

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120120\
 Data File : VD067827.D
 Acq On : 01 Dec 2020 10:34
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Dec 02 03:47:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 03:45:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	220281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	320579	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	294172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	155494	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	12856	5.44	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	10.88%#
35) Dibromofluoromethane	7.91	113	11167	5.21	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	10.42%#
50) Toluene-d8	10.34	98	38321	4.96	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	9.92%#
62) 4-Bromofluorobenzene	12.64	95	13437	5.03	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	10.06%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	9922	5.176	ug/l 96
3) Chloromethane	2.21	50	5740	5.188	ug/l 92
4) Vinyl Chloride	2.35	62	7727	5.546	ug/l # 88
5) Bromomethane	2.77	94	7588	6.100	ug/l 99
6) Chloroethane	2.93	64	4717	5.199	ug/l # 83
7) Trichlorofluoromethane	3.27	101	24285	5.696	ug/l 88
8) Diethyl Ether	3.71	74	4600	5.535	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	4.10	101	10336	5.316	ug/l 93
10) Methyl Iodide	4.30	142	9292	4.509	ug/l # 91
11) Tert butyl alcohol	5.21	59	8959	48.945	ug/l # 74
12) 1,1-Dichloroethene	4.08	96	9739	5.335	ug/l 83
13) Acrolein	3.91	56	1028	12.534	ug/l # 58
14) Allyl chloride	4.72	41	8284	4.906	ug/l 97
15) Acrylonitrile	5.44	53	7733	26.836	ug/l # 89
16) Acetone	4.16	43	8050	27.847	ug/l 100
17) Carbon Disulfide	4.40	76	28083	5.510	ug/l 96
18) Methyl Acetate	4.72	43	4115	6.923	ug/l # 86
19) Methyl tert-butyl Ether	5.49	73	18844	4.821	ug/l 100
20) Methylene Chloride	4.97	84	15322	6.903	ug/l 95
21) trans-1,2-Dichloroethene	5.46	96	11282	5.432	ug/l # 80
22) Diisopropyl ether	6.36	45	17396	5.122	ug/l 93
23) Vinyl Acetate	6.31	43	39246	20.771	ug/l # 85
24) 1,1-Dichloroethane	6.26	63	15908	5.343	ug/l # 88
25) 2-Butanone	7.22	43	7820	25.443	ug/l 99
26) 2,2-Dichloropropane	7.20	77	19174	5.401	ug/l 96
27) cis-1,2-Dichloroethene	7.21	96	12023	5.292	ug/l 95
28) Bromochloromethane	7.56	49	4899	5.183	ug/l 93
29) Tetrahydrofuran	7.56	42	2563	15.930	ug/l # 35
30) Chloroform	7.71	83	21757	5.468	ug/l 98
31) Cyclohexane	7.99	56	15654	6.283	ug/l # 86
32) 1,1,1-Trichloroethane	7.90	97	23397	5.571	ug/l 97
36) 1,1-Dichloropropene	8.11	75	14175	5.108	ug/l 99
37) Ethyl Acetate	7.28	43	1649	2.545	ug/l # 71
38) Carbon Tetrachloride	8.10	117	22604	5.383	ug/l 89

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 Data File : VD067827.D
 Acq On : 01 Dec 2020 10:34
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Dec 02 03:47:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 03:45:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	16453	5.003	ug/l	97
40) Benzene	8.36	78	39871	5.250	ug/l	94
41) Methacrylonitrile	7.53	41	2968	8.161	ug/l #	35
42) 1,2-Dichloroethane	8.43	62	13770	5.088	ug/l	97
43) Isopropyl Acetate	8.46	43	7495	5.093	ug/l #	58
44) Trichloroethene	9.11	130	13796	5.284	ug/l	91
45) 1,2-Dichloropropane	9.39	63	8364	5.366	ug/l	91
46) Dibromomethane	9.47	93	5446	5.026	ug/l	92
47) Bromodichloromethane	9.67	83	16626	5.382	ug/l #	96
48) Methyl methacrylate	9.46	41	3815	5.105	ug/l	91
49) 1,4-Dioxane	9.47	88	1488	120.171	ug/l #	57
51) 4-Methyl-2-Pentanone	10.23	43	17167	24.646	ug/l	97
52) Toluene	10.41	92	27372	5.156	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	13630	5.112	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	14325	4.939	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	8593	5.794	ug/l #	88
56) Ethyl methacrylate	10.66	69	7651	5.071	ug/l #	68
57) 1,3-Dichloropropane	10.95	76	12696	5.405	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	17409	25.356	ug/l	94
59) 2-Hexanone	10.98	43	11903	24.241	ug/l	98
60) Dibromochloromethane	11.14	129	11377	5.089	ug/l	89
61) 1,2-Dibromoethane	11.24	107	8070	5.534	ug/l	97
64) Tetrachloroethene	10.88	164	14015	5.841	ug/l	89
65) Chlorobenzene	11.67	112	32723	5.391	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	13138	5.307	ug/l	96
67) Ethyl Benzene	11.75	91	52380	5.066	ug/l	96
68) m/p-Xylenes	11.86	106	40834	10.015	ug/l	95
69) o-Xylene	12.18	106	17575	4.856	ug/l	98
70) Styrene	12.20	104	31089	4.939	ug/l	97
71) Bromoform	12.36	173	6674	5.093	ug/l #	88
73) Isopropylbenzene	12.48	105	52204	4.882	ug/l	99
74) N-amyl acetate	12.29	43	6280	4.748	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	7787	5.516	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	11226	9.708	ug/l #	18
77) Bromobenzene	12.76	156	13072	4.917	ug/l	94
78) n-propylbenzene	12.83	91	56921	4.803	ug/l	97
79) 2-Chlorotoluene	12.91	91	34176	4.902	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	41994	4.536	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	2377	5.021	ug/l	91
82) 4-Chlorotoluene	13.01	91	35618	4.789	ug/l	97
83) tert-Butylbenzene	13.23	119	37736	4.790	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	43083	4.680	ug/l	99
85) sec-Butylbenzene	13.40	105	51508	4.898	ug/l	99
86) p-Isopropyltoluene	13.52	119	49478	4.801	ug/l	97
87) 1,3-Dichlorobenzene	13.52	146	27381	5.339	ug/l	94
88) 1,4-Dichlorobenzene	13.60	146	28354	5.527	ug/l	95
89) n-Butylbenzene	13.84	91	41468	4.843	ug/l	99
90) Hexachloroethane	14.11	117	9475	4.980	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	23660	5.320	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.50	75	1484	5.037	ug/l #	22

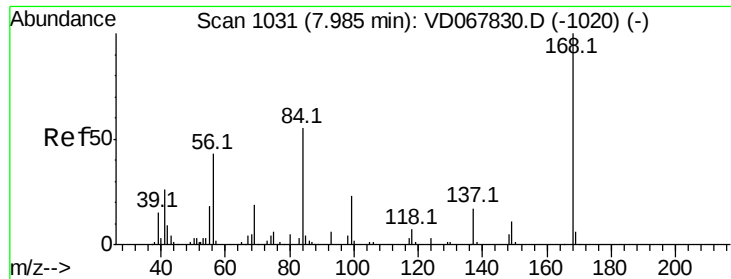
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120120\
Data File : VD067827.D
Acq On : 01 Dec 2020 10:34
Operator : VA/SY
Sample : VSTDICC005
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: Dec 02 03:47:45 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 02 03:45:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	14933	4.800	ug/l	96
94) Hexachlorobutadiene	15.27	225	9988	4.920	ug/l	98
95) Naphthalene	15.41	128	23835	4.708	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	13330	4.961	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

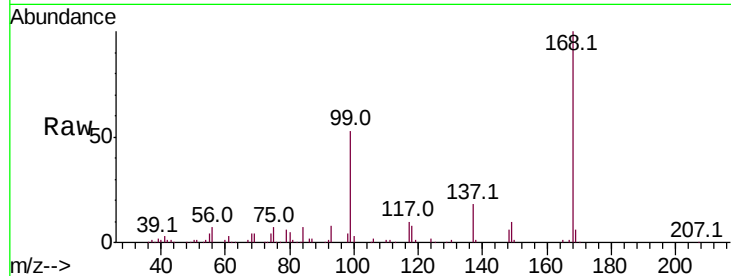
VSTDIC005

Tot Ion:168 Resp: 220281

Ion Ratio Lower Upper

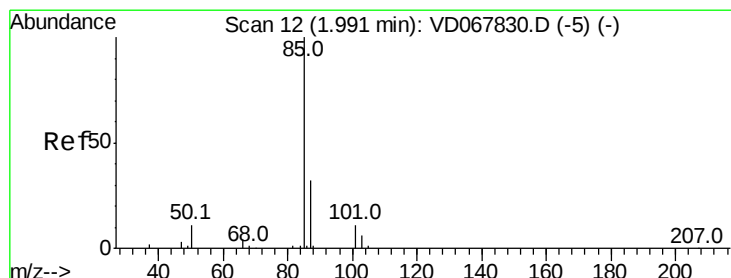
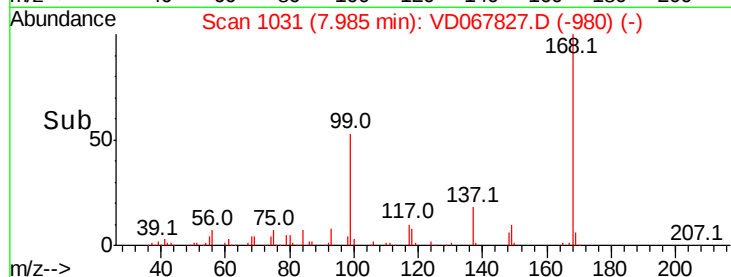
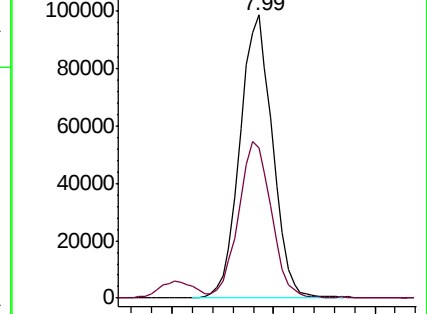
168 100

99 52.5 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 5.176 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067827.D

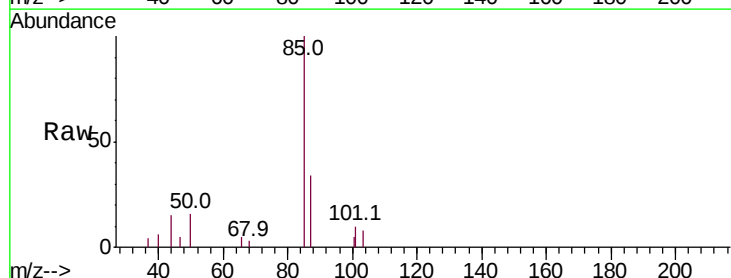
Acq: 01 Dec 2020 10:34

Tgt Ion: 85 Resp: 9922

Ion Ratio Lower Upper

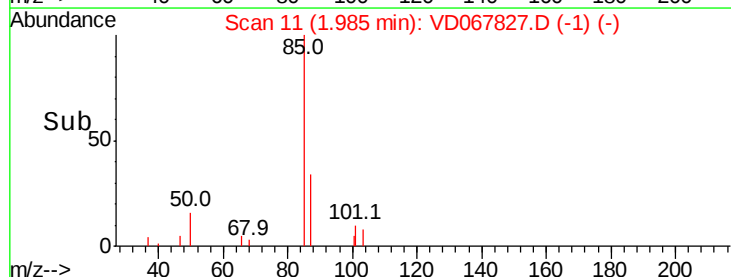
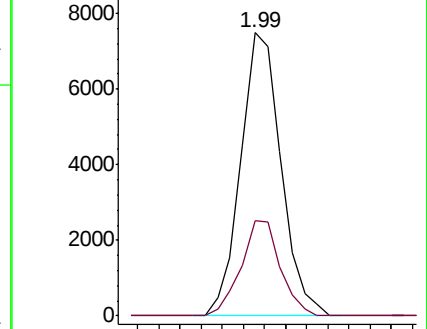
85 100

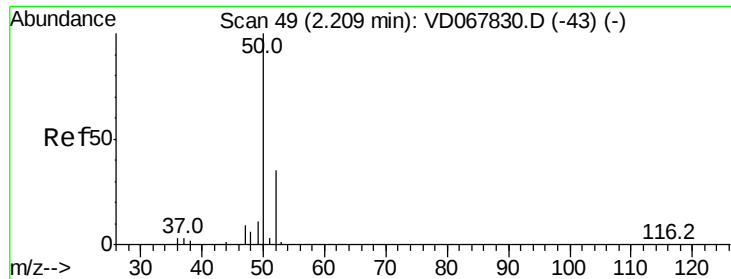
87 33.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 5.188 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

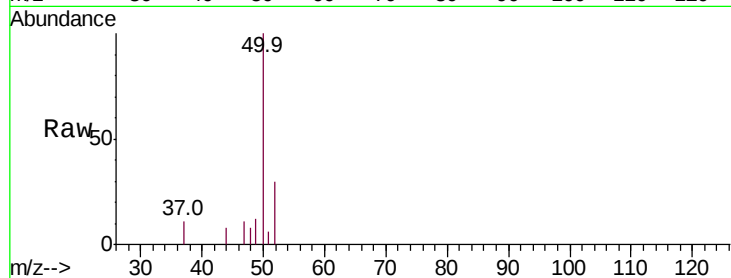
VSTDIC005

Tot Ion: 50 Resp: 5740

Ion Ratio Lower Upper

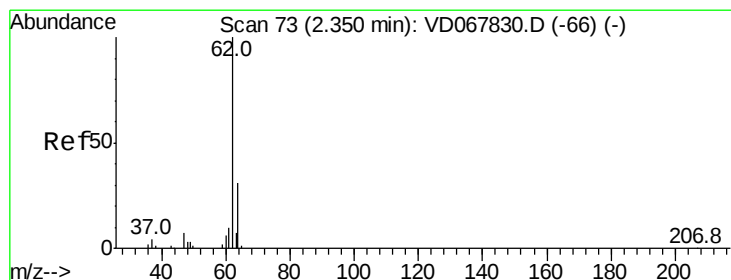
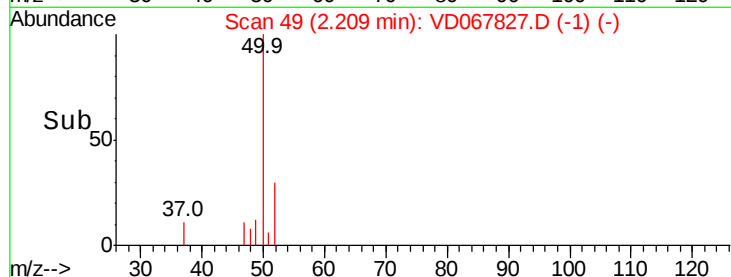
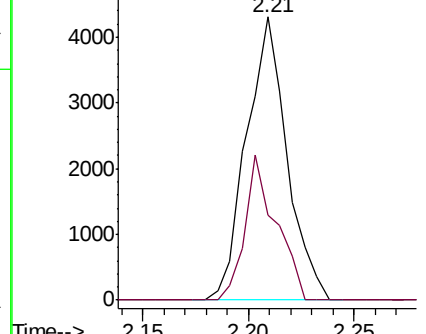
50 100

52 30.2 27.8 41.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 5.546 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067827.D

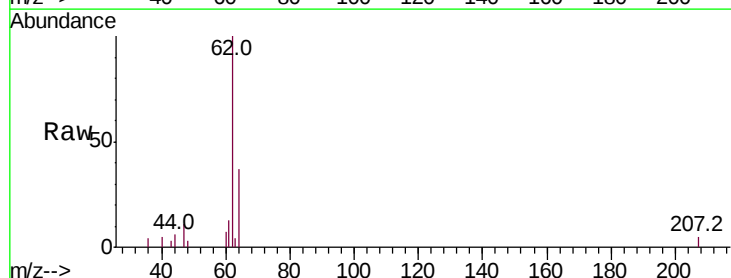
Acq: 01 Dec 2020 10:34

Tgt Ion: 62 Resp: 7727

Ion Ratio Lower Upper

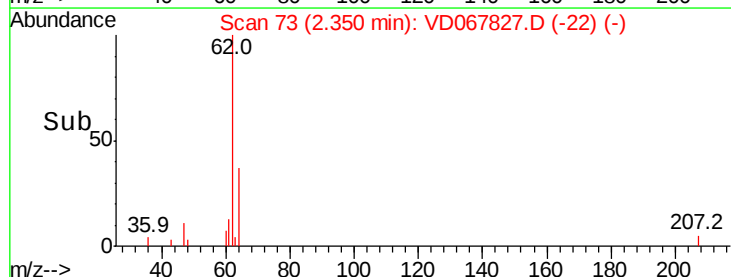
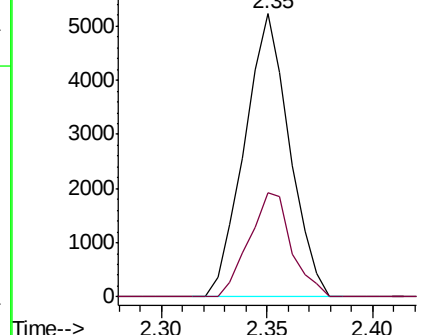
62 100

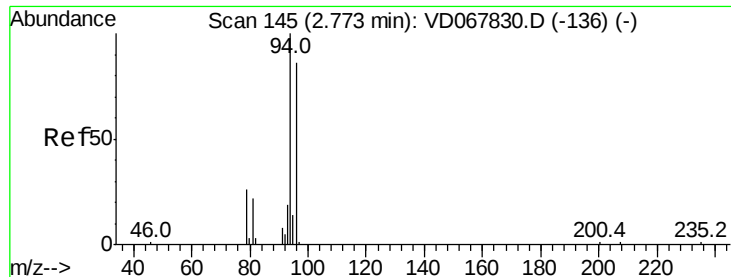
64 37.0 24.5 36.7#



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 6.100 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

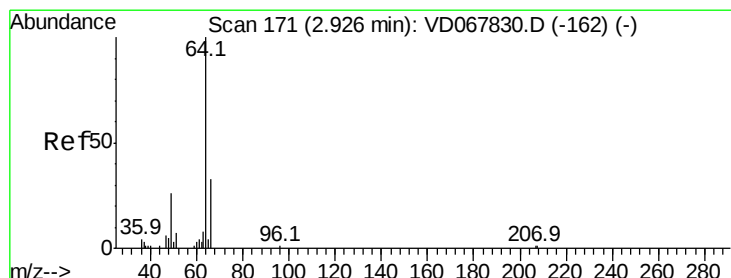
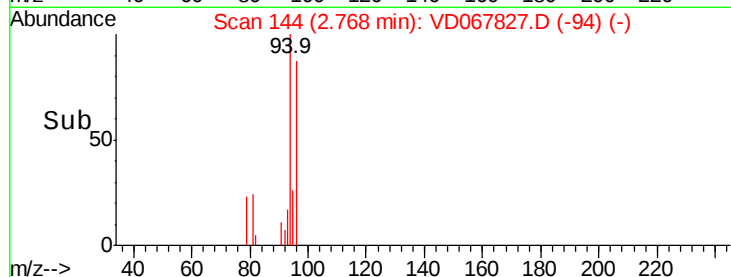
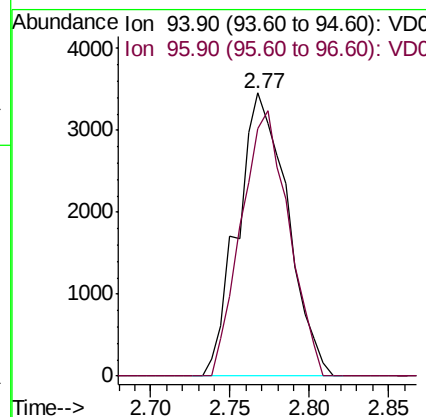
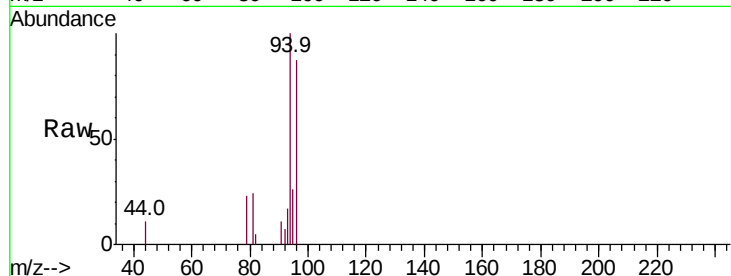
VSTDIC005

Tot Ion: 94 Resp: 7588

Ion Ratio Lower Upper

94 100

96 87.2 68.7 103.1



#6

Chloroethane

Concen: 5.199 ug/l

RT: 2.93 min Scan# 172

Delta R.T. 0.01 min

Lab File: VD067827.D

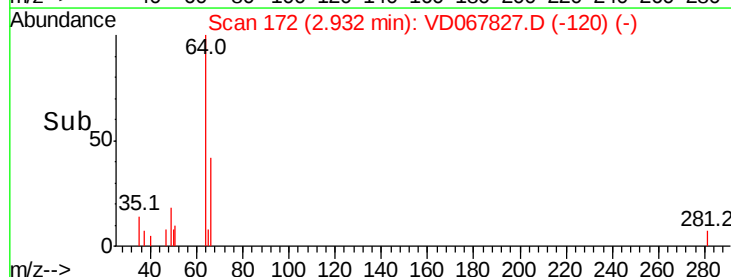
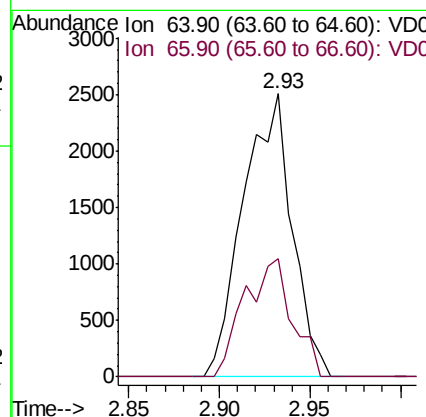
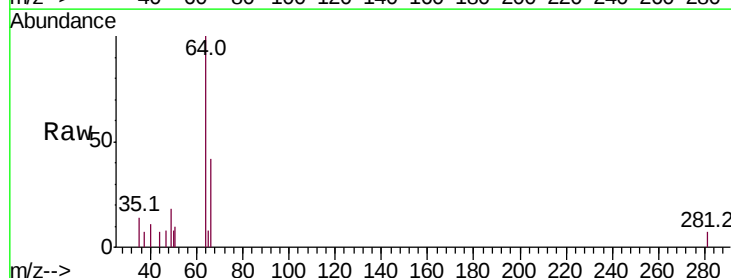
Acq: 01 Dec 2020 10:34

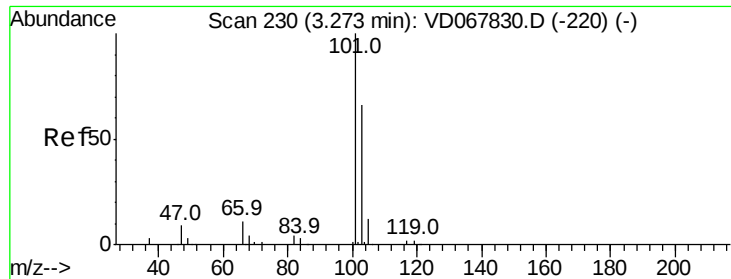
Tgt Ion: 64 Resp: 4717

Ion Ratio Lower Upper

64 100

66 42.0 26.1 39.1#



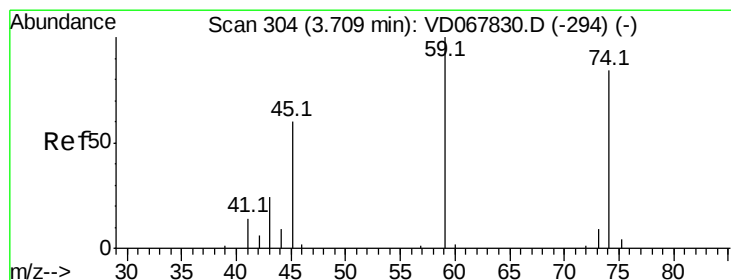
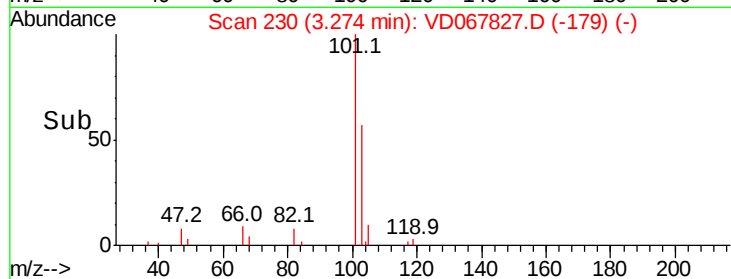
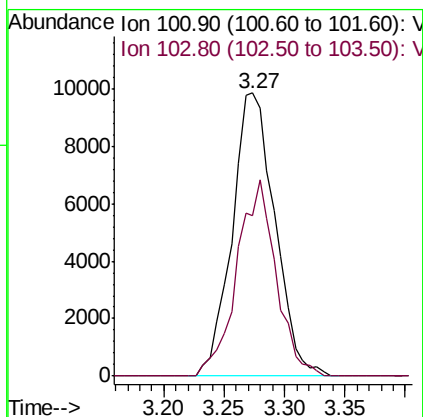
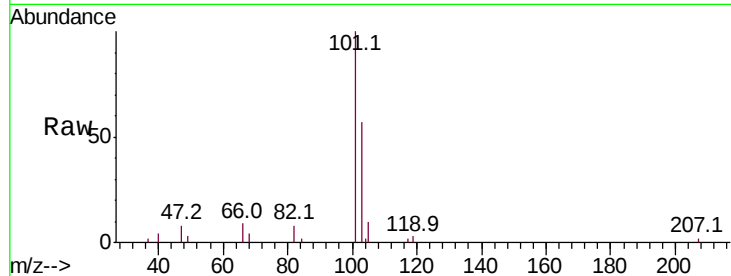


#7

Trichlorofluoromethane
 Concen: 5.696 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067827.D
 Acq: 01 Dec 2020 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

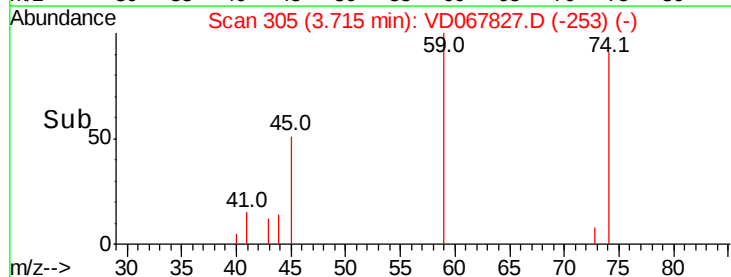
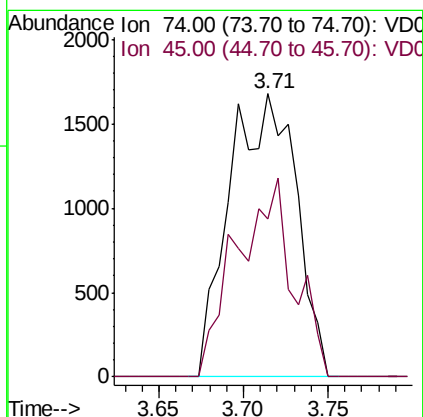
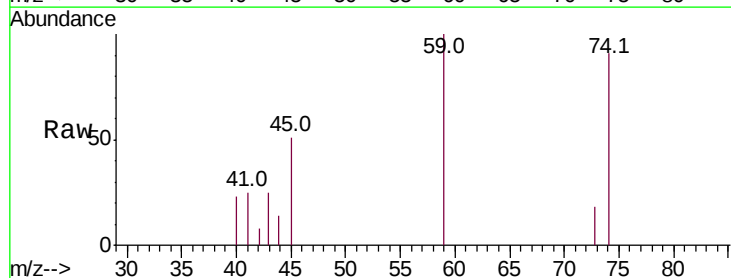
Tot Ion:101 Resp: 24285
 Ion Ratio Lower Upper
 101 100
 103 56.5 53.0 79.6

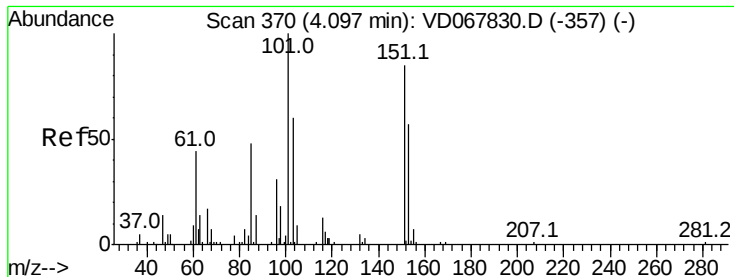


#8

Diethyl Ether
 Concen: 5.535 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VD067827.D
 Acq: 01 Dec 2020 10:34

Tgt Ion: 74 Resp: 4600
 Ion Ratio Lower Upper
 74 100
 45 60.3 33.9 101.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.316 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

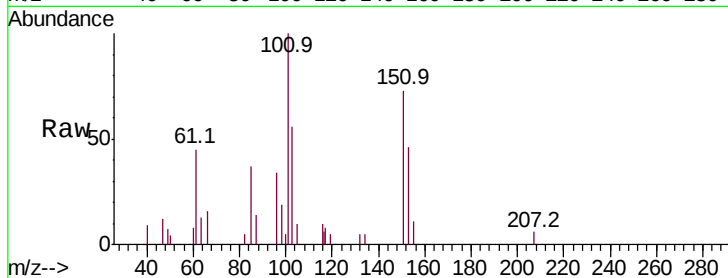
Tot Ion:101 Resp: 10336

Ion Ratio Lower Upper

101 100

85 50.8 36.2 54.4

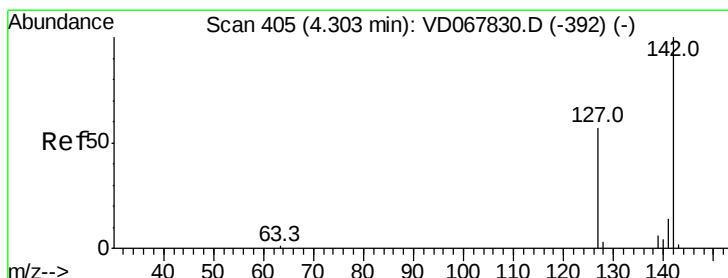
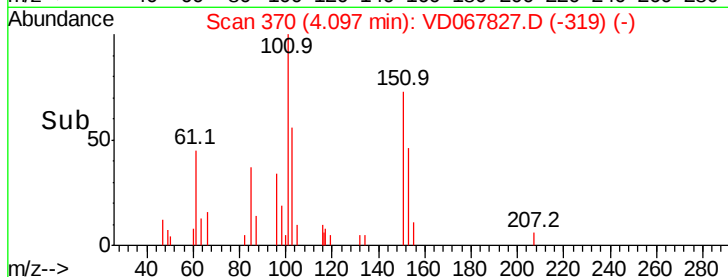
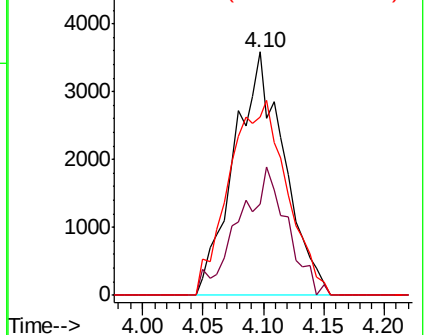
151 92.4 69.4 104.2



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: 4.509 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

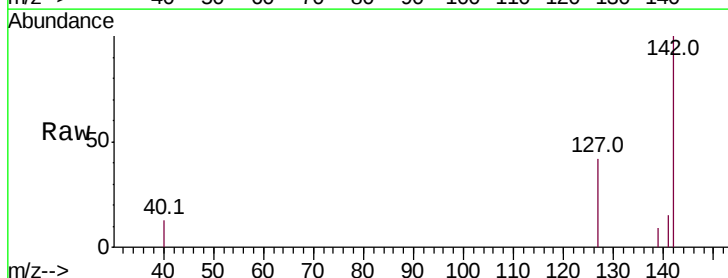
Tgt Ion:142 Resp: 9292

Ion Ratio Lower Upper

142 100

127 48.7 43.9 65.9

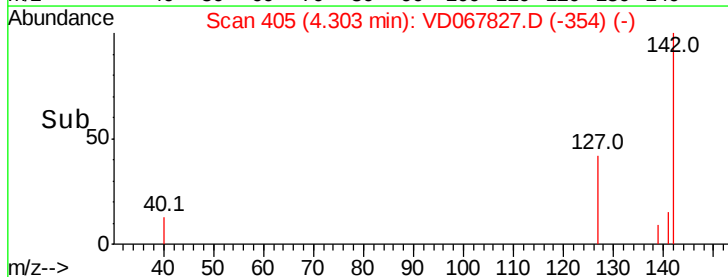
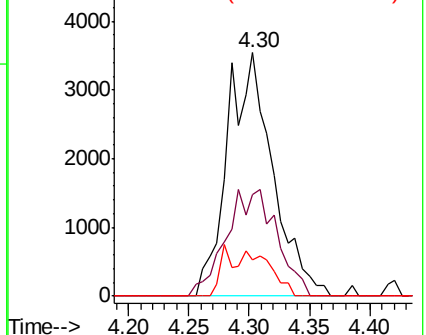
141 11.5 12.2 18.2#

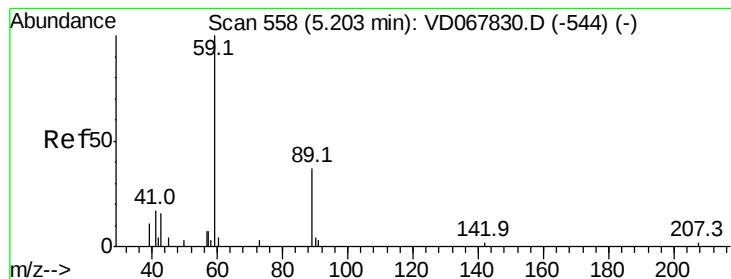


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



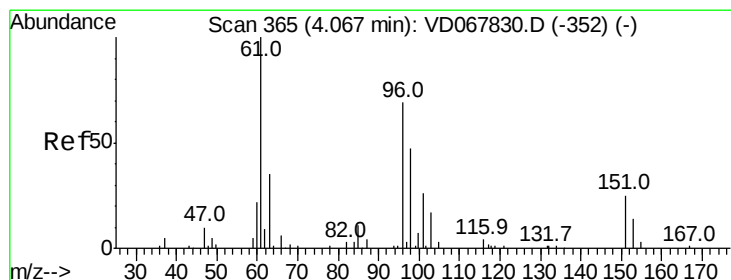
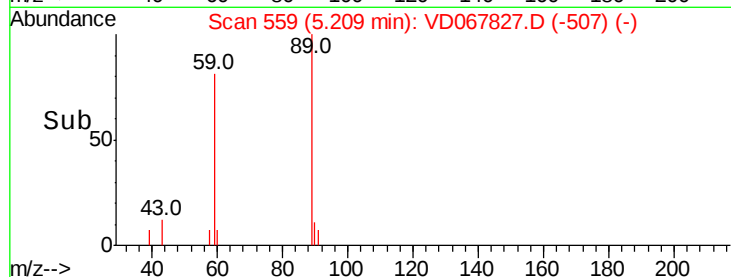
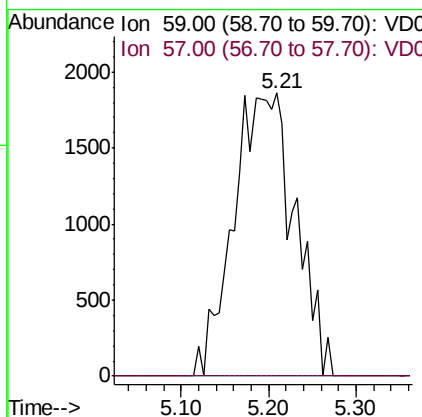
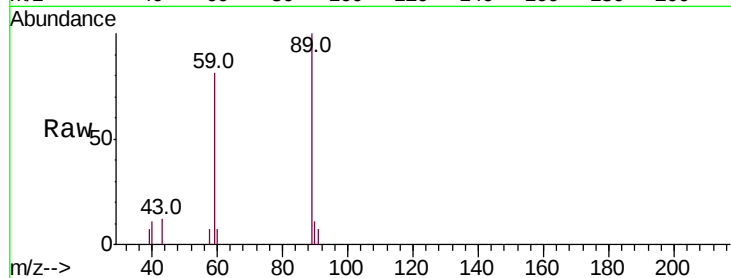


#11

Tert butyl alcohol
 Concen: 48.945 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. 0.01 min
 Lab File: VD067827.D
 Acq: 01 Dec 2020 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

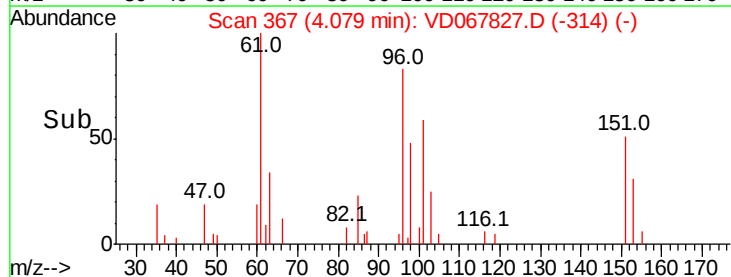
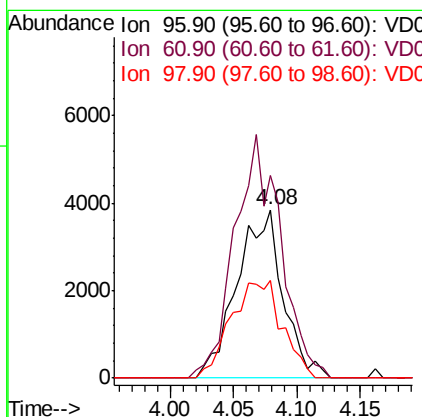
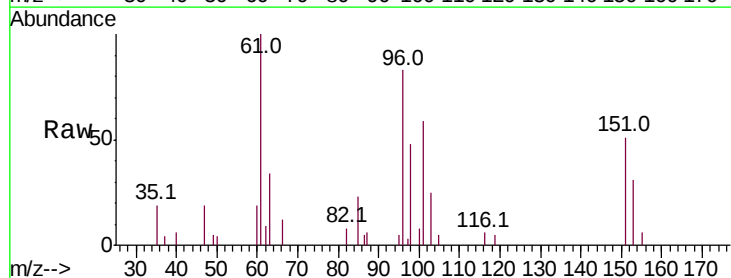
Tot Ion: 59 Resp: 8959
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

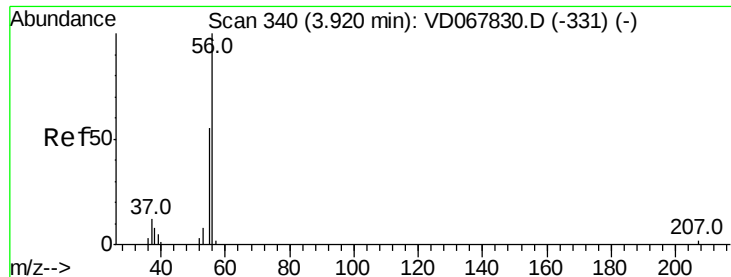


#12

1,1-Dichloroethene
 Concen: 5.335 ug/l
 RT: 4.08 min Scan# 367
 Delta R.T. 0.01 min
 Lab File: VD067827.D
 Acq: 01 Dec 2020 10:34

Tgt Ion: 96 Resp: 9739
 Ion Ratio Lower Upper
 96 100
 61 120.4 116.1 174.1
 98 58.3 54.6 82.0





#13

Acrolein

Concen: 12.534 ug/l

RT: 3.91 min Scan# 338

Delta R.T. -0.01 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

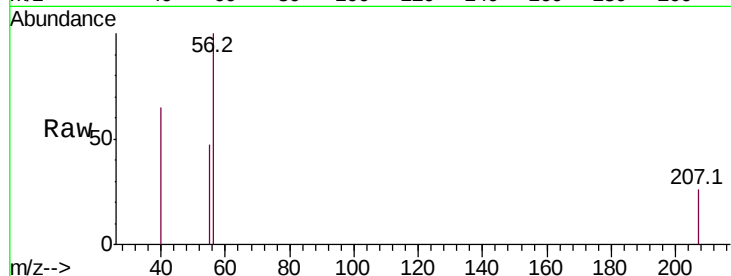
VSTDIC005

Tot Ion: 56 Resp: 1028

Ion Ratio Lower Upper

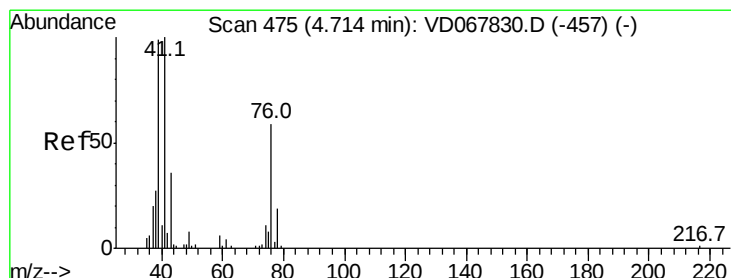
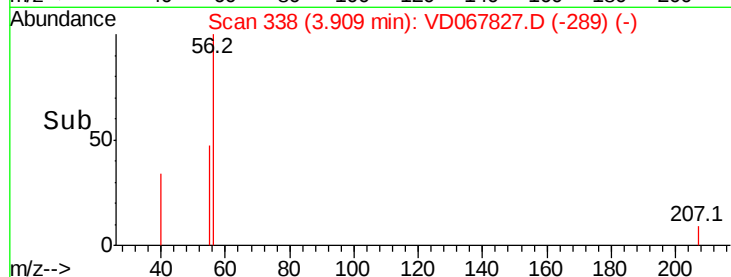
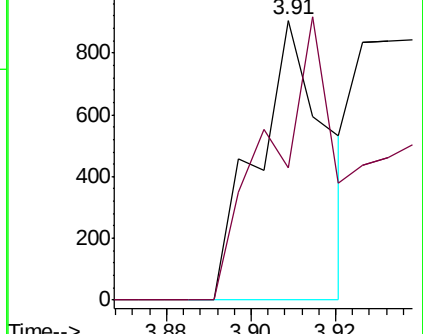
56 100

55 105.2 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 4.906 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

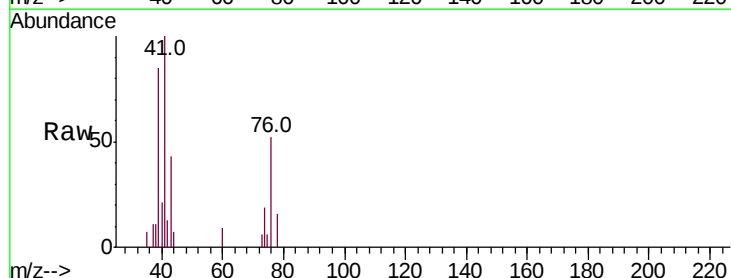
Tgt Ion: 41 Resp: 8284

Ion Ratio Lower Upper

41 100

39 101.6 79.0 118.6

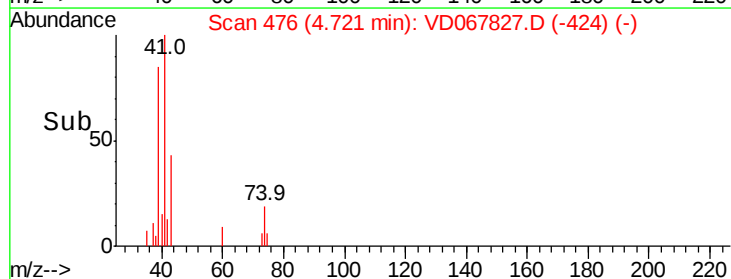
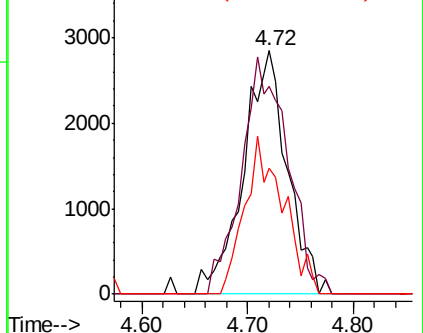
76 56.3 46.6 70.0

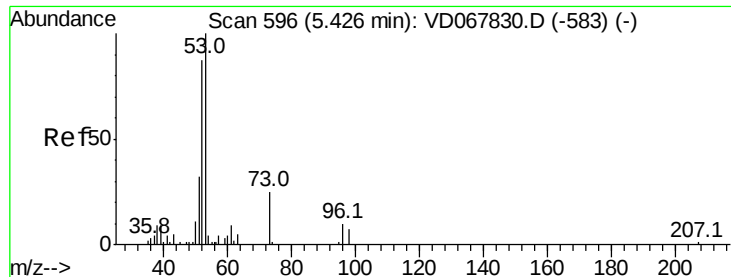


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 26.836 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

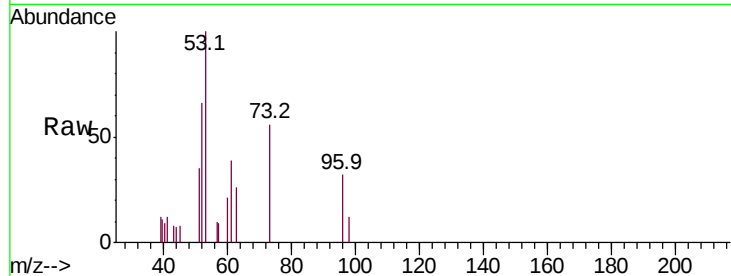
Tot Ion: 53 Resp: 7733

Ion Ratio Lower Upper

53 100

52 75.1 66.2 99.2

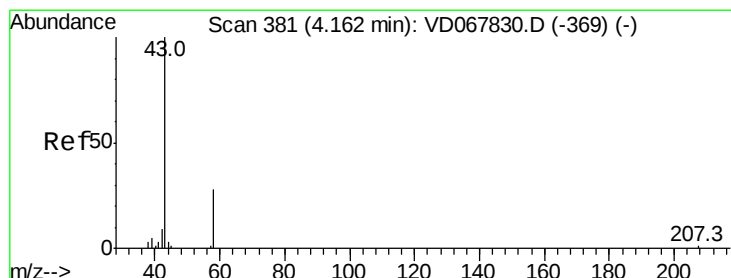
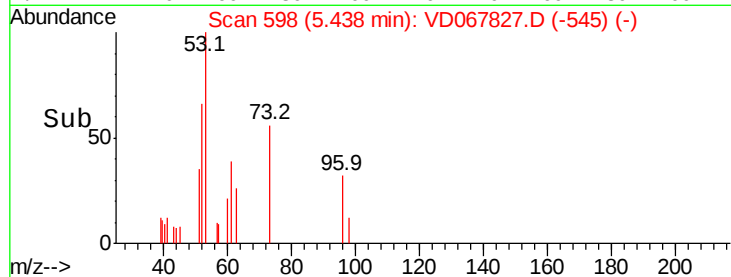
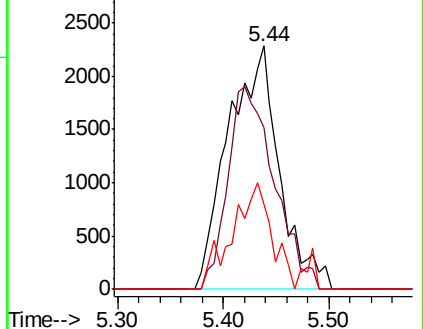
51 29.6 31.1 46.7#



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: 27.847 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067827.D

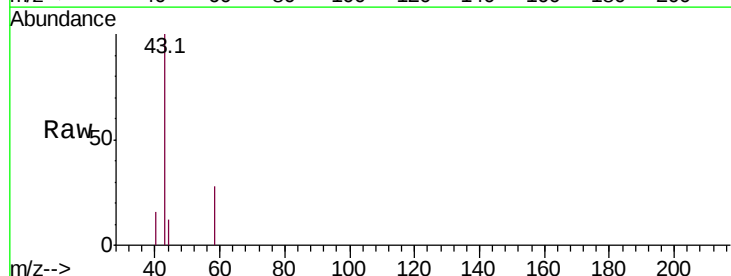
Acq: 01 Dec 2020 10:34

Tgt Ion: 43 Resp: 8050

Ion Ratio Lower Upper

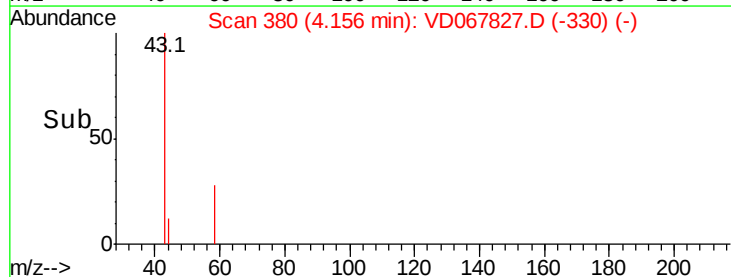
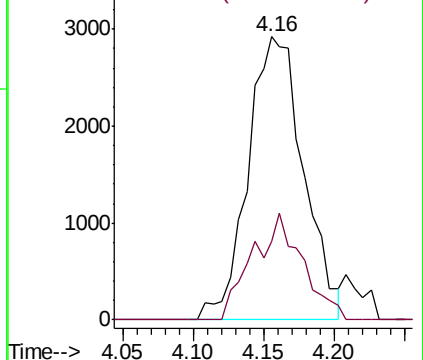
43 100

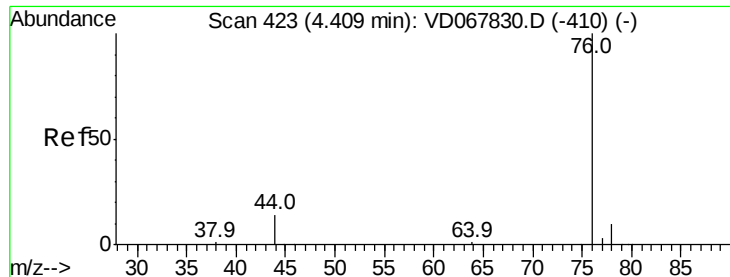
58 27.6 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

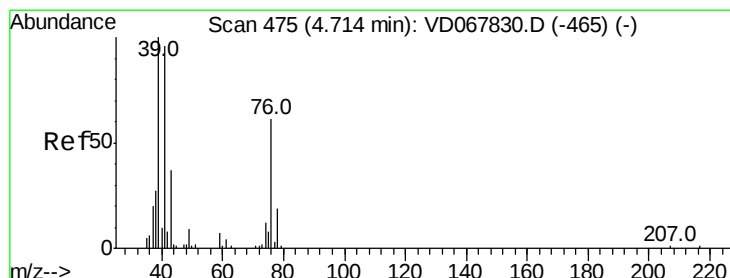
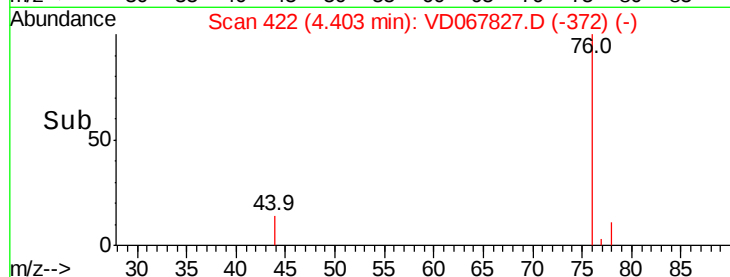
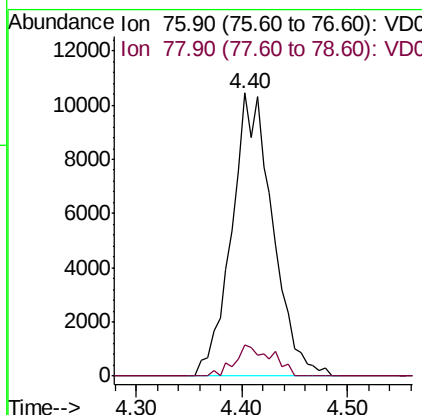
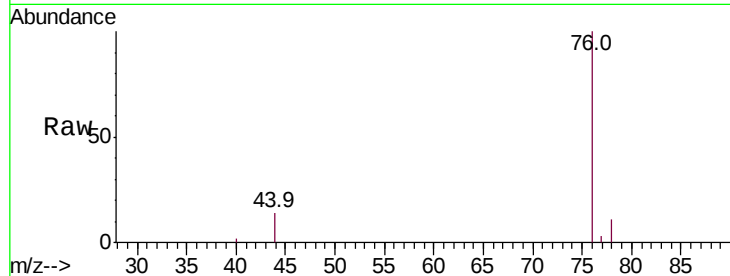




#17
Carbon Disulfide
Concen: 5.510 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

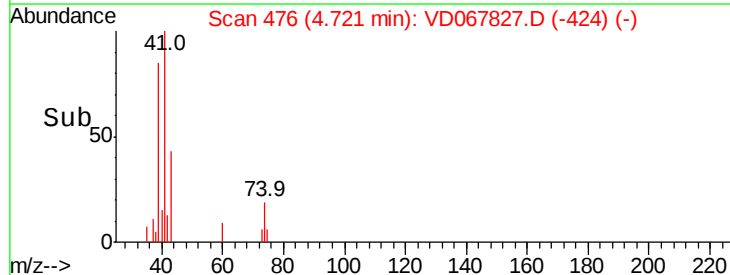
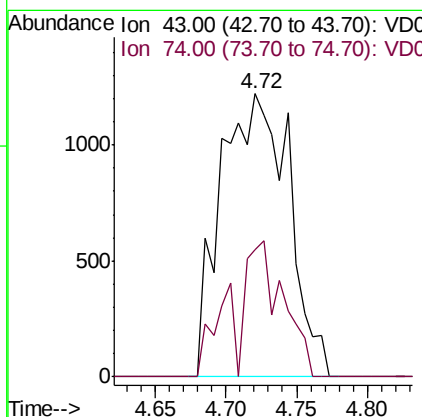
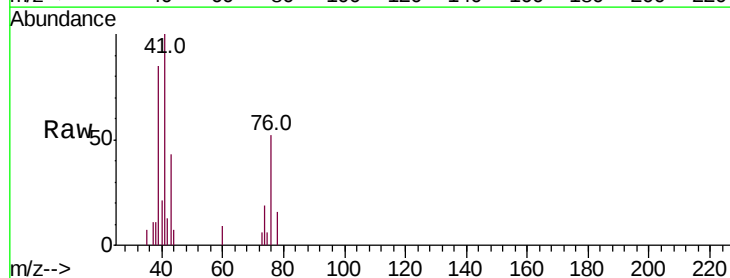
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

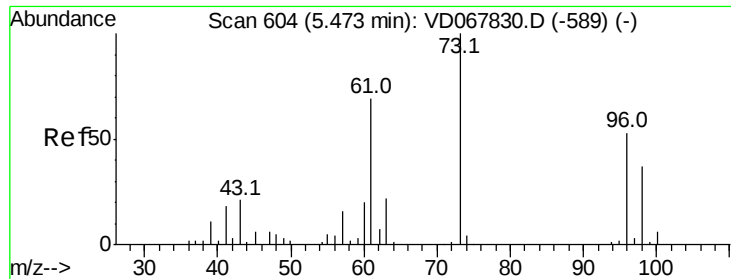
Tot Ion: 76 Resp: 28083
Ion Ratio Lower Upper
76 100
78 11.2 7.8 11.6



#18
Methyl Acetate
Concen: 6.923 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Tgt Ion: 43 Resp: 4115
Ion Ratio Lower Upper
43 100
74 25.8 27.0 40.4#

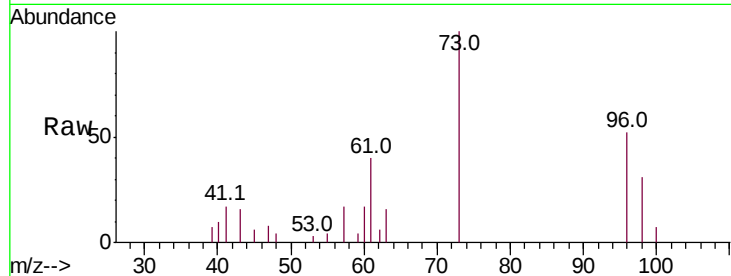




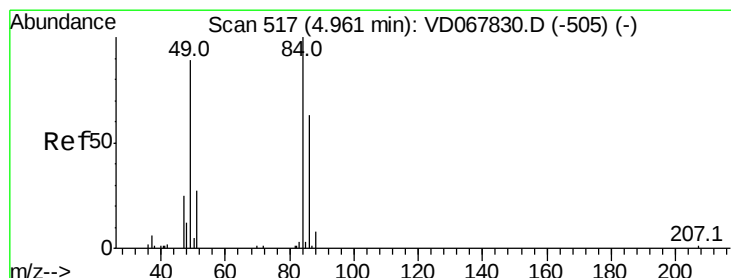
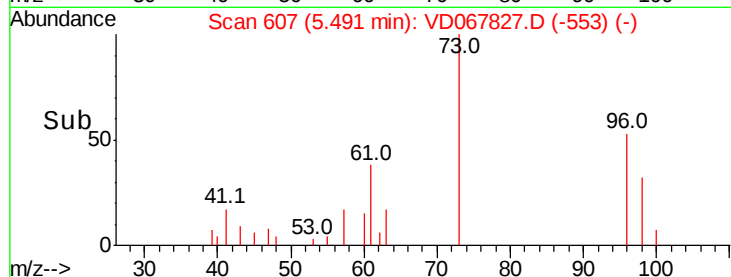
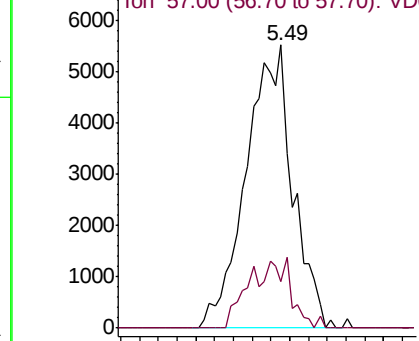
#19
Methvl tert-butvl Ether
Concen: 4.821 ug/l
RT: 5.49 min Scan# 607
Delta R.T. 0.02 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 18844
Ion Ratio Lower Upper
73 100
57 16.6 13.2 19.8

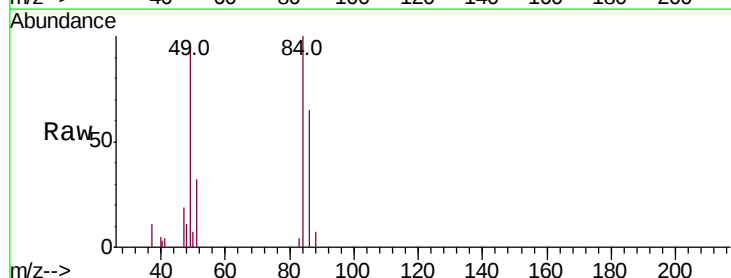


Abundance Ion 73.00 (72.70 to 73.70): VDC
Ion 57.00 (56.70 to 57.70): VDC

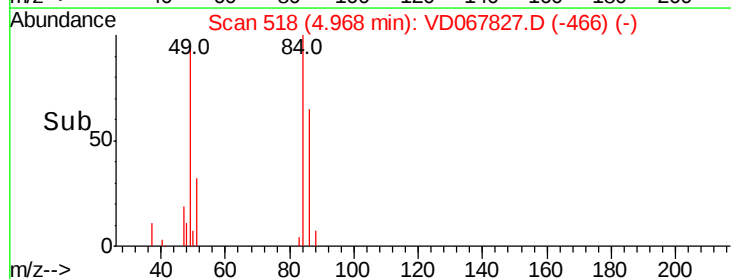
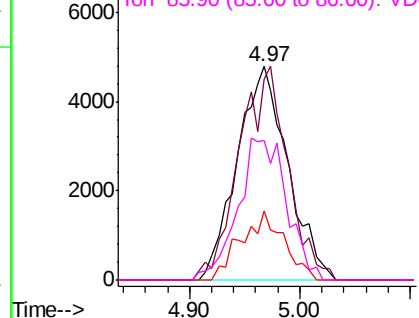


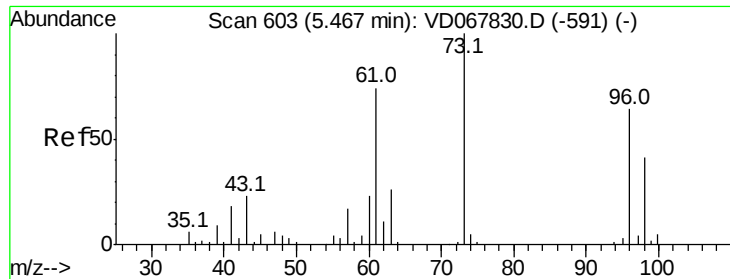
#20
Methylene Chloride
Concen: 6.903 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Tgt Ion: 84 Resp: 15322
Ion Ratio Lower Upper
84 100
49 94.4 71.4 107.0
51 32.3 21.8 32.8
86 65.2 50.6 75.8



Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 5.432 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

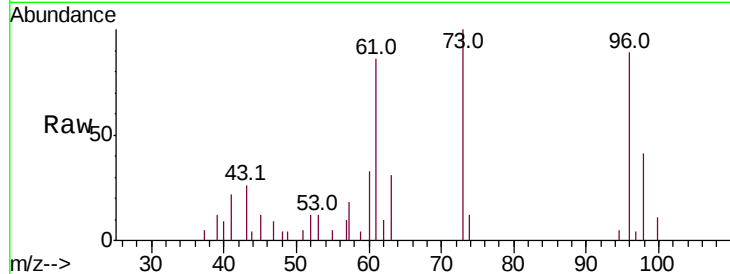
Tot Ion: 96 Resp: 11282

Ion Ratio Lower Upper

96 100

61 96.8 93.1 139.7

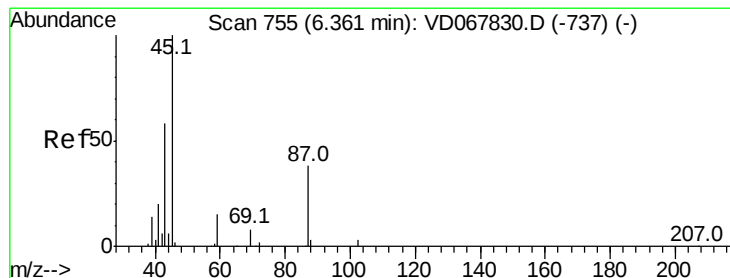
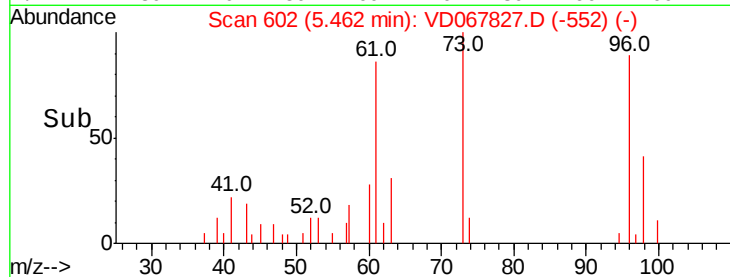
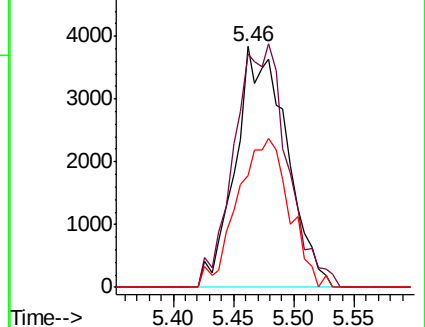
98 46.4 52.2 78.2#



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: 5.122 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Tgt Ion: 45 Resp: 17396

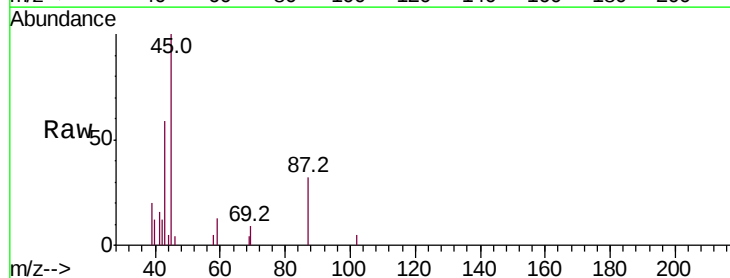
Ion Ratio Lower Upper

45 100

43 59.0 49.8 74.6

87 32.5 32.1 48.1

59 13.0 11.9 17.9

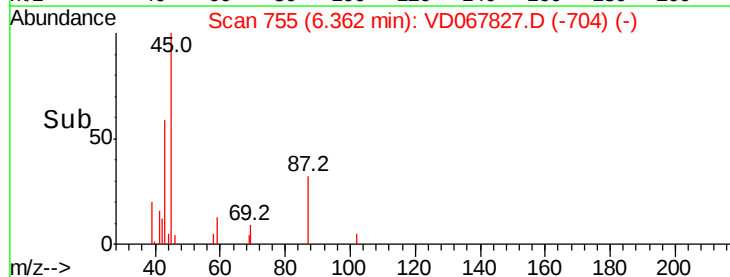
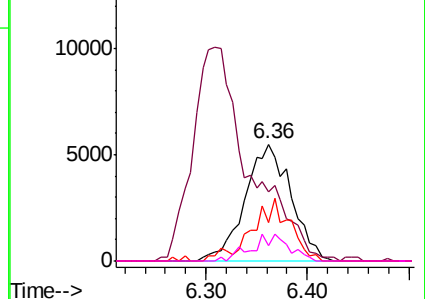


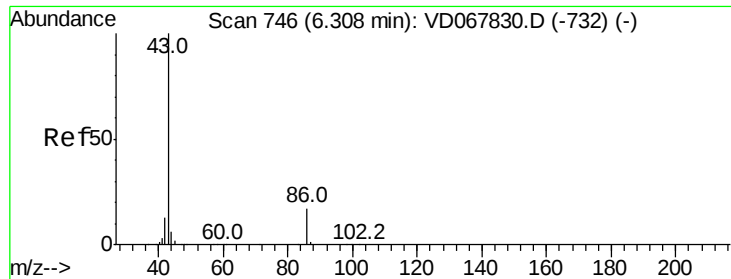
Abundance Ion 45.00 (44.70 to 45.70): VDC

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

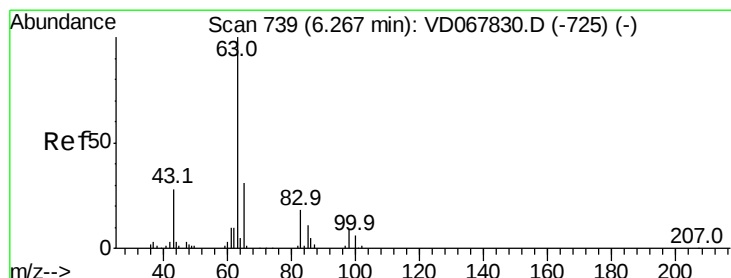
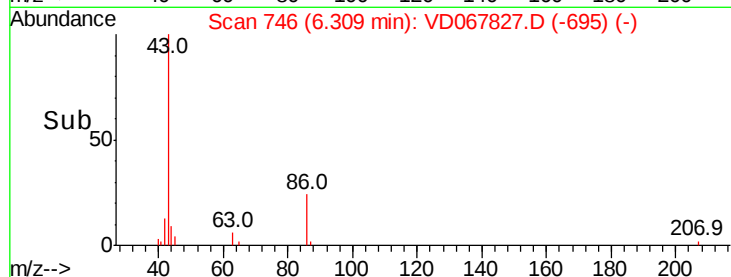
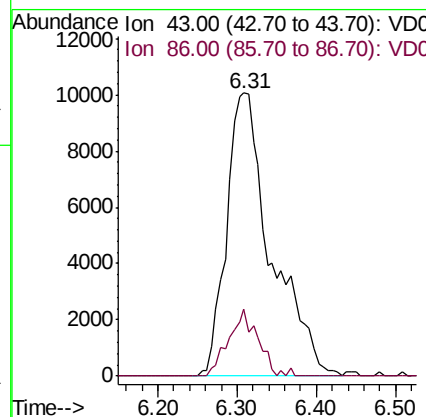
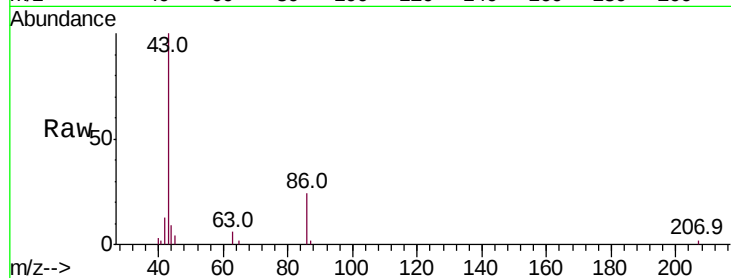




#23
 Vinyl Acetate
 Concen: 20.771 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VD067827.D
 Acq: 01 Dec 2020 10:34

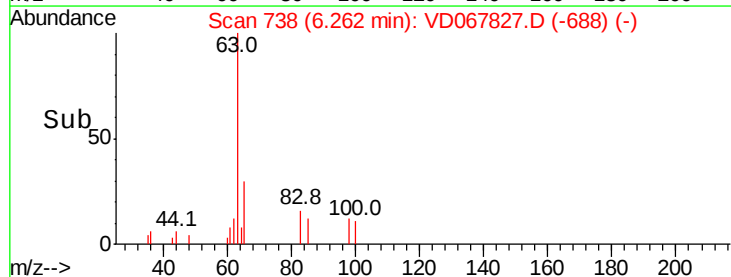
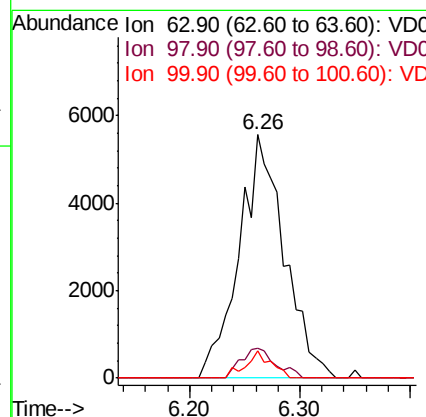
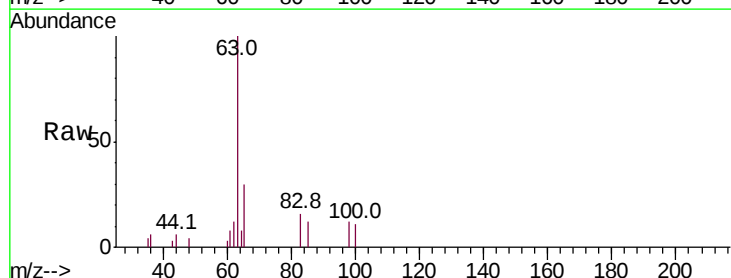
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

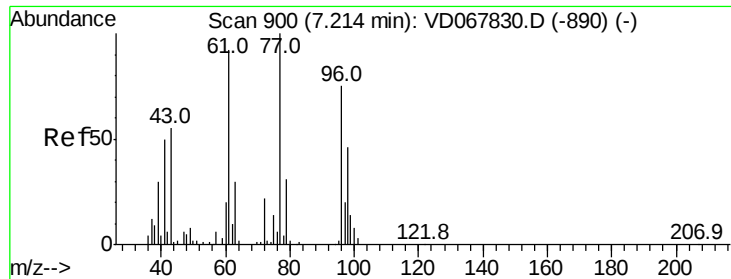
Tot Ion: 43 Resp: 39246
 Ion Ratio Lower Upper
 43 100
 86 23.8 13.8 20.6#



#24
 1,1-Dichloroethane
 Concen: 5.343 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD067827.D
 Acq: 01 Dec 2020 10:34

Tgt Ion: 63 Resp: 15908
 Ion Ratio Lower Upper
 63 100
 98 12.4 4.5 13.5
 100 11.3 3.0 9.2#

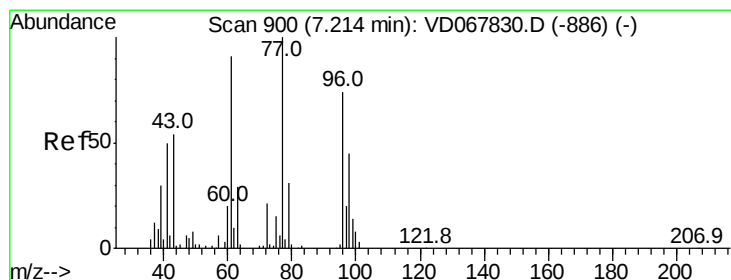
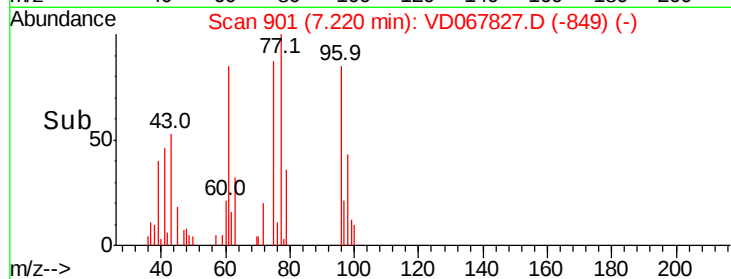
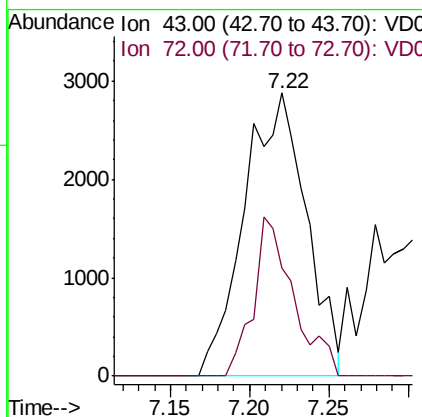
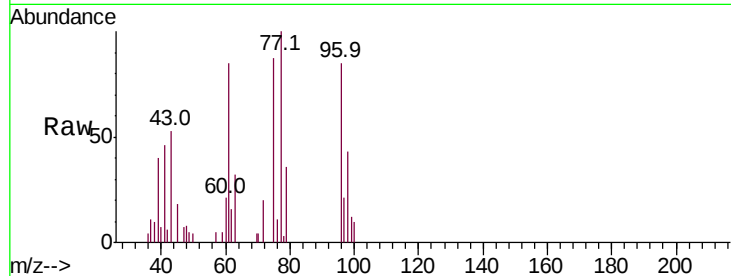




#25
2-Butanone
Concen: 25.443 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

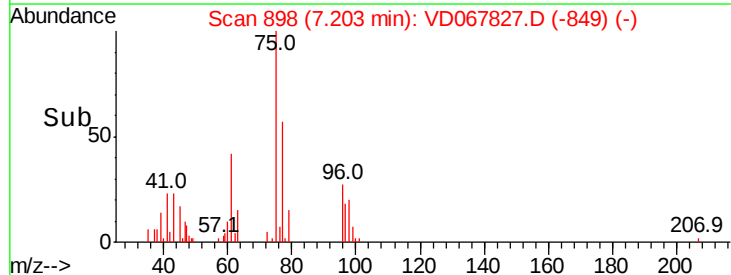
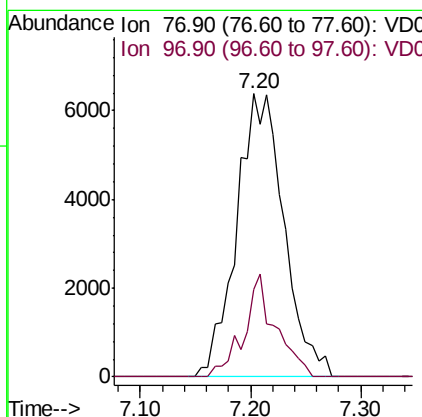
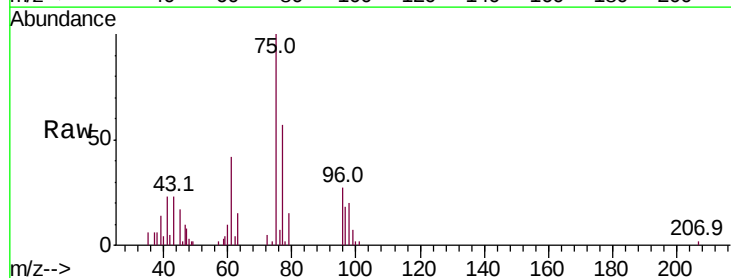
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

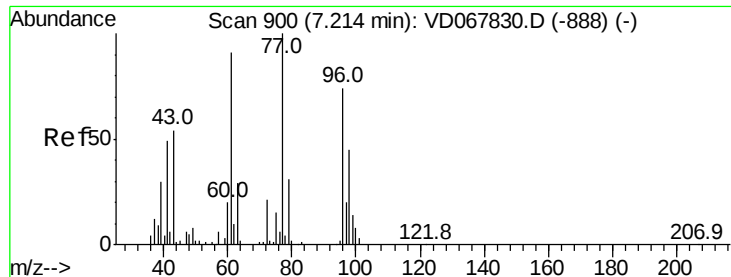
Tot Ion: 43 Resp: 7820
Ion Ratio Lower Upper
43 100
72 38.3 31.3 46.9



#26
2,2-Dichloropropane
Concen: 5.401 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Tgt Ion: 77 Resp: 19174
Ion Ratio Lower Upper
77 100
97 24.2 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 5.292 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

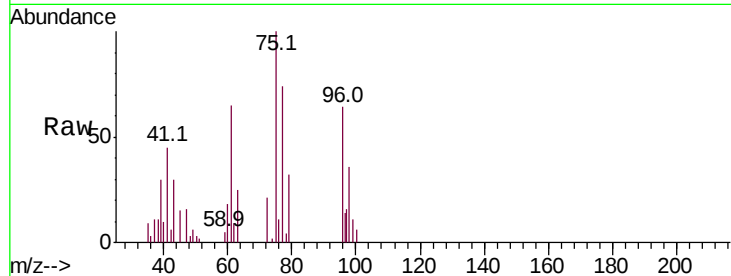
Tot Ion: 96 Resp: 12023

Ion Ratio Lower Upper

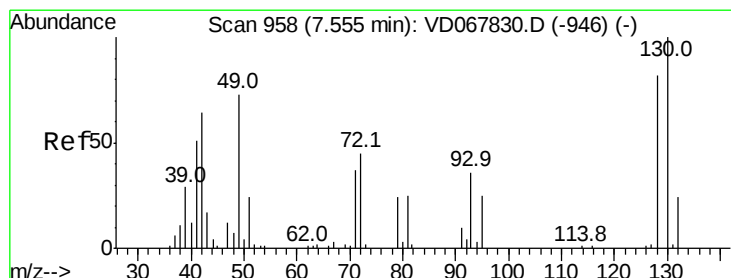
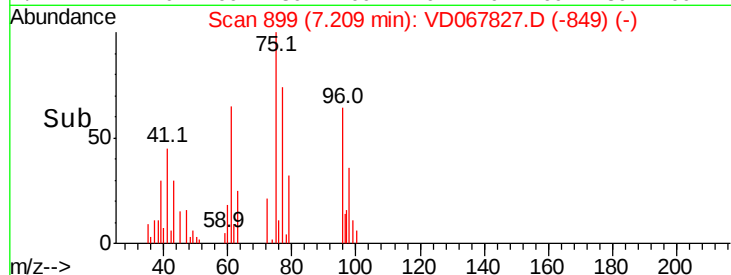
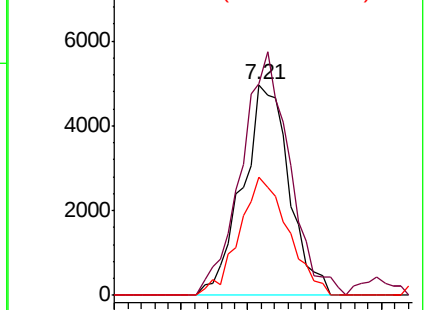
96 100

61 119.4 0.0 248.4

98 58.9 0.0 127.4



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: 5.183 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

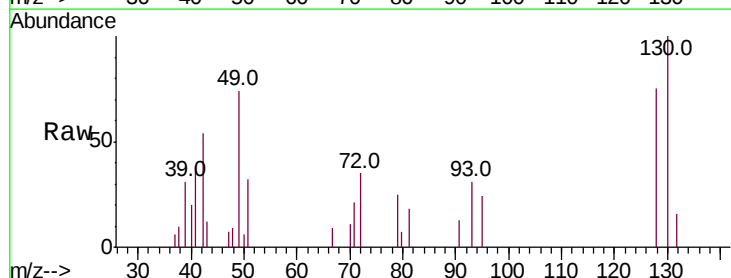
Tgt Ion: 49 Resp: 4899

Ion Ratio Lower Upper

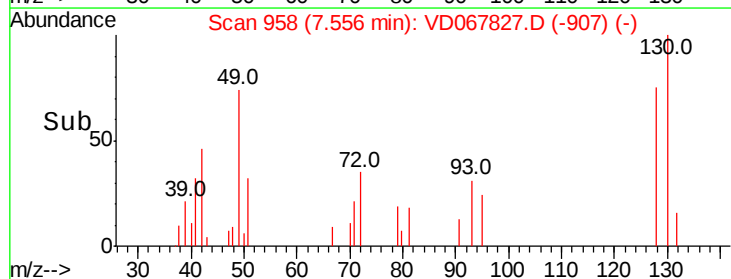
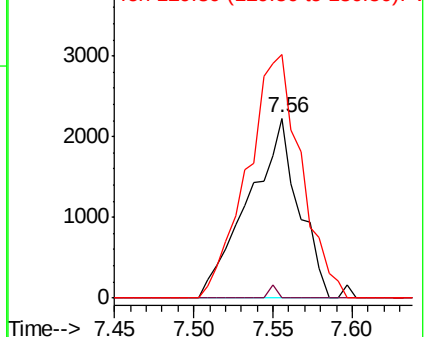
49 100

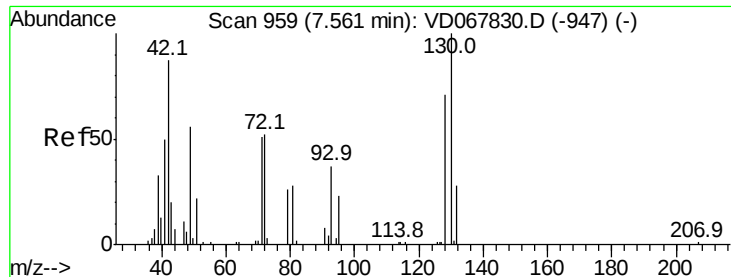
129 1.1 0.0 3.4

130 145.8 110.2 165.2



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

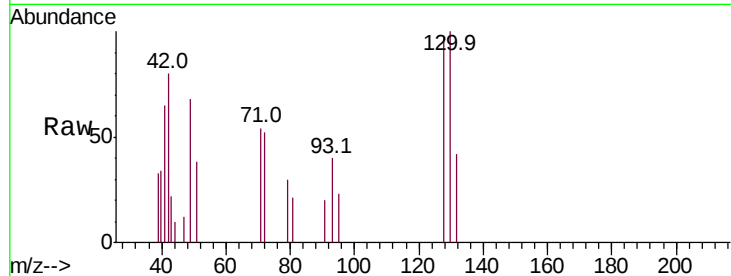




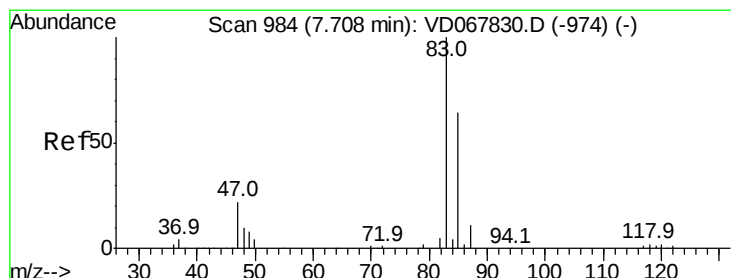
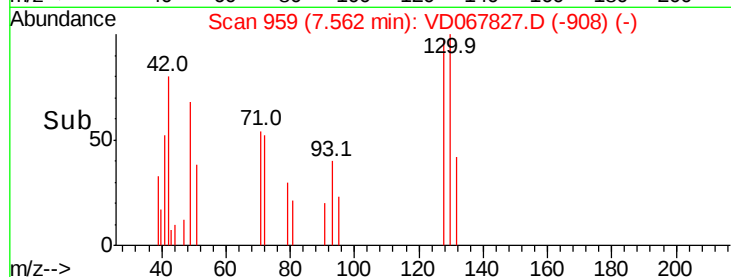
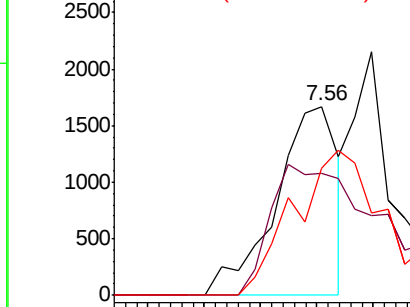
#29
Tetrahydrofuran
Concen: 15.930 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 42 Resp: 2563
Ion Ratio Lower Upper
42 100
72 117.9 51.9 77.9#
71 108.0 48.2 72.4#

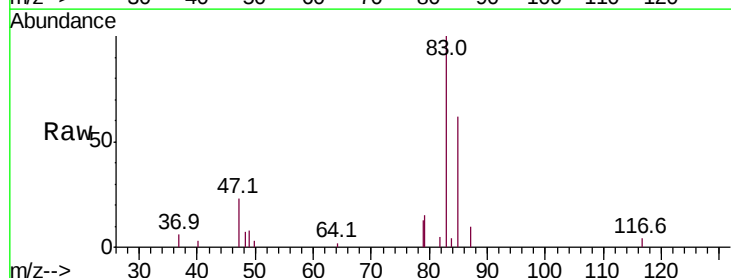


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

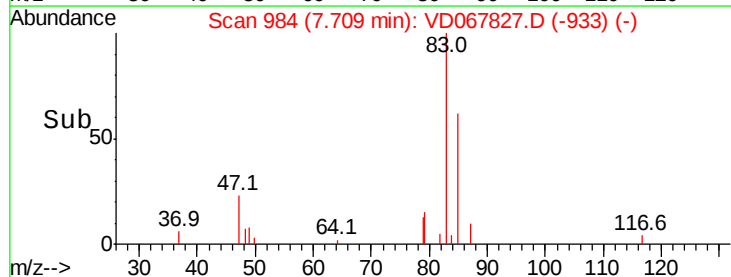
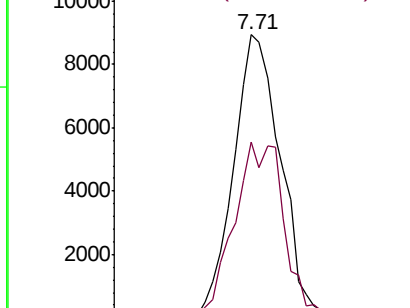


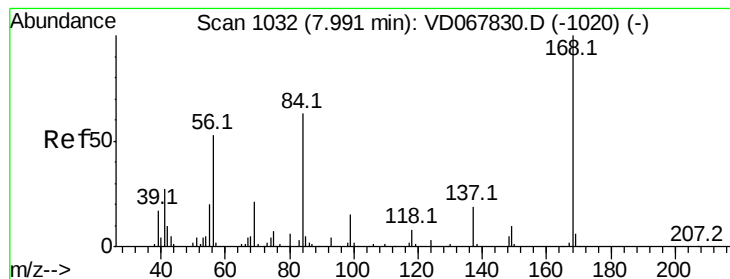
#30
Chloroform
Concen: 5.468 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Tgt Ion: 83 Resp: 21757
Ion Ratio Lower Upper
83 100
85 62.4 51.0 76.4



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





#31

Cyclohexane

Concen: 6.283 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

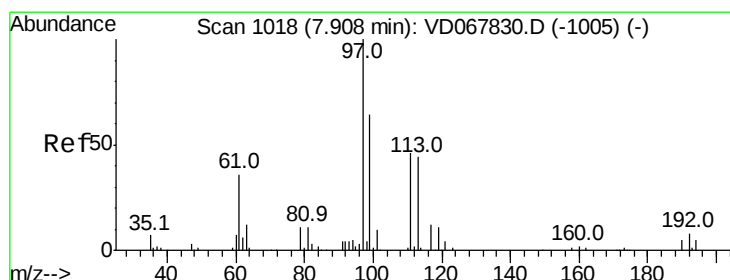
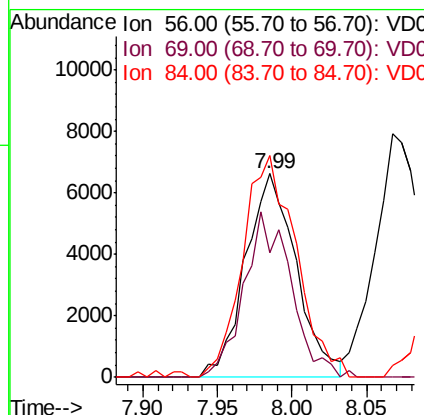
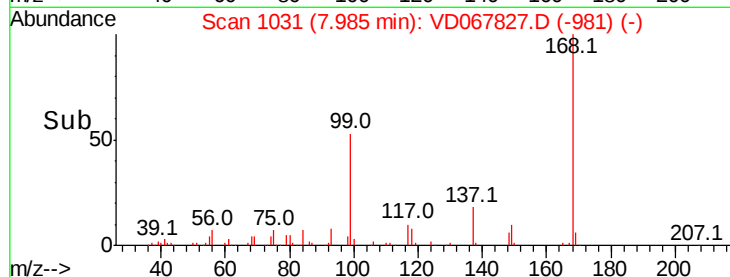
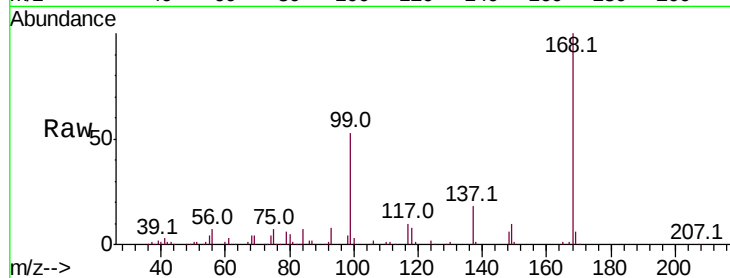
Tot Ion: 56 Resp: 15654

Ion Ratio Lower Upper

56 100

69 61.3 32.1 48.1#

84 108.6 93.2 139.8



#32

1,1,1-Trichloroethane

Concen: 5.571 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

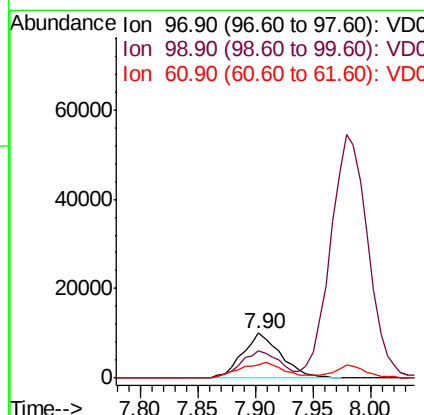
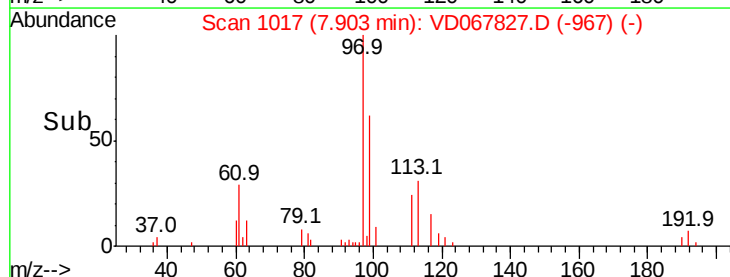
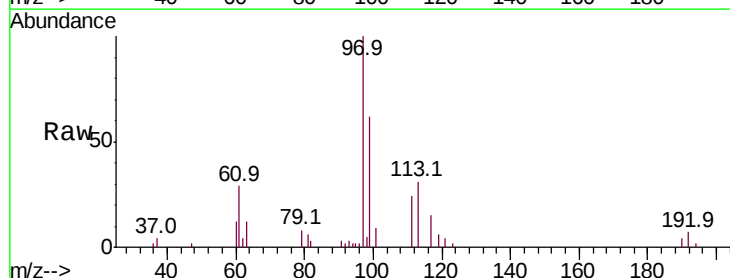
Tgt Ion: 97 Resp: 23397

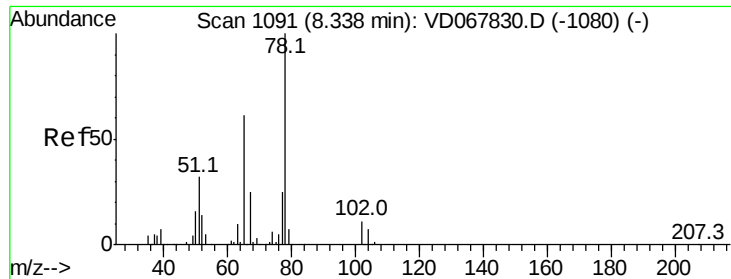
Ion Ratio Lower Upper

97 100

99 61.7 51.4 77.2

61 39.6 30.8 46.2





#33

1,2-Dichloroethane-d4

Concen: 5.436 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

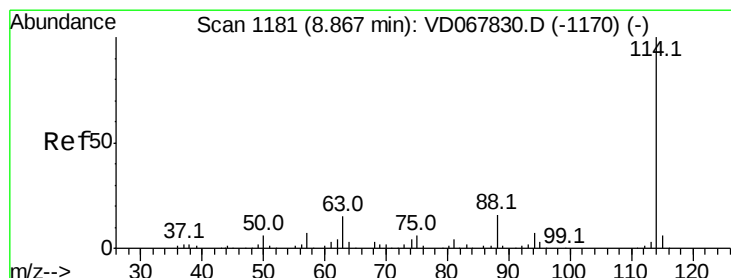
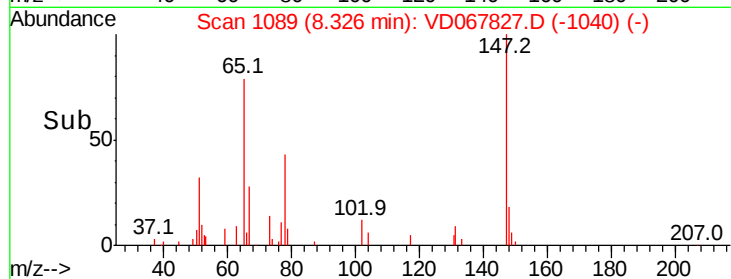
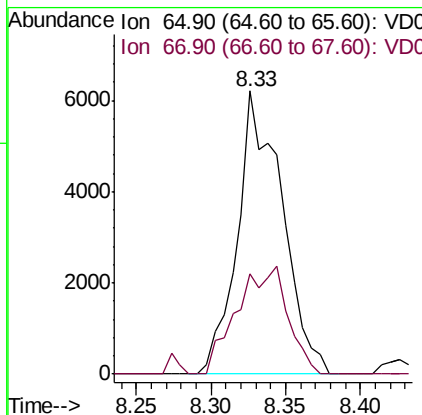
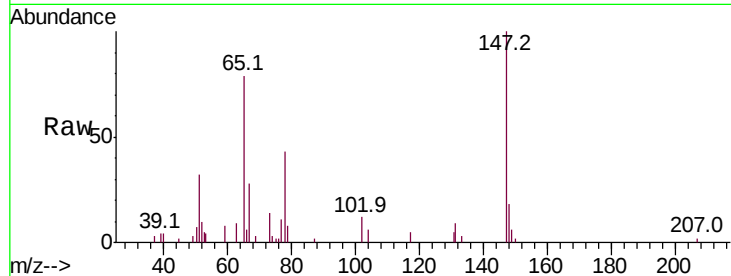
Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 65 Resp: 12856

Ion	Ratio	Lower	Upper
65	100		
67	43.4	0.0	92.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

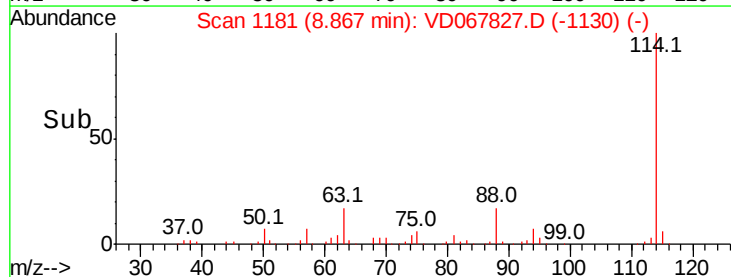
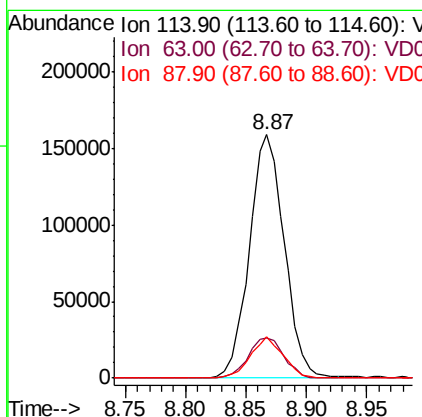
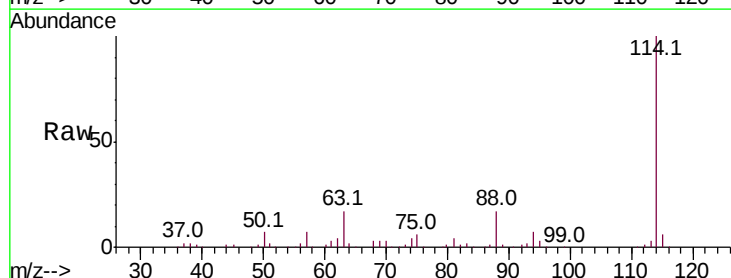
Delta R.T. 0.00 min

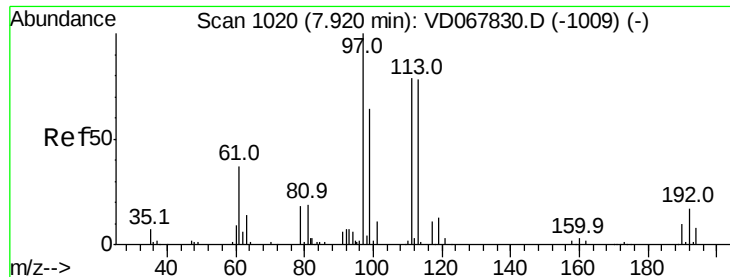
Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Tgt Ion: 114 Resp: 320579

Ion	Ratio	Lower	Upper
114	100		
63	16.5	0.0	30.8
88	17.2	0.0	31.8





#35

Dibromofluoromethane

Concen: 5.206 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

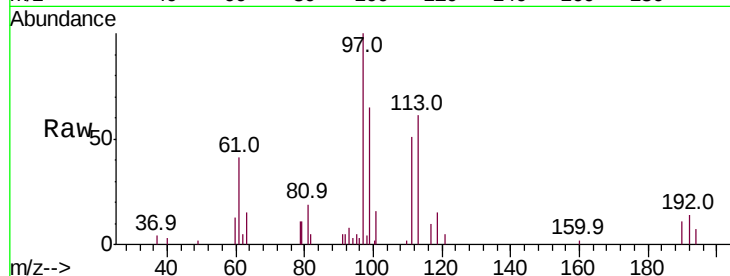
Tot Ion:113 Resp: 11167

Ion Ratio Lower Upper

113 100

111 95.5 81.2 121.8

192 21.3 16.8 25.2

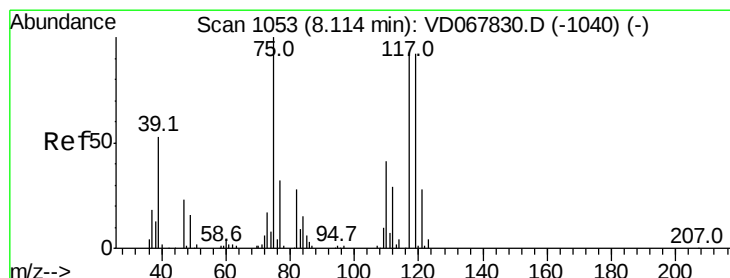
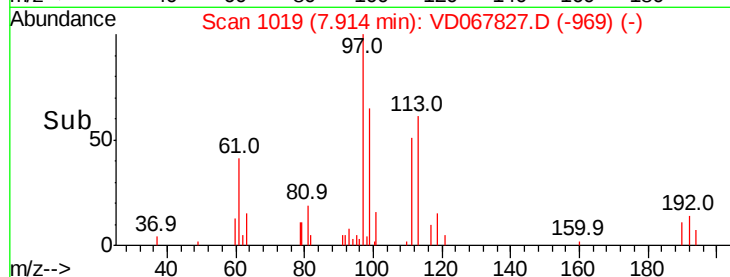
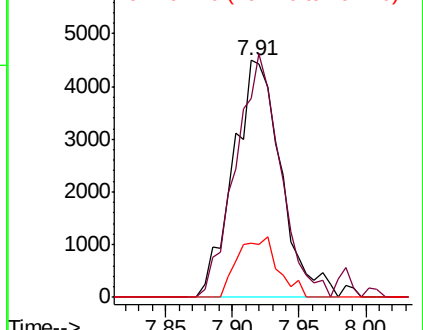


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.108 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

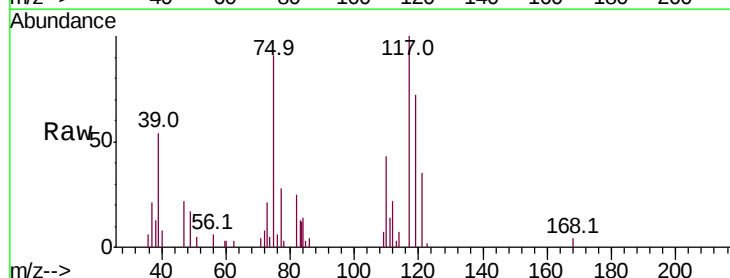
Tgt Ion: 75 Resp: 14175

Ion Ratio Lower Upper

75 100

110 40.8 20.3 61.0

77 30.2 24.7 37.1

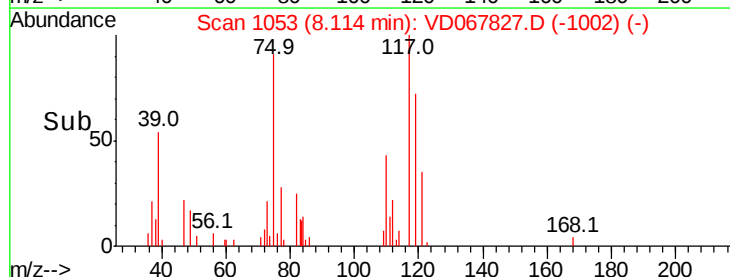
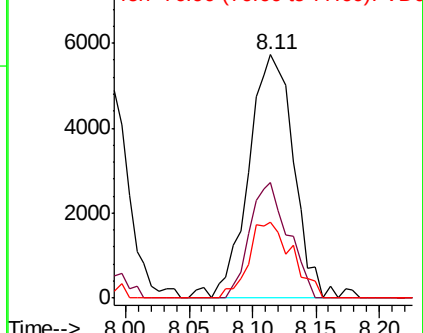


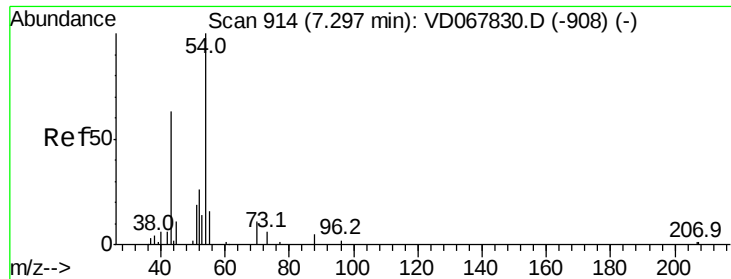
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 2.545 ug/l

RT: 7.28 min Scan# 911

Delta R.T. -0.02 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

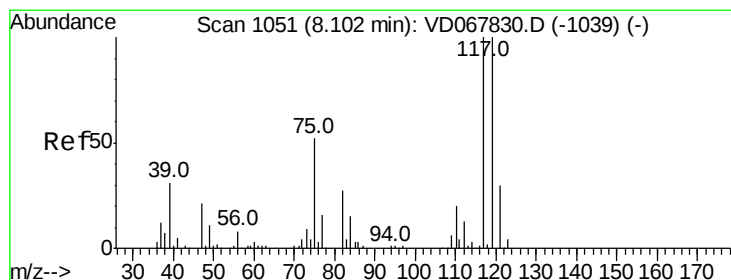
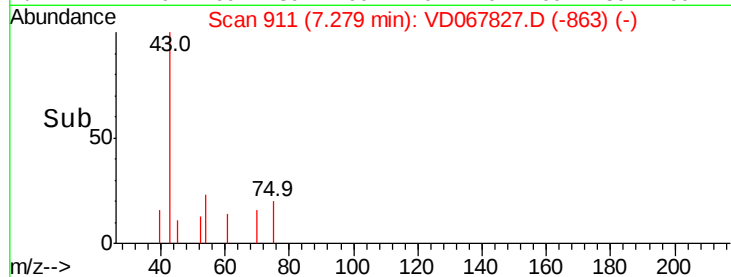
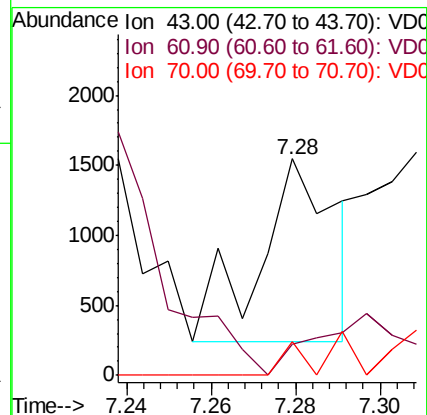
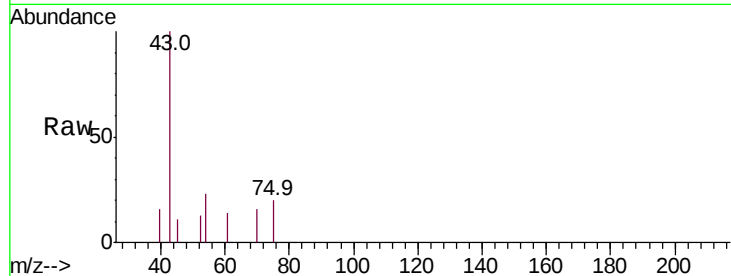
Tot Ion: 43 Resp: 1649

Ion Ratio Lower Upper

43 100

61 0.0 11.4 17.2#

70 5.2 11.5 17.3#



#38

Carbon Tetrachloride

Concen: 5.383 ug/l

RT: 8.10 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

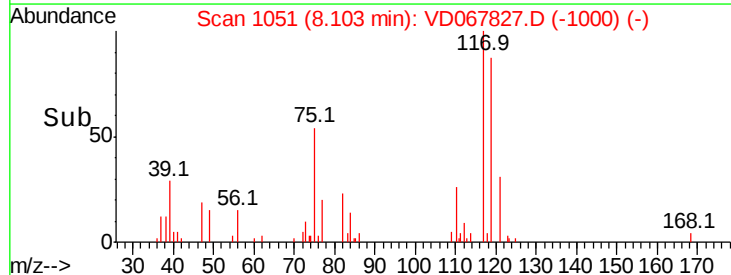
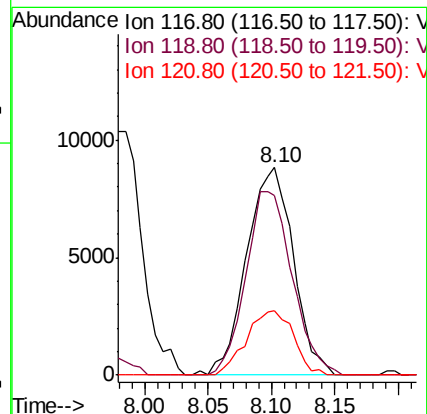
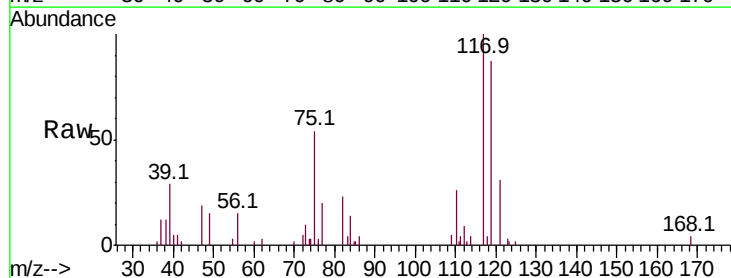
Tgt Ion: 117 Resp: 22604

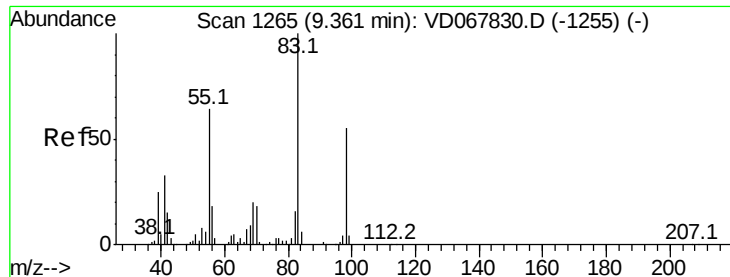
Ion Ratio Lower Upper

117 100

119 86.8 79.7 119.5

121 31.2 23.8 35.6

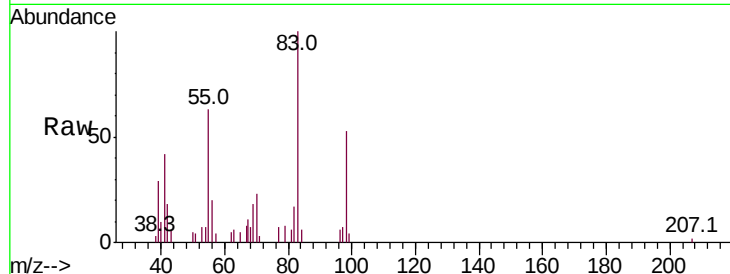




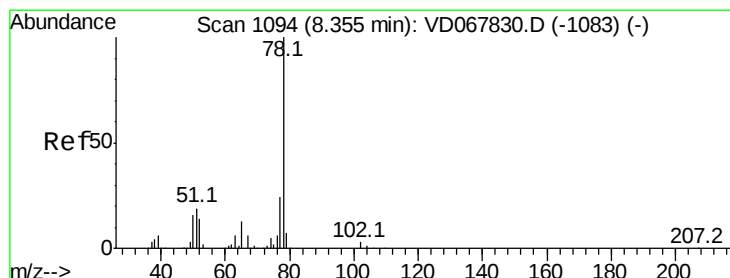
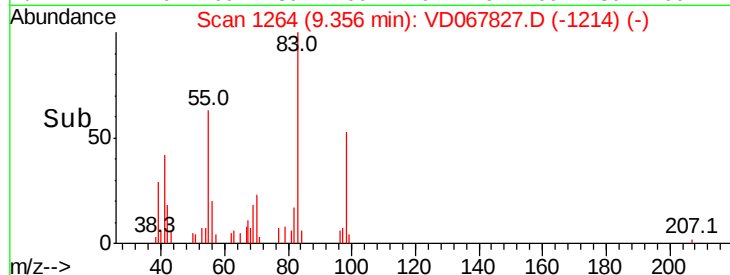
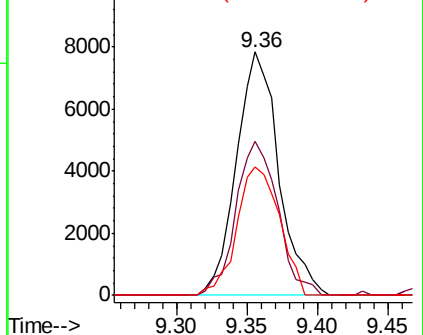
#39
Methvlcvclohexane
Concen: 5.003 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	16453
Ion Ratio	Lower	Upper	
83	100		
55	63.1	51.6	77.4
98	52.9	44.3	66.5

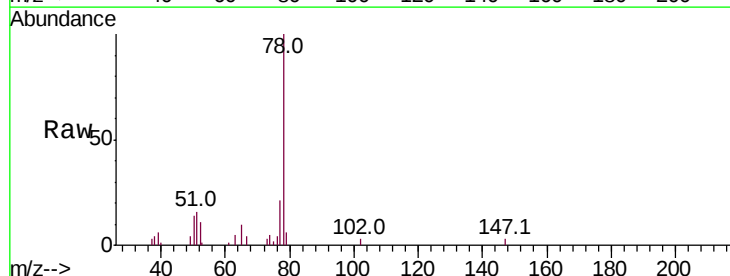


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

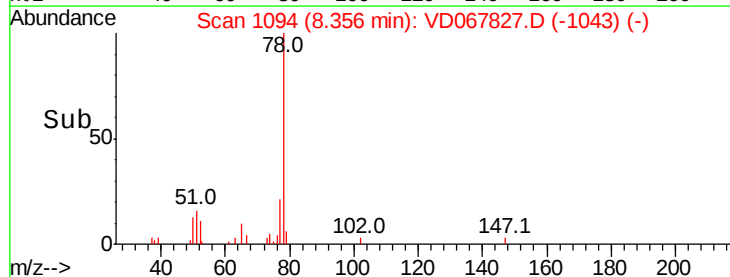
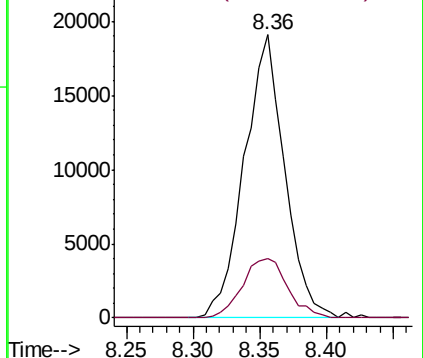


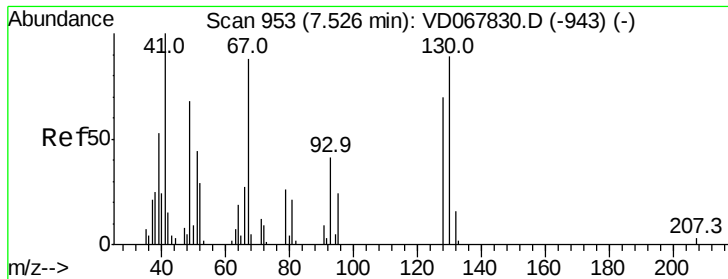
#40
Benzene
Concen: 5.250 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Tgt Ion	78	Resp	39871
Ion Ratio	Lower	Upper	
78	100		
77	21.0	19.1	28.7



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





#41

Methacrylonitrile

Concen: 8.161 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 2968

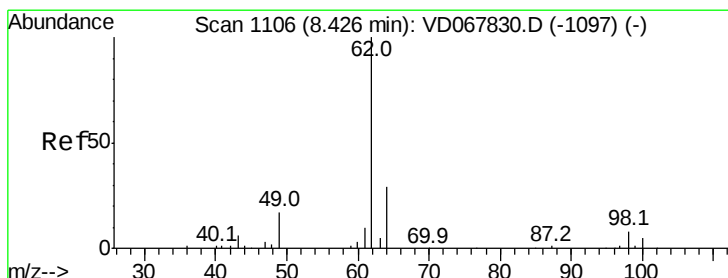
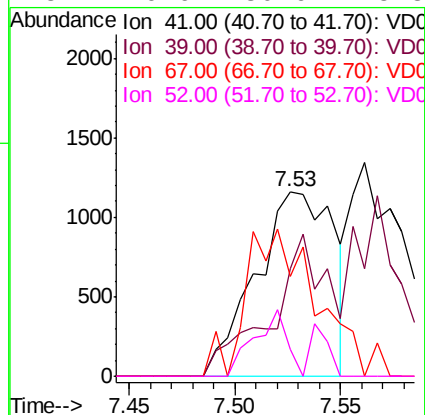
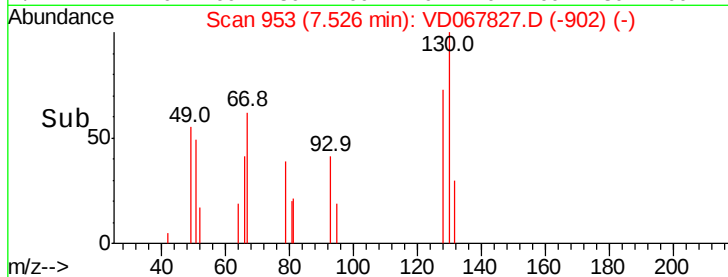
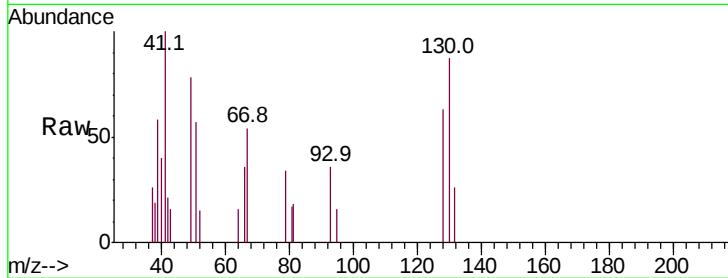
Ion Ratio Lower Upper

41 100

39 55.9 42.1 63.1

67 0.0 82.4 123.6#

52 6.6 30.6 45.8#



#42

1,2-Dichloroethane

Concen: 5.088 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067827.D

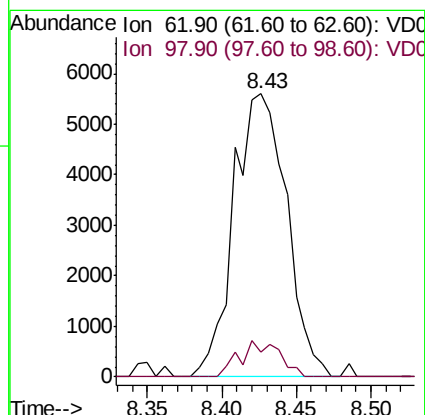
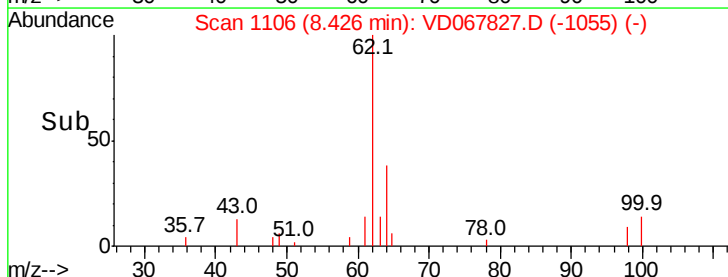
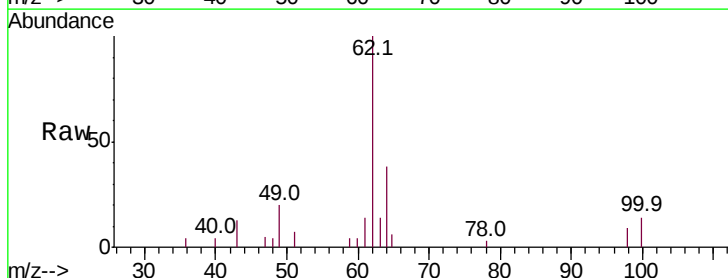
Acq: 01 Dec 2020 10:34

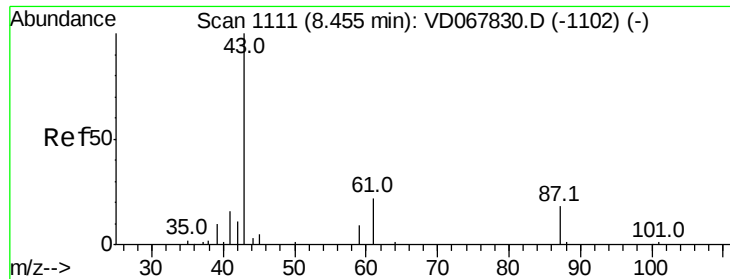
Tgt Ion: 62 Resp: 13770

Ion Ratio Lower Upper

62 100

98 9.5 0.0 17.2





#43

Isopropyl Acetate

Concen: 5.093 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

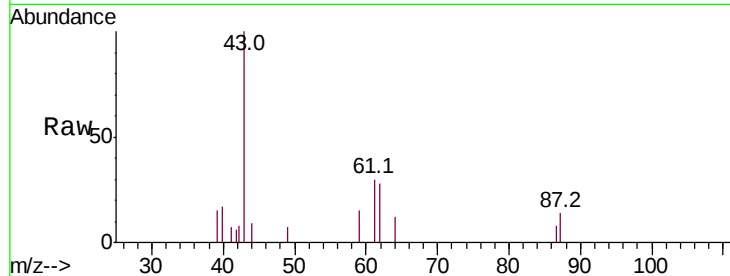
Tot Ion: 43 Resp: 7495

Ion Ratio Lower Upper

43 100

61 0.0 30.4 45.6#

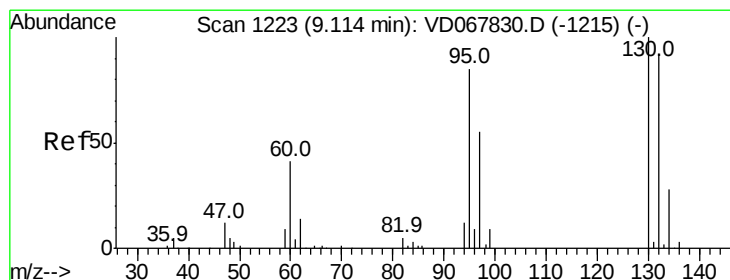
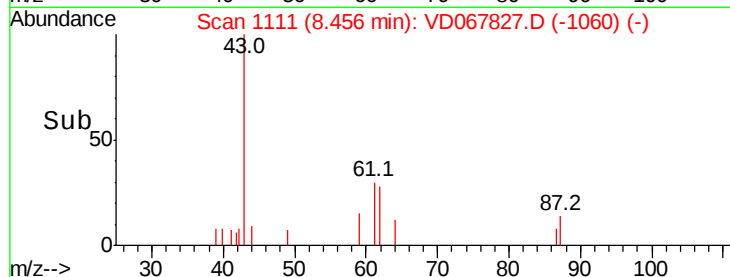
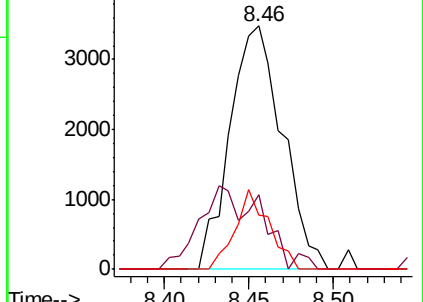
87 21.0 16.2 24.2



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: 5.284 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067827.D

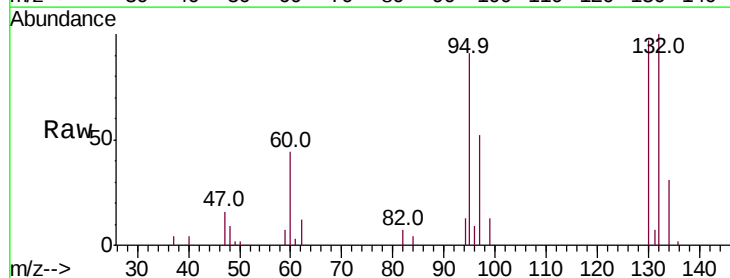
Acq: 01 Dec 2020 10:34

Tgt Ion:130 Resp: 13796

Ion Ratio Lower Upper

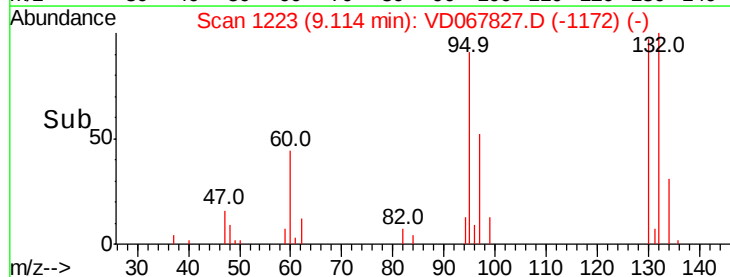
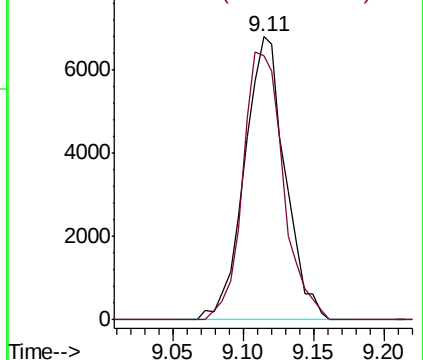
130 100

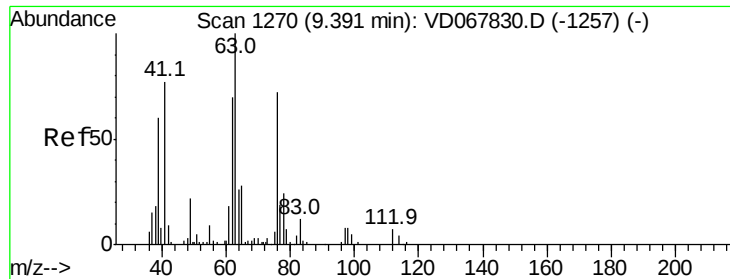
95 93.4 0.0 170.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 5.366 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

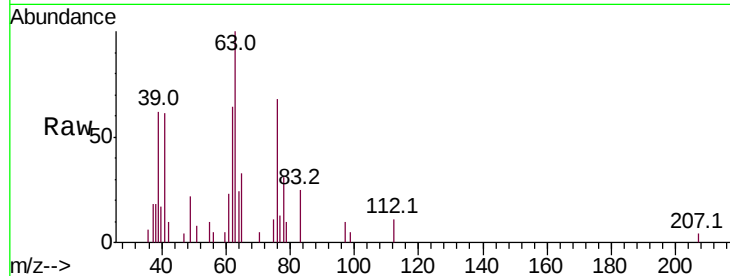
VSTDIC005

Tot Ion: 63 Resp: 8364

Ion Ratio Lower Upper

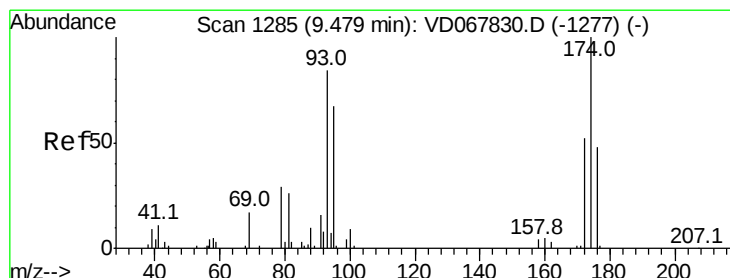
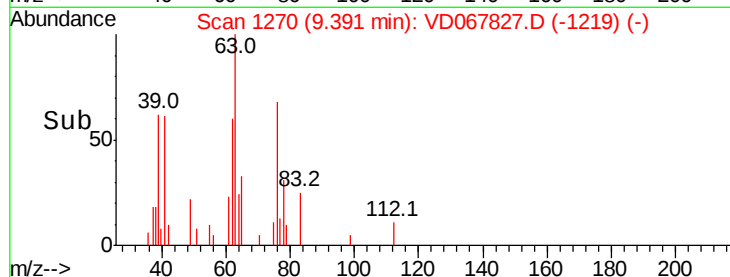
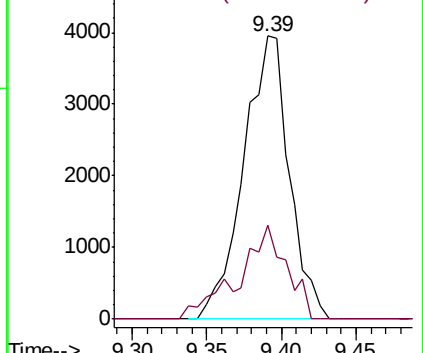
63 100

65 33.1 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 5.026 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

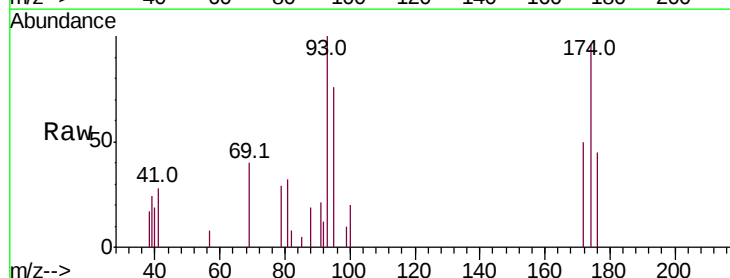
Tgt Ion: 93 Resp: 5446

Ion Ratio Lower Upper

93 100

95 85.1 64.2 96.4

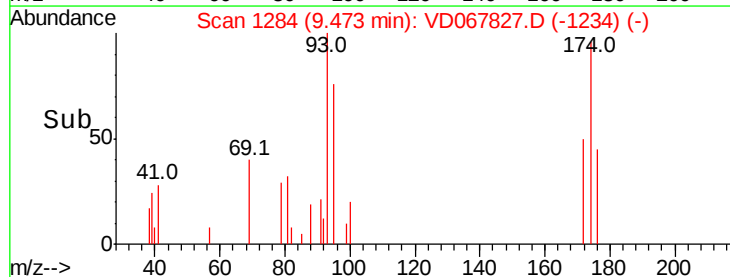
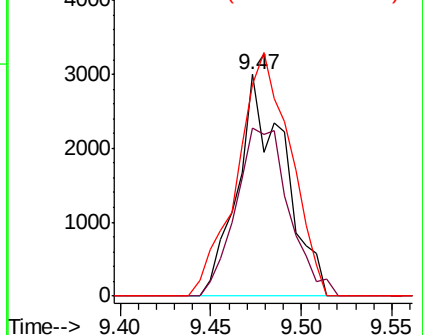
174 124.2 91.5 137.3

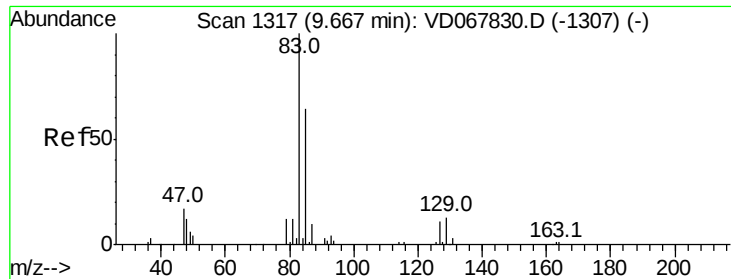


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 5.382 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

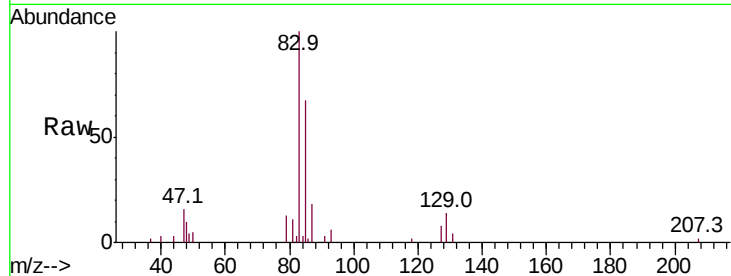
Tot Ion: 83 Resp: 16626

Ion Ratio Lower Upper

83 100

85 67.0 51.4 77.0

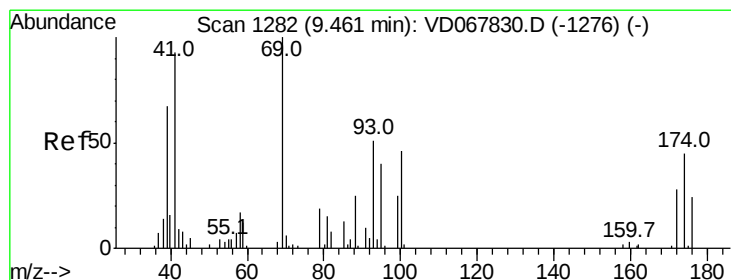
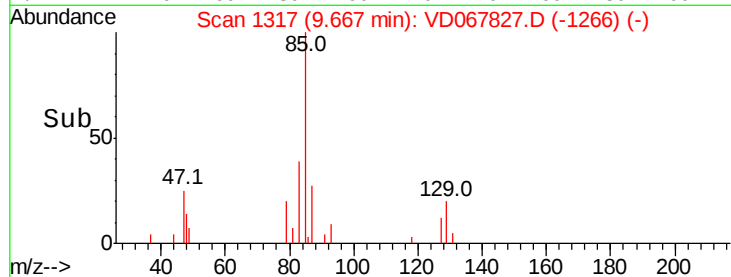
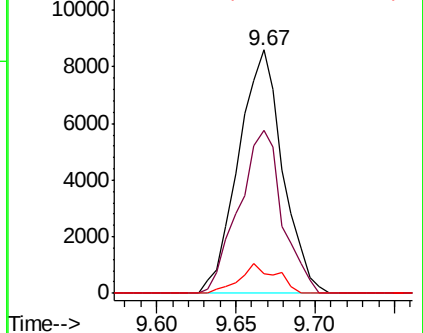
127 8.3 8.5 12.7#



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: 5.105 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

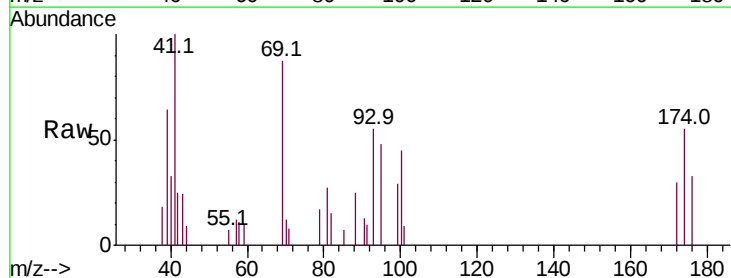
Tgt Ion: 41 Resp: 3815

Ion Ratio Lower Upper

41 100

69 99.6 87.6 131.4

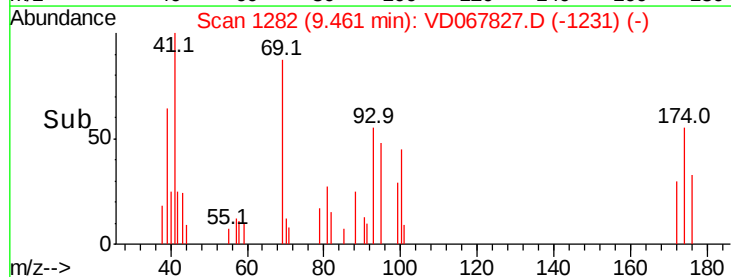
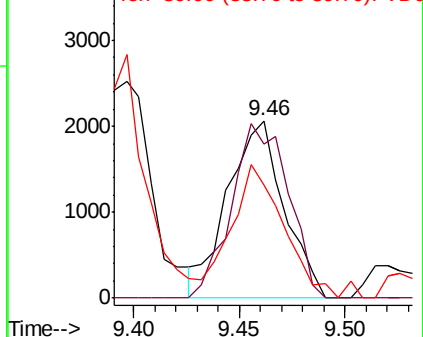
39 69.7 61.2 91.8

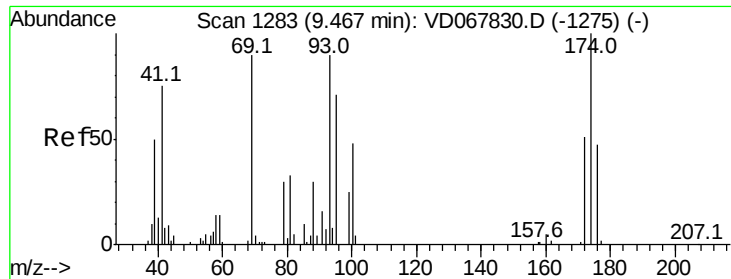


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 120.171 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

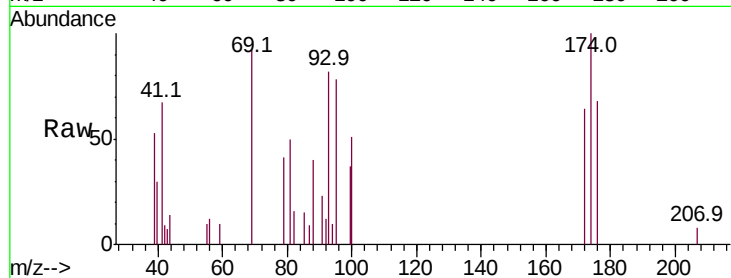
Tot Ion: 88 Resp: 1488

Ion Ratio Lower Upper

88 100

43 21.0 30.1 45.1#

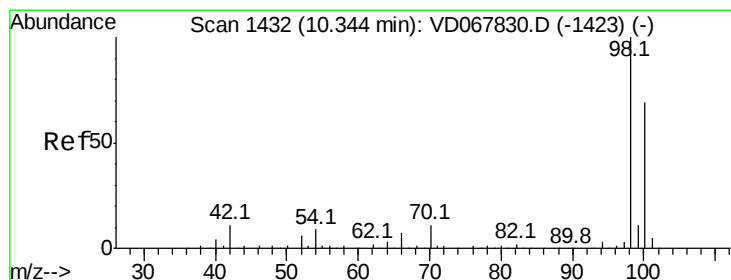
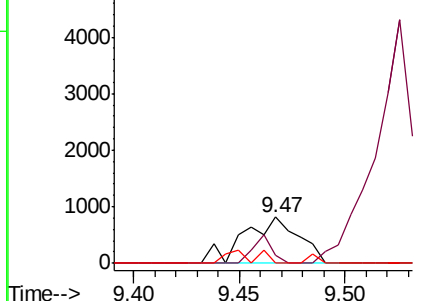
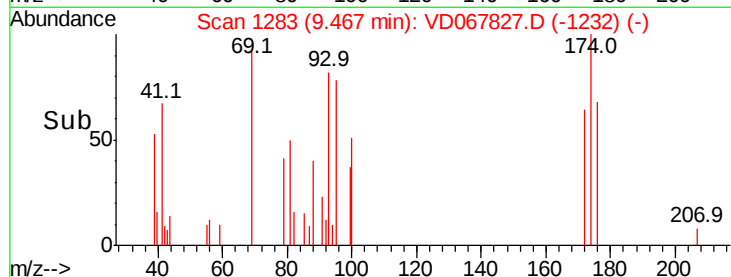
58 14.7 42.4 63.6#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 4.963 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067827.D

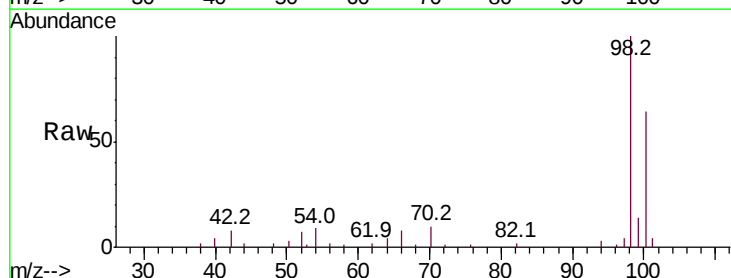
Acq: 01 Dec 2020 10:34

Tgt Ion: 98 Resp: 38321

Ion Ratio Lower Upper

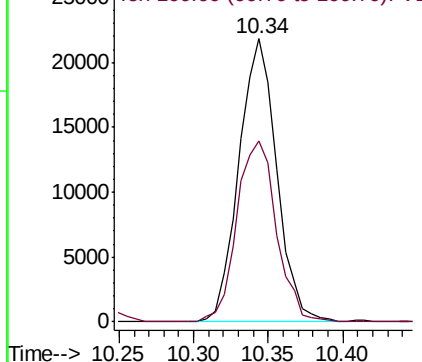
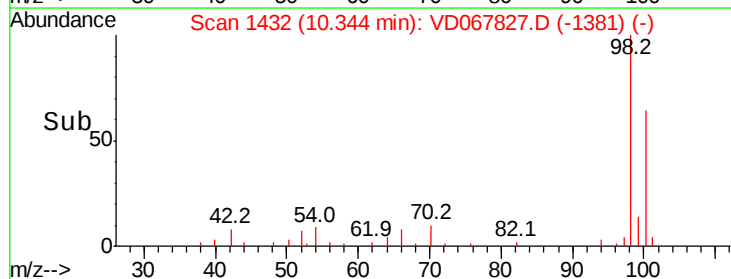
98 100

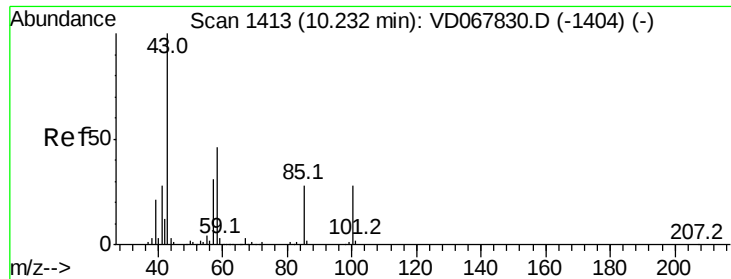
100 67.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 24.646 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleID :

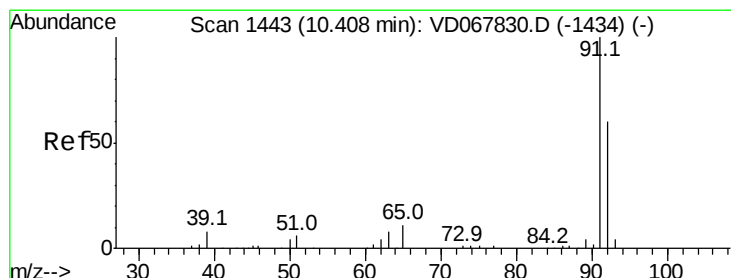
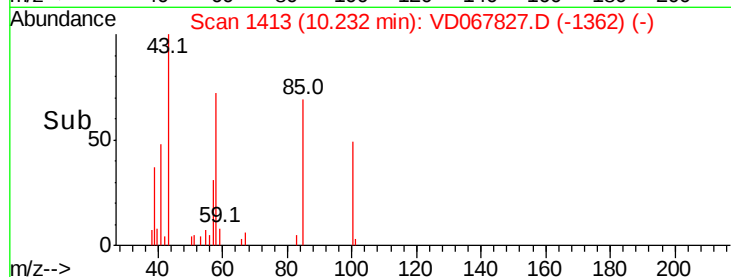
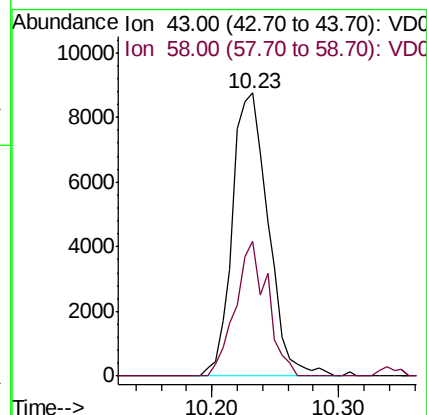
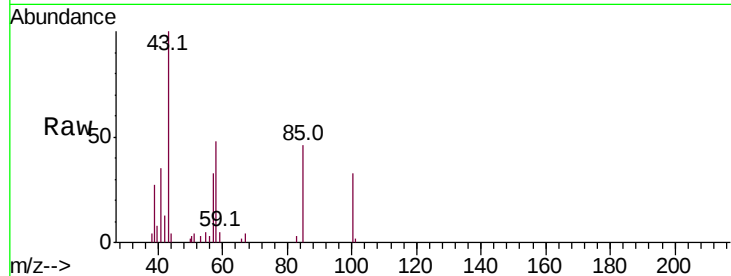
VSTDIC005

Tot Ion: 43 Resp: 17167

Ion Ratio Lower Upper

43 100

58 42.9 35.7 53.5



#52

Toluene

Concen: 5.156 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067827.D

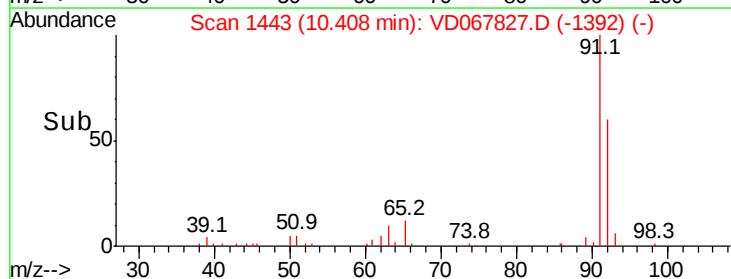
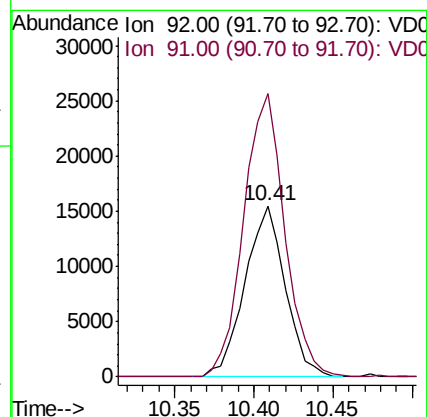
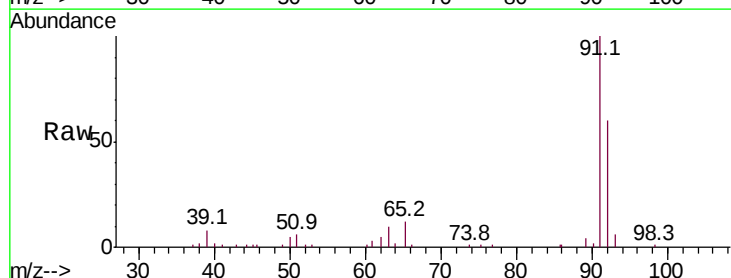
Acq: 01 Dec 2020 10:34

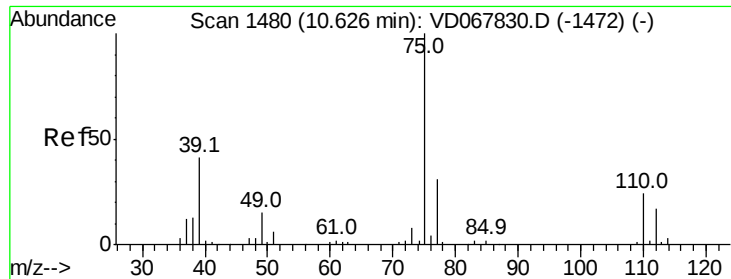
Tgt Ion: 92 Resp: 27372

Ion Ratio Lower Upper

92 100

91 168.8 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 5.112 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

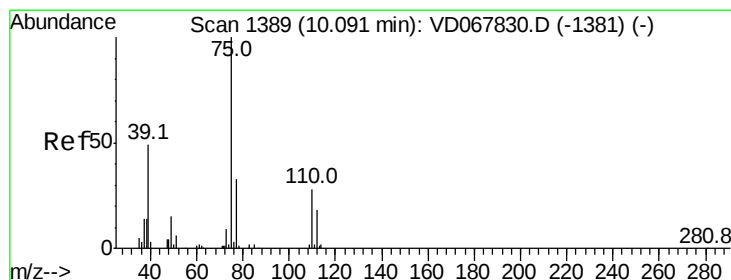
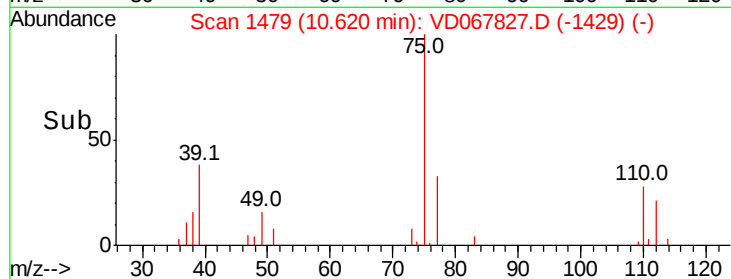
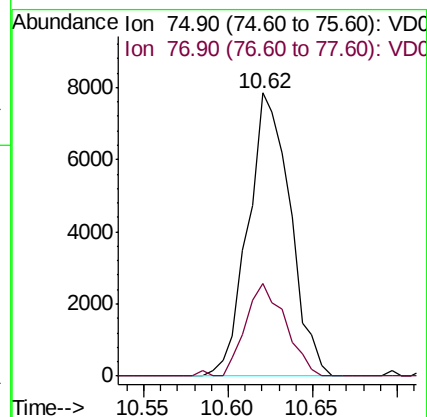
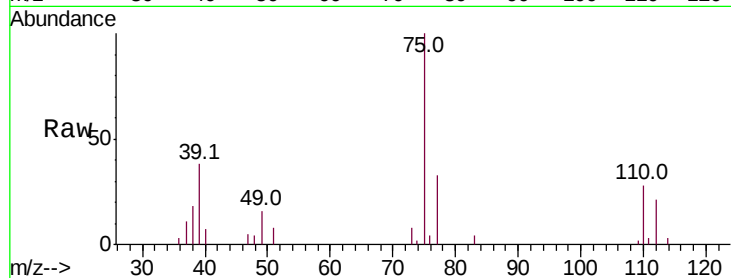
VSTDIC005

Tot Ion: 75 Resp: 13630

Ion Ratio Lower Upper

75 100

77 32.9 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 4.939 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

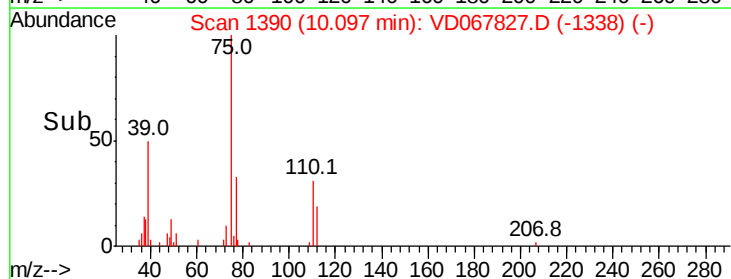
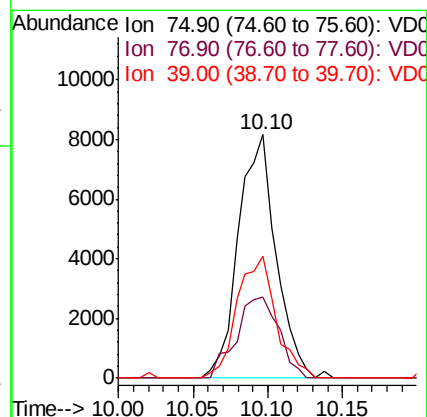
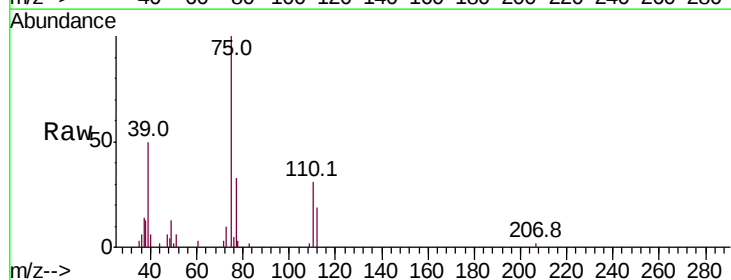
Tgt Ion: 75 Resp: 14325

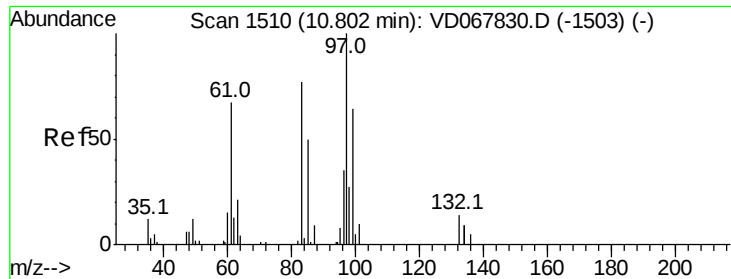
Ion Ratio Lower Upper

75 100

77 33.3 26.2 39.2

39 50.2 39.0 58.4





#55

1,1,2-Trichloroethane

Concen: 5.794 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 8593

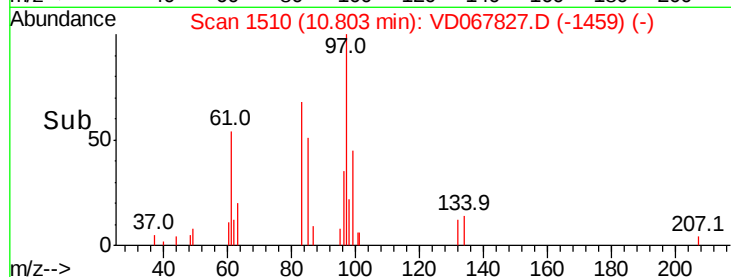
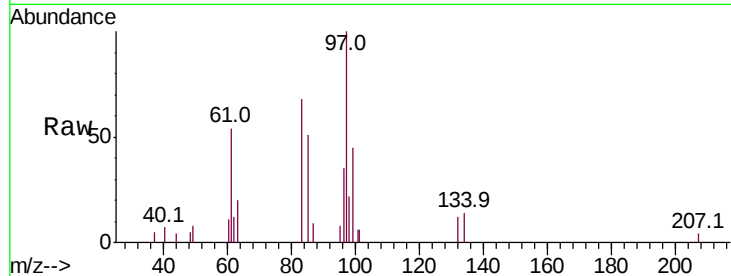
Ion	Ratio	Lower	Upper
97	100		
83	68.4	61.9	92.9
85	50.8	40.2	60.4
99	45.0	51.0	76.6#

97 100

83 68.4 61.9 92.9

85 50.8 40.2 60.4

99 45.0 51.0 76.6#

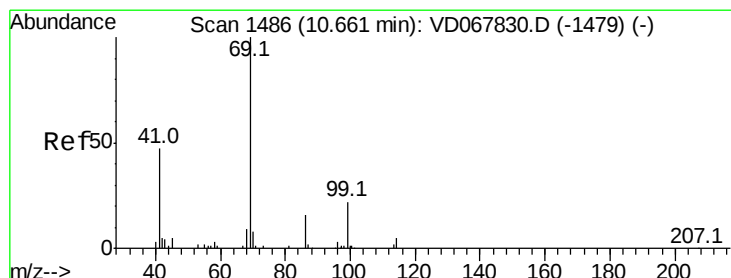
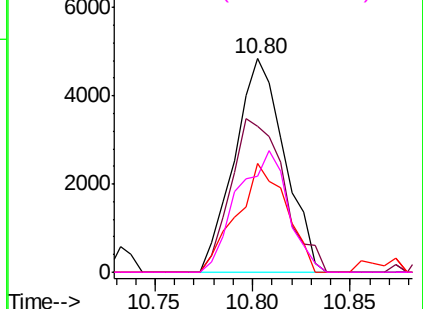


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 5.071 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

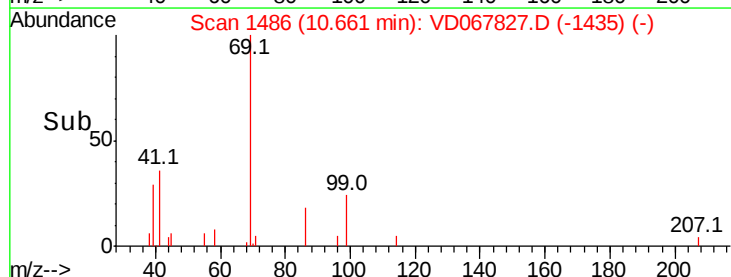
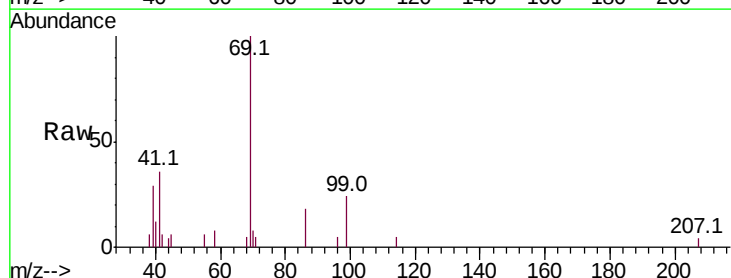
Tgt Ion: 69 Resp: 7651

Ion	Ratio	Lower	Upper
69	100		
41	46.2	42.8	64.2
39	0.0	30.5	45.7#

69 100

41 46.2 42.8 64.2

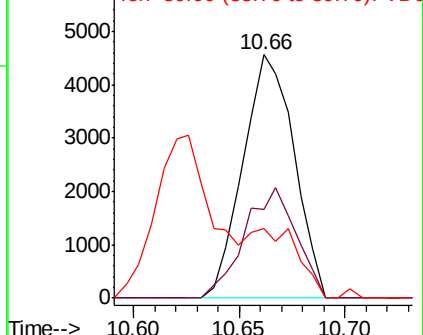
39 0.0 30.5 45.7#

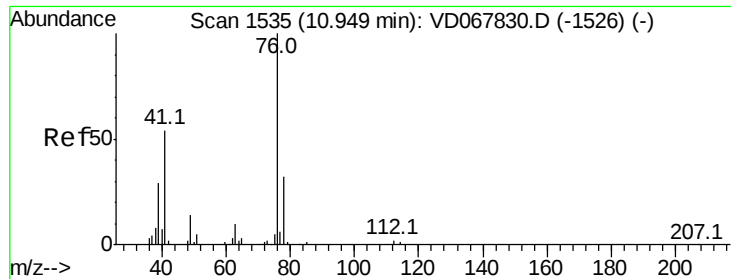


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 5.405 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

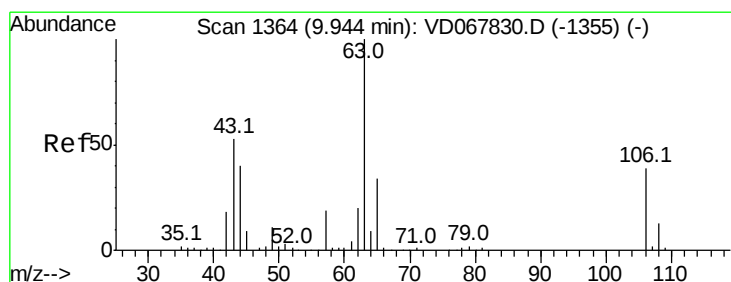
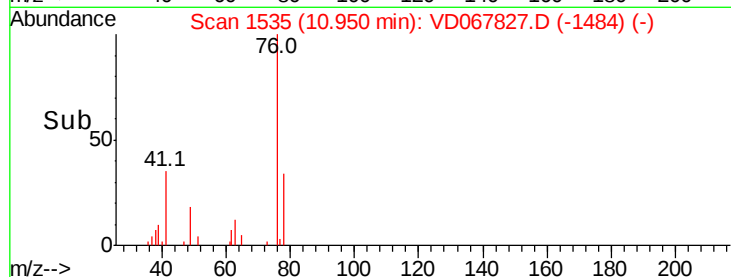
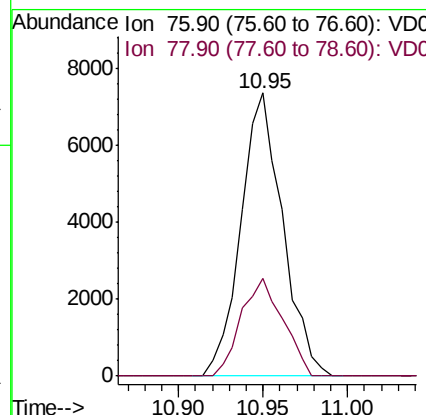
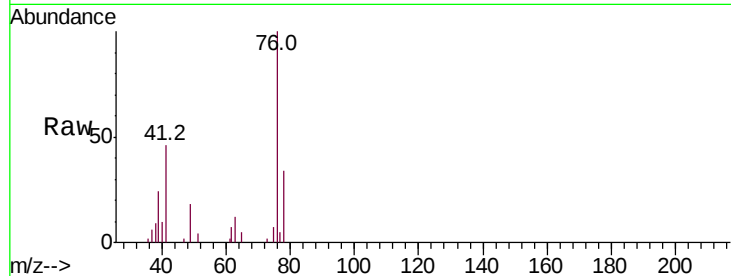
Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 12696

Ion	Ratio	Lower	Upper
76	100		
78	34.4	26.6	39.8



#58

2-Chloroethyl Vinyl ether

Concen: 25.356 ug/l

RT: 9.94 min Scan# 1364

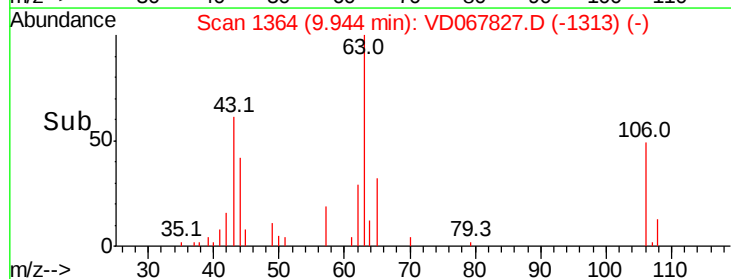
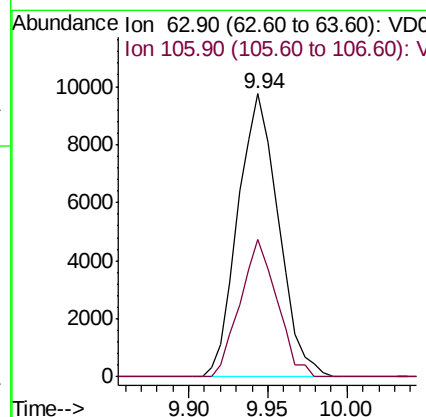
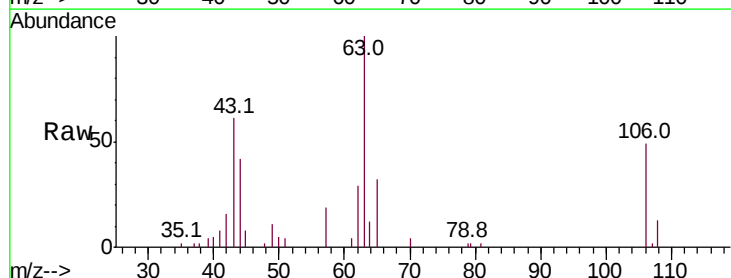
Delta R.T. 0.00 min

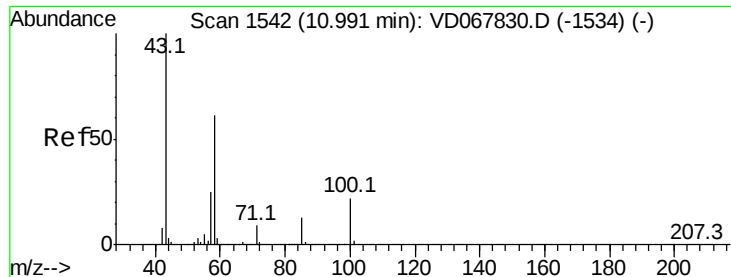
Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Tgt Ion: 63 Resp: 17409

Ion	Ratio	Lower	Upper
63	100		
106	43.9	32.0	48.0

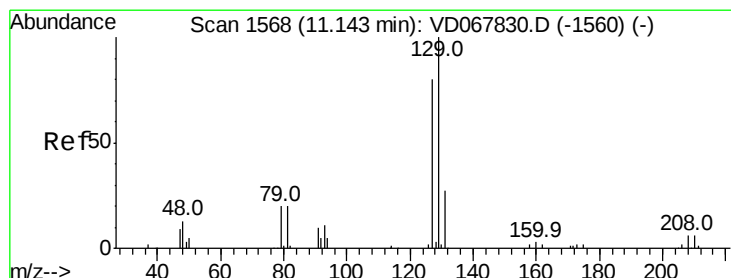
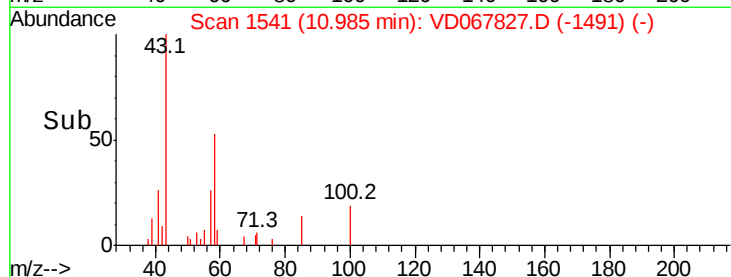
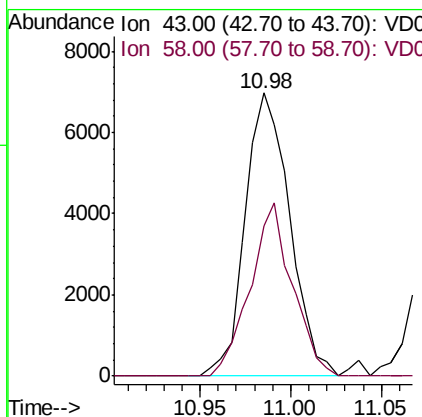
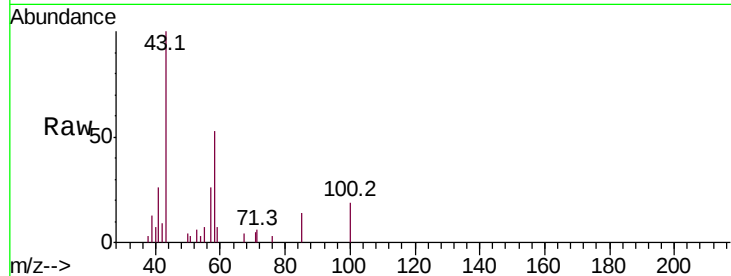




#59
2-Hexanone
Concen: 24.241 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

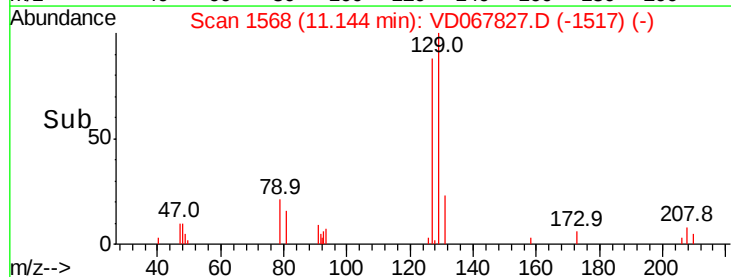
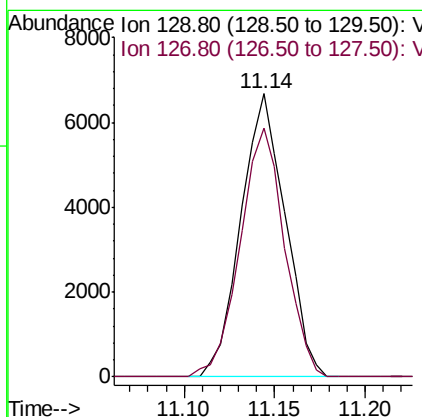
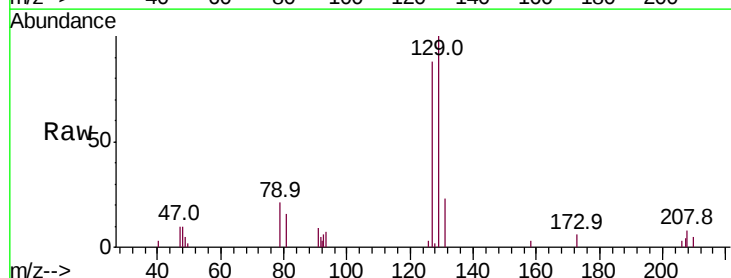
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

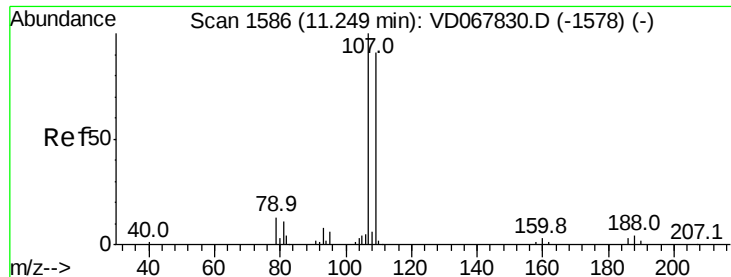
Tot Ion: 43 Resp: 11903
Ion Ratio Lower Upper
43 100
58 58.3 29.9 89.7



#60
Dibromochloromethane
Concen: 5.089 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Tgt Ion: 129 Resp: 11377
Ion Ratio Lower Upper
129 100
127 87.6 39.2 117.6

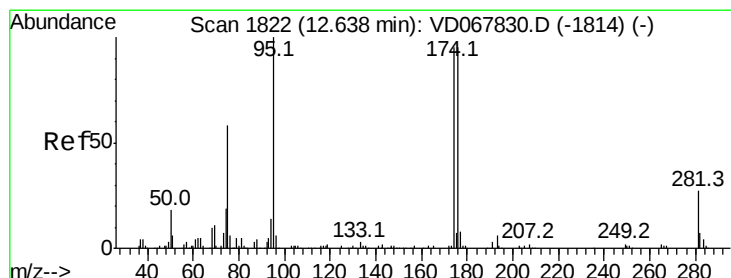
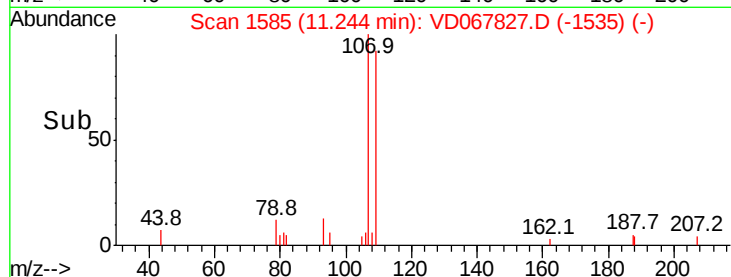
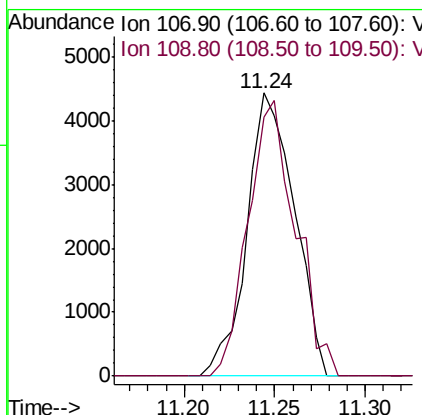
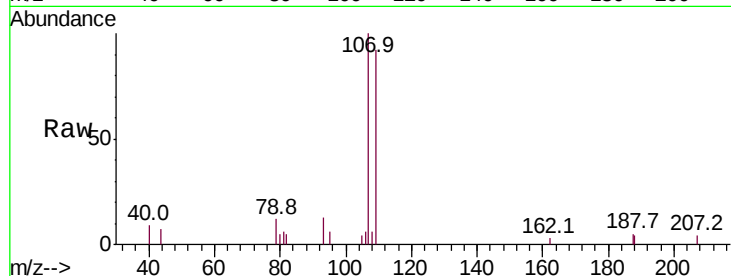




#61
 1,2-Dibromoethane
 Concen: 5.534 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD067827.D
 Acq: 01 Dec 2020 10:34

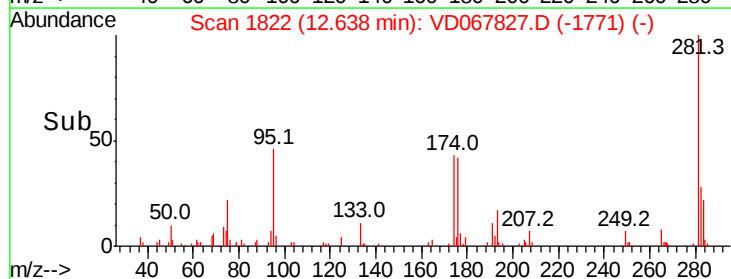
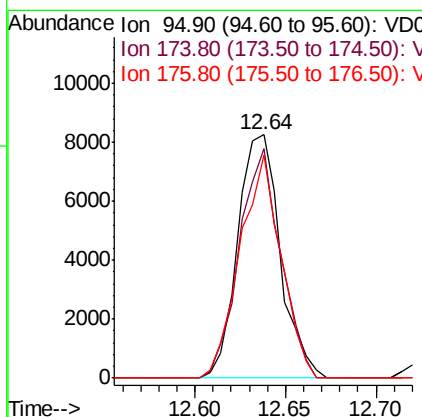
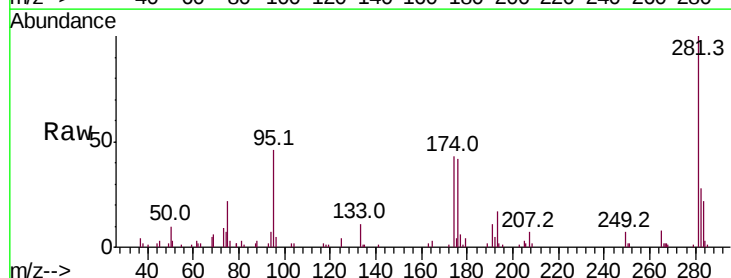
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

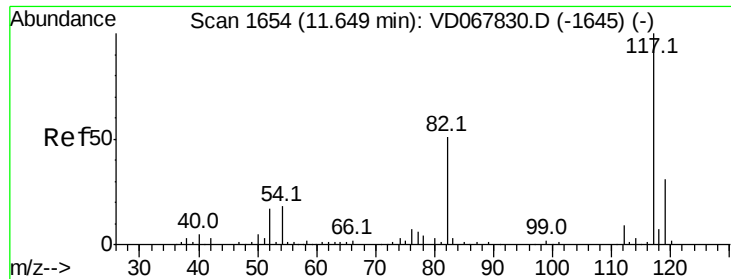
Tot Ion:107 Resp: 8070
 Ion Ratio Lower Upper
 107 100
 109 97.9 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 5.033 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067827.D
 Acq: 01 Dec 2020 10:34

Tgt Ion: 95 Resp: 13437
 Ion Ratio Lower Upper
 95 100
 174 91.9 0.0 186.0
 176 88.8 0.0 184.2

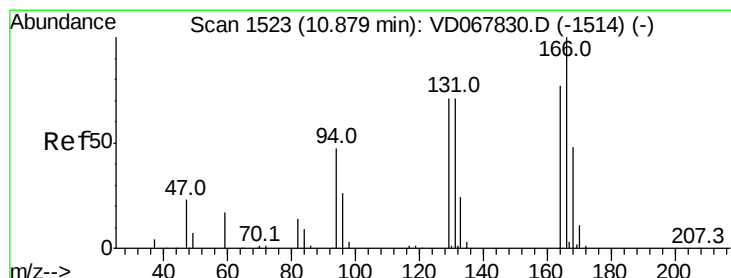
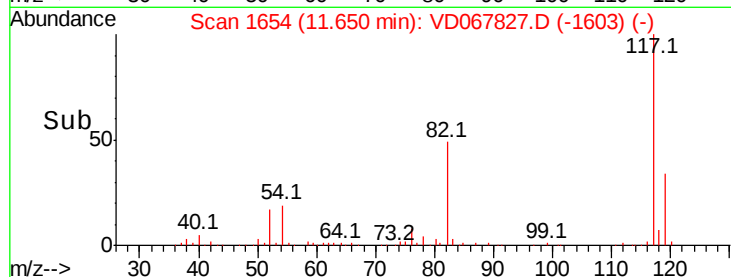
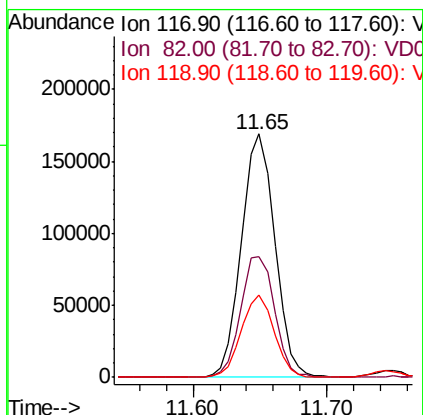
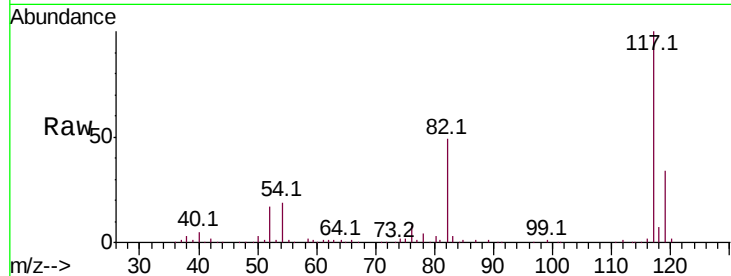




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

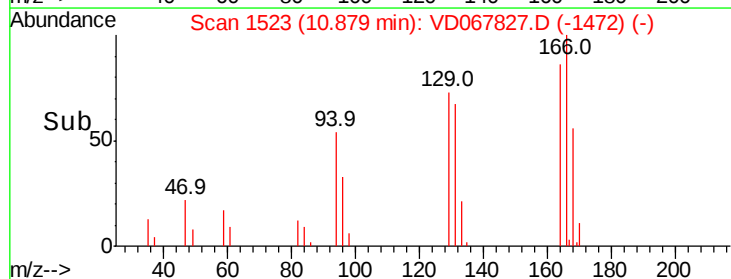
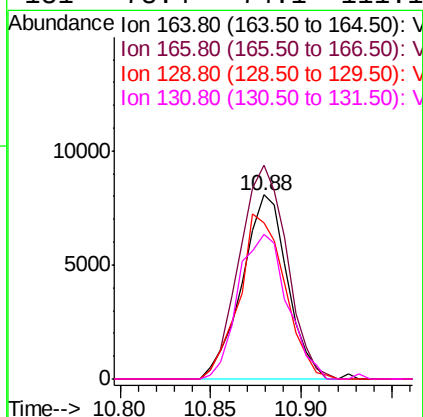
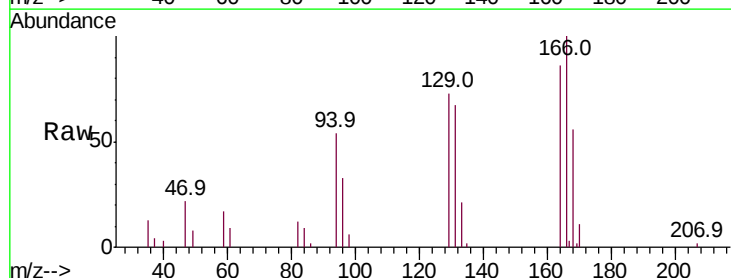
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

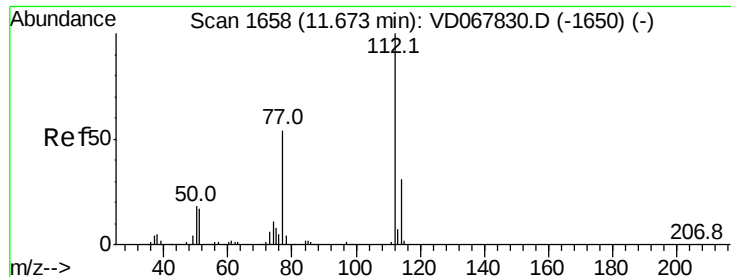
Tot Ion:117 Resp: 294172
Ion Ratio Lower Upper
117 100
82 49.5 40.6 60.8
119 33.6 25.1 37.7



#64
Tetrachloroethene
Concen: 5.841 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Tgt Ion:164 Resp: 14015
Ion Ratio Lower Upper
164 100
166 116.2 103.8 155.6
129 85.3 73.3 109.9
131 78.4 74.1 111.1

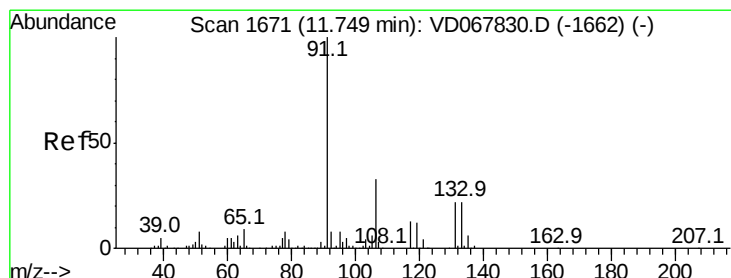
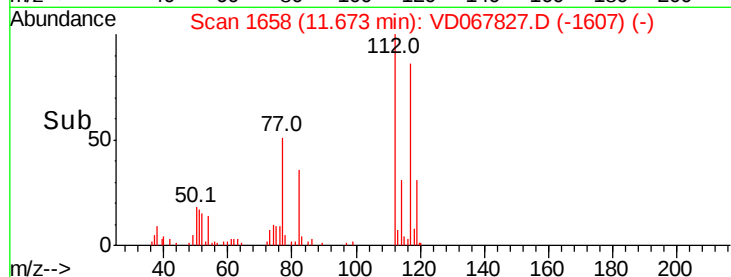
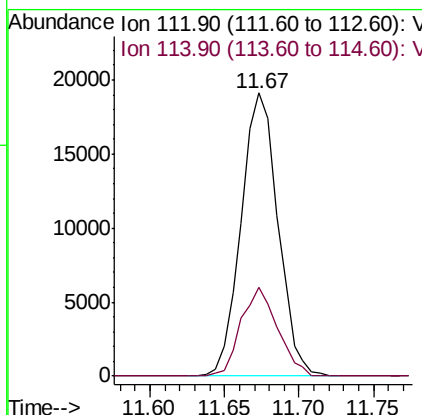
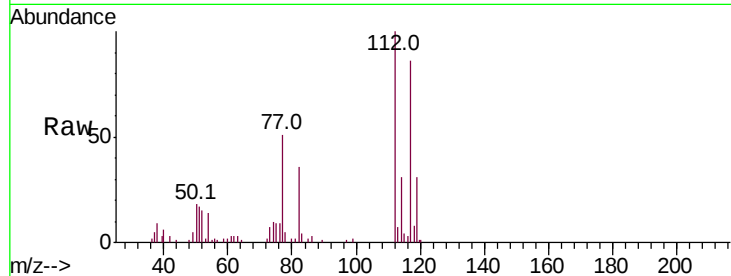




#65
Chlorobenzene
Concen: 5.391 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

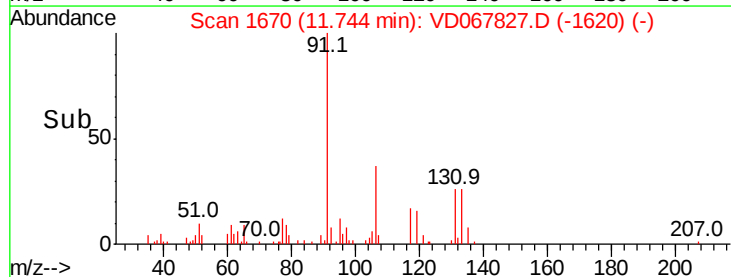
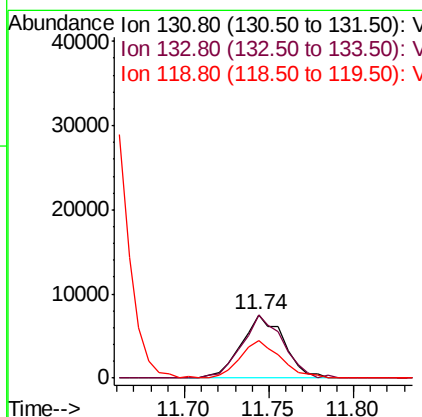
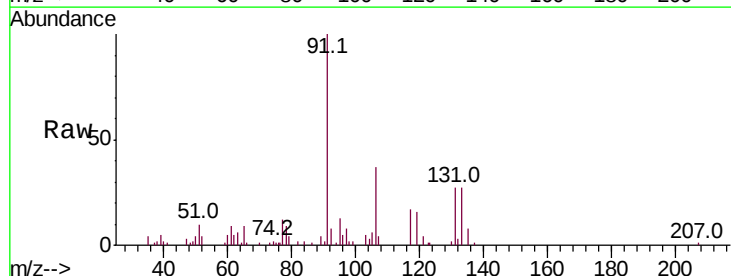
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

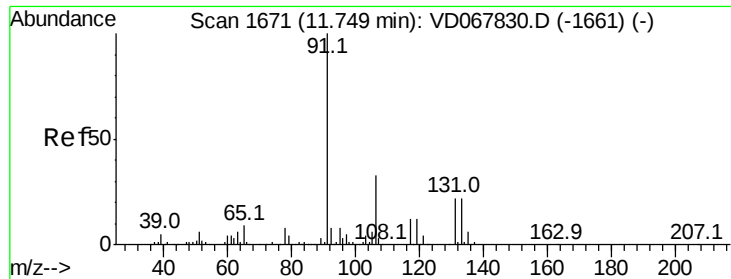
Tot Ion:112 Resp: 32723
Ion Ratio Lower Upper
112 100
114 31.2 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 5.307 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Tgt Ion:131 Resp: 13138
Ion Ratio Lower Upper
131 100
133 96.1 49.9 149.7
119 56.3 29.6 88.9

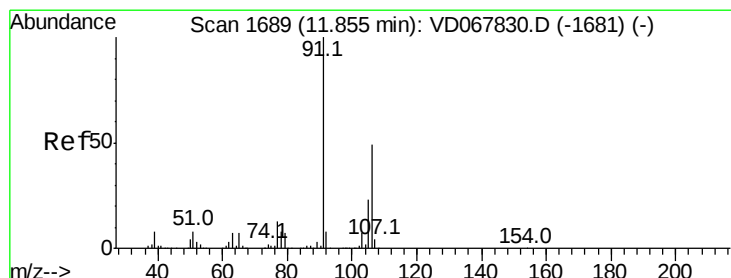
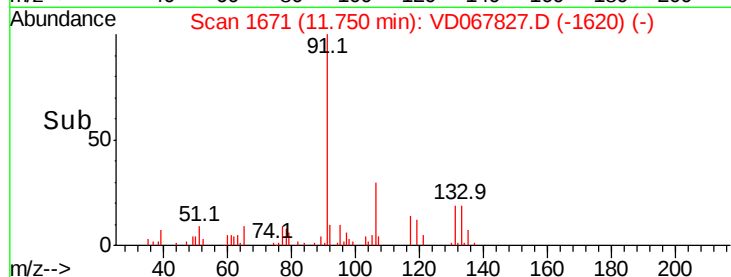
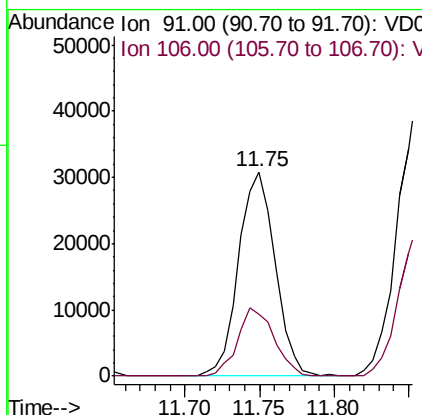
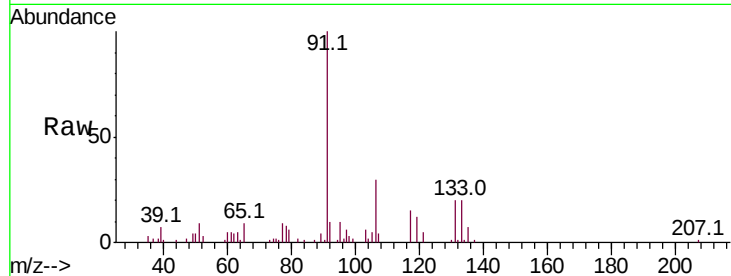




#67
Ethyl Benzene
Concen: 5.066 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

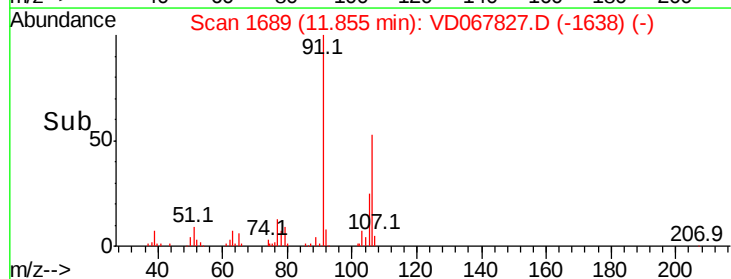
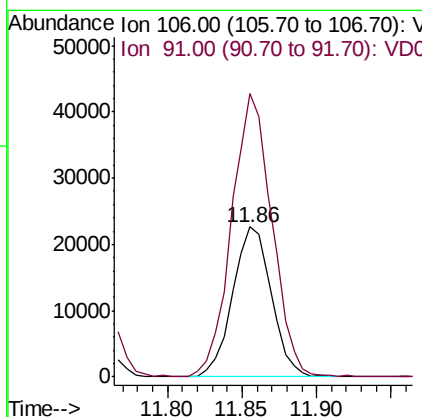
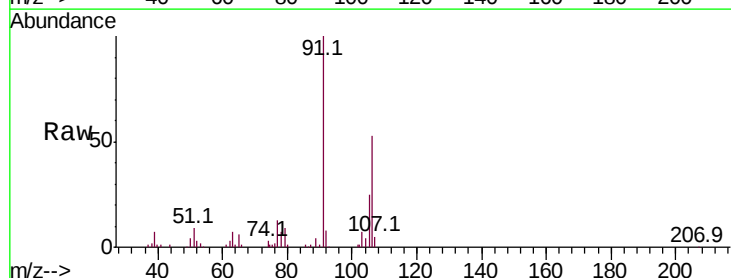
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

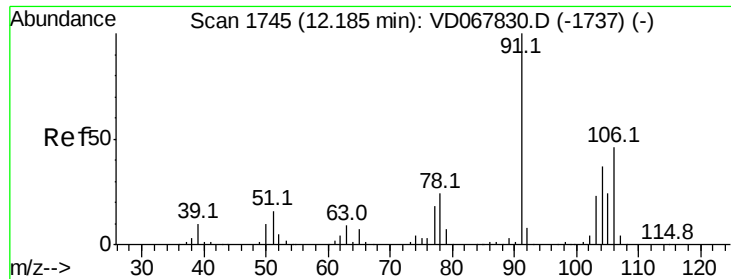
Tot Ion: 91 Resp: 52380
Ion Ratio Lower Upper
91 100
106 30.4 26.2 39.2



#68
m/p-Xylenes
Concen: 10.015 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Tgt Ion: 106 Resp: 40834
Ion Ratio Lower Upper
106 100
91 196.3 162.8 244.2

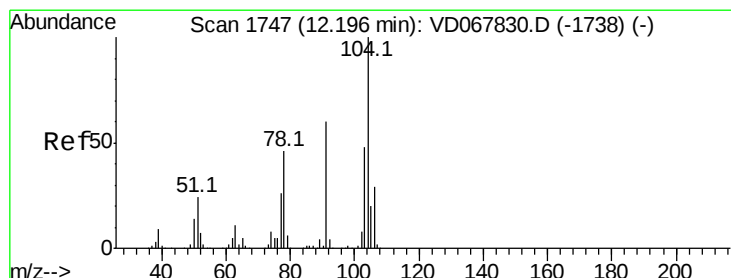
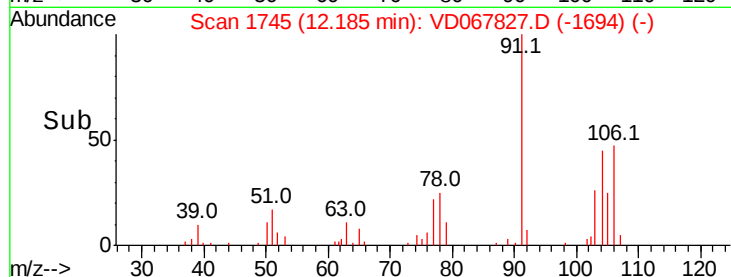
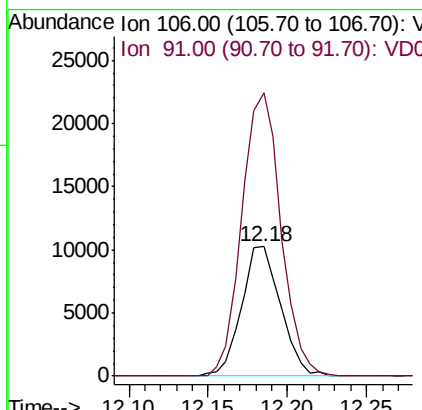
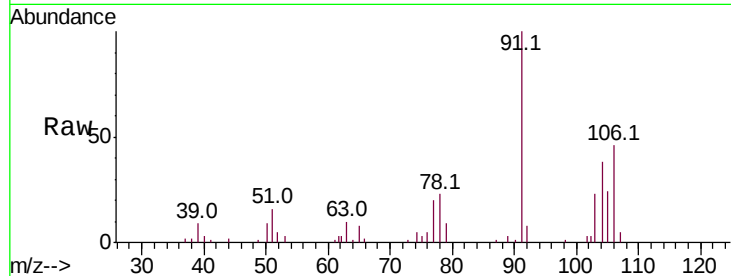




#69
o-Xylene
Concen: 4.856 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

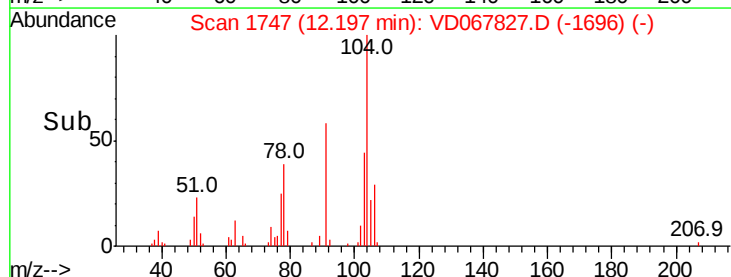
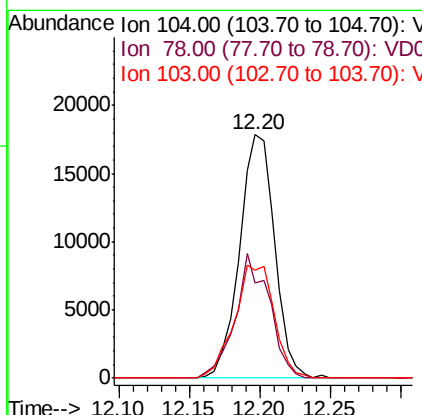
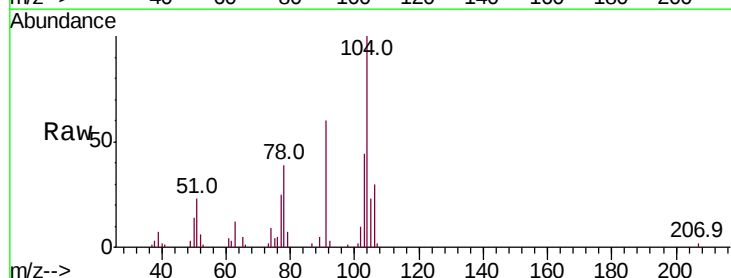
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

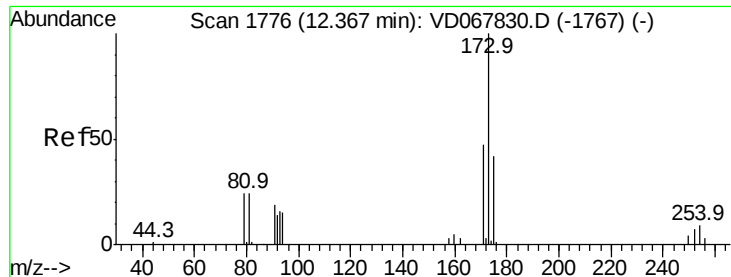
Tot Ion:106 Resp: 17575
Ion Ratio Lower Upper
106 100
91 218.5 107.5 322.5



#70
Styrene
Concen: 4.939 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Tgt Ion:104 Resp: 31089
Ion Ratio Lower Upper
104 100
78 49.6 41.6 62.4
103 52.6 43.2 64.8

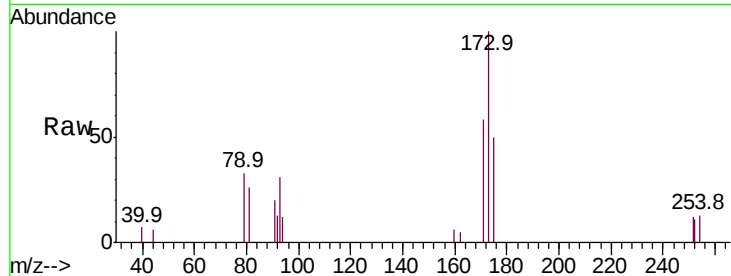




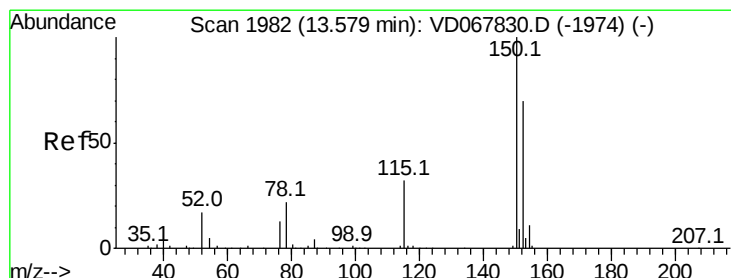
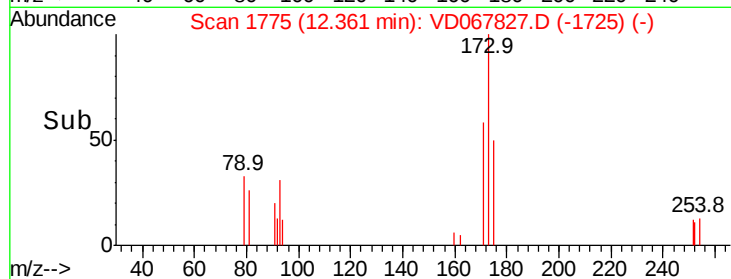
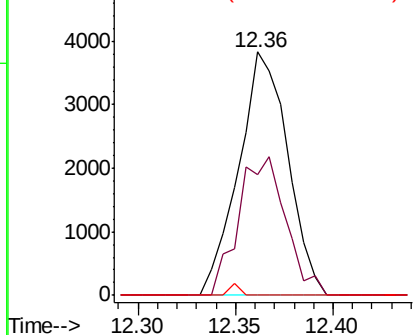
#71
Bromoform
Concen: 5.093 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:173 Resp: 6674
Ion Ratio Lower Upper
173 100
175 54.9 23.4 70.3
254 1.0 0.1 0.1#

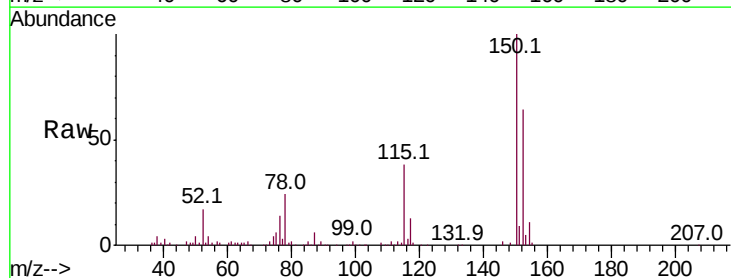


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

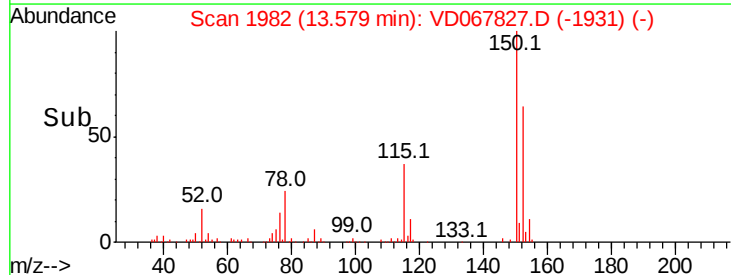
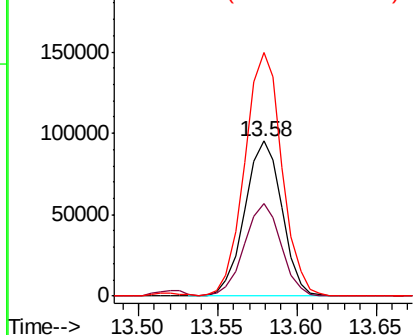


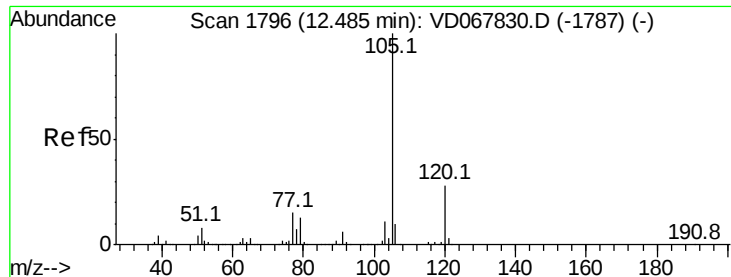
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Tgt Ion:152 Resp: 155494
Ion Ratio Lower Upper
152 100
115 58.8 29.1 87.4
150 157.2 0.0 339.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.882 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

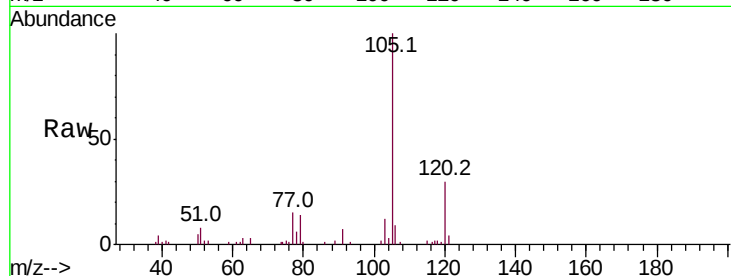
VSTDIC005

Tot Ion:105 Resp: 52204

Ion Ratio Lower Upper

105 100

120 28.2 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

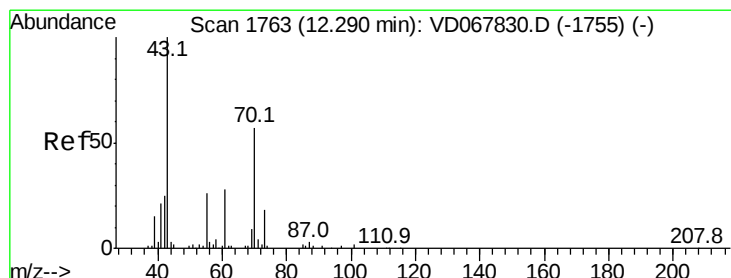
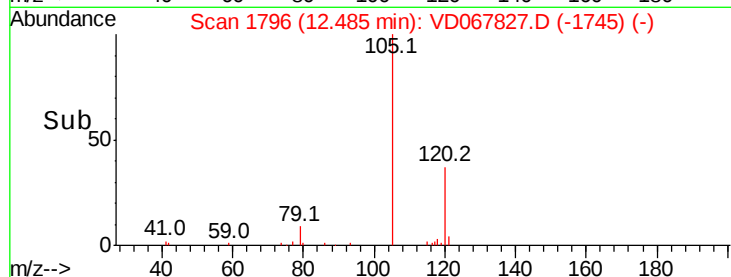
30000

20000

10000

0

Time--> 12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 4.748 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Tgt Ion: 43 Resp: 6280

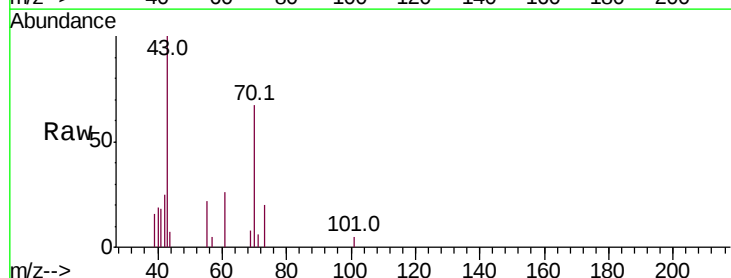
Ion Ratio Lower Upper

43 100

70 58.4 44.6 66.8

55 29.1 22.2 33.2

61 29.1 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

6000

5000

4000

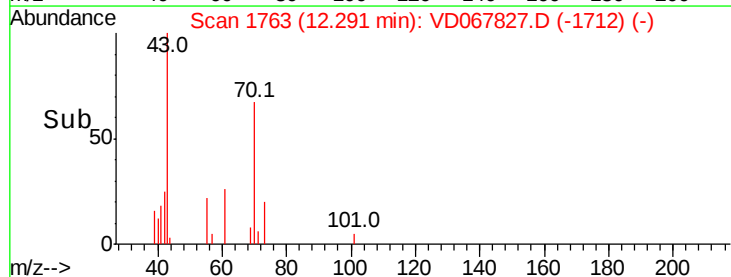
3000

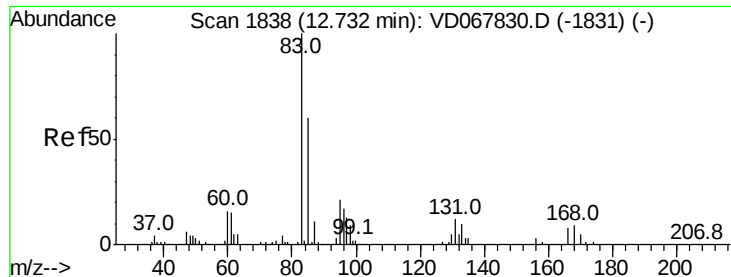
2000

1000

0

Time--> 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 5.516 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

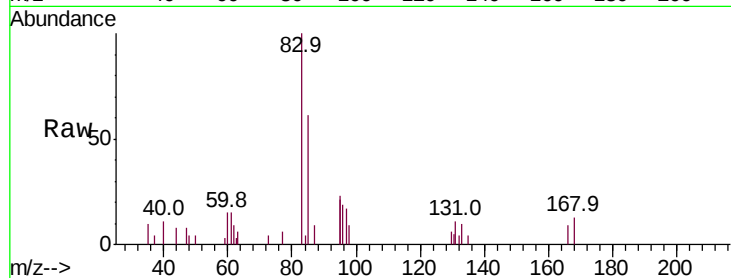
Tot Ion: 83 Resp: 7787

Ion Ratio Lower Upper

83 100

131 15.9 8.0 24.0

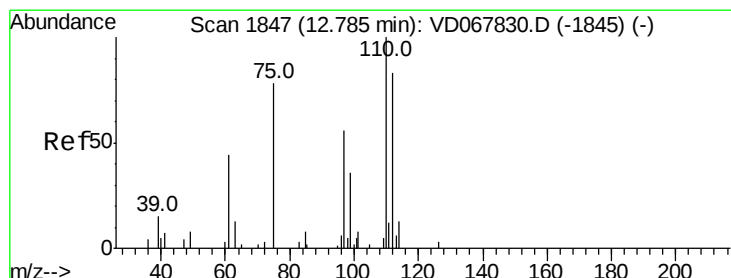
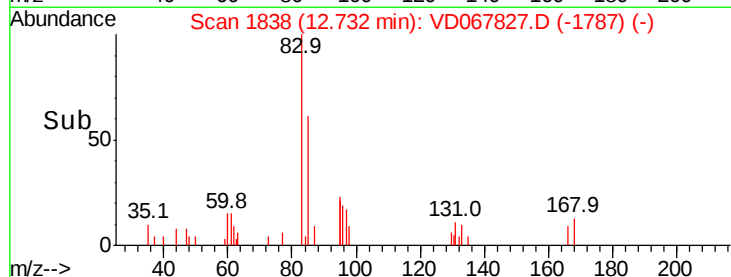
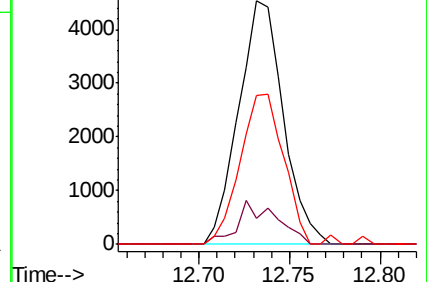
85 59.8 31.7 95.1



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: 9.708 ug/l

RT: 12.78 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VD067827.D

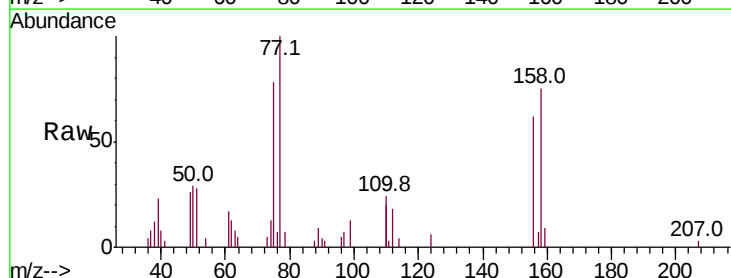
Acq: 01 Dec 2020 10:34

Tgt Ion: 75 Resp: 11226

Ion Ratio Lower Upper

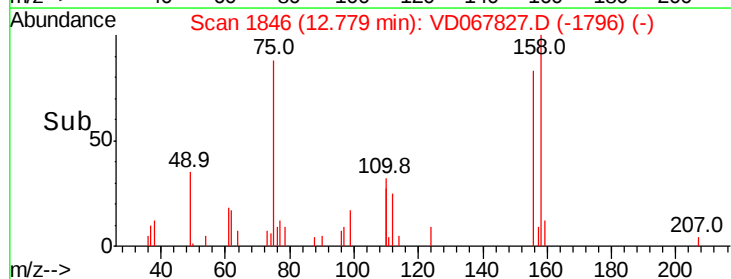
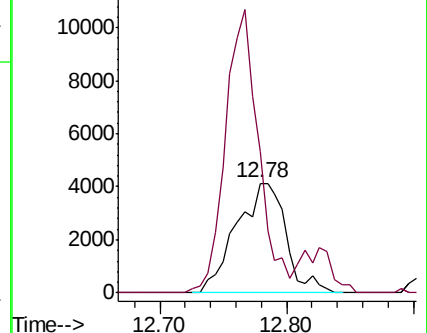
75 100

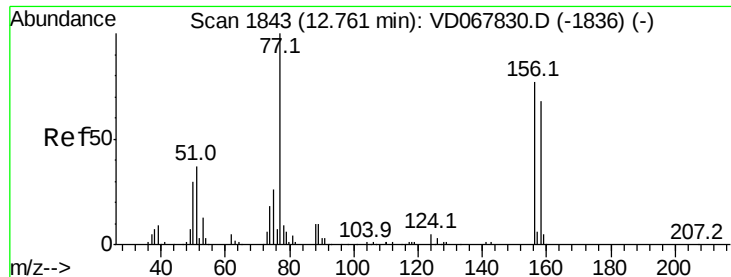
77 172.7 175.9 527.7#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 4.917 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

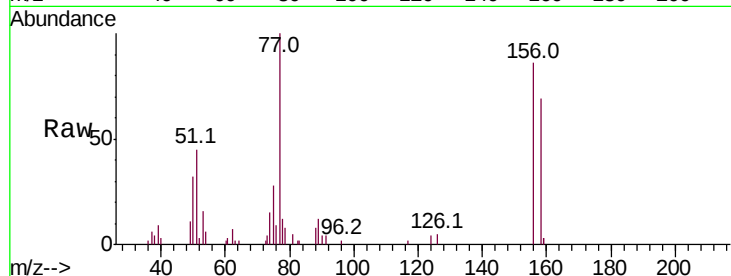
Tot Ion:156 Resp: 13072

Ion Ratio Lower Upper

156 100

77 148.3 71.5 214.5

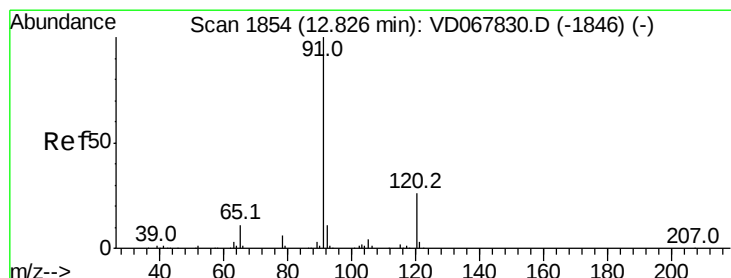
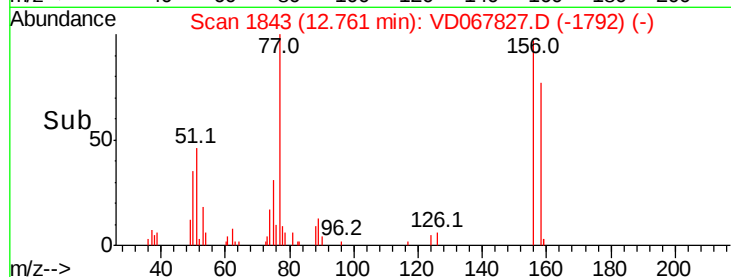
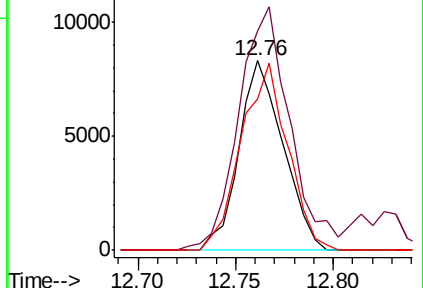
158 103.8 47.1 141.4



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: 4.803 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067827.D

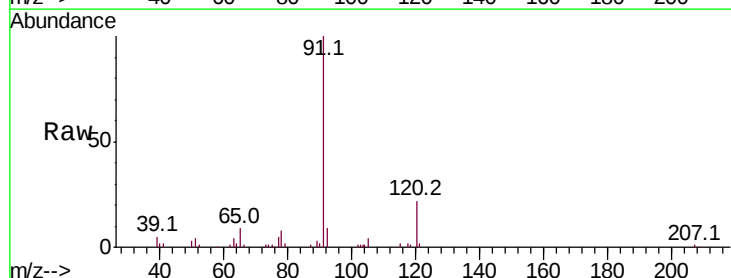
Acq: 01 Dec 2020 10:34

Tgt Ion: 91 Resp: 56921

Ion Ratio Lower Upper

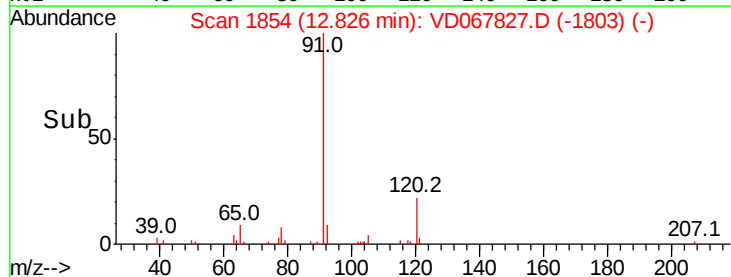
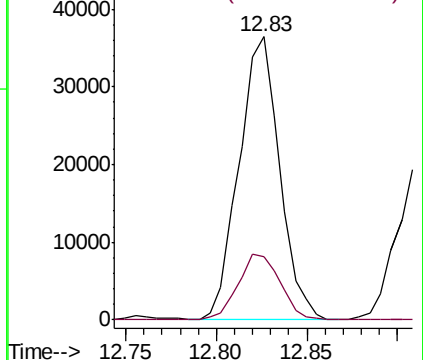
91 100

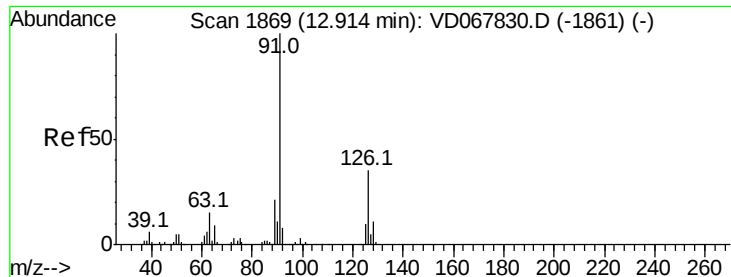
120 23.9 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.902 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.01 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

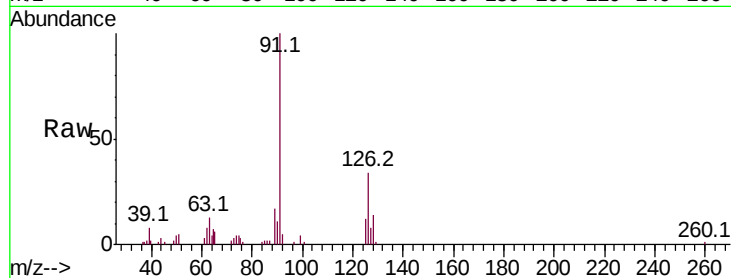
VSTDIC005

Tot Ion: 91 Resp: 34176

Ion Ratio Lower Upper

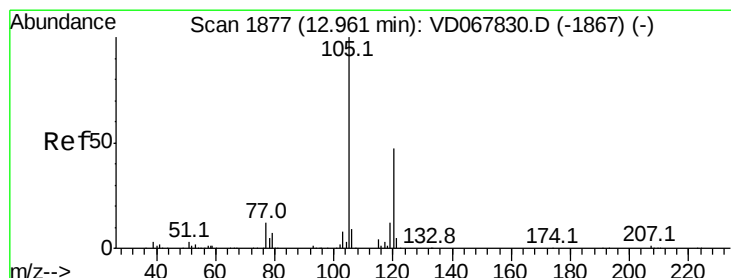
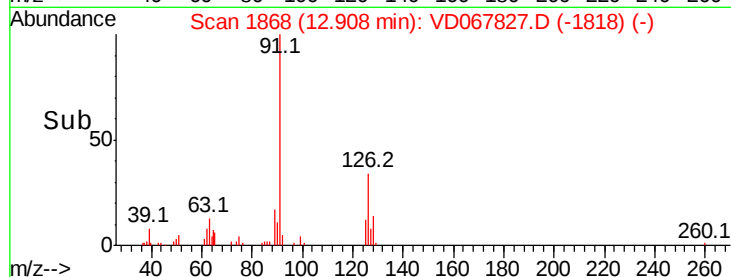
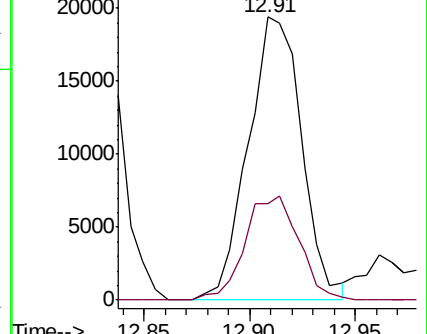
91 100

126 37.0 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 4.536 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD067827.D

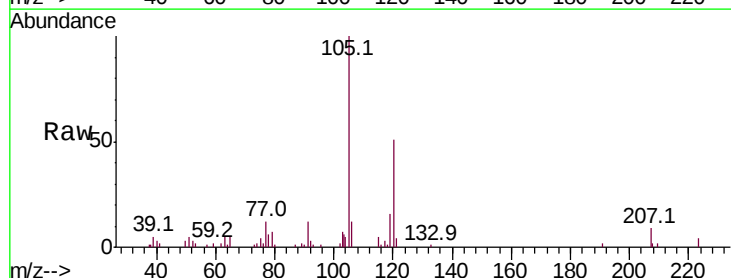
Acq: 01 Dec 2020 10:34

Tgt Ion: 105 Resp: 41994

Ion Ratio Lower Upper

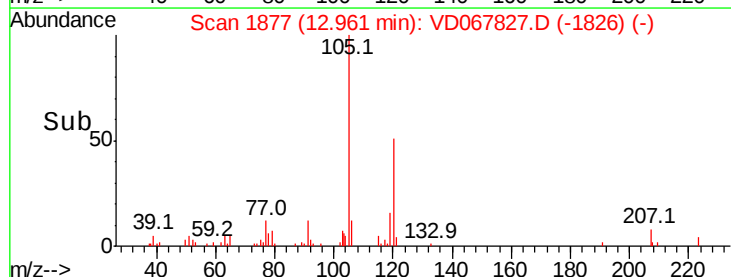
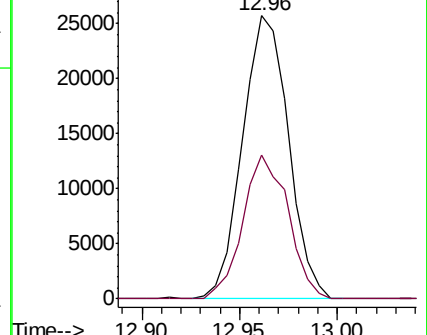
105 100

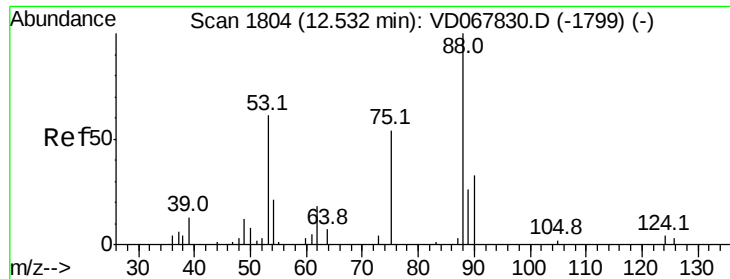
120 49.9 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 5.021 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

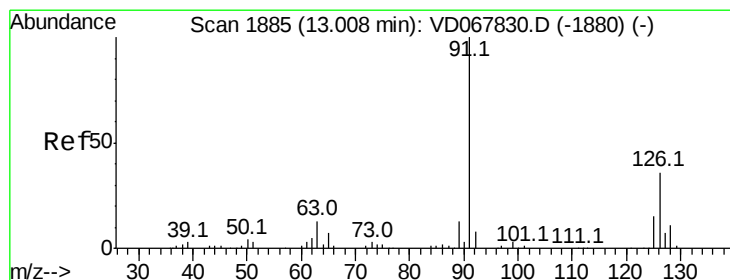
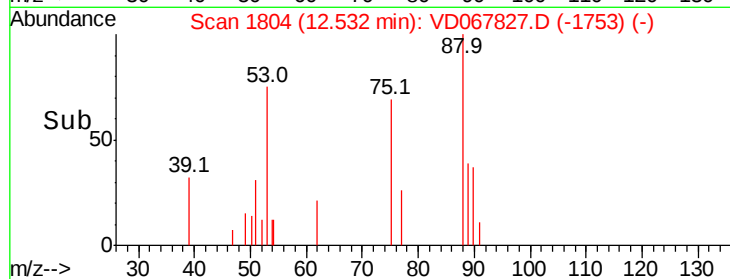
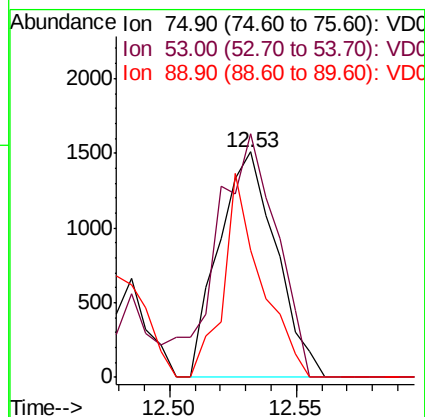
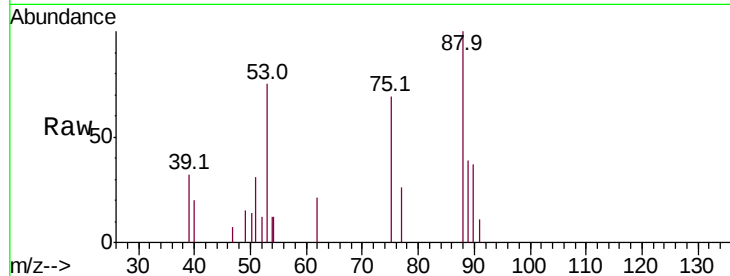
Tot Ion: 75 Resp: 2377

Ion Ratio Lower Upper

75 100

53 114.0 84.6 127.0

89 58.9 41.0 61.6



#82

4-Chlorotoluene

Concen: 4.789 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067827.D

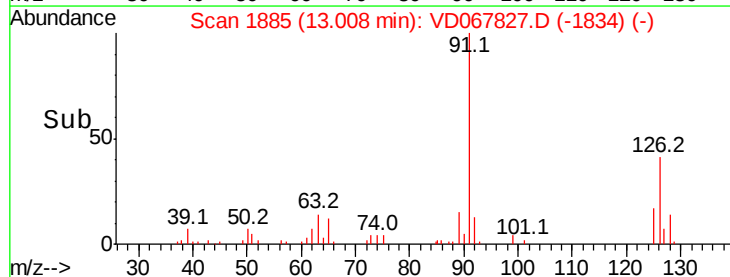
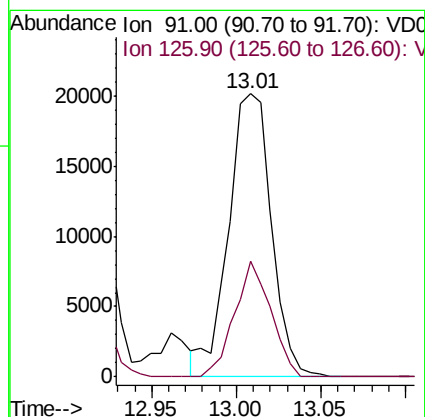
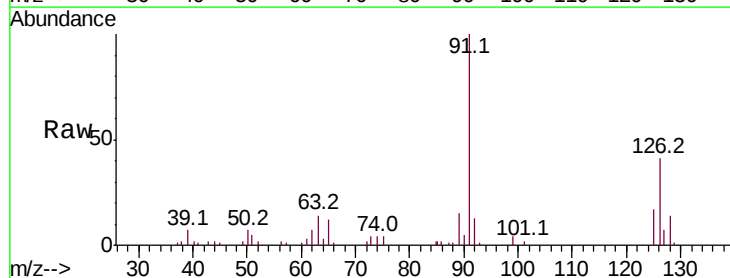
Acq: 01 Dec 2020 10:34

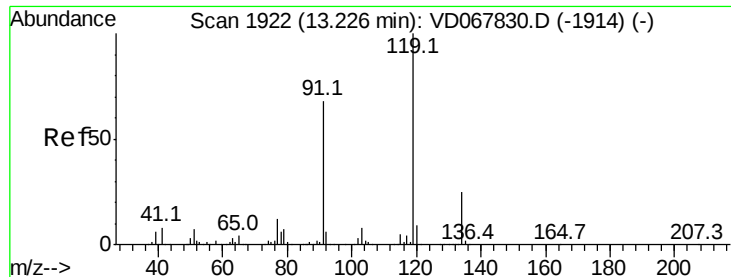
Tgt Ion: 91 Resp: 35618

Ion Ratio Lower Upper

91 100

126 34.5 18.1 54.4





#83

tert-Butylbenzene

Concen: 4.790 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

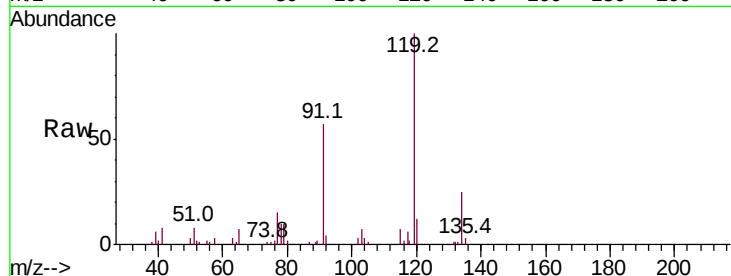
Tot Ion:119 Resp: 37736

Ion Ratio Lower Upper

119 100

91 63.1 33.1 99.3

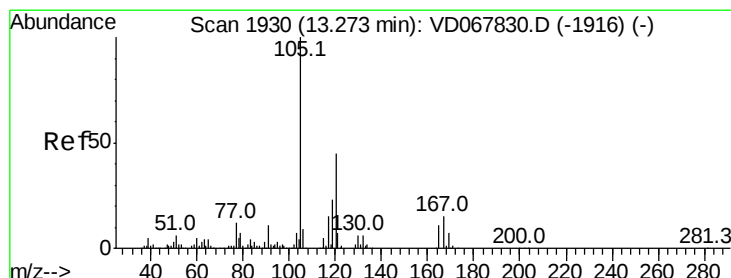
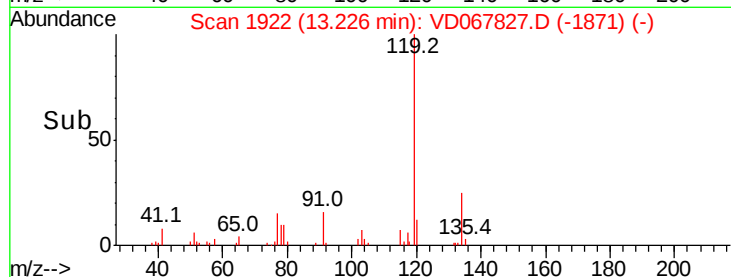
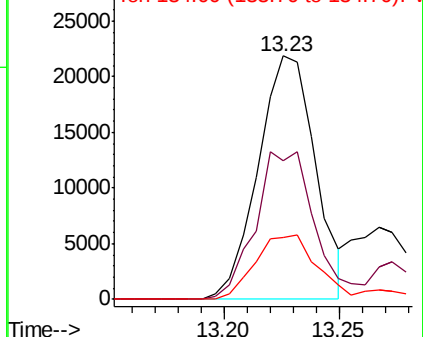
134 28.9 13.6 40.8



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: 4.680 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD067827.D

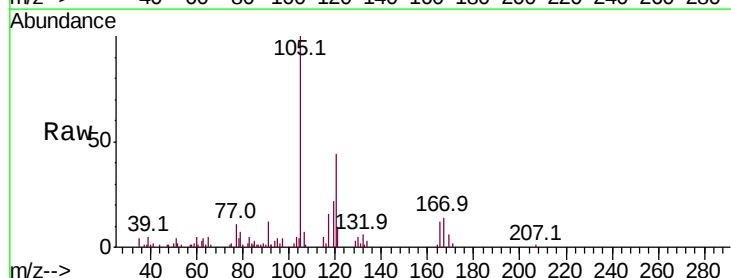
Acq: 01 Dec 2020 10:34

Tgt Ion:105 Resp: 43083

Ion Ratio Lower Upper

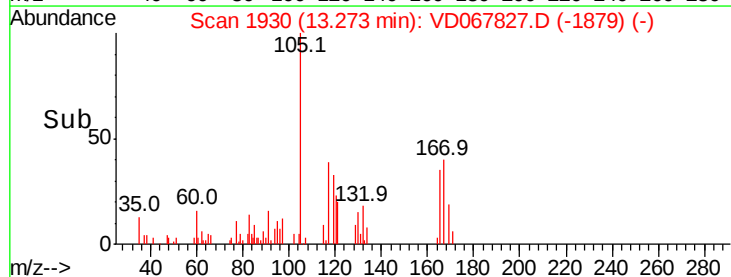
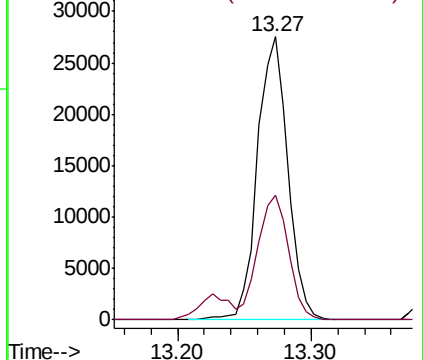
105 100

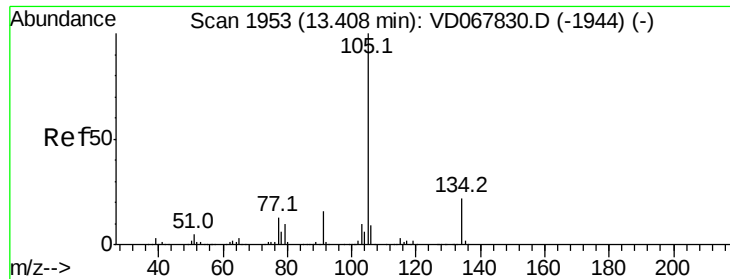
120 45.1 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 4.898 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

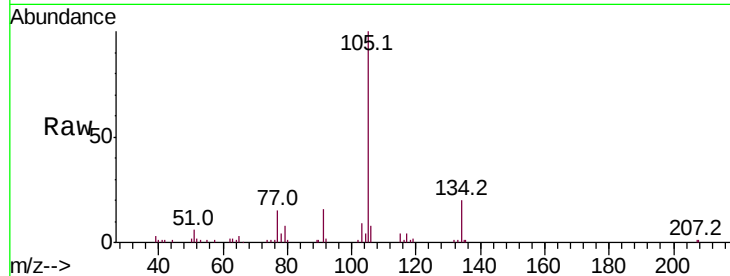
VSTDIC005

Tot Ion:105 Resp: 51508

Ion Ratio Lower Upper

105 100

134 21.6 10.9 32.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.40

30000

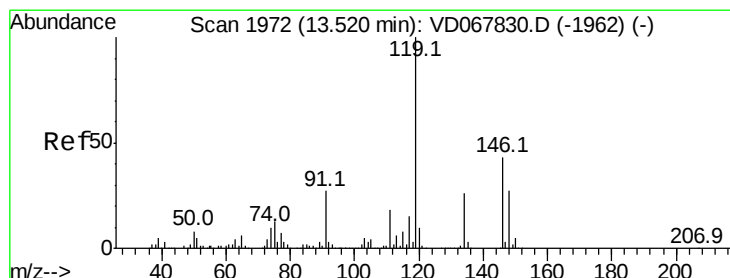
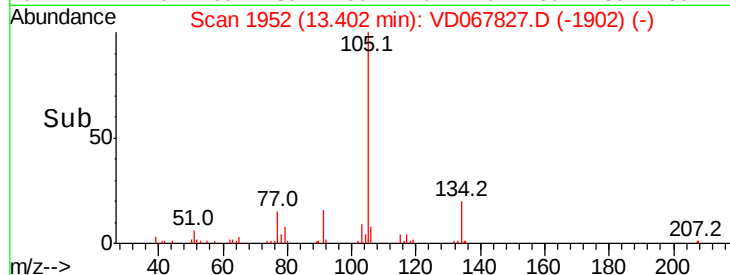
20000

10000

0

Time-->

13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 4.801 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

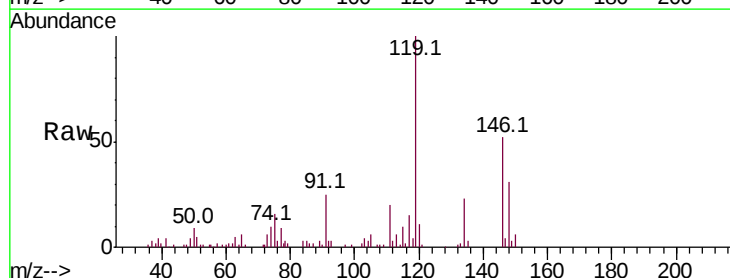
Tgt Ion:119 Resp: 49478

Ion Ratio Lower Upper

119 100

134 25.4 13.1 39.3

91 23.6 12.8 38.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

40000

30000

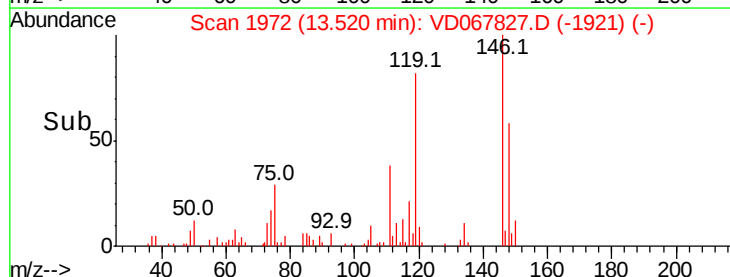
20000

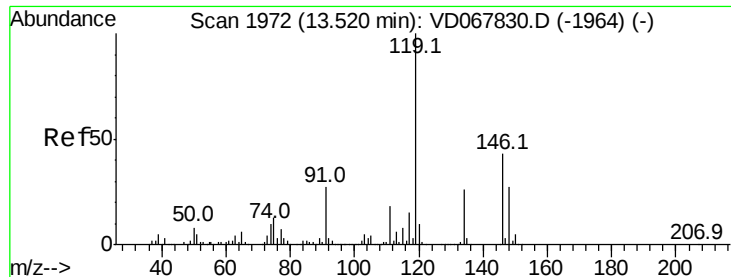
10000

0

Time-->

13.45 13.50 13.55

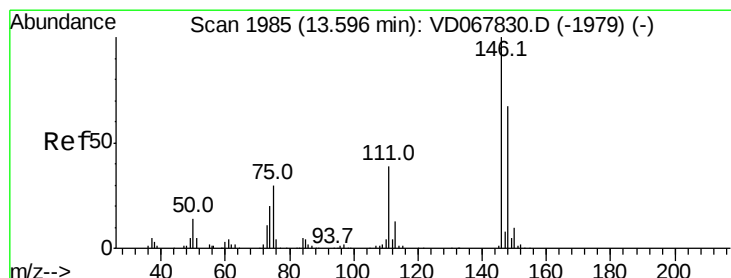
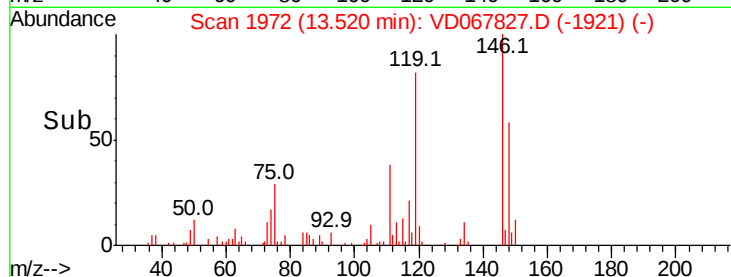
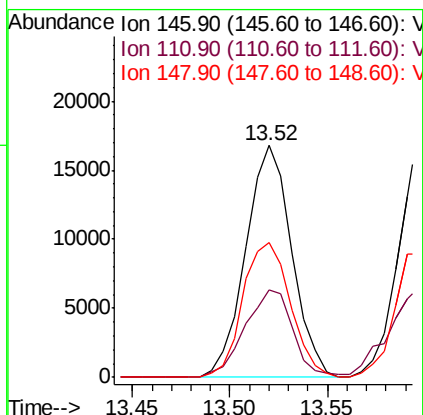
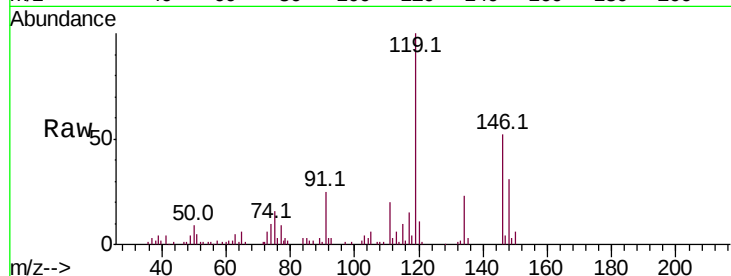




#87
 1,3-Dichlorobenzene
 Concen: 5.339 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067827.D
 Acq: 01 Dec 2020 10:34

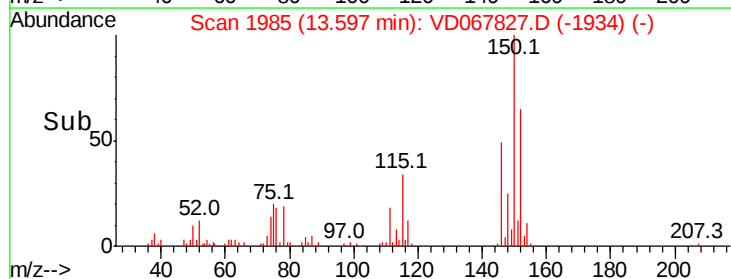
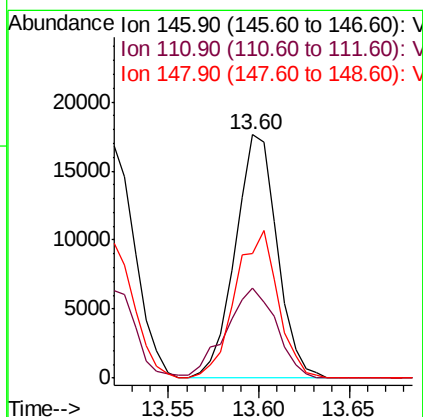
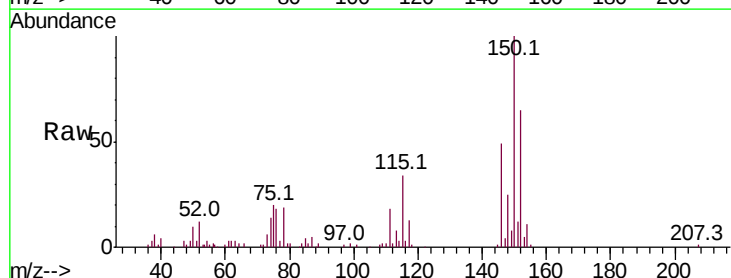
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

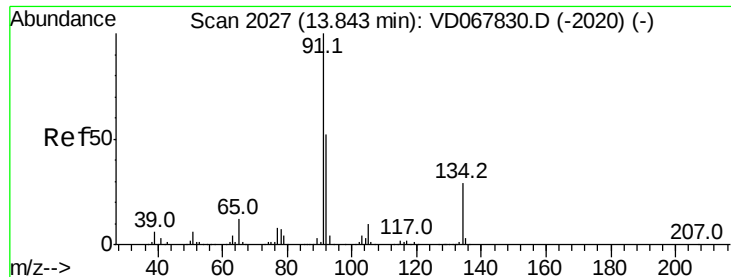
Tot Ion:146 Resp: 27381
 Ion Ratio Lower Upper
 146 100
 111 39.4 20.8 62.2
 148 60.0 32.9 98.6



#88
 1,4-Dichlorobenzene
 Concen: 5.527 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD067827.D
 Acq: 01 Dec 2020 10:34

Tgt Ion:146 Resp: 28354
 Ion Ratio Lower Upper
 146 100
 111 44.5 19.9 59.6
 148 61.7 32.4 97.2

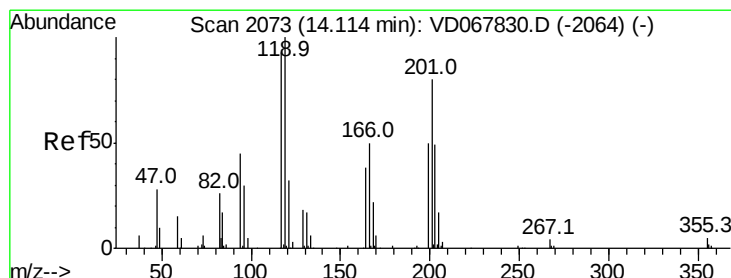
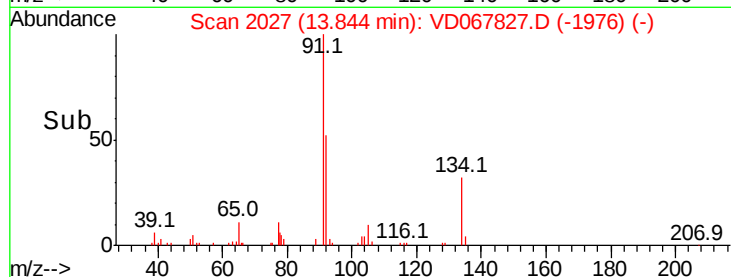
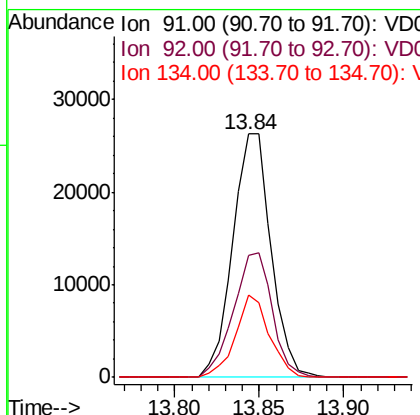
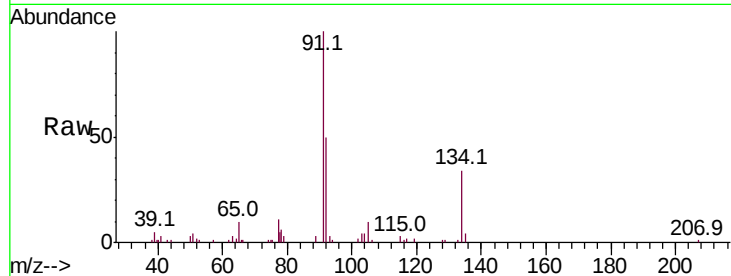




#89
n-Butylbenzene
Concen: 4.843 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

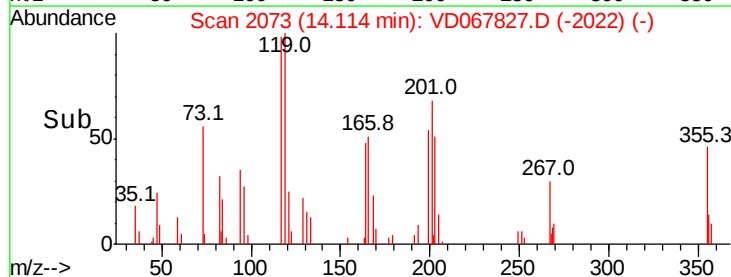
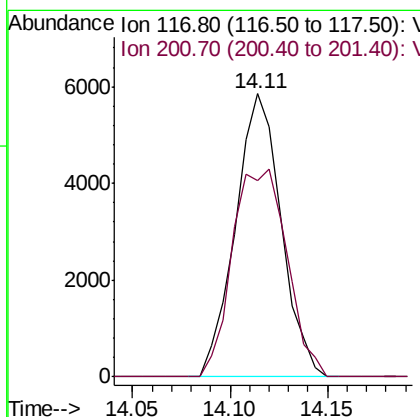
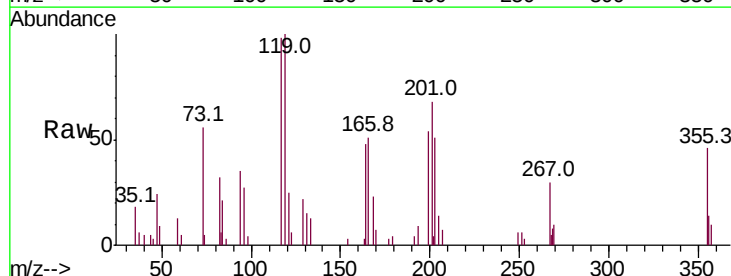
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

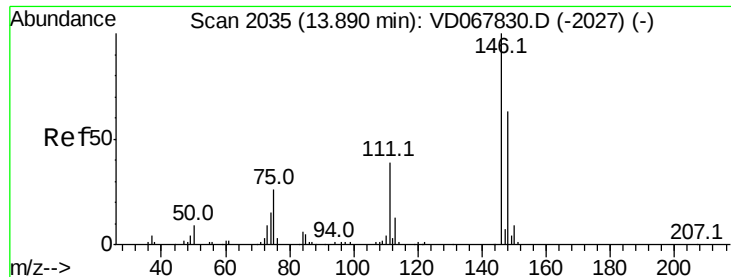
Tot Ion: 91 Resp: 41468
Ion Ratio Lower Upper
91 100
92 51.9 26.3 78.8
134 30.0 14.8 44.3



#90
Hexachloroethane
Concen: 4.980 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Tgt Ion: 117 Resp: 9475
Ion Ratio Lower Upper
117 100
201 87.8 43.9 131.6





#91

1,2-Dichlorobenzene

Concen: 5.320 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

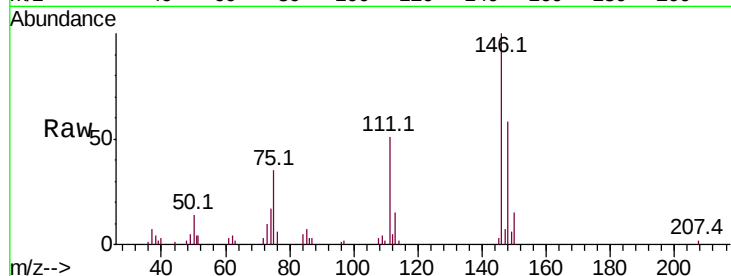
Tot Ion:146 Resp: 23660

Ion Ratio Lower Upper

146 100

111 43.7 20.4 61.2

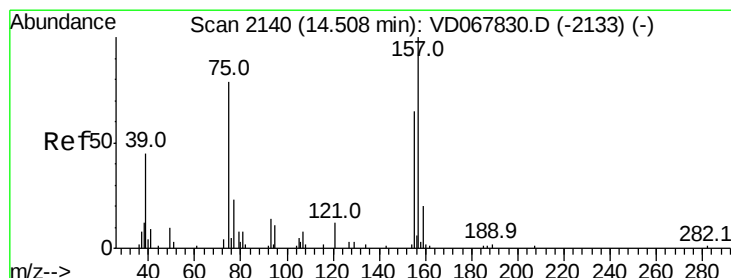
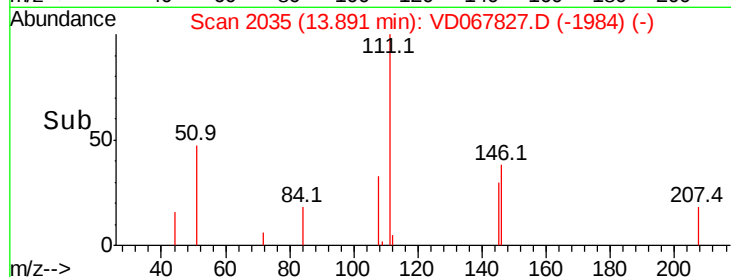
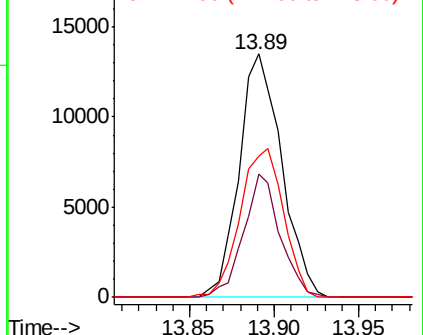
148 62.5 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.037 ug/l

RT: 14.50 min Scan# 2138

Delta R.T. -0.01 min

Lab File: VD067827.D

Acq: 01 Dec 2020 10:34

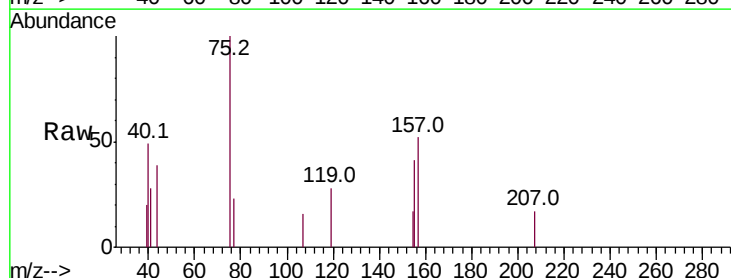
Tgt Ion: 75 Resp: 1484

Ion Ratio Lower Upper

75 100

155 118.5 44.1 132.4

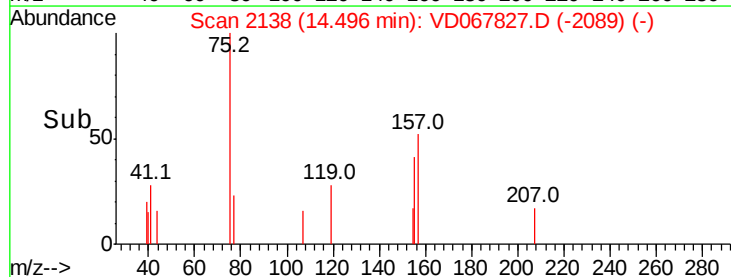
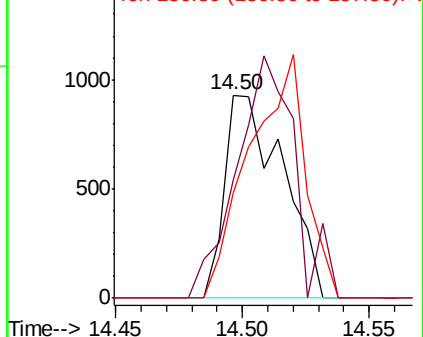
157 0.0 62.4 187.2#

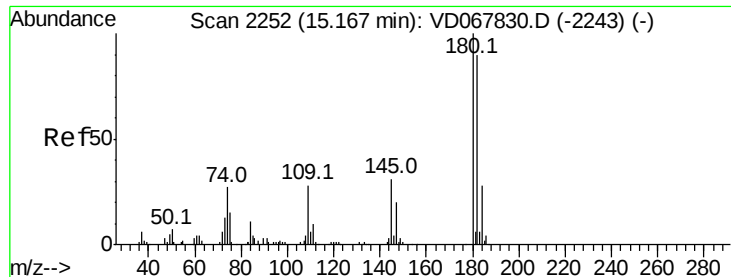


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

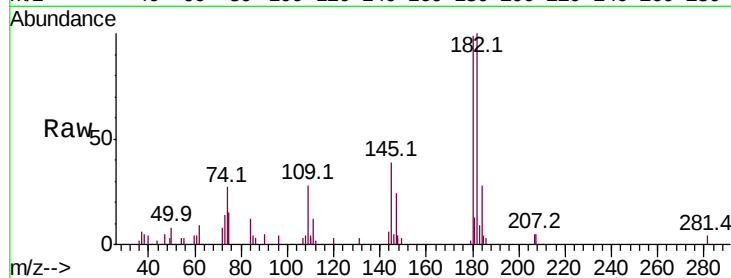




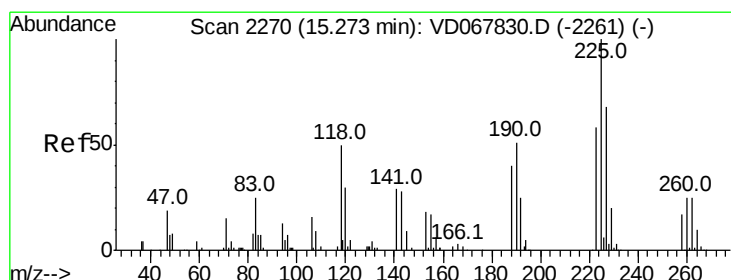
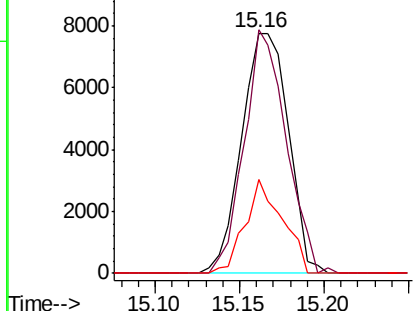
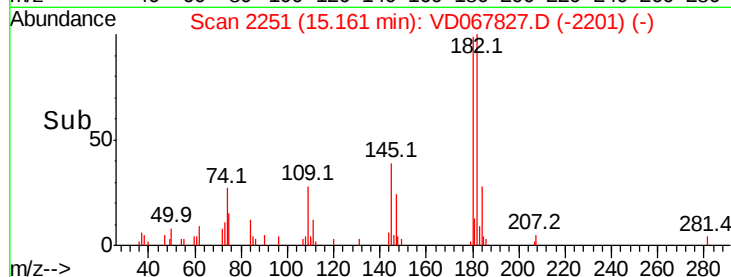
#93
 1,2,4-Trichlorobenzene
 Concen: 4.800 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.01 min
 Lab File: VD067827.D
 Acq: 01 Dec 2020 10:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:180 Resp: 14933
 Ion Ratio Lower Upper
 180 100
 182 91.1 47.5 142.6
 145 31.3 16.4 49.4

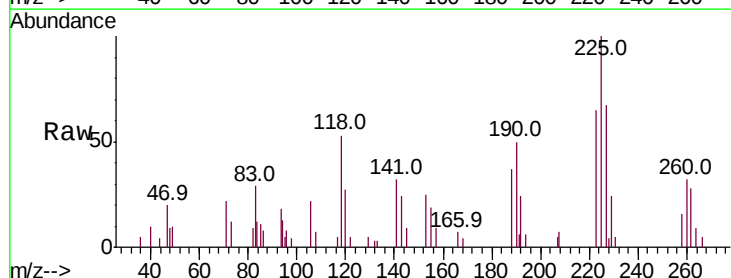


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

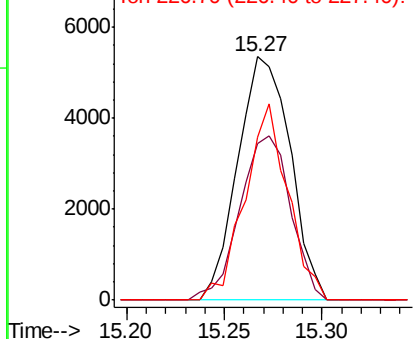
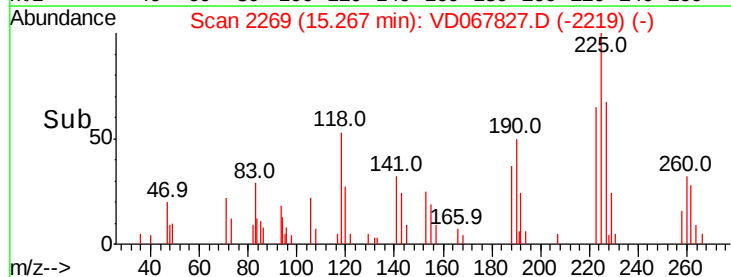


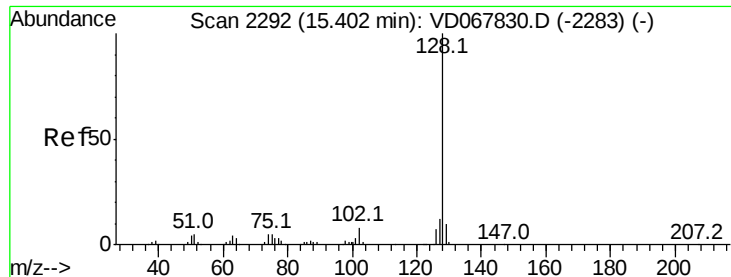
#94
 Hexachlorobutadiene
 Concen: 4.920 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VD067827.D
 Acq: 01 Dec 2020 10:34

Tgt Ion:225 Resp: 9988
 Ion Ratio Lower Upper
 225 100
 223 65.1 31.1 93.3
 227 66.2 33.1 99.3



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

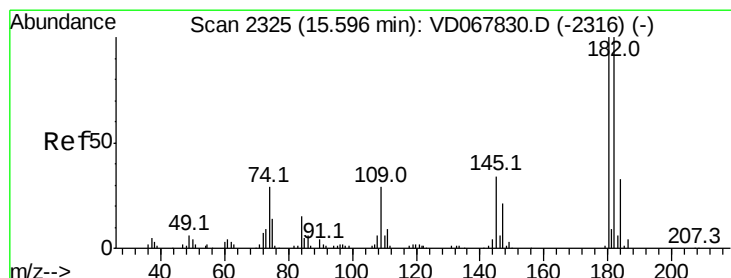
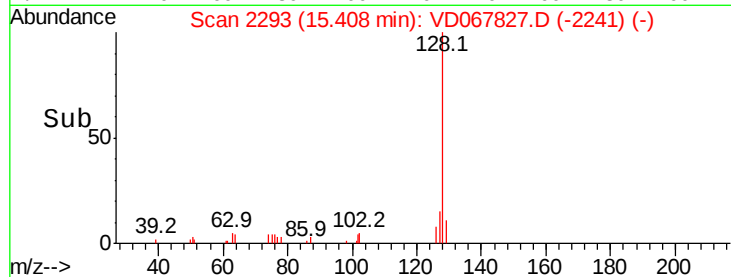
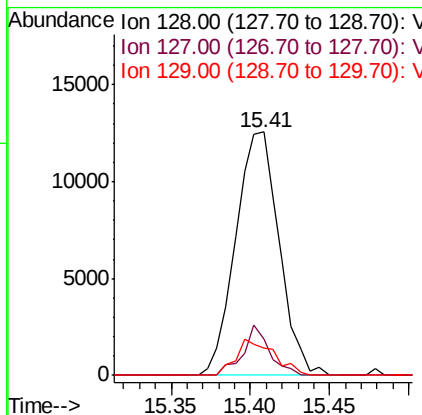
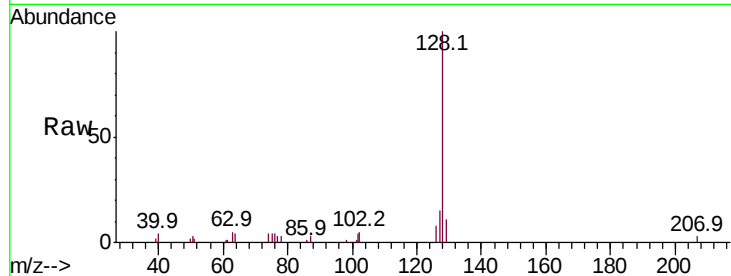




#95
Naphthalene
Concen: 4.708 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 23835
Ion Ratio Lower Upper
128 100
127 12.4 10.6 15.8
129 13.0 9.0 13.6



#96
1,2,3-Trichlorobenzene
Concen: 4.961 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VD067827.D
Acq: 01 Dec 2020 10:34

Tgt Ion:180 Resp: 13330
Ion Ratio Lower Upper
180 100
182 102.8 47.3 142.0
145 29.1 16.8 50.4

