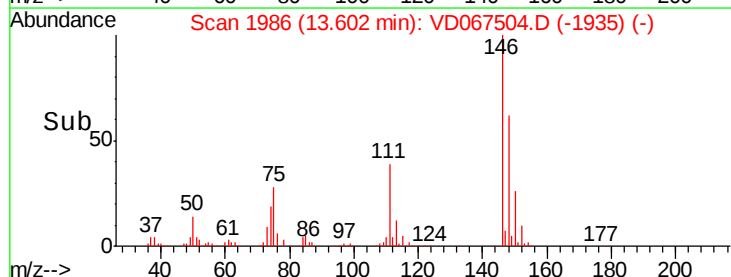
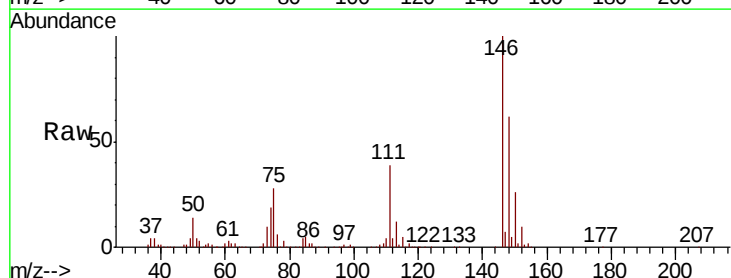
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

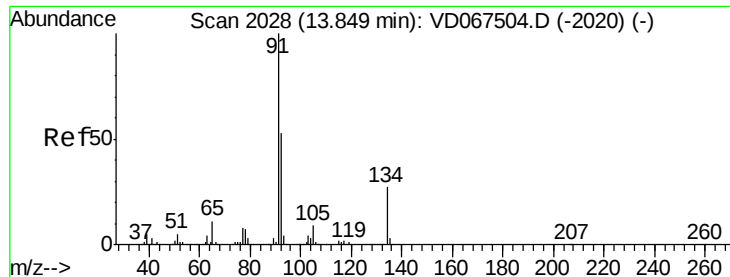
Tot Ion:146 Resp: 339175
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.3 60.8
 148 63.9 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 49.258 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

Tgt Ion:146 Resp: 337401
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.6 58.7
 148 63.6 31.8 95.4

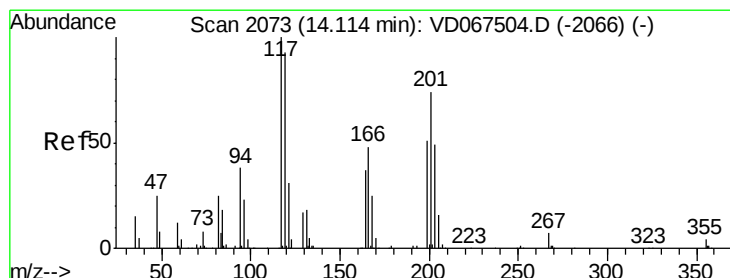
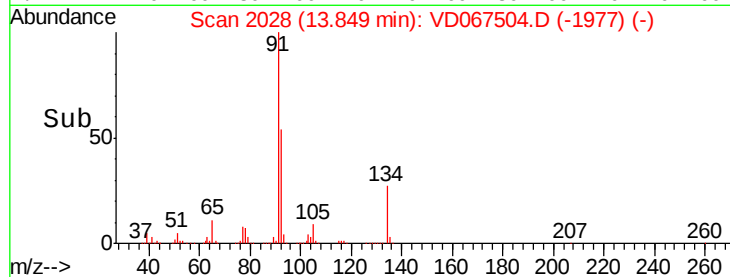
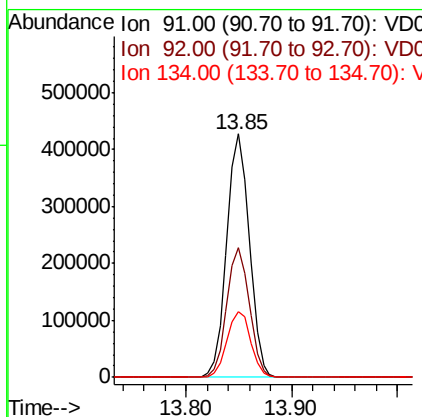
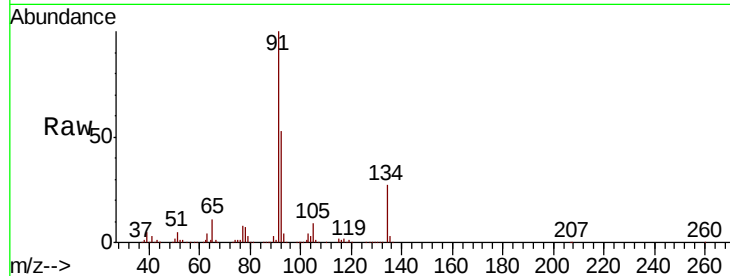




#89
n-Butylbenzene
Concen: 53.856 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

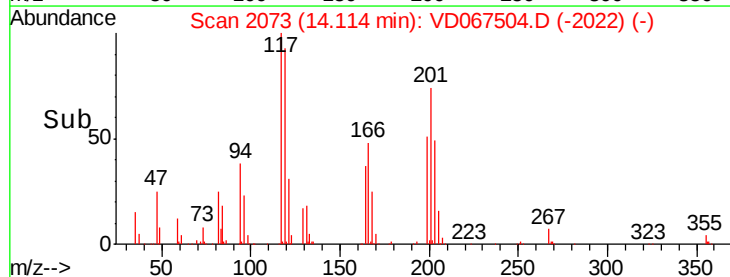
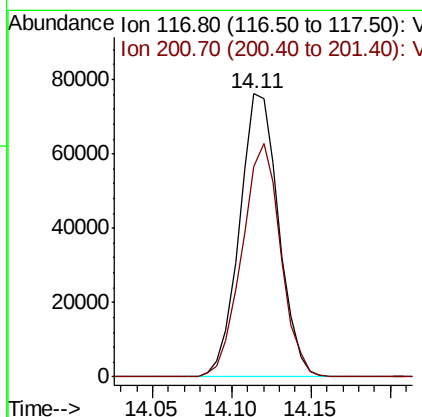
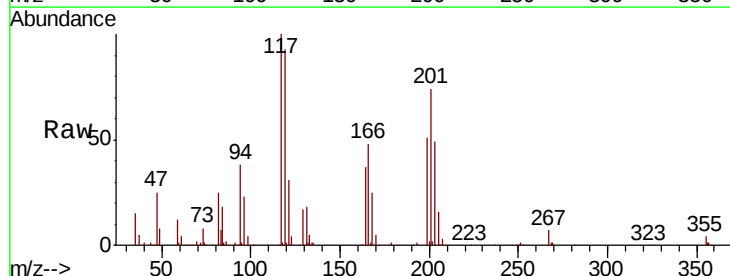
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

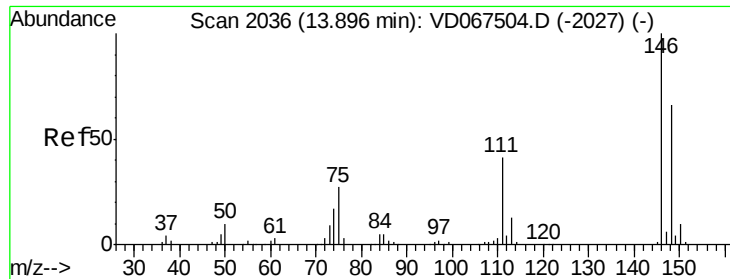
Tot Ion: 91 Resp: 633770
Ion Ratio Lower Upper
91 100
92 53.2 26.6 79.8
134 28.1 14.1 42.2



#90
Hexachloroethane
Concen: 50.866 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067504.D
Acq: 03 Nov 2020 11:37

Tgt Ion: 117 Resp: 130503
Ion Ratio Lower Upper
117 100
201 81.4 40.7 122.1





#91

1,2-Dichlorobenzene

Concen: 50.137 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

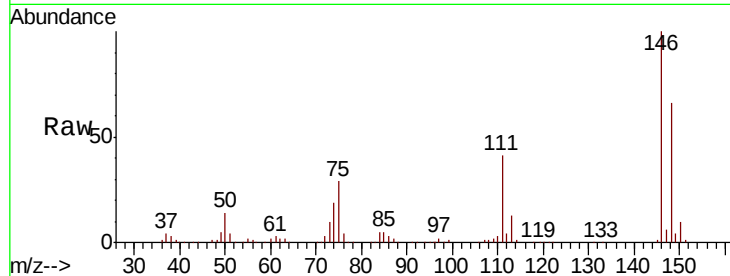
Tot Ion:146 Resp: 293528

Ion Ratio Lower Upper

146 100

111 41.4 20.7 62.1

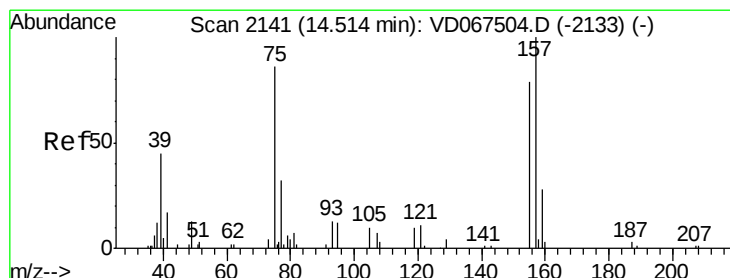
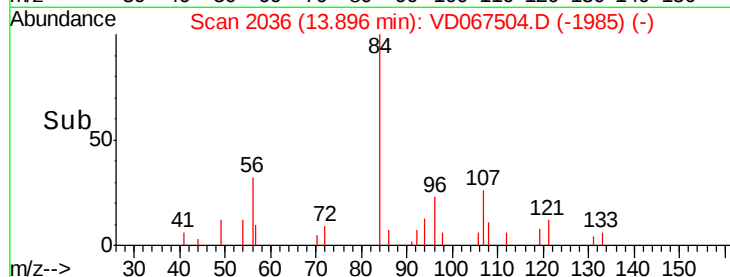
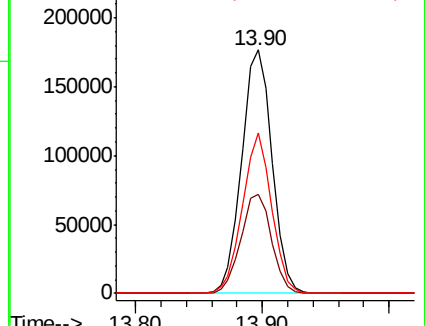
148 63.0 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.801 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

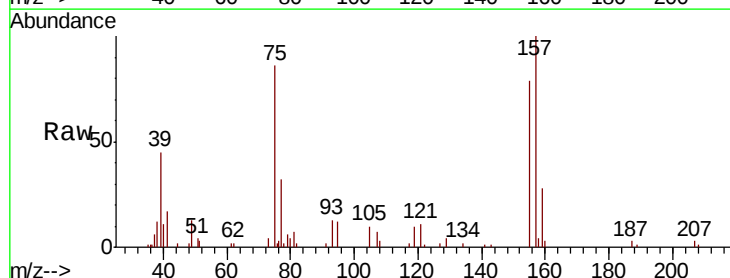
Tgt Ion: 75 Resp: 17008

Ion Ratio Lower Upper

75 100

155 93.2 46.6 139.8

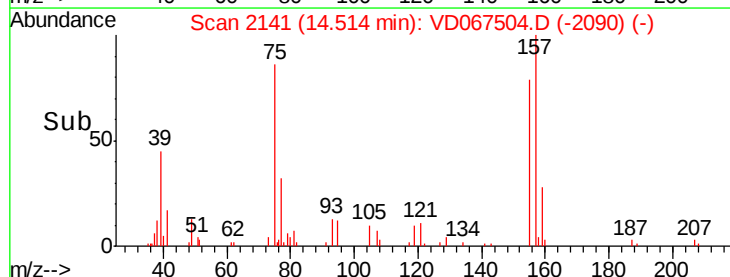
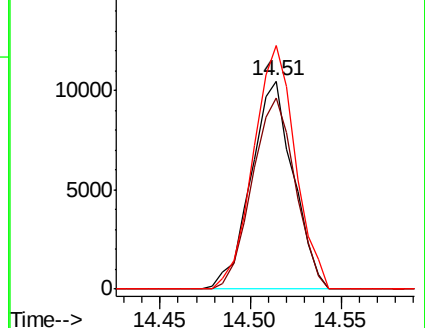
157 116.1 58.1 174.2

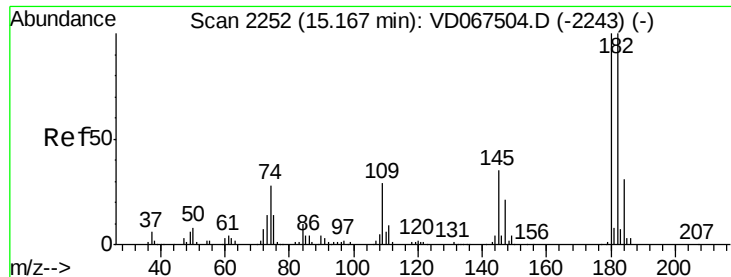


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

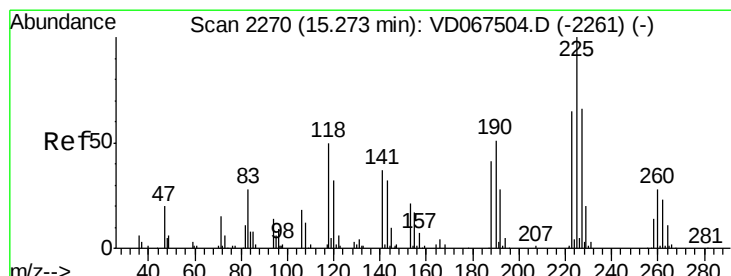
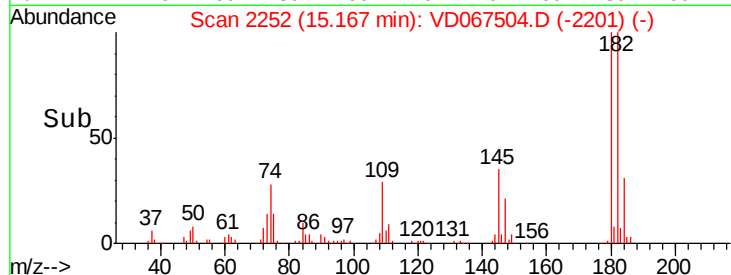
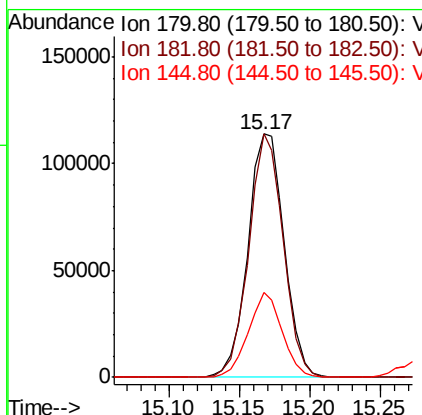
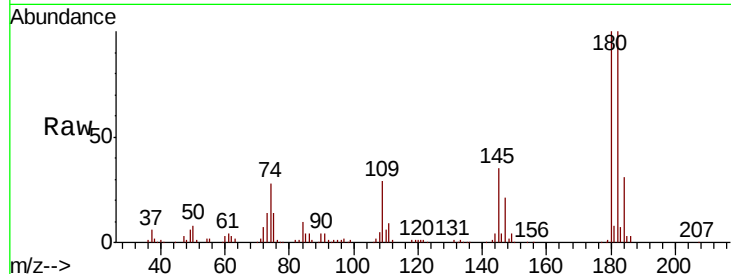




#93
 1,2,4-Trichlorobenzene
 Concen: 51.659 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

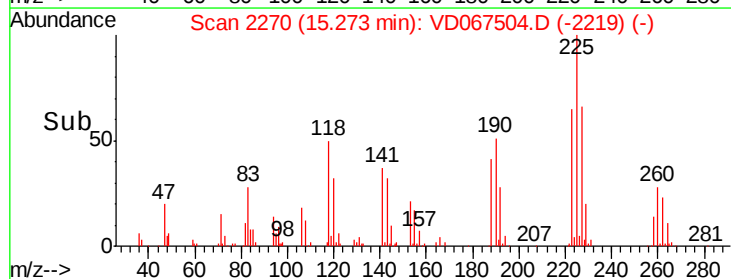
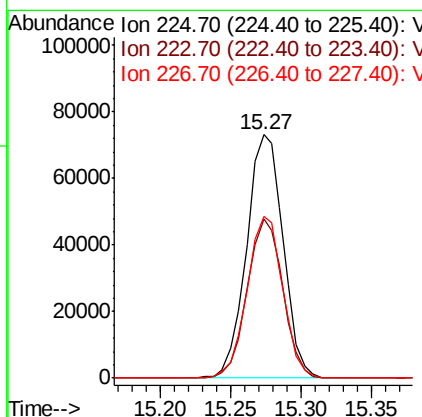
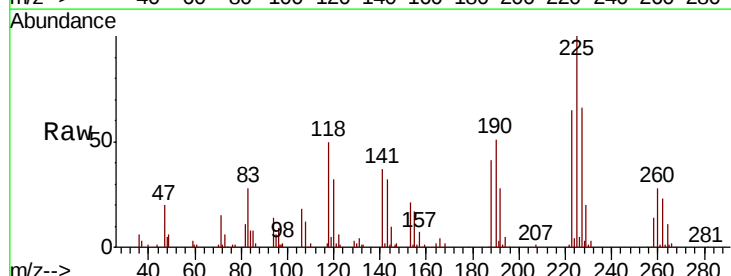
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

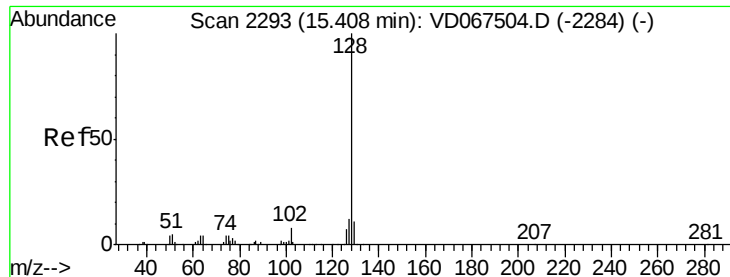
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.4	142.3
145	32.4	16.2	48.6



#94
 Hexachlorobutadiene
 Concen: 49.910 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067504.D
 Acq: 03 Nov 2020 11:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.9	95.5
227	64.9	32.5	97.4





#95

Naphthalene

Concen: 54.305 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

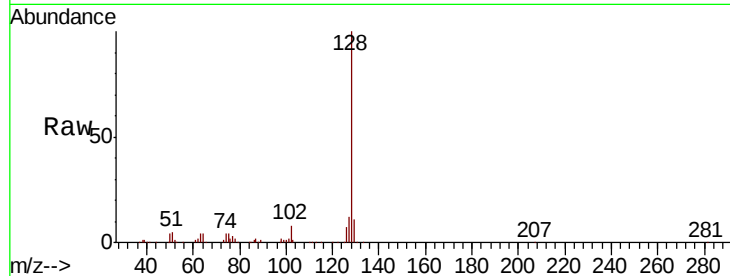
Tot Ion:128 Resp: 333010

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

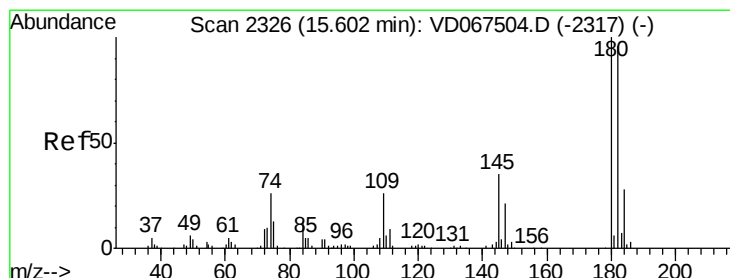
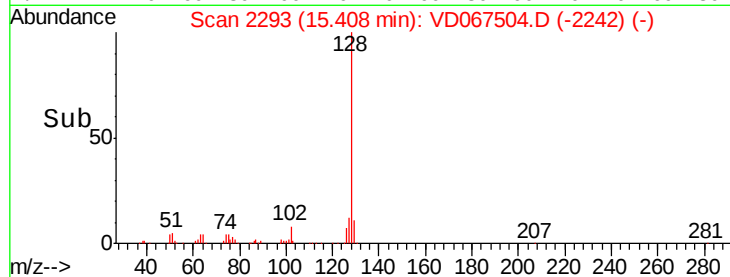
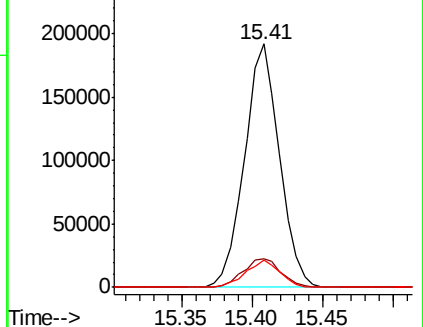
129 11.1 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.261 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD067504.D

Acq: 03 Nov 2020 11:37

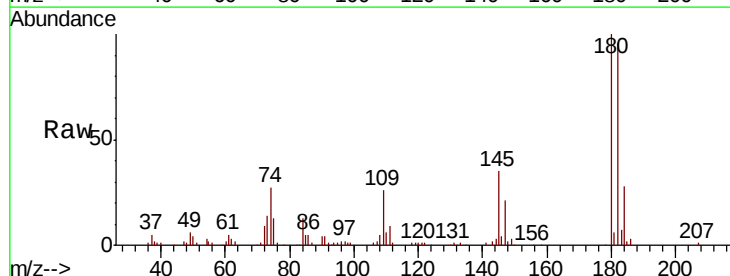
Tgt Ion:180 Resp: 177830

Ion Ratio Lower Upper

180 100

182 93.9 46.9 140.8

145 34.1 17.1 51.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

