

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110320\
 Data File : VD067506.D
 Acq On : 03 Nov 2020 12:30
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Nov 04 00:29:44 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	7.99	168	343545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	507927	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	457602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	221291	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	394557	131.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	262.70%	
35) Dibromofluoromethane	7.92	113	414148	135.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	270.66%	
50) Toluene-d8	10.34	98	1425685	132.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	265.14%	
62) 4-Bromofluorobenzene	12.64	95	512646	138.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	276.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	389182	123.886	ug/l	96
3) Chloromethane	2.21	50	291732	136.366	ug/l	100
4) Vinyl Chloride	2.35	62	323304	135.549	ug/l	96
5) Bromomethane	2.76	94	251405	130.045	ug/l	92
6) Chloroethane	2.92	64	198564	135.033	ug/l	99
7) Trichlorofluoromethane	3.27	101	830912	134.544	ug/l	95
8) Diethyl Ether	3.71	74	182020	146.271	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	428391	137.422	ug/l	99
10) Methyl Iodide	4.30	142	554699	166.022	ug/l	98
11) Tert butyl alcohol	5.22	59	93577	615.232	ug/l #	92
12) 1,1-Dichloroethene	4.07	96	403751	140.807	ug/l	96
13) Acrolein	3.93	56	108676	995.728	ug/l	96
14) Allyl chloride	4.71	41	459274	149.657	ug/l	98
15) Acrylonitrile	5.43	53	330001	717.393	ug/l	98
16) Acetone	4.16	43	327933	729.517	ug/l	99
17) Carbon Disulfide	4.41	76	1238236	140.925	ug/l	100
18) Methyl Acetate	4.71	43	129273	139.166	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	863702	152.706	ug/l	95
20) Methylene Chloride	4.97	84	419035	131.965	ug/l	97
21) trans-1,2-Dichloroethene	5.48	96	462453	138.469	ug/l	97
22) Diisopropyl ether	6.37	45	865950	144.800	ug/l	99
23) Vinyl Acetate	6.31	43	2517481	802.672	ug/l	100
24) 1,1-Dichloroethane	6.27	63	692978	141.643	ug/l	99
25) 2-Butanone	7.22	43	357433	744.149	ug/l	93
26) 2,2-Dichloropropane	7.21	77	724441	140.302	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	498315	143.750	ug/l	98
28) Bromochloromethane	7.55	49	263966	151.682	ug/l	97
29) Tetrahydrofuran	7.57	42	219819	764.013	ug/l	98
30) Chloroform	7.71	83	819914	140.476	ug/l	100
31) Cyclohexane	7.99	56	565054	129.695	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	834487	138.569	ug/l	99
36) 1,1-Dichloropropene	8.11	75	616803	141.866	ug/l	98
37) Ethyl Acetate	7.30	43	162451	143.923	ug/l	100
38) Carbon Tetrachloride	8.10	117	792671	140.322	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	762247	148.957	ug/l	95
40) Benzene	8.36	78	1644783	139.659	ug/l	98
41) Methacrylonitrile	7.53	41	103126	181.634	ug/l	89
42) 1,2-Dichloroethane	8.43	62	510084	140.182	ug/l	100
43) Isopropyl Acetate	8.46	43	336427	150.706	ug/l	98
44) Trichloroethene	9.12	130	540808	139.657	ug/l	94
45) 1,2-Dichloropropane	9.39	63	359384	141.141	ug/l	96
46) Dibromomethane	9.48	93	224770	138.833	ug/l	99
47) Bromodichloromethane	9.67	83	622233	141.402	ug/l	95
48) Methyl methacrylate	9.46	41	180376	156.494	ug/l	96
49) 1,4-Dioxane	9.47	88	45538	2770.690	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	788416	738.477	ug/l	99
52) Toluene	10.41	92	1127796	142.971	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	561529	148.994	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	652146	145.641	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	300210	140.145	ug/l	99
56) Ethyl methacrylate	10.67	69	343961	155.490	ug/l	99
57) 1,3-Dichloropropane	10.95	76	497490	144.322	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	758008	734.807	ug/l	99
59) 2-Hexanone	10.99	43	567794	760.624	ug/l	100
60) Dibromochloromethane	11.14	129	448963	141.683	ug/l	99
61) 1,2-Dibromoethane	11.25	107	301896	140.421	ug/l	96
64) Tetrachloroethene	10.88	164	455712	134.469	ug/l	99
65) Chlorobenzene	11.68	112	1225171	138.992	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	487824	140.415	ug/l	99
67) Ethyl Benzene	11.75	91	2193398	145.416	ug/l	97
68) m/p-Xylenes	11.86	106	1671075	284.768	ug/l	99
69) o-Xylene	12.18	106	769495	146.871	ug/l	99
70) Styrene	12.20	104	1302510	142.670	ug/l	98
71) Bromoform	12.37	173	256067	144.520	ug/l #	100
73) Isopropylbenzene	12.48	105	2147344	150.146	ug/l	100
74) N-amyl acetate	12.30	43	303097	161.062	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	280893	144.034	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	404202	289.646	ug/l #	100
77) Bromobenzene	12.77	156	512600	145.944	ug/l	99
78) n-propylbenzene	12.83	91	2411854	147.436	ug/l	100
79) 2-Chlorotoluene	12.91	91	1378411	148.337	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1820104	148.979	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	97660	148.526	ug/l	97
82) 4-Chlorotoluene	13.01	91	1445219	145.012	ug/l	99
83) tert-Butylbenzene	13.23	119	1594202	153.967	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1807048	148.592	ug/l	100
85) sec-Butylbenzene	13.41	105	2098871	150.160	ug/l	99
86) p-Isopropyltoluene	13.52	119	1988804	147.343	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	960740	143.352	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	937641	138.168	ug/l	99
89) n-Butylbenzene	13.85	91	1756240	150.636	ug/l	99
90) Hexachloroethane	14.12	117	386018	151.865	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	827347	142.638	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	53657	155.397	ug/l	99

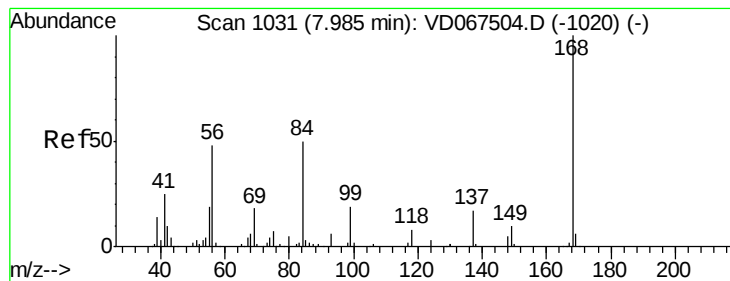
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	594378	150.980	ug/l	99
94) Hexachlorobutadiene	15.27	225	373750	141.853	ug/l	99
95) Naphthalene	15.41	128	1011200	166.441	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	507260	150.468	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

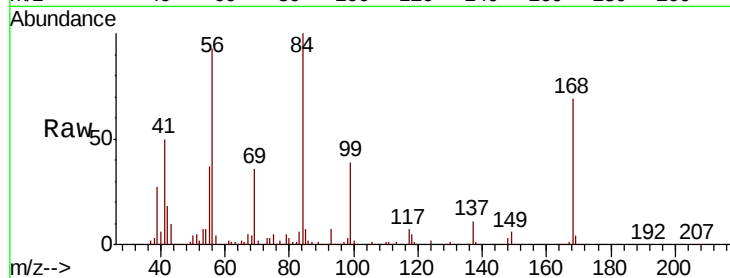
VSTDICC150

Tot Ion:168 Resp: 343545

Ion Ratio Lower Upper

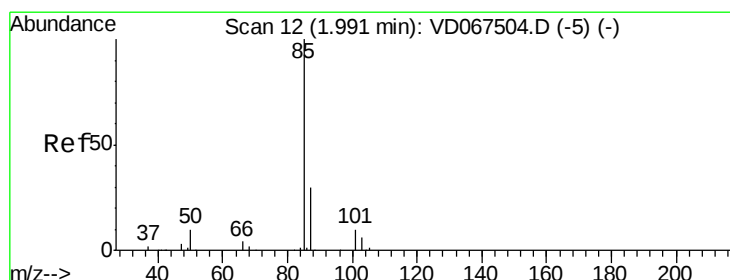
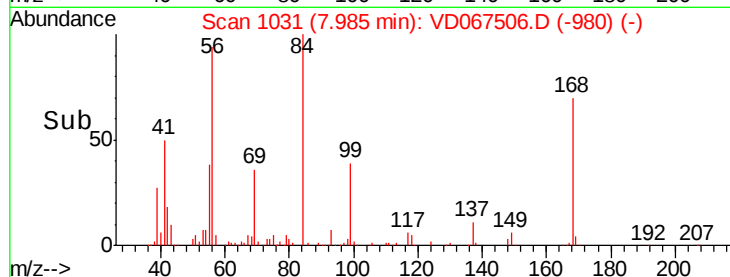
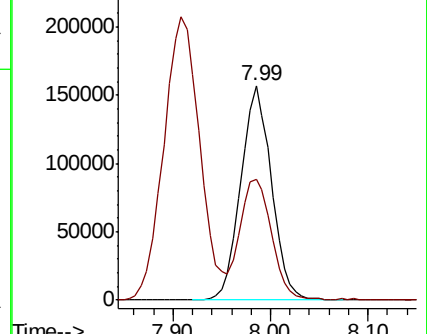
168 100

99 55.8 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: 123.886 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067506.D

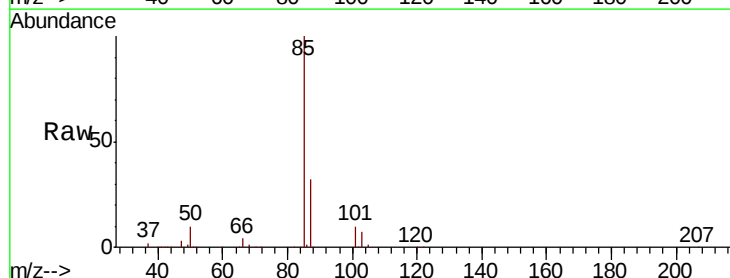
Acq: 03 Nov 2020 12:30

Tgt Ion: 85 Resp: 389182

Ion Ratio Lower Upper

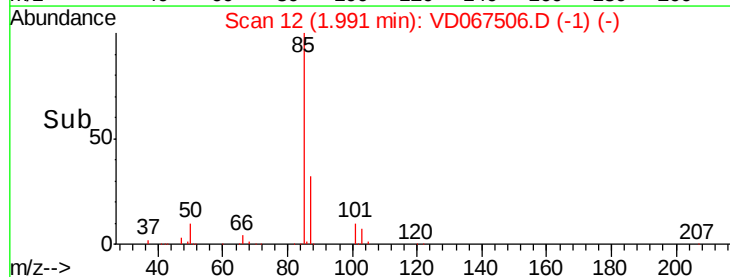
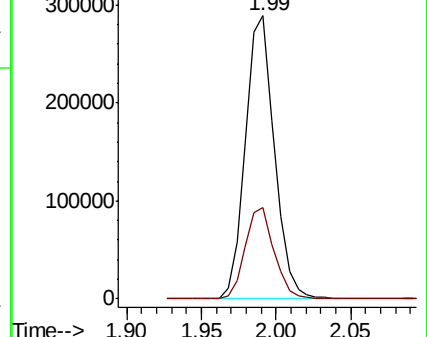
85 100

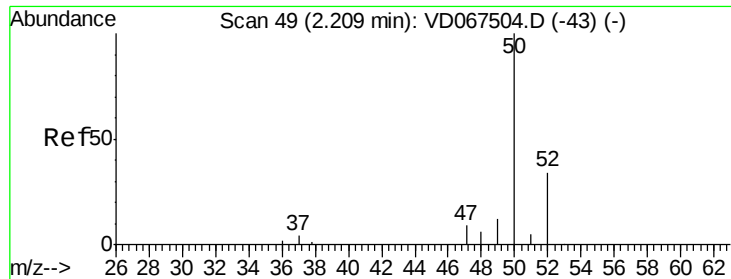
87 32.4 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 136.366 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

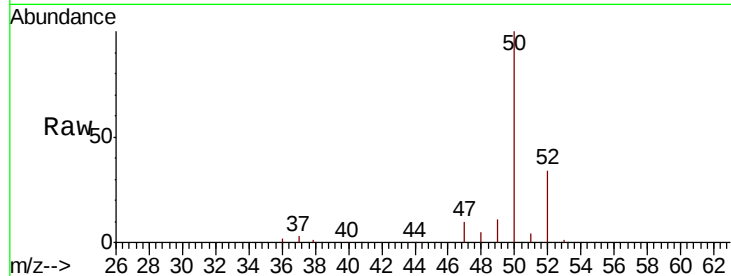
VSTDIC150

Tot Ion: 50 Resp: 291732

Ion Ratio Lower Upper

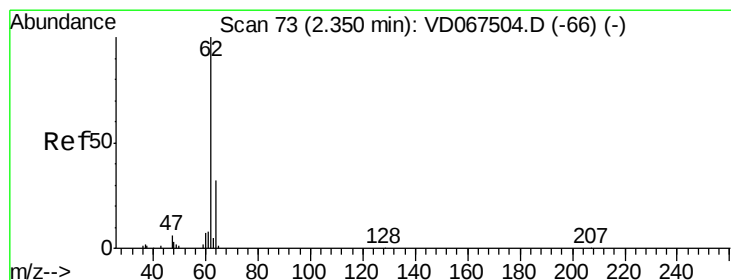
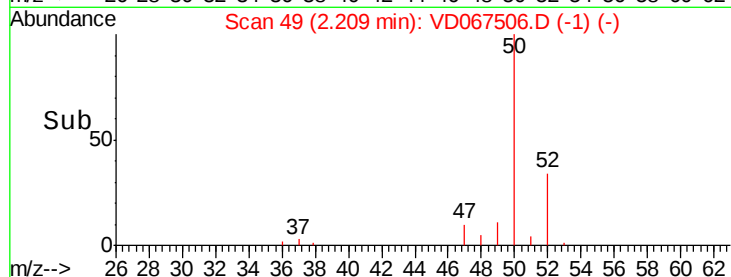
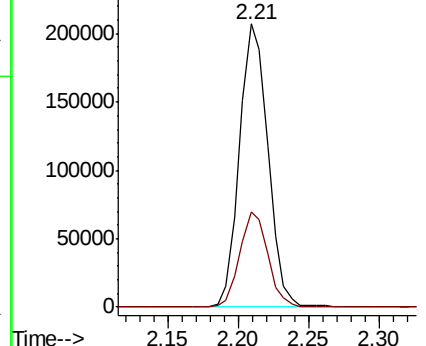
50 100

52 33.8 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 135.549 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067506.D

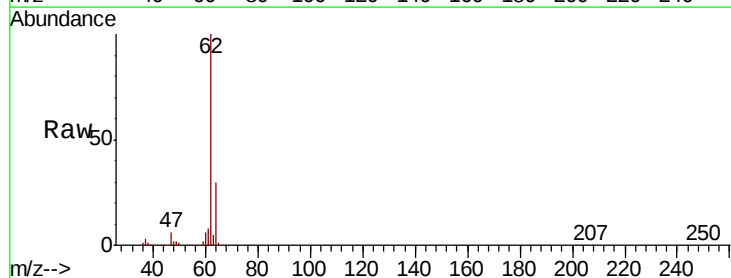
Acq: 03 Nov 2020 12:30

Tgt Ion: 62 Resp: 323304

Ion Ratio Lower Upper

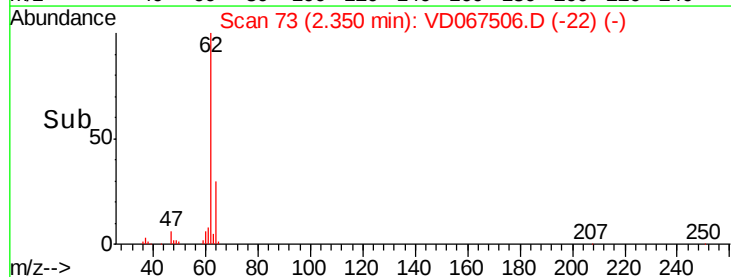
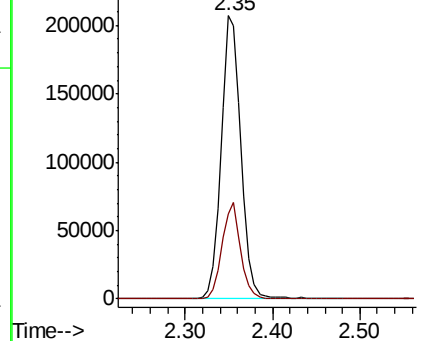
62 100

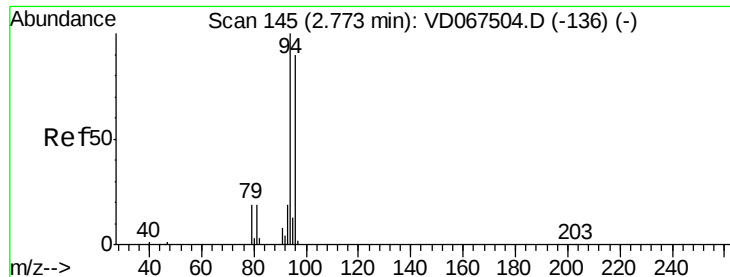
64 29.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 130.045 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

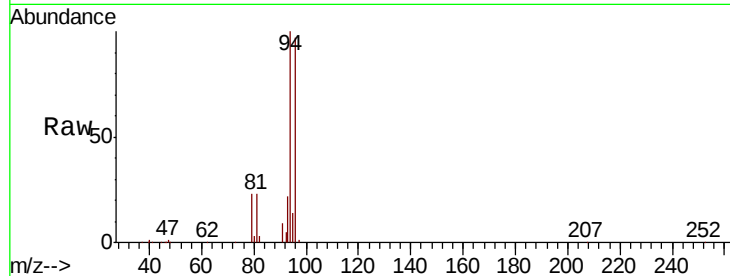
VSTDIC150

Tot Ion: 94 Resp: 251405

Ion Ratio Lower Upper

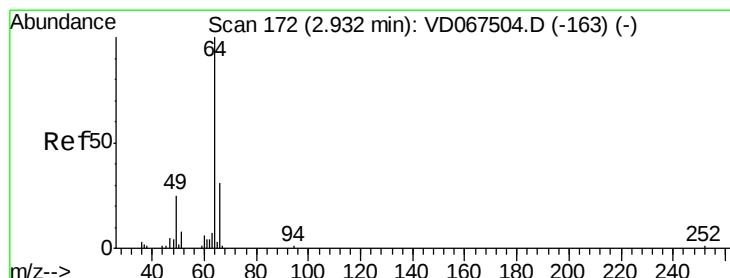
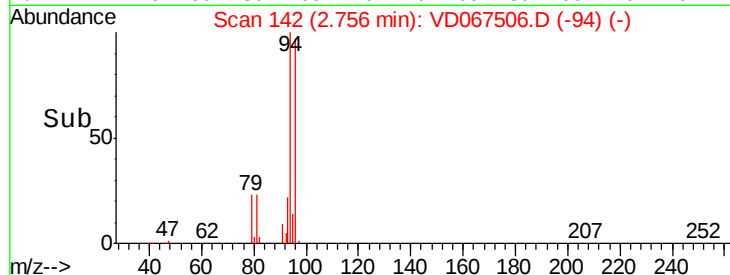
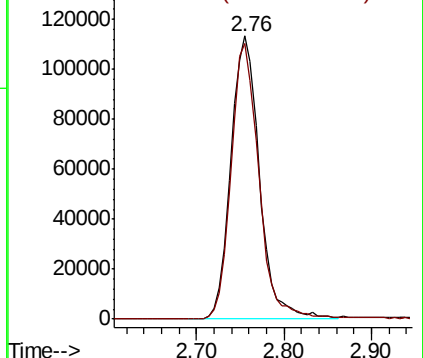
94 100

96 97.3 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: 135.033 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD067506.D

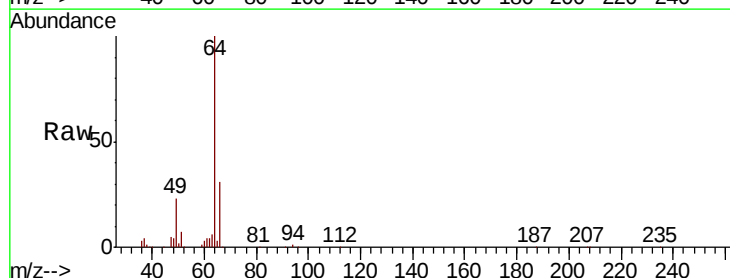
Acq: 03 Nov 2020 12:30

Tgt Ion: 64 Resp: 198564

Ion Ratio Lower Upper

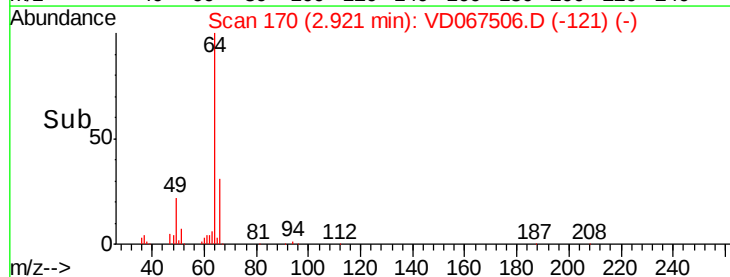
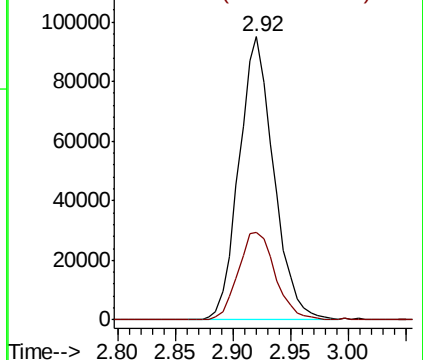
64 100

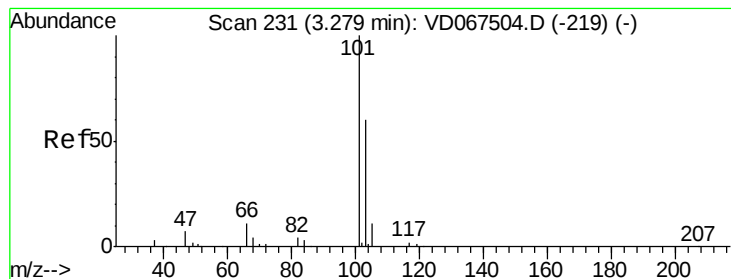
66 31.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



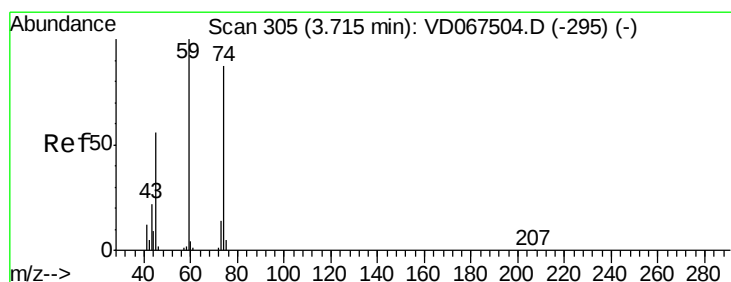
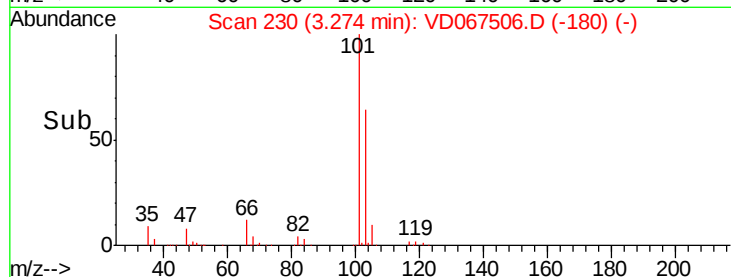
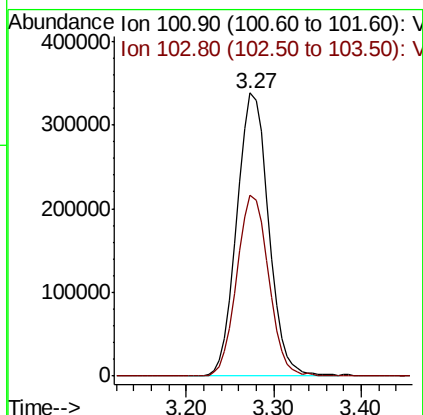
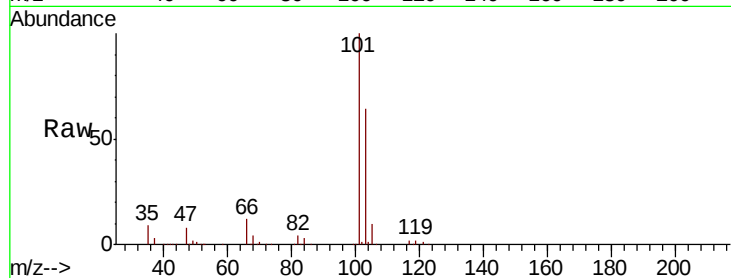


#7

Trichlorofluoromethane
Concen: 134.544 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.01 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

Instrument :
MSVOA_D
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VSTDIC150

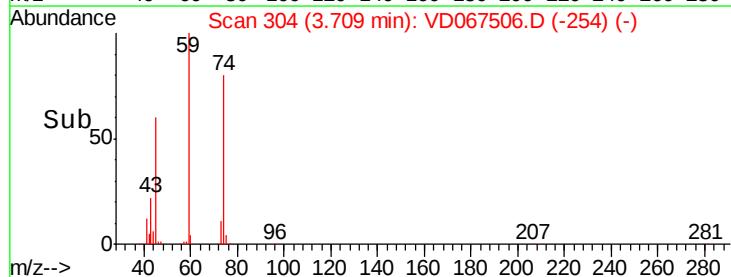
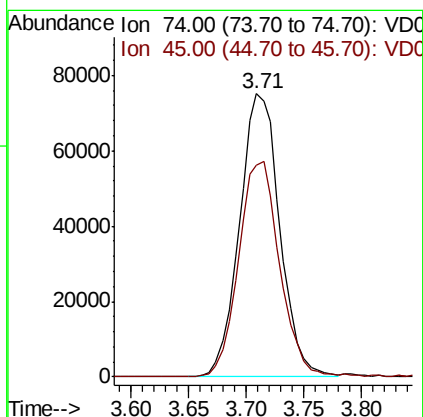
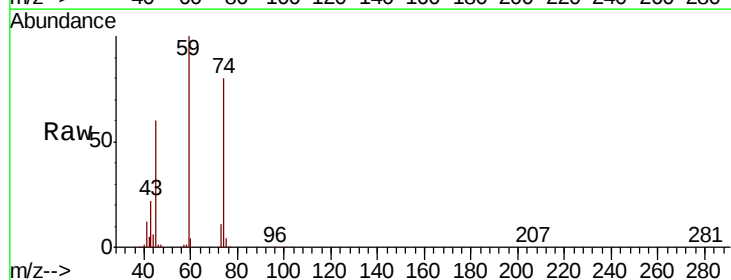
Tot Ion:101 Resp: 830912
Ion Ratio Lower Upper
101 100
103 64.2 48.1 72.1

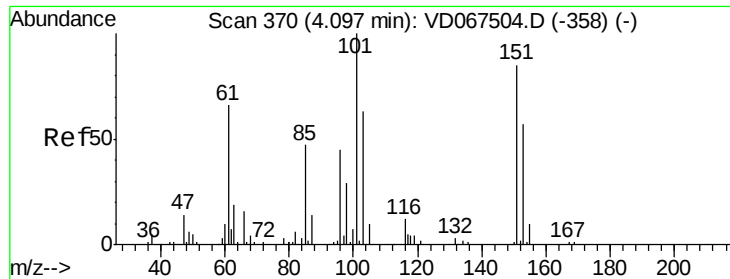


#8

Diethyl Ether
Concen: 146.271 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.01 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

Tgt Ion: 74 Resp: 182020
Ion Ratio Lower Upper
74 100
45 77.4 38.2 114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 137.422 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

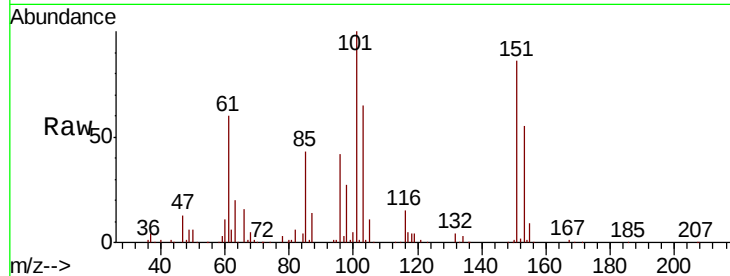
Tot Ion:101 Resp: 428391

Ion Ratio Lower Upper

101 100

85 42.1 34.4 51.6

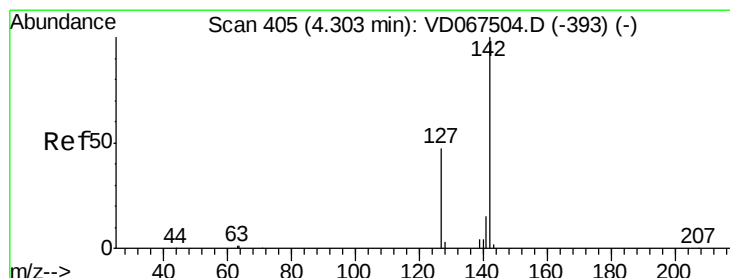
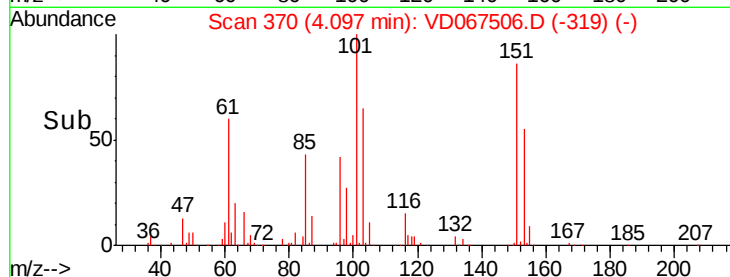
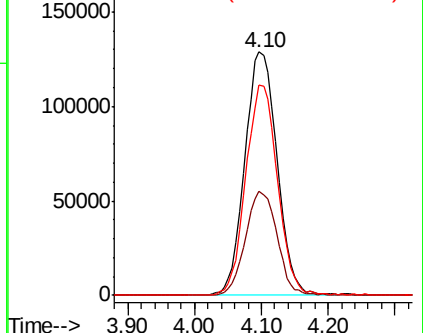
151 84.9 68.1 102.1



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: 166.022 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

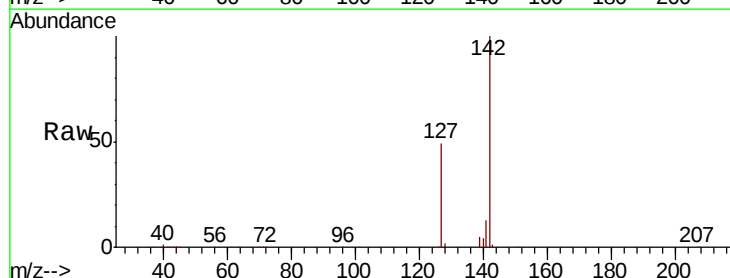
Tgt Ion:142 Resp: 554699

Ion Ratio Lower Upper

142 100

127 48.7 40.0 60.0

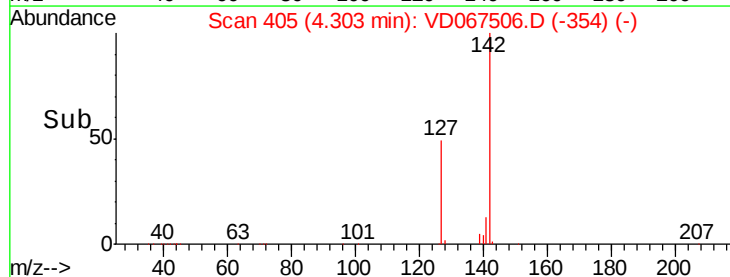
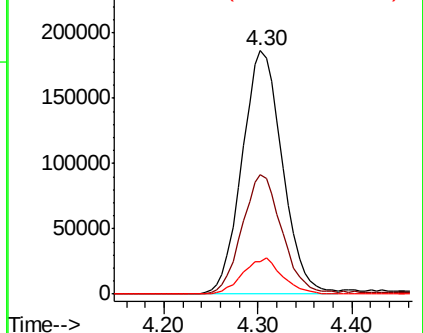
141 14.7 11.7 17.5

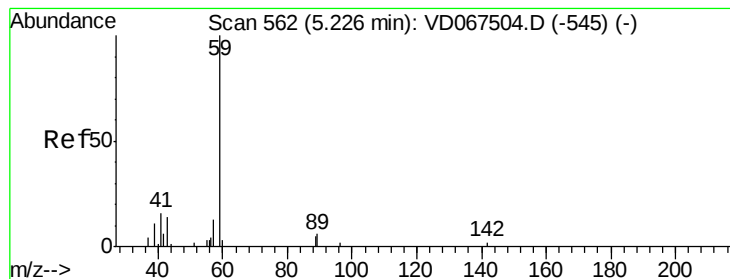


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



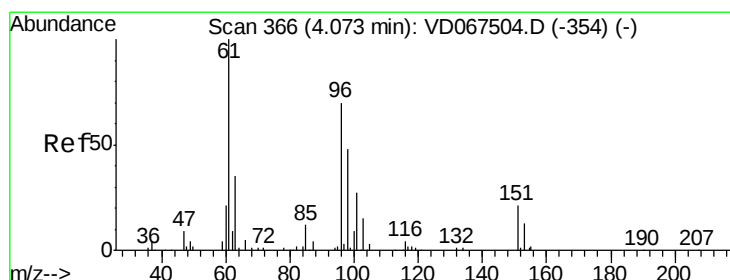
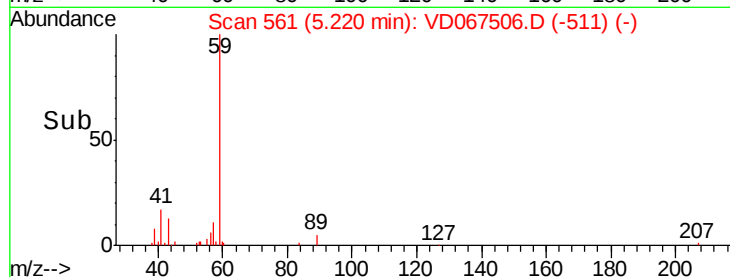
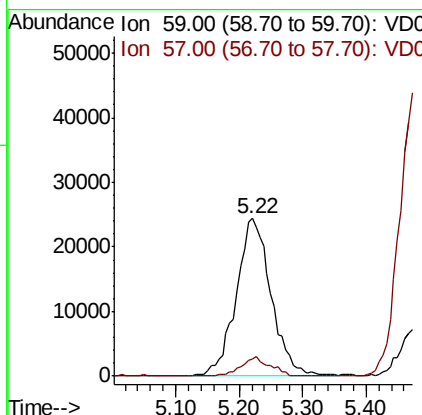
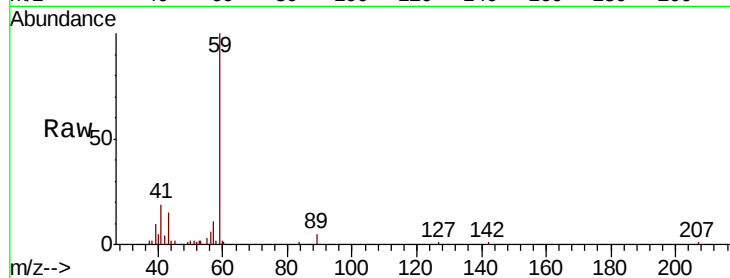


#11

Tert butyl alcohol
 Concen: 615.232 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD067506.D
 Acq: 03 Nov 2020 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

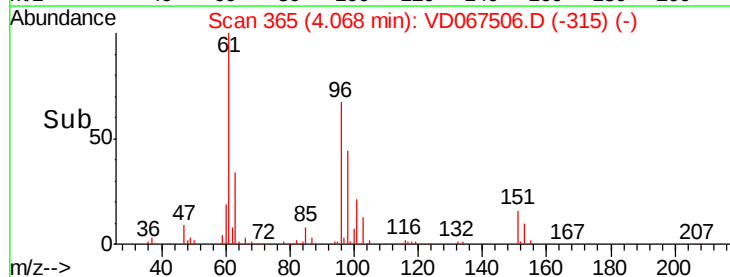
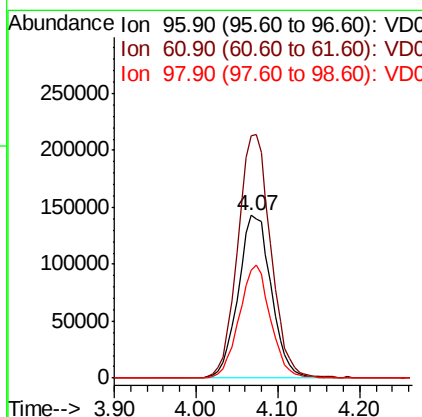
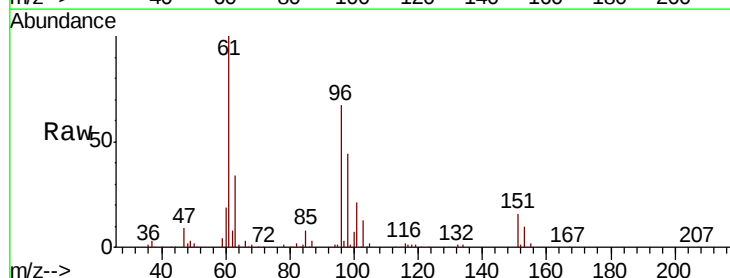
Tot Ion: 59 Resp: 93577
 Ion Ratio Lower Upper
 59 100
 57 10.1 5.9 8.9#

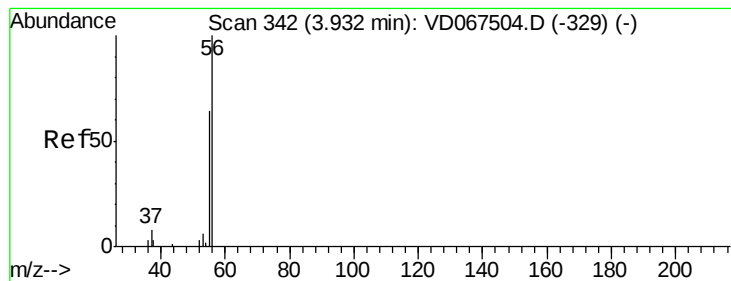


#12

1,1-Dichloroethene
 Concen: 140.807 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VD067506.D
 Acq: 03 Nov 2020 12:30

Tgt Ion: 96 Resp: 403751
 Ion Ratio Lower Upper
 96 100
 61 149.0 114.5 171.7
 98 66.1 54.5 81.7





#13

Acrolein

Concen: 995.728 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.01 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

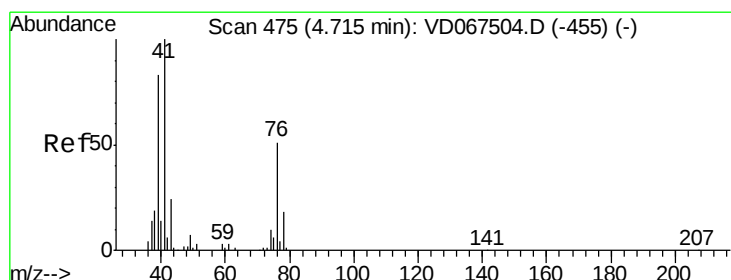
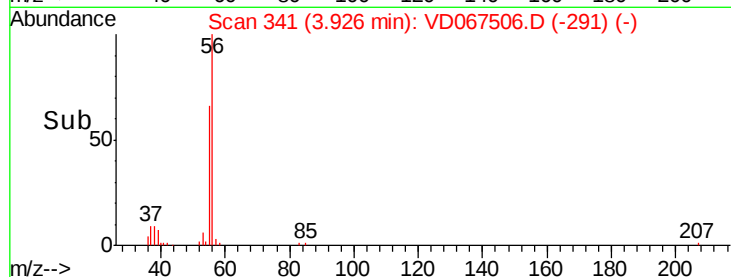
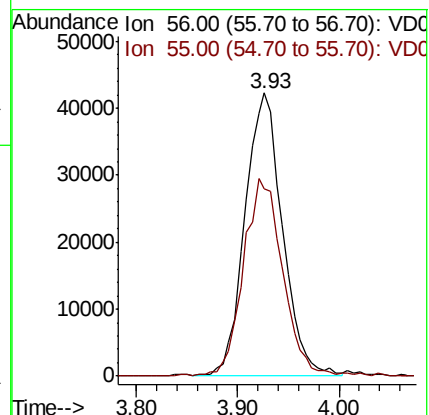
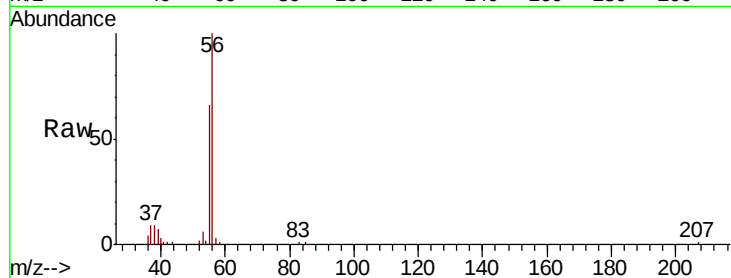
VSTDIC150

Tot Ion: 56 Resp: 108676

Ion Ratio Lower Upper

56 100

55 73.3 55.8 83.8



#14

Allyl chloride

Concen: 149.657 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

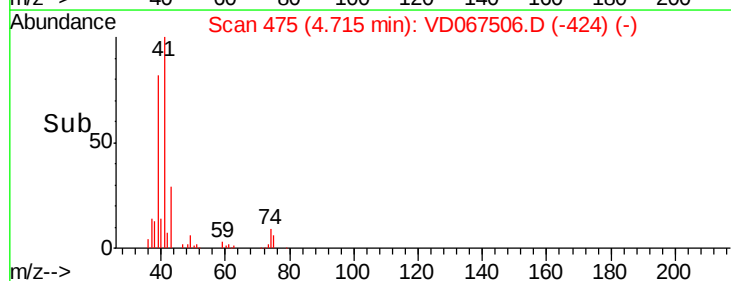
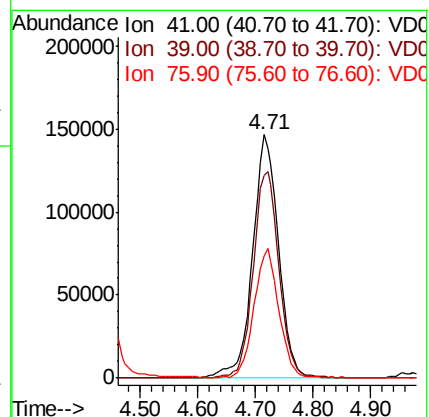
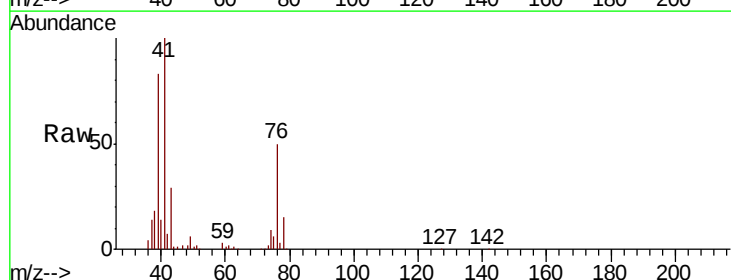
Tgt Ion: 41 Resp: 459274

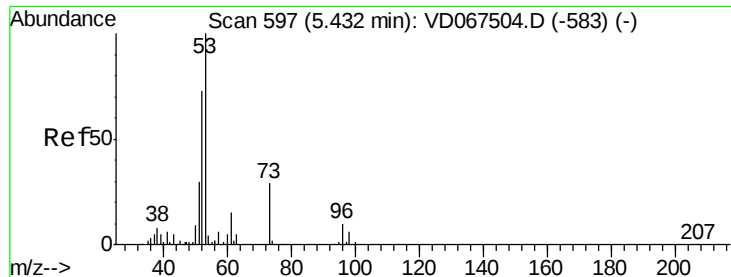
Ion Ratio Lower Upper

41 100

39 84.6 67.4 101.0

76 50.3 42.2 63.2





#15

Acrylonitrile

Concen: 717.393 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

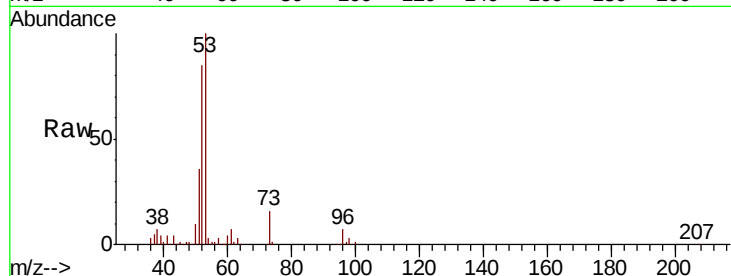
Tot Ion: 53 Resp: 330001

Ion Ratio Lower Upper

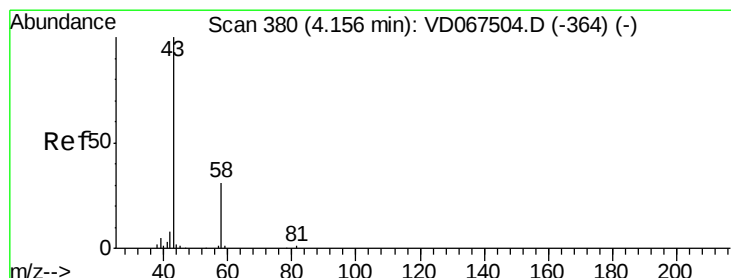
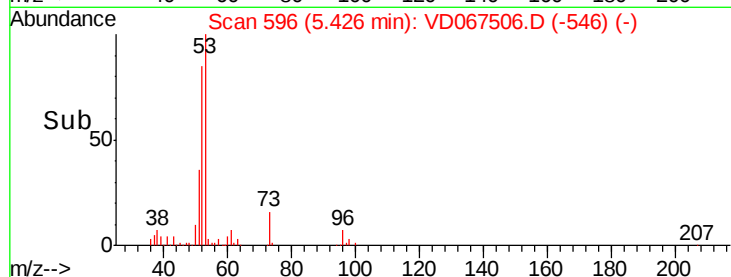
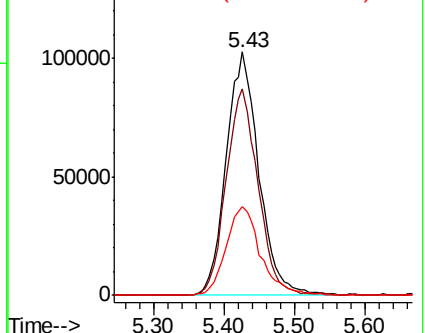
53 100

52 82.8 64.8 97.2

51 38.6 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: 729.517 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067506.D

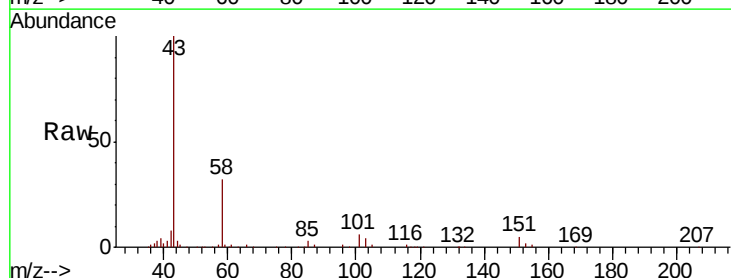
Acq: 03 Nov 2020 12:30

Tgt Ion: 43 Resp: 327933

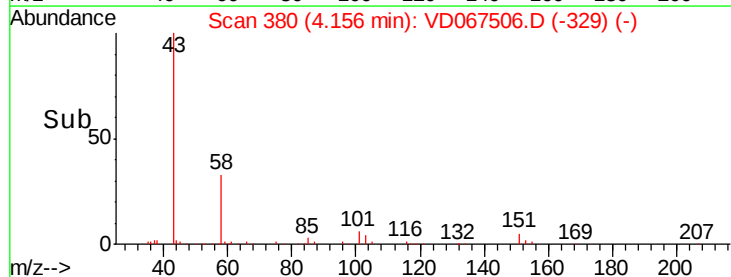
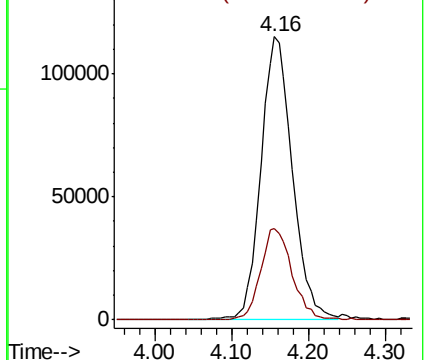
Ion Ratio Lower Upper

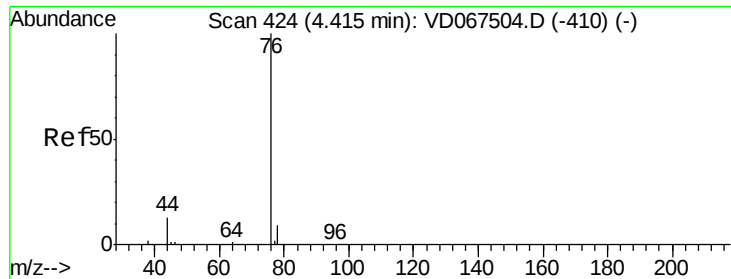
43 100

58 32.2 25.2 37.8



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

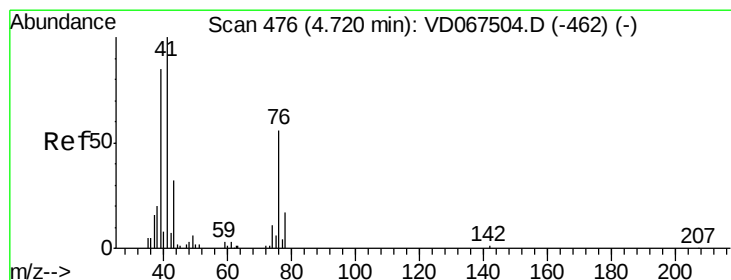
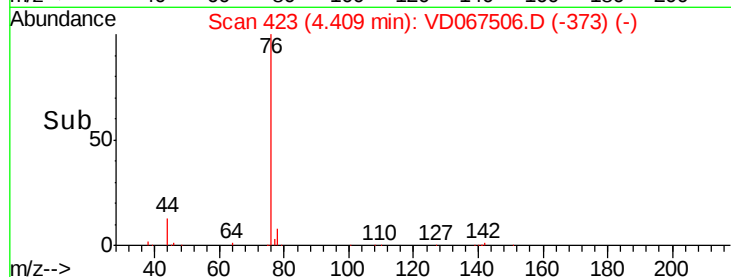
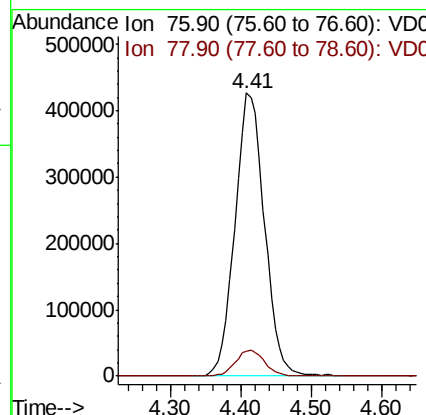
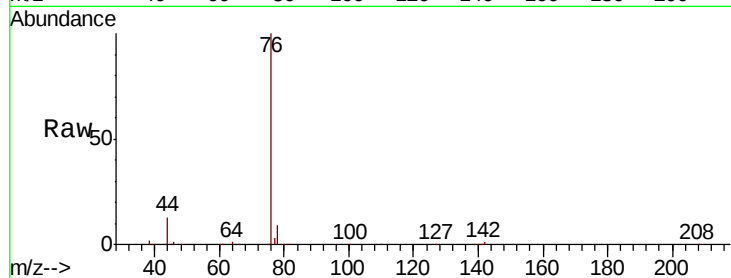




#17
Carbon Disulfide
Concen: 140.925 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

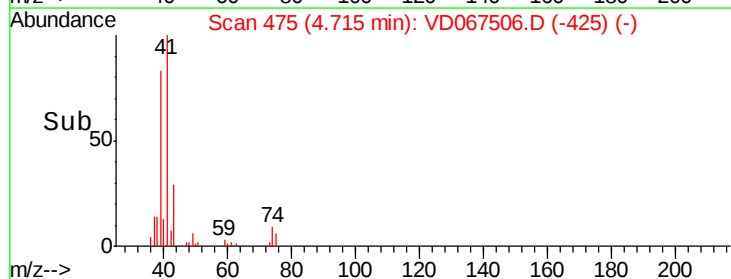
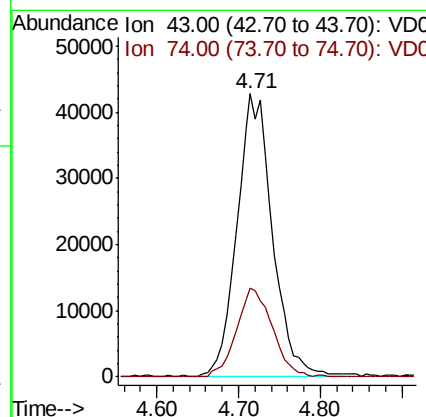
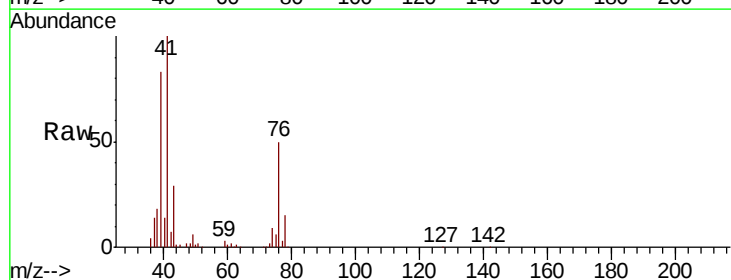
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

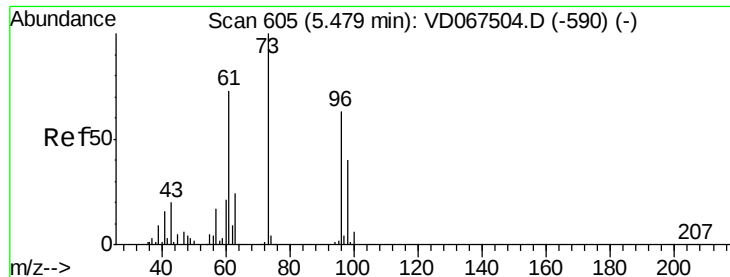
Tot Ion: 76 Resp: 1238236
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8



#18
Methyl Acetate
Concen: 139.166 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

Tgt Ion: 43 Resp: 129273
Ion Ratio Lower Upper
43 100
74 31.5 27.2 40.8

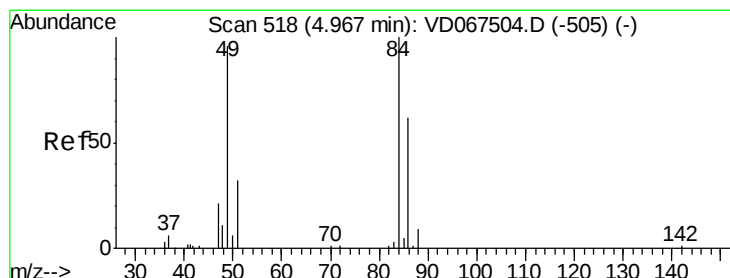
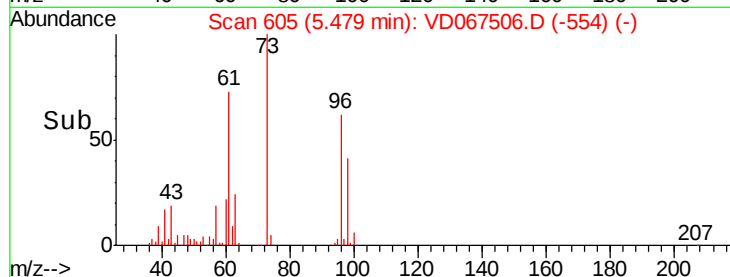
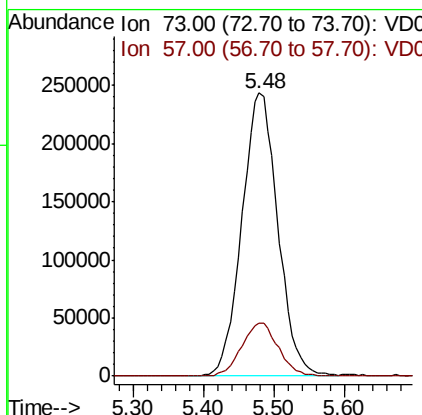
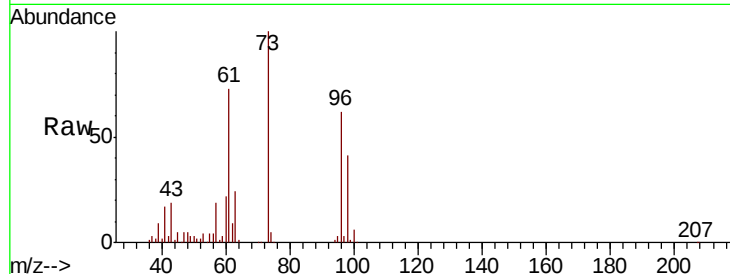




#19
Methvl tert-butvl Ether
Concen: 152.706 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

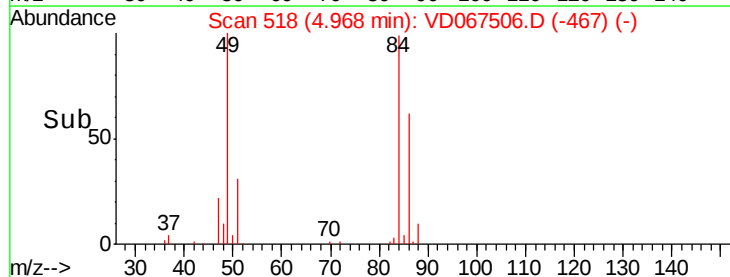
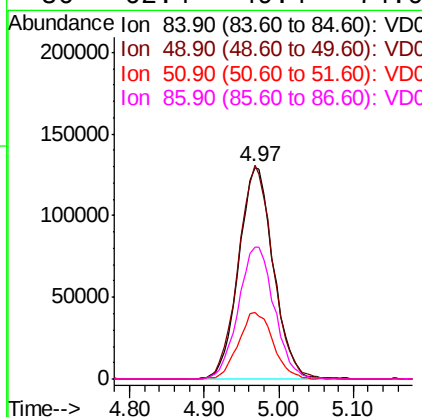
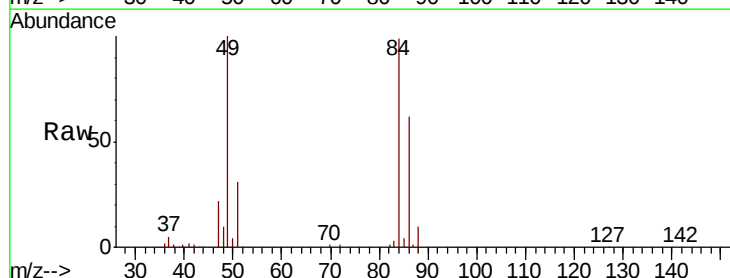
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

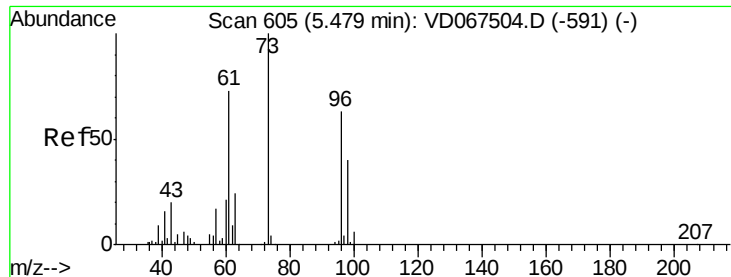
Tot Ion: 73 Resp: 863702
Ion Ratio Lower Upper
73 100
57 18.9 13.4 20.0



#20
Methylene Chloride
Concen: 131.965 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

Tgt Ion: 84 Resp: 419035
Ion Ratio Lower Upper
84 100
49 100.9 77.0 115.4
51 31.3 25.4 38.2
86 62.4 49.4 74.0

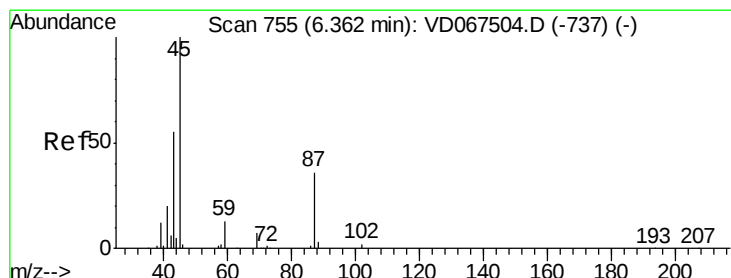
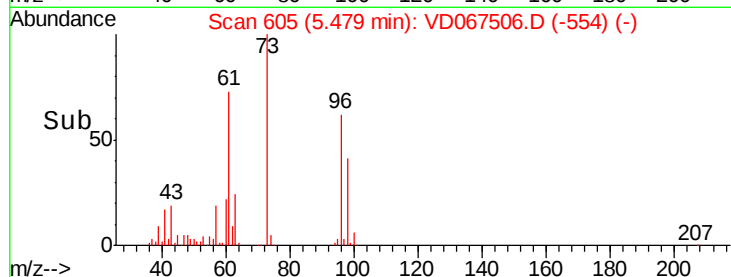
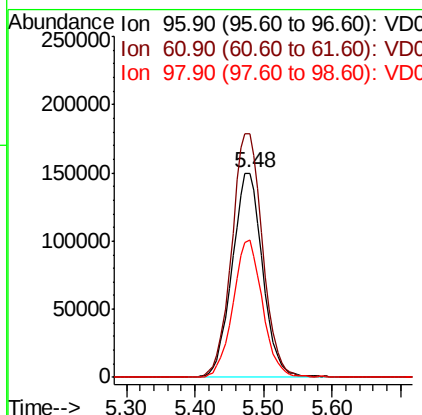
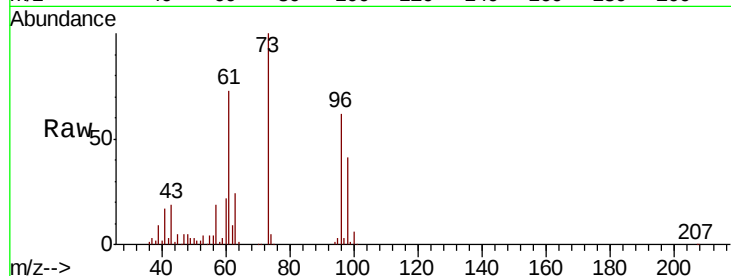




#21
trans-1,2-Dichloroethene
Concen: 138.469 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

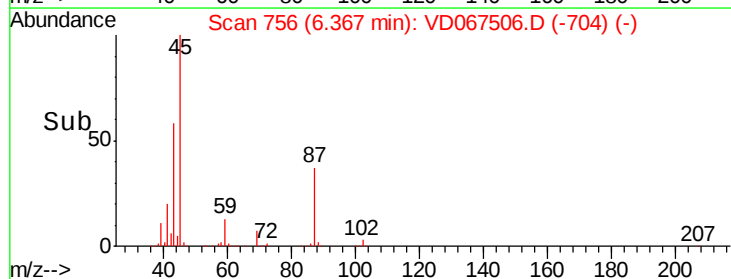
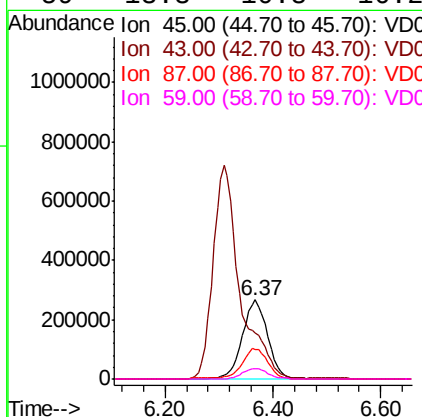
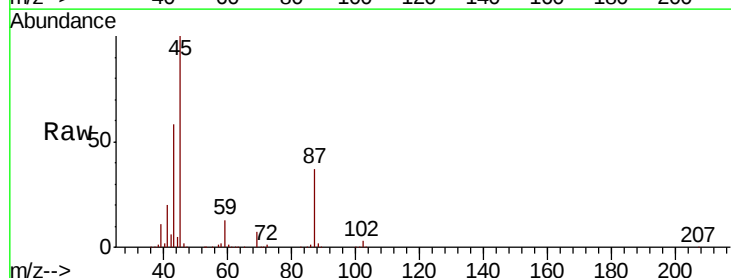
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

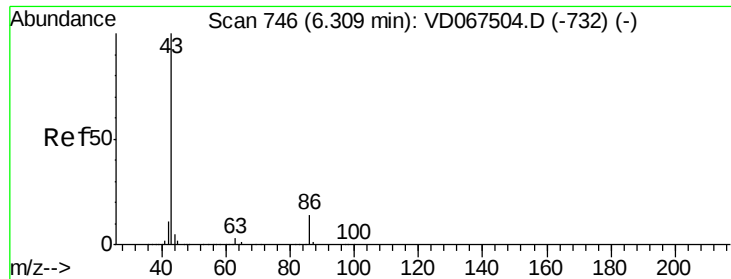
Tot Ion: 96 Resp: 462453
Ion Ratio Lower Upper
96 100
61 119.0 93.0 139.6
98 67.1 50.9 76.3



#22
Diisopropyl ether
Concen: 144.800 ug/l
RT: 6.37 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

Tgt Ion: 45 Resp: 865950
Ion Ratio Lower Upper
45 100
43 57.2 46.2 69.4
87 37.1 29.4 44.2
59 13.3 10.8 16.2





#23

Vinyl Acetate

Concen: 802.672 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

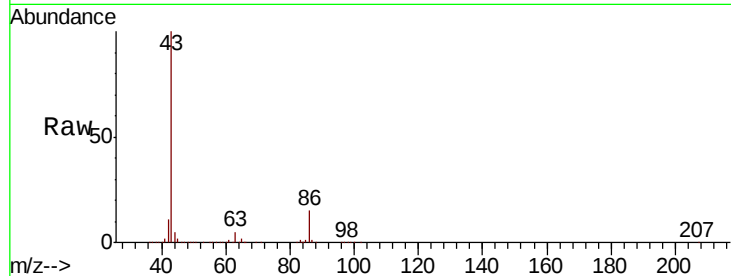
VSTDIC150

Tot Ion: 43 Resp: 2517481

Ion Ratio Lower Upper

43 100

86 14.6 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

800000

600000

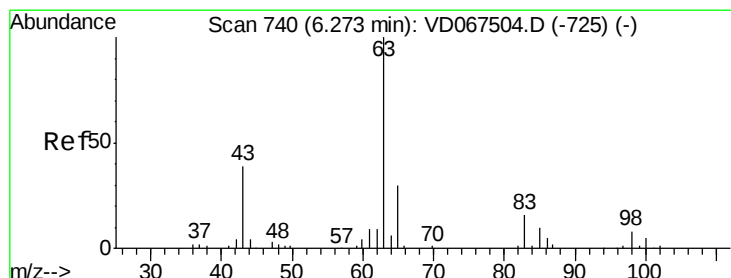
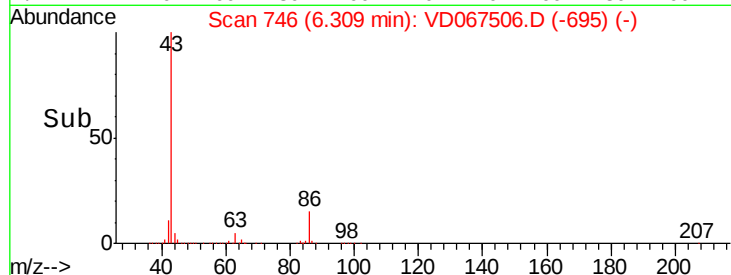
400000

200000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 141.643 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

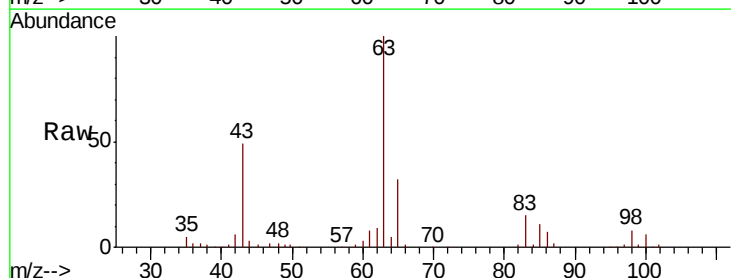
Tgt Ion: 63 Resp: 692978

Ion Ratio Lower Upper

63 100

98 8.0 3.9 11.5

100 5.6 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

300000

250000

200000

150000

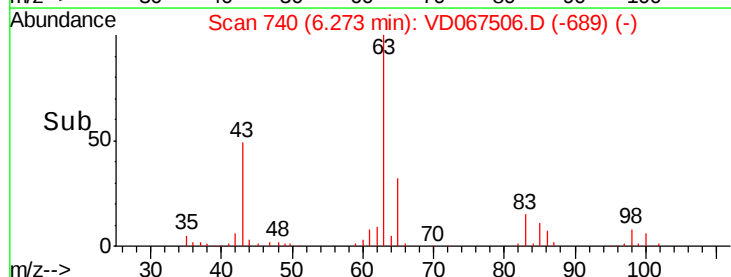
100000

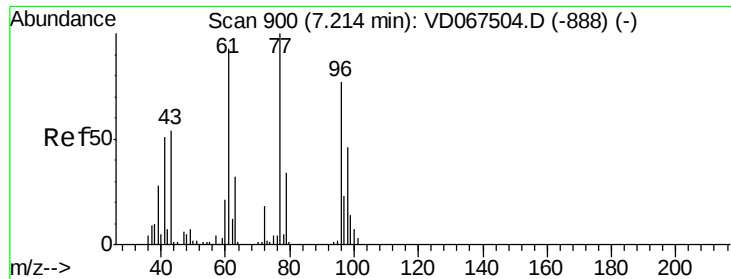
50000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 744.149 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

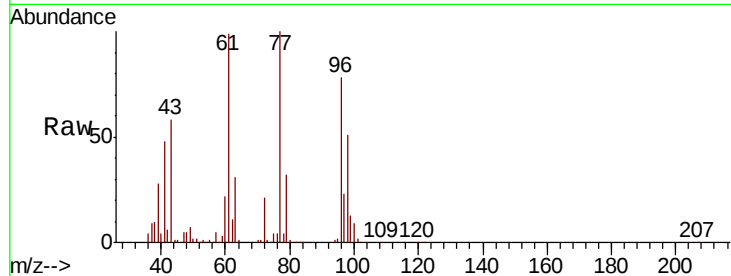
VSTDIC150

Tot Ion: 43 Resp: 357433

Ion Ratio Lower Upper

43 100

72 36.8 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.22

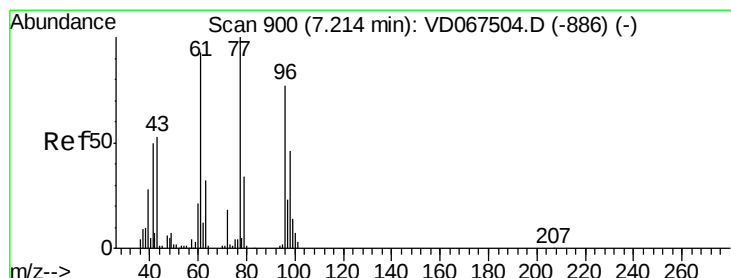
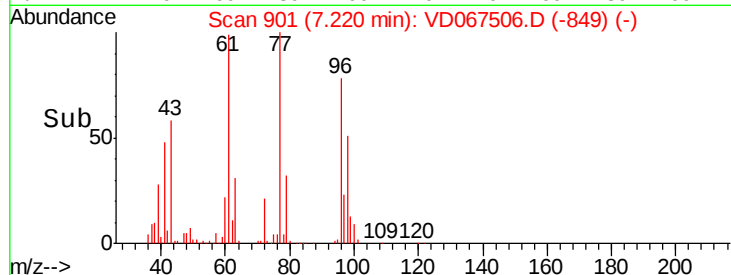
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 140.302 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067506.D

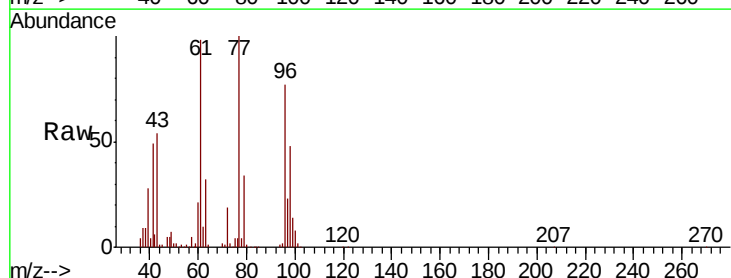
Acq: 03 Nov 2020 12:30

Tgt Ion: 77 Resp: 724441

Ion Ratio Lower Upper

77 100

97 22.5 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

250000

200000

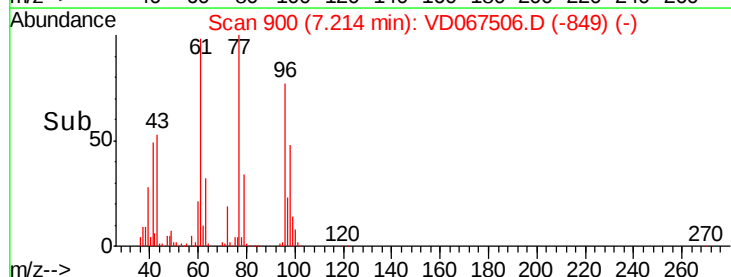
150000

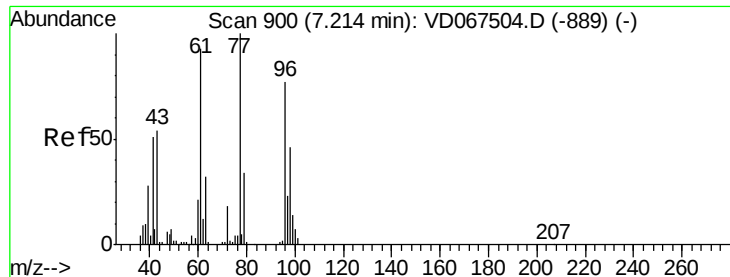
100000

50000

0

Time-->



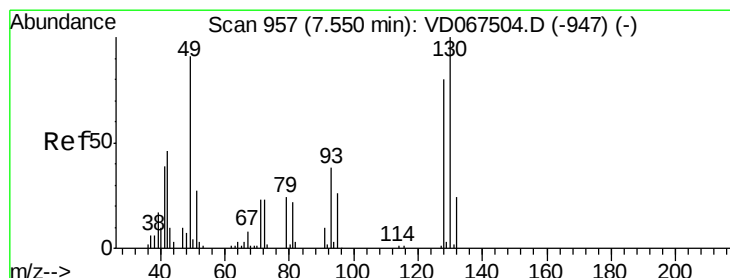
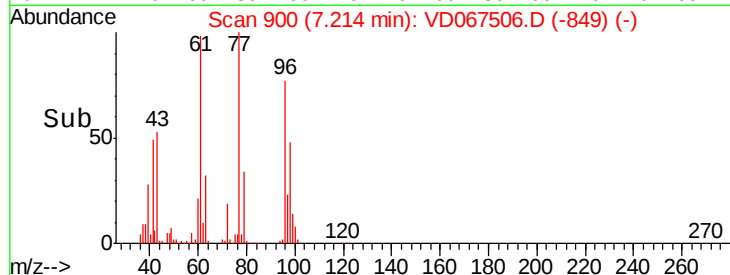
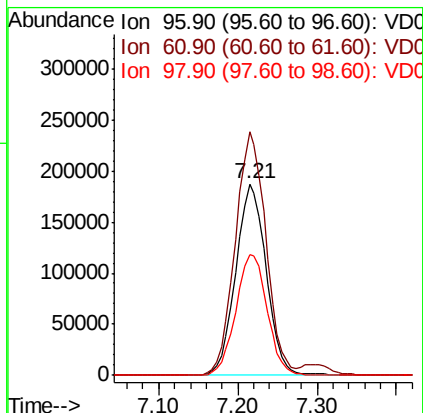
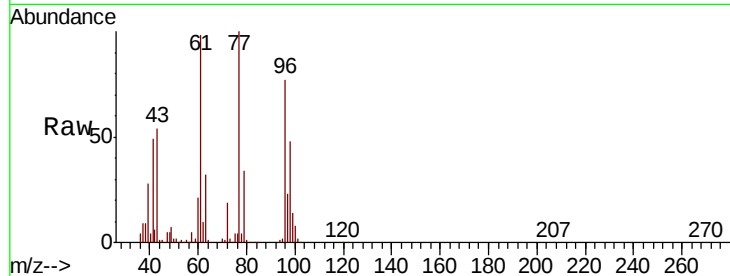


#27

cis-1,2-Dichloroethene
Concen: 143.750 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

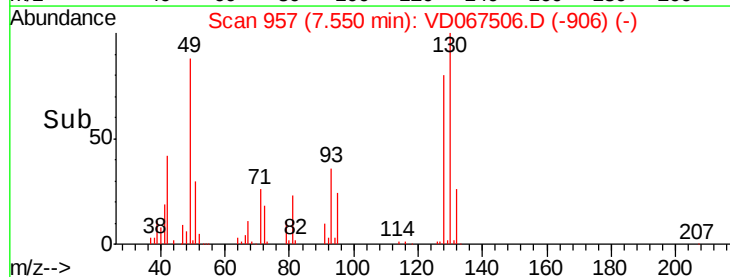
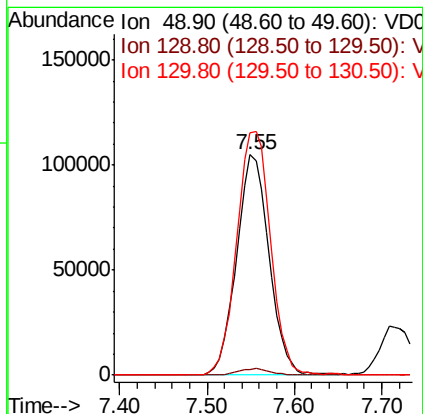
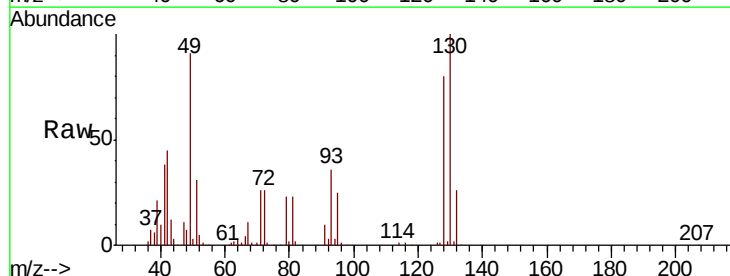
Tot Ion: 96 Resp: 498315
Ion Ratio Lower Upper
96 100
61 128.3 0.0 251.6
98 65.3 0.0 128.0

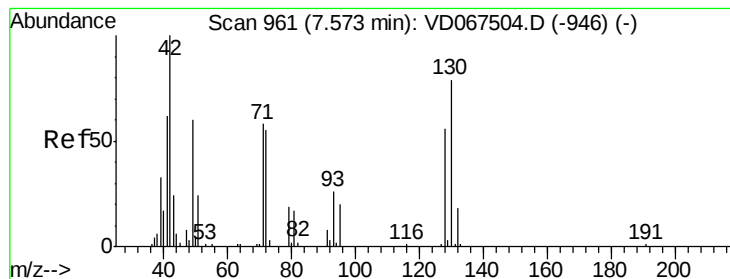


#28

Bromochloromethane
Concen: 151.682 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

Tgt Ion: 49 Resp: 263966
Ion Ratio Lower Upper
49 100
129 3.0 0.0 6.4
130 115.1 94.6 142.0





#29

Tetrahydrofuran

Concen: 764.013 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

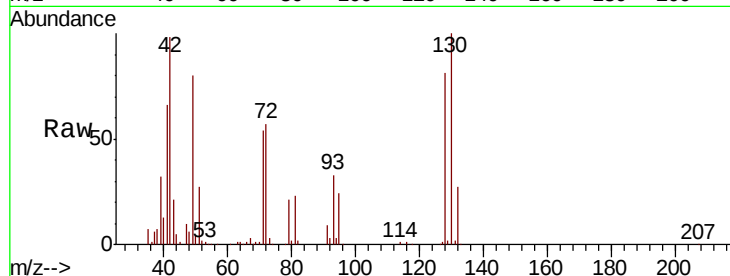
Tot Ion: 42 Resp: 219819

Ion Ratio Lower Upper

42 100

72 56.4 46.3 69.5

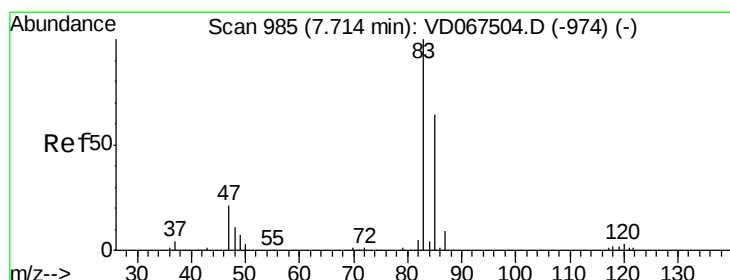
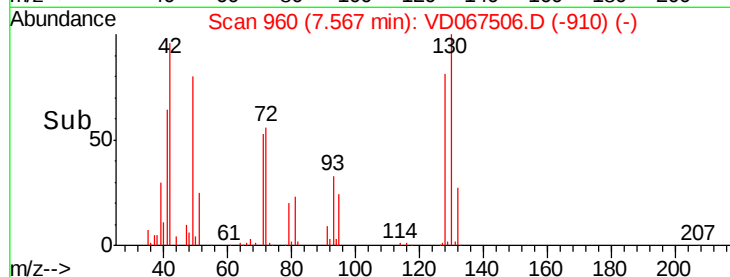
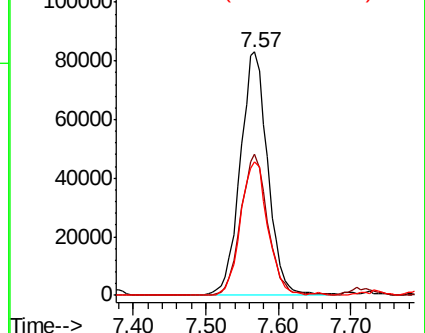
71 54.0 44.0 66.0



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: 140.476 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD067506.D

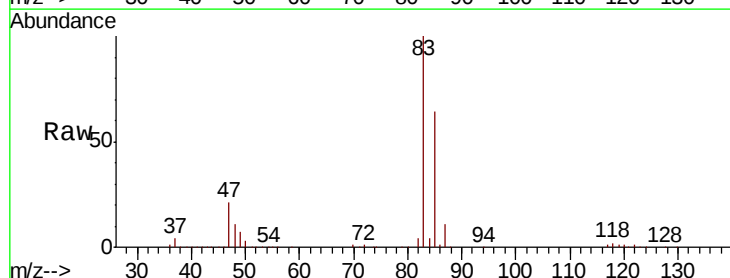
Acq: 03 Nov 2020 12:30

Tgt Ion: 83 Resp: 819914

Ion Ratio Lower Upper

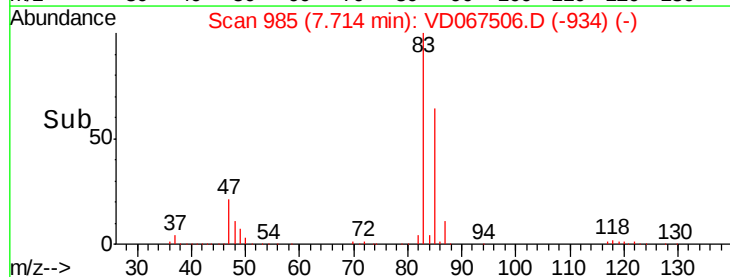
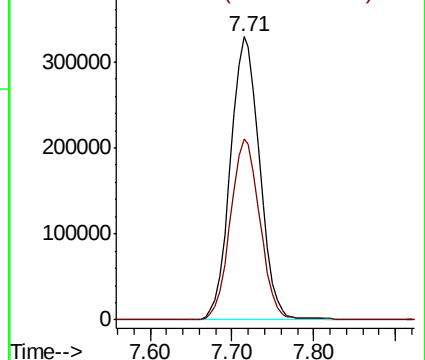
83 100

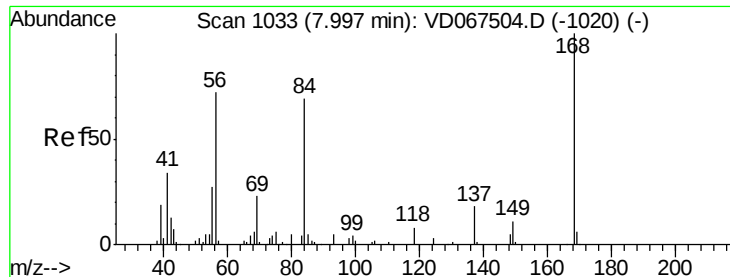
85 64.2 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

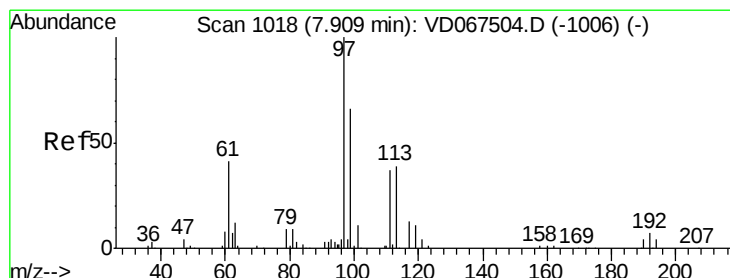
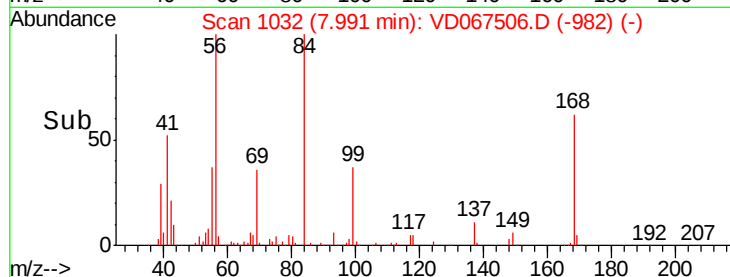
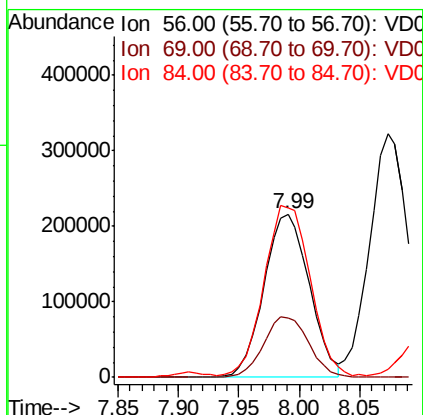
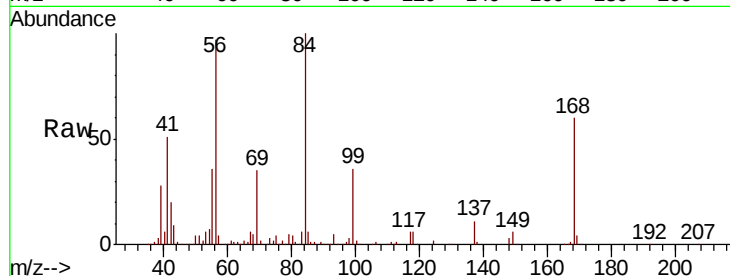




#31
Cyclohexane
Concen: 129.695 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

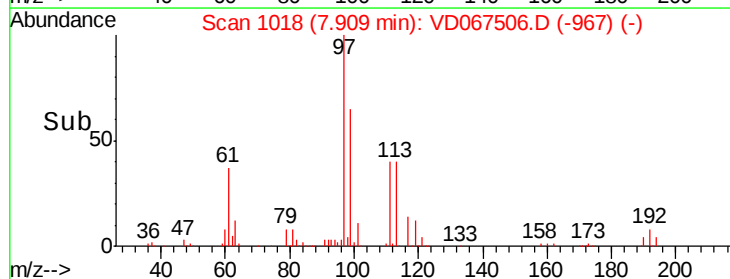
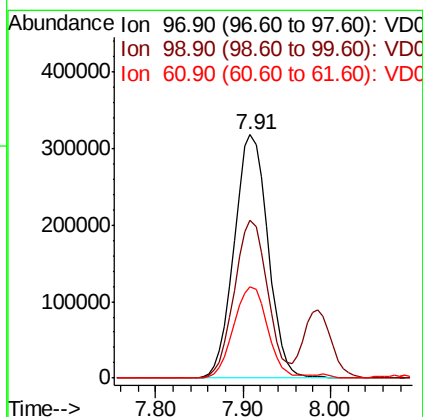
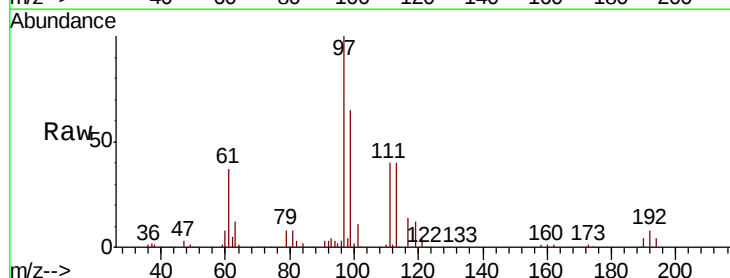
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

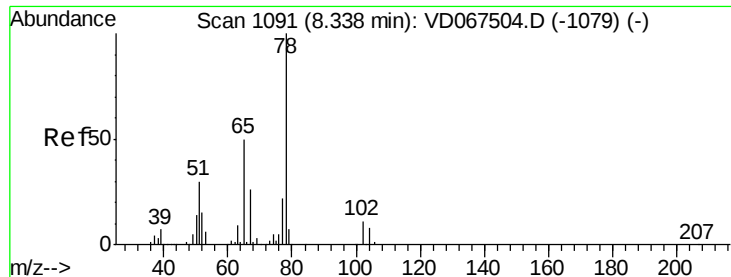
Tot Ion: 56 Resp: 565054
Ion Ratio Lower Upper
56 100
69 36.2 25.9 38.9
84 100.4 76.2 114.4



#32
1,1,1-Trichloroethane
Concen: 138.569 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

Tgt Ion: 97 Resp: 834487
Ion Ratio Lower Upper
97 100
99 64.2 51.8 77.6
61 37.6 30.5 45.7





#33

1,2-Dichloroethane-d4

Concen: 131.347 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

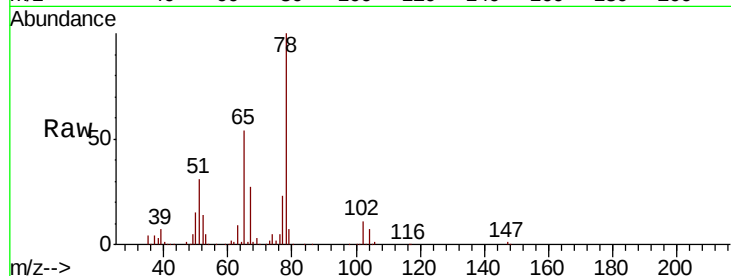
VSTDIC150

Tot Ion: 65 Resp: 394557

Ion Ratio Lower Upper

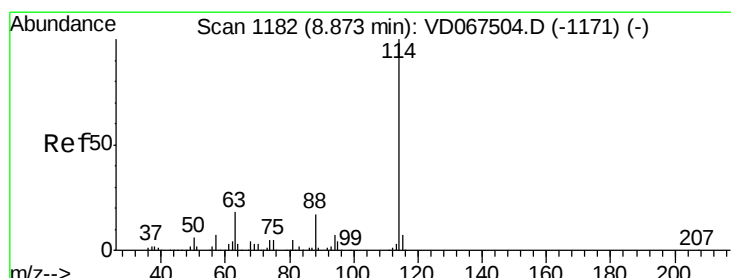
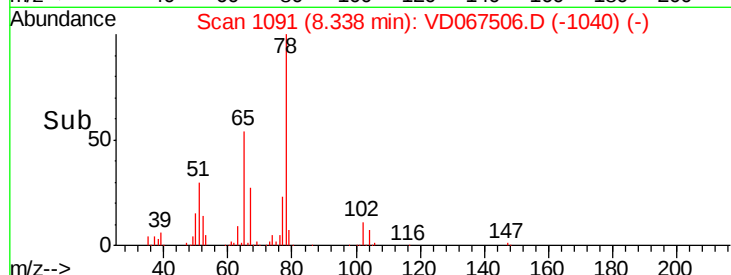
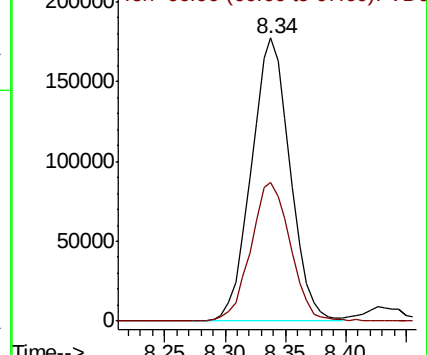
65 100

67 50.1 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

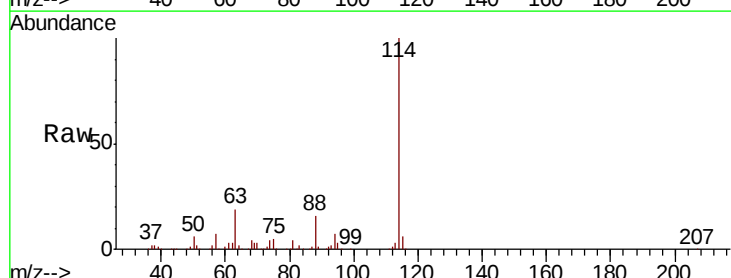
Tgt Ion: 114 Resp: 507927

Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.0

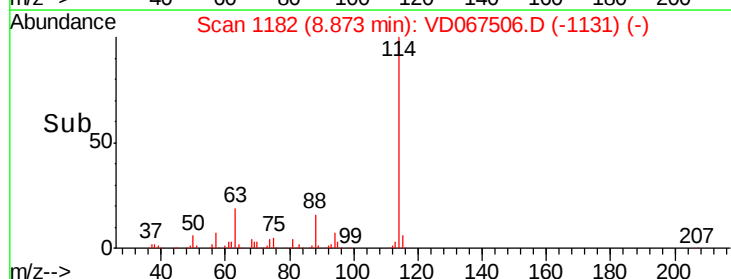
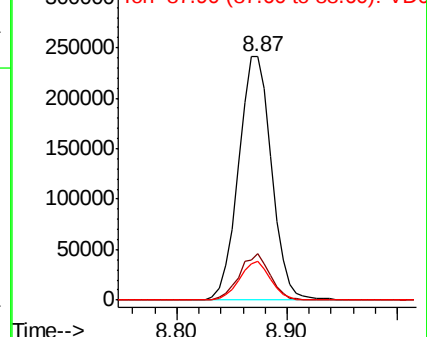
88 15.7 0.0 33.0

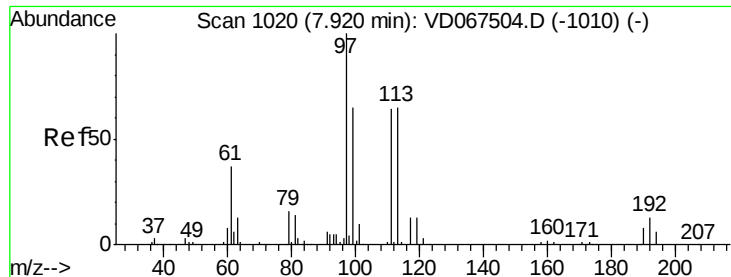


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

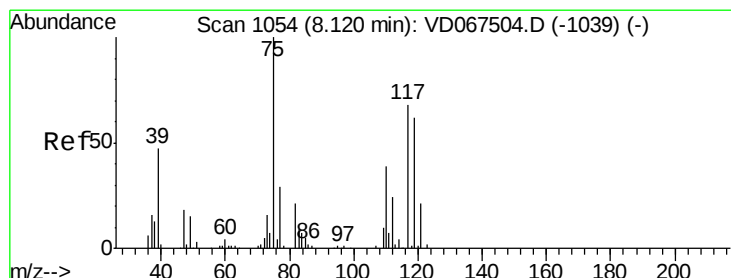
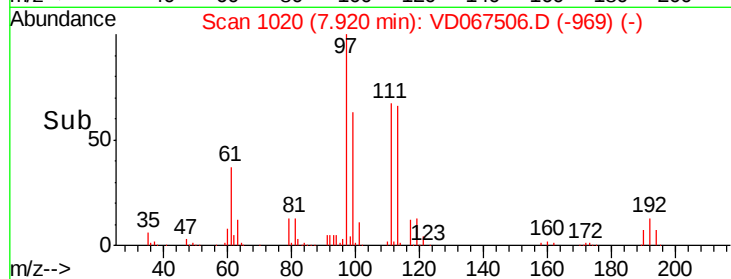
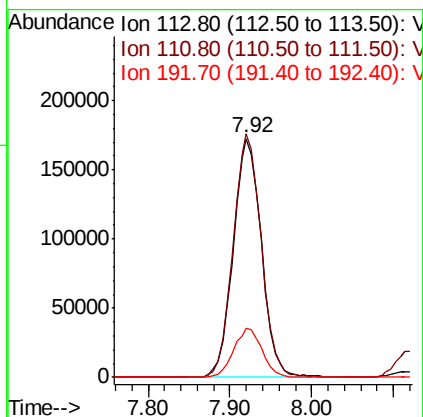
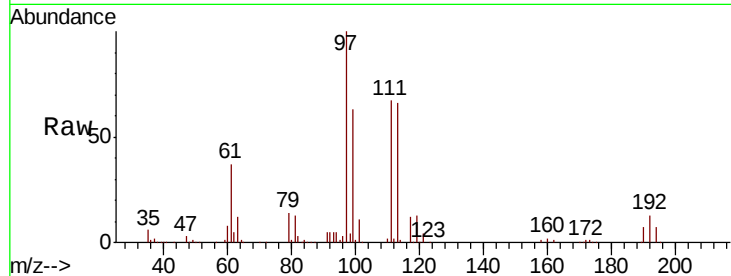




#35
 Dibromofluoromethane
 Concen: 135.332 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067506.D
 Acq: 03 Nov 2020 12:30

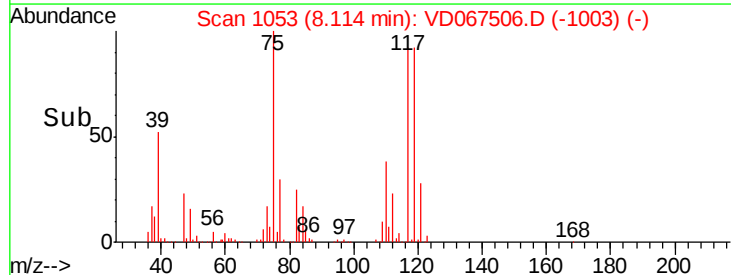
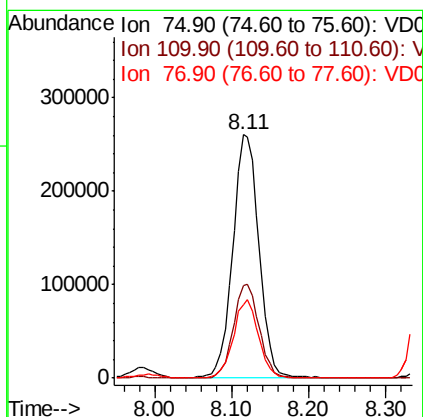
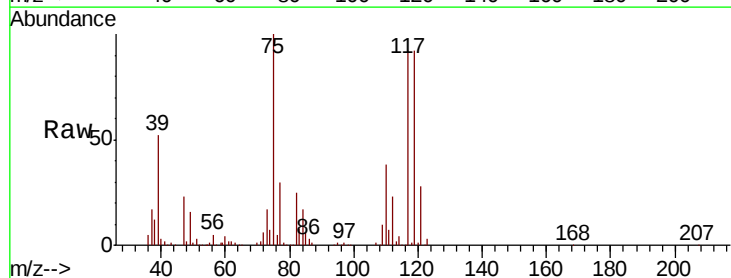
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

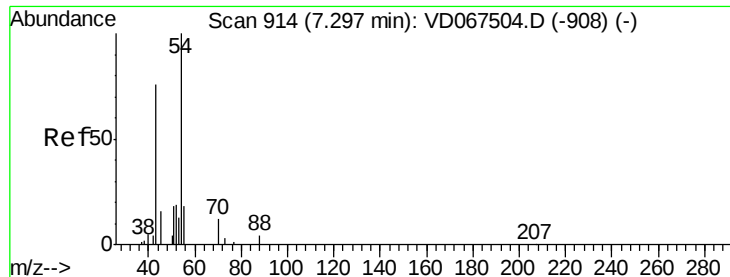
Tot Ion:113 Resp: 414148
 Ion Ratio Lower Upper
 113 100
 111 101.6 80.0 120.0
 192 20.6 16.3 24.5



#36
 1,1-Dichloropropene
 Concen: 141.866 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD067506.D
 Acq: 03 Nov 2020 12:30

Tgt Ion: 75 Resp: 616803
 Ion Ratio Lower Upper
 75 100
 110 37.9 19.9 59.7
 77 31.4 24.8 37.2

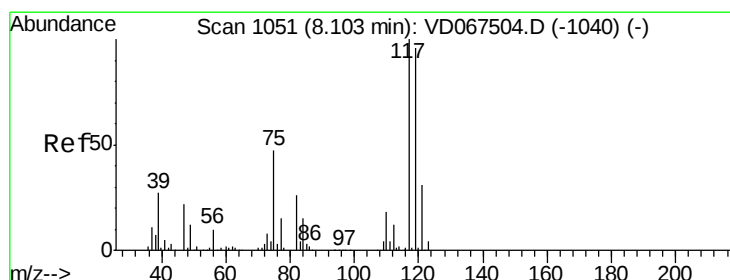
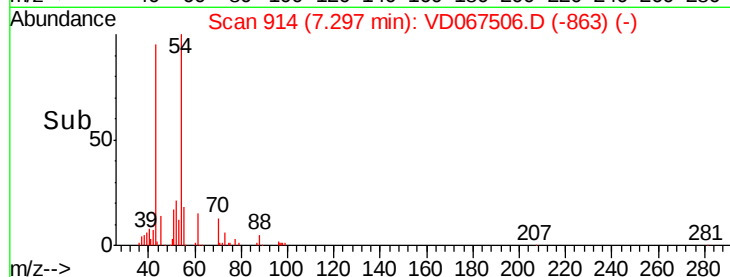
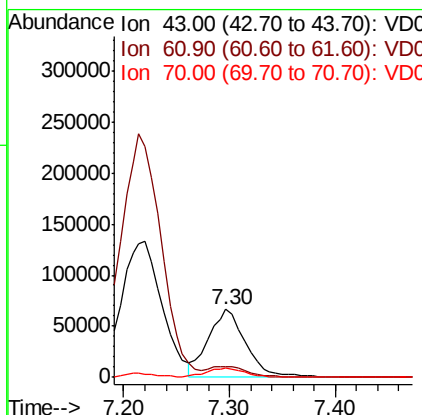
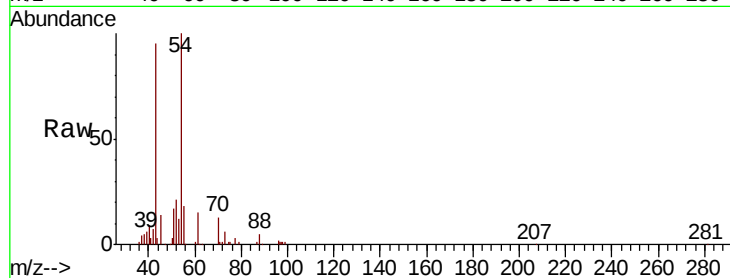




#37
Ethyl Acetate
Concen: 143.923 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

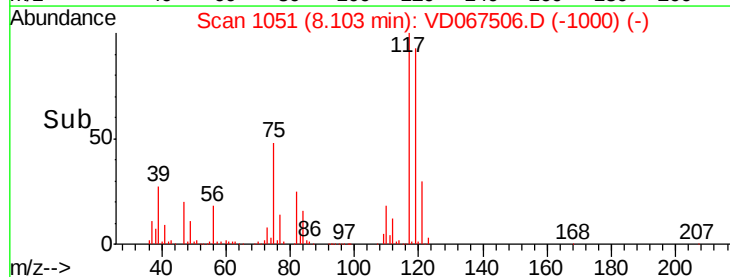
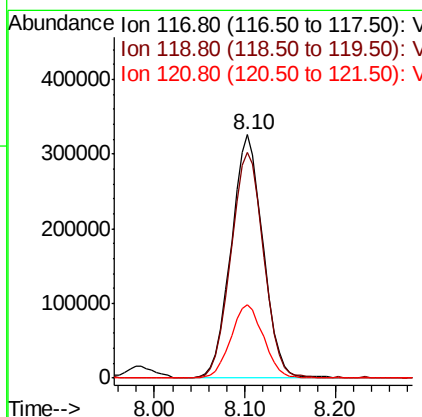
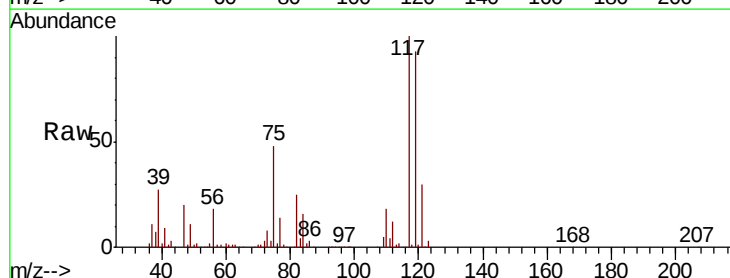
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

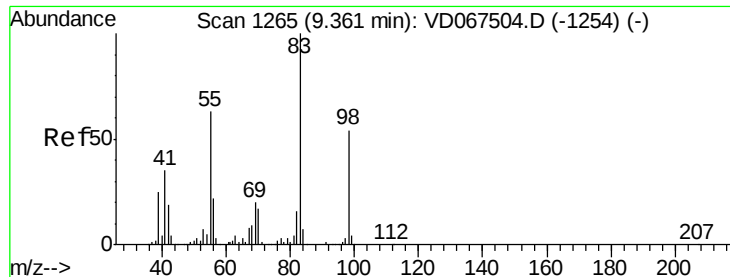
Tot Ion: 43 Resp: 162451
Ion Ratio Lower Upper
43 100
61 15.9 12.8 19.2
70 14.3 11.7 17.5



#38
Carbon Tetrachloride
Concen: 140.322 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

Tgt Ion: 117 Resp: 792671
Ion Ratio Lower Upper
117 100
119 92.6 76.9 115.3
121 30.4 24.5 36.7

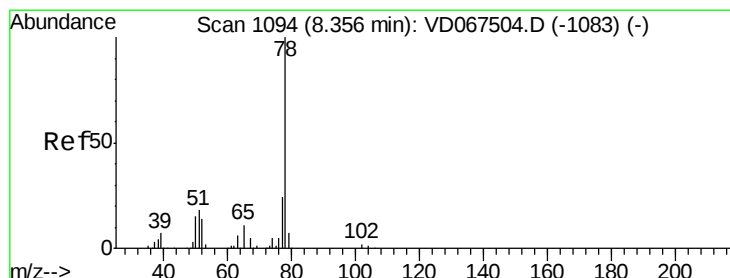
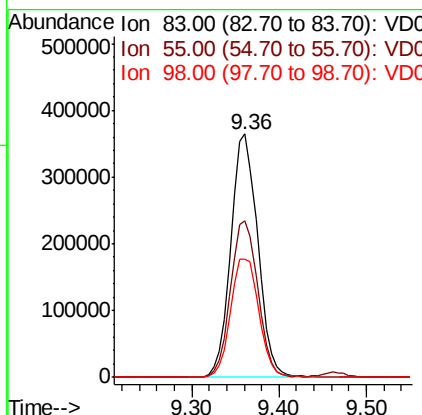
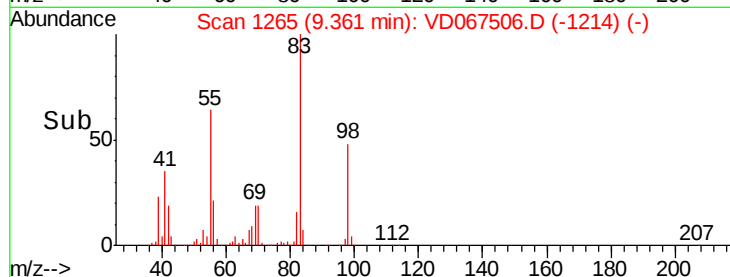
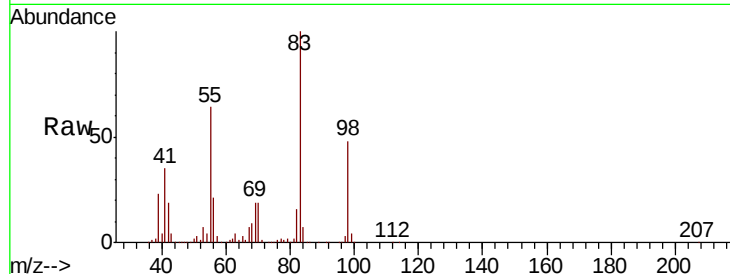




#39
Methvlcvclohexane
Concen: 148.957 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

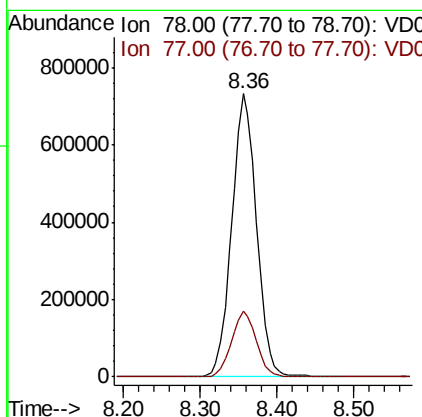
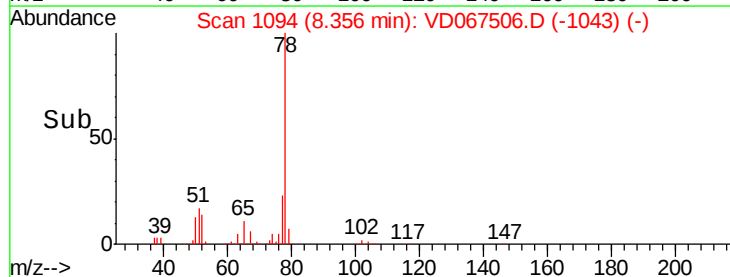
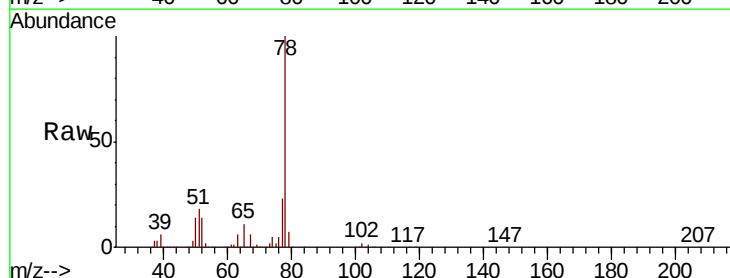
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

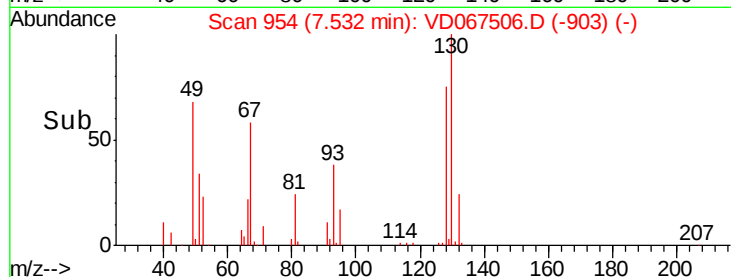
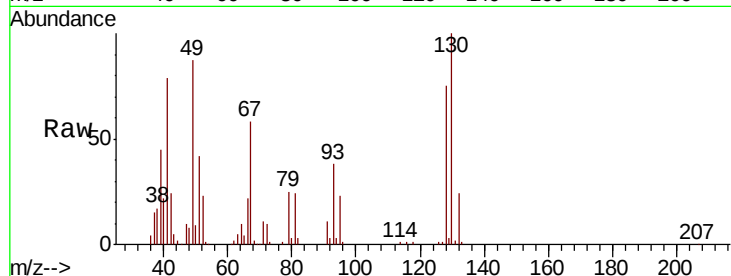
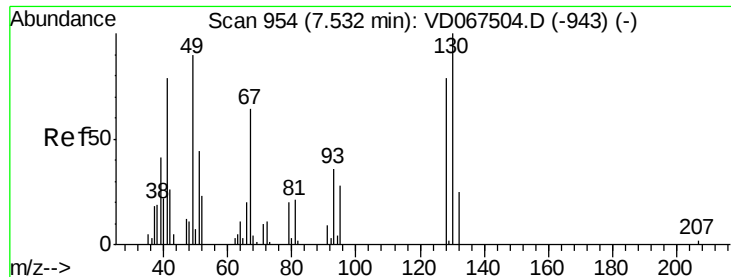
Tot Ion: 83 Resp: 762247
Ion Ratio Lower Upper
83 100
55 64.4 50.5 75.7
98 48.4 43.4 65.0



#40
Benzene
Concen: 139.659 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

Tgt Ion: 78 Resp: 1644783
Ion Ratio Lower Upper
78 100
77 23.1 19.1 28.7

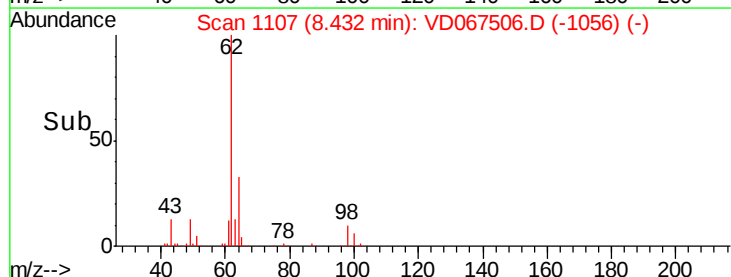
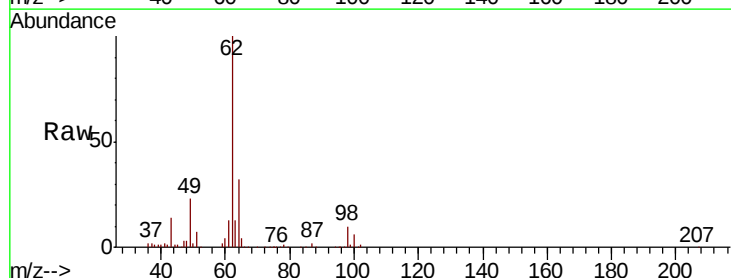
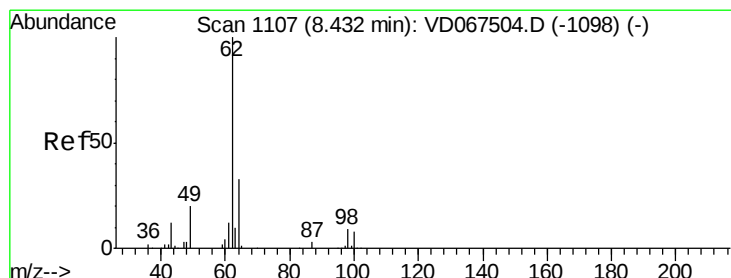
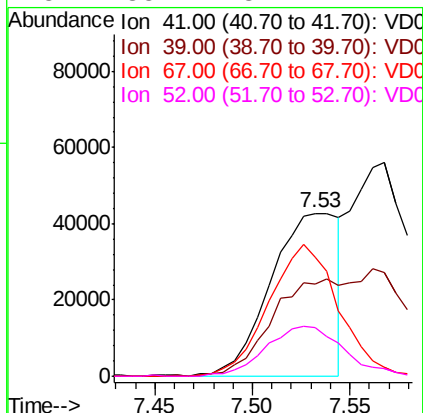




#41
Methacrylonitrile
Concen: 181.634 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

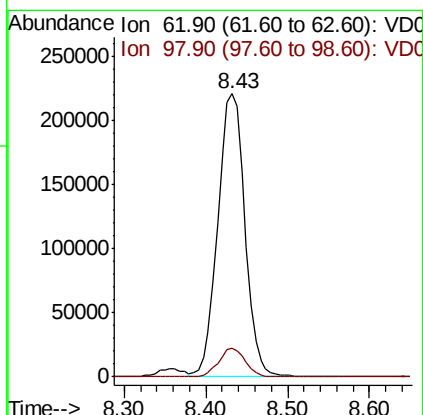
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

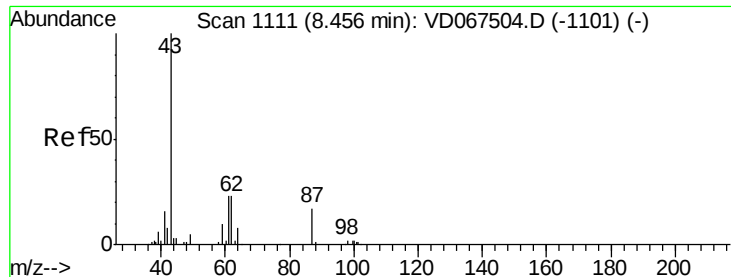
Tot Ion:	41	Resp:	103126
Ion	Ratio	Lower	Upper
41	100		
39	58.8	51.3	76.9
67	83.1	78.9	118.3
52	35.2	31.4	47.2



#42
1,2-Dichloroethane
Concen: 140.182 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

Tgt Ion:	62	Resp:	510084
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.8





#43

Isopropyl Acetate

Concen: 150.706 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

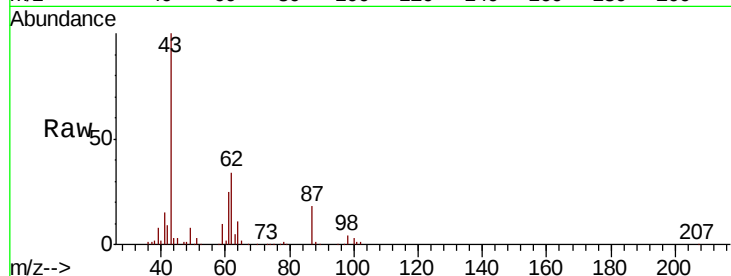
Tot Ion: 43 Resp: 336427

Ion Ratio Lower Upper

43 100

61 36.8 30.5 45.7

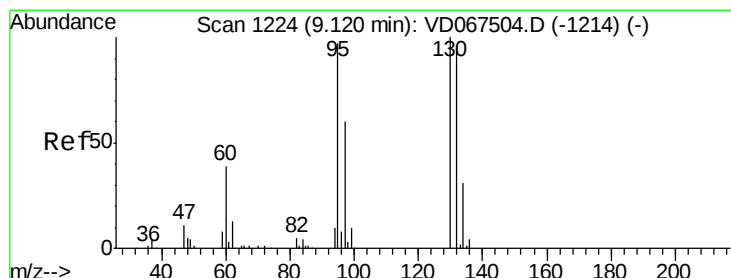
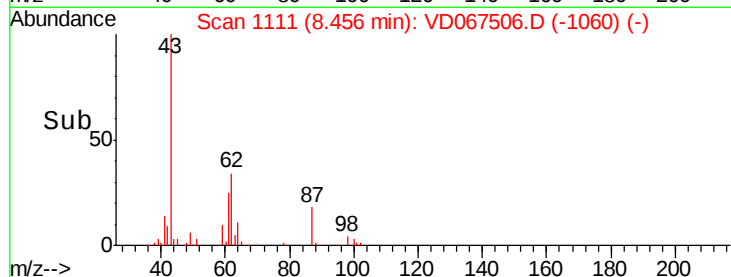
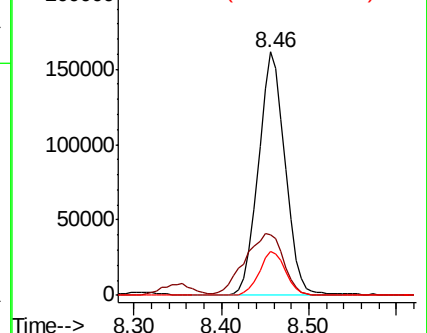
87 18.1 14.7 22.1



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: 139.657 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD067506.D

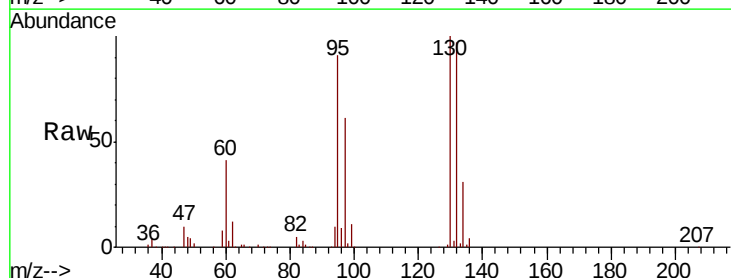
Acq: 03 Nov 2020 12:30

Tgt Ion:130 Resp: 540808

Ion Ratio Lower Upper

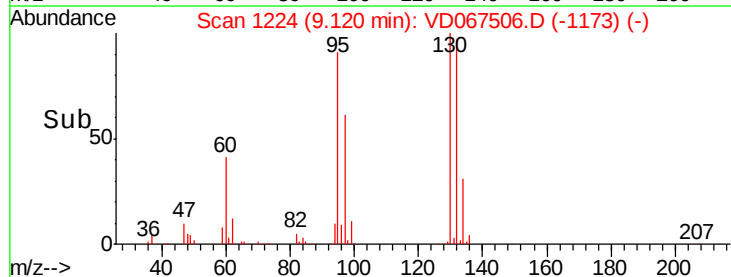
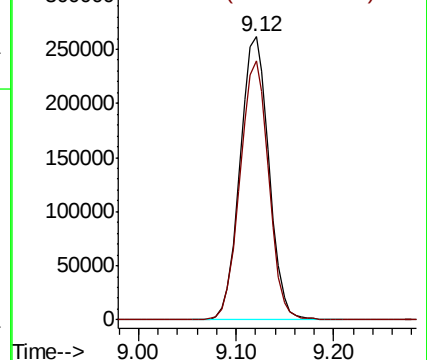
130 100

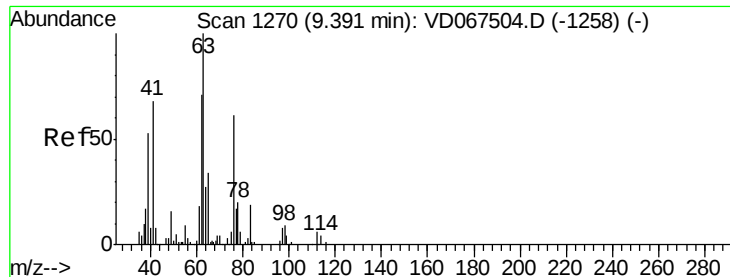
95 91.4 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 141.141 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

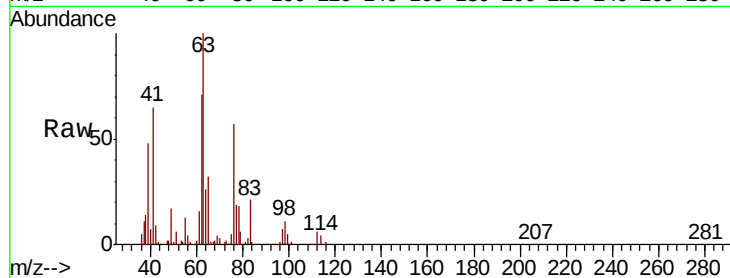
VSTDIC150

Tot Ion: 63 Resp: 359384

Ion Ratio Lower Upper

63 100

65 31.6 26.9 40.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

200000

150000

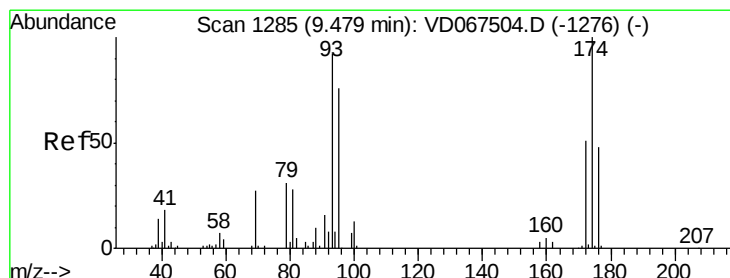
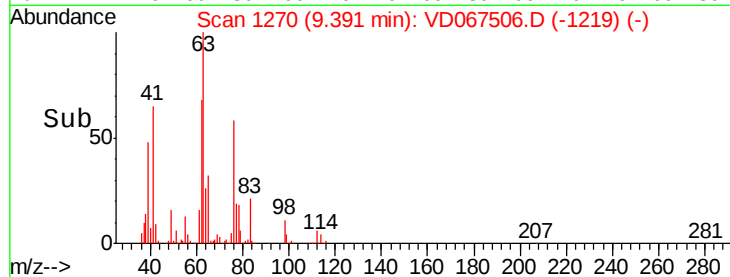
100000

50000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 138.833 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

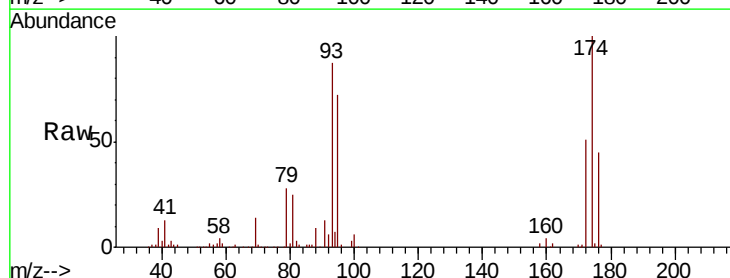
Tgt Ion: 93 Resp: 224770

Ion Ratio Lower Upper

93 100

95 82.0 66.4 99.6

174 111.5 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

150000

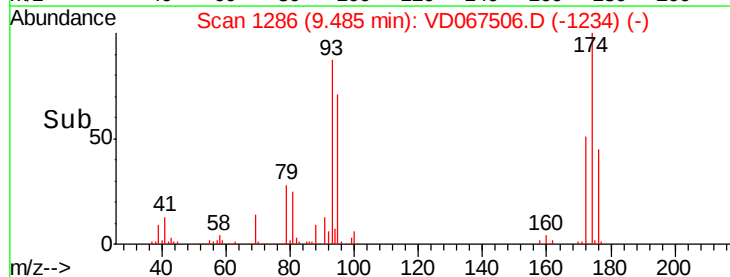
100000

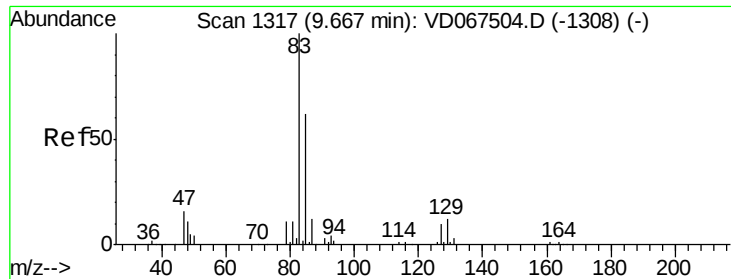
50000

0

9.40 9.50 9.60

Time-->

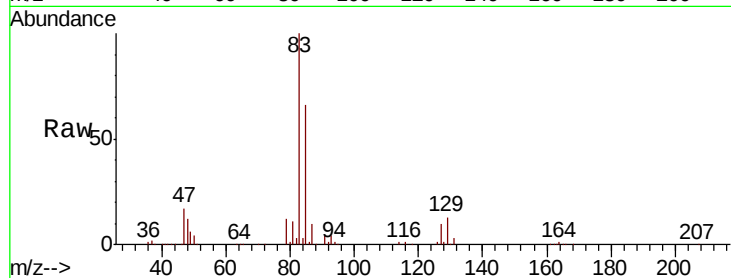




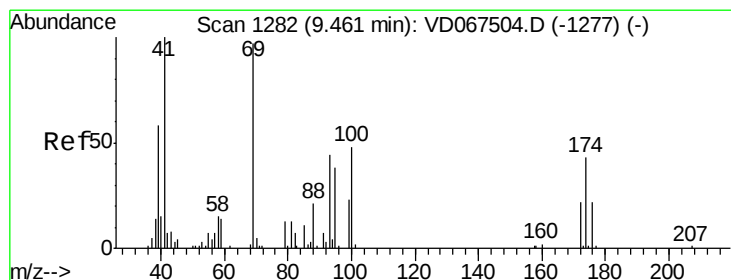
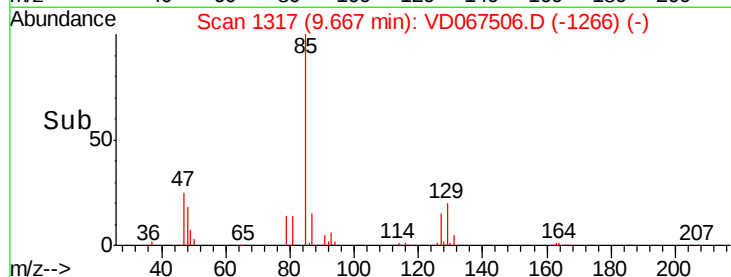
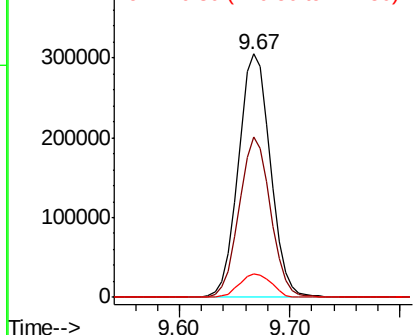
#47
Bromodichloromethane
Concen: 141.402 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 622233
Ion Ratio Lower Upper
83 100
85 65.8 49.4 74.2
127 9.9 7.7 11.5

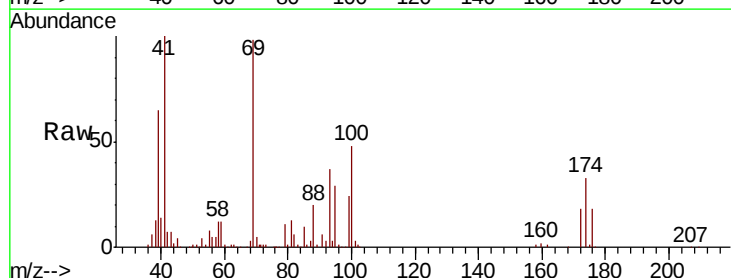


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC

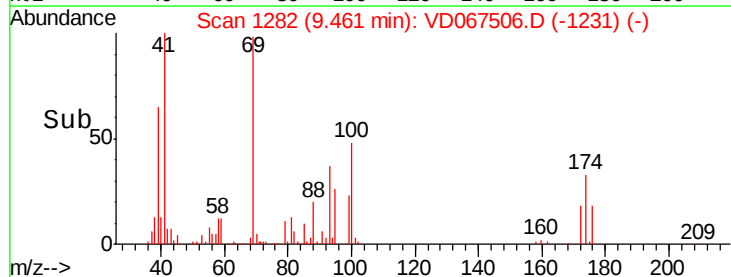
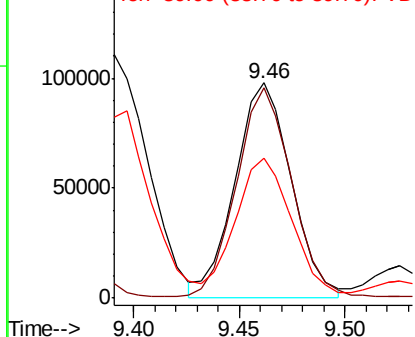


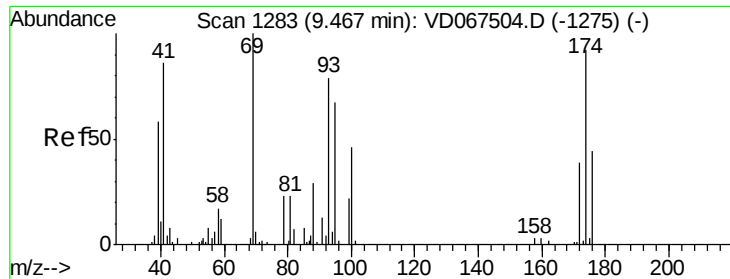
#48
Methyl methacrylate
Concen: 156.494 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

Tgt Ion: 41 Resp: 180376
Ion Ratio Lower Upper
41 100
69 97.0 80.6 121.0
39 59.8 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

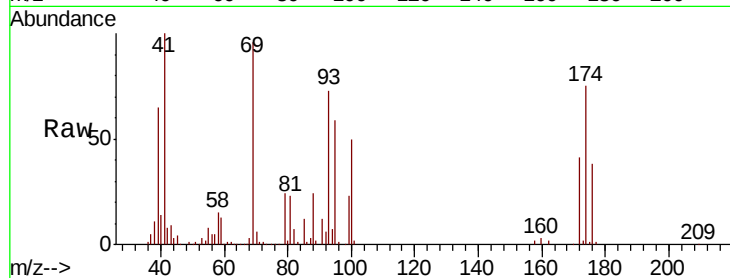




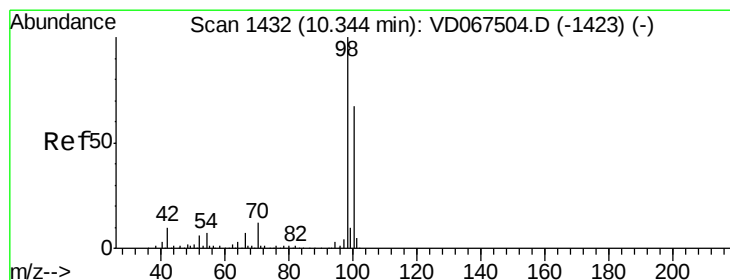
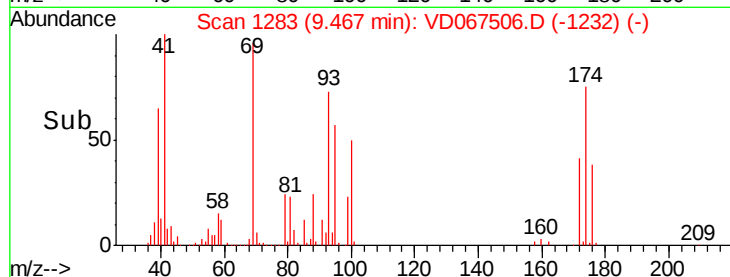
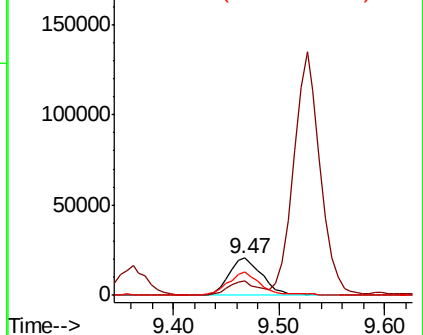
#49
1,4-Dioxane
Concen: 2770.690 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 88 Resp: 45538
Ion Ratio Lower Upper
88 100
43 32.5 23.6 35.4
58 58.1 44.7 67.1

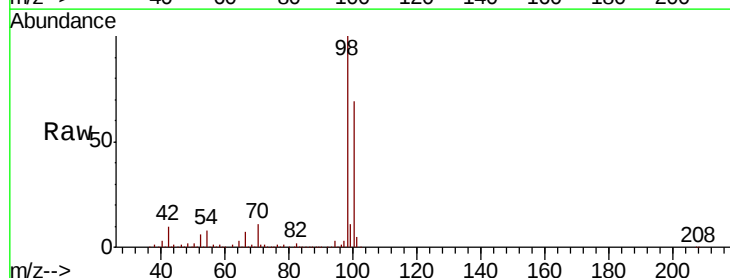


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

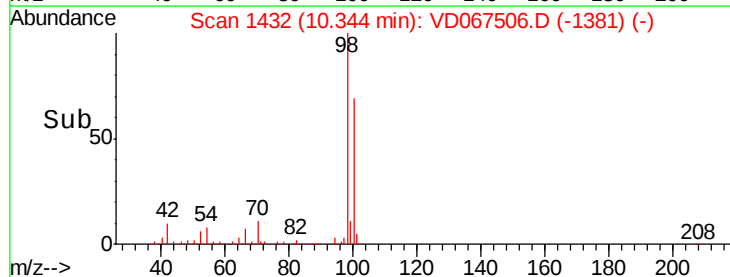
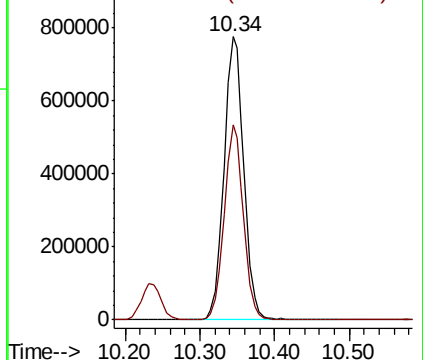


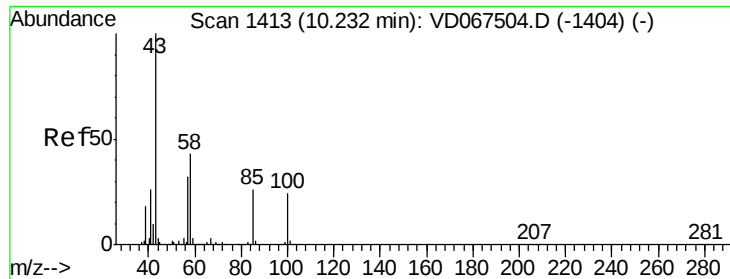
#50
Toluene-d8
Concen: 132.567 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

Tgt Ion: 98 Resp: 1425685
Ion Ratio Lower Upper
98 100
100 67.1 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: 738.477 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

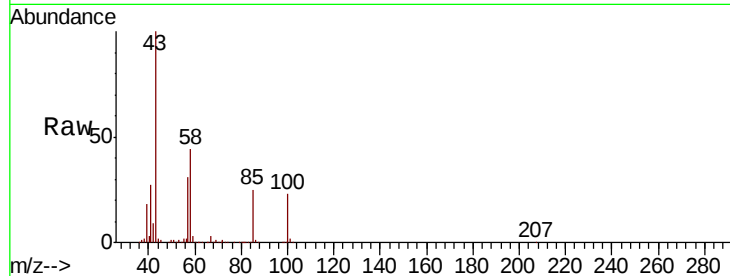
VSTDIC150

Tot Ion: 43 Resp: 788416

Ion Ratio Lower Upper

43 100

58 44.2 35.6 53.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

400000

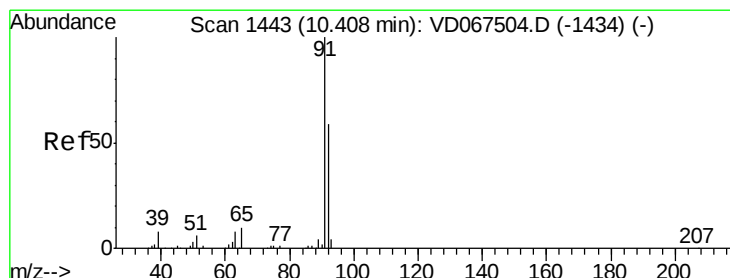
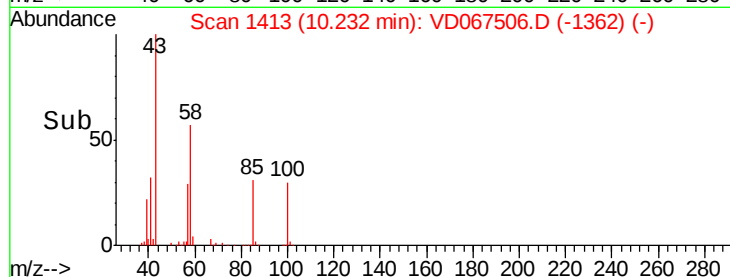
300000

200000

100000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 142.971 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067506.D

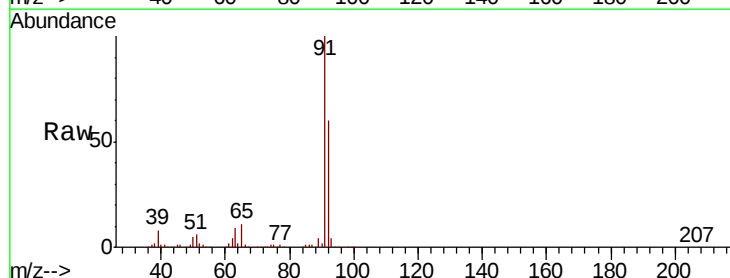
Acq: 03 Nov 2020 12:30

Tgt Ion: 92 Resp: 1127796

Ion Ratio Lower Upper

92 100

91 168.5 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

1200000

1000000

800000

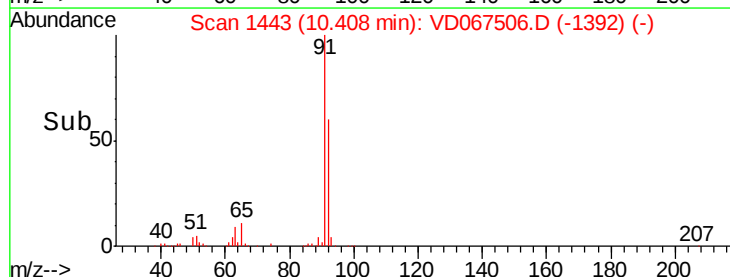
600000

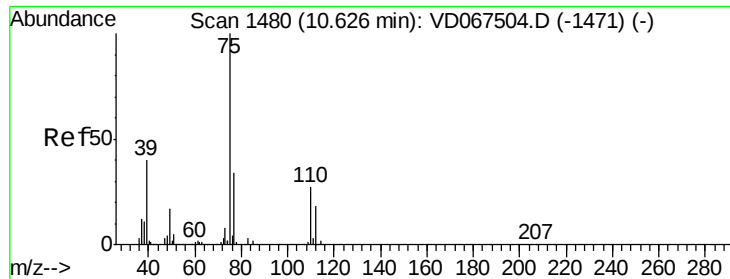
400000

200000

0

Time--> 10.30 10.40 10.50





#53

t-1,3-Dichloropropene

Concen: 148.994 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

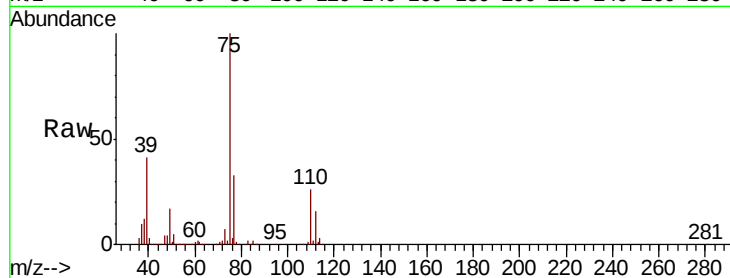
VSTDIC150

Tot Ion: 75 Resp: 561529

Ion Ratio Lower Upper

75 100

77 32.6 27.0 40.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

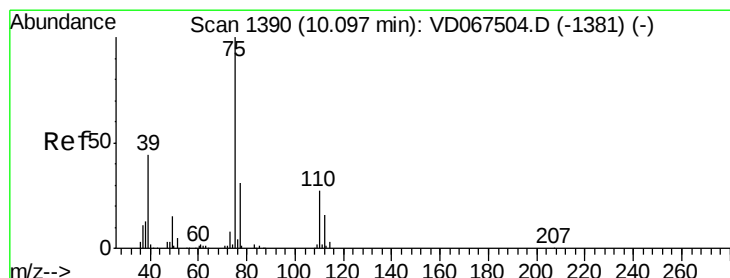
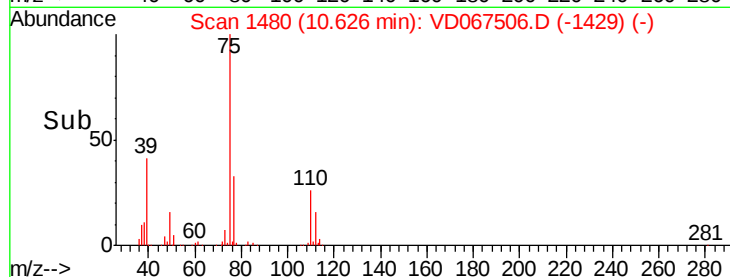
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 145.641 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

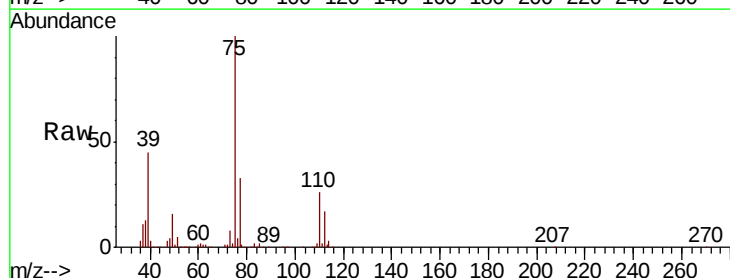
Tgt Ion: 75 Resp: 652146

Ion Ratio Lower Upper

75 100

77 32.8 24.4 36.6

39 44.5 35.6 53.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.10

400000

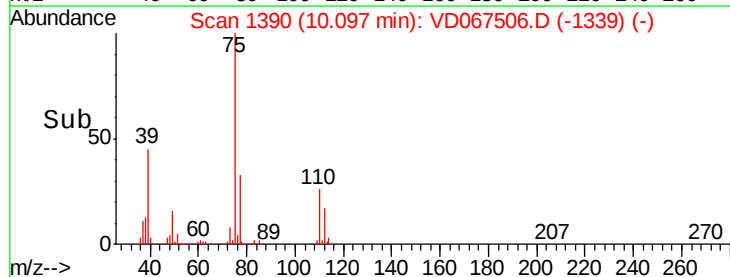
300000

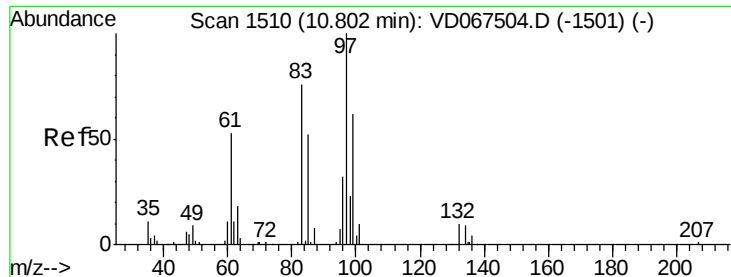
200000

100000

0

Time-->

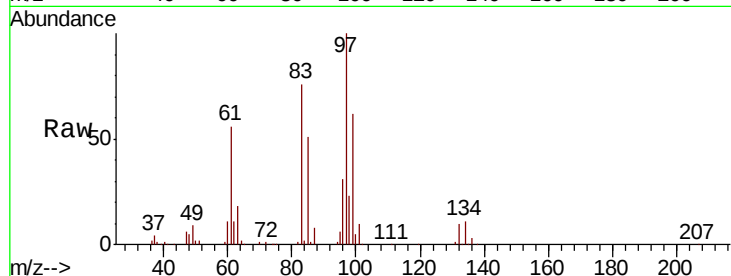




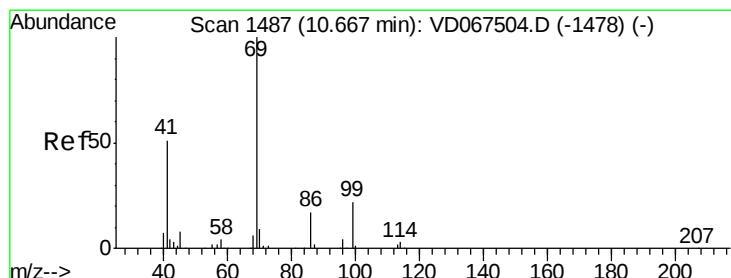
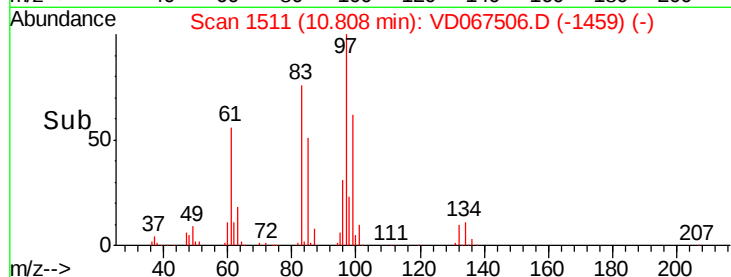
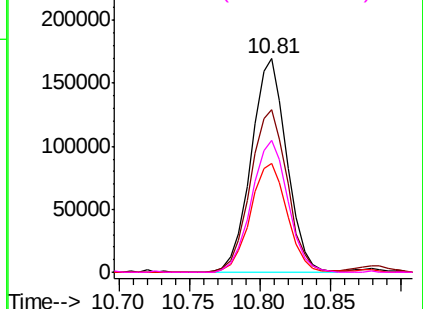
#55
 1,1,2-Trichloroethane
 Concen: 140.145 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067506.D
 Acq: 03 Nov 2020 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	300210
Ion	Ratio	Lower	Upper
97	100		
83	76.4	61.0	91.6
85	50.8	41.5	62.3
99	61.6	49.4	74.2

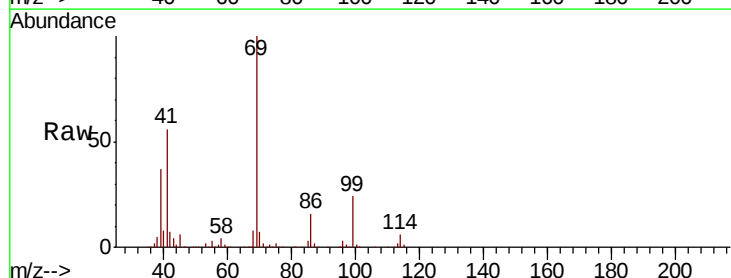


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

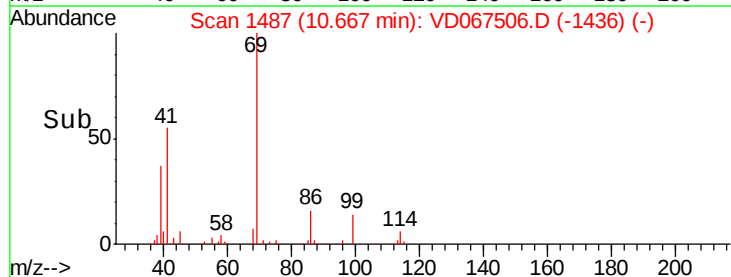
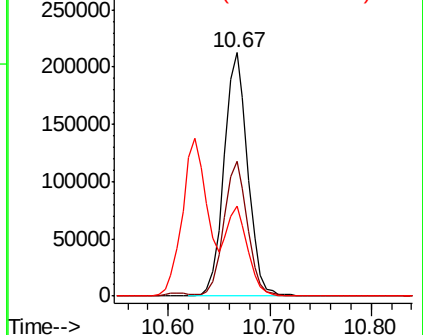


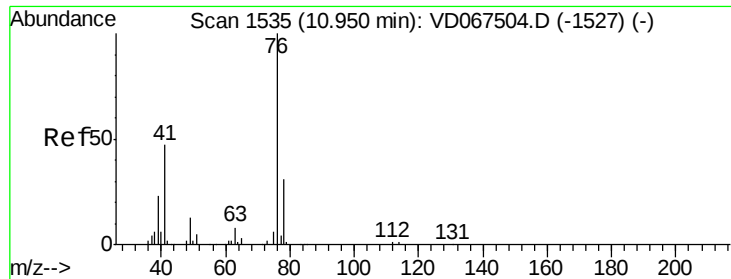
#56
 Ethyl methacrylate
 Concen: 155.490 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067506.D
 Acq: 03 Nov 2020 12:30

Tgt Ion:	69	Resp:	343961
Ion	Ratio	Lower	Upper
69	100		
41	55.1	45.4	68.0
39	34.0	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

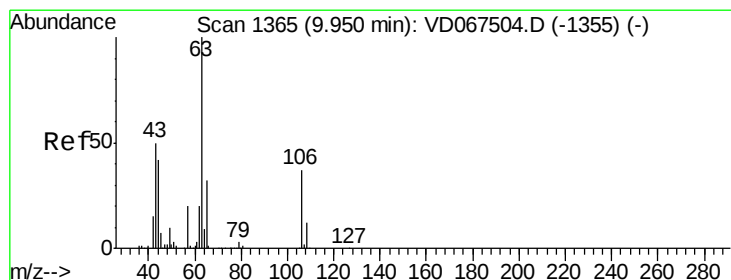
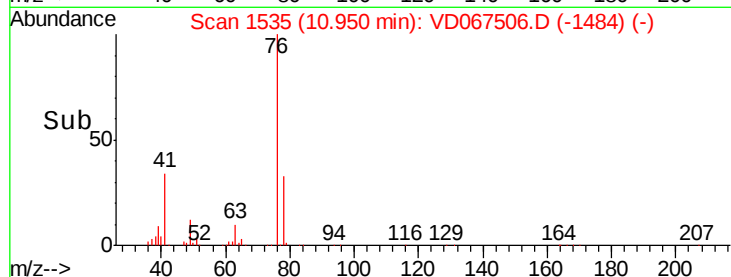
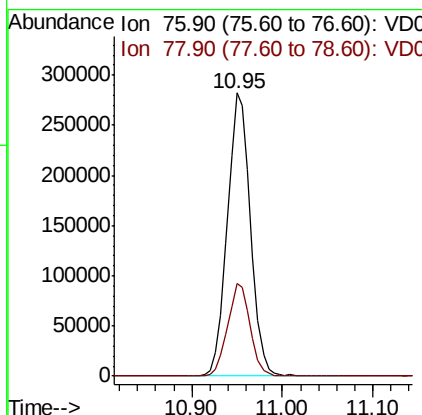
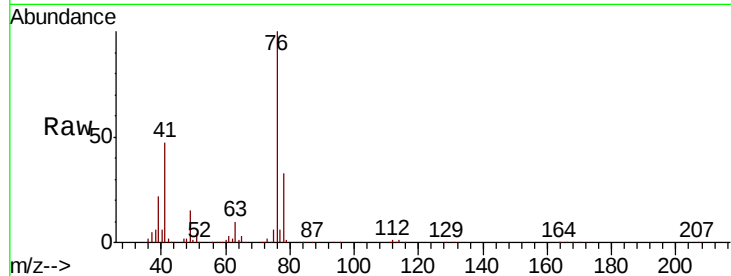




#57
 1,3-Dichloropropane
 Concen: 144.322 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067506.D
 Acq: 03 Nov 2020 12:30

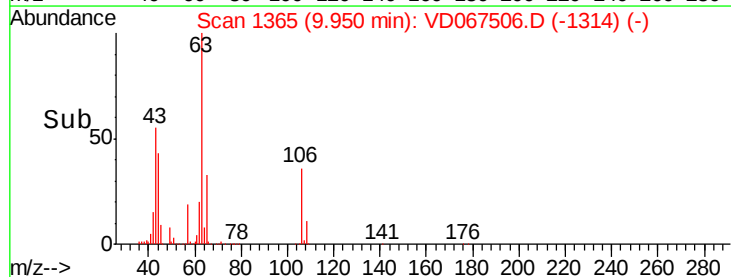
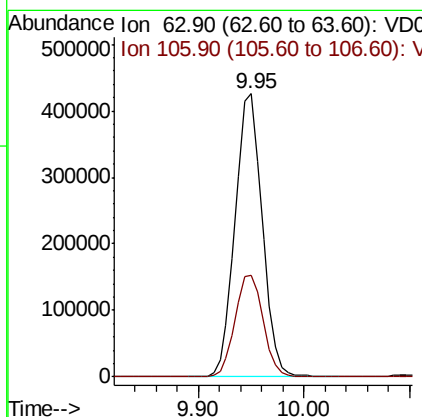
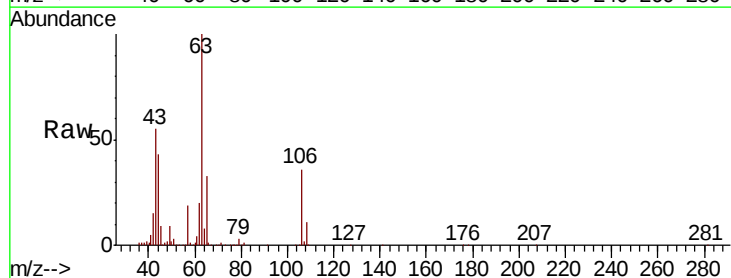
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

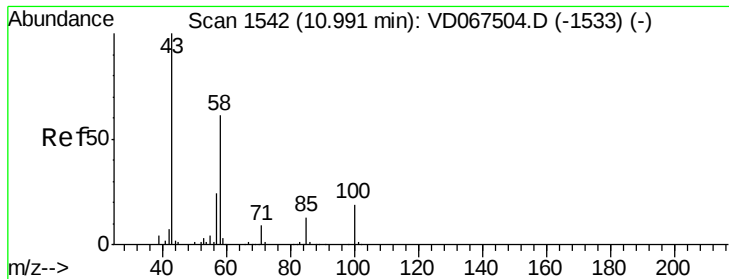
Tot Ion: 76 Resp: 497490
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 734.807 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD067506.D
 Acq: 03 Nov 2020 12:30

Tgt Ion: 63 Resp: 758008
 Ion Ratio Lower Upper
 63 100
 106 37.2 29.2 43.8

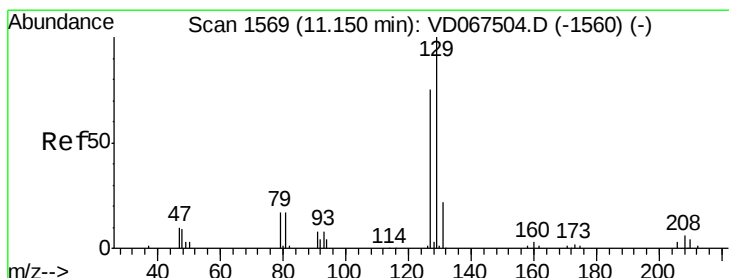
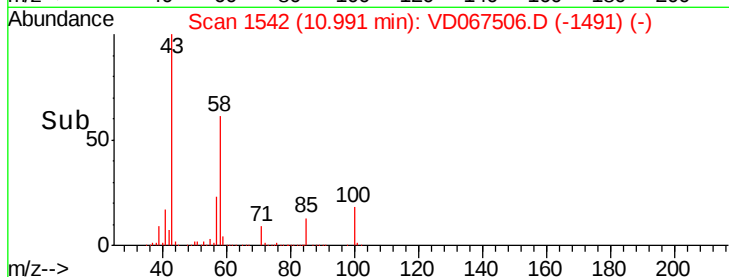
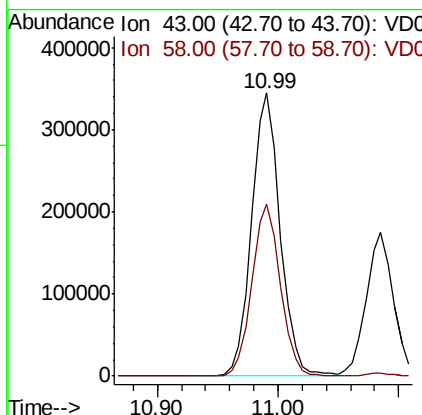
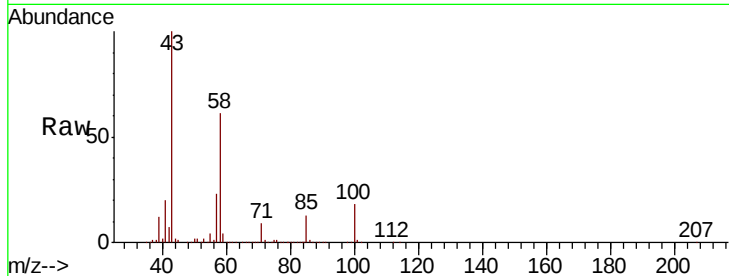




#59
2-Hexanone
Concen: 760.624 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

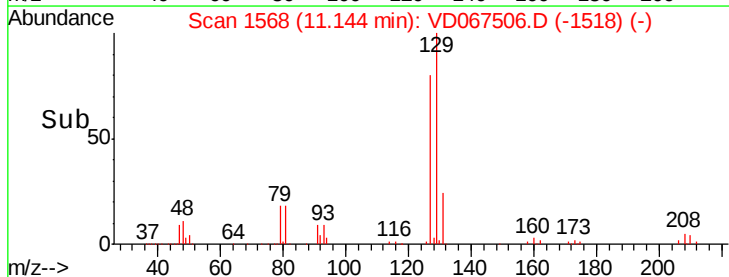
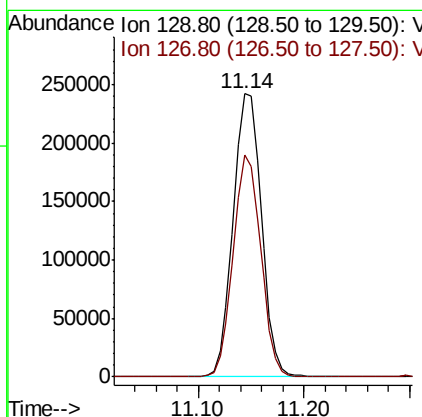
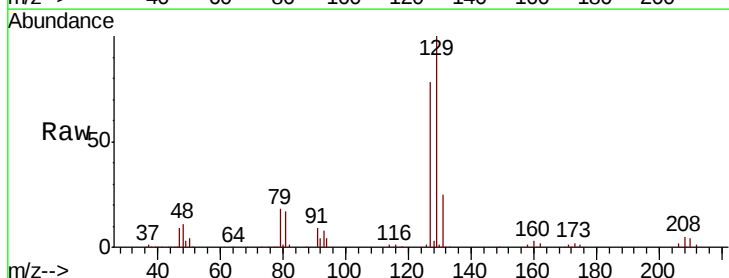
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

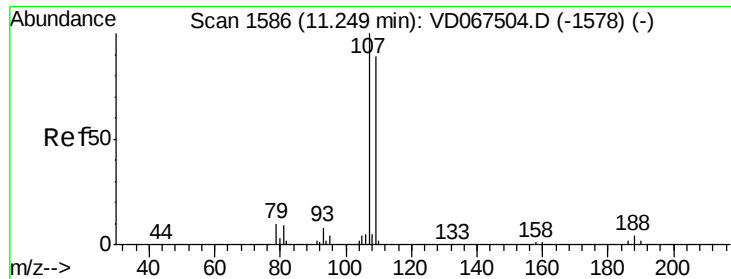
Tot Ion: 43 Resp: 567794
Ion Ratio Lower Upper
43 100
58 60.4 30.3 90.9



#60
Dibromochloromethane
Concen: 141.683 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

Tgt Ion: 129 Resp: 448963
Ion Ratio Lower Upper
129 100
127 76.5 38.0 114.1

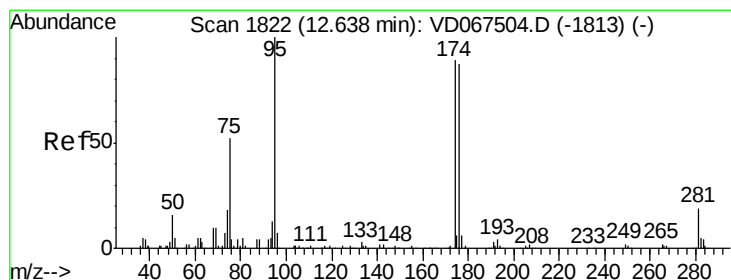
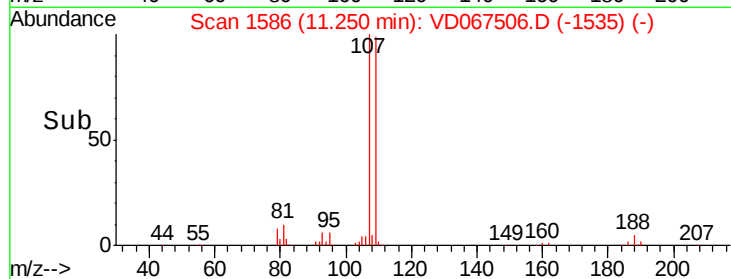
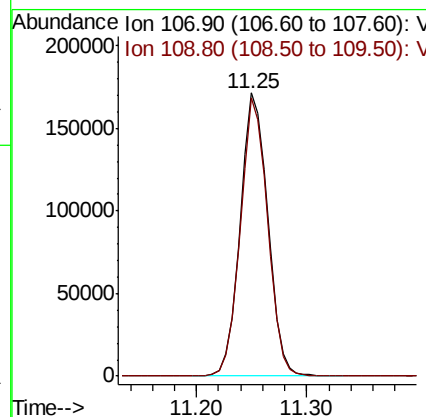
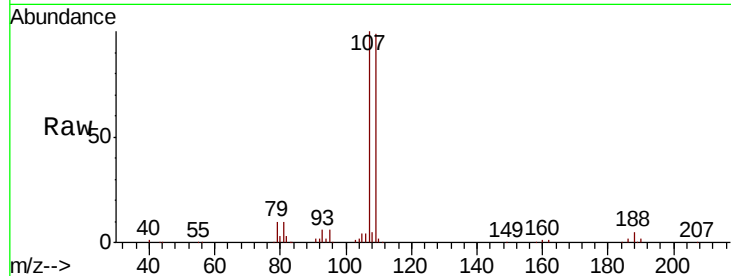




#61
 1,2-Dibromoethane
 Concen: 140.421 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067506.D
 Acq: 03 Nov 2020 12:30

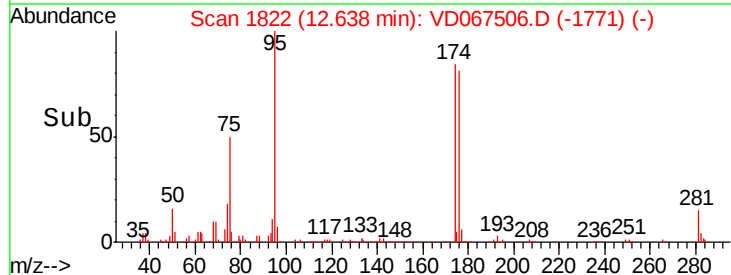
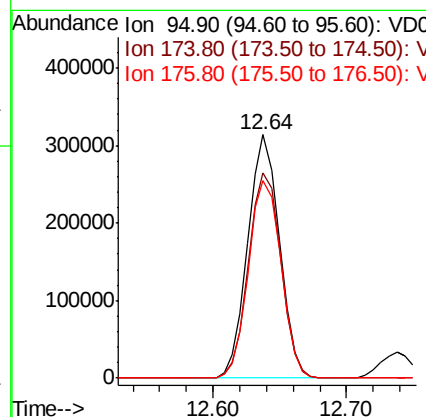
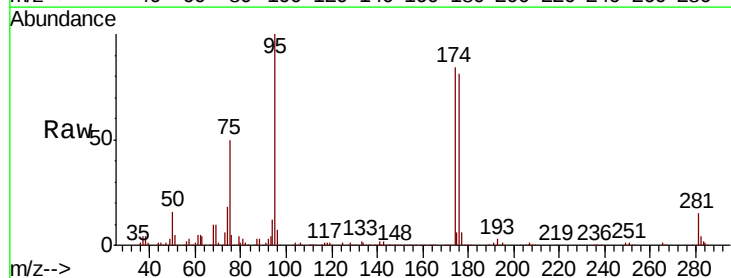
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

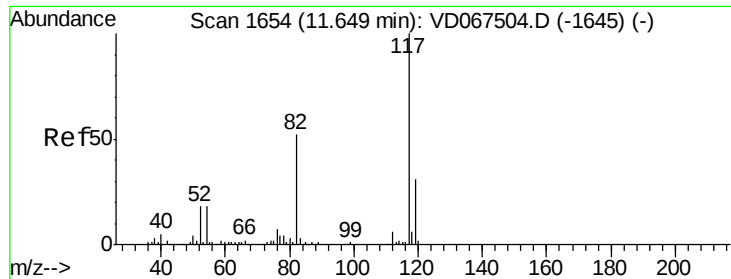
Tot Ion:107 Resp: 301896
 Ion Ratio Lower Upper
 107 100
 109 97.0 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 138.071 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067506.D
 Acq: 03 Nov 2020 12:30

Tgt Ion: 95 Resp: 512646
 Ion Ratio Lower Upper
 95 100
 174 86.5 0.0 177.8
 176 83.7 0.0 172.0

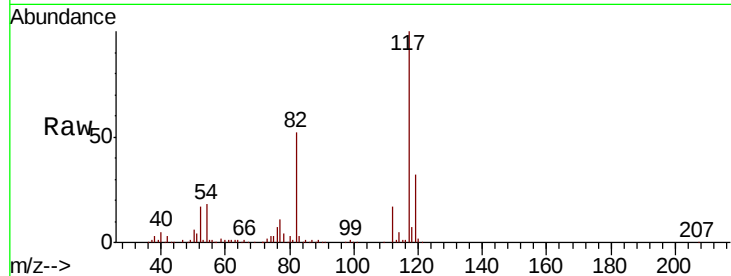




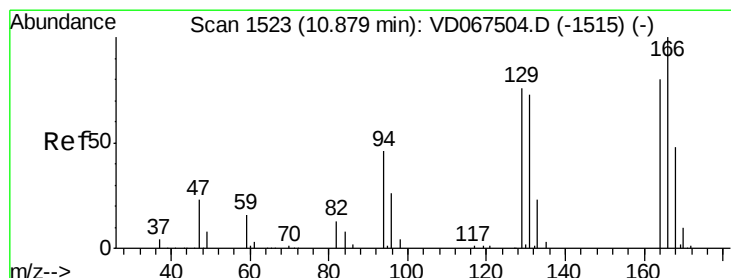
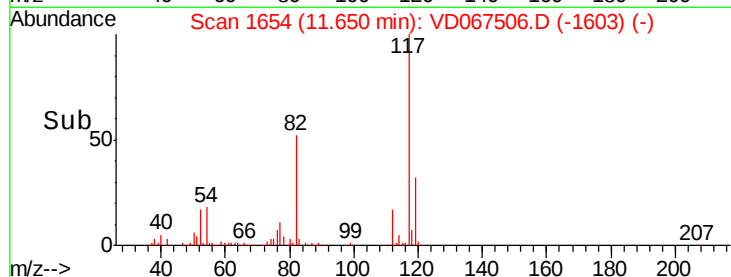
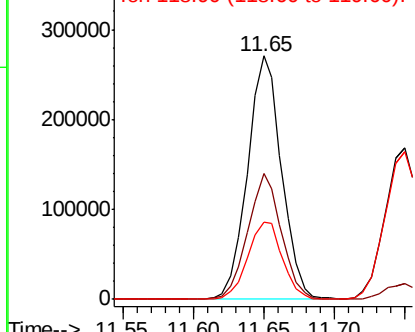
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:117 Resp: 457602
Ion Ratio Lower Upper
117 100
82 51.7 41.6 62.4
119 31.9 25.1 37.7

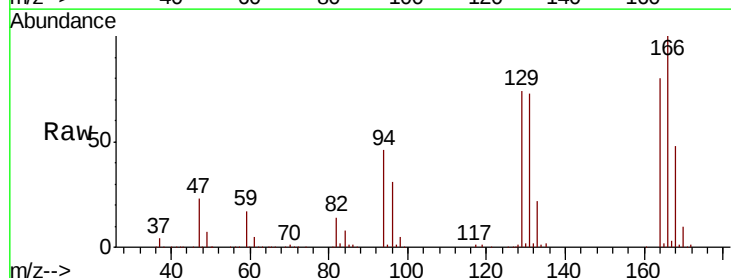


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

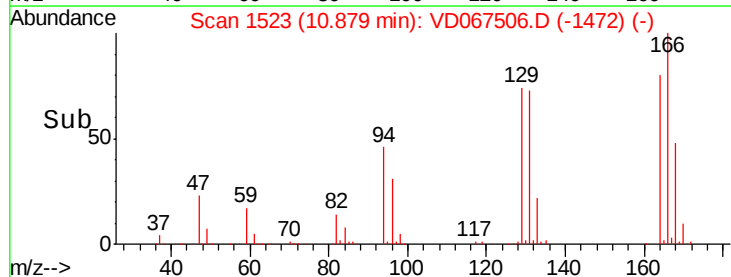
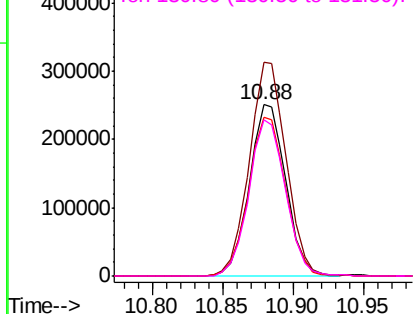


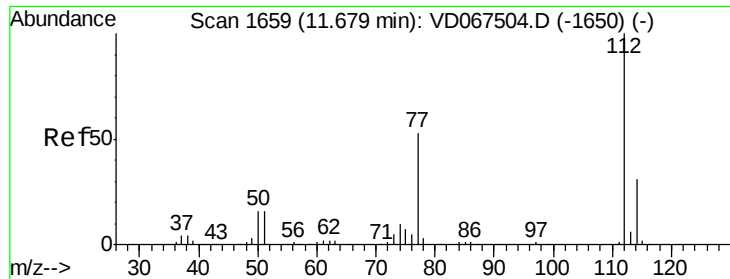
#64
Tetrachloroethene
Concen: 134.469 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

Tgt Ion:164 Resp: 455712
Ion Ratio Lower Upper
164 100
166 124.6 99.9 149.9
129 92.7 75.5 113.3
131 91.1 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

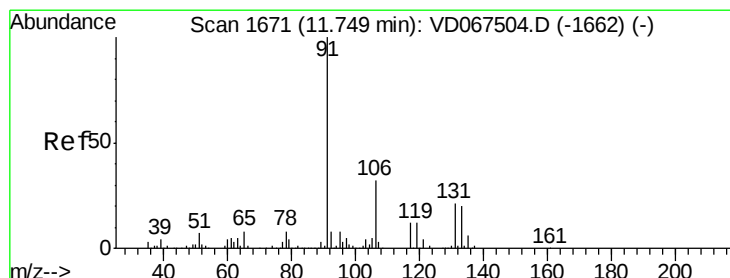
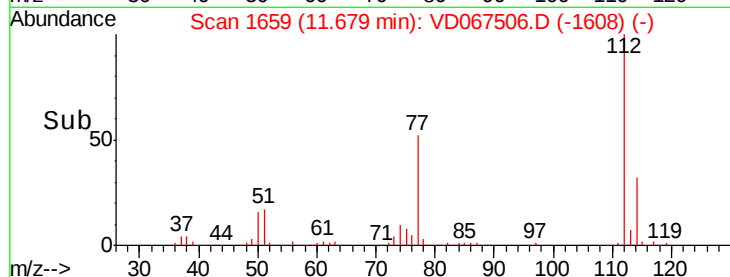
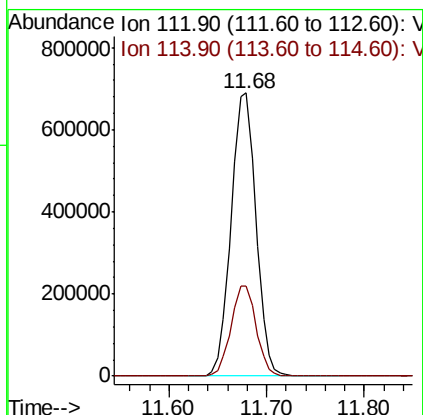
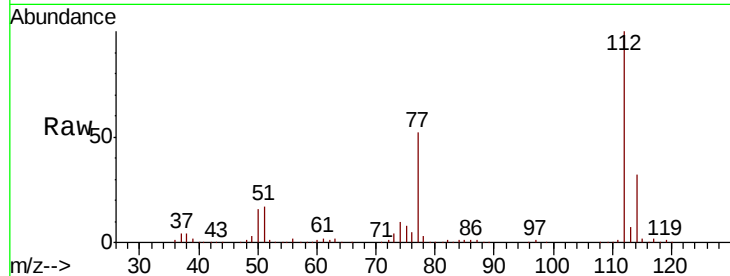




#65
Chlorobenzene
Concen: 138.992 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

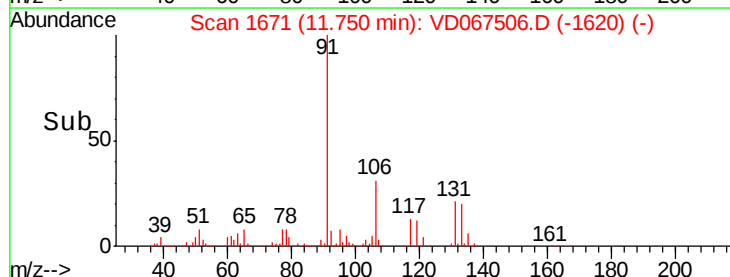
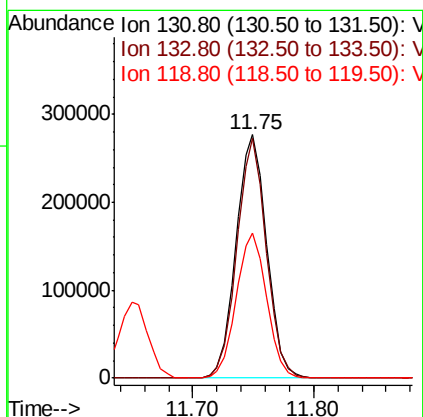
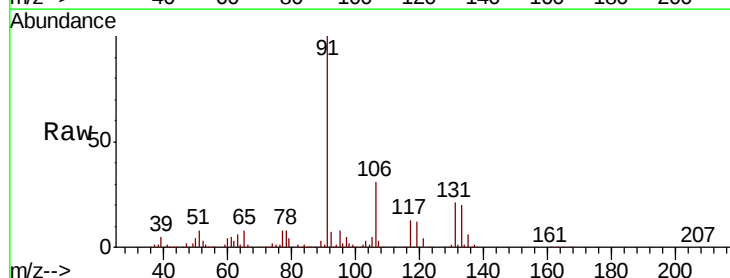
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

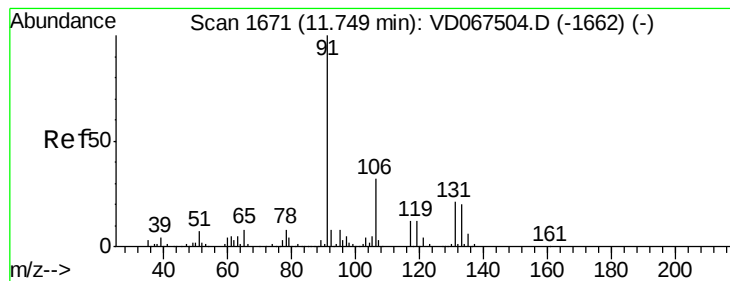
Tot Ion:112 Resp: 1225171
Ion Ratio Lower Upper
112 100
114 32.0 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 140.415 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

Tgt Ion:131 Resp: 487824
Ion Ratio Lower Upper
131 100
133 94.7 48.0 144.0
119 59.4 30.1 90.5





#67

Ethyl Benzene

Concen: 145.416 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

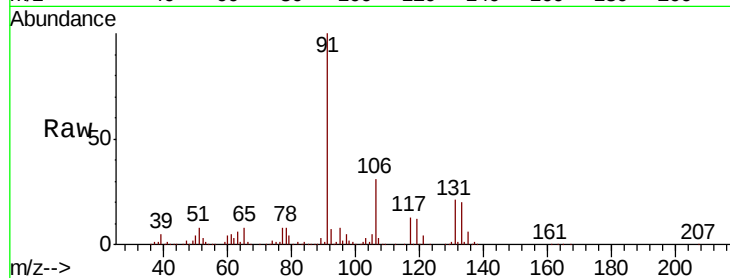
VSTDIC150

Tot Ion: 91 Resp: 2193398

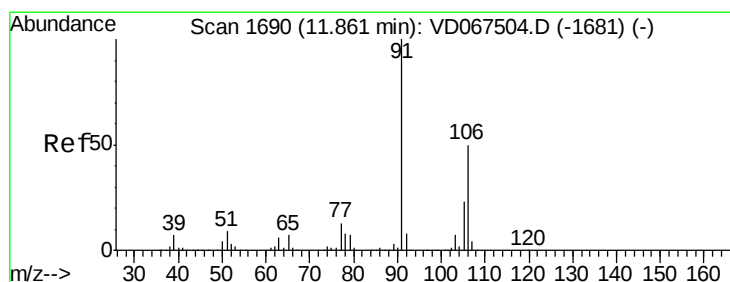
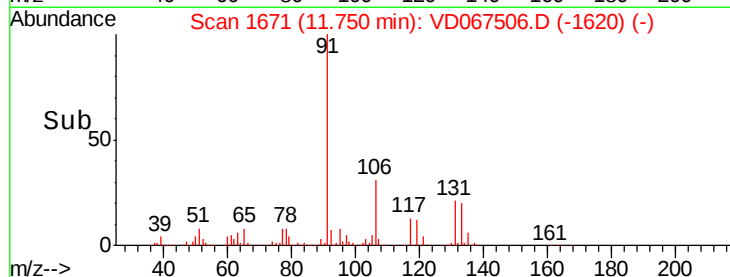
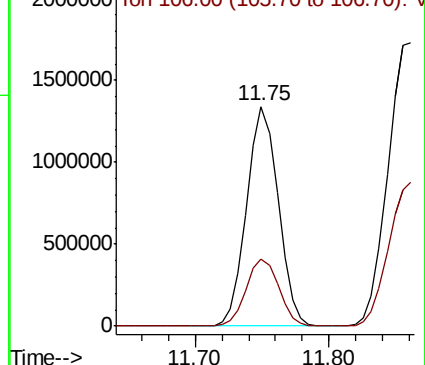
Ion Ratio Lower Upper

91 100

106 30.7 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VD067504.D (-1662) (-)



#68

m/p-Xylenes

Concen: 284.768 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD067506.D

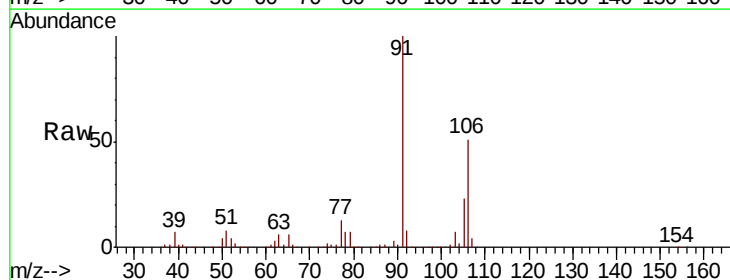
Acq: 03 Nov 2020 12:30

Tgt Ion: 106 Resp: 1671075

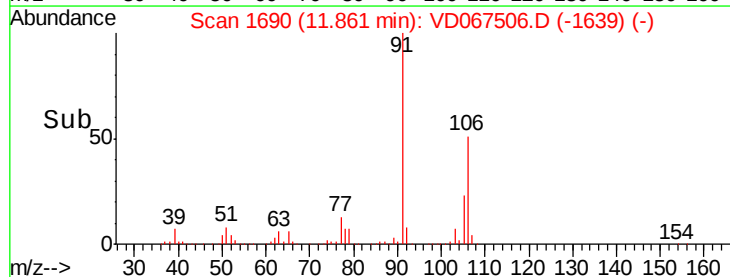
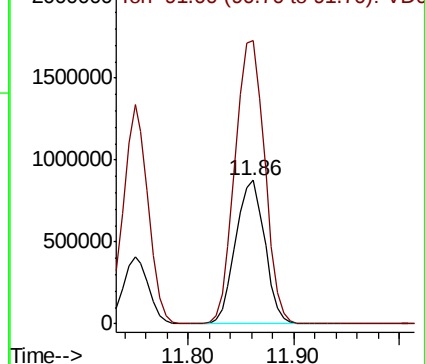
Ion Ratio Lower Upper

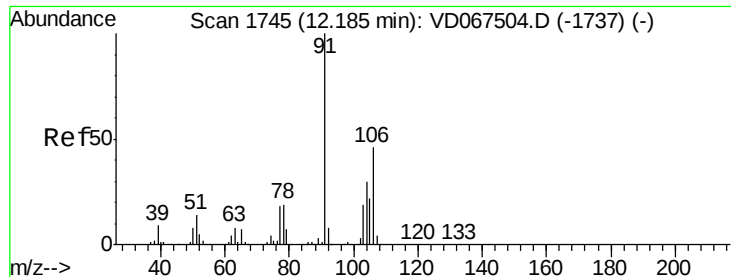
106 100

91 201.9 162.6 244.0



Abundance Ion 106.00 (105.70 to 106.70): VD067504.D (-1681) (-)

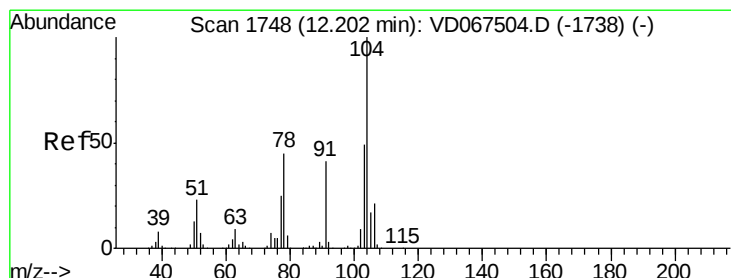
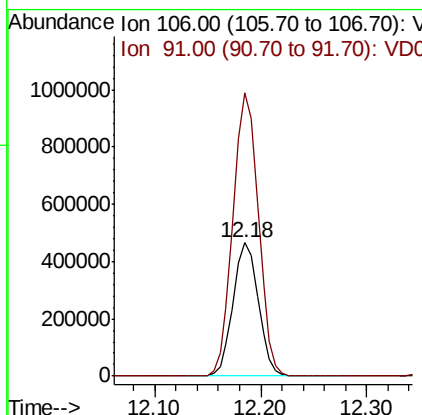
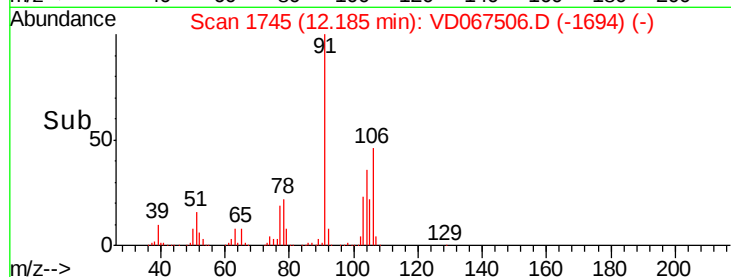
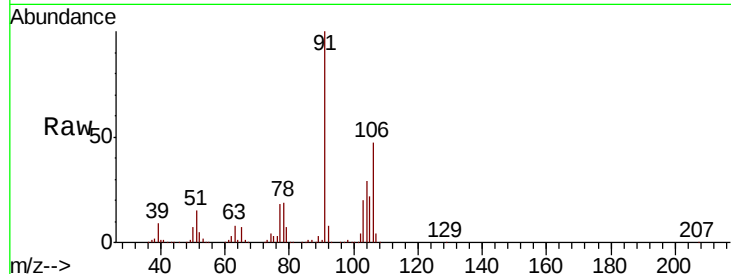




#69
o-Xylene
Concen: 146.871 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

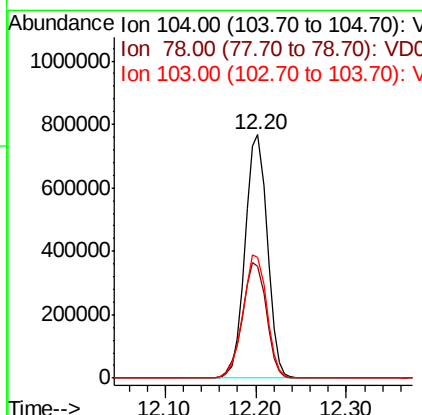
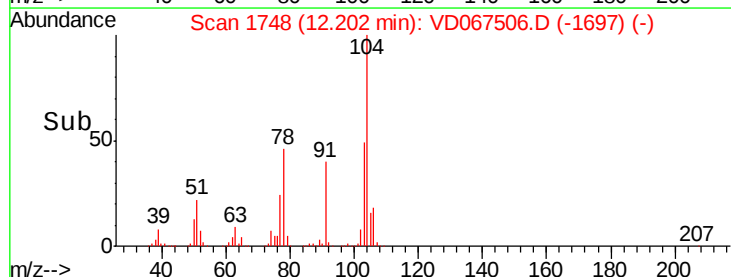
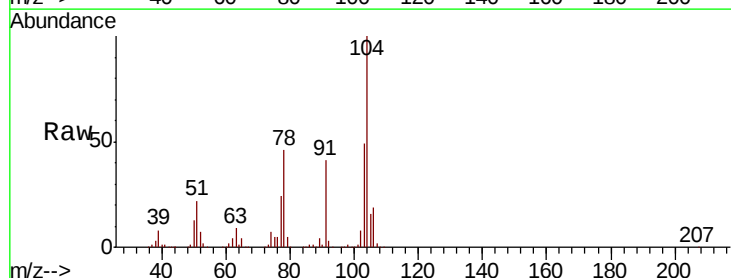
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

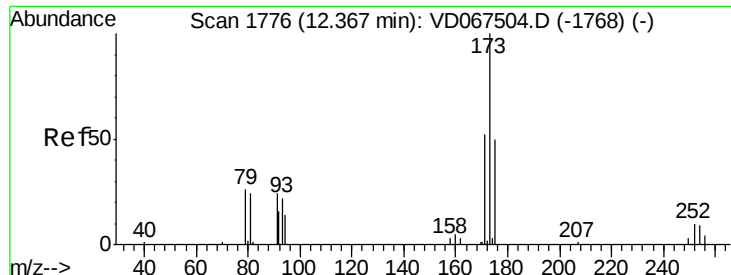
Tot Ion:106 Resp: 769495
Ion Ratio Lower Upper
106 100
91 213.2 107.1 321.1



#70
Styrene
Concen: 142.670 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

Tgt Ion:104 Resp: 1302510
Ion Ratio Lower Upper
104 100
78 51.3 39.8 59.8
103 54.1 43.9 65.9





#71

Bromoform

Concen: 144.520 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

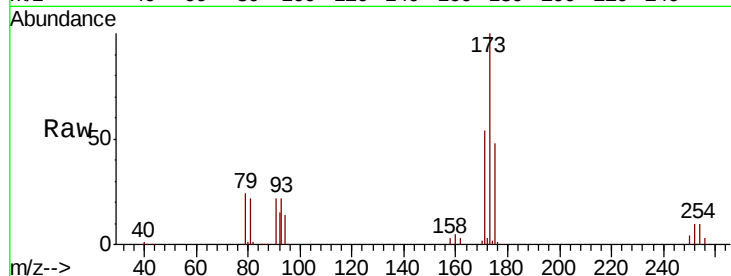
Tot Ion:173 Resp: 256067

Ion Ratio Lower Upper

173 100

175 47.9 24.1 72.2

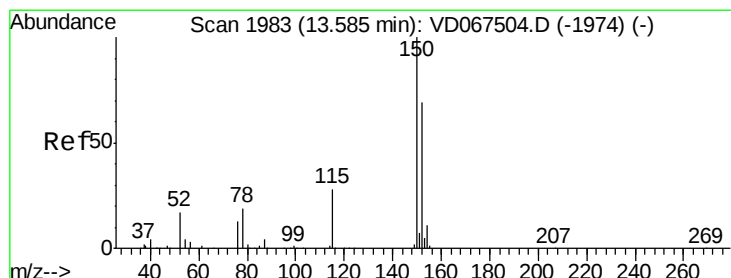
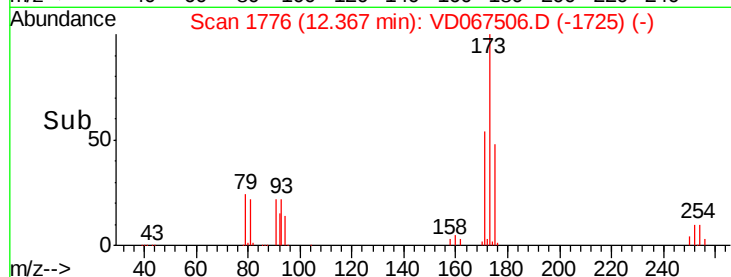
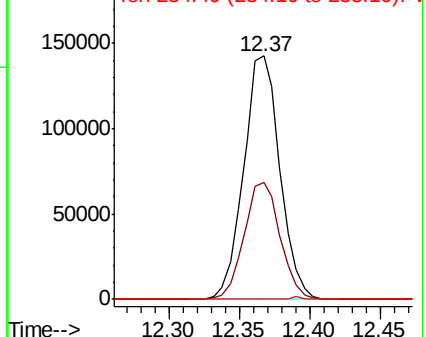
254 0.0 0.0 0.0



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# 1982

Delta R.T. -0.01 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

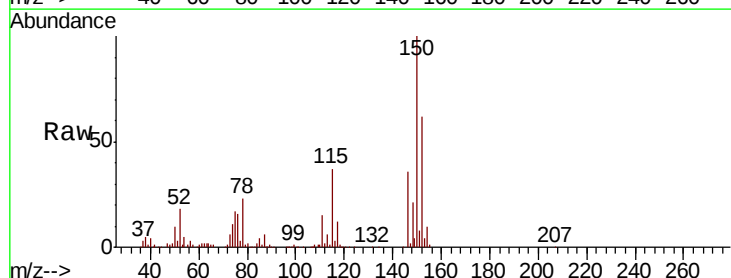
Tgt Ion:152 Resp: 221291

Ion Ratio Lower Upper

152 100

115 57.5 29.3 88.0

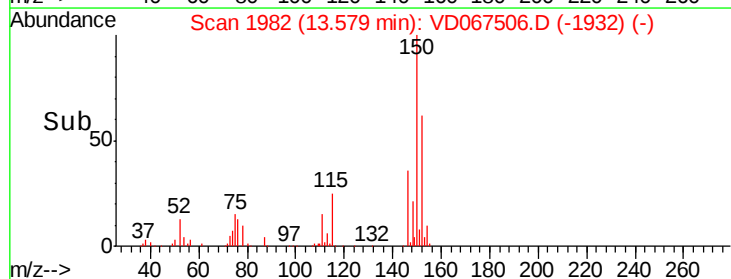
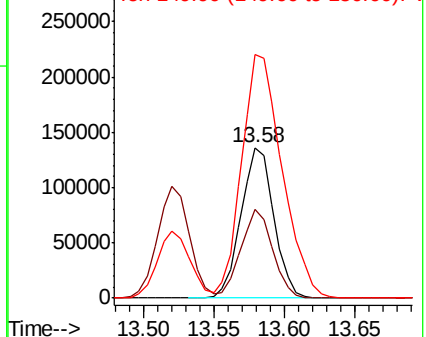
150 200.2 0.0 338.2

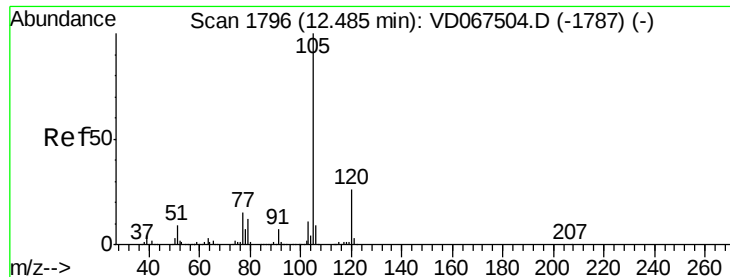


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 150.146 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

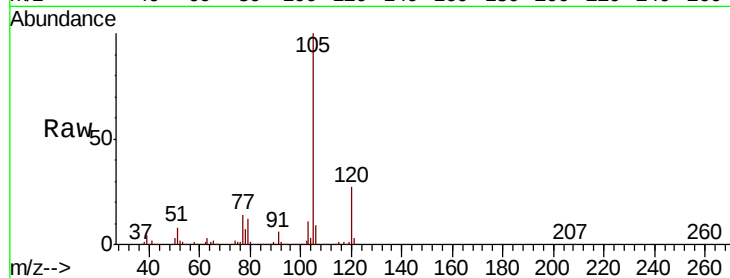
VSTDIC150

Tot Ion:105 Resp: 2147344

Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

1500000

1000000

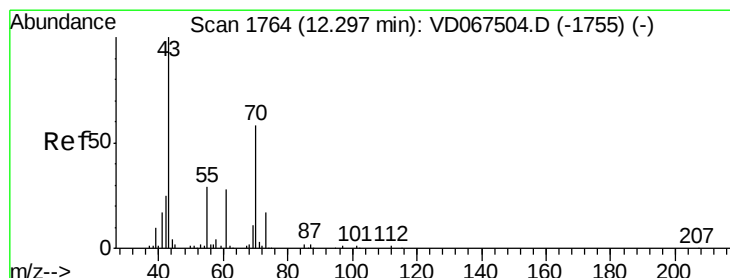
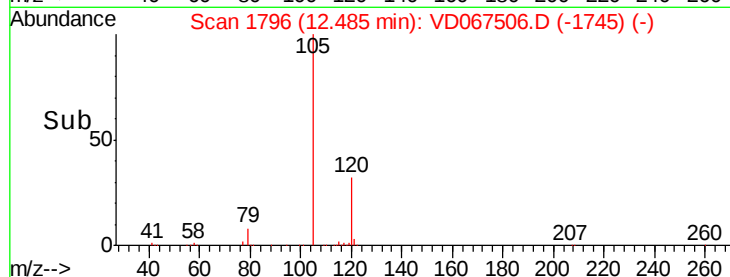
500000

0

Time-->

12.40

12.50



#74

N-ethyl acetate

Concen: 161.062 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Tgt Ion: 43 Resp: 303097

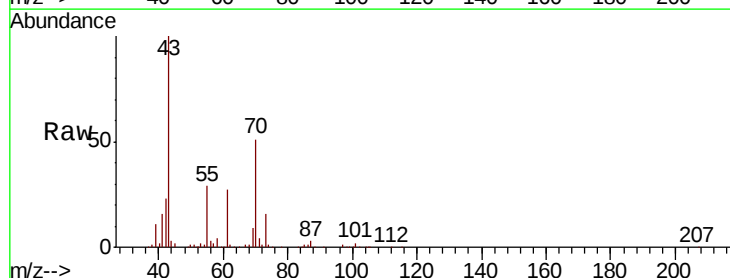
Ion Ratio Lower Upper

43 100

70 52.1 42.6 64.0

55 27.9 23.7 35.5

61 26.8 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

300000

250000

200000

150000

100000

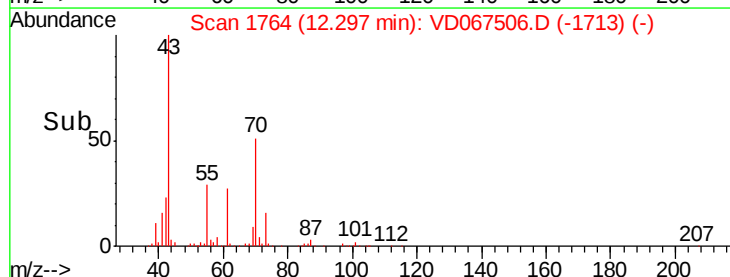
50000

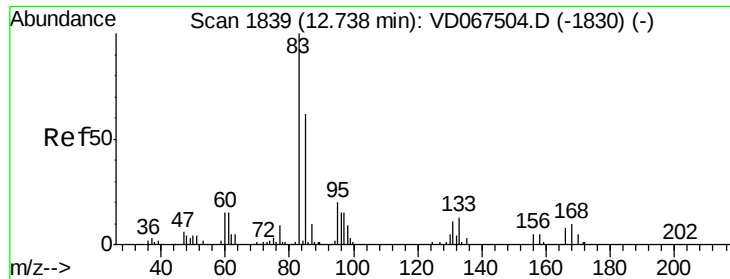
0

Time-->

12.20

12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 144.034 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

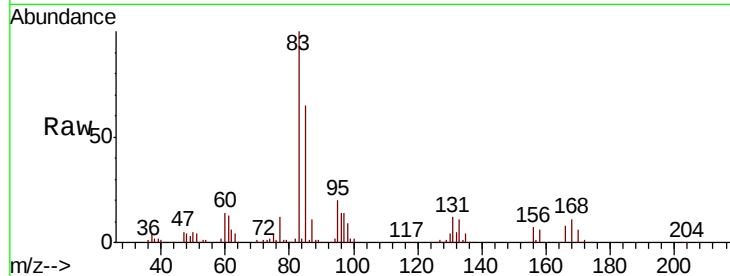
Tot Ion: 83 Resp: 280893

Ion Ratio Lower Upper

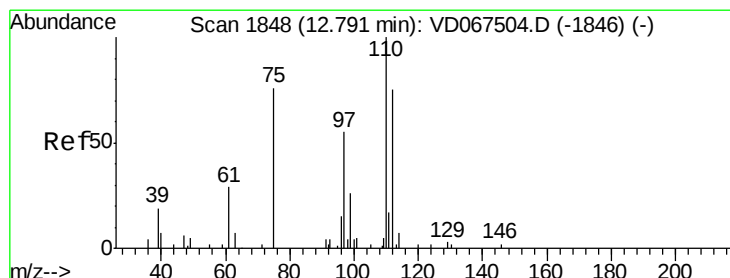
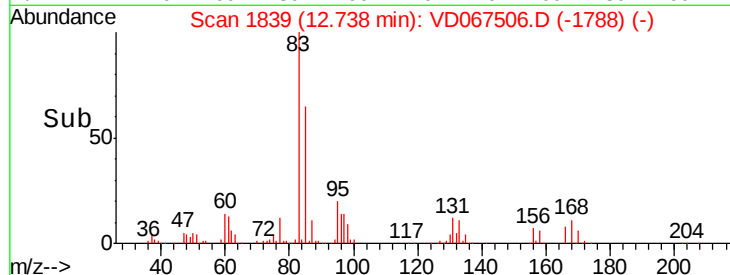
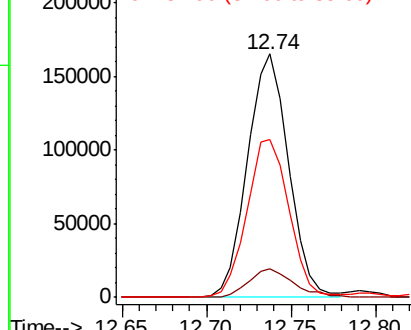
83 100

131 12.9 7.1 21.3

85 66.3 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: 289.646 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD067506.D

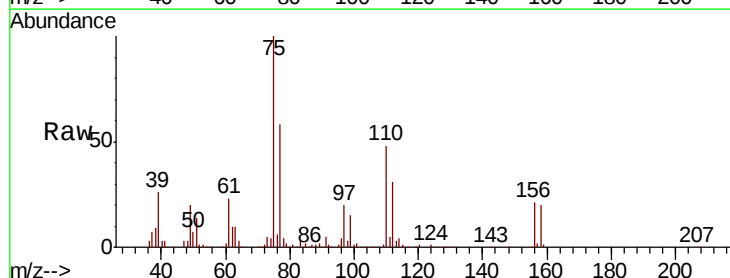
Acq: 03 Nov 2020 12:30

Tgt Ion: 75 Resp: 404202

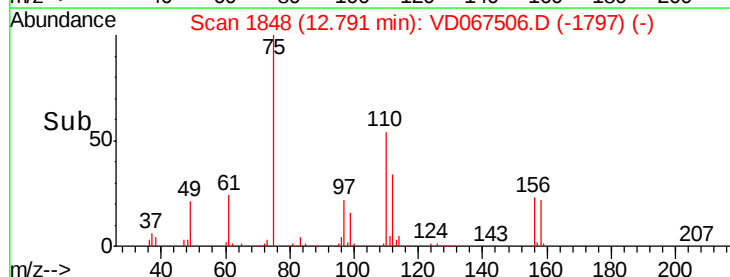
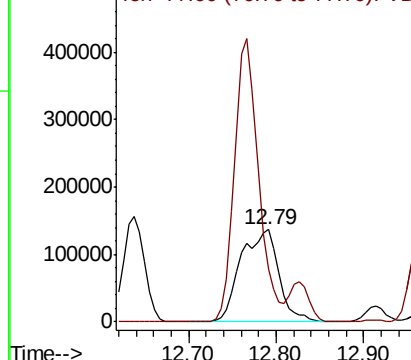
Ion Ratio Lower Upper

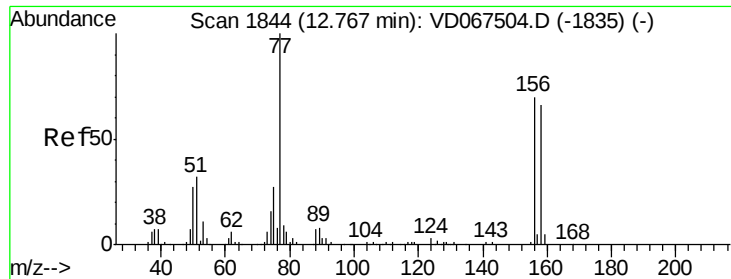
75 100

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: 145.944 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

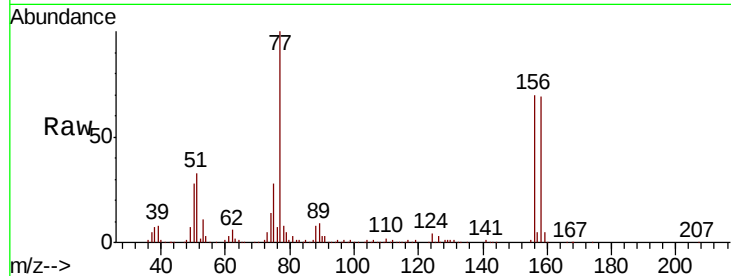
Tot Ion:156 Resp: 512600

Ion Ratio Lower Upper

156 100

77 153.9 77.8 233.5

158 95.7 47.9 143.7

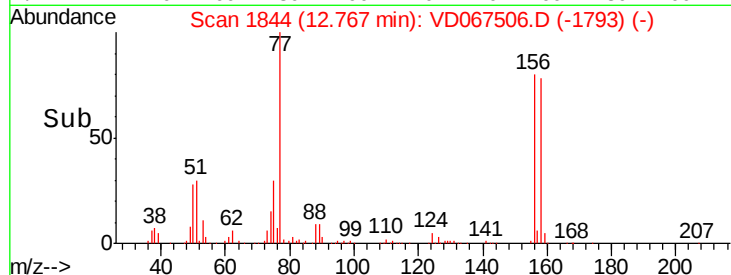


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

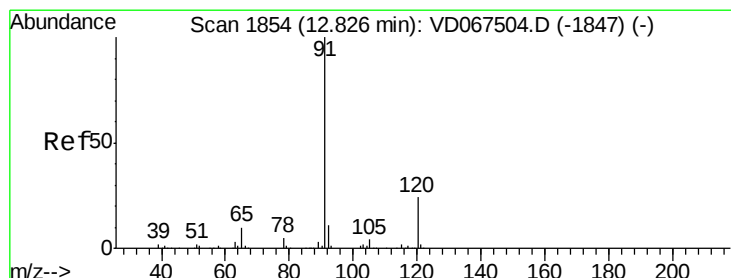
Ion 157.80 (157.50 to 158.50): V

Time-->



12.77

Time-->



#78

n-propylbenzene

Concen: 147.436 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067506.D

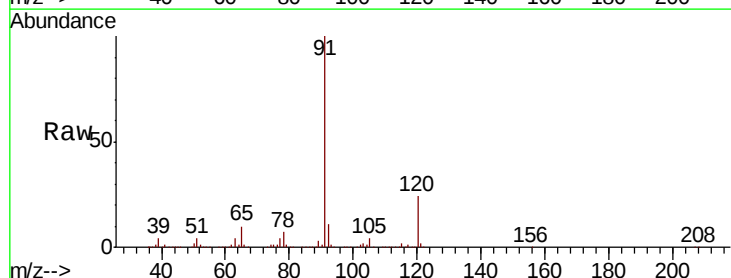
Acq: 03 Nov 2020 12:30

Tgt Ion: 91 Resp: 2411854

Ion Ratio Lower Upper

91 100

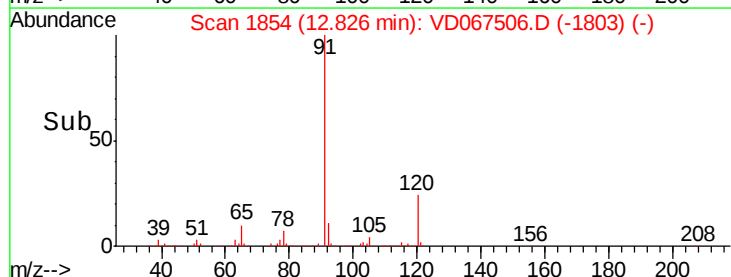
120 24.1 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): V

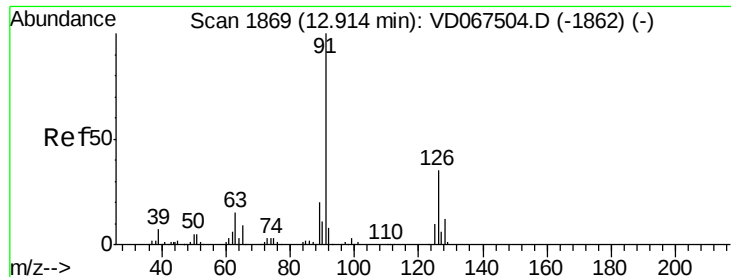
Ion 120.00 (119.70 to 120.70): V

Time-->



12.83

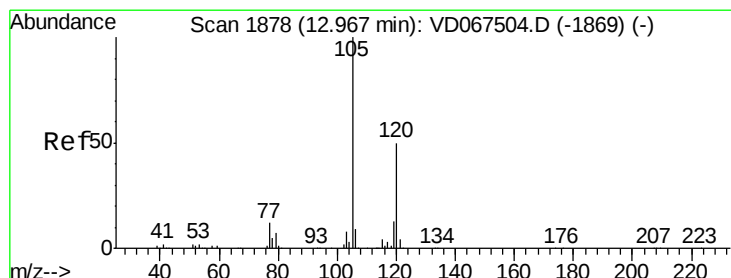
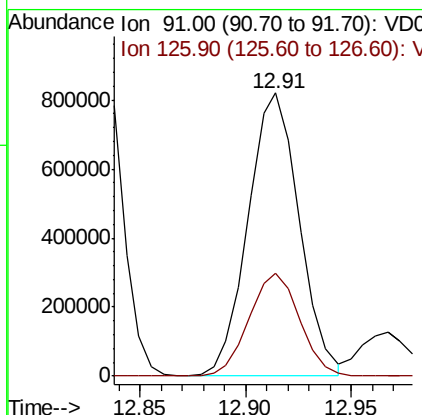
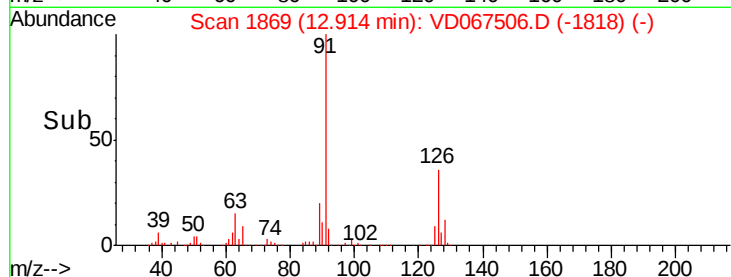
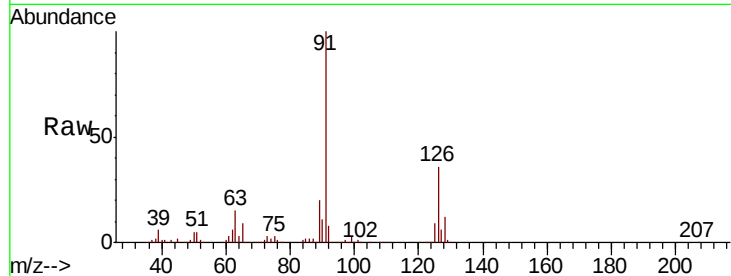
Time-->



#79
 2-Chlorotoluene
 Concen: 148.337 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD067506.D
 Acq: 03 Nov 2020 12:30

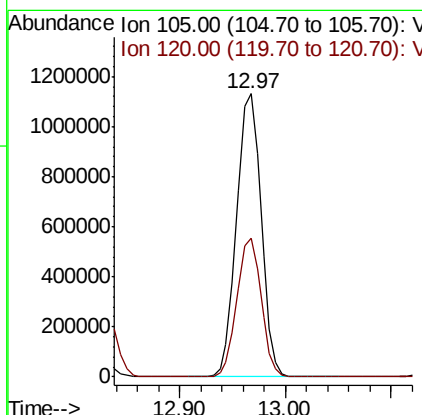
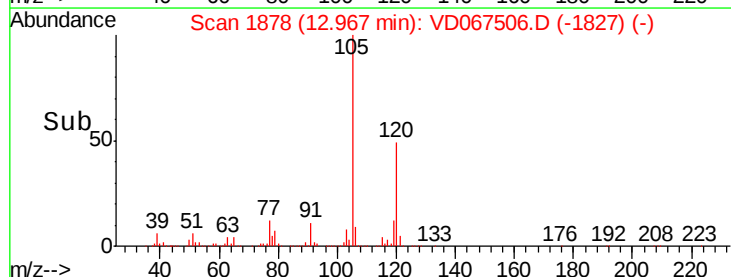
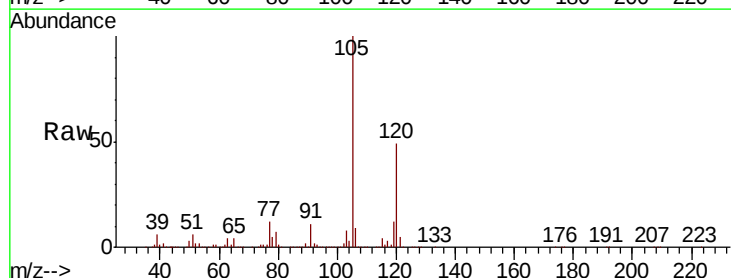
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

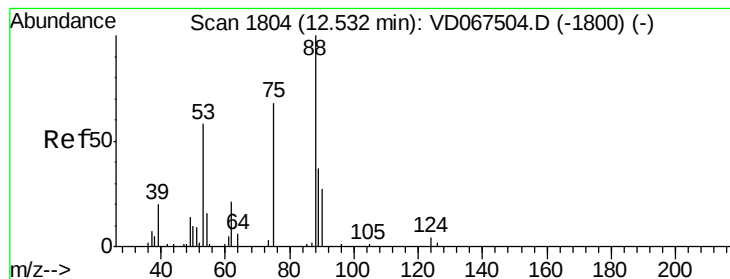
Tot Ion: 91 Resp: 1378411
 Ion Ratio Lower Upper
 91 100
 126 36.0 17.8 53.4



#80
 1,3,5-Trimethylbenzene
 Concen: 148.979 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD067506.D
 Acq: 03 Nov 2020 12:30

Tgt Ion: 105 Resp: 1820104
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 148.526 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

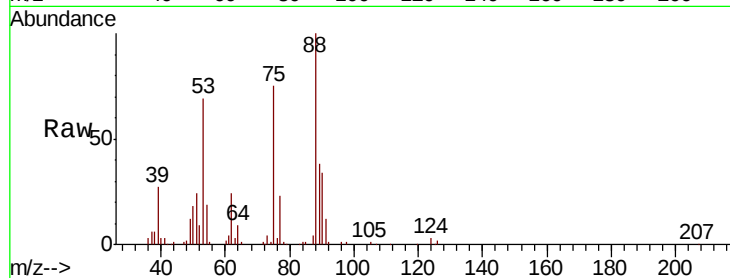
Tot Ion: 75 Resp: 97660

Ion Ratio Lower Upper

75 100

53 96.1 75.9 113.9

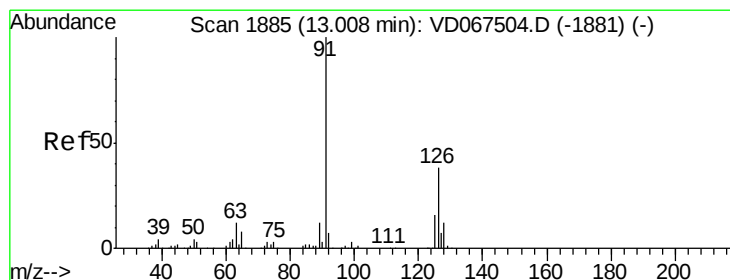
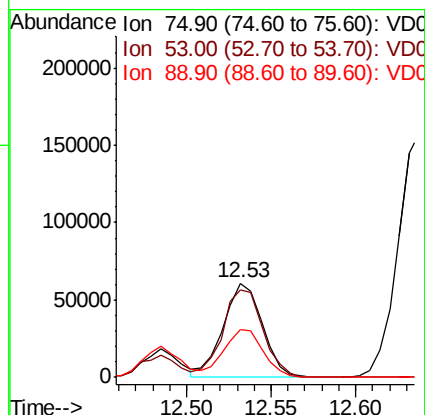
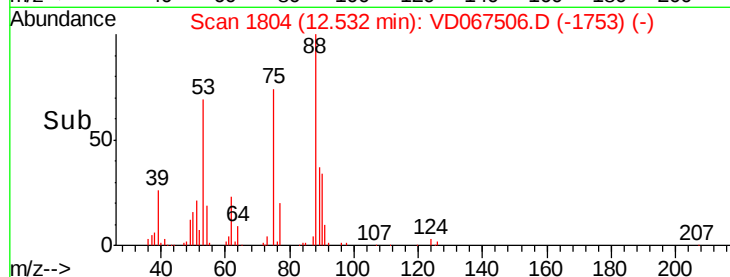
89 51.2 44.6 67.0



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: 145.012 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067506.D

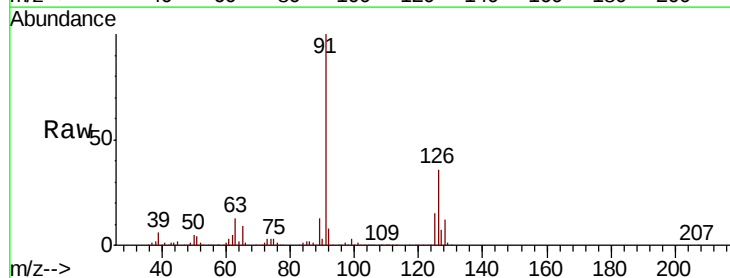
Acq: 03 Nov 2020 12:30

Tgt Ion: 91 Resp: 1445219

Ion Ratio Lower Upper

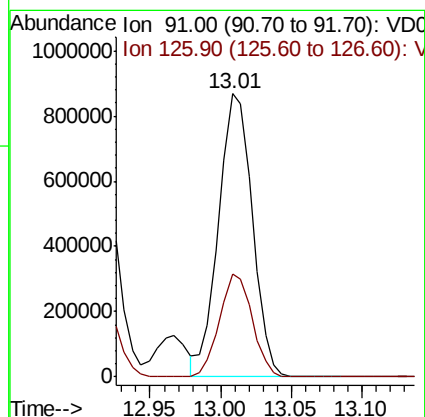
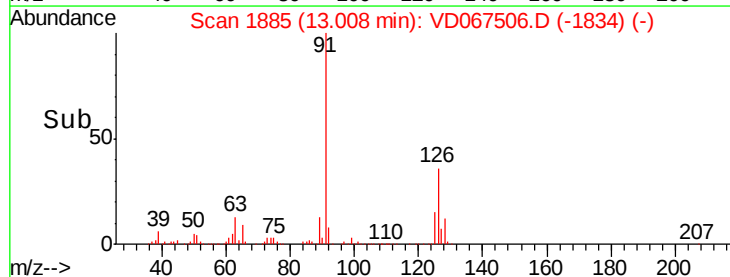
91 100

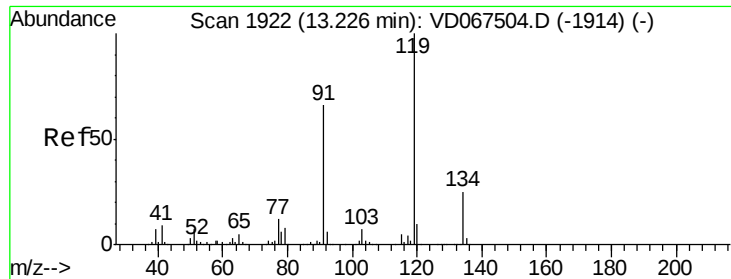
126 35.3 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

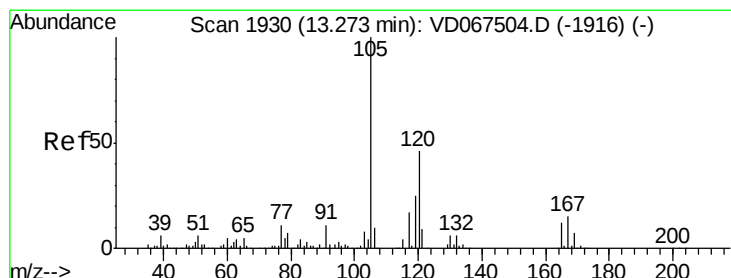
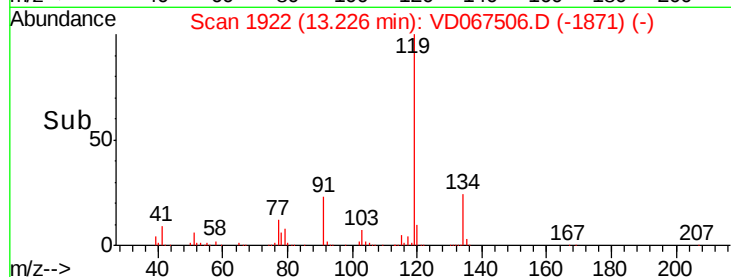
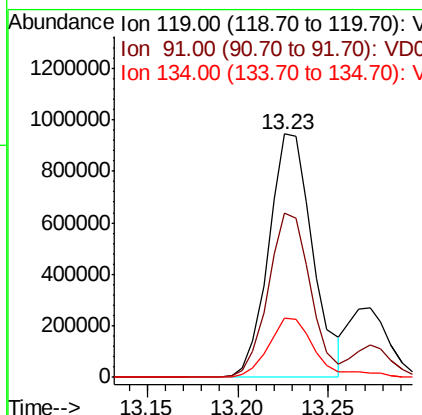
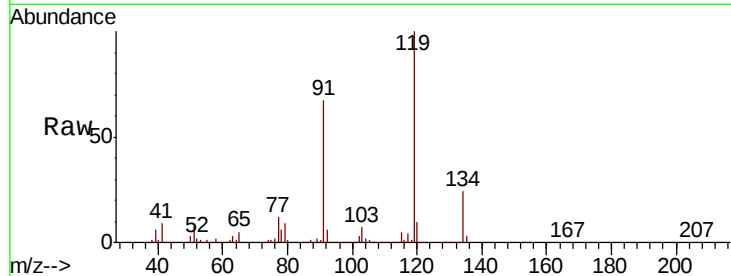




#83
tert-Butylbenzene
Concen: 153.967 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

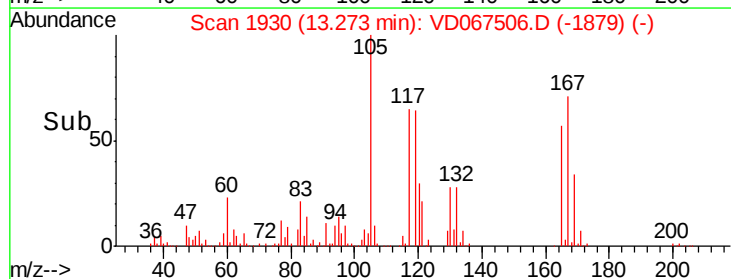
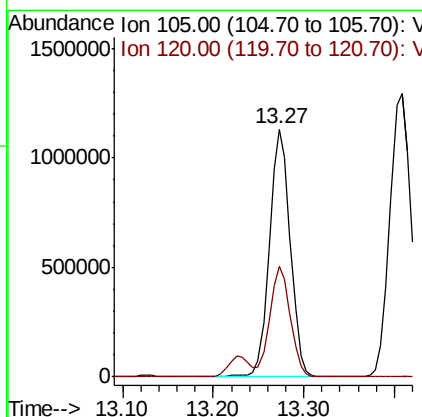
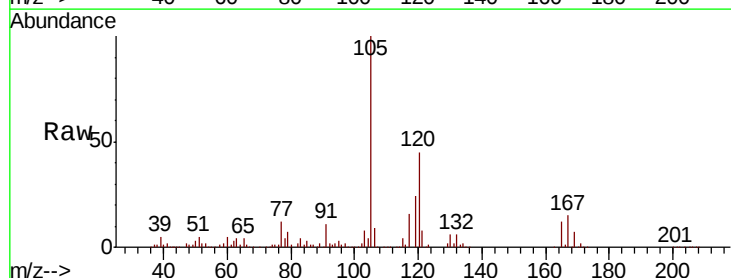
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

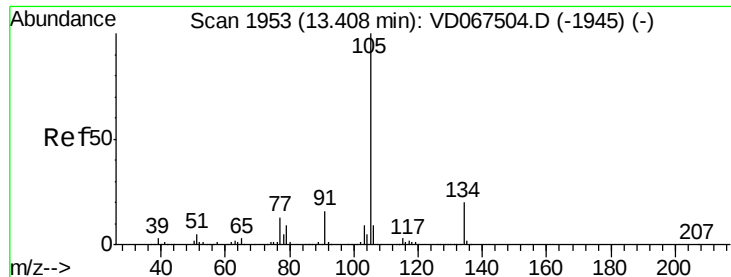
Tot Ion:119 Resp: 1594202
Ion Ratio Lower Upper
119 100
91 65.0 32.7 98.1
134 26.2 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 148.592 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

Tgt Ion:105 Resp: 1807048
Ion Ratio Lower Upper
105 100
120 44.4 22.1 66.1





#85

sec-Butylbenzene

Concen: 150.160 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

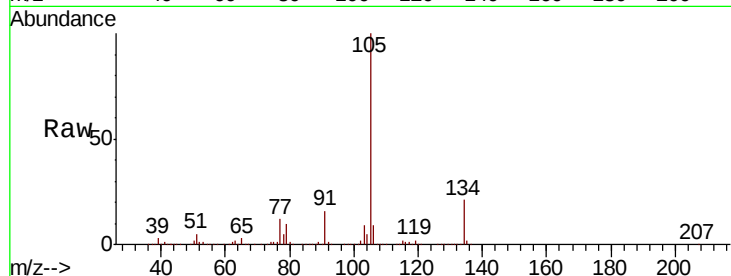
VSTDIC150

Tot Ion:105 Resp: 2098871

Ion Ratio Lower Upper

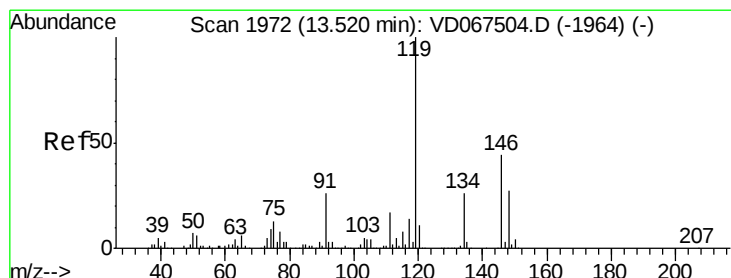
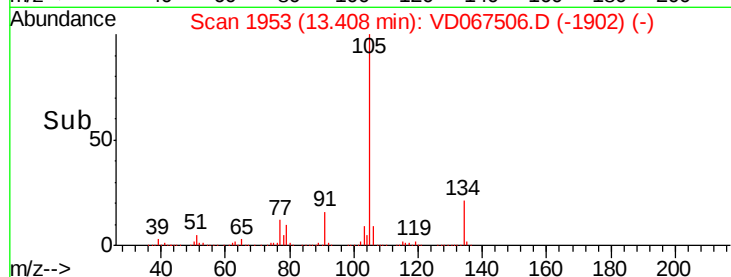
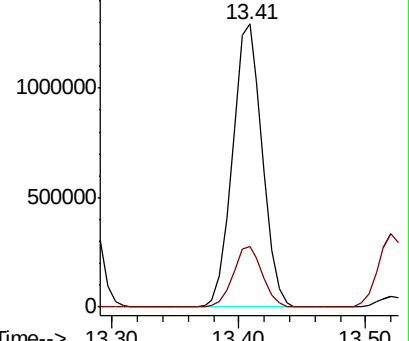
105 100

134 21.3 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 147.343 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

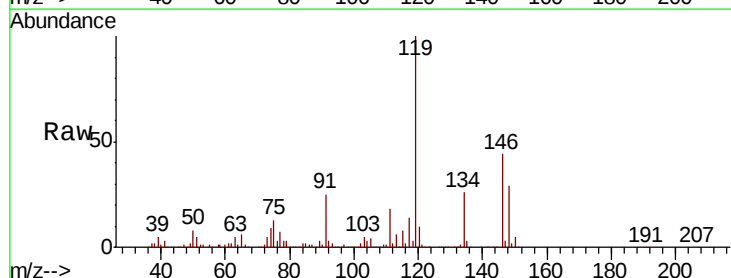
Tgt Ion:119 Resp: 1988804

Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.3

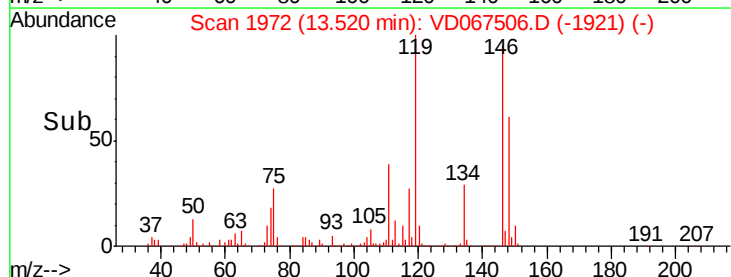
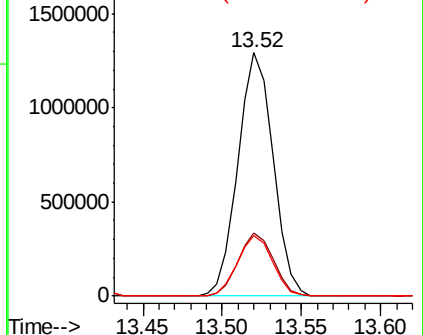
91 24.6 12.2 36.4

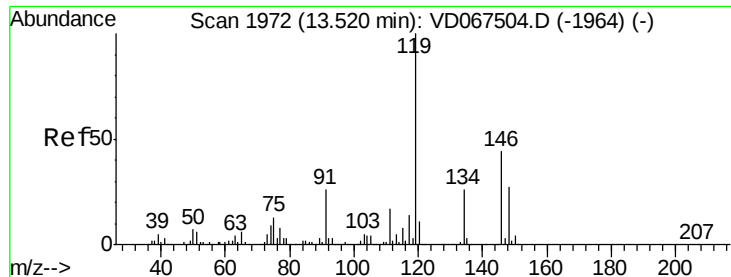


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

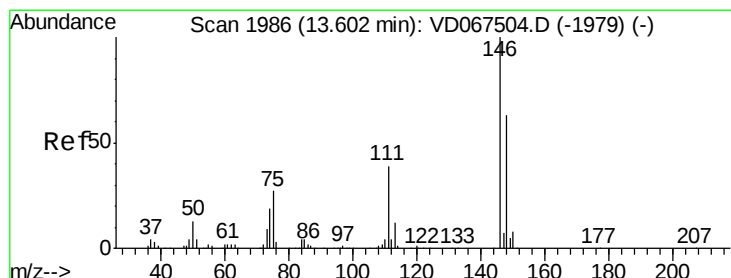
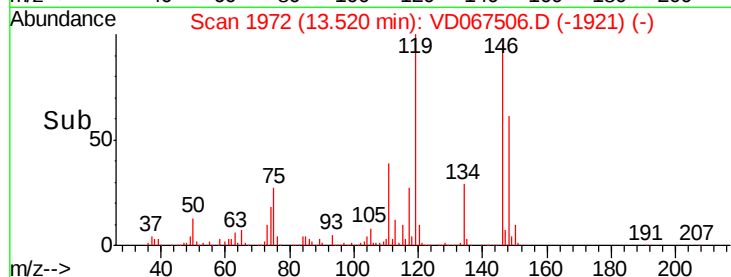
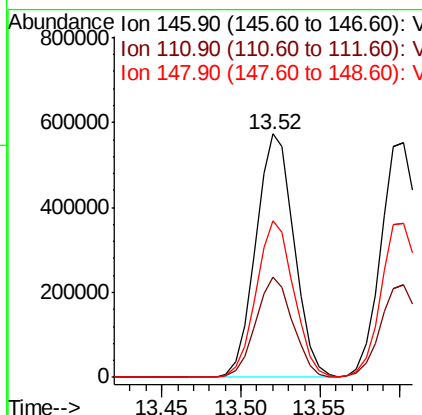
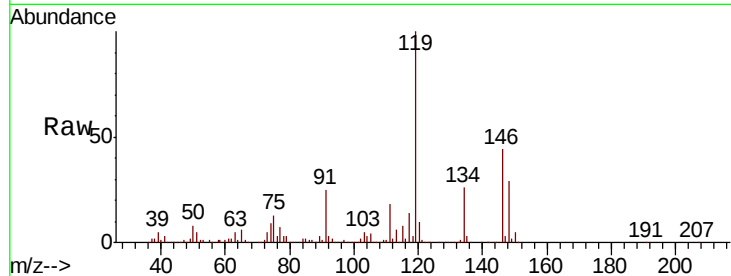




#87
 1,3-Dichlorobenzene
 Concen: 143.352 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067506.D
 Acq: 03 Nov 2020 12:30

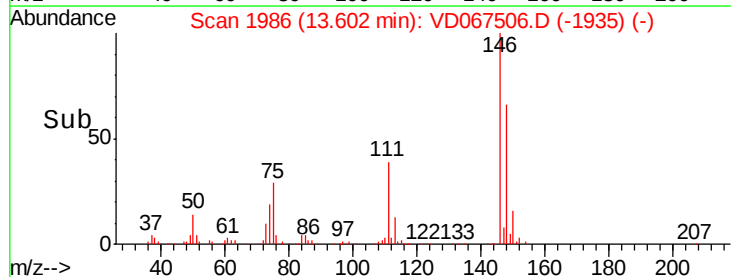
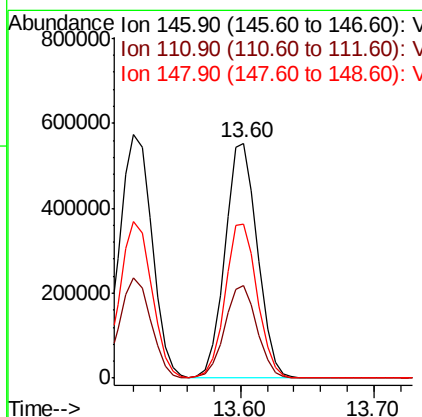
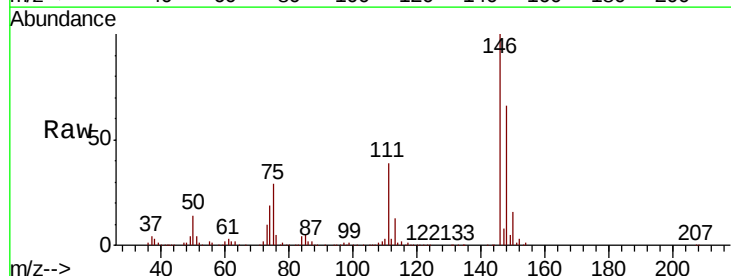
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

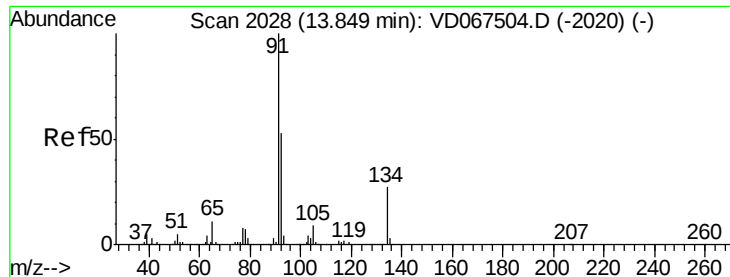
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.3	60.8
148	63.3	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 138.168 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067506.D
 Acq: 03 Nov 2020 12:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.7
148	65.1	31.8	95.4

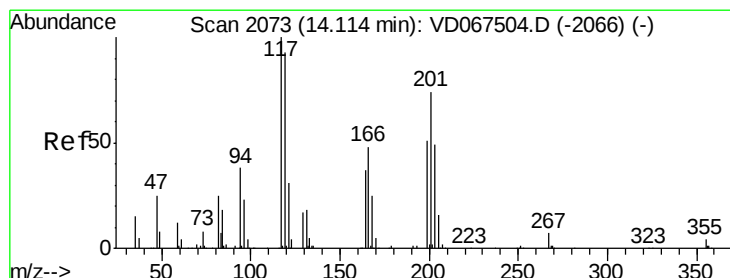
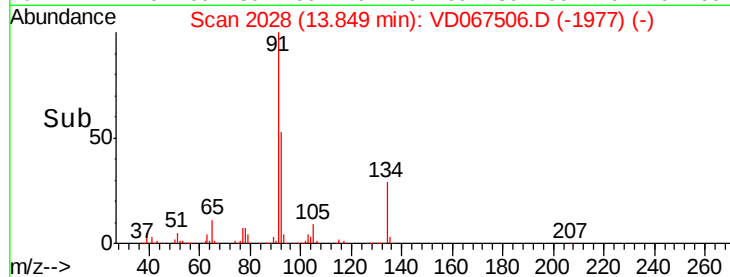
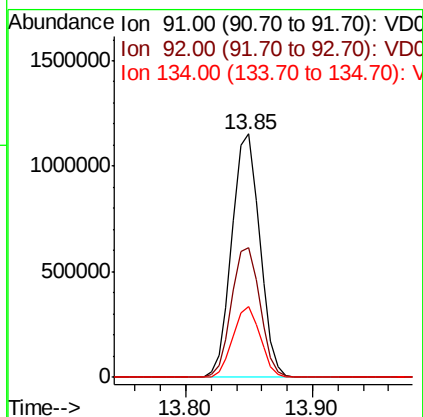
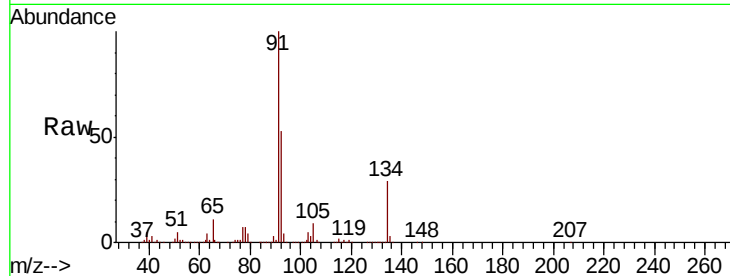




#89
n-Butylbenzene
Concen: 150.636 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

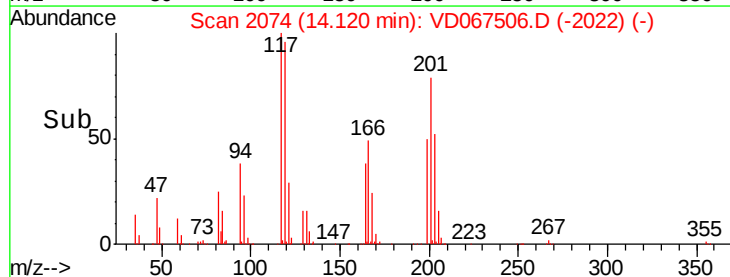
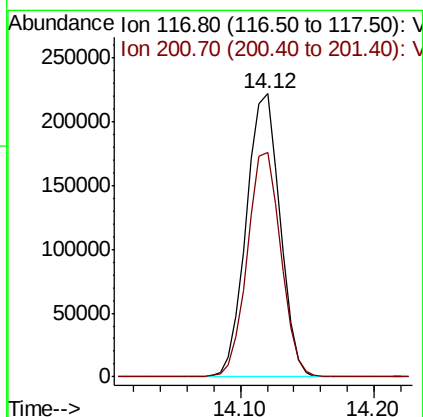
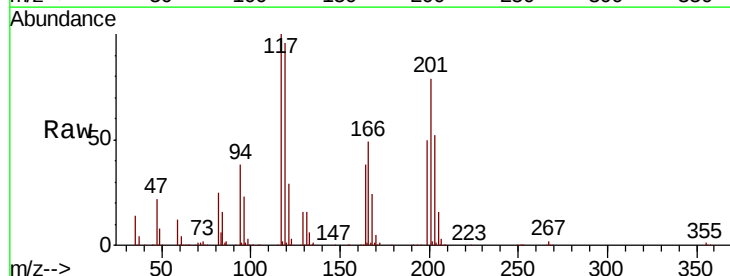
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

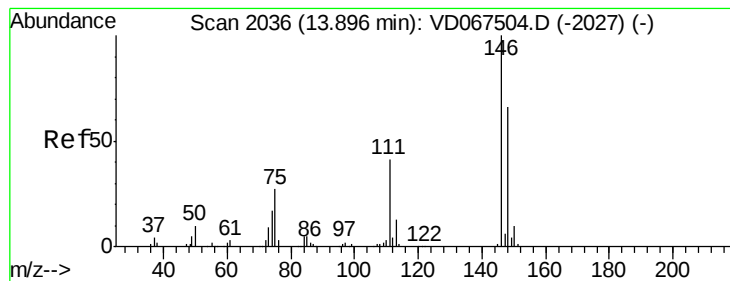
Tot Ion: 91 Resp: 1756240
Ion Ratio Lower Upper
91 100
92 54.3 26.6 79.8
134 28.7 14.1 42.2



#90
Hexachloroethane
Concen: 151.865 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

Tgt Ion: 117 Resp: 386018
Ion Ratio Lower Upper
117 100
201 78.9 40.7 122.1





#91

1,2-Dichlorobenzene

Concen: 142.638 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

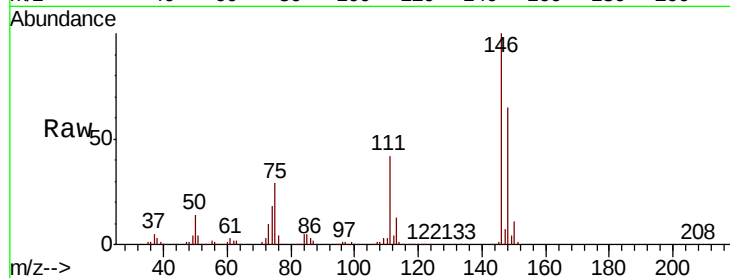
Tot Ion:146 Resp: 827347

Ion Ratio Lower Upper

146 100

111 41.5 20.7 62.1

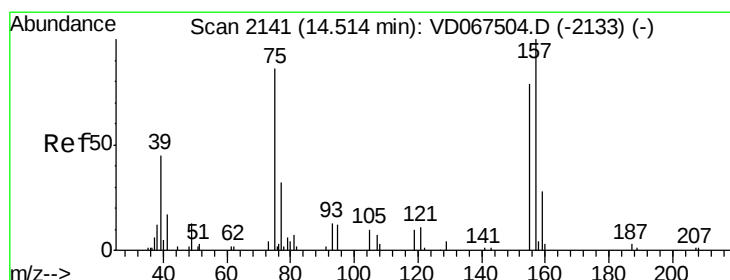
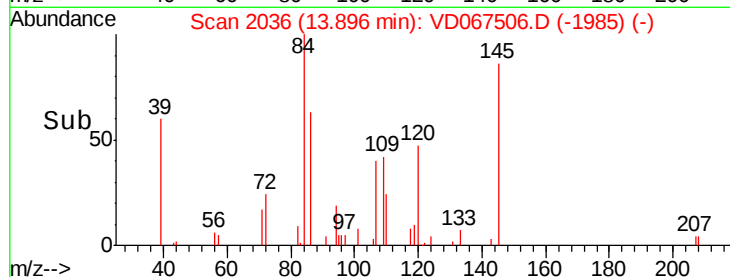
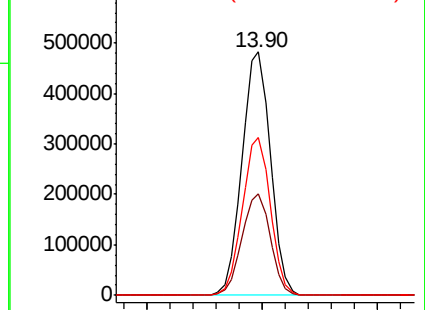
148 63.9 31.5 94.5



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: 155.397 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD067506.D

Acq: 03 Nov 2020 12:30

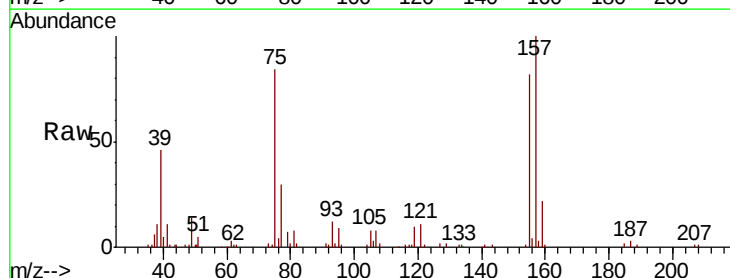
Tgt Ion: 75 Resp: 53657

Ion Ratio Lower Upper

75 100

155 92.6 46.6 139.8

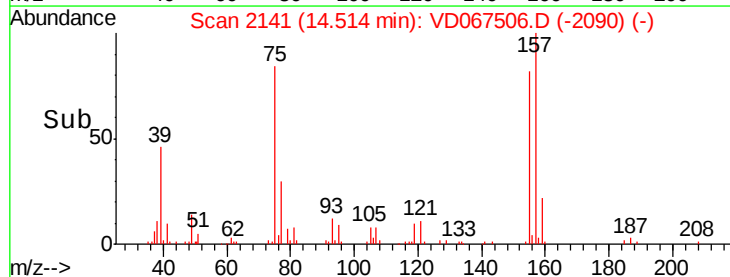
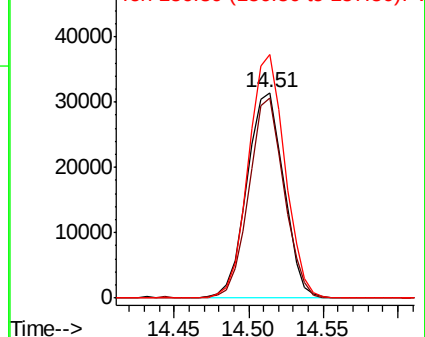
157 116.9 58.1 174.2

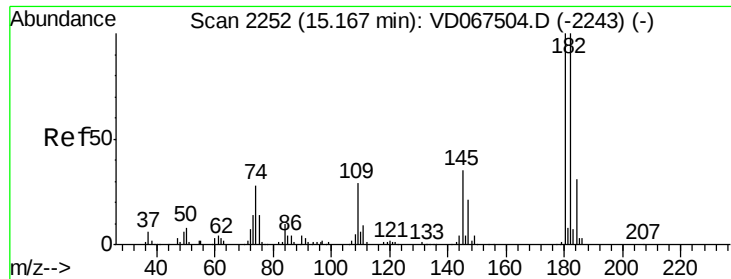


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

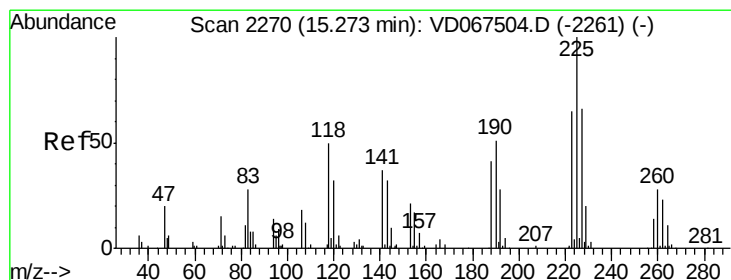
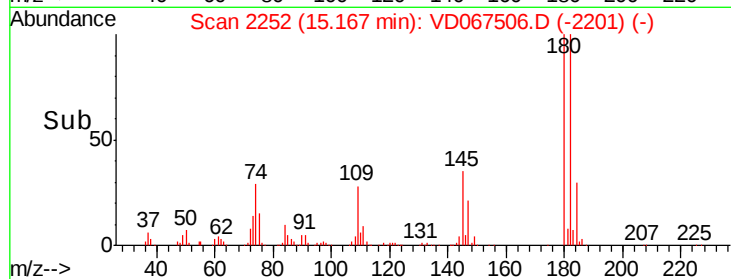
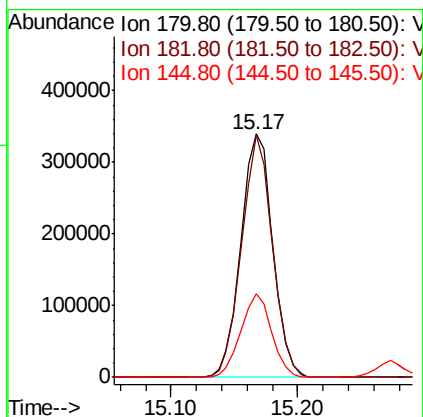
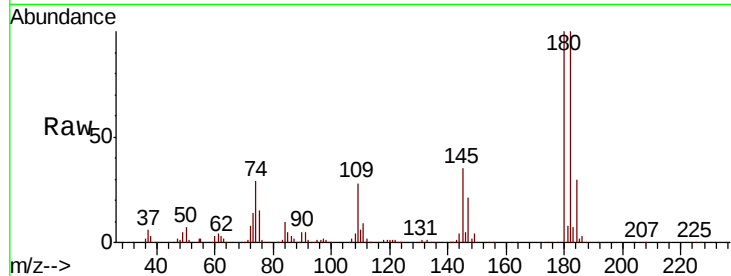




#93
 1,2,4-Trichlorobenzene
 Concen: 150.980 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067506.D
 Acq: 03 Nov 2020 12:30

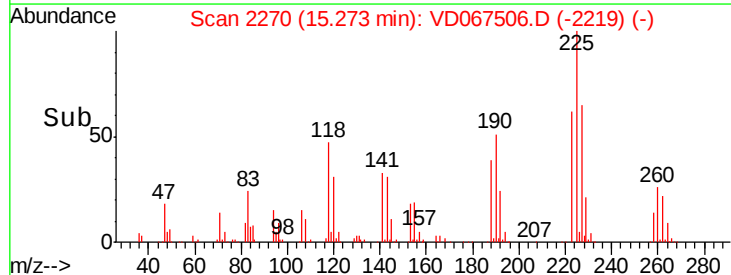
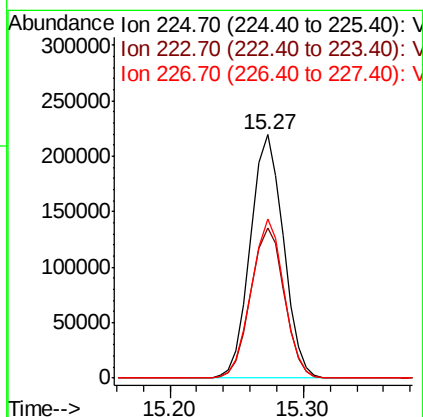
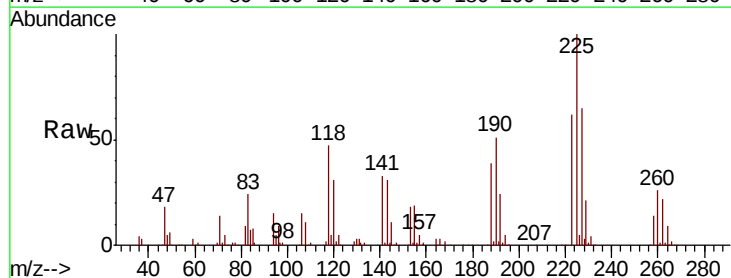
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

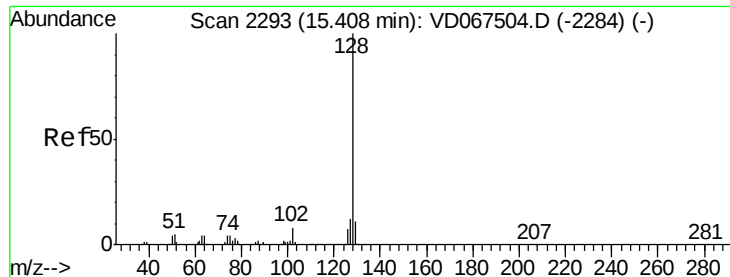
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.4	142.3
145	33.1	16.2	48.6



#94
 Hexachlorobutadiene
 Concen: 141.853 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067506.D
 Acq: 03 Nov 2020 12:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.9	95.5
227	64.9	32.5	97.4

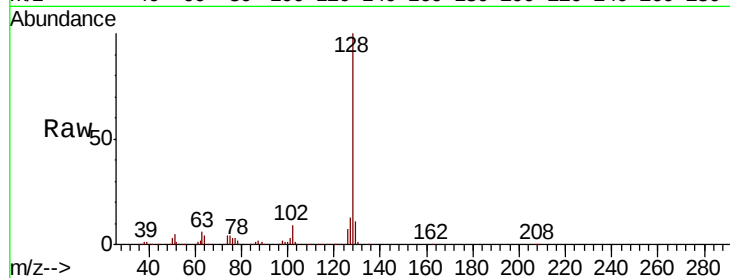




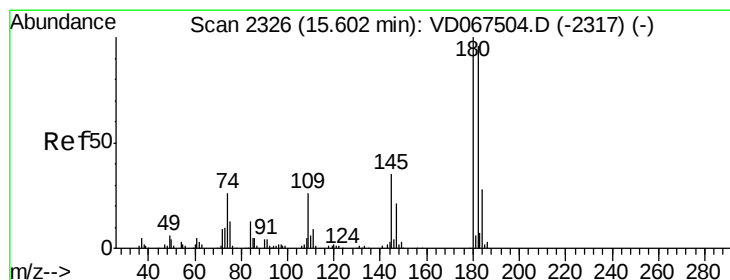
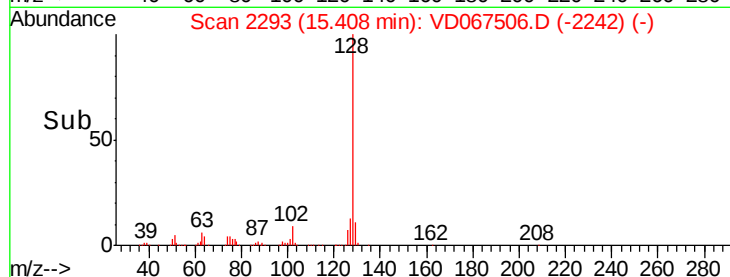
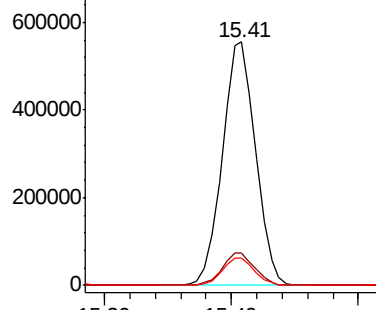
#95
Naphthalene
Concen: 166.441 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:128 Resp: 1011200
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 10.9 8.9 13.3

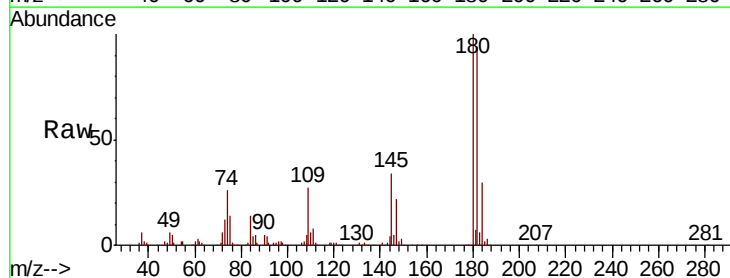


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 150.468 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067506.D
Acq: 03 Nov 2020 12:30

Tgt Ion:180 Resp: 507260
Ion Ratio Lower Upper
180 100
182 95.0 46.9 140.8
145 34.2 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

