

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110320\
 Data File : VD067503.D
 Acq On : 03 Nov 2020 11:10
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Nov 04 00:27:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:25:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	322688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	484004	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	434147	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	221419	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	60378	21.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.80%	
35) Dibromofluoromethane	7.92	113	60811	20.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.70%	
50) Toluene-d8	10.34	98	220043	21.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.94%	
62) 4-Bromofluorobenzene	12.64	95	73455	20.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	65570	22.222	ug/l	92
3) Chloromethane	2.21	50	43352	21.574	ug/l	96
4) Vinyl Chloride	2.35	62	47341	21.131	ug/l	97
5) Bromomethane	2.76	94	37544	20.676	ug/l	88
6) Chloroethane	2.92	64	28296	20.486	ug/l	100
7) Trichlorofluoromethane	3.28	101	122121	21.052	ug/l	97
8) Diethyl Ether	3.71	74	24230	20.730	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	61975	21.166	ug/l	99
10) Methyl Iodide	4.30	142	61028	19.446	ug/l	99
11) Tert butyl alcohol	5.21	59	15628	109.389	ug/l #	79
12) 1,1-Dichloroethene	4.07	96	57506	21.351	ug/l	95
13) Acrolein	3.94	56	6747	65.814	ug/l	99
14) Allyl chloride	4.72	41	56779	19.698	ug/l	98
15) Acrylonitrile	5.43	53	44597	103.216	ug/l	99
16) Acetone	4.16	43	38759	91.796	ug/l	95
17) Carbon Disulfide	4.41	76	171105	20.732	ug/l	99
18) Methyl Acetate	4.71	43	17720	20.309	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	108182	20.363	ug/l	93
20) Methylene Chloride	4.98	84	61741	20.701	ug/l #	93
21) trans-1,2-Dichloroethene	5.48	96	64513	20.565	ug/l	90
22) Diisopropyl ether	6.37	45	120901	21.523	ug/l	96
23) Vinyl Acetate	6.31	43	304293	103.291	ug/l	100
24) 1,1-Dichloroethane	6.27	63	94190	20.497	ug/l	99
25) 2-Butanone	7.22	43	46389	102.821	ug/l	91
26) 2,2-Dichloropropane	7.21	77	99711	20.559	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	66570	20.445	ug/l	97
28) Bromochloromethane	7.55	49	31914	19.524	ug/l	98
29) Tetrahydrofuran	7.56	42	27932	103.357	ug/l	99
30) Chloroform	7.71	83	111108	20.267	ug/l	97
31) Cyclohexane	8.00	56	79849	19.512	ug/l #	92
32) 1,1,1-Trichloroethane	7.91	97	116034	20.513	ug/l	98
36) 1,1-Dichloropropene	8.11	75	84828	20.475	ug/l	99
37) Ethyl Acetate	7.29	43	21968	20.424	ug/l	98
38) Carbon Tetrachloride	8.10	117	110571	20.541	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110320\
 Data File : VD067503.D
 Acq On : 03 Nov 2020 11:10
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Nov 04 00:27:46 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)
39) Methylcyclohexane	9.36	83	95349	19.554	ug/l	96
40) Benzene	8.36	78	233277	20.787	ug/l	100
41) Methacrylonitrile	7.57	41	30456	56.293	ug/l #	36
42) 1,2-Dichloroethane	8.43	62	72273	20.844	ug/l	99
43) Isopropyl Acetate	8.46	43	42351	19.909	ug/l	97
44) Trichloroethene	9.11	130	75132	20.361	ug/l	95
45) 1,2-Dichloropropane	9.40	63	48754	20.094	ug/l	96
46) Dibromomethane	9.48	93	31538	20.443	ug/l	99
47) Bromodichloromethane	9.67	83	87754	20.928	ug/l	97
48) Methyl methacrylate	9.46	41	20829	18.964	ug/l	92
49) 1,4-Dioxane	9.46	88	6386	407.751	ug/l #	84
51) 4-Methyl-2-Pentanone	10.23	43	104197	102.421	ug/l	100
52) Toluene	10.41	92	158526	21.090	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	74184	20.657	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	86793	20.341	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	43007	21.069	ug/l	92
56) Ethyl methacrylate	10.67	69	40964	19.433	ug/l	99
57) 1,3-Dichloropropane	10.95	76	66297	20.183	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	93997	95.624	ug/l	97
59) 2-Hexanone	10.99	43	70496	99.105	ug/l	95
60) Dibromochloromethane	11.14	129	63318	20.969	ug/l	99
61) 1,2-Dibromoethane	11.25	107	42613	20.800	ug/l	99
64) Tetrachloroethene	10.88	164	67872	21.109	ug/l	94
65) Chlorobenzene	11.68	112	174130	20.822	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	67299	20.418	ug/l	97
67) Ethyl Benzene	11.75	91	299587	20.935	ug/l	94
68) m/p-Xylenes	11.86	106	236834	42.539	ug/l	99
69) o-Xylene	12.19	106	105112	21.146	ug/l	99
70) Styrene	12.20	104	186545	21.537	ug/l	98
71) Bromoform	12.37	173	36529	21.730	ug/l #	97
73) Isopropylbenzene	12.49	105	297921	20.819	ug/l	99
74) N-amyl acetate	12.30	43	36256	19.255	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	40074	20.537	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	54419	38.973	ug/l #	100
77) Bromobenzene	12.77	156	73622	20.949	ug/l	98
78) n-propylbenzene	12.83	91	341599	20.870	ug/l	99
79) 2-Chlorotoluene	12.91	91	195611	21.038	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	254209	20.796	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	13117	19.937	ug/l	96
82) 4-Chlorotoluene	13.01	91	209674	21.026	ug/l	99
83) tert-Butylbenzene	13.23	119	211900	20.453	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	255336	20.984	ug/l	100
85) sec-Butylbenzene	13.41	105	281455	20.125	ug/l	98
86) p-Isopropyltoluene	13.53	119	278690	20.635	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	136517	20.358	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	138508	20.398	ug/l	98
89) n-Butylbenzene	13.85	91	232938	19.968	ug/l	99
90) Hexachloroethane	14.12	117	51005	20.054	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	119068	20.516	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7131	20.640	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110320\
Data File : VD067503.D
Acq On : 03 Nov 2020 11:10
Operator : VA/SY
Sample : VSTDICC020
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Quant Time: Nov 04 00:27:46 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

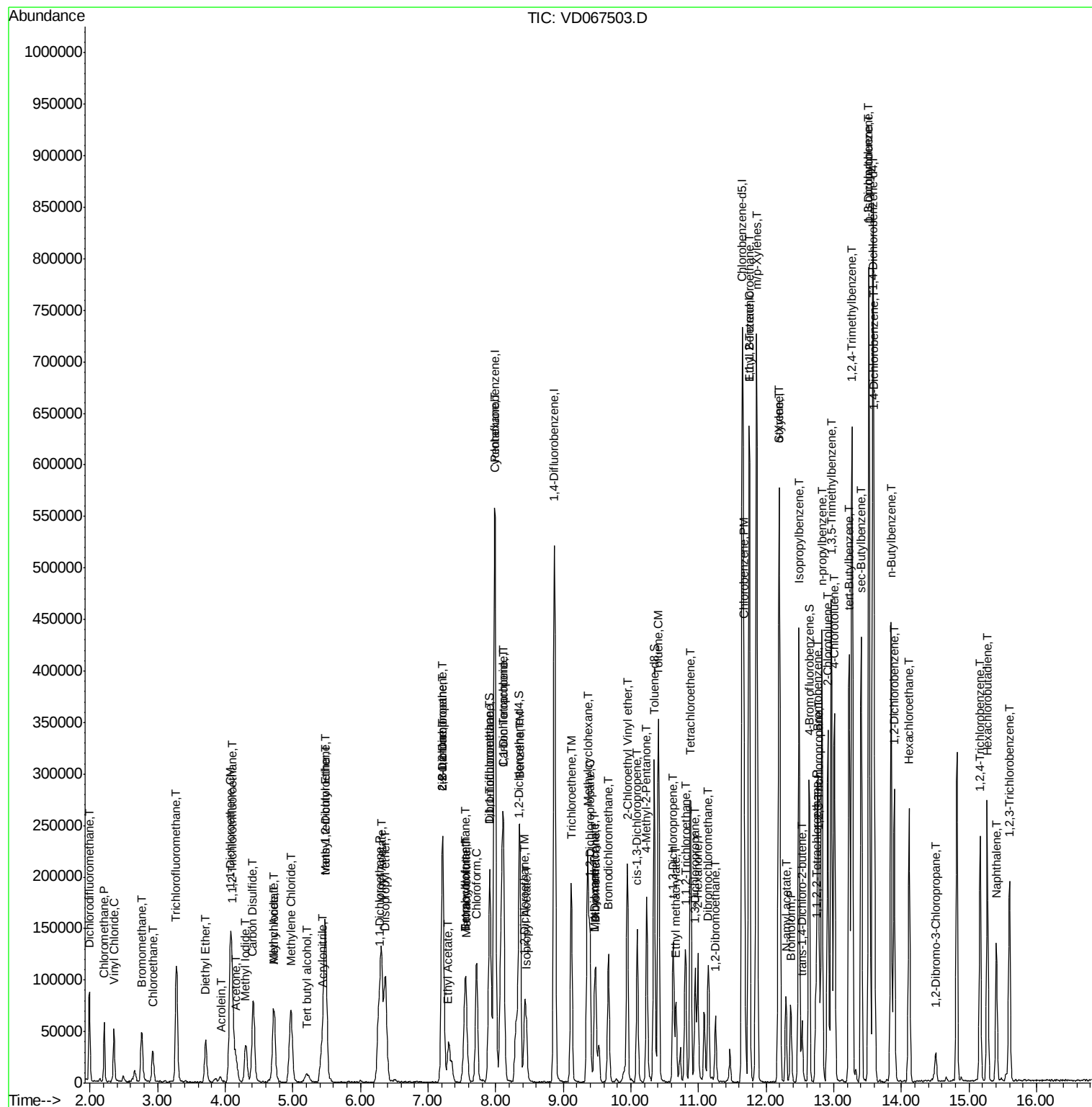
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	79111	20.084	ug/l	97
94) Hexachlorobutadiene	15.27	225	49323	18.709	ug/l	99
95) Naphthalene	15.41	128	118553	19.502	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	68733	20.376	ug/l	99

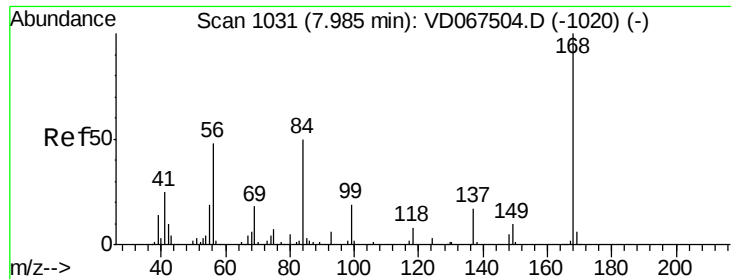
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110320\
 Data File : VD067503.D
 Acq On : 03 Nov 2020 11:10
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Nov 04 00:27:46 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:25:25 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

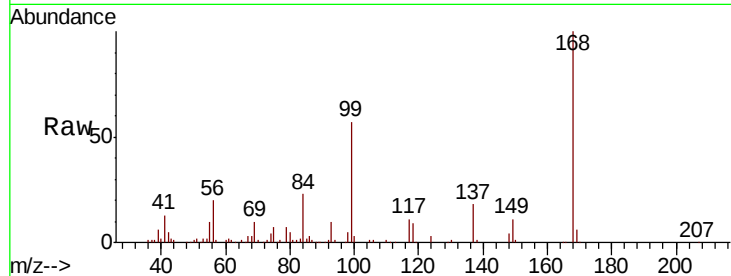
VSTDIC020

Tot Ion:168 Resp: 322688

Ion Ratio Lower Upper

168 100

99 56.0 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

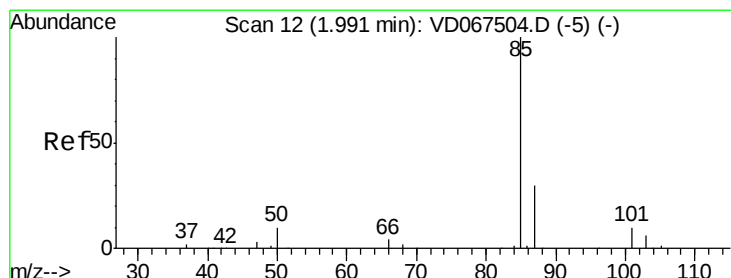
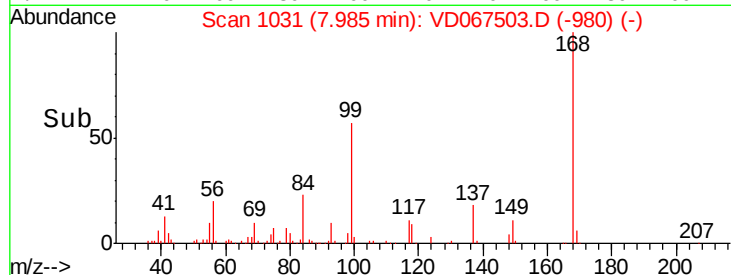
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 22.222 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD067503.D

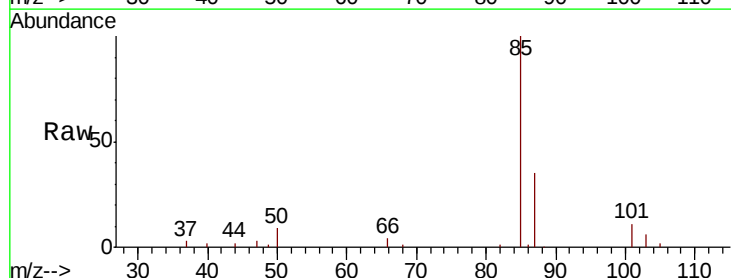
Acq: 03 Nov 2020 11:10

Tgt Ion: 85 Resp: 65570

Ion Ratio Lower Upper

85 100

87 34.7 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

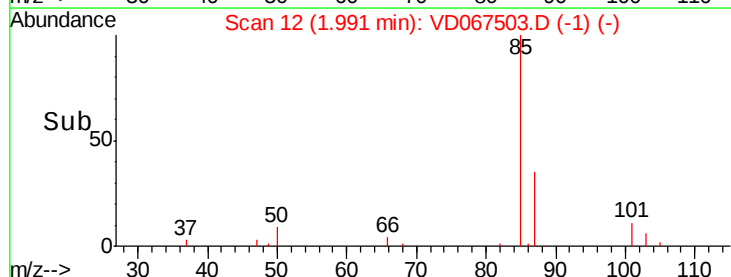
20000

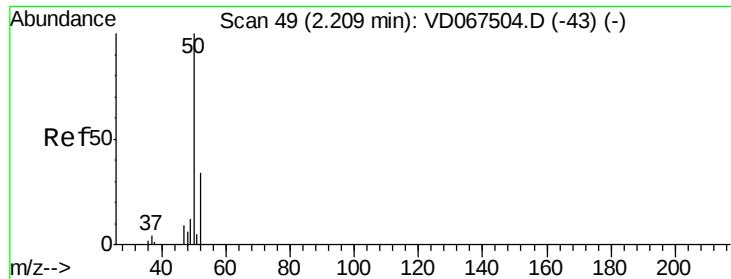
10000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.574 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

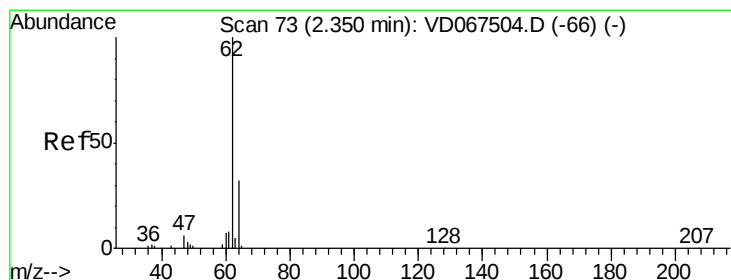
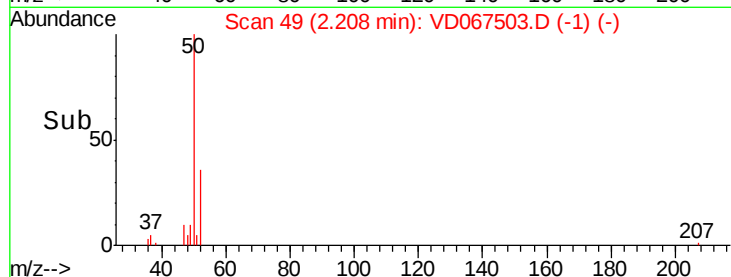
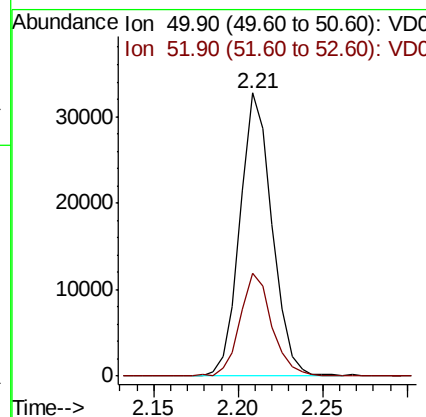
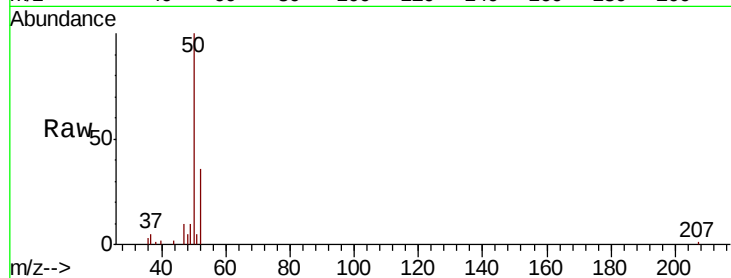
VSTDIC020

Tot Ion: 50 Resp: 43352

Ion Ratio Lower Upper

50 100

52 36.2 27.3 40.9



#4

Vinyl Chloride

Concen: 21.131 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067503.D

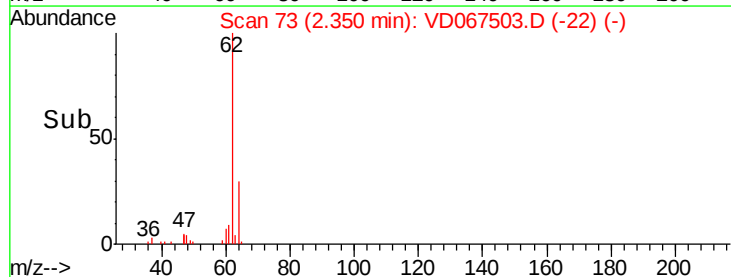
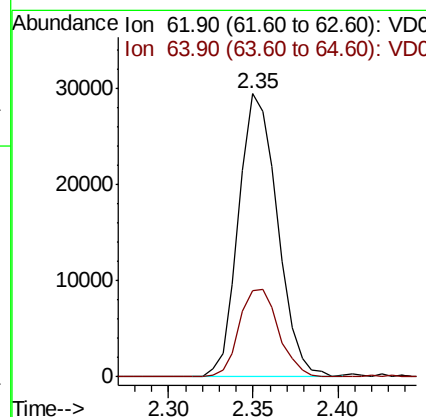
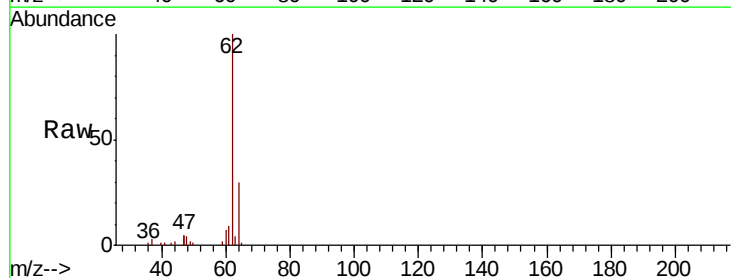
Acq: 03 Nov 2020 11:10

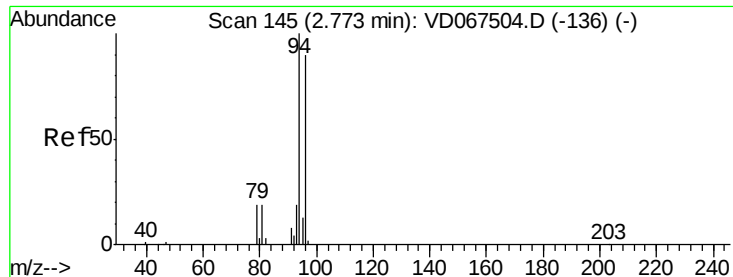
Tgt Ion: 62 Resp: 47341

Ion Ratio Lower Upper

62 100

64 30.5 25.6 38.4





#5

Bromomethane

Concen: 20.676 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

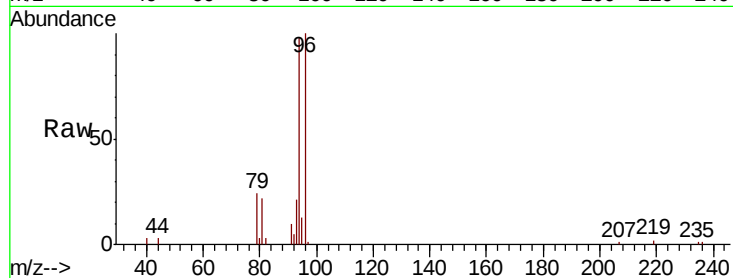
VSTDIC020

Tot Ion: 94 Resp: 37544

Ion Ratio Lower Upper

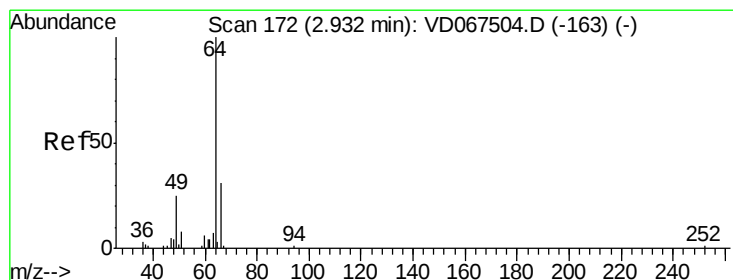
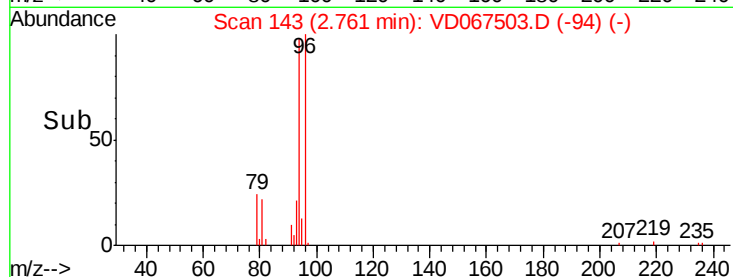
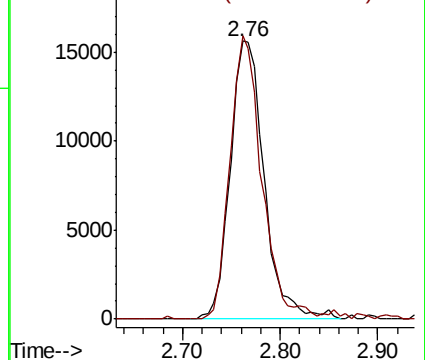
94 100

96 101.8 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: 20.486 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD067503.D

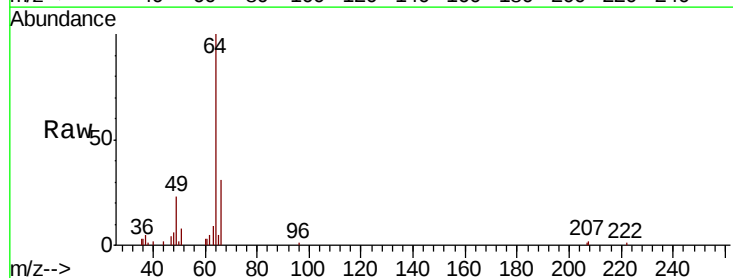
Acq: 03 Nov 2020 11:10

Tgt Ion: 64 Resp: 28296

Ion Ratio Lower Upper

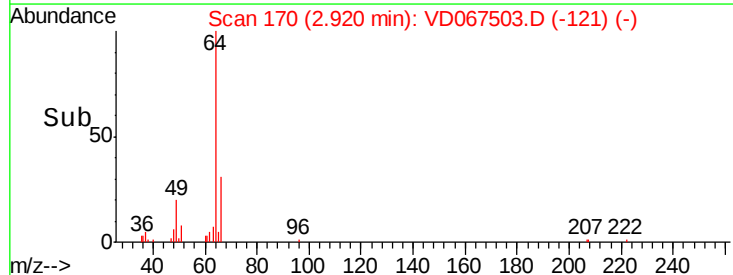
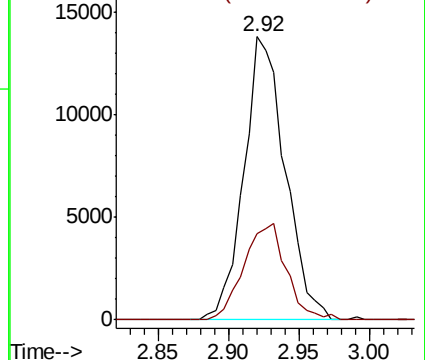
64 100

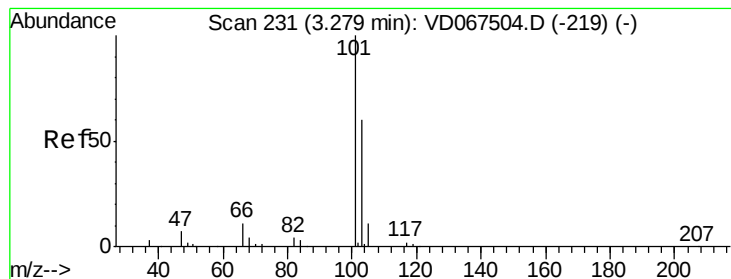
66 30.6 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



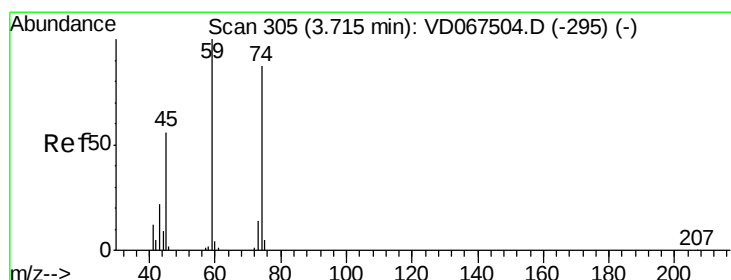
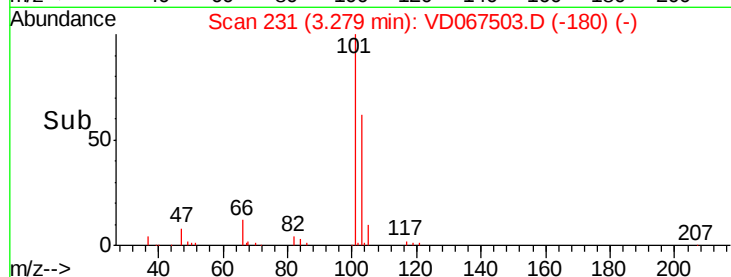
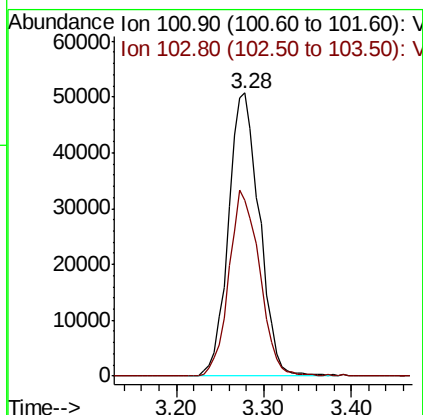
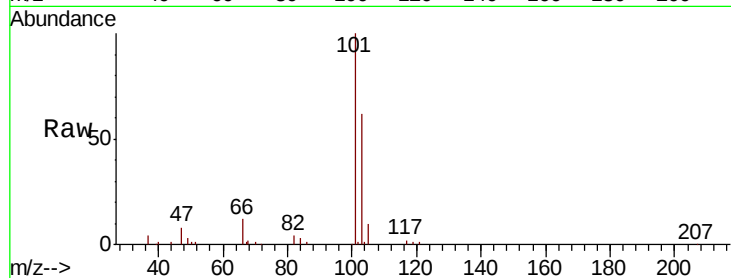


#7

Trichlorofluoromethane
Concen: 21.052 ug/l
RT: 3.28 min Scan# 231
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

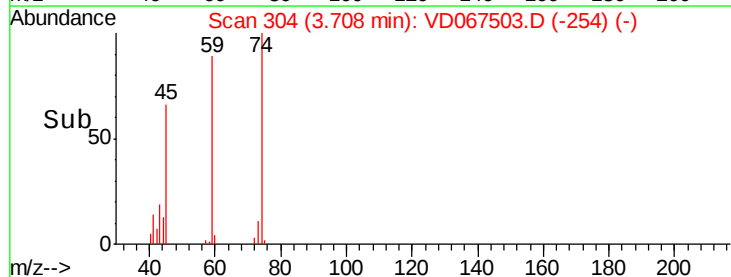
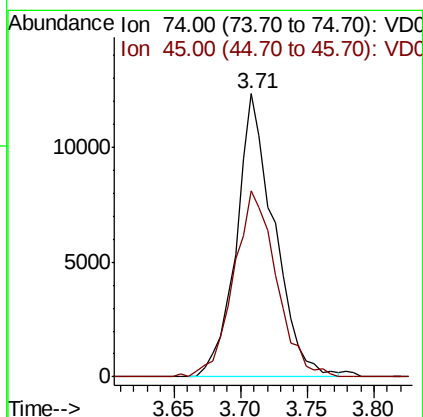
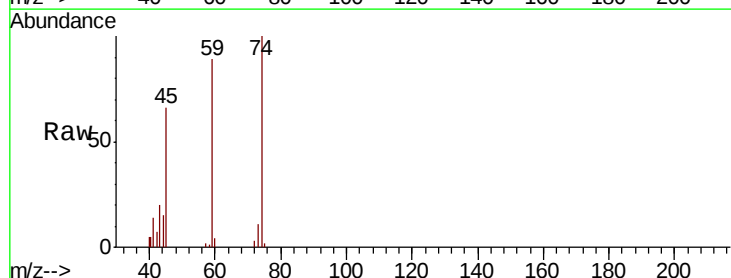
Tot Ion:101 Resp: 122121
Ion Ratio Lower Upper
101 100
103 62.1 48.1 72.1

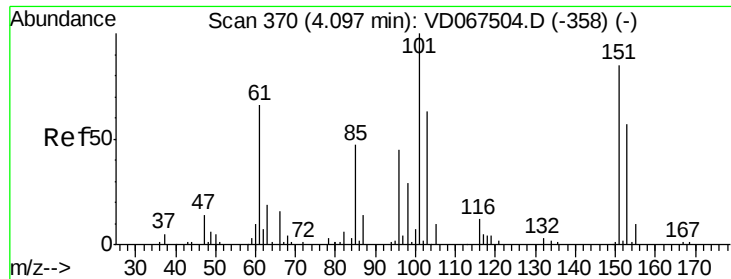


#8

Diethyl Ether
Concen: 20.730 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.01 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion: 74 Resp: 24230
Ion Ratio Lower Upper
74 100
45 74.6 38.2 114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.166 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

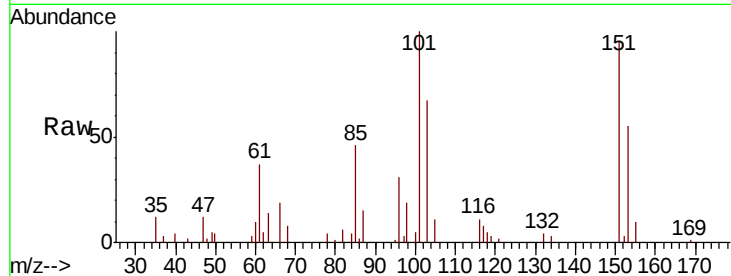
Tot Ion:101 Resp: 61975

Ion Ratio Lower Upper

101 100

85 42.5 34.4 51.6

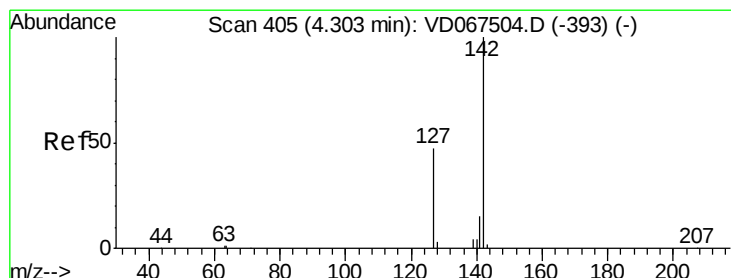
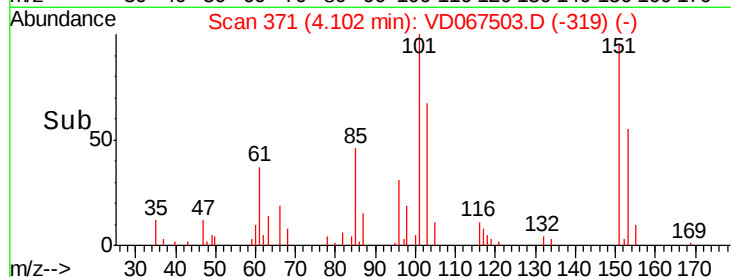
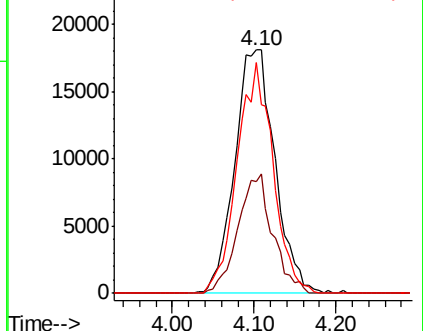
151 84.2 68.1 102.1



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: 19.446 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

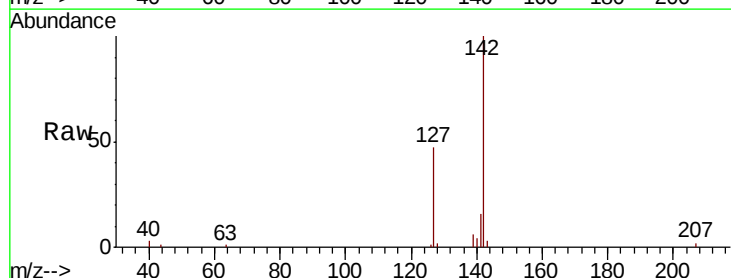
Tgt Ion:142 Resp: 61028

Ion Ratio Lower Upper

142 100

127 50.4 40.0 60.0

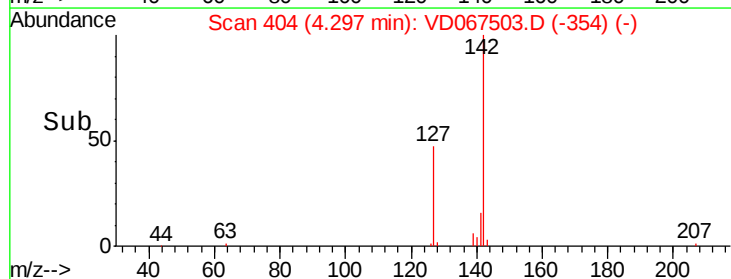
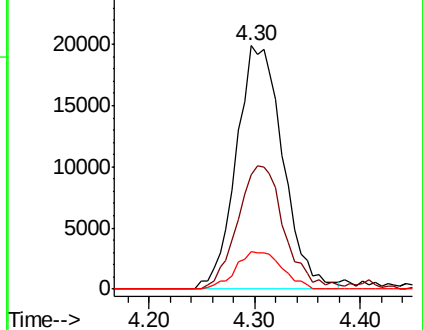
141 15.3 11.7 17.5

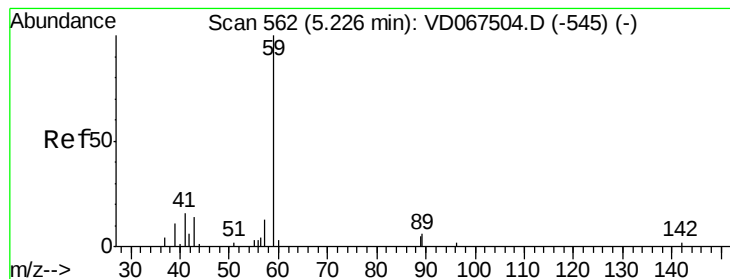


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



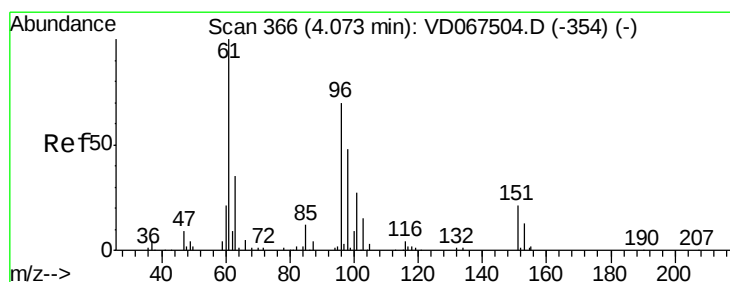
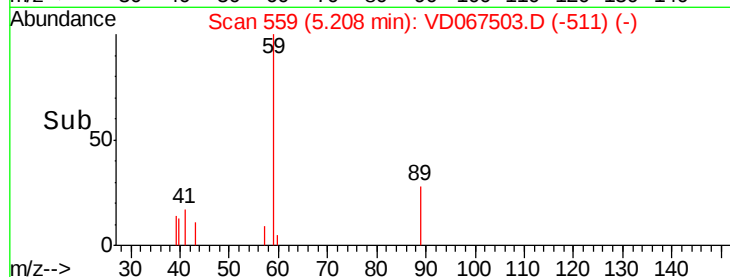
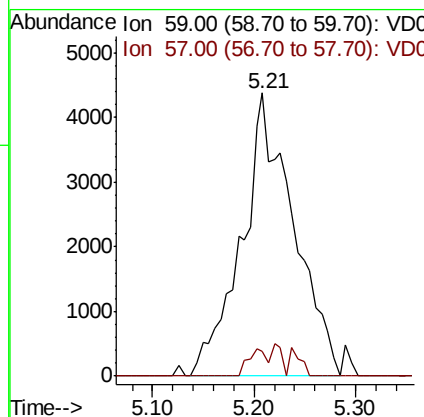
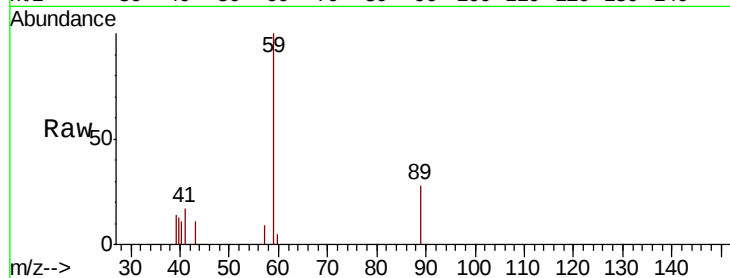


#11

Tert butyl alcohol
 Concen: 109.389 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. -0.02 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

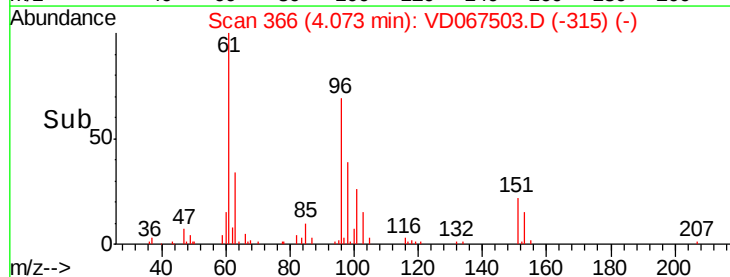
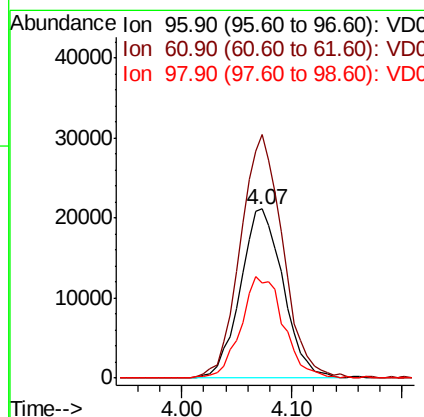
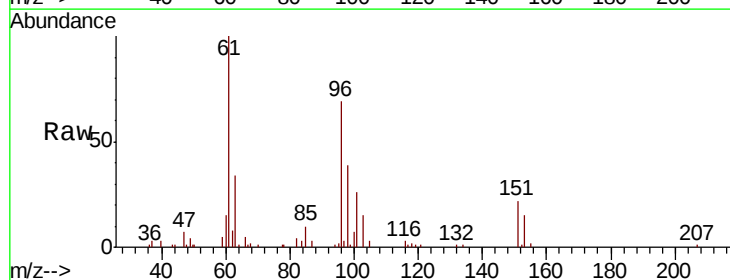
Tot Ion: 59 Resp: 15628
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.9 8.9#

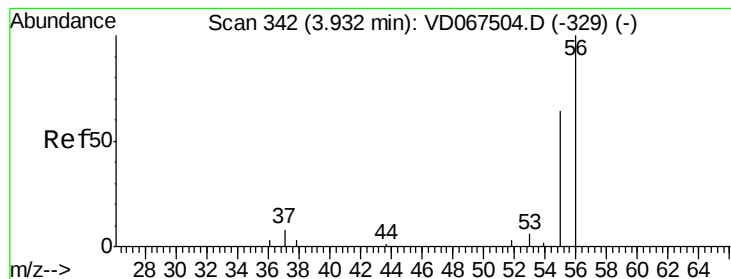


#12

1,1-Dichloroethene
 Concen: 21.351 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. -0.00 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

Tgt Ion: 96 Resp: 57506
 Ion Ratio Lower Upper
 96 100
 61 144.2 114.5 171.7
 98 56.0 54.5 81.7





#13

Acrolein

Concen: 65.814 ug/l

RT: 3.94 min Scan# 343

Delta R.T. 0.01 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

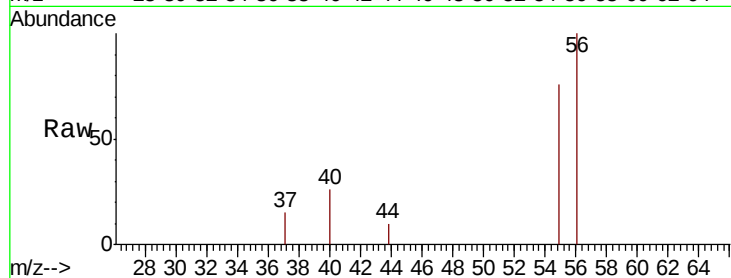
VSTDIC020

Tot Ion: 56 Resp: 6747

Ion Ratio Lower Upper

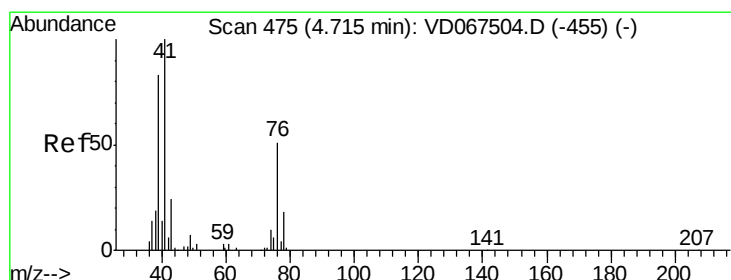
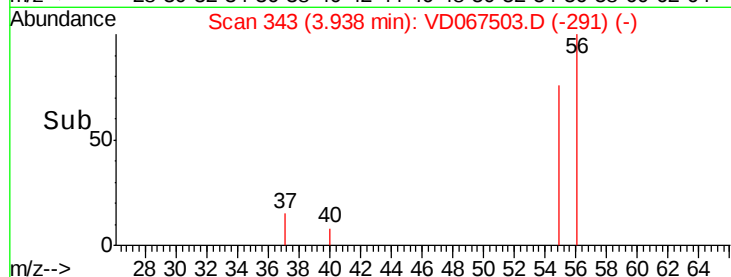
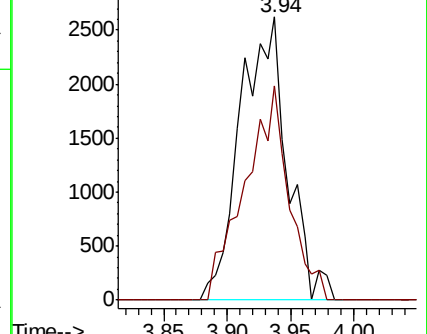
56 100

55 71.0 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.698 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

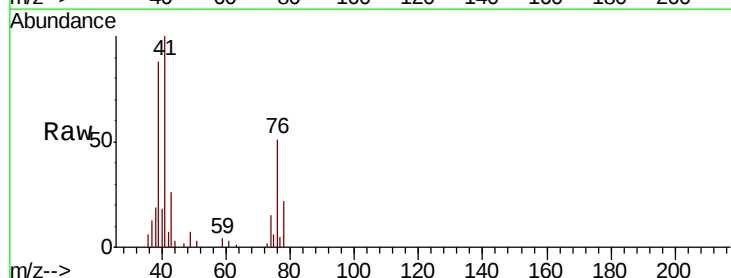
Tgt Ion: 41 Resp: 56779

Ion Ratio Lower Upper

41 100

39 86.9 67.4 101.0

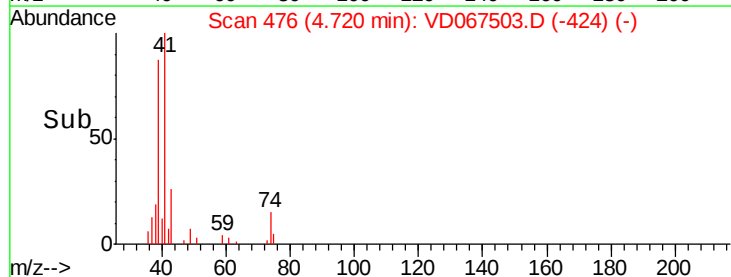
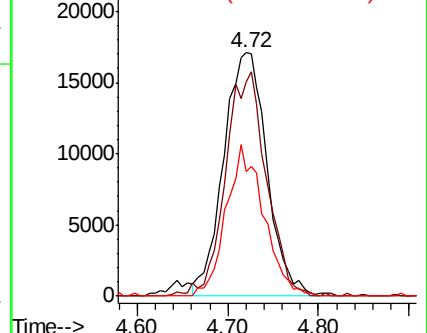
76 53.8 42.2 63.2

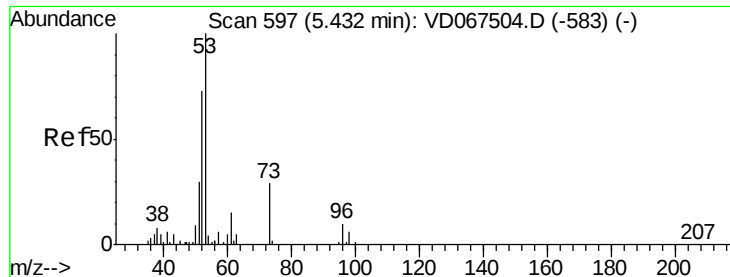


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 103.216 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

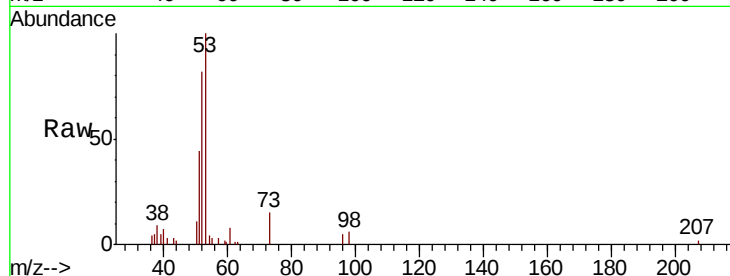
Tot Ion: 53 Resp: 44597

Ion Ratio Lower Upper

53 100

52 81.1 64.8 97.2

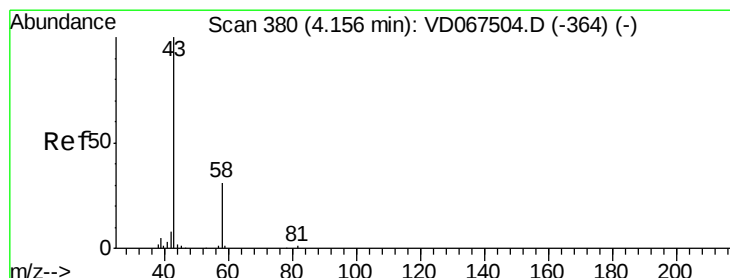
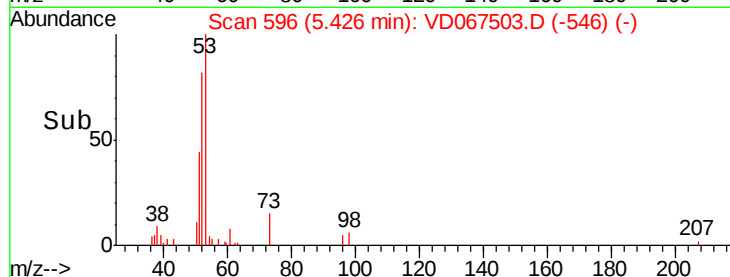
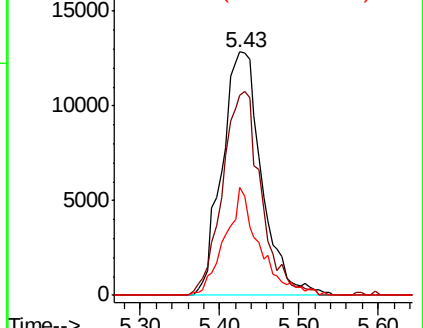
51 38.3 29.5 44.3



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: 91.796 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067503.D

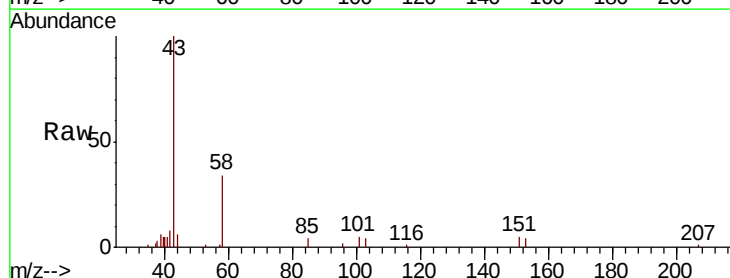
Acq: 03 Nov 2020 11:10

Tgt Ion: 43 Resp: 38759

Ion Ratio Lower Upper

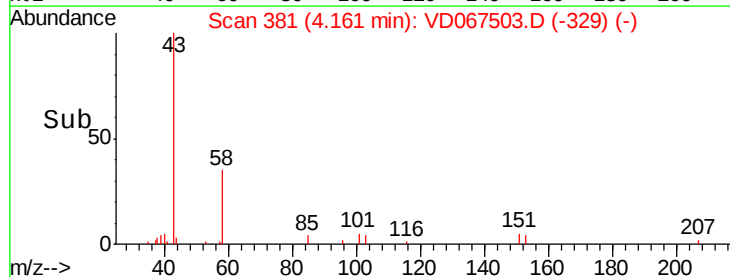
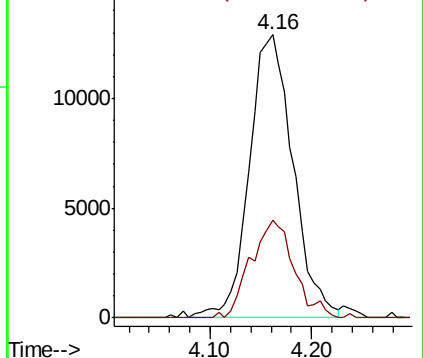
43 100

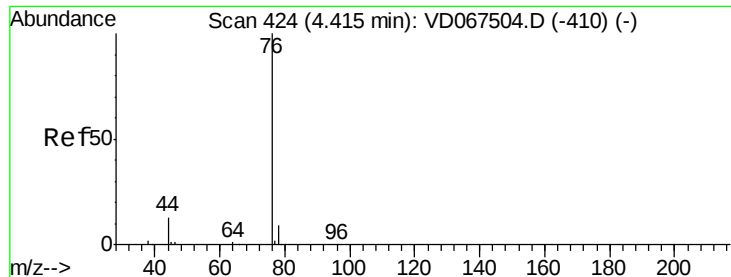
58 34.3 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

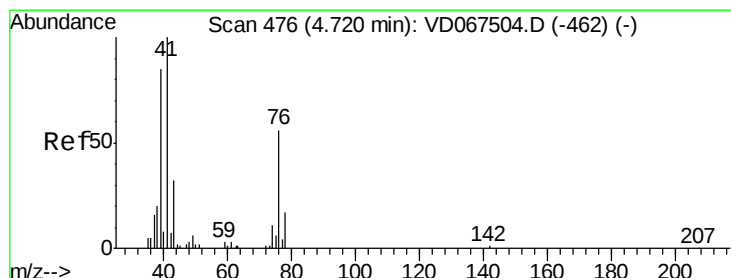
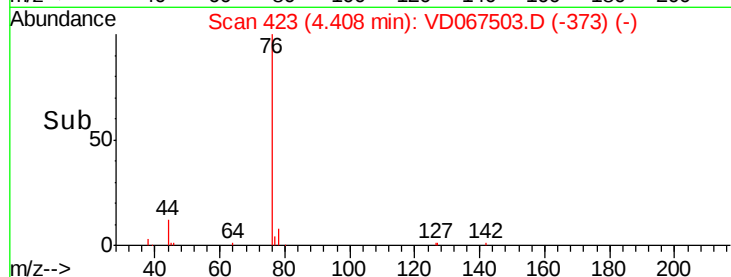
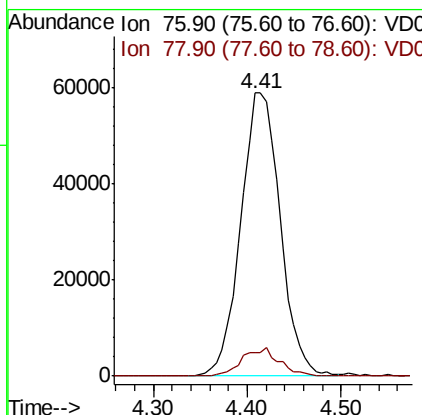
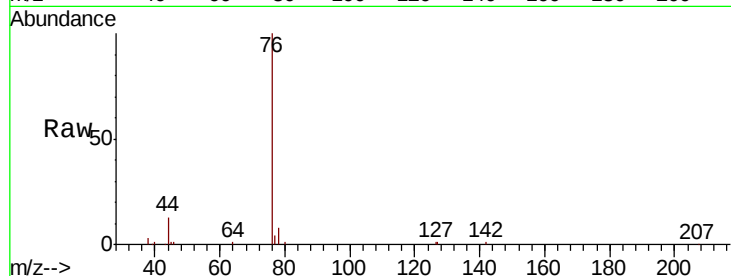




#17
Carbon Disulfide
Concen: 20.732 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

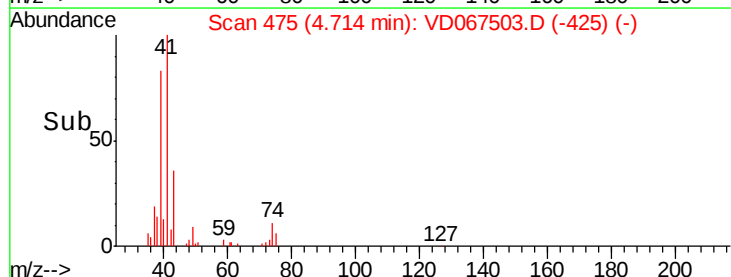
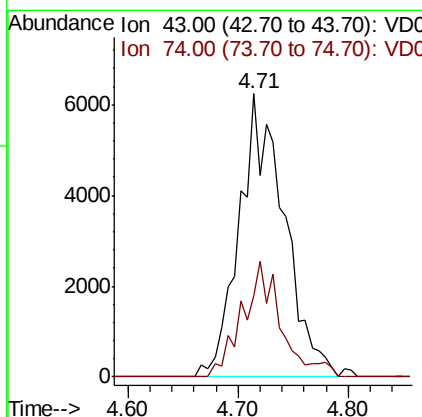
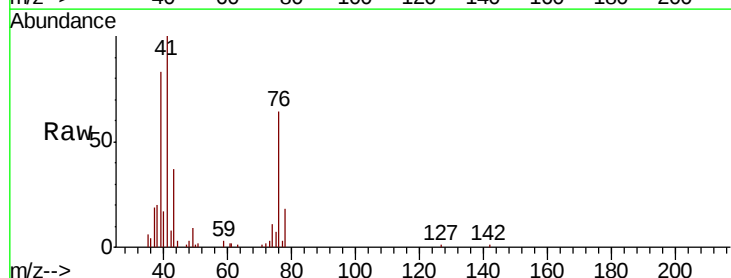
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

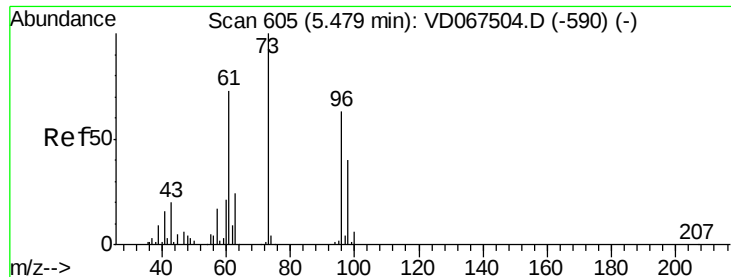
Tot Ion: 76 Resp: 171105
Ion Ratio Lower Upper
76 100
78 8.5 7.2 10.8



#18
Methyl Acetate
Concen: 20.309 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion: 43 Resp: 17720
Ion Ratio Lower Upper
43 100
74 35.1 27.2 40.8

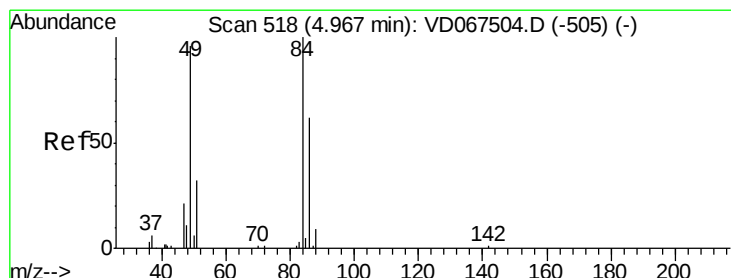
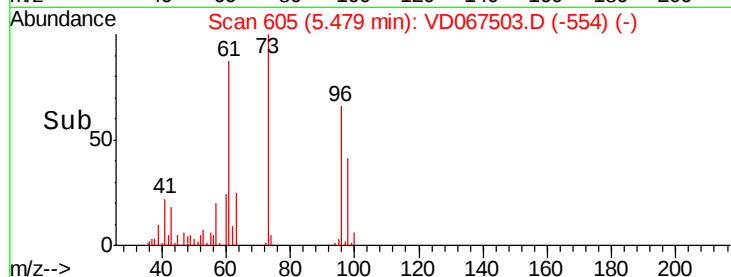
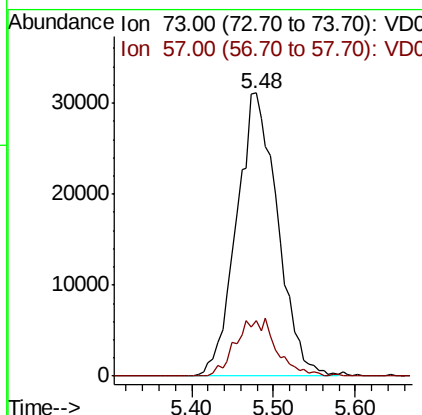
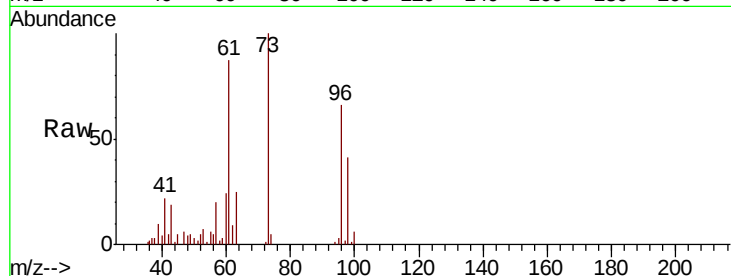




#19
Methyl tert-butyl Ether
Concen: 20.363 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

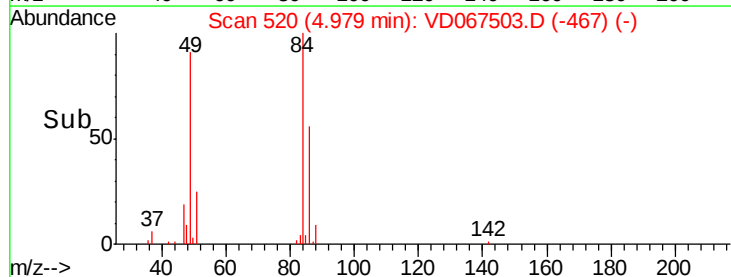
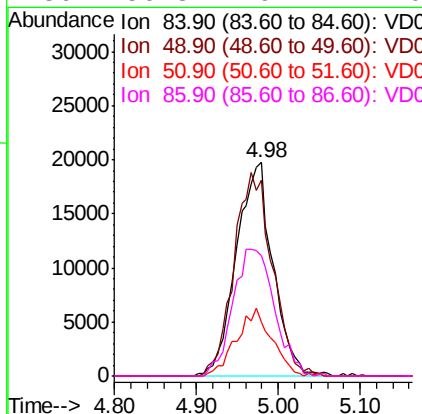
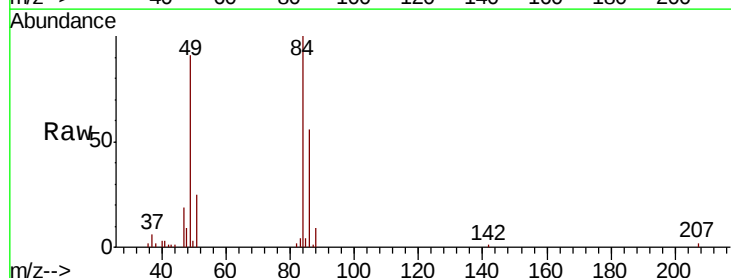
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

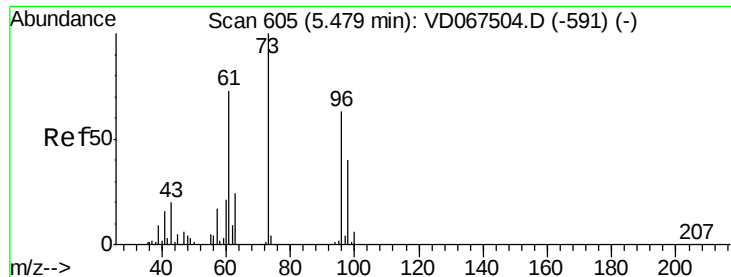
Tot Ion: 73 Resp: 108182
Ion Ratio Lower Upper
73 100
57 19.6 13.4 20.0



#20
Methylene Chloride
Concen: 20.701 ug/l
RT: 4.98 min Scan# 520
Delta R.T. 0.01 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion: 84 Resp: 61741
Ion Ratio Lower Upper
84 100
49 91.5 77.0 115.4
51 24.9 25.4 38.2#
86 56.3 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 20.565 ug/l

RT: 5.48 min Scan# 605

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

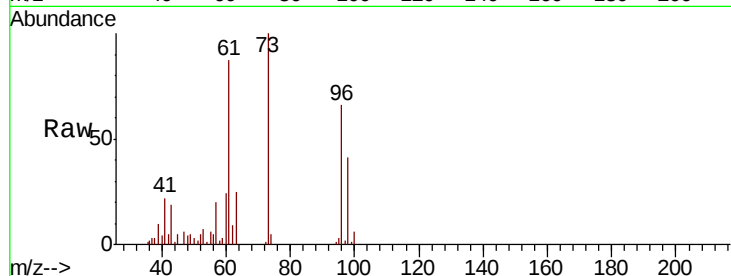
Tot Ion: 96 Resp: 64513

Ion Ratio Lower Upper

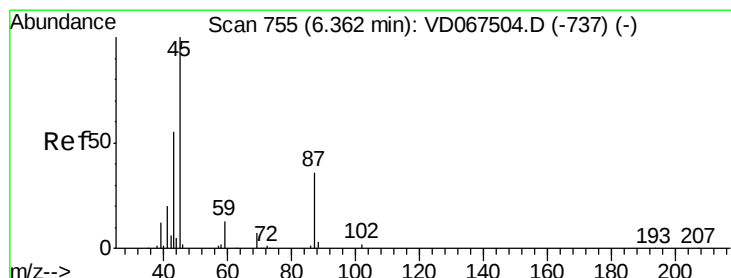
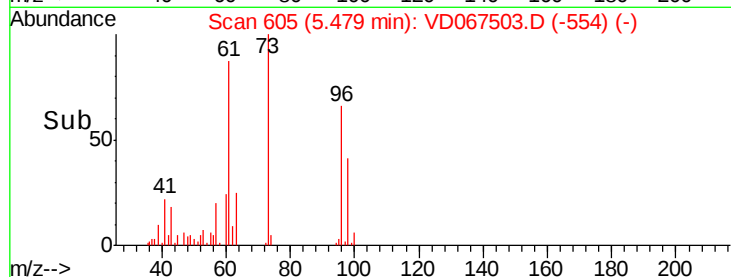
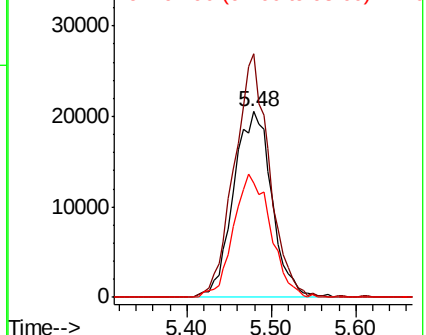
96 100

61 131.2 93.0 139.6

98 61.4 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 21.523 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.01 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Tgt Ion: 45 Resp: 120901

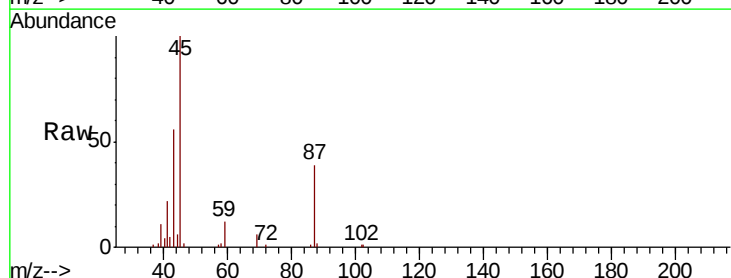
Ion Ratio Lower Upper

45 100

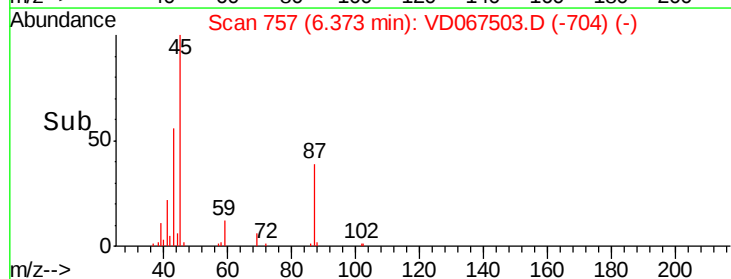
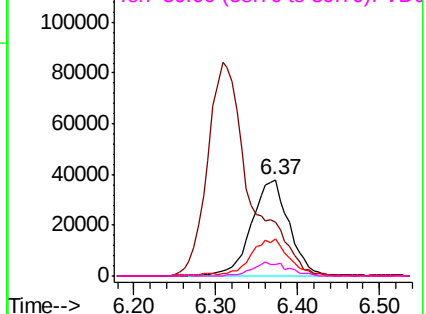
43 54.5 46.2 69.4

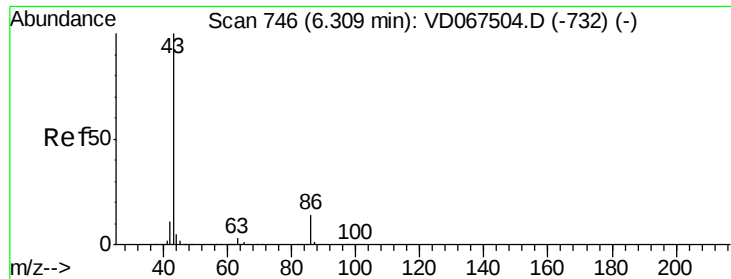
87 38.6 29.4 44.2

59 12.1 10.8 16.2



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 103.291 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

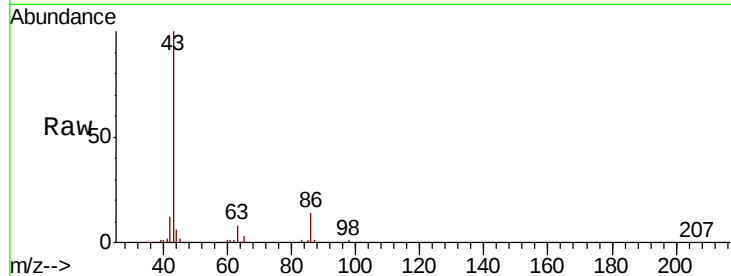
VSTDIC020

Tot Ion: 43 Resp: 304293

Ion Ratio Lower Upper

43 100

86 14.4 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

80000

60000

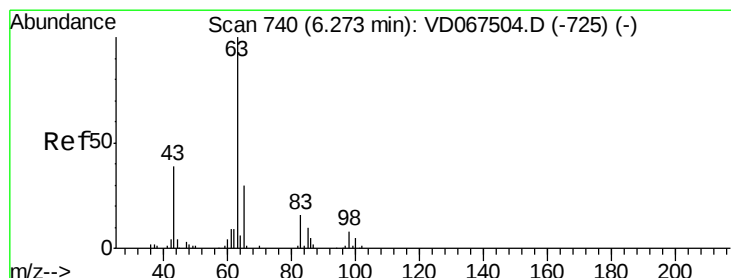
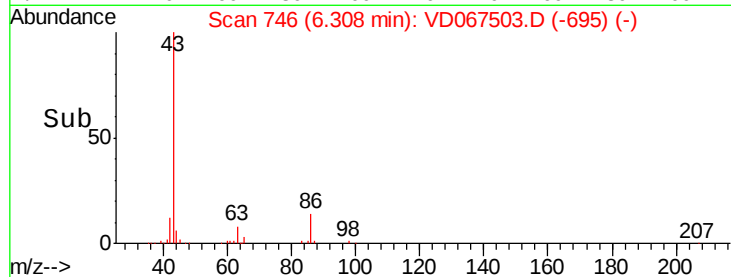
40000

20000

0

Time-->

6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 20.497 ug/l

RT: 6.27 min Scan# 740

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

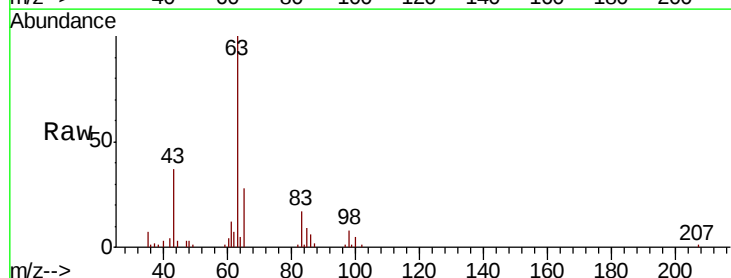
Tgt Ion: 63 Resp: 94190

Ion Ratio Lower Upper

63 100

98 8.5 3.9 11.5

100 5.3 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

6.27

40000

30000

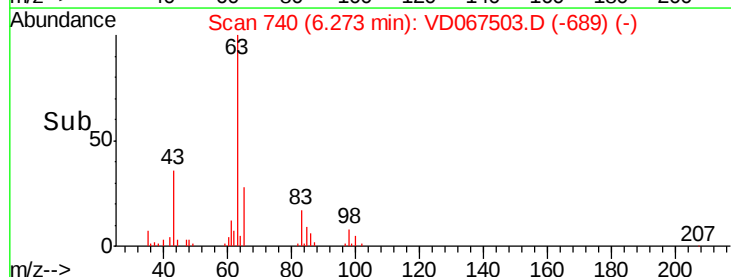
20000

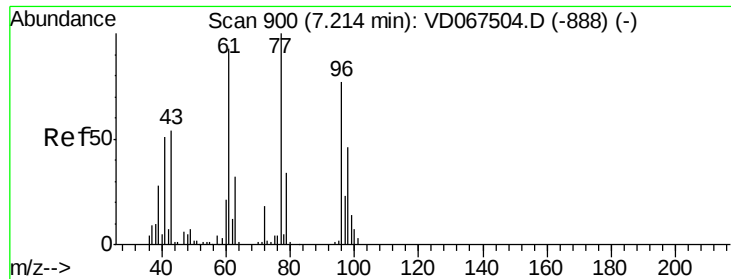
10000

0

Time-->

6.20 6.30





#25

2-Butanone

Concen: 102.821 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

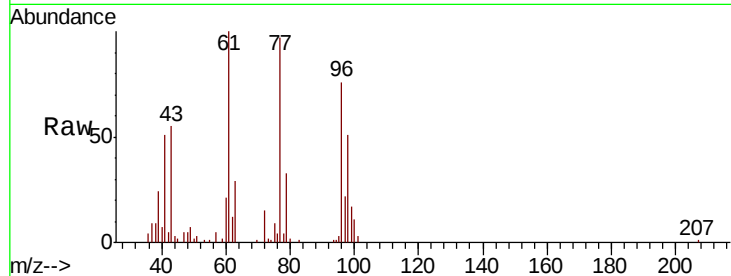
VSTDIC020

Tot Ion: 43 Resp: 46389

Ion Ratio Lower Upper

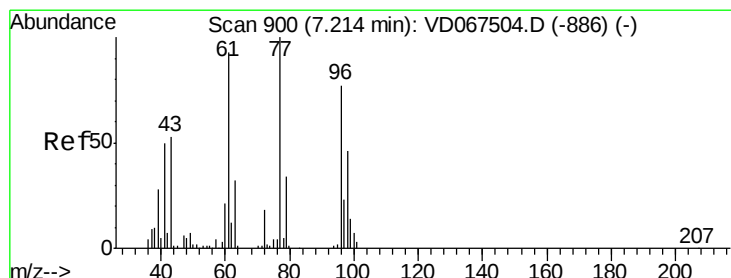
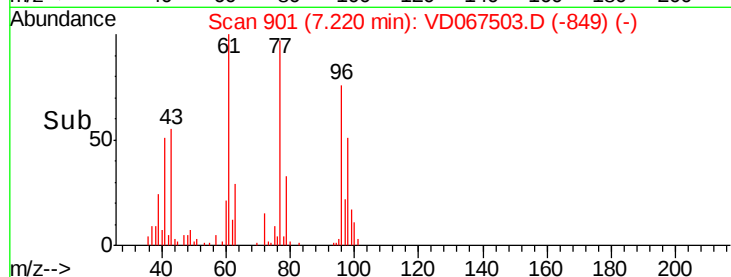
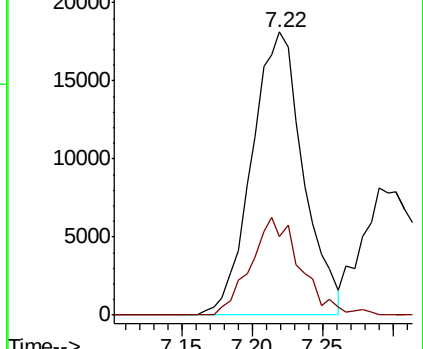
43 100

72 27.8 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.559 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067503.D

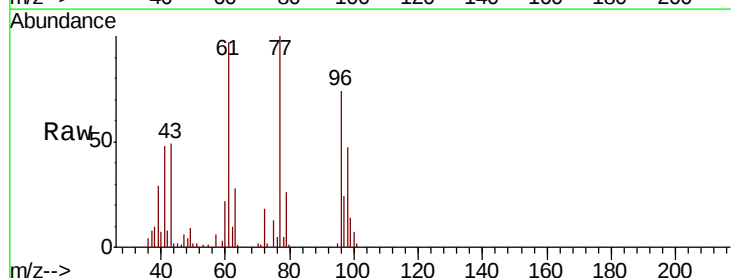
Acq: 03 Nov 2020 11:10

Tgt Ion: 77 Resp: 99711

Ion Ratio Lower Upper

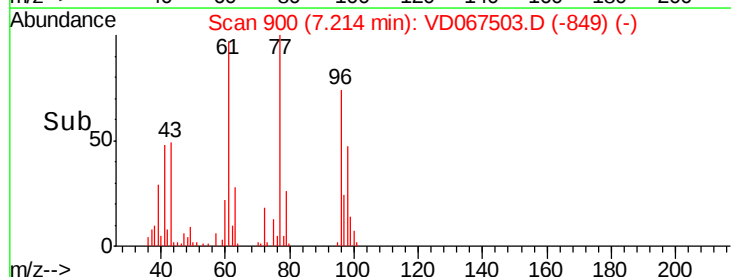
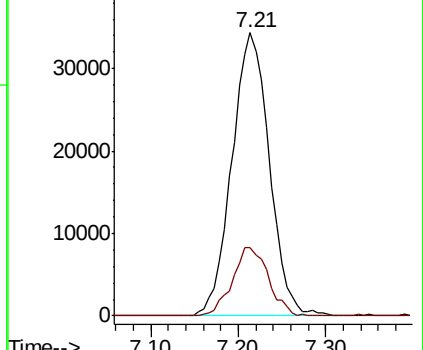
77 100

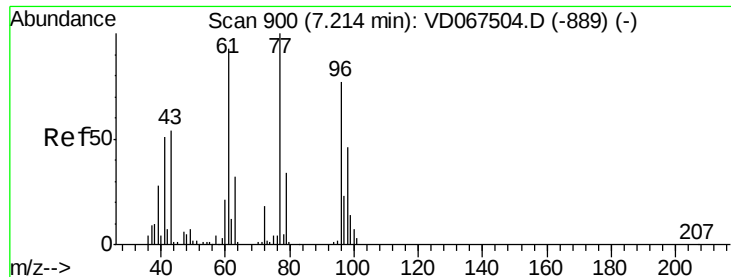
97 23.1 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 20.445 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

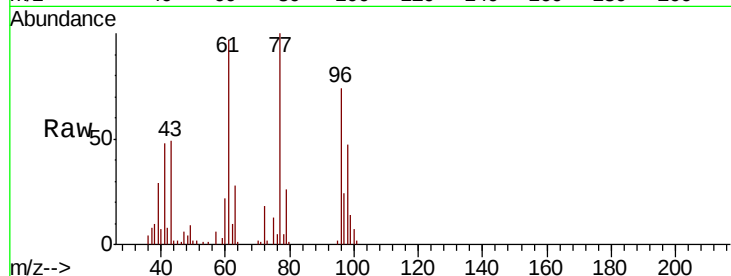
Tot Ion: 96 Resp: 66570

Ion Ratio Lower Upper

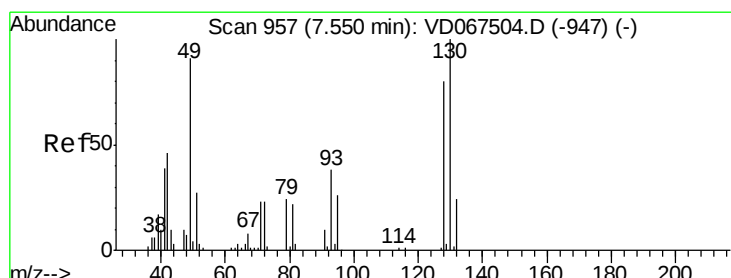
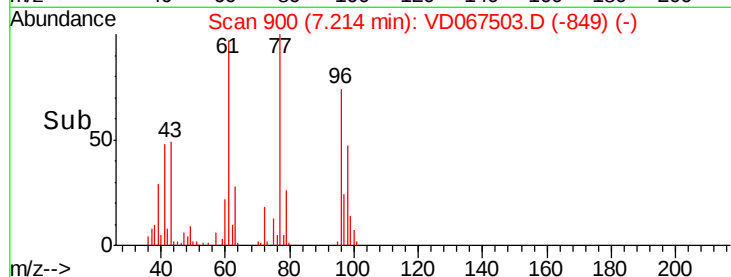
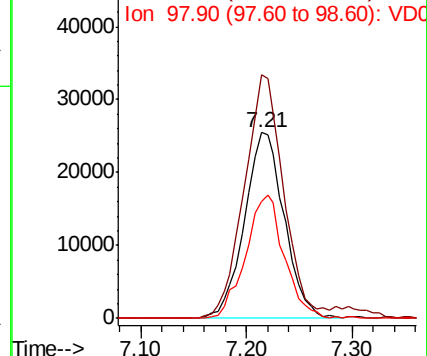
96 100

61 130.2 0.0 251.6

98 64.4 0.0 128.0



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 19.524 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

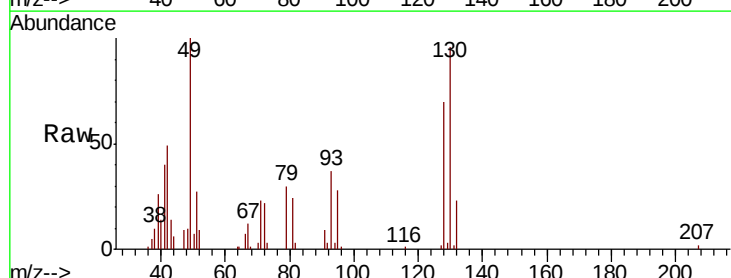
Tgt Ion: 49 Resp: 31914

Ion Ratio Lower Upper

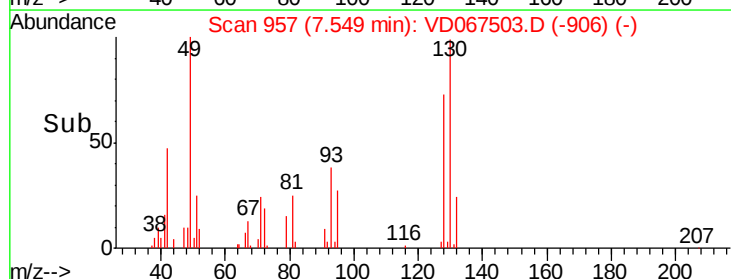
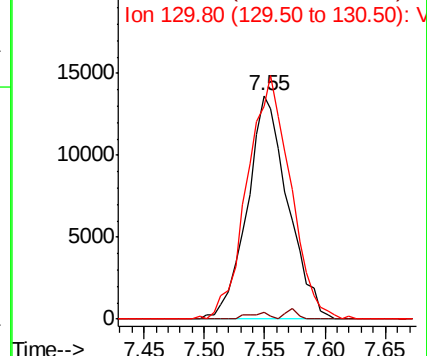
49 100

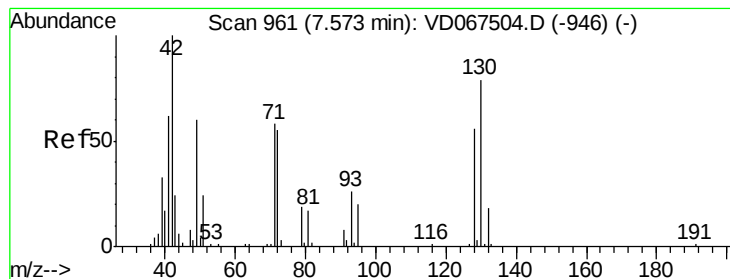
129 1.4 0.0 6.4

130 115.9 94.6 142.0



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 103.357 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

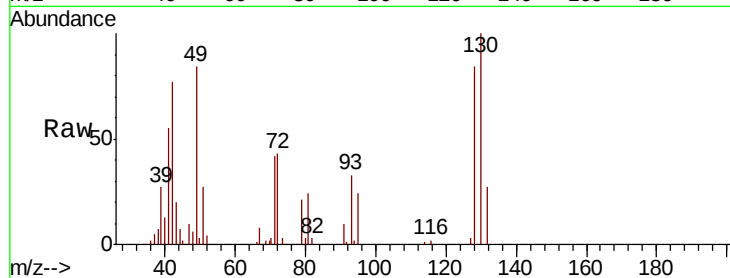
Tot Ion: 42 Resp: 27932

Ion Ratio Lower Upper

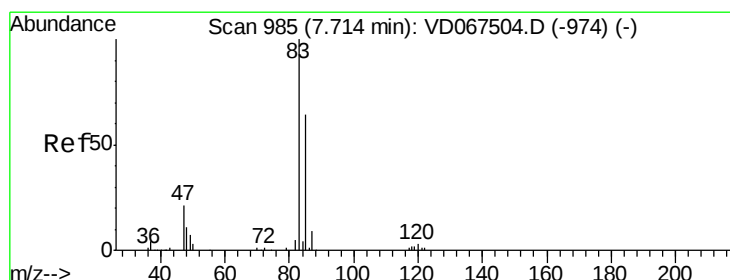
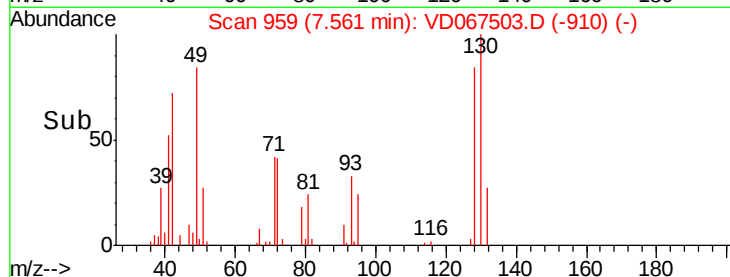
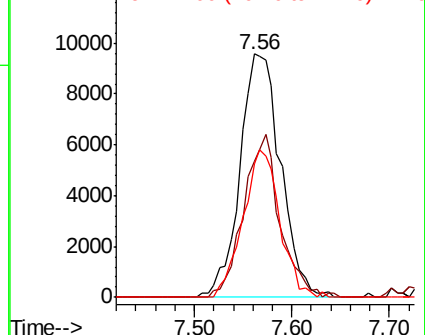
42 100

72 59.7 46.3 69.5

71 54.9 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: 20.267 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD067503.D

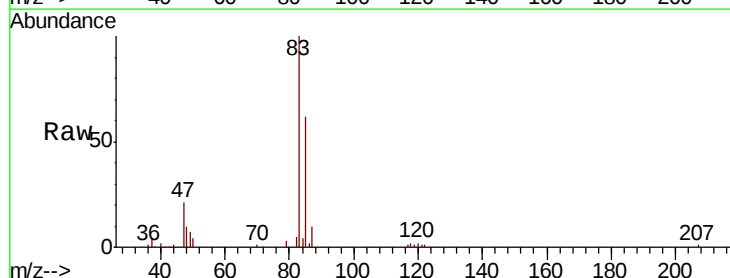
Acq: 03 Nov 2020 11:10

Tgt Ion: 83 Resp: 111108

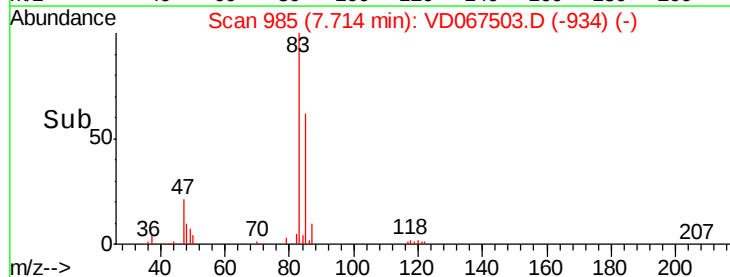
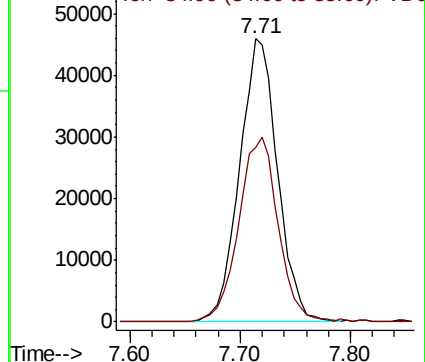
Ion Ratio Lower Upper

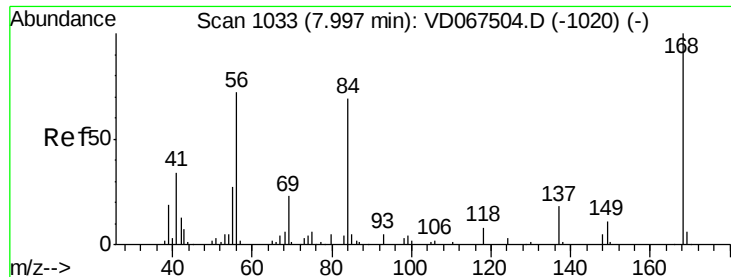
83 100

85 61.8 51.5 77.3



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

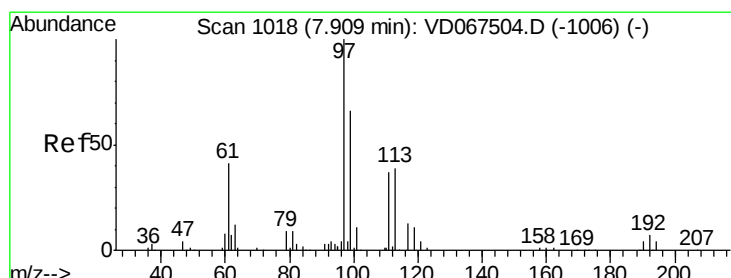
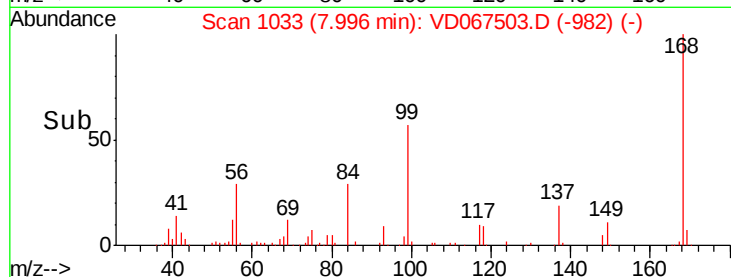
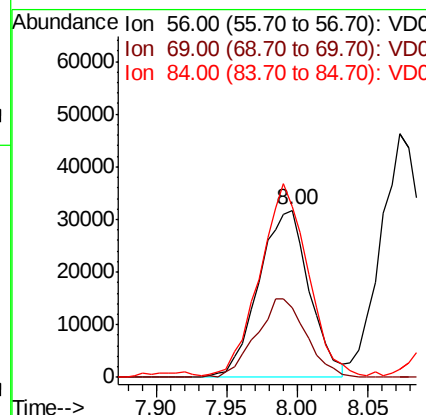
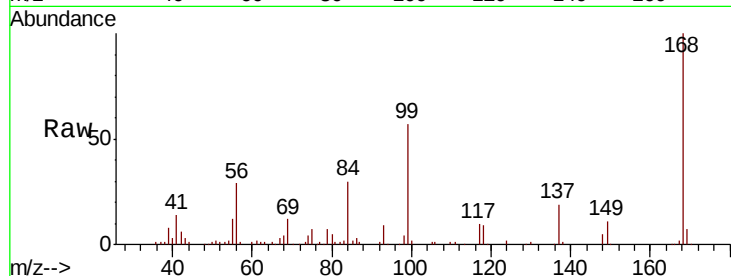




#31
Cyclohexane
Concen: 19.512 ug/l
RT: 8.00 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

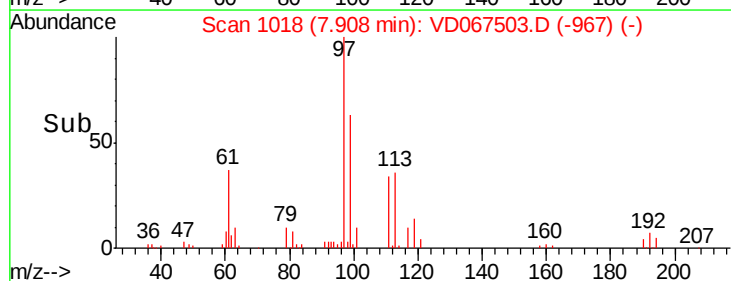
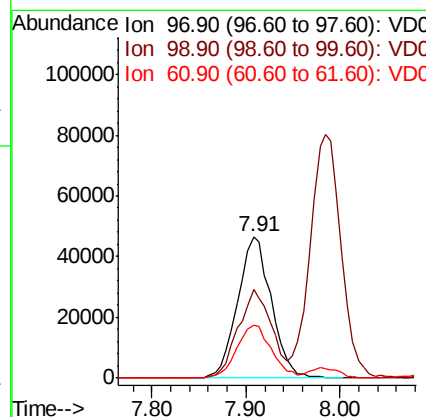
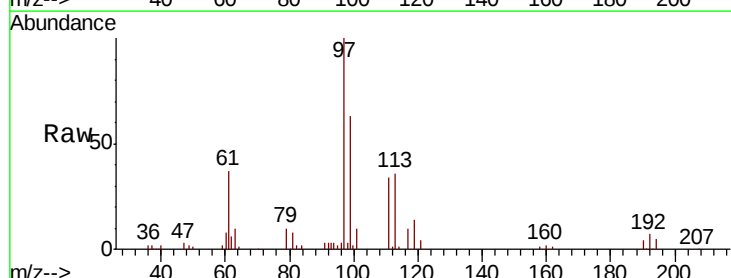
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

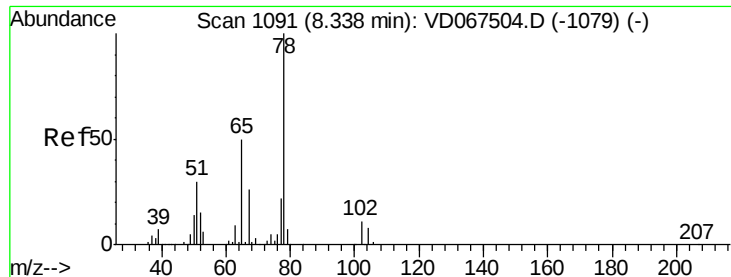
Tot Ion: 56 Resp: 79849
Ion Ratio Lower Upper
56 100
69 41.4 25.9 38.9#
84 100.8 76.2 114.4



#32
1,1,1-Trichloroethane
Concen: 20.513 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion: 97 Resp: 116034
Ion Ratio Lower Upper
97 100
99 62.1 51.8 77.6
61 38.2 30.5 45.7

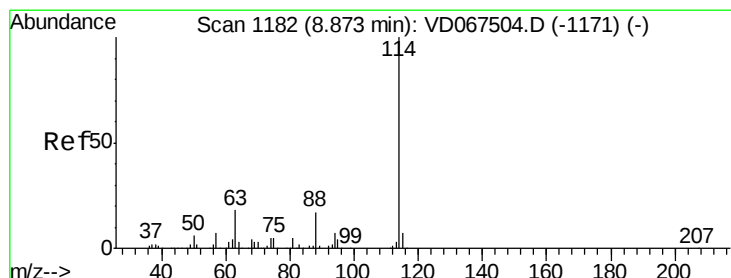
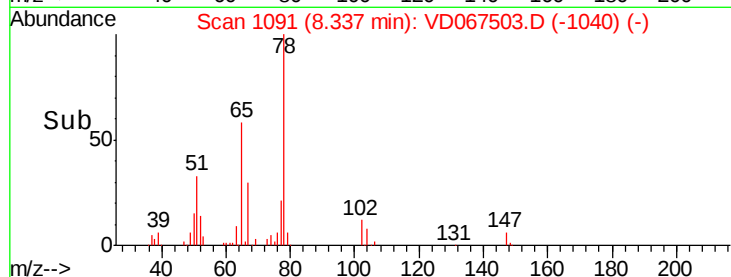
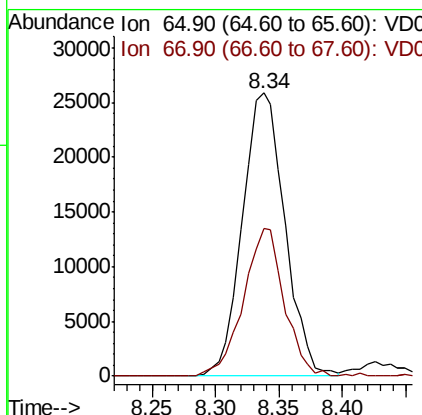
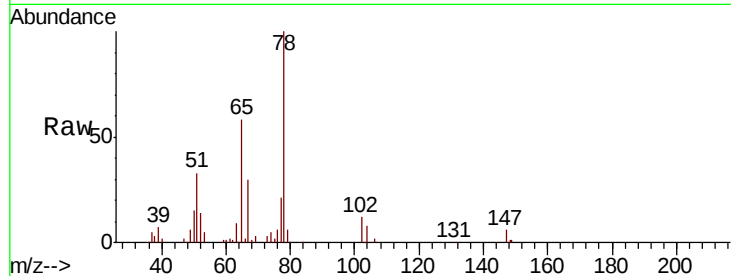




#33
 1,2-Dichloroethane-d4
 Concen: 21.399 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

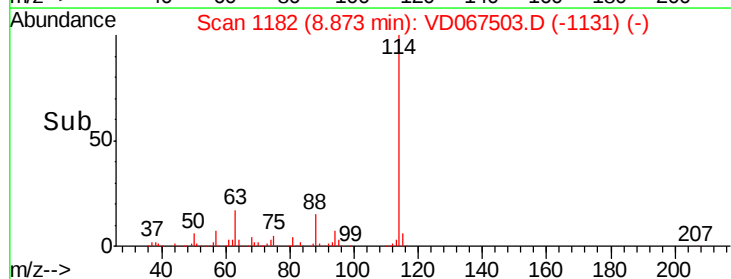
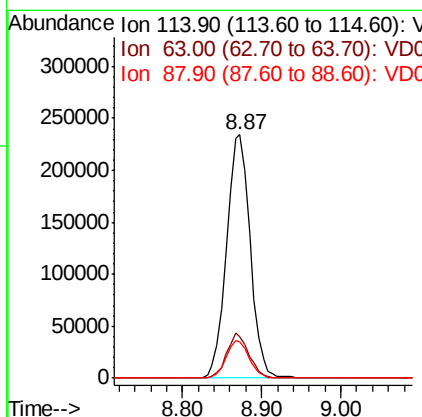
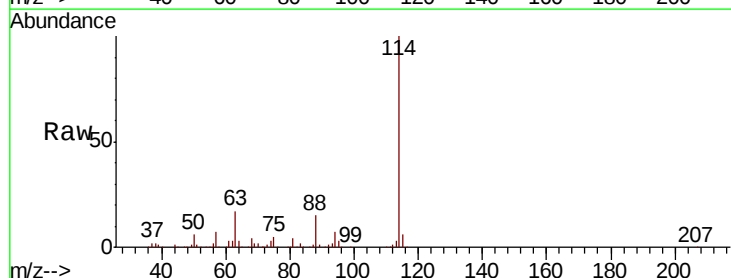
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

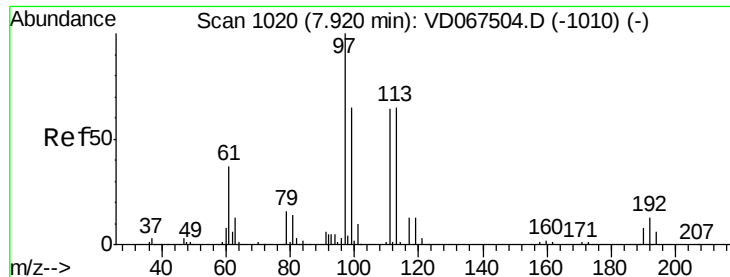
Tot Ion: 65 Resp: 60378
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

Tgt Ion: 114 Resp: 484004
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 35.0
 88 15.1 0.0 33.0

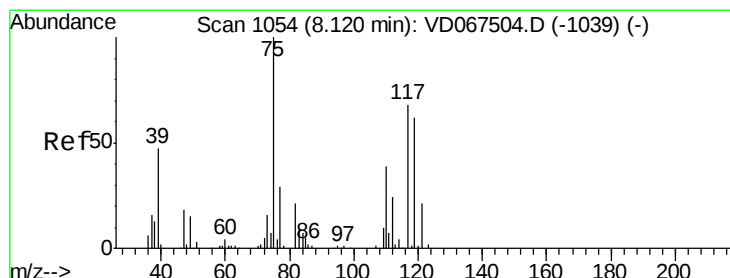
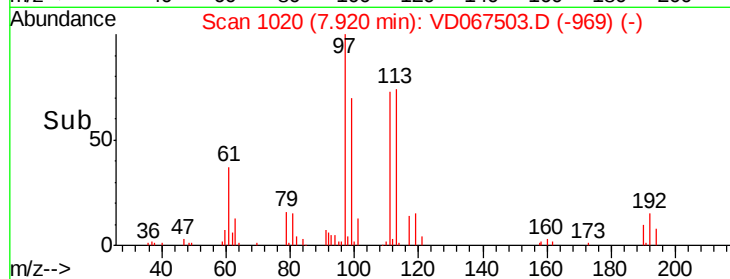
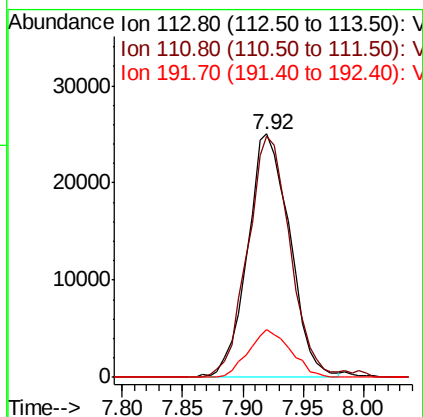
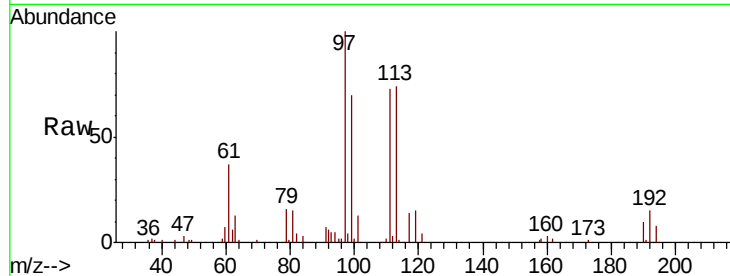




#35
Dibromofluoromethane
Concen: 20.853 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

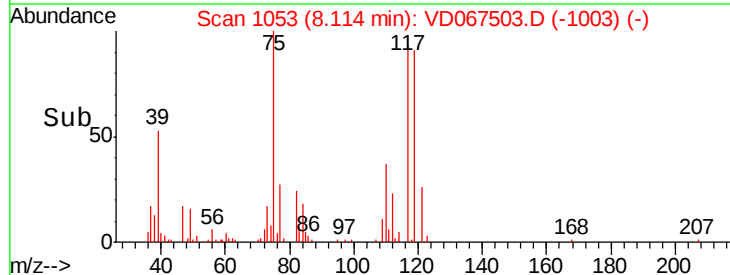
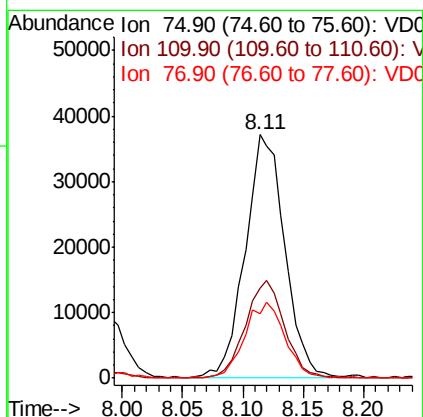
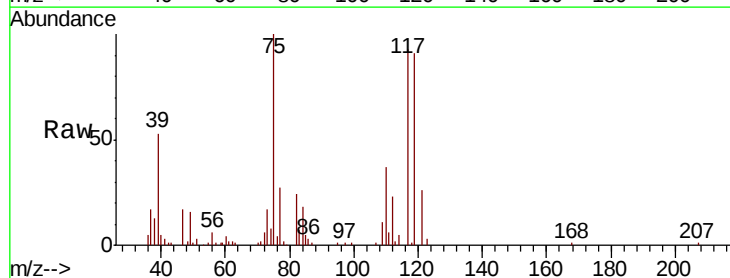
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

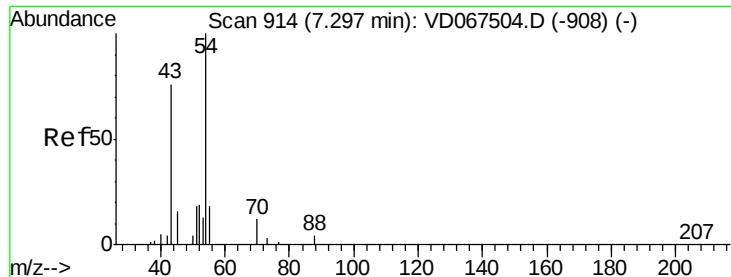
Tot Ion:113 Resp: 60811
Ion Ratio Lower Upper
113 100
111 99.0 80.0 120.0
192 19.6 16.3 24.5



#36
1,1-Dichloropropene
Concen: 20.475 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion: 75 Resp: 84828
Ion Ratio Lower Upper
75 100
110 39.3 19.9 59.7
77 31.6 24.8 37.2

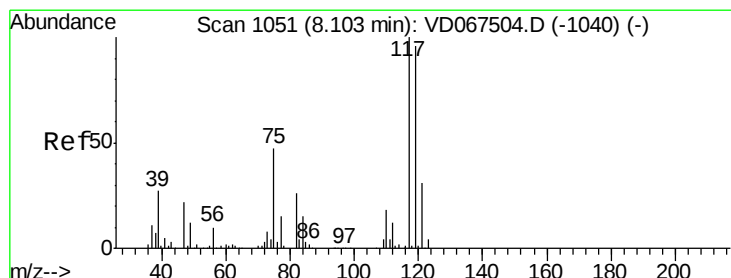
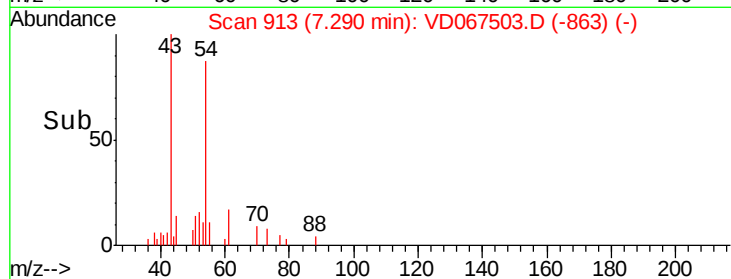
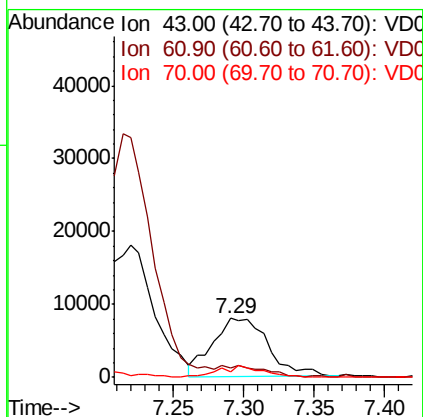
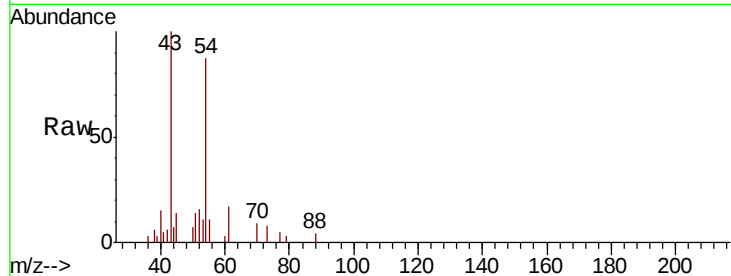




#37
Ethyl Acetate
Concen: 20.424 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

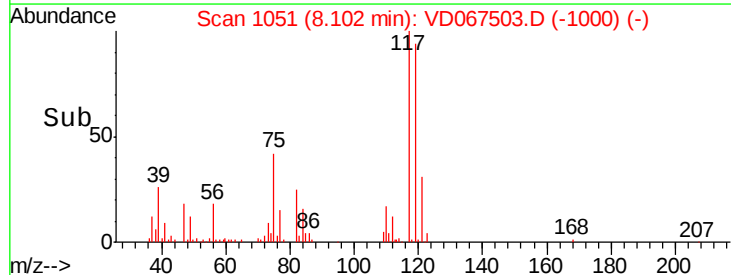
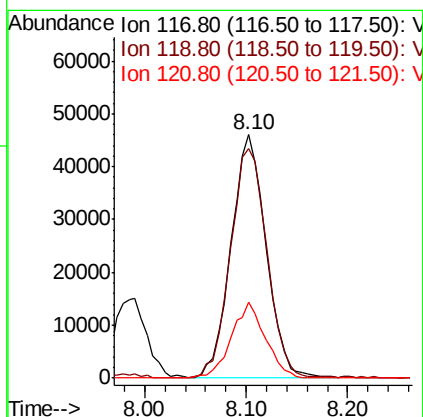
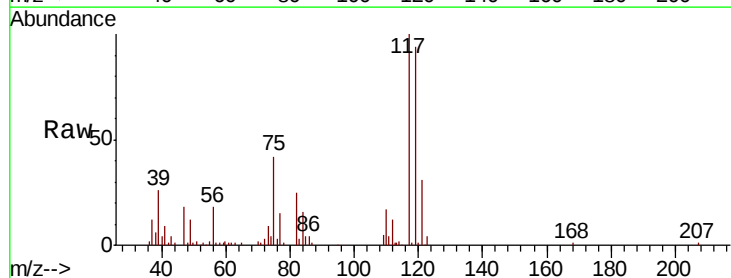
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

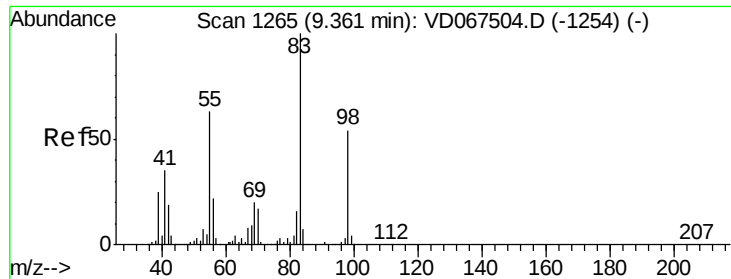
Tot Ion: 43 Resp: 21968
Ion Ratio Lower Upper
43 100
61 16.3 12.8 19.2
70 16.2 11.7 17.5



#38
Carbon Tetrachloride
Concen: 20.541 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion: 117 Resp: 110571
Ion Ratio Lower Upper
117 100
119 94.3 76.9 115.3
121 31.3 24.5 36.7

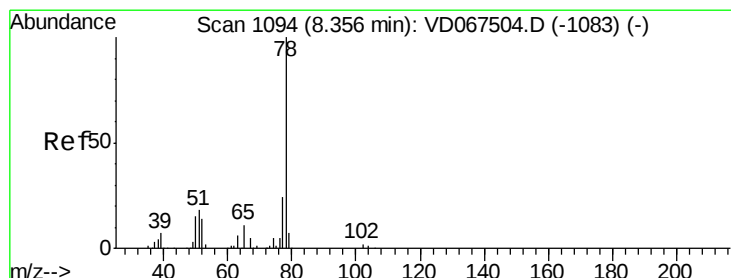
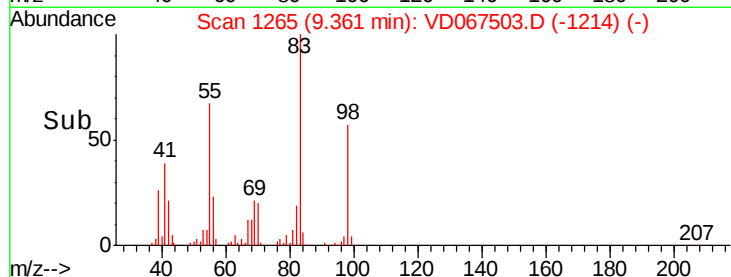
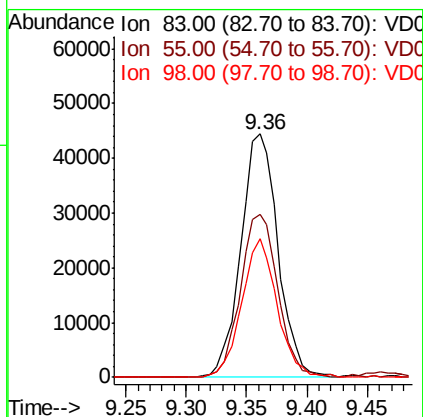
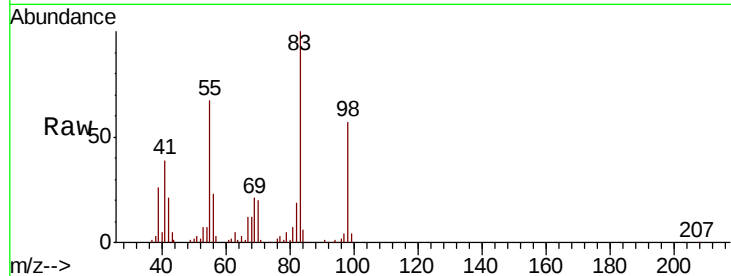




#39
Methvlcvclohexane
Concen: 19.554 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

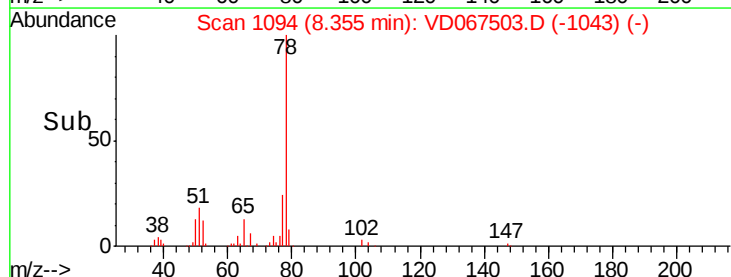
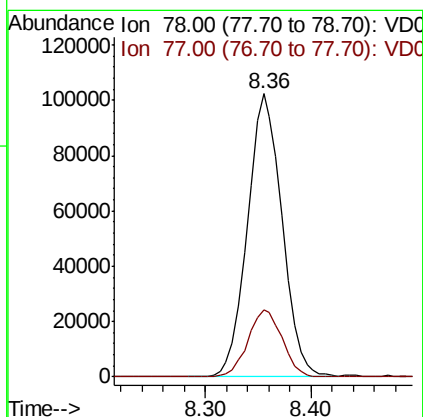
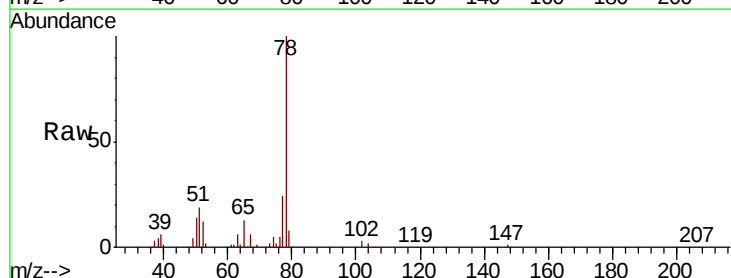
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

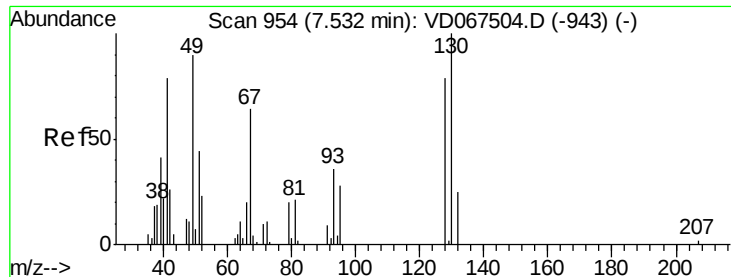
Tot Ion: 83 Resp: 95349
Ion Ratio Lower Upper
83 100
55 66.8 50.5 75.7
98 57.1 43.4 65.0



#40
Benzene
Concen: 20.787 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion: 78 Resp: 233277
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7

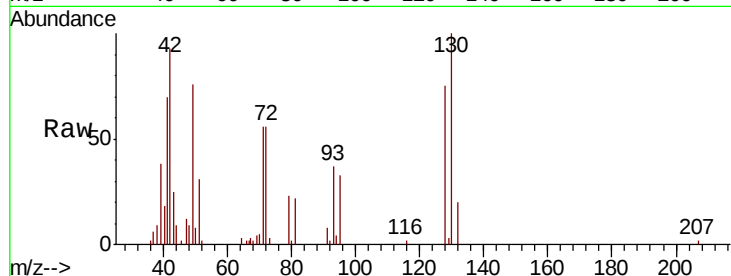




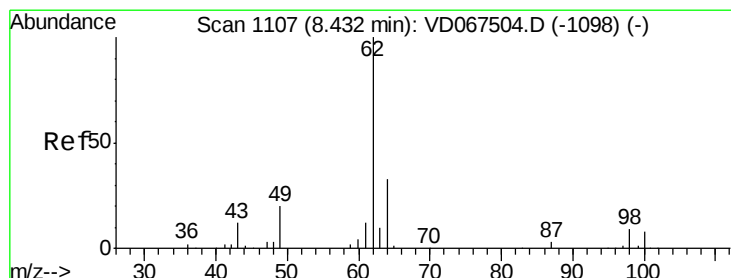
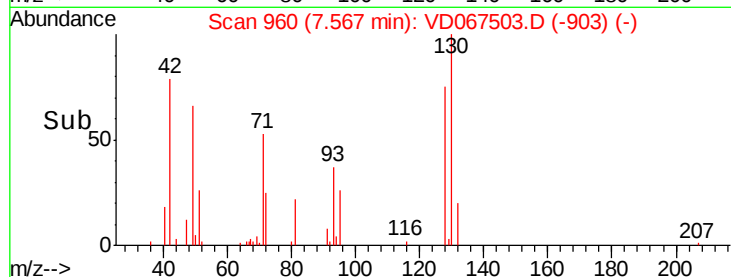
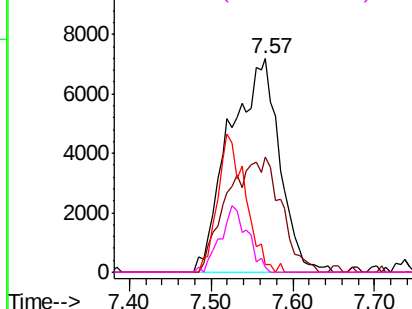
#41
Methacrylonitrile
Concen: 56.293 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.03 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 41 Resp: 30456
Ion Ratio Lower Upper
41 100
39 57.6 51.3 76.9
67 0.0 78.9 118.3#
52 0.0 31.4 47.2#

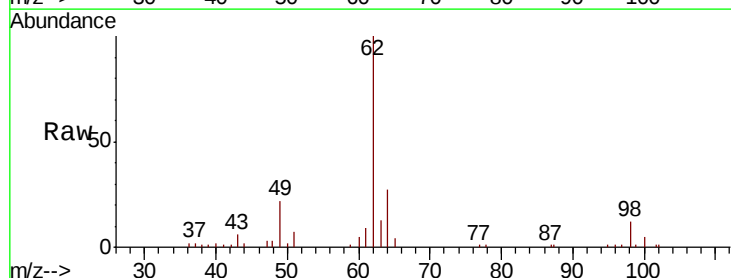


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

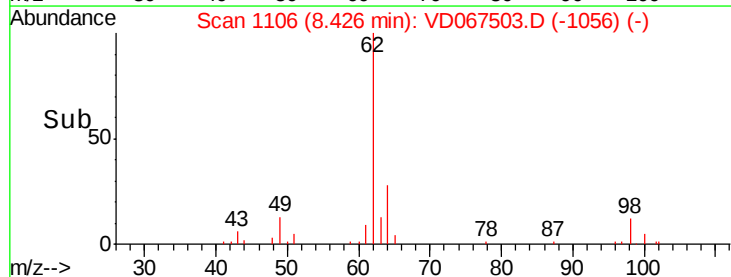
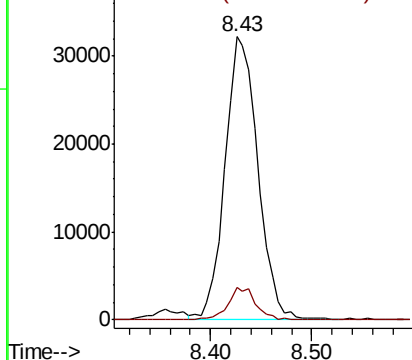


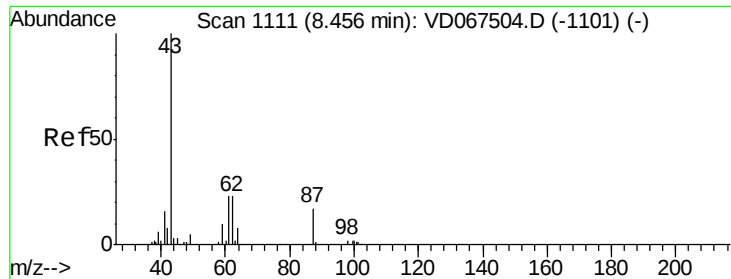
#42
1,2-Dichloroethane
Concen: 20.844 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion: 62 Resp: 72273
Ion Ratio Lower Upper
62 100
98 9.6 0.0 19.8



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





#43

Isopropyl Acetate

Concen: 19.909 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

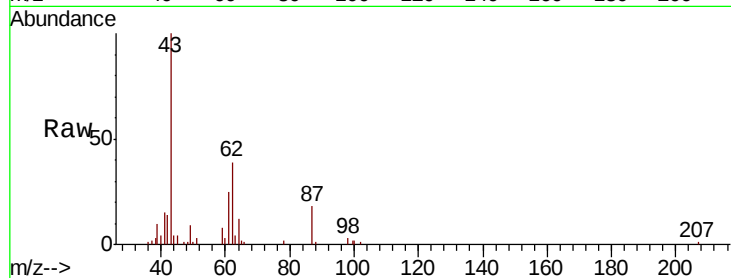
Tot Ion: 43 Resp: 42351

Ion Ratio Lower Upper

43 100

61 40.2 30.5 45.7

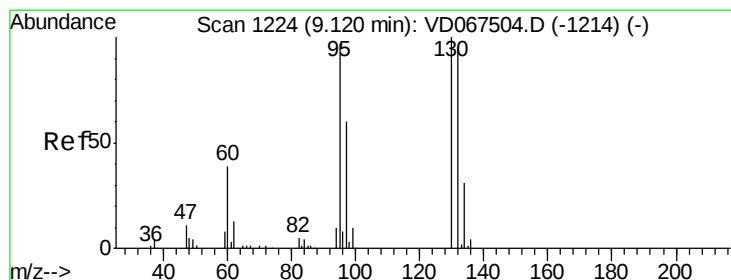
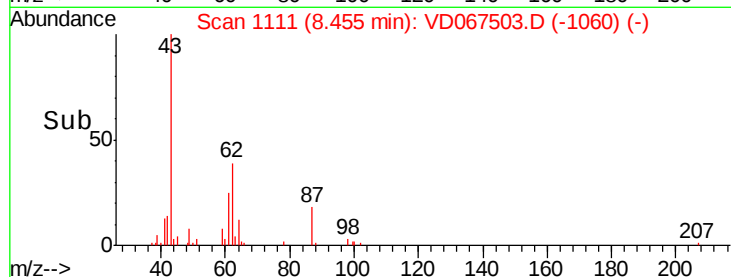
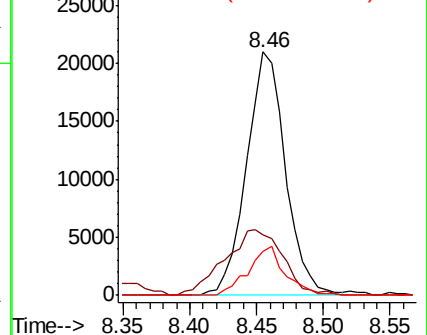
87 18.8 14.7 22.1



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: 20.361 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD067503.D

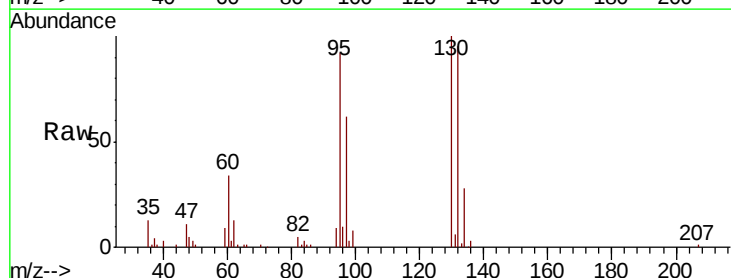
Acq: 03 Nov 2020 11:10

Tgt Ion:130 Resp: 75132

Ion Ratio Lower Upper

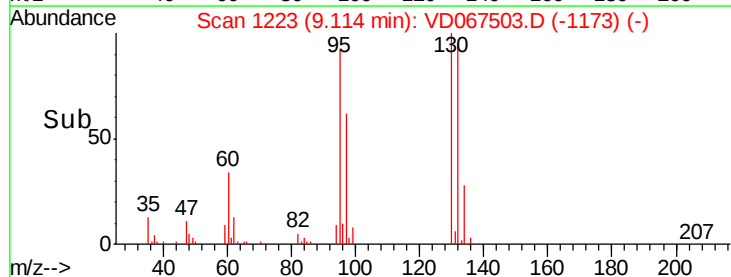
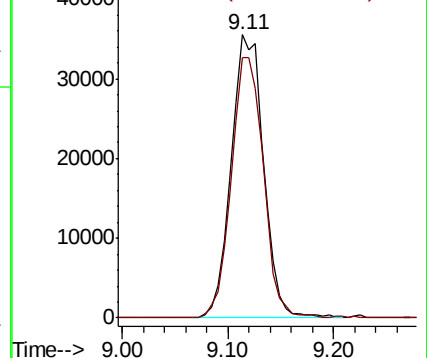
130 100

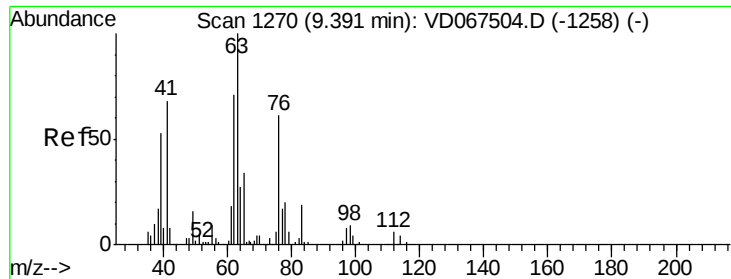
95 92.0 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.094 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

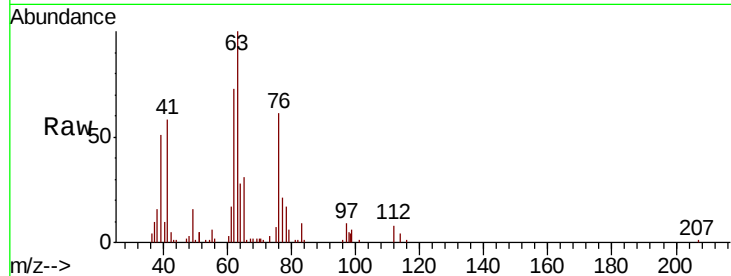
VSTDIC020

Tot Ion: 63 Resp: 48754

Ion Ratio Lower Upper

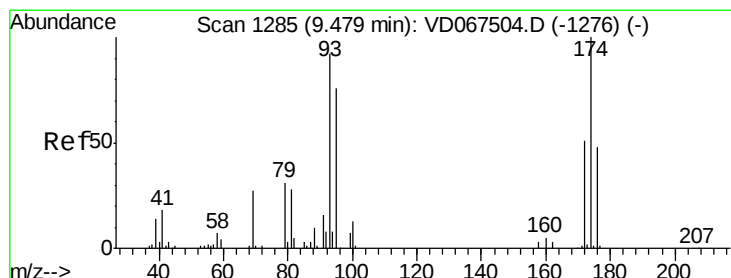
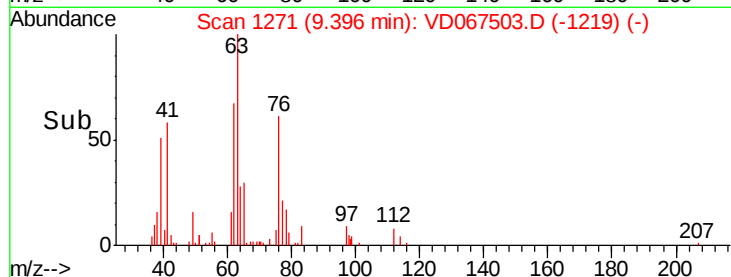
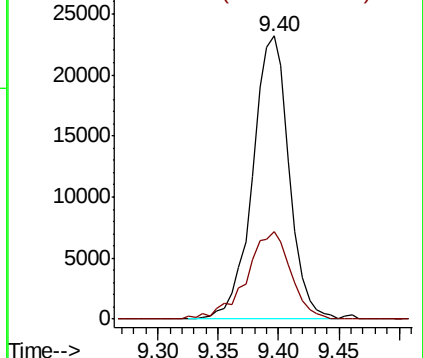
63 100

65 31.1 26.9 40.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.443 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

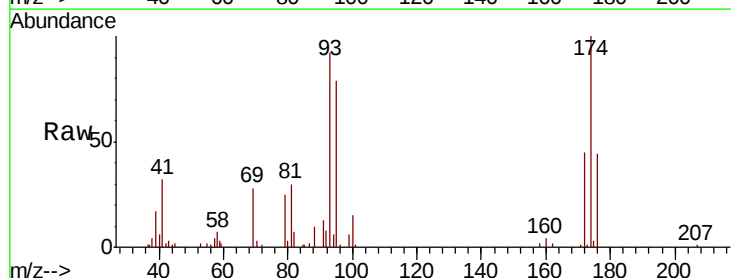
Tgt Ion: 93 Resp: 31538

Ion Ratio Lower Upper

93 100

95 84.1 66.4 99.6

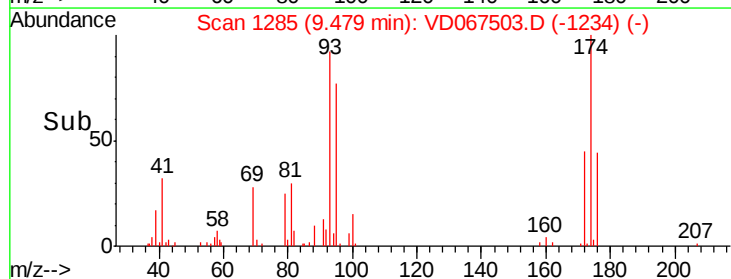
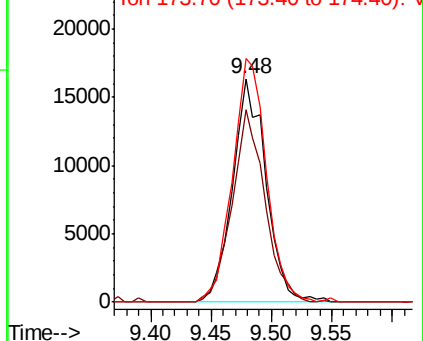
174 110.6 88.2 132.4

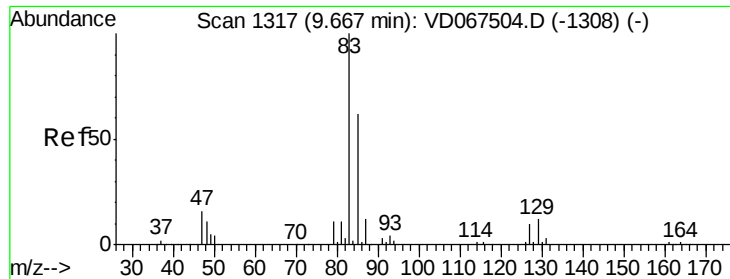


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.928 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

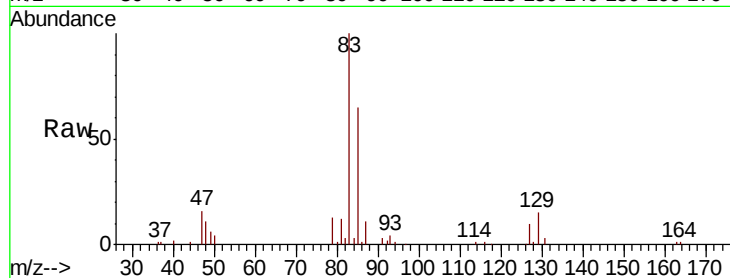
Tot Ion: 83 Resp: 87754

Ion Ratio Lower Upper

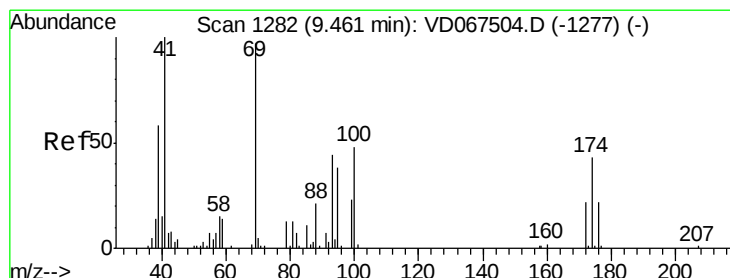
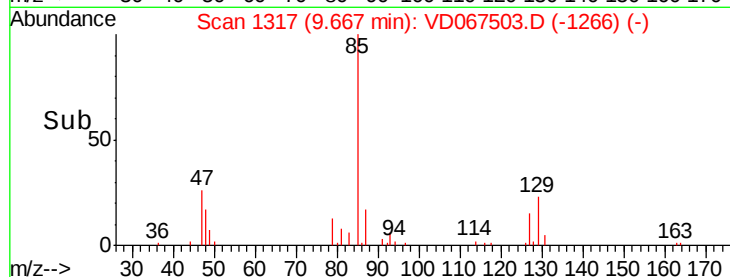
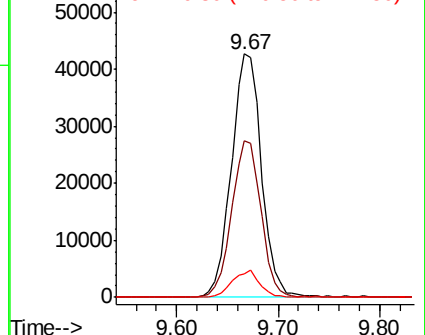
83 100

85 64.5 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: 18.964 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

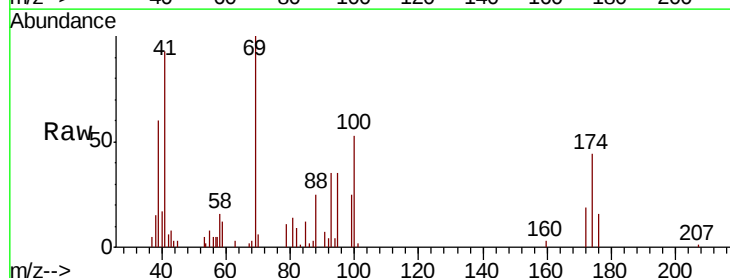
Tgt Ion: 41 Resp: 20829

Ion Ratio Lower Upper

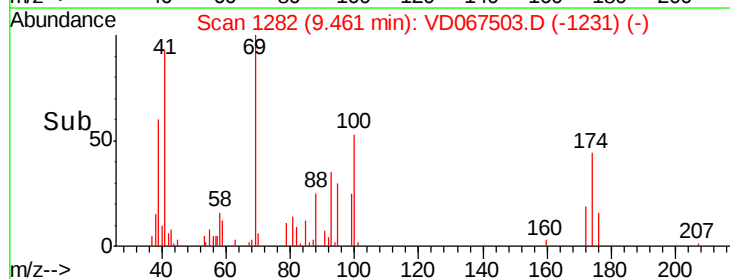
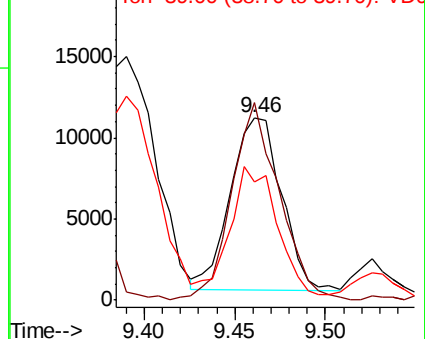
41 100

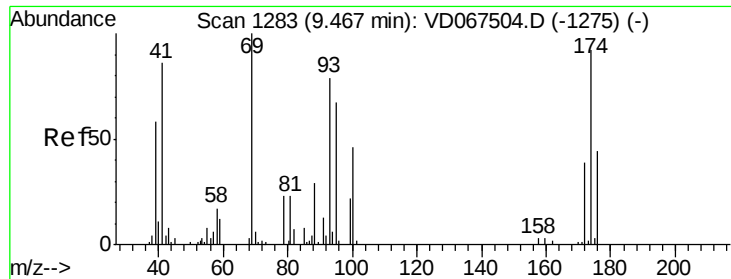
69 106.5 80.6 121.0

39 72.8 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: 407.751 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

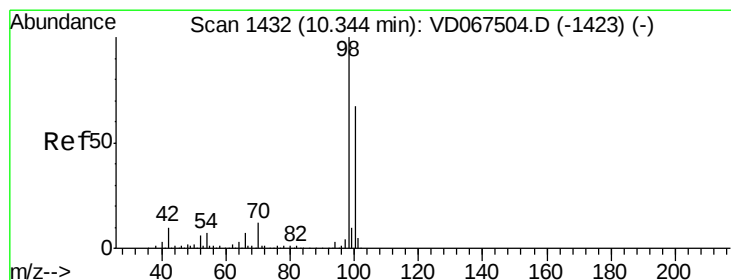
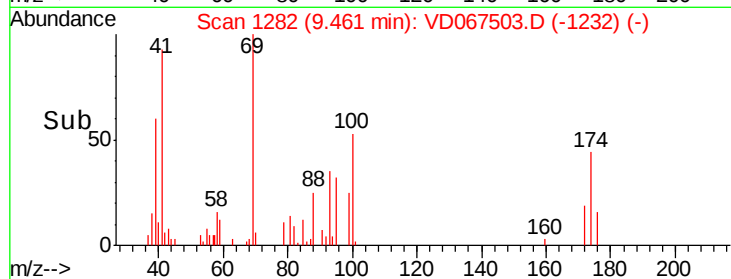
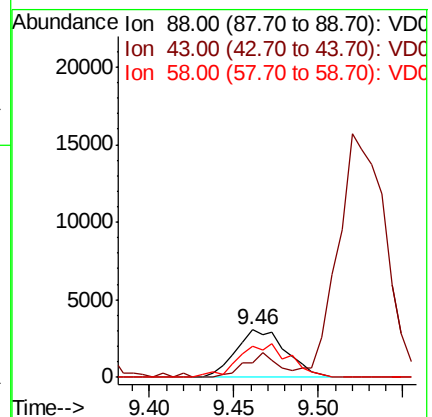
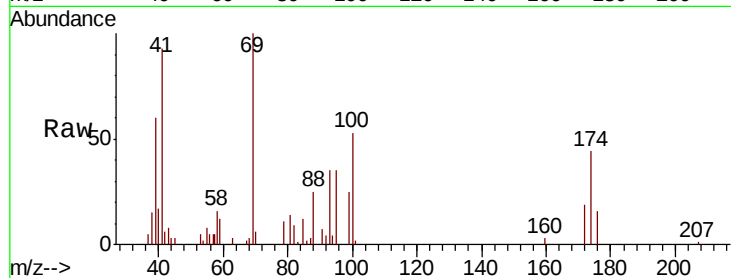
Tot Ion: 88 Resp: 6386

Ion Ratio Lower Upper

88 100

43 33.5 23.6 35.4

58 71.0 44.7 67.1#



#50

Toluene-d8

Concen: 21.472 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067503.D

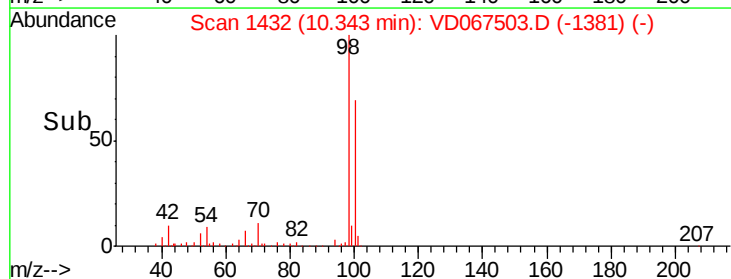
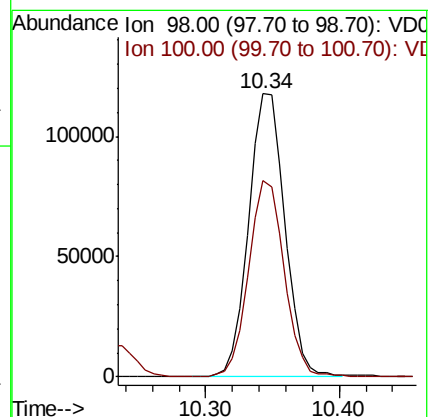
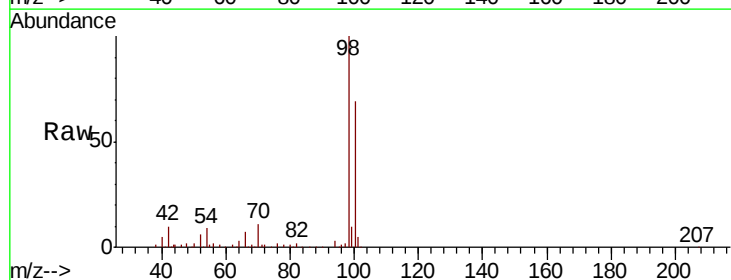
Acq: 03 Nov 2020 11:10

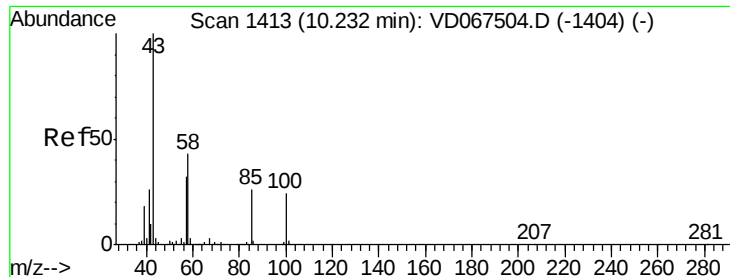
Tgt Ion: 98 Resp: 220043

Ion Ratio Lower Upper

98 100

100 68.5 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 102.421 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

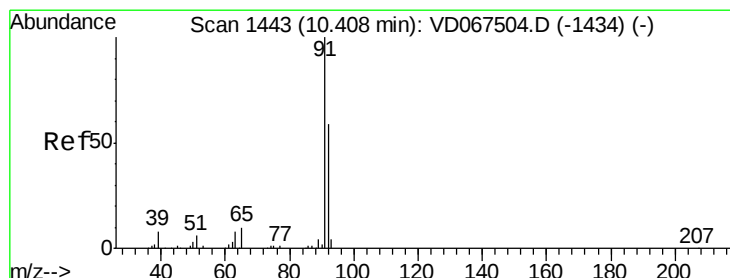
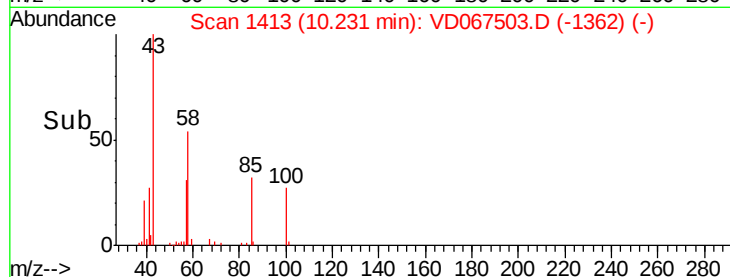
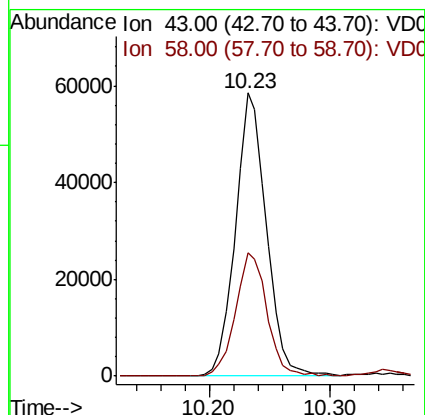
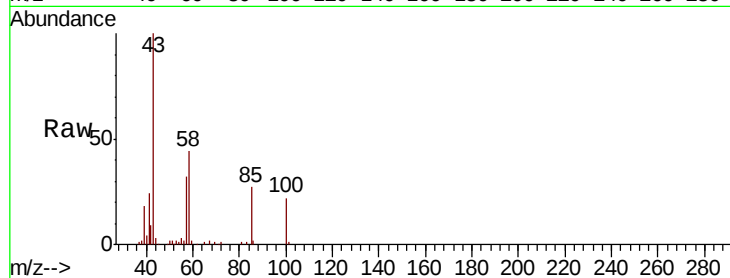
VSTDIC020

Tot Ion: 43 Resp: 104197

Ion Ratio Lower Upper

43 100

58 44.3 35.6 53.4



#52

Toluene

Concen: 21.090 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067503.D

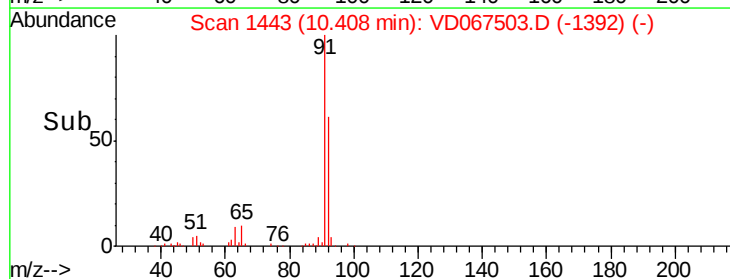
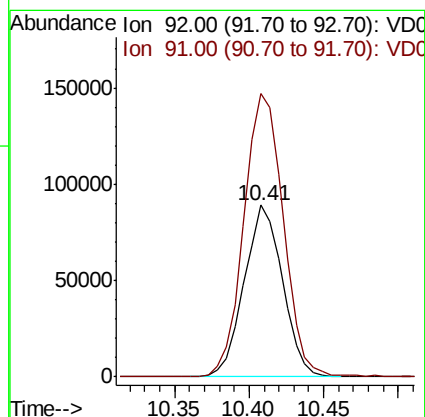
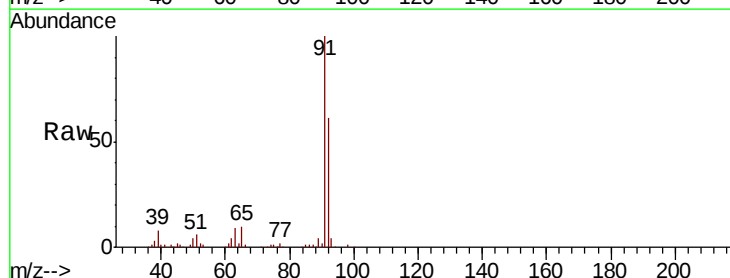
Acq: 03 Nov 2020 11:10

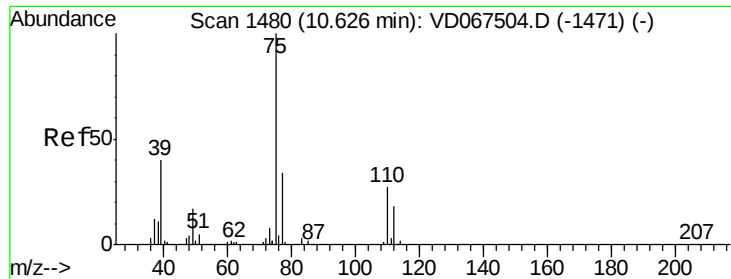
Tgt Ion: 92 Resp: 158526

Ion Ratio Lower Upper

92 100

91 170.1 137.0 205.6





#53

t-1,3-Dichloropropene

Concen: 20.657 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

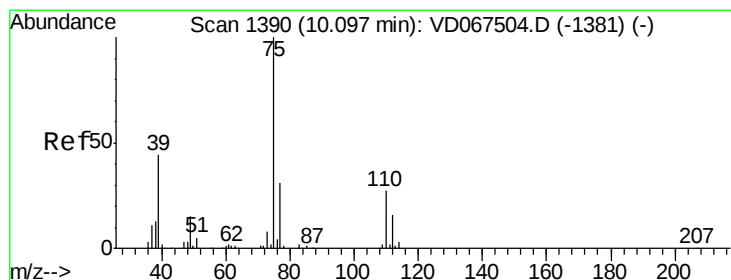
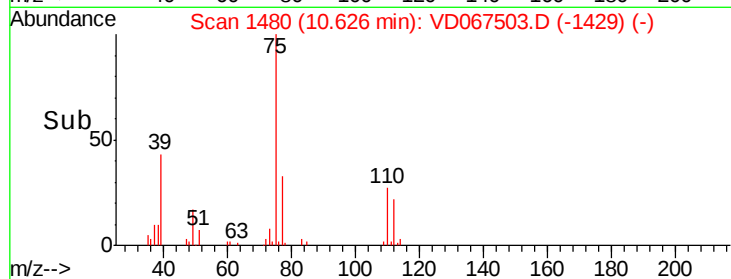
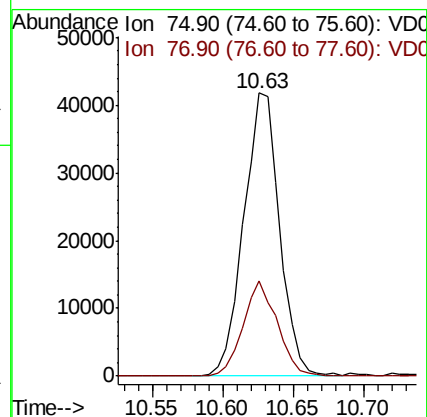
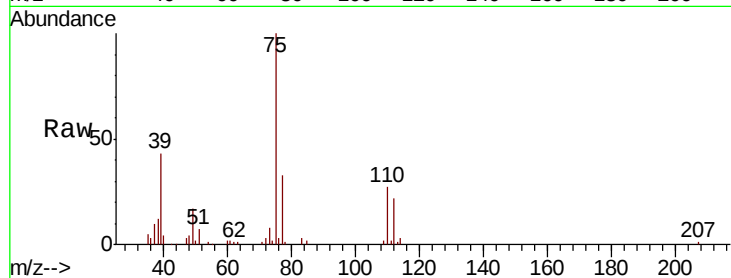
VSTDIC020

Tot Ion: 75 Resp: 74184

Ion Ratio Lower Upper

75 100

77 33.4 27.0 40.6



#54

cis-1,3-Dichloropropene

Concen: 20.341 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

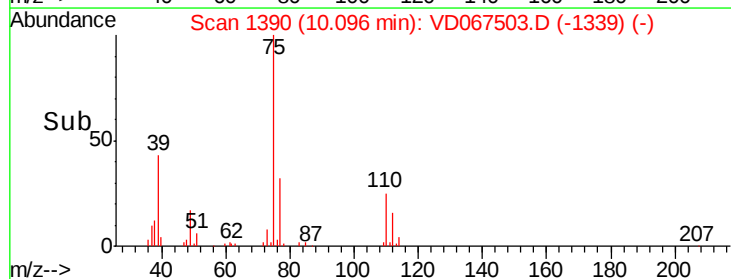
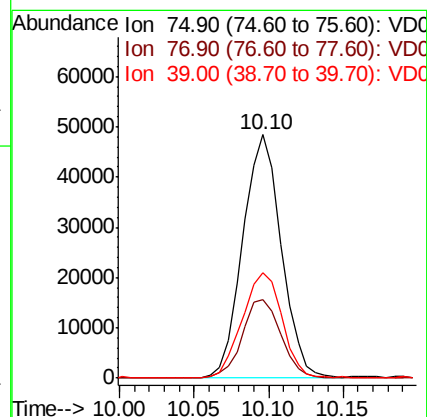
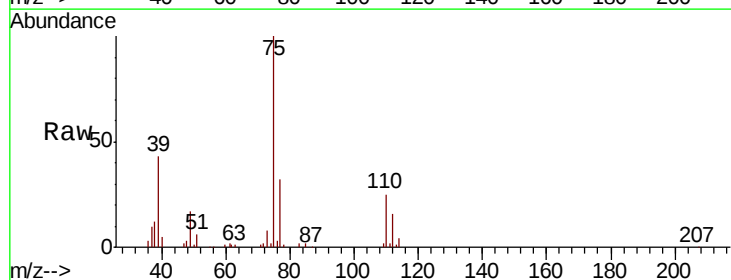
Tgt Ion: 75 Resp: 86793

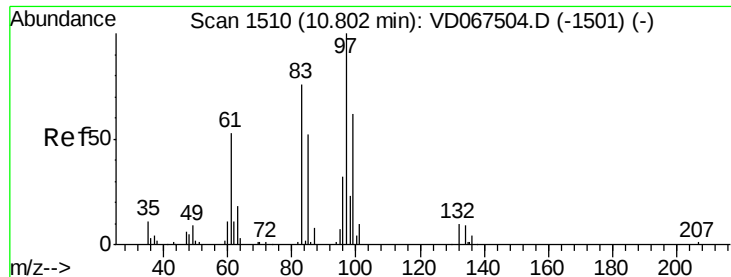
Ion Ratio Lower Upper

75 100

77 32.1 24.4 36.6

39 43.4 35.6 53.4

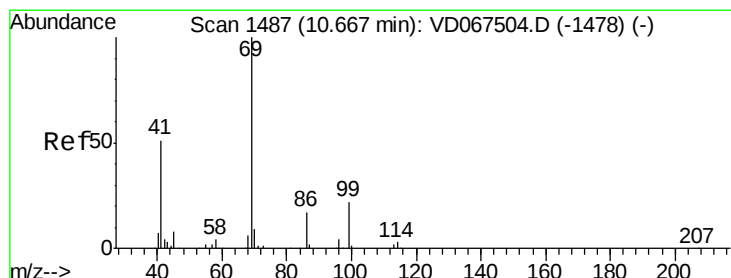
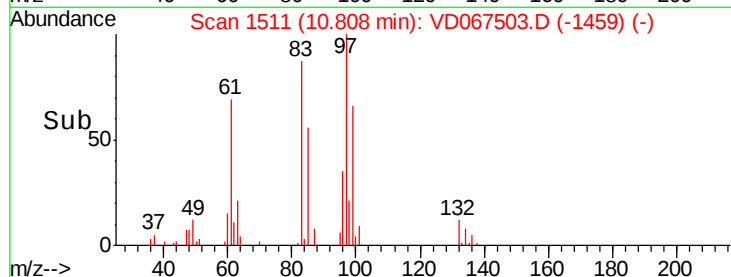
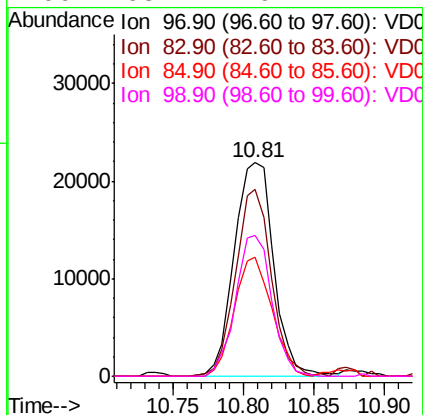
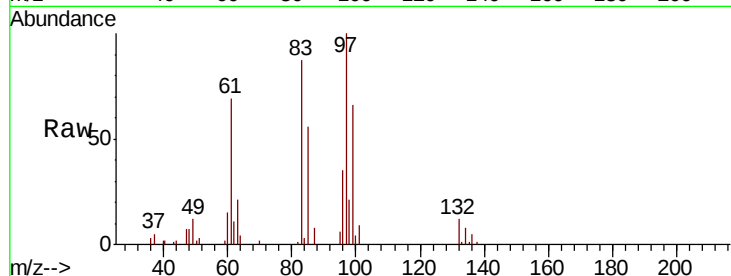




#55
 1,1,2-Trichloroethane
 Concen: 21.069 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

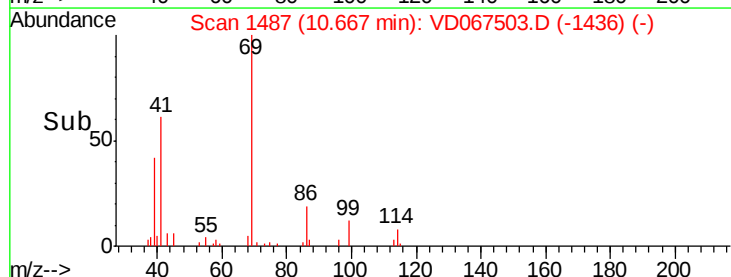
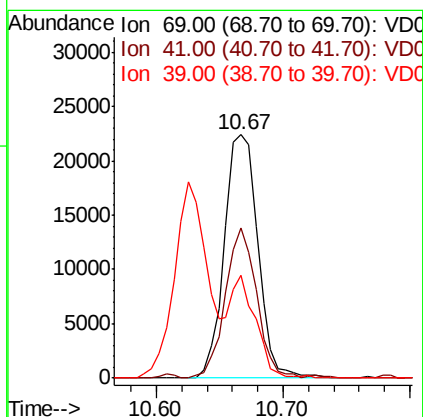
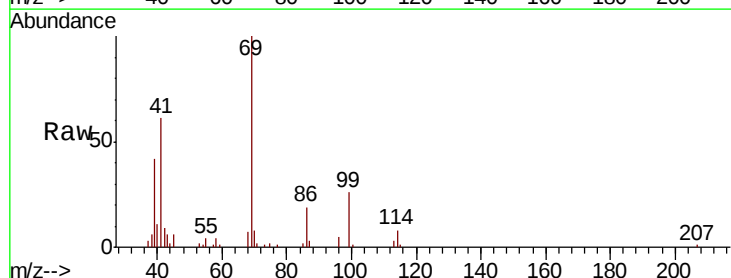
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

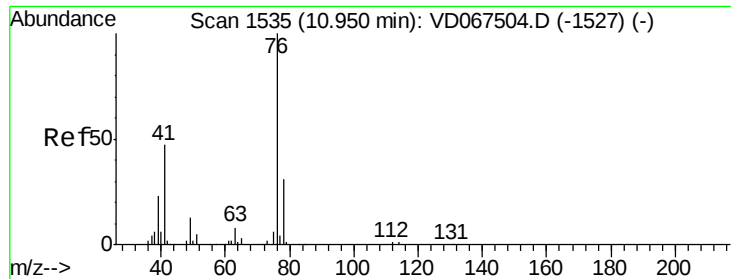
Tot Ion:	97	Resp:	43007
Ion	Ratio	Lower	Upper
97	100		
83	87.3	61.0	91.6
85	55.7	41.5	62.3
99	65.7	49.4	74.2



#56
 Ethyl methacrylate
 Concen: 19.433 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

Tgt Ion:	69	Resp:	40964
Ion	Ratio	Lower	Upper
69	100		
41	57.4	45.4	68.0
39	35.2	27.4	41.0





#57

1,3-Dichloropropane

Concen: 20.183 ug/l

RT: 10.95 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

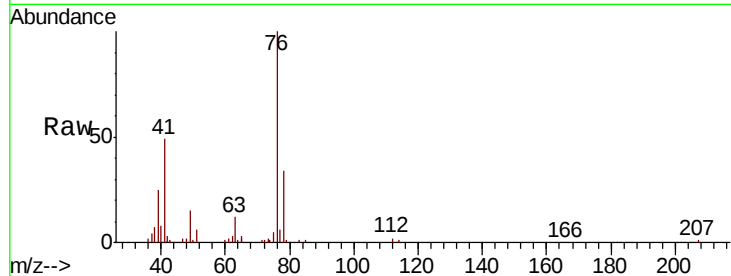
VSTDIC020

Tot Ion: 76 Resp: 66297

Ion Ratio Lower Upper

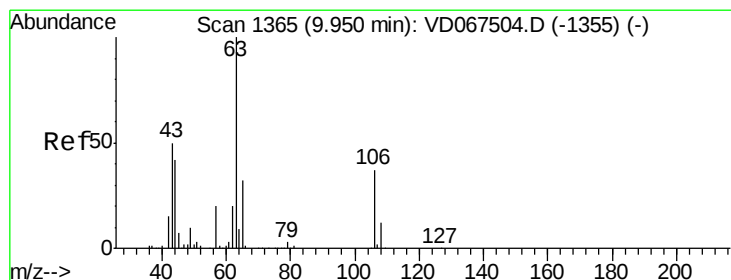
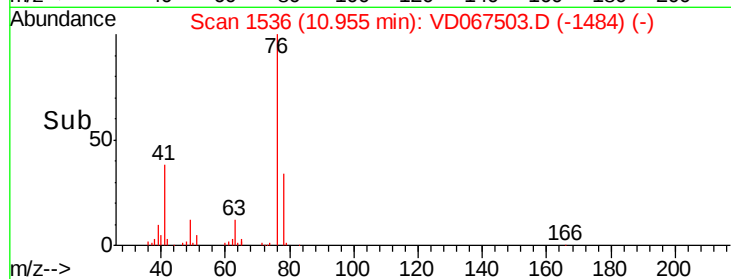
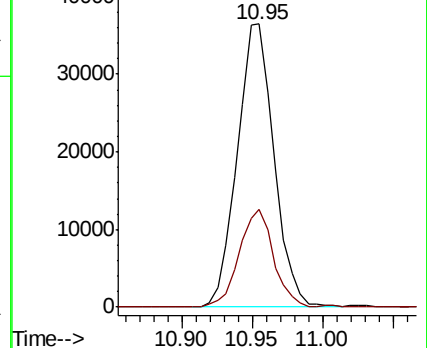
76 100

78 31.9 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 95.624 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD067503.D

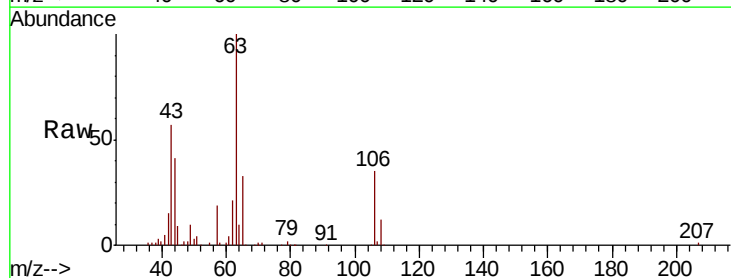
Acq: 03 Nov 2020 11:10

Tgt Ion: 63 Resp: 93997

Ion Ratio Lower Upper

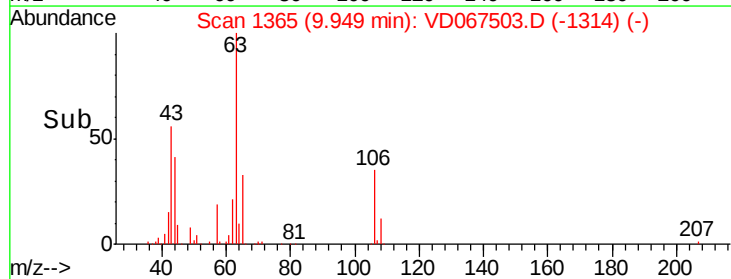
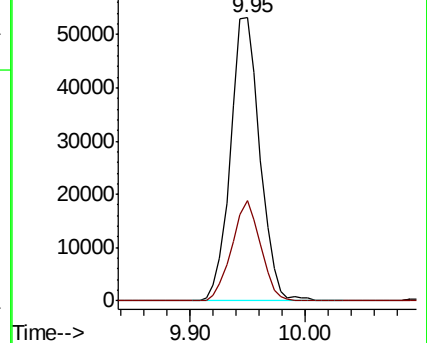
63 100

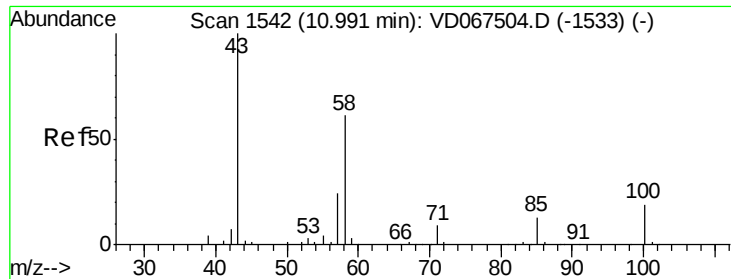
106 34.6 29.2 43.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

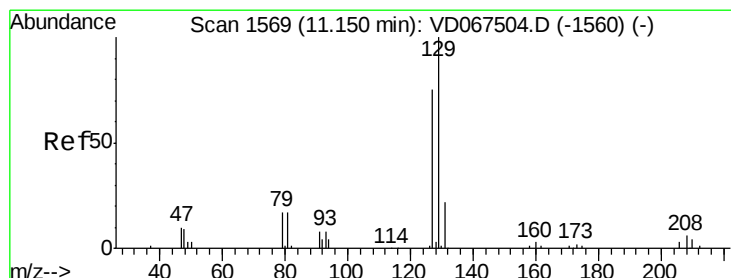
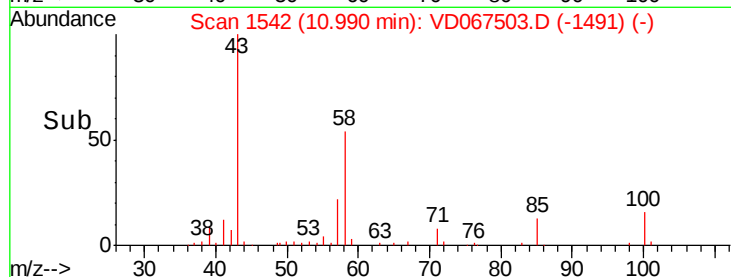
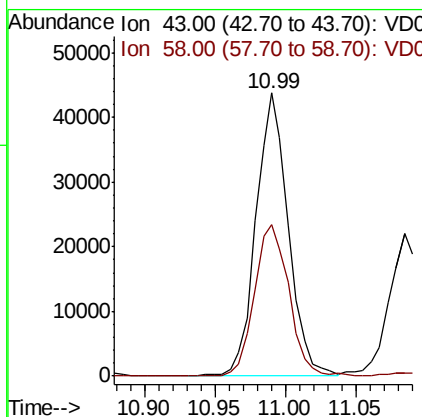
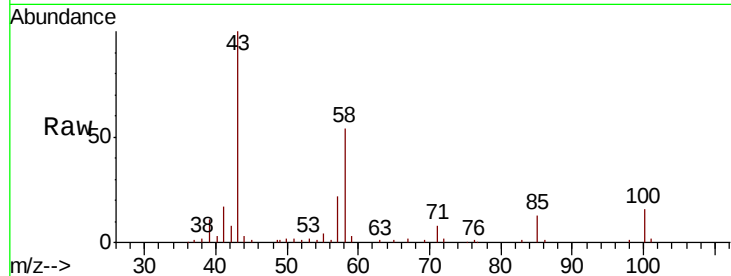




#59
2-Hexanone
Concen: 99.105 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

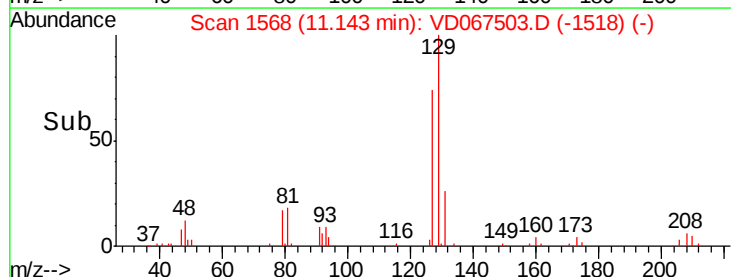
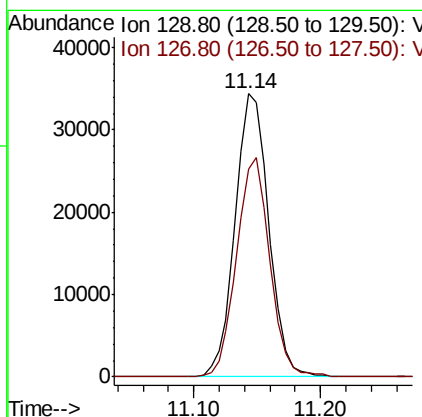
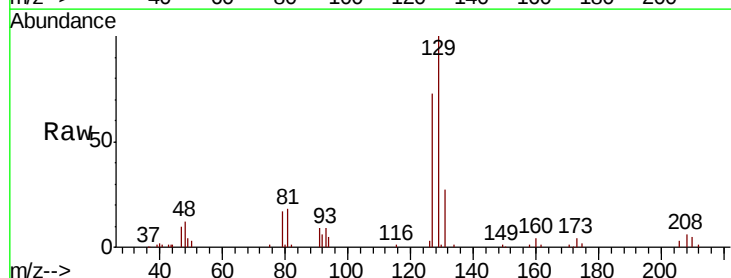
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

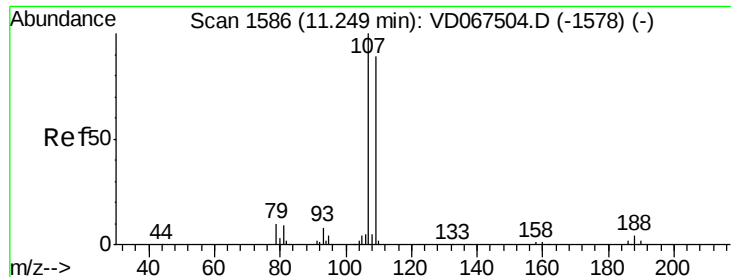
Tot Ion: 43 Resp: 70496
Ion Ratio Lower Upper
43 100
58 57.0 30.3 90.9



#60
Dibromochloromethane
Concen: 20.969 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion: 129 Resp: 63318
Ion Ratio Lower Upper
129 100
127 76.6 38.0 114.1

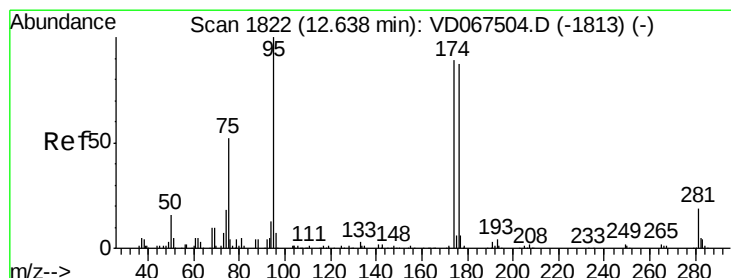
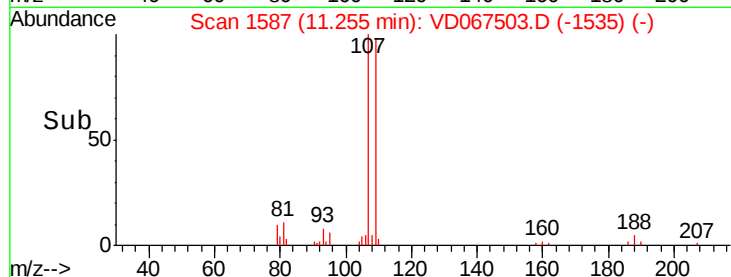
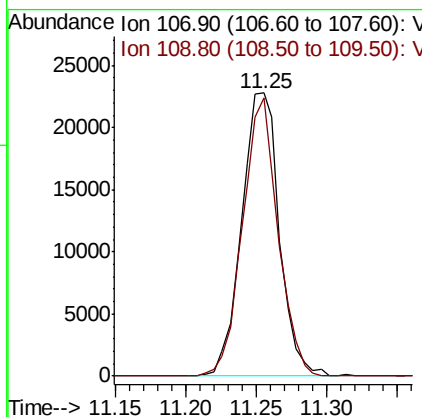
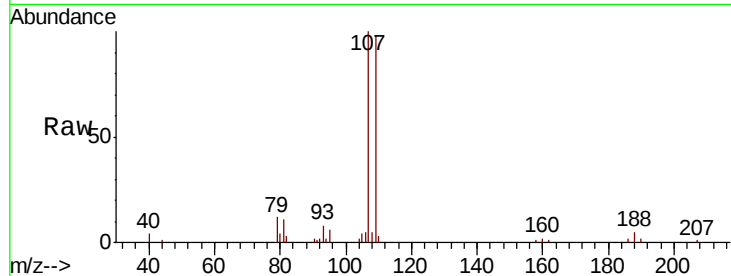




#61
 1,2-Dibromoethane
 Concen: 20.800 ug/l
 RT: 11.25 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

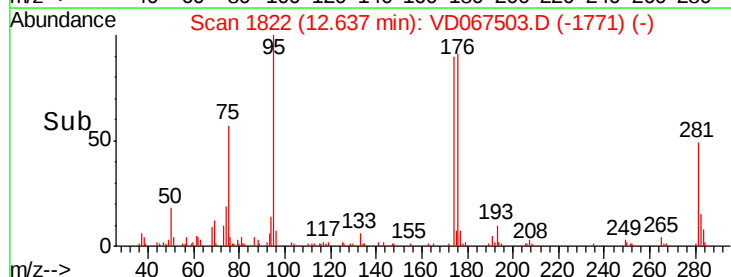
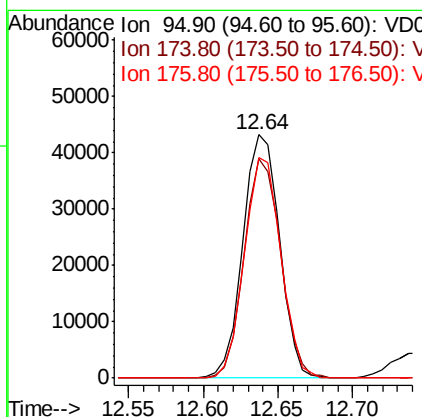
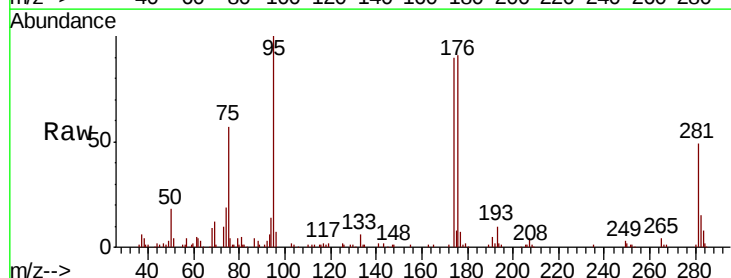
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

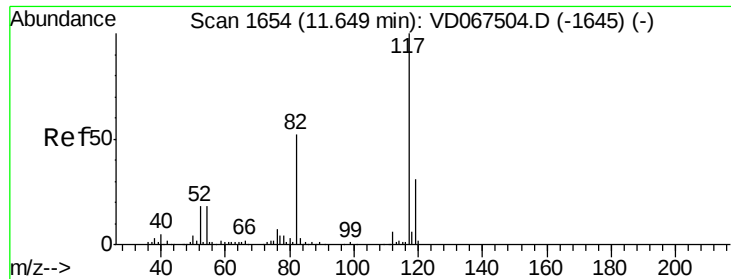
Tot Ion:107 Resp: 42613
 Ion Ratio Lower Upper
 107 100
 109 92.1 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 20.761 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

Tgt Ion: 95 Resp: 73455
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 177.8
 176 90.0 0.0 172.0

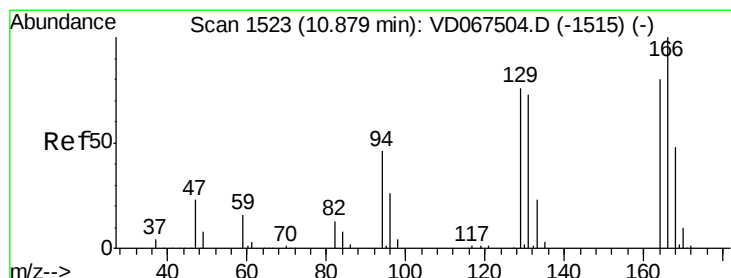
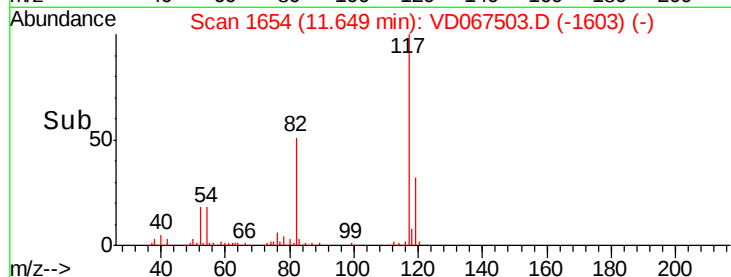
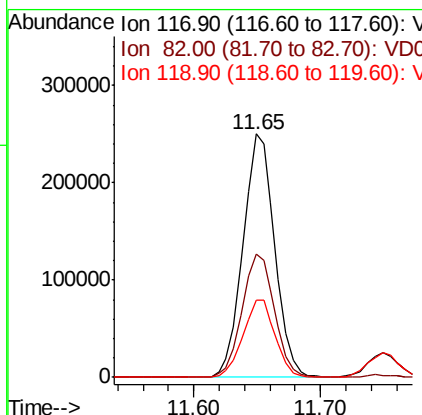
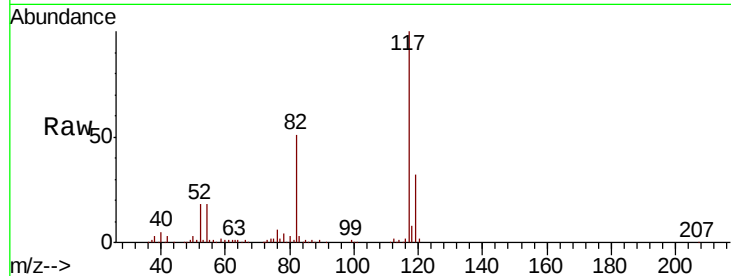




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

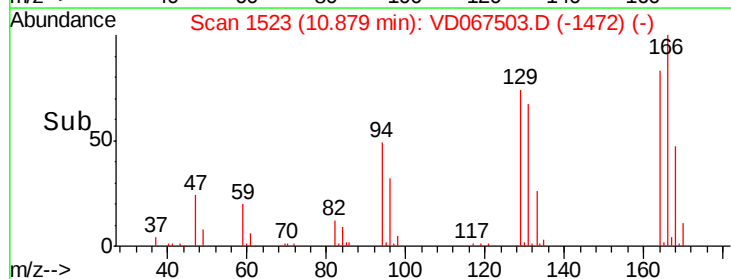
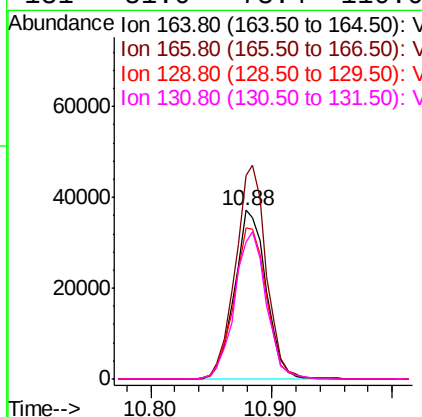
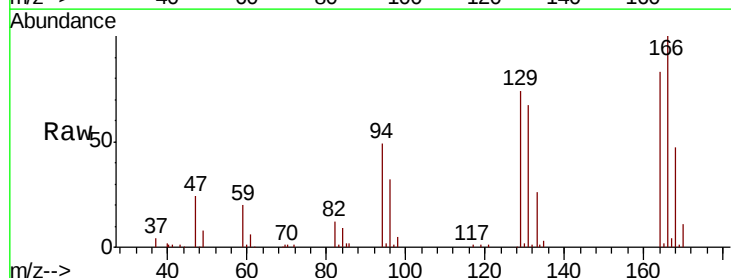
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

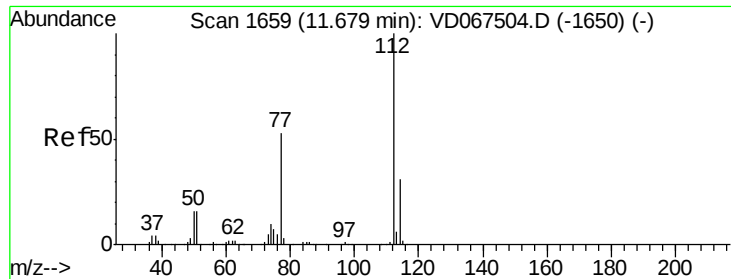
Tot Ion:117 Resp: 434147
Ion Ratio Lower Upper
117 100
82 50.6 41.6 62.4
119 31.5 25.1 37.7



#64
Tetrachloroethene
Concen: 21.109 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion:164 Resp: 67872
Ion Ratio Lower Upper
164 100
166 120.6 99.9 149.9
129 89.7 75.5 113.3
131 81.0 73.4 110.0

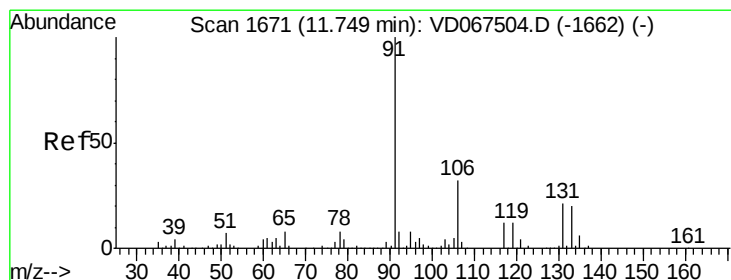
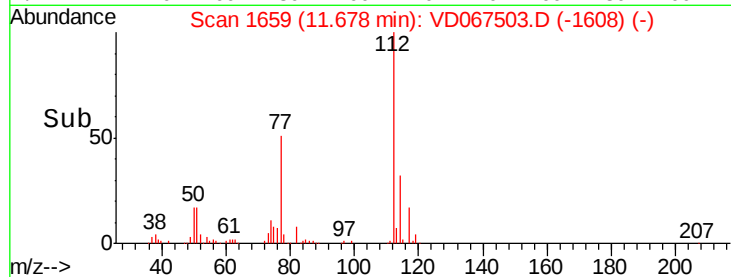
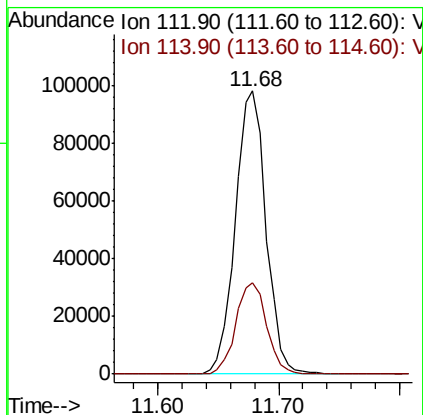
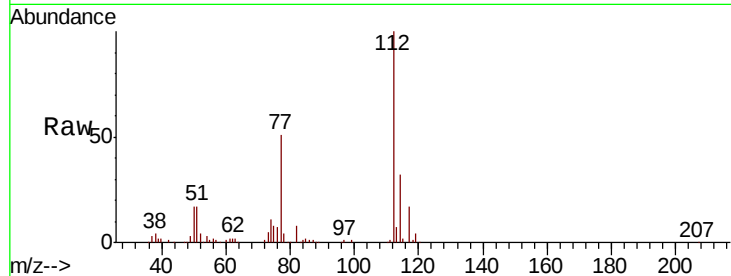




#65
Chlorobenzene
Concen: 20.822 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

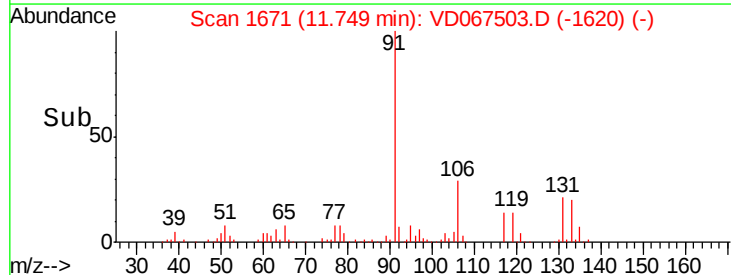
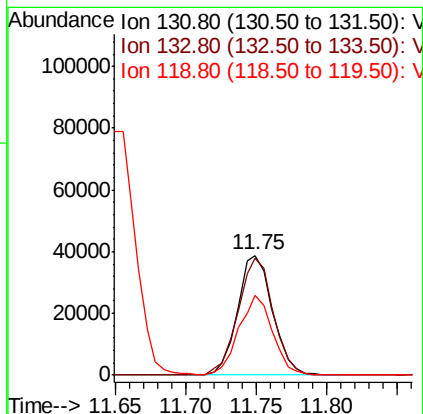
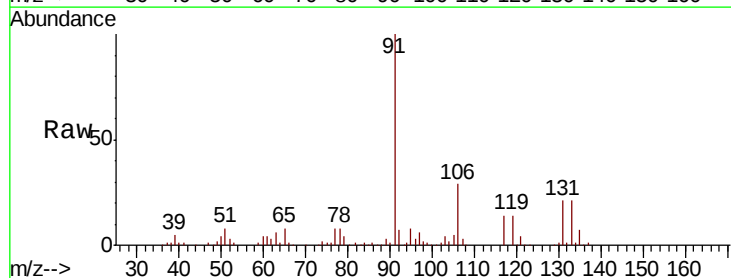
Instrument :
MSVOA_D
ClientSampled :
VSTDIC020

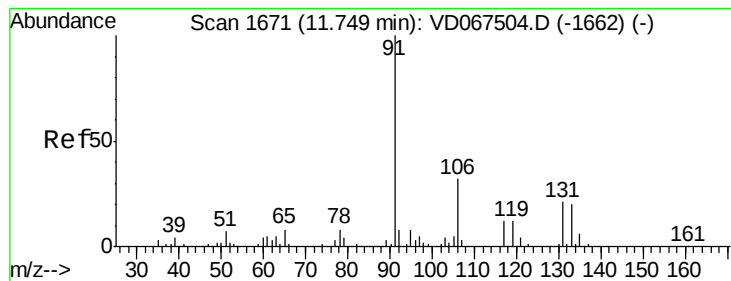
Tot Ion:112 Resp: 174130
Ion Ratio Lower Upper
112 100
114 32.2 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 20.418 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion:131 Resp: 67299
Ion Ratio Lower Upper
131 100
133 98.0 48.0 144.0
119 64.2 30.1 90.5





#67

Ethyl Benzene

Concen: 20.935 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleID :

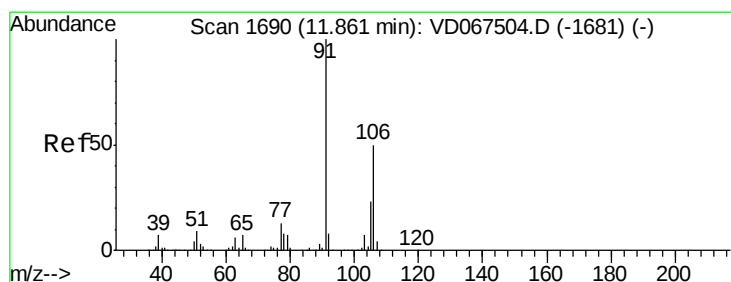
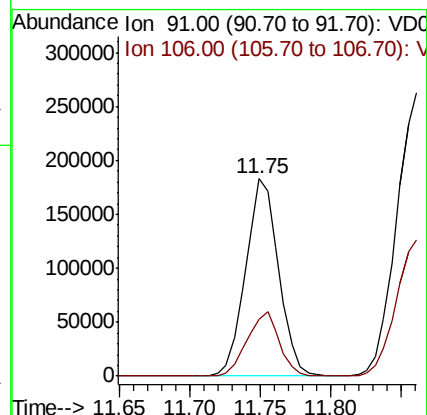
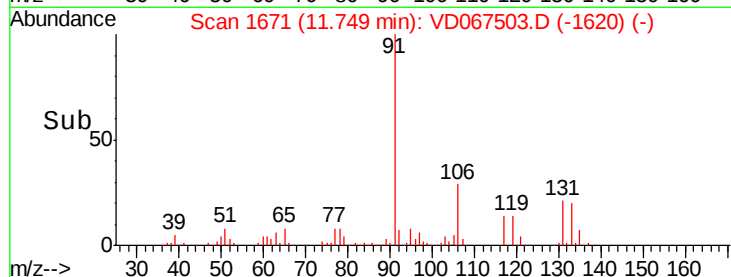
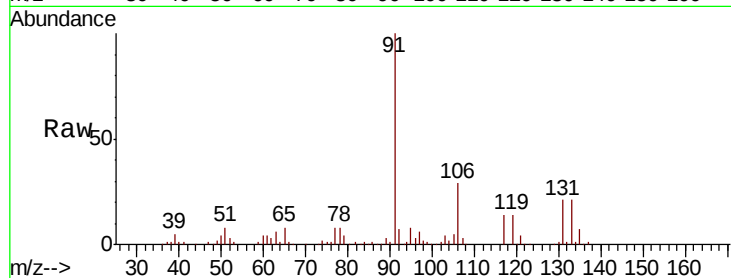
VSTDIC020

Tot Ion: 91 Resp: 299587

Ion Ratio Lower Upper

91 100

106 29.0 25.7 38.5



#68

m/p-Xylenes

Concen: 42.539 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD067503.D

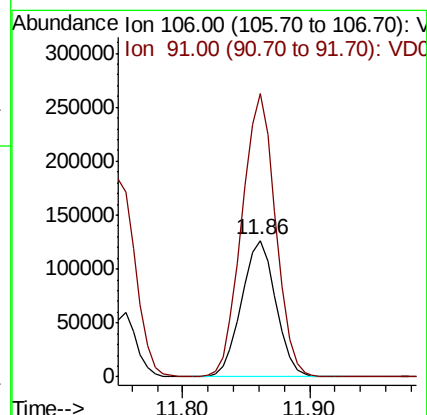
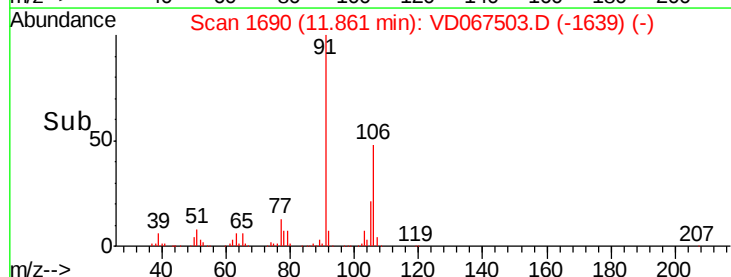
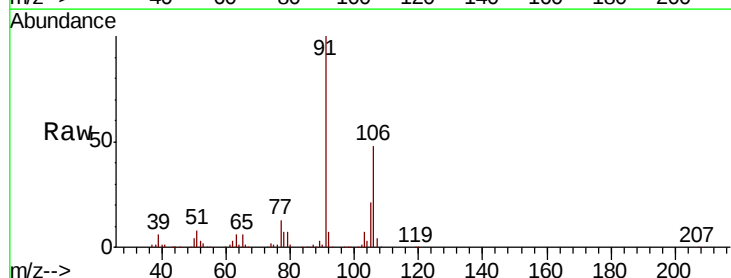
Acq: 03 Nov 2020 11:10

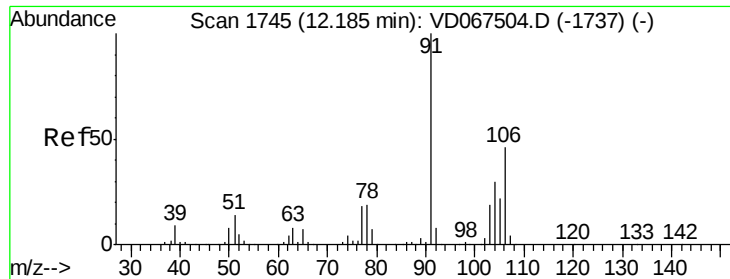
Tgt Ion: 106 Resp: 236834

Ion Ratio Lower Upper

106 100

91 204.8 162.6 244.0

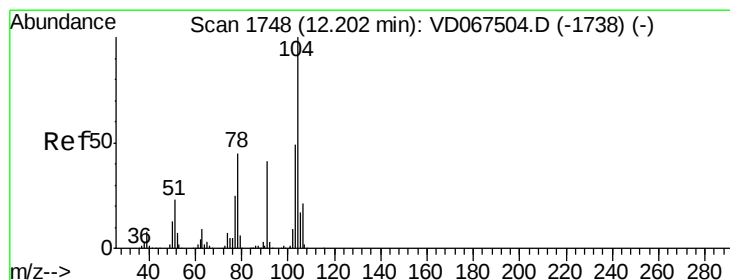
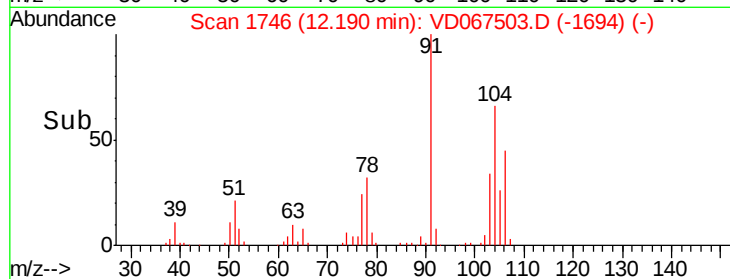
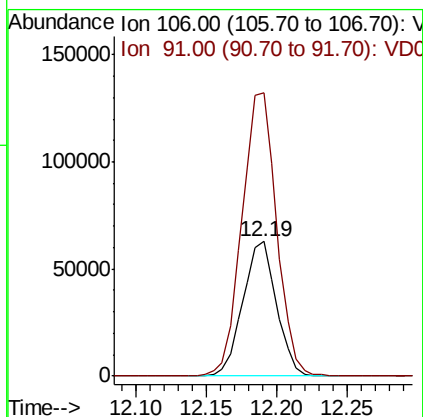
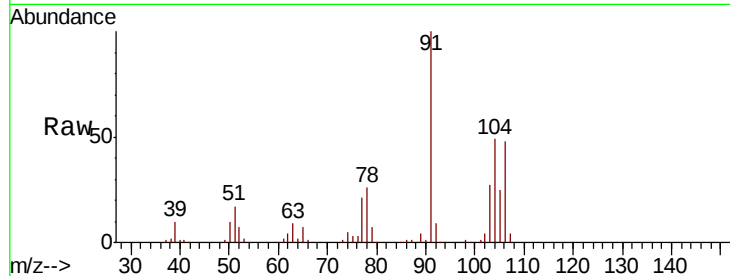




#69
o-Xylene
Concen: 21.146 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

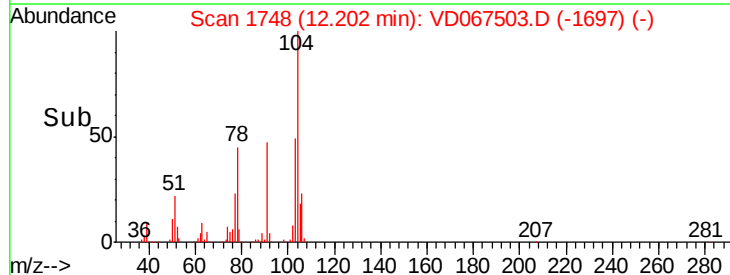
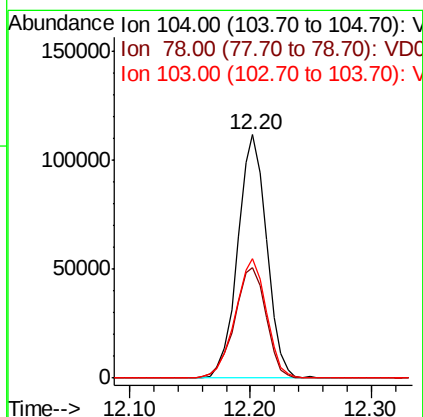
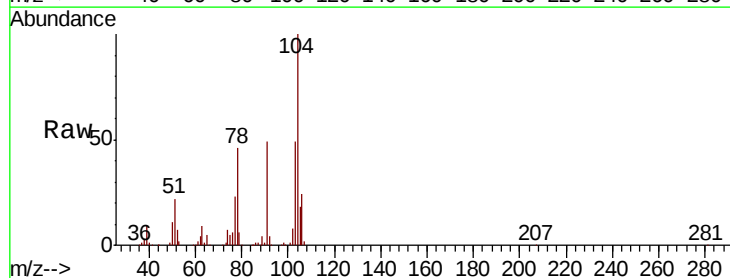
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

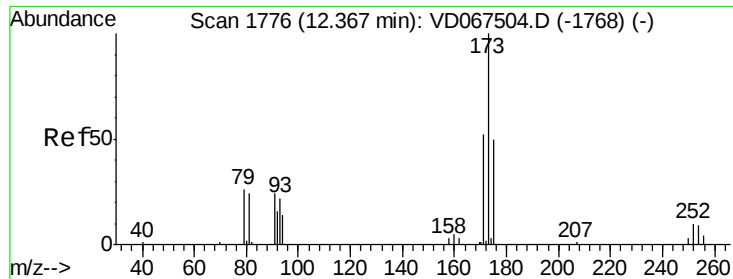
Tot Ion:106 Resp: 105112
Ion Ratio Lower Upper
106 100
91 216.1 107.1 321.1



#70
Styrene
Concen: 21.537 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion:104 Resp: 186545
Ion Ratio Lower Upper
104 100
78 49.4 39.8 59.8
103 52.6 43.9 65.9

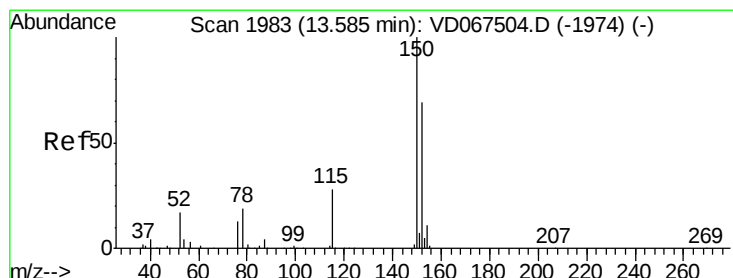
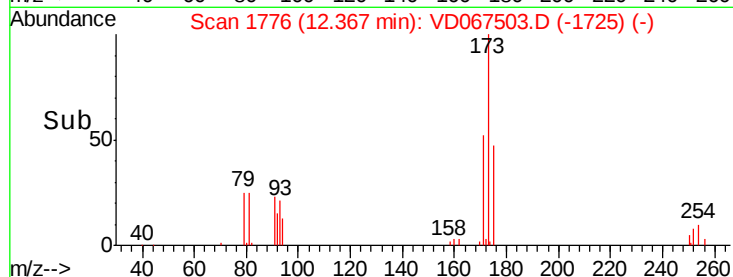
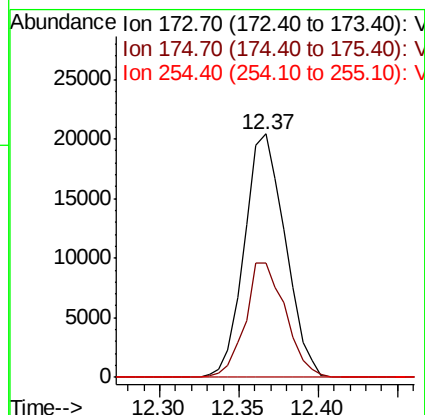
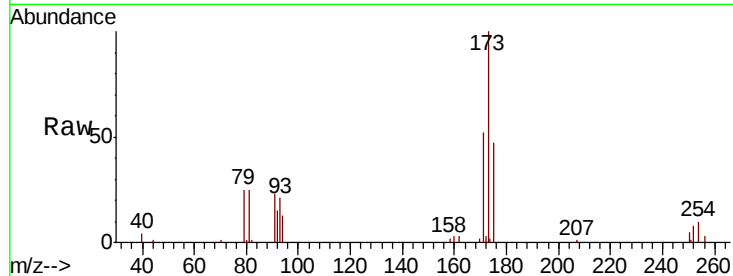




#71
Bromoform
Concen: 21.730 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

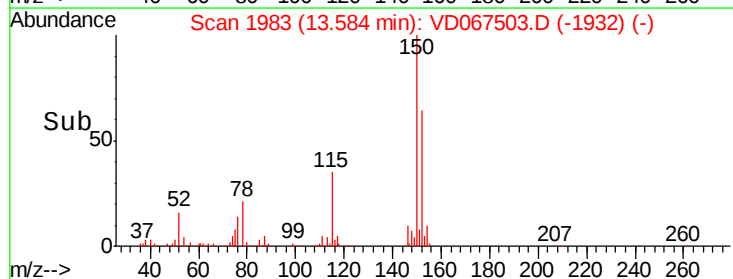
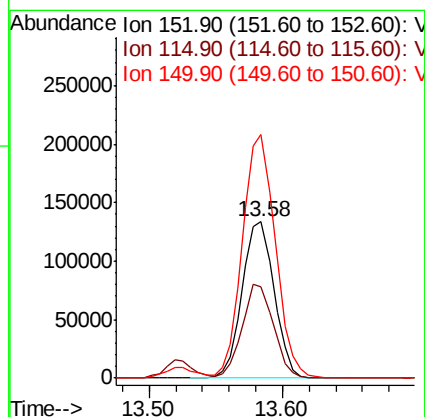
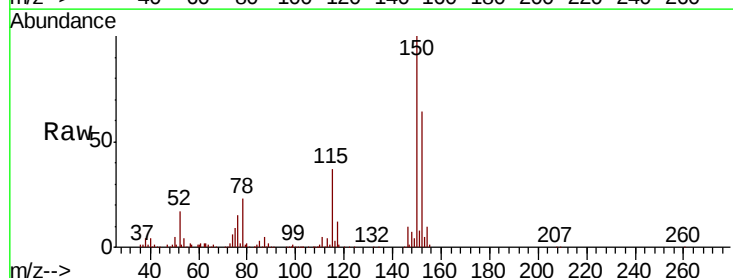
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

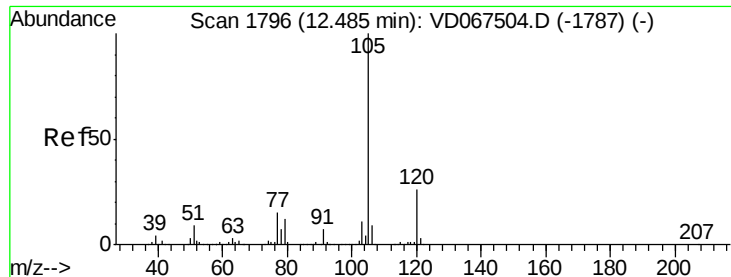
Tot Ion:173 Resp: 36529
Ion Ratio Lower Upper
173 100
175 46.2 24.1 72.2
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion:152 Resp: 221419
Ion Ratio Lower Upper
152 100
115 58.7 29.3 88.0
150 160.6 0.0 338.2





#73

Isopropylbenzene

Concen: 20.819 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.01 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

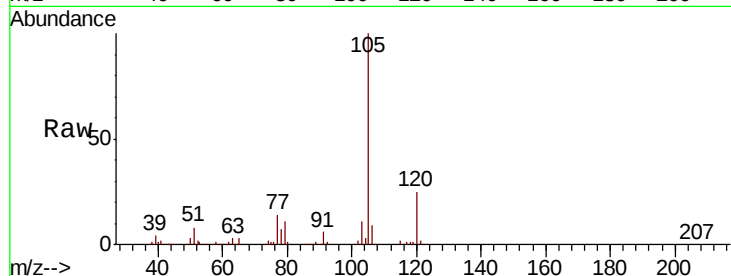
VSTDIC020

Tot Ion:105 Resp: 297921

Ion Ratio Lower Upper

105 100

120 25.7 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.49

200000

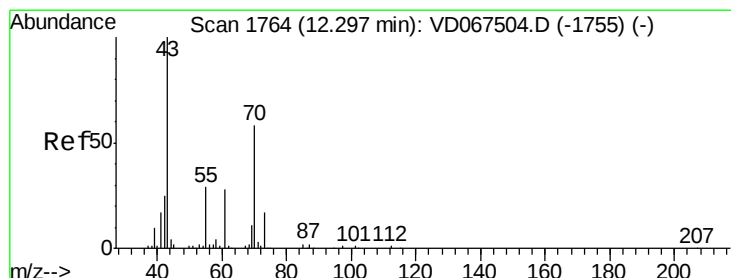
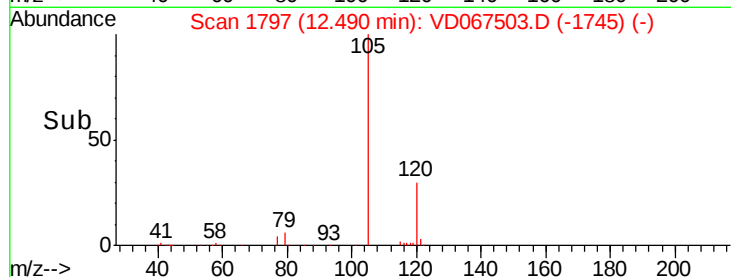
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 19.255 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Tgt Ion: 43 Resp: 36256

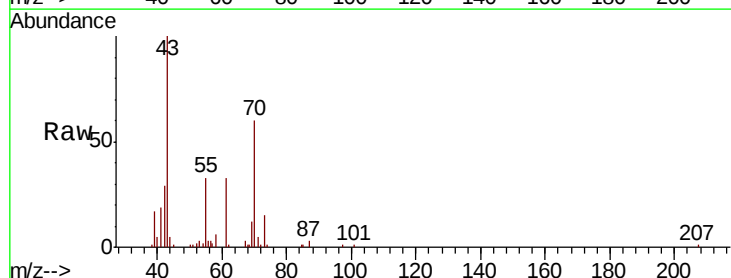
Ion Ratio Lower Upper

43 100

70 54.4 42.6 64.0

55 32.3 23.7 35.5

61 28.6 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

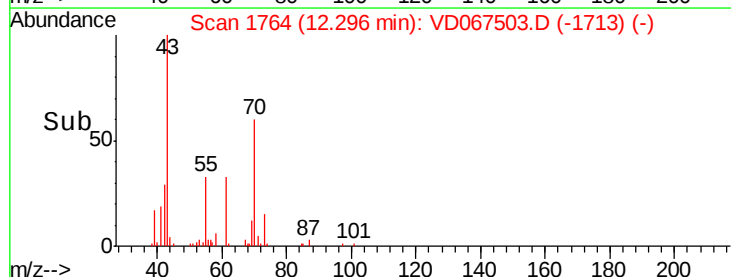
30000

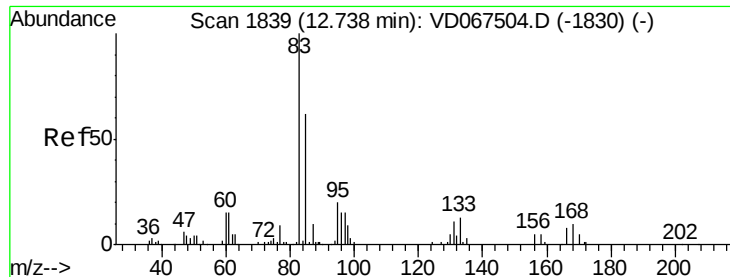
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.537 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

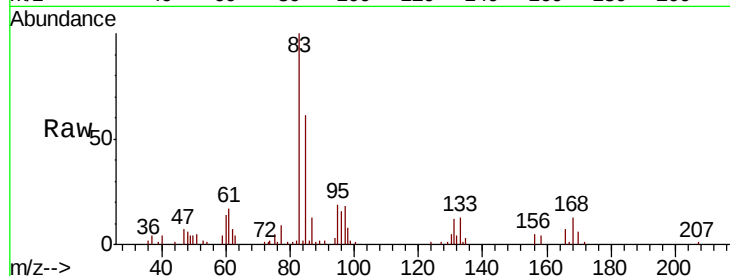
Tot Ion: 83 Resp: 40074

Ion Ratio Lower Upper

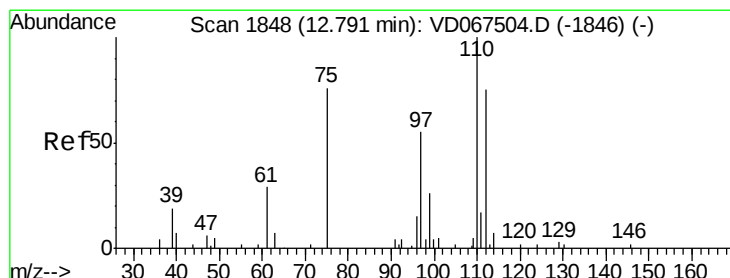
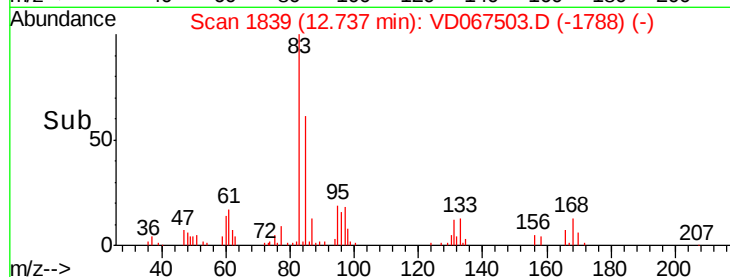
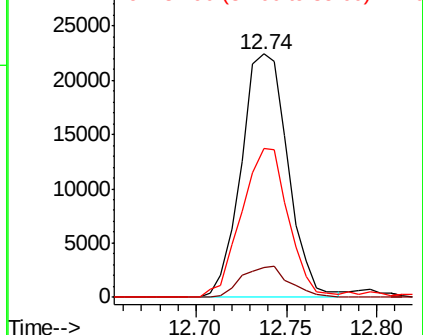
83 100

131 13.1 7.1 21.3

85 61.6 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: 38.973 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067503.D

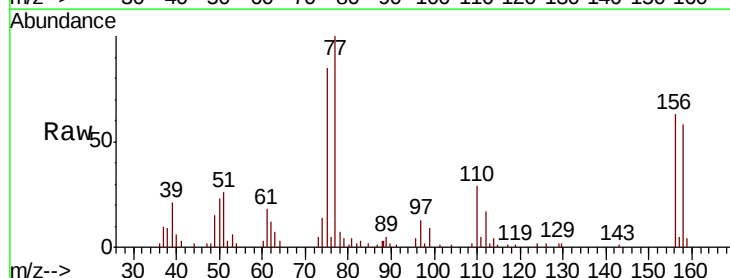
Acq: 03 Nov 2020 11:10

Tgt Ion: 75 Resp: 54419

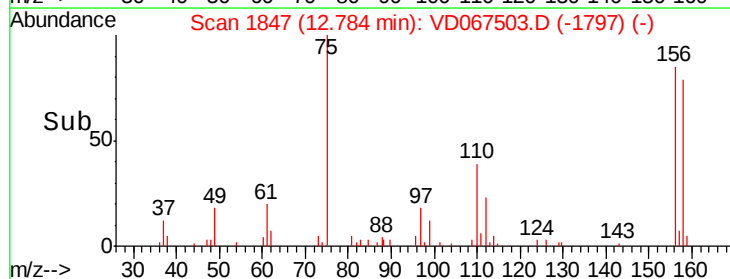
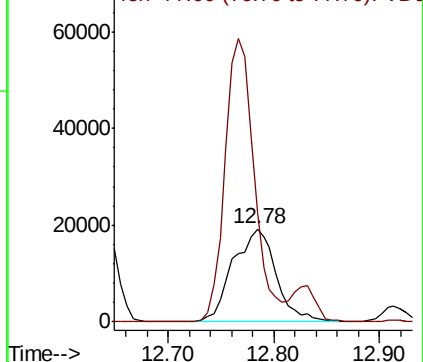
Ion Ratio Lower Upper

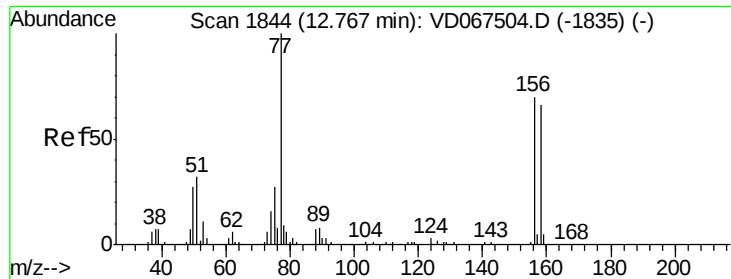
75 100

77 206.3 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: 20.949 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

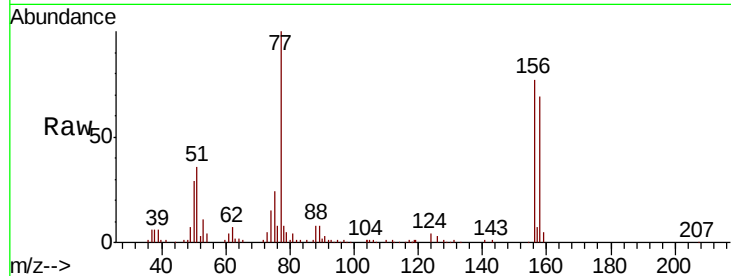
Tot Ion:156 Resp: 73622

Ion Ratio Lower Upper

156 100

77 152.5 77.8 233.5

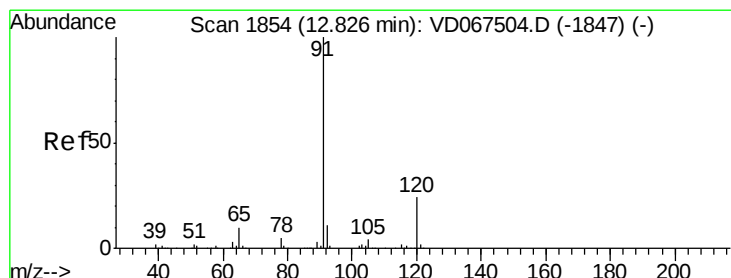
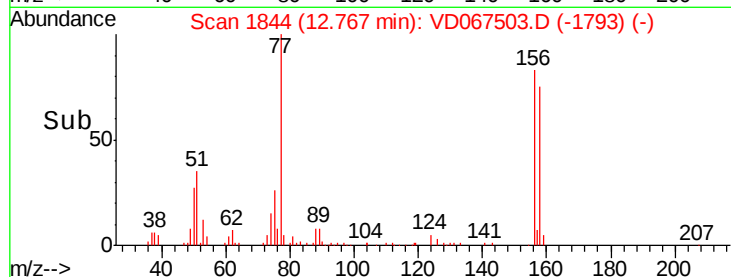
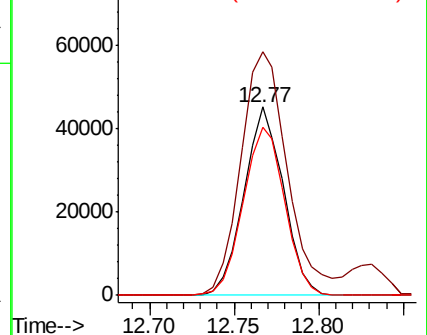
158 93.6 47.9 143.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.870 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067503.D

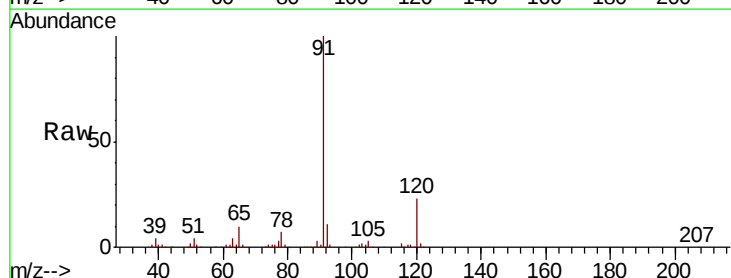
Acq: 03 Nov 2020 11:10

Tgt Ion: 91 Resp: 341599

Ion Ratio Lower Upper

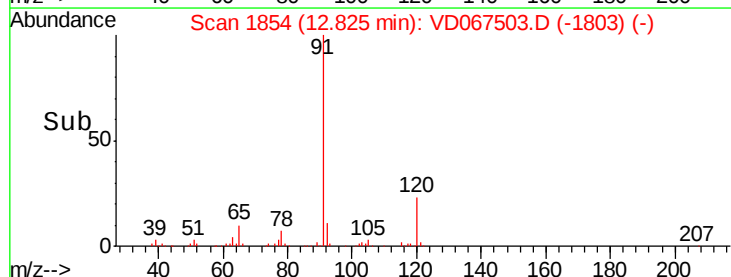
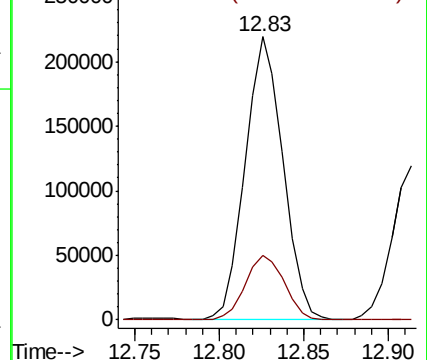
91 100

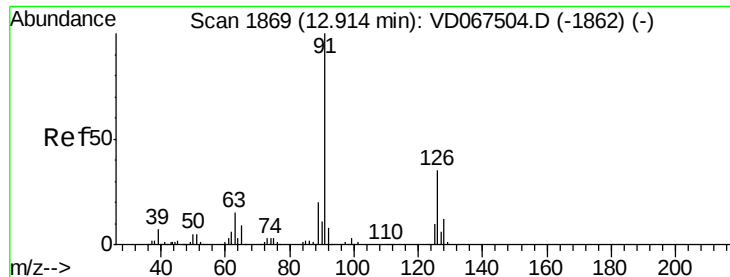
120 23.6 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.038 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

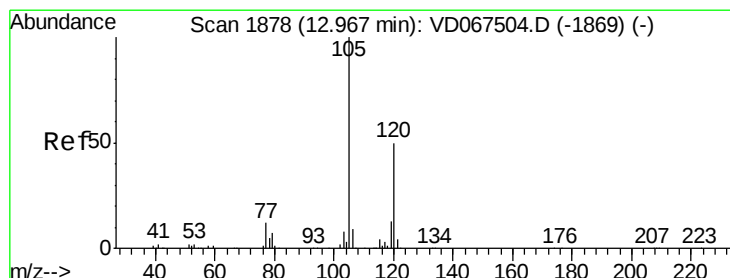
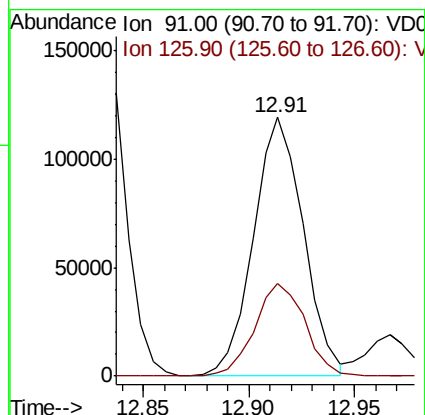
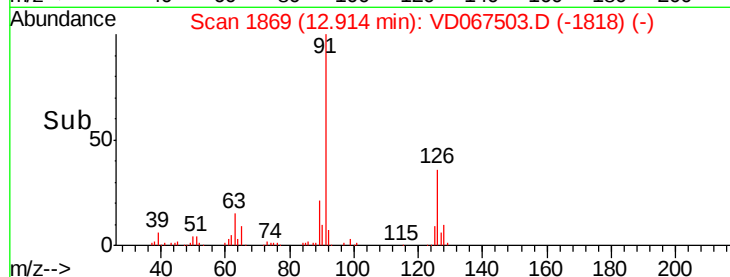
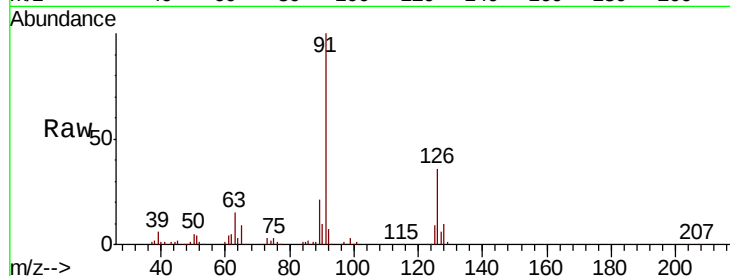
VSTDIC020

Tot Ion: 91 Resp: 195611

Ion Ratio Lower Upper

91 100

126 36.0 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 20.796 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD067503.D

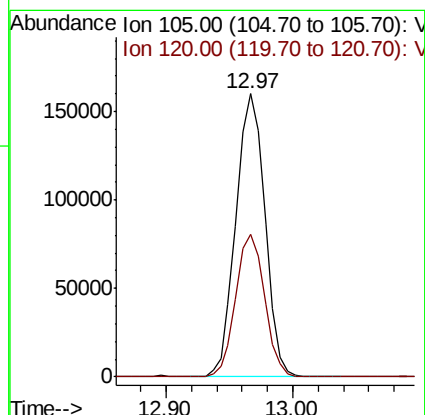
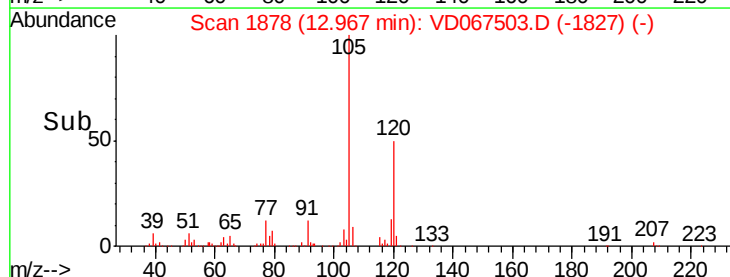
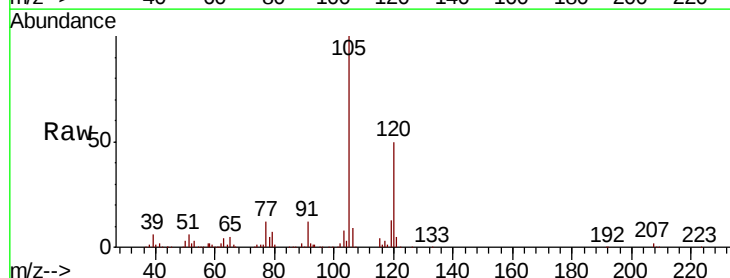
Acq: 03 Nov 2020 11:10

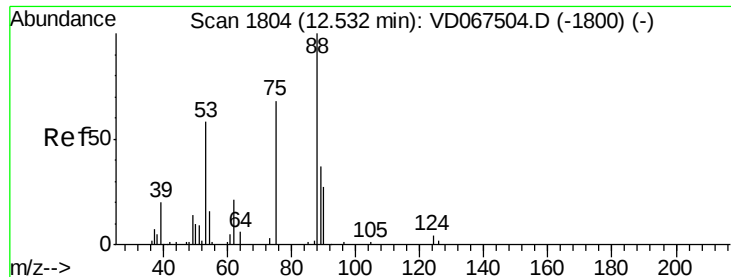
Tgt Ion:105 Resp: 254209

Ion Ratio Lower Upper

105 100

120 50.0 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.937 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

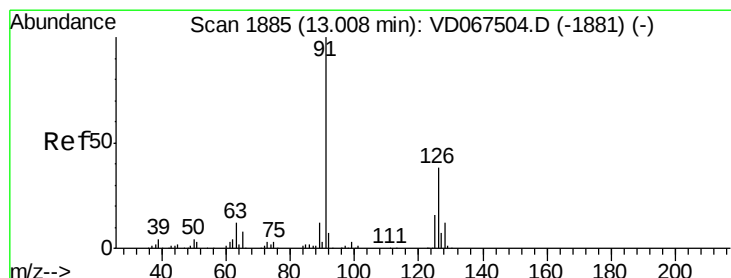
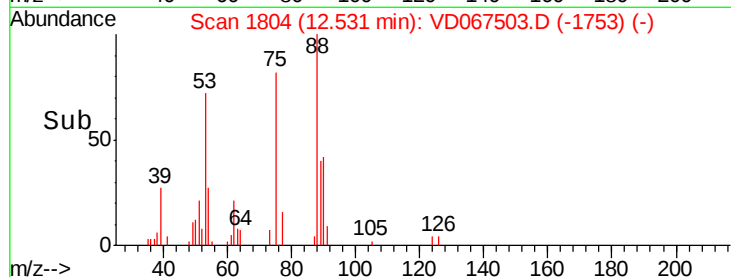
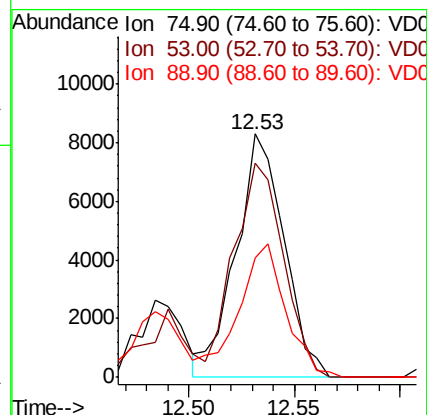
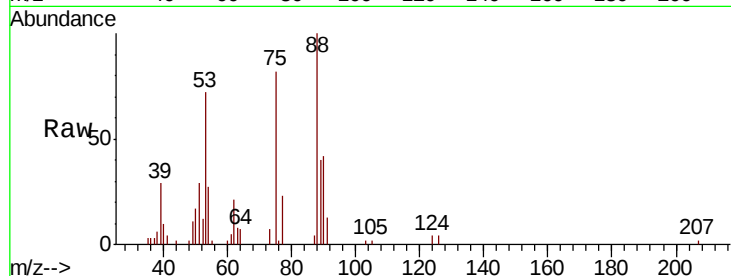
Tot Ion: 75 Resp: 13117

Ion Ratio Lower Upper

75 100

53 90.6 75.9 113.9

89 52.5 44.6 67.0



#82

4-Chlorotoluene

Concen: 21.026 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD067503.D

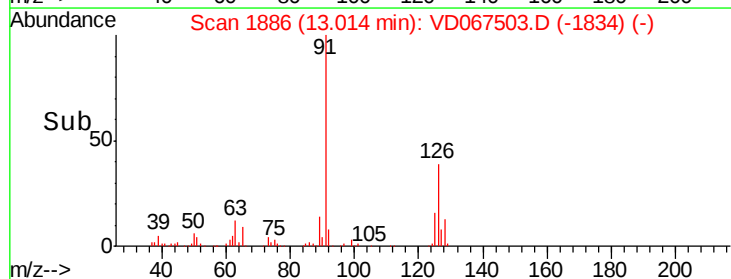
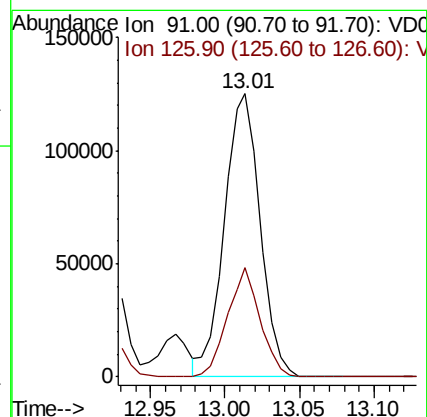
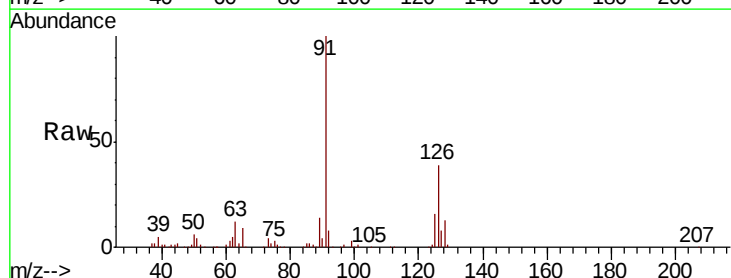
Acq: 03 Nov 2020 11:10

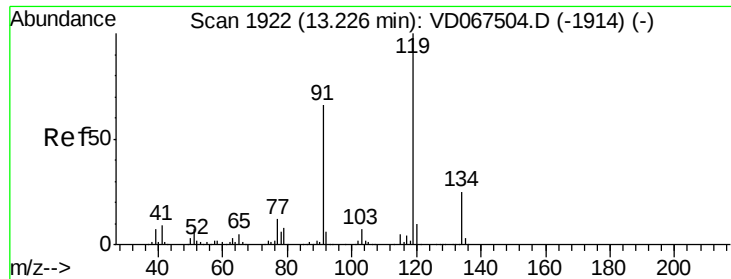
Tgt Ion: 91 Resp: 209674

Ion Ratio Lower Upper

91 100

126 35.2 17.9 53.7





#83

tert-Butylbenzene

Concen: 20.453 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

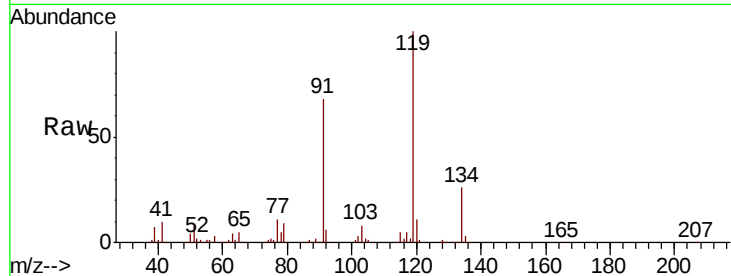
Tot Ion:119 Resp: 211900

Ion Ratio Lower Upper

119 100

91 64.8 32.7 98.1

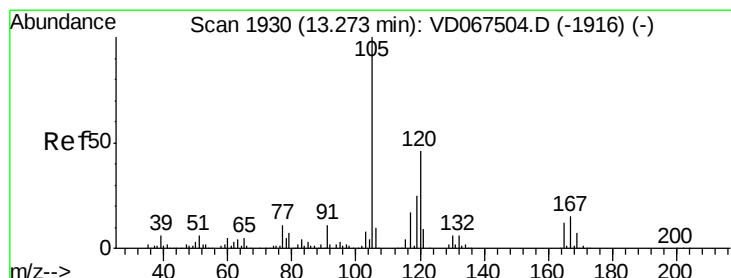
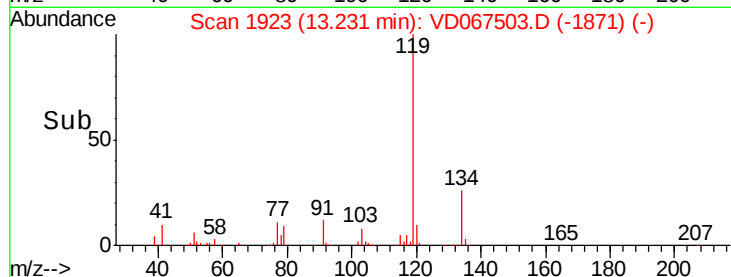
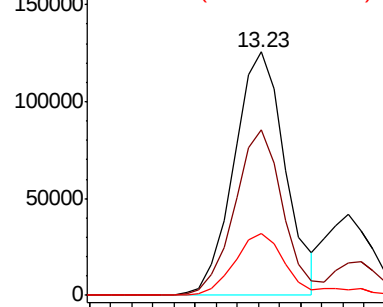
134 27.1 13.4 40.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.984 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD067503.D

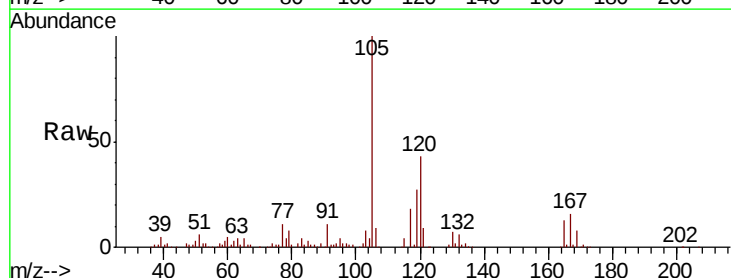
Acq: 03 Nov 2020 11:10

Tgt Ion:105 Resp: 255336

Ion Ratio Lower Upper

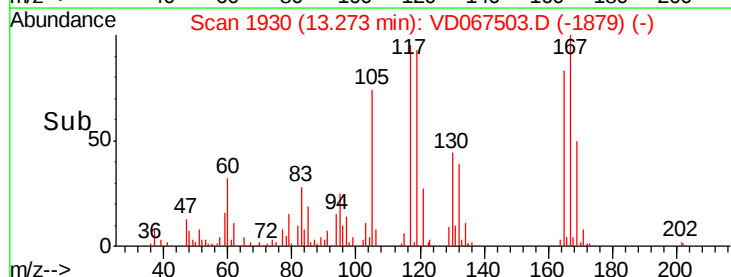
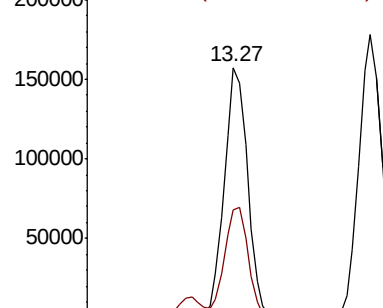
105 100

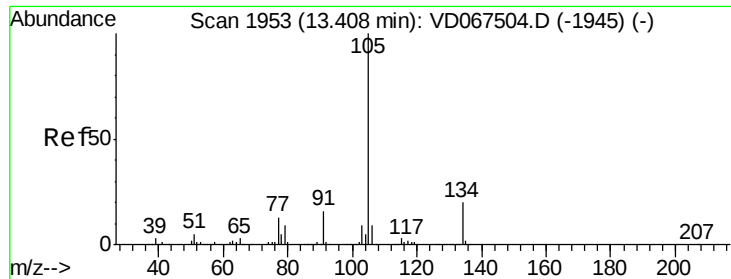
120 44.0 22.1 66.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

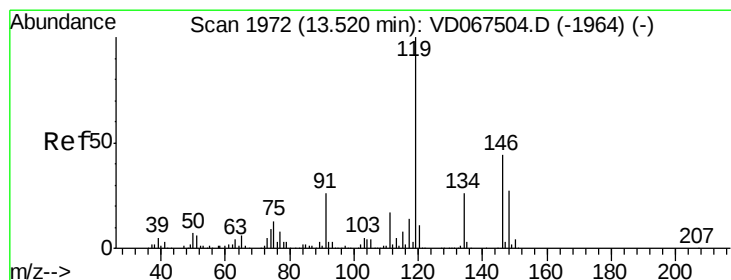
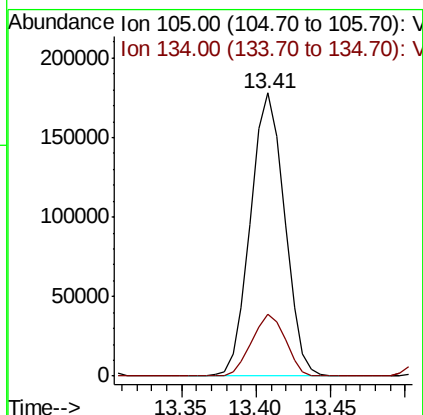
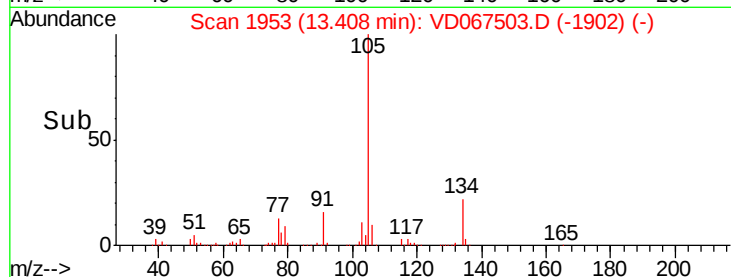
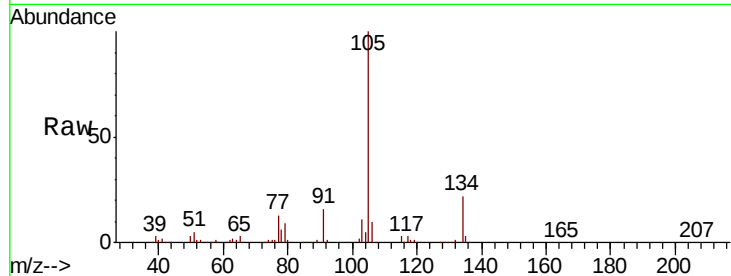




#85
 sec-Butylbenzene
 Concen: 20.125 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

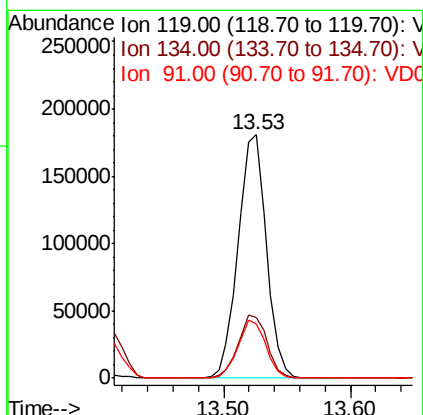
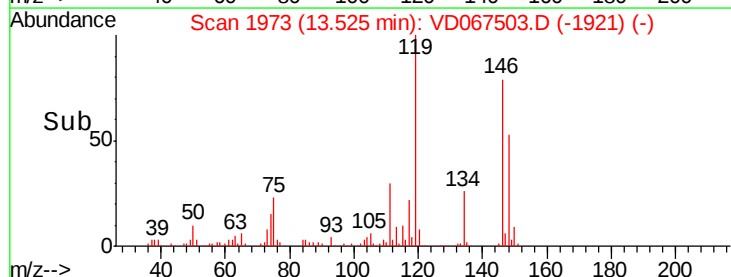
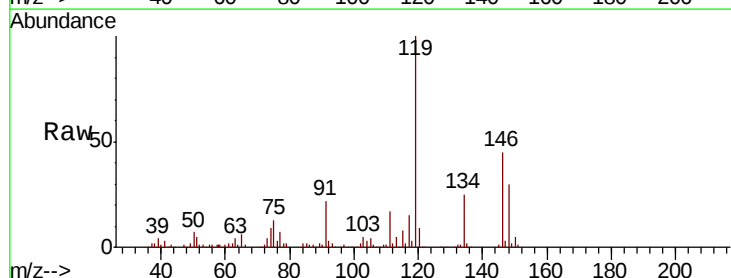
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

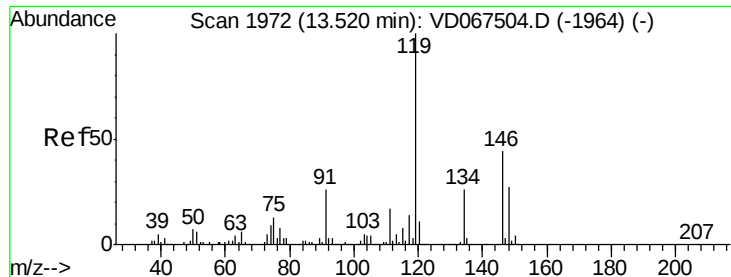
Tot Ion:105 Resp: 281455
 Ion Ratio Lower Upper
 105 100
 134 21.6 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 20.635 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

Tgt Ion:119 Resp: 278690
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.1 39.3
 91 23.4 12.2 36.4

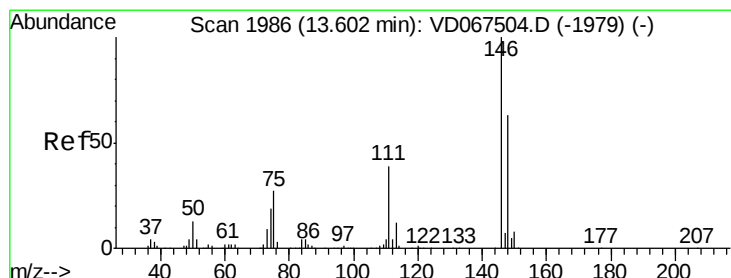
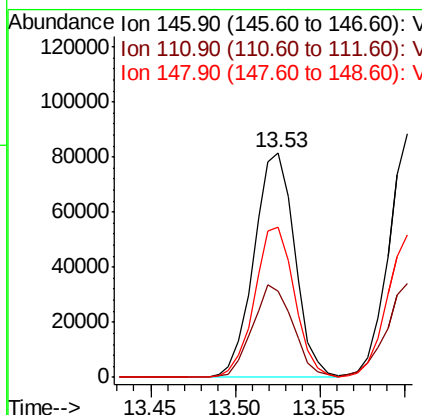
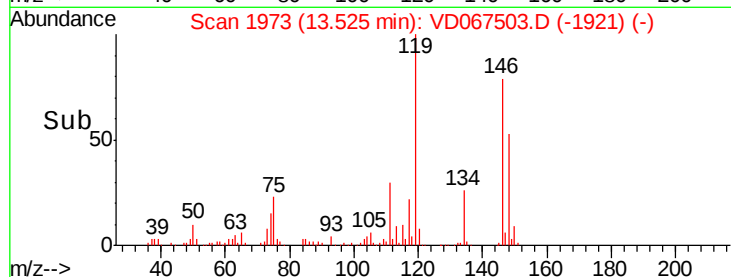
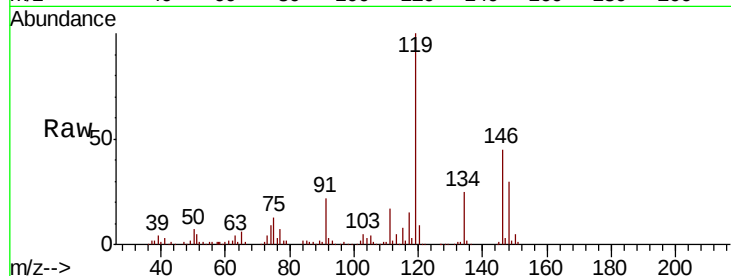




#87
 1,3-Dichlorobenzene
 Concen: 20.358 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

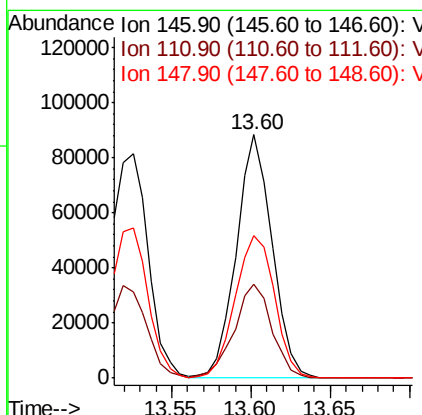
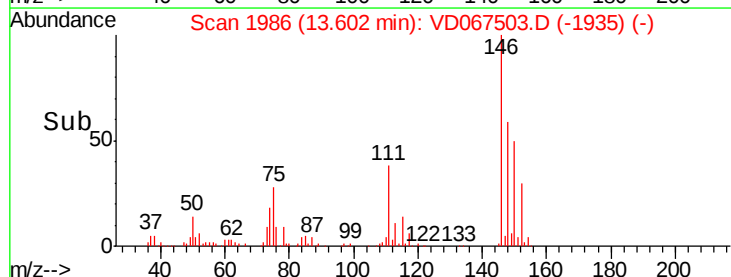
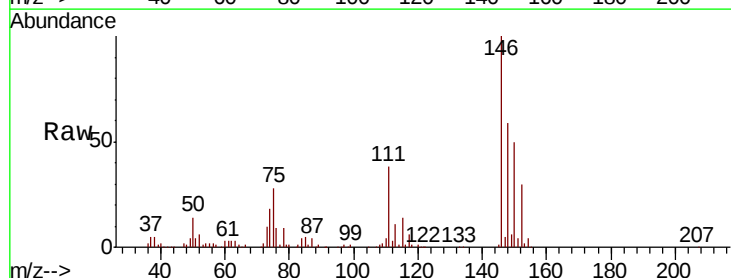
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

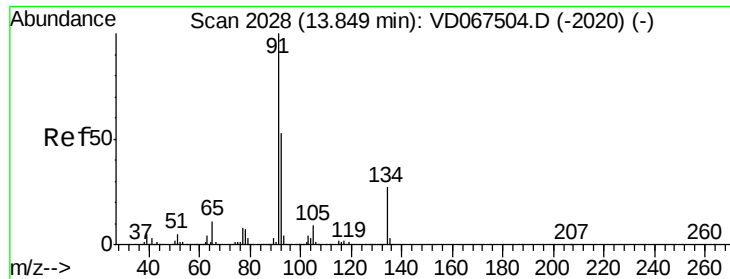
Tot Ion:146 Resp: 136517
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.3 60.8
 148 65.8 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 20.398 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

Tgt Ion:146 Resp: 138508
 Ion Ratio Lower Upper
 146 100
 111 40.6 19.6 58.7
 148 64.7 31.8 95.4

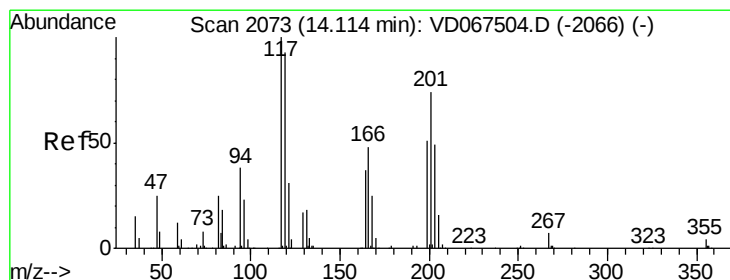
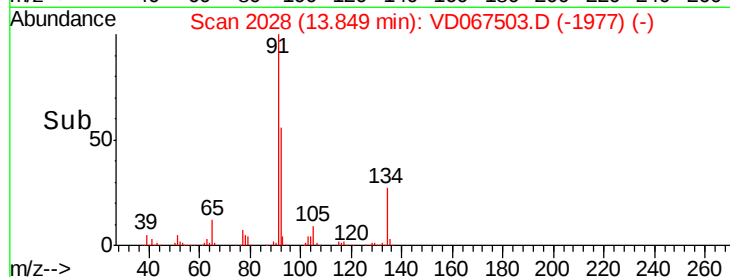
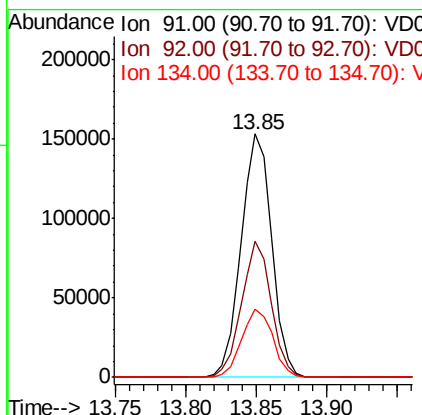
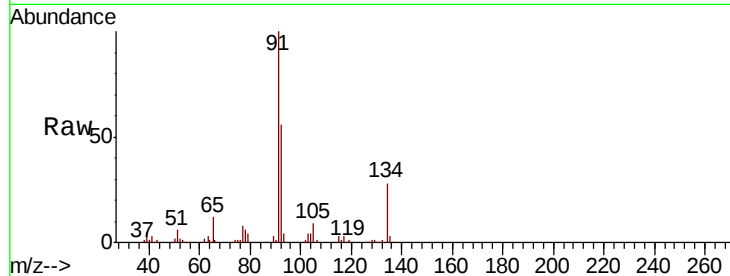




#89
n-Butylbenzene
Concen: 19.968 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

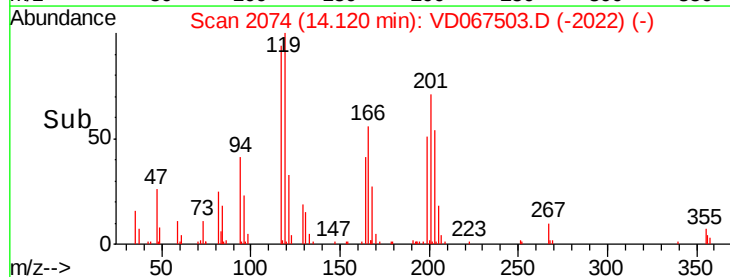
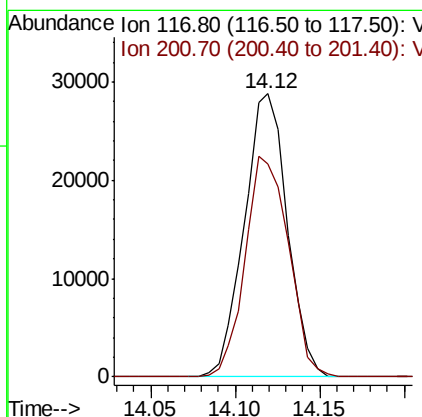
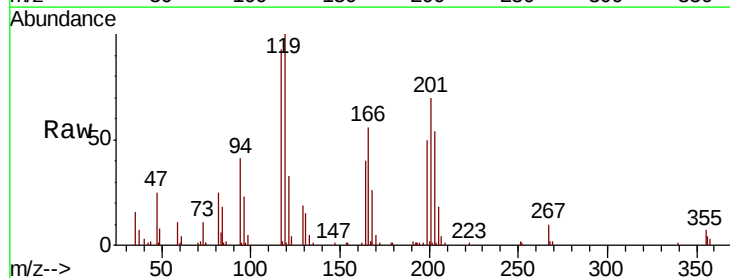
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

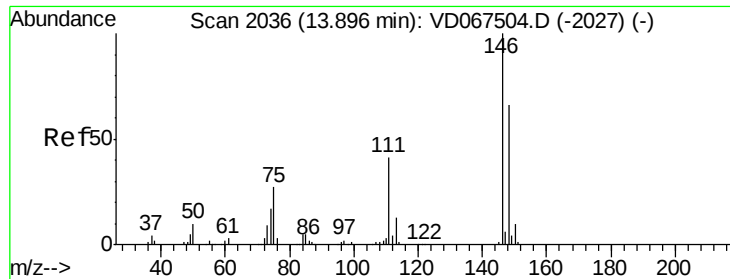
Tot Ion: 91 Resp: 232938
Ion Ratio Lower Upper
91 100
92 54.2 26.6 79.8
134 28.6 14.1 42.2



#90
Hexachloroethane
Concen: 20.054 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion: 117 Resp: 51005
Ion Ratio Lower Upper
117 100
201 78.7 40.7 122.1

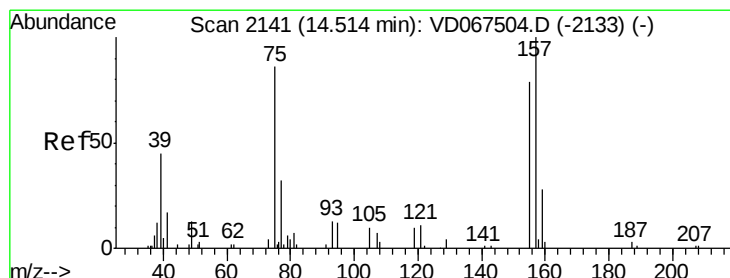
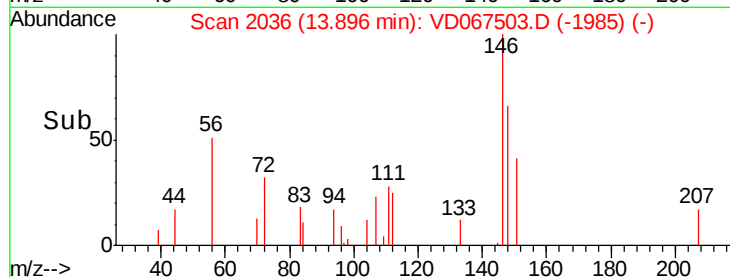
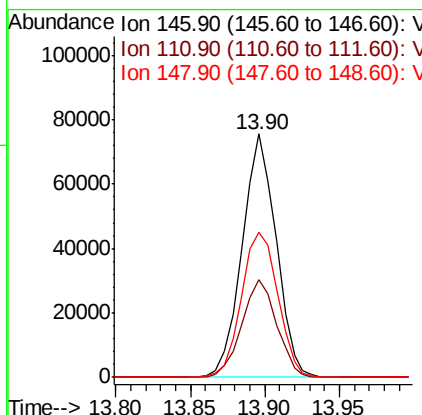
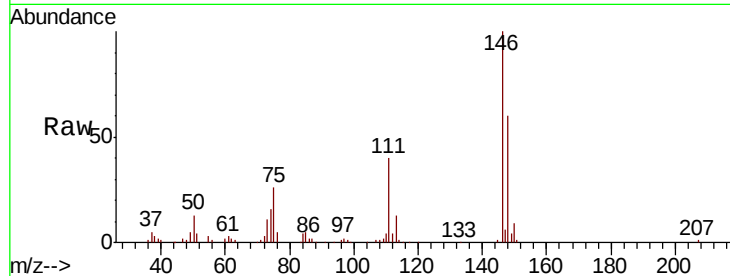




#91
 1,2-Dichlorobenzene
 Concen: 20.516 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

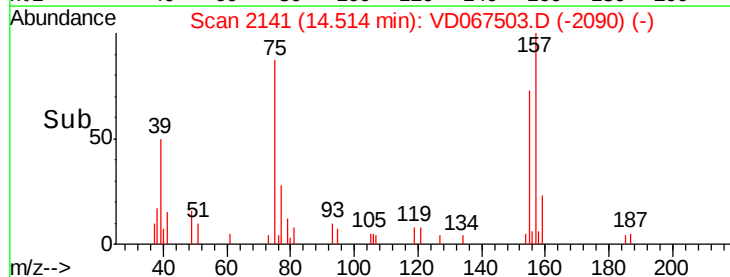
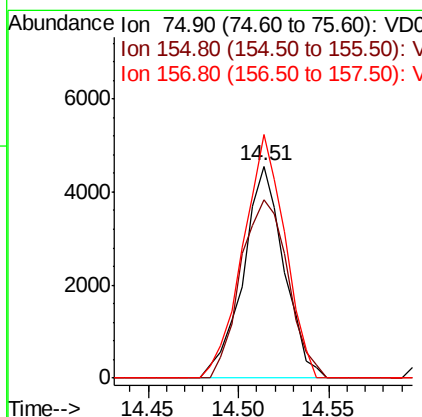
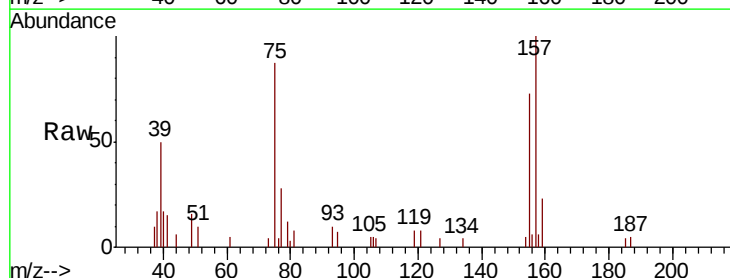
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

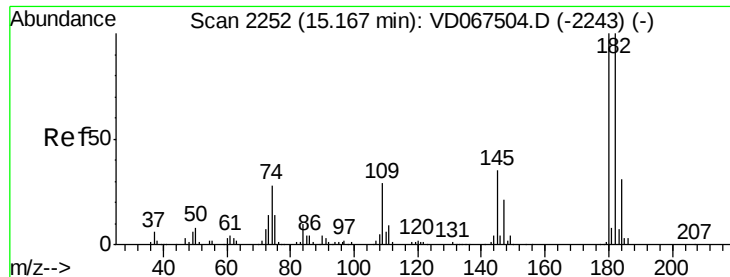
Tot Ion:146 Resp: 119068
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.7 62.1
 148 63.9 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.640 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

Tgt Ion: 75 Resp: 7131
 Ion Ratio Lower Upper
 75 100
 155 97.5 46.6 139.8
 157 117.9 58.1 174.2

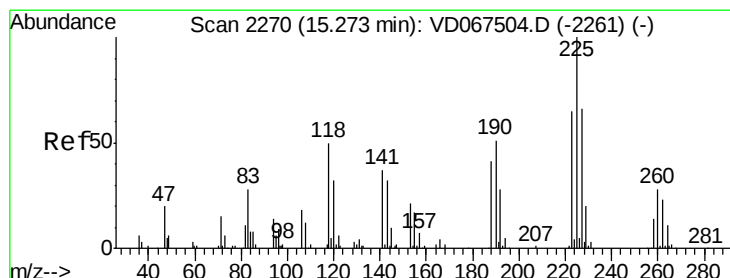
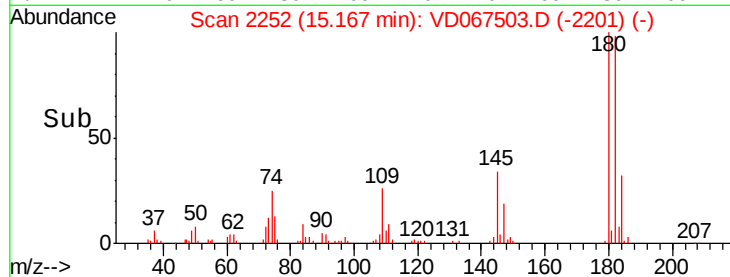
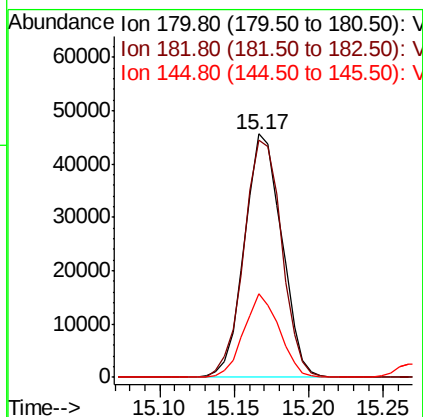
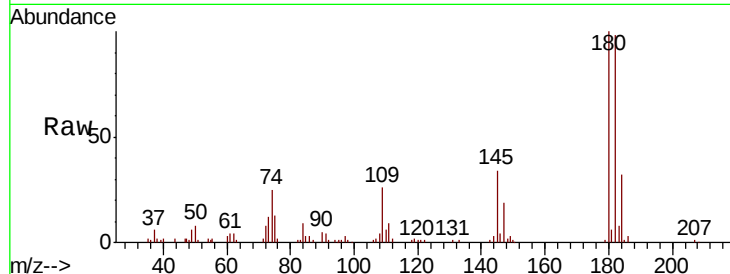




#93
 1,2,4-Trichlorobenzene
 Concen: 20.084 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

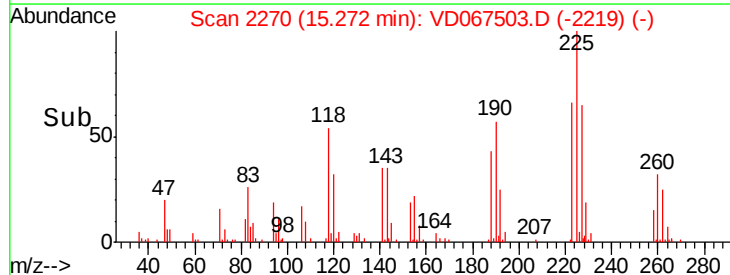
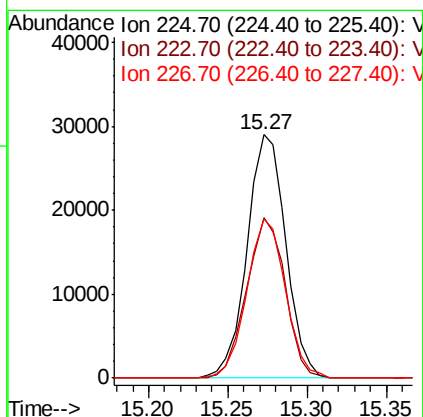
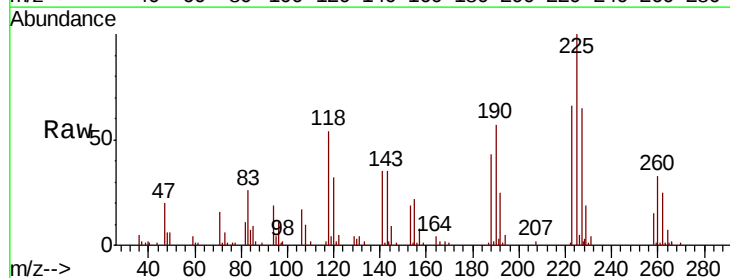
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

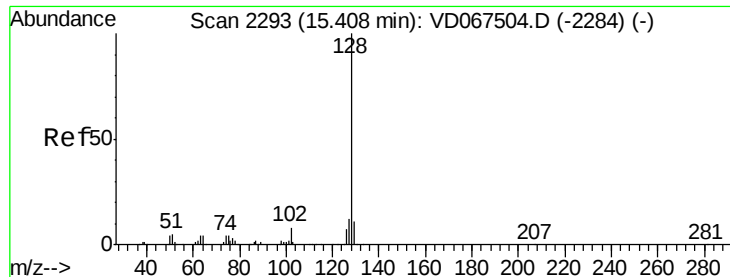
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.6	47.4	142.3
145	32.6	16.2	48.6



#94
 Hexachlorobutadiene
 Concen: 18.709 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.7	31.9	95.5
227	65.3	32.5	97.4





#95

Naphthalene

Concen: 19.502 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

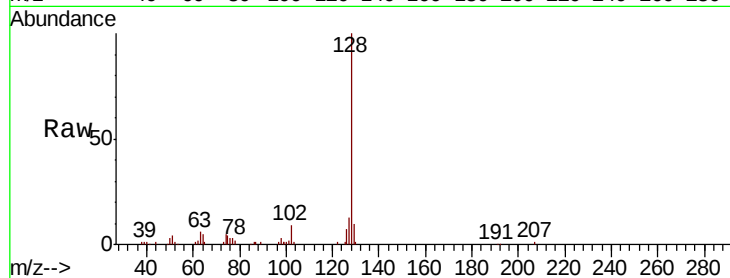
Tot Ion:128 Resp: 118553

Ion Ratio Lower Upper

128 100

127 13.8 10.2 15.4

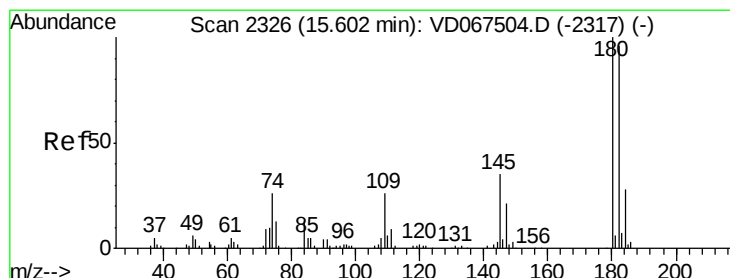
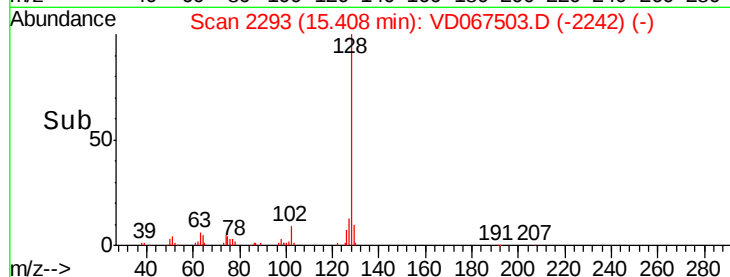
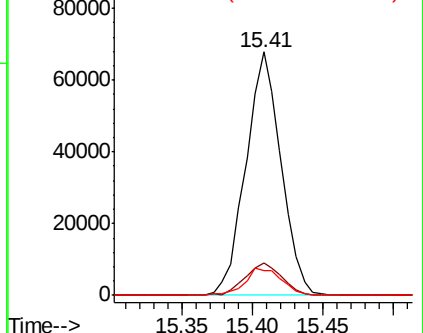
129 11.4 8.9 13.3



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: 20.376 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

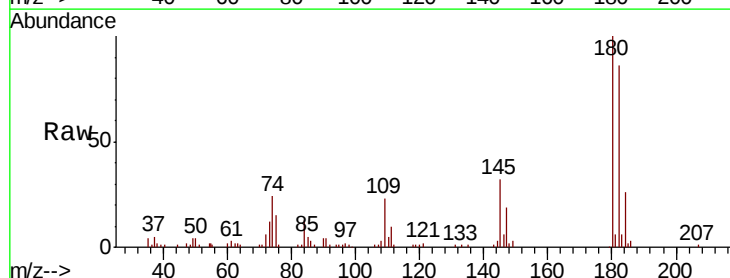
Tgt Ion:180 Resp: 68733

Ion Ratio Lower Upper

180 100

182 92.3 46.9 140.8

145 33.7 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

