

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120720\
 Data File : VD067891.D
 Acq On : 07 Dec 2020 11:15
 Operator : VA/SY
 Sample : VD1207SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Quant Time: Dec 08 03:12:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	197302	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	280234	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	260777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	136572	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	100379	47.39	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.78%
35) Dibromofluoromethane	7.91	113	89587	47.78	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.56%
50) Toluene-d8	10.34	98	329835	48.86	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.72%
62) 4-Bromofluorobenzene	12.64	95	117822	50.49	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.98%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	33849	19.713	ug/l 97
3) Chloromethane	2.21	50	18878	19.050	ug/l 96
4) Vinyl Chloride	2.35	62	22848	18.307	ug/l # 85
5) Bromomethane	2.77	94	25980	23.319	ug/l 92
6) Chloroethane	2.93	64	16165	19.894	ug/l # 82
7) Trichlorofluoromethane	3.27	101	77017	20.167	ug/l 95
8) Diethyl Ether	3.70	74	13624	18.303	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	34669	19.908	ug/l 98
10) Methyl Iodide	4.31	142	30294	16.412	ug/l 98
11) Tert butyl alcohol	5.22	59	10303	48.310	ug/l # 79
12) 1,1-Dichloroethene	4.07	96	32369	19.798	ug/l 96
13) Acrolein	3.91	56	6057	74.414	ug/l 96
14) Allyl chloride	4.73	41	27784	18.370	ug/l 90
15) Acrylonitrile	5.43	53	22652	87.766	ug/l 99
16) Acetone	4.16	43	21620	82.603	ug/l 96
17) Carbon Disulfide	4.41	76	86214	18.887	ug/l 96
18) Methyl Acetate	4.71	43	9280	18.433	ug/l 98
19) Methyl tert-butyl Ether	5.47	73	68042	19.436	ug/l 98
20) Methylene Chloride	4.97	84	37581	19.675	ug/l 96
21) trans-1,2-Dichloroethene	5.47	96	37039	19.909	ug/l 98
22) Diisopropyl ether	6.36	45	58419	19.204	ug/l 89
23) Vinyl Acetate	6.31	43	158378	93.586	ug/l 100
24) 1,1-Dichloroethane	6.26	63	53163	19.936	ug/l 100
25) 2-Butanone	7.21	43	23436	85.131	ug/l 93
26) 2,2-Dichloropropane	7.21	77	65411	20.570	ug/l 100
27) cis-1,2-Dichloroethene	7.22	96	40573	19.939	ug/l 96
28) Bromochloromethane	7.56	49	15945	18.833	ug/l 97
29) Tetrahydrofuran	7.57	42	13712	87.478	ug/l 91
30) Chloroform	7.71	83	72283	20.283	ug/l 93
31) Cyclohexane	7.99	56	41035	18.388	ug/l # 93
32) 1,1,1-Trichloroethane	7.90	97	80719	21.457	ug/l 97
36) 1,1-Dichloropropene	8.11	75	49403	20.364	ug/l 99
37) Ethyl Acetate	7.30	43	11299	17.281	ug/l 97
38) Carbon Tetrachloride	8.10	117	75614	20.600	ug/l # 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	56797	19.756	ug/l	95
40) Benzene	8.35	78	135184	20.365	ug/l	99
41) Methacrylonitrile	7.53	41	7501	21.617	ug/l #	71
42) 1,2-Dichloroethane	8.43	62	49404	20.882	ug/l	97
43) Isopropyl Acetate	8.46	43	23149	17.994	ug/l #	59
44) Trichloroethene	9.11	130	45309	19.852	ug/l	93
45) 1,2-Dichloropropane	9.39	63	26606	19.528	ug/l	96
46) Dibromomethane	9.48	93	18034	19.038	ug/l	98
47) Bromodichloromethane	9.67	83	54928	20.340	ug/l	90
48) Methyl methacrylate	9.46	41	12183	18.650	ug/l	90
49) 1,4-Dioxane	9.47	88	3417	315.687	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	51703	84.915	ug/l	99
52) Toluene	10.41	92	95985	20.682	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	46481	19.942	ug/l	89
54) cis-1,3-Dichloropropene	10.10	75	52615	20.752	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	25131	19.386	ug/l	98
56) Ethyl methacrylate	10.66	69	23227	17.610	ug/l	94
57) 1,3-Dichloropropane	10.95	76	39667	19.317	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	49092	81.796	ug/l	100
59) 2-Hexanone	10.98	43	36417	84.843	ug/l	97
60) Dibromochloromethane	11.14	129	40196	20.570	ug/l	95
61) 1,2-Dibromoethane	11.25	107	24291	19.054	ug/l	99
64) Tetrachloroethene	10.88	164	42633	20.043	ug/l	98
65) Chlorobenzene	11.67	112	111604	20.741	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	45746	20.844	ug/l	92
67) Ethyl Benzene	11.75	91	191565	20.899	ug/l	96
68) m/p-Xylenes	11.86	106	151912	42.030	ug/l	98
69) o-Xylene	12.18	106	70298	21.909	ug/l	98
70) Styrene	12.20	104	118829	21.298	ug/l	98
71) Bromoform	12.37	173	22946	19.752	ug/l #	99
73) Isopropylbenzene	12.48	105	196441	20.916	ug/l	100
74) N-amyl acetate	12.29	43	20208	17.394	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	21987	17.732	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	33948	34.134	ug/l	30
77) Bromobenzene	12.77	156	46502	19.916	ug/l	99
78) n-propylbenzene	12.83	91	217336	20.878	ug/l	99
79) 2-Chlorotoluene	12.91	91	123770	20.211	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	170847	21.010	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	7029	16.906	ug/l	96
82) 4-Chlorotoluene	13.01	91	130662	20.002	ug/l	99
83) tert-Butylbenzene	13.23	119	145295	20.997	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	173081	21.405	ug/l	98
85) sec-Butylbenzene	13.41	105	189246	20.491	ug/l	100
86) p-Isopropyltoluene	13.52	119	186728	20.629	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	93324	20.720	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	91971	20.411	ug/l	98
89) n-Butylbenzene	13.85	91	151422	20.136	ug/l	98
90) Hexachloroethane	14.12	117	32584	19.498	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	78343	20.055	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5007	19.348	ug/l	95

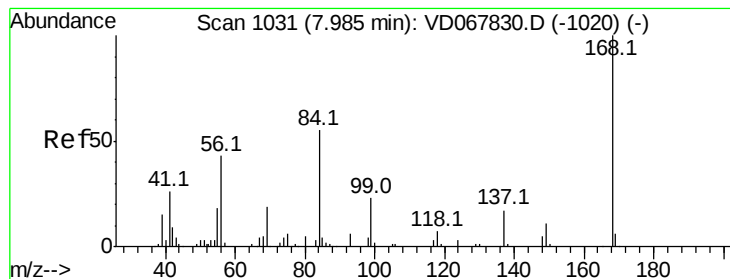
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	55909	20.461	ug/l	99
94) Hexachlorobutadiene	15.27	225	37255	20.894	ug/l	97
95) Naphthalene	15.41	128	85346	19.194	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	47057	19.941	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

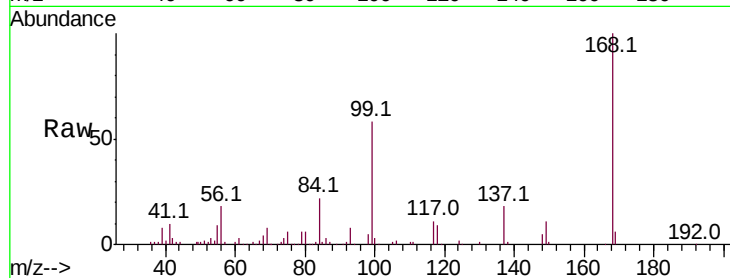
VD1207SBS01

Tot Ion:168 Resp: 197302

Ion Ratio Lower Upper

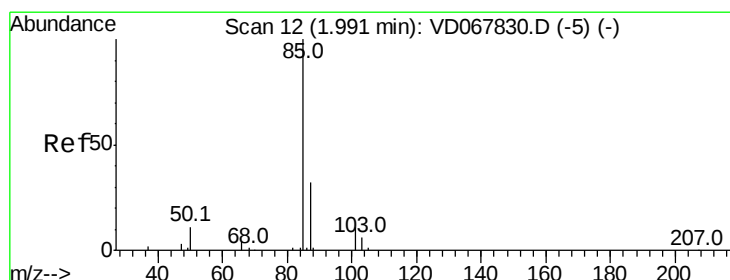
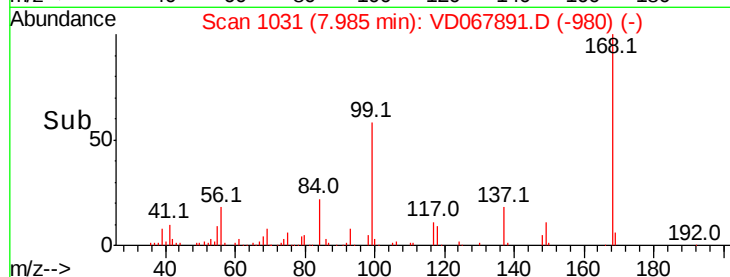
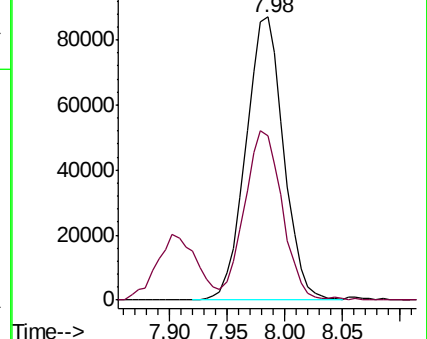
168 100

99 57.6 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: 19.713 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD067891.D

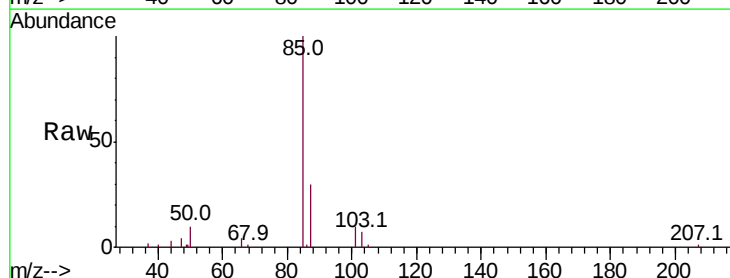
Acq: 07 Dec 2020 11:15

Tgt Ion: 85 Resp: 33849

Ion Ratio Lower Upper

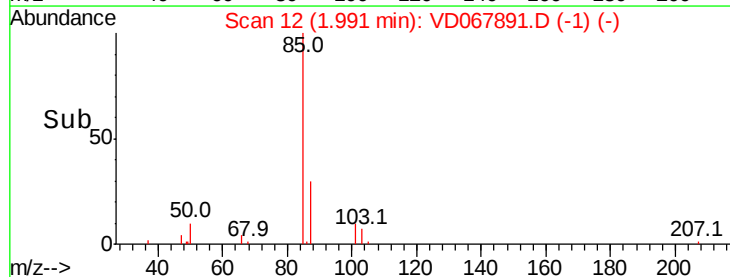
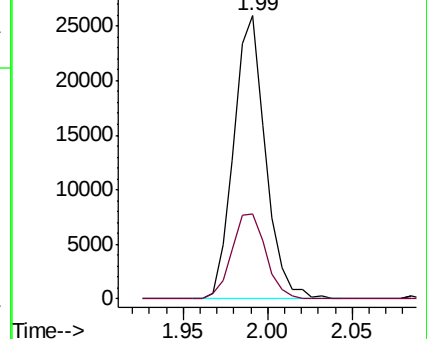
85 100

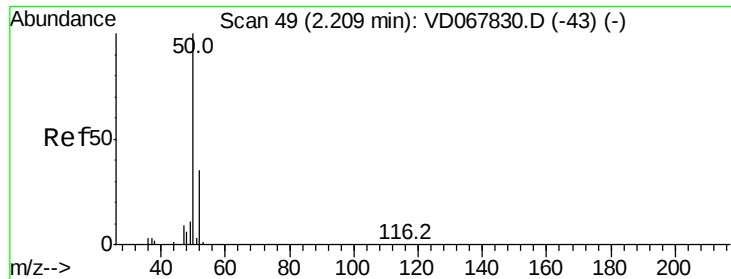
87 30.1 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.050 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

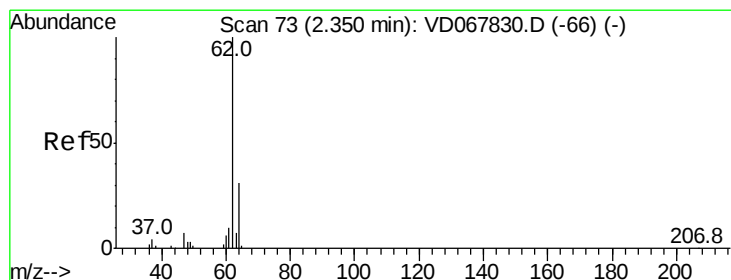
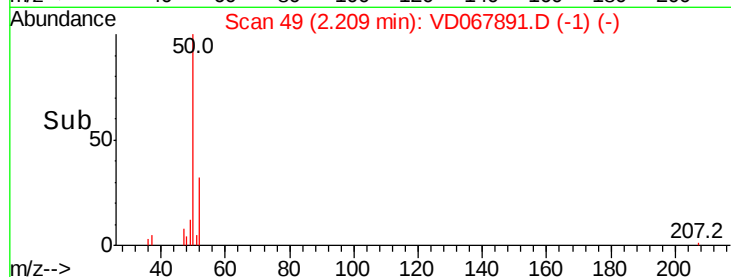
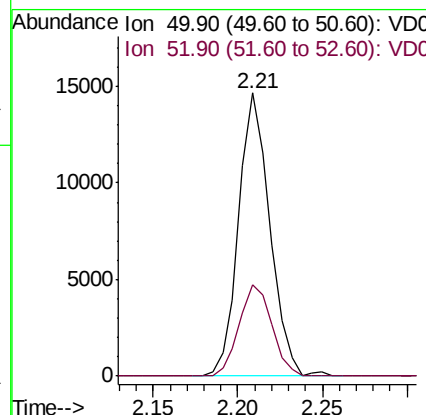
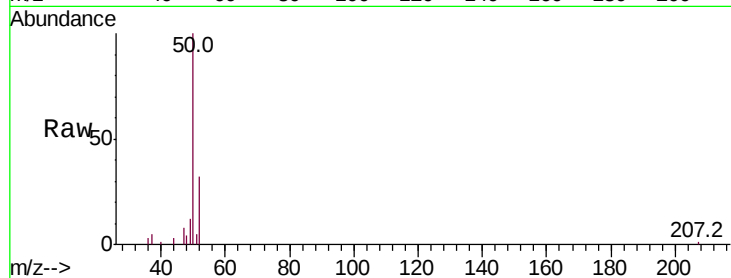
VD1207SBS01

Tot Ion: 50 Resp: 18878

Ion Ratio Lower Upper

50 100

52 32.2 27.8 41.6



#4

Vinyl Chloride

Concen: 18.307 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067891.D

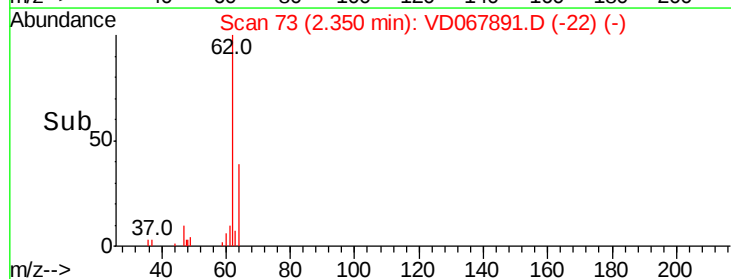
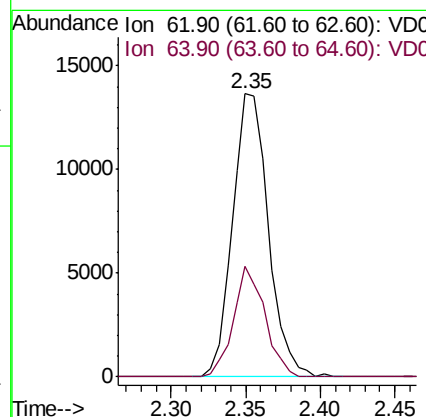
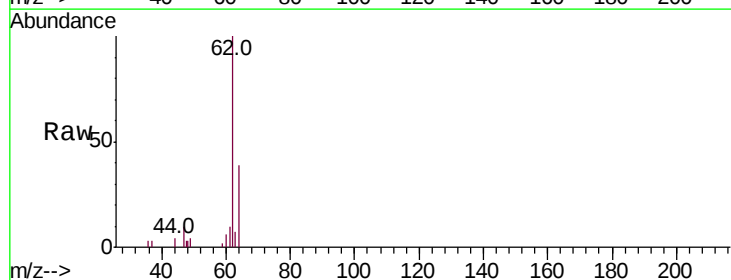
Acq: 07 Dec 2020 11:15

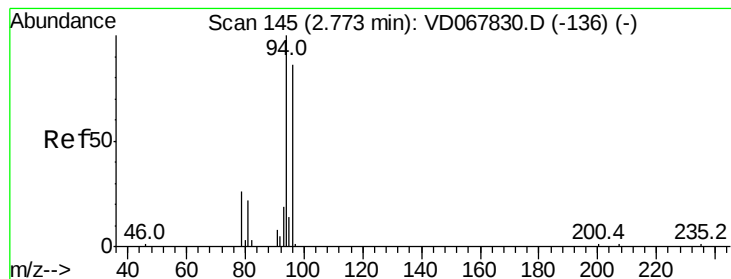
Tgt Ion: 62 Resp: 22848

Ion Ratio Lower Upper

62 100

64 39.0 24.5 36.7#





#5

Bromomethane

Concen: 23.319 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

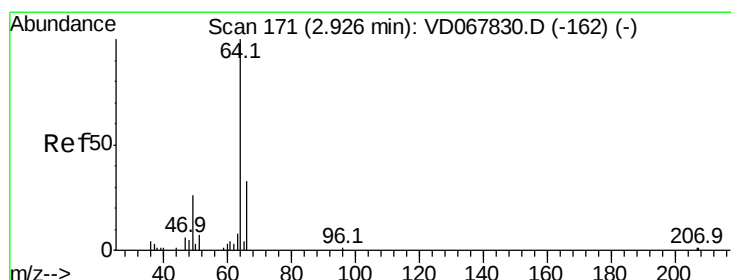
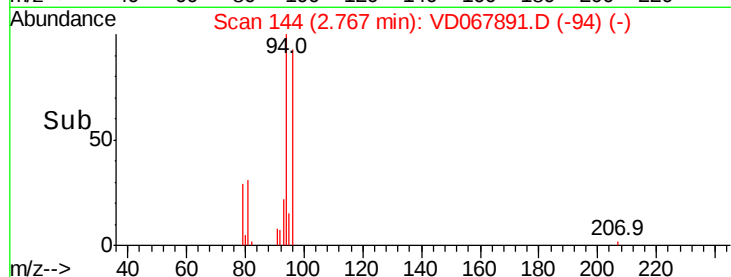
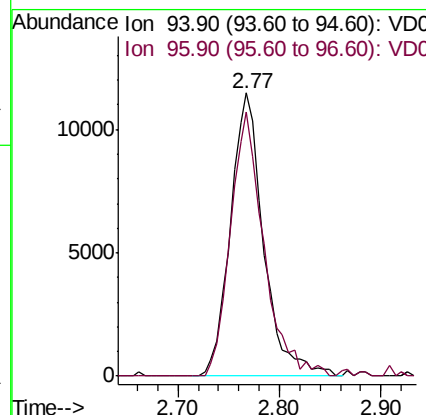
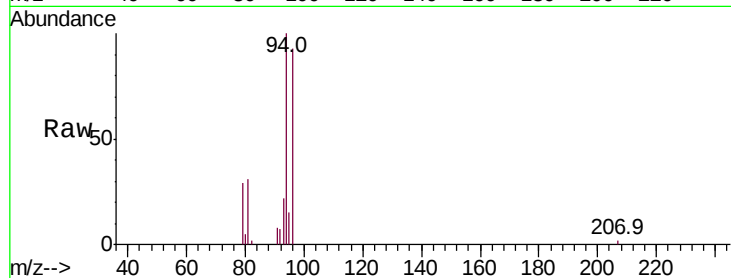
VD1207SBS01

Tot Ion: 94 Resp: 25980

Ion Ratio Lower Upper

94 100

96 93.5 68.7 103.1



#6

Chloroethane

Concen: 19.894 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD067891.D

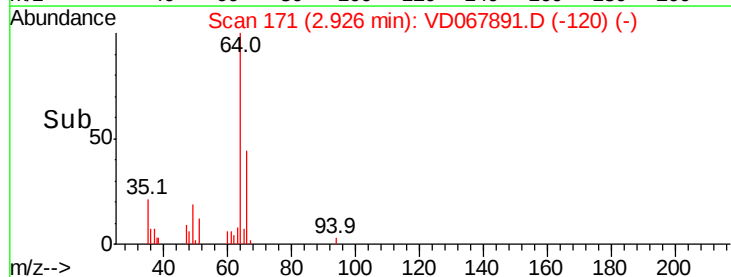
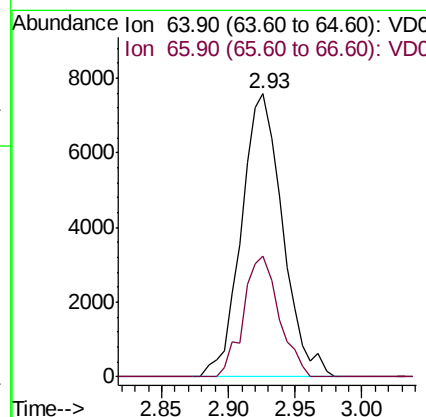
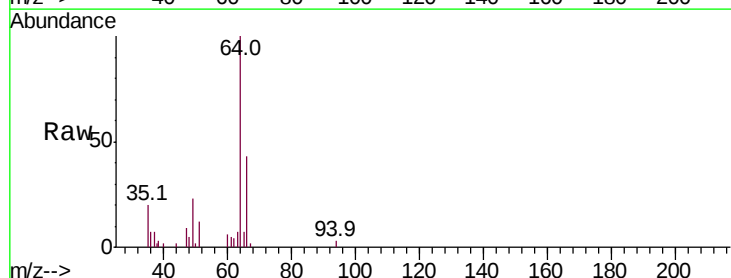
Acq: 07 Dec 2020 11:15

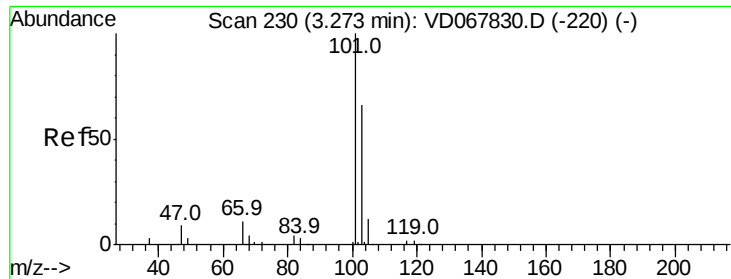
Tgt Ion: 64 Resp: 16165

Ion Ratio Lower Upper

64 100

66 42.6 26.1 39.1#



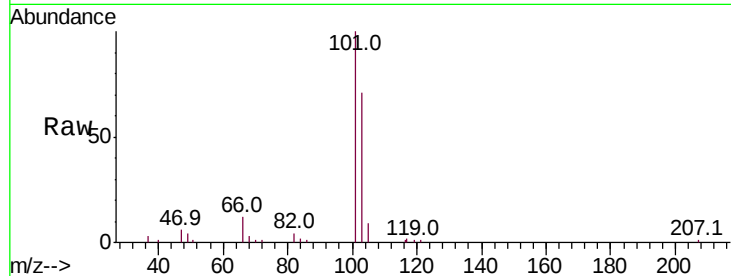


#7

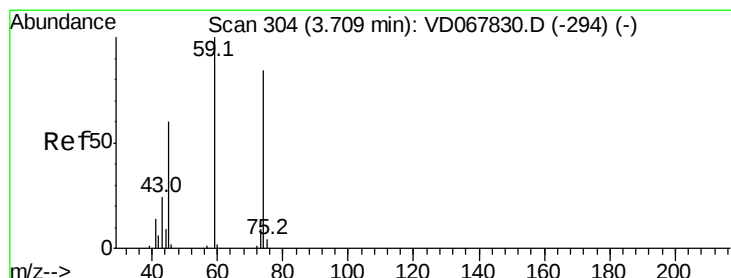
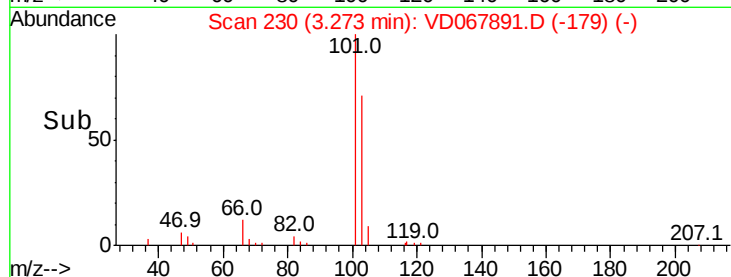
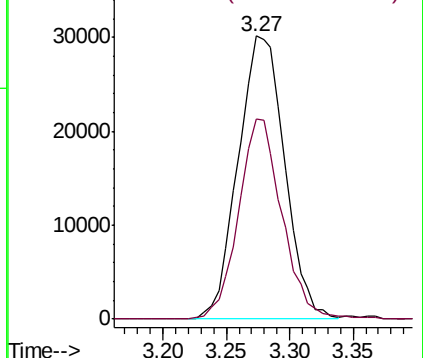
Trichlorofluoromethane
 Concen: 20.167 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD067891.D
 Acq: 07 Dec 2020 11:15

Instrument :
 MSVOA_D
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 VD1207SBS01

Tot Ion:101 Resp: 77017
 Ion Ratio Lower Upper
 101 100
 103 70.5 53.0 79.6



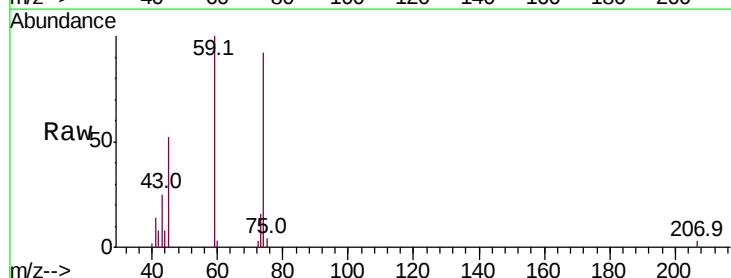
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



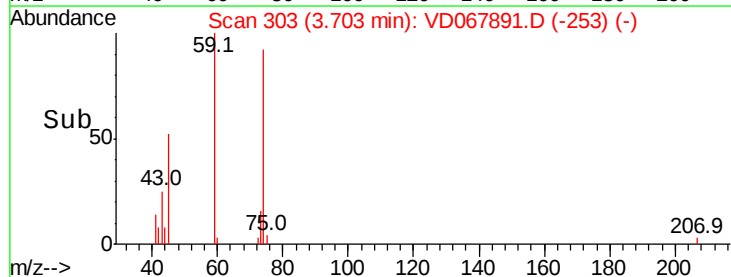
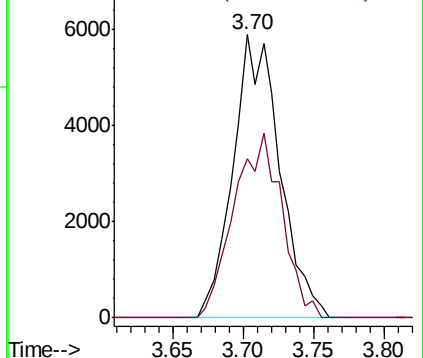
#8

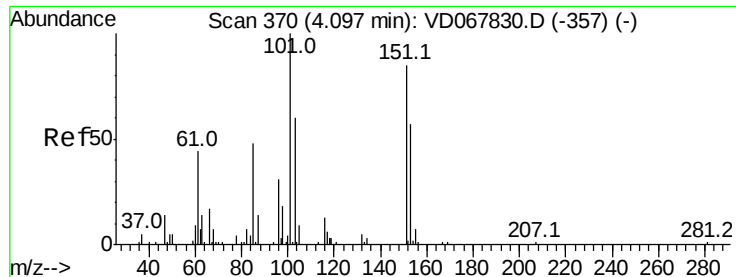
Diethyl Ether
 Concen: 18.303 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD067891.D
 Acq: 07 Dec 2020 11:15

Tgt Ion: 74 Resp: 13624
 Ion Ratio Lower Upper
 74 100
 45 66.9 33.9 101.7



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.908 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

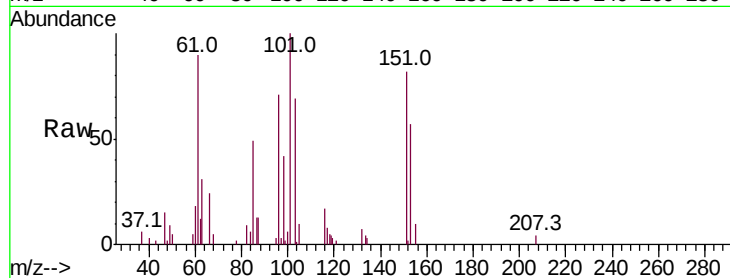
Tot Ion:101 Resp: 34669

Ion Ratio Lower Upper

101 100

85 45.6 36.2 54.4

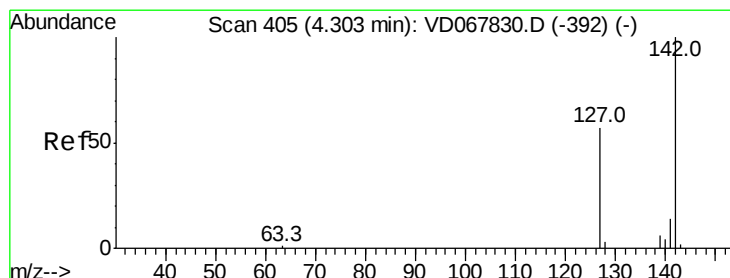
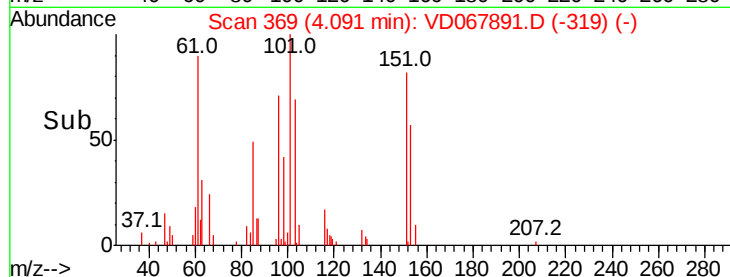
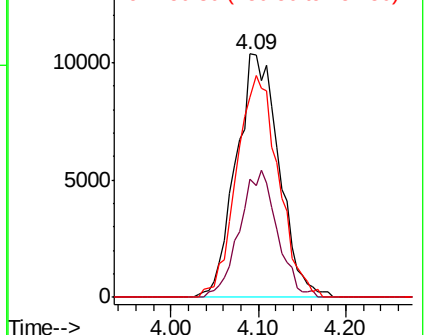
151 88.8 69.4 104.2



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: 16.412 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

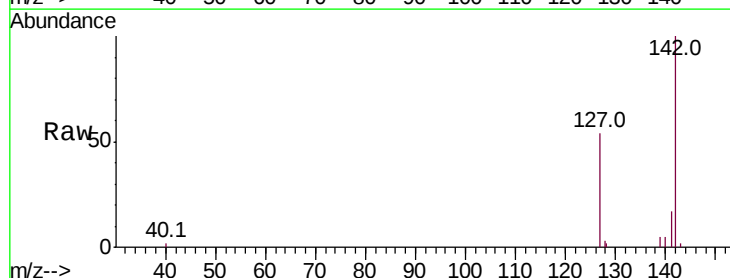
Tgt Ion:142 Resp: 30294

Ion Ratio Lower Upper

142 100

127 56.2 43.9 65.9

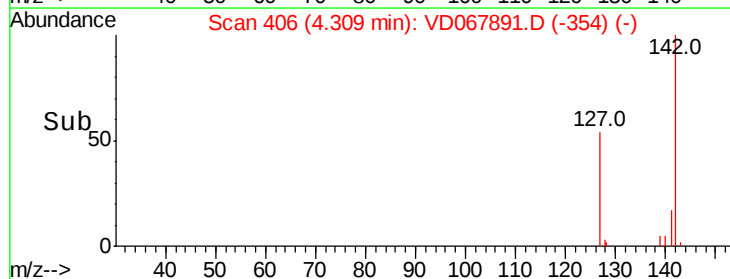
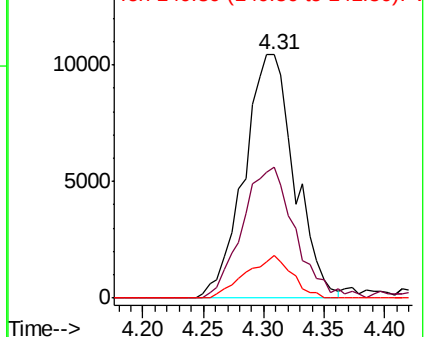
141 15.9 12.2 18.2

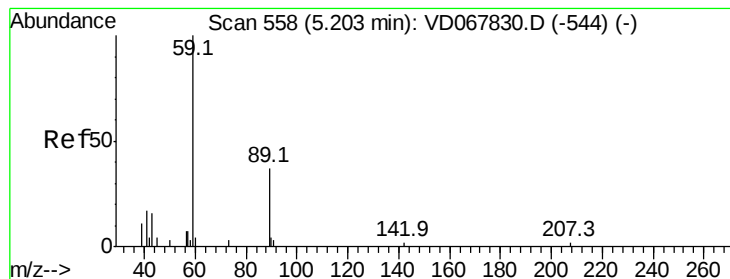


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



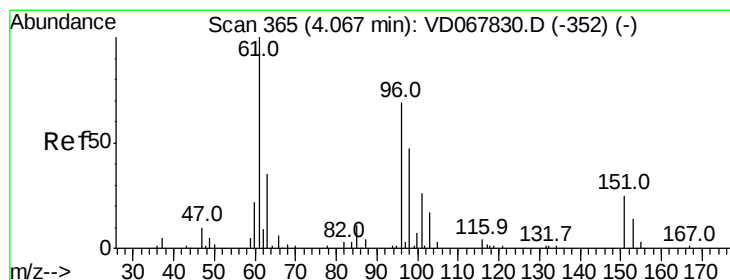
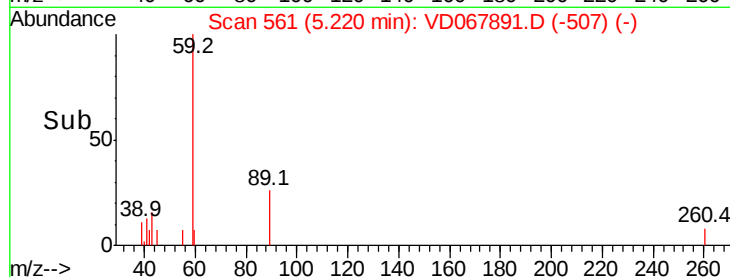
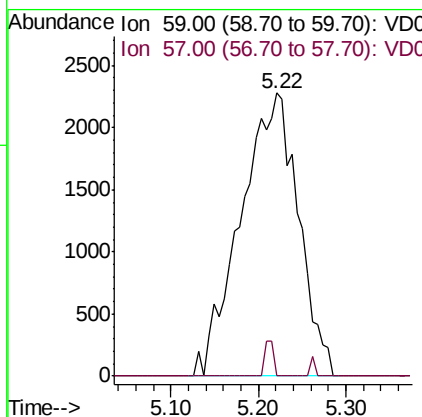
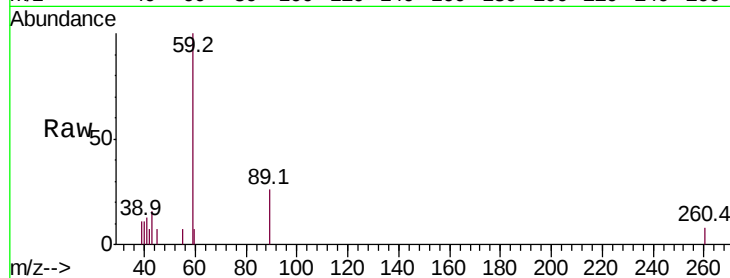


#11

Tert butyl alcohol
 Concen: 48.310 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.02 min
 Lab File: VD067891.D
 Acq: 07 Dec 2020 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

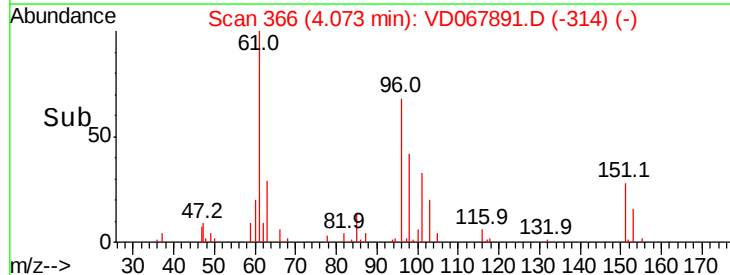
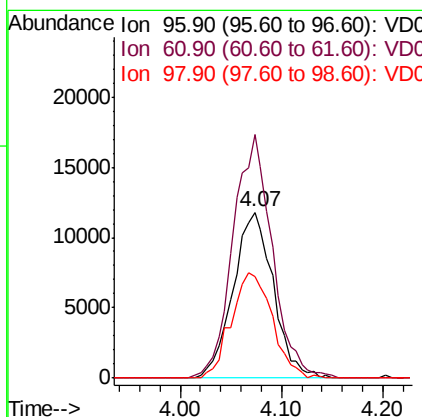
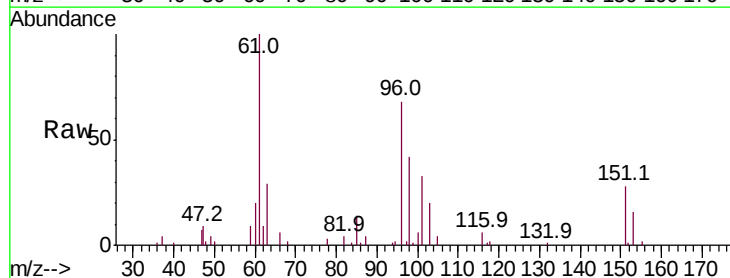
Tot Ion: 59 Resp: 10303
 Ion Ratio Lower Upper
 59 100
 57 1.9 7.7 11.5#

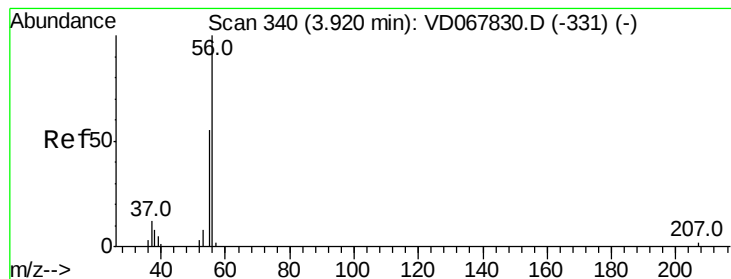


#12

1,1-Dichloroethene
 Concen: 19.798 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VD067891.D
 Acq: 07 Dec 2020 11:15

Tgt Ion: 96 Resp: 32369
 Ion Ratio Lower Upper
 96 100
 61 146.9 116.1 174.1
 98 61.2 54.6 82.0





#13

Acrolein

Concen: 74.414 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

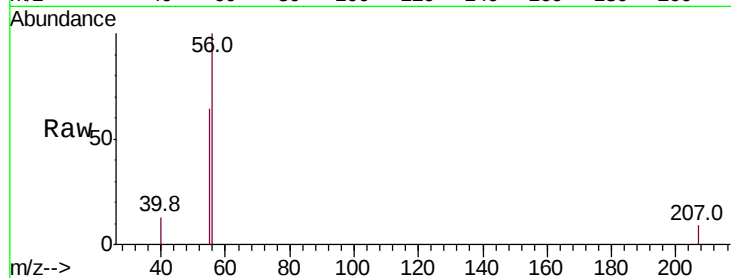
VD1207SBS01

Tot Ion: 56 Resp: 6057

Ion Ratio Lower Upper

56 100

55 66.9 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

2500

2000

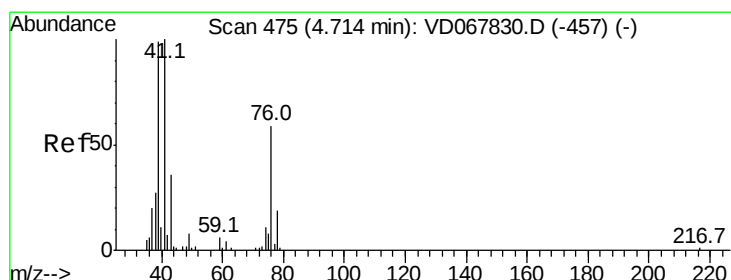
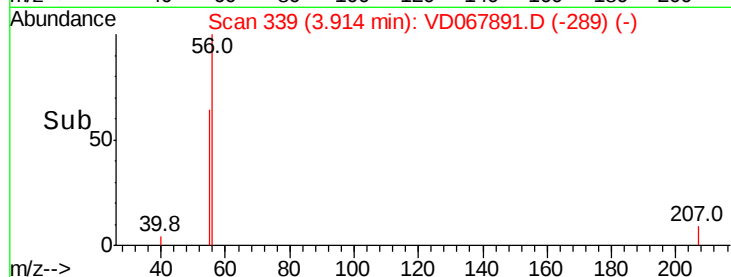
1500

1000

500

0

Time--> 3.85 3.90 3.95 4.00



#14

Allyl chloride

Concen: 18.370 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

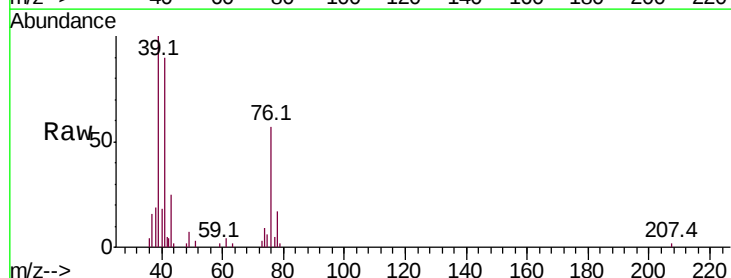
Tgt Ion: 41 Resp: 27784

Ion Ratio Lower Upper

41 100

39 110.1 79.0 118.6

76 63.0 46.6 70.0



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

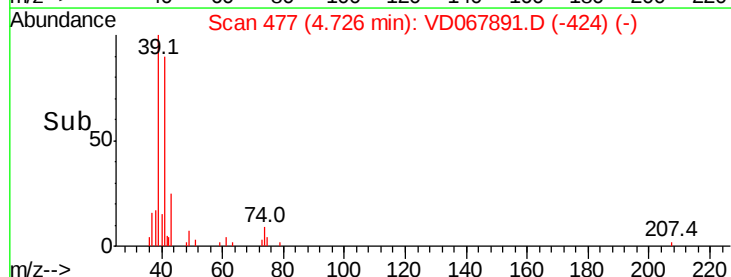
Ion 75.90 (75.60 to 76.60): VDC

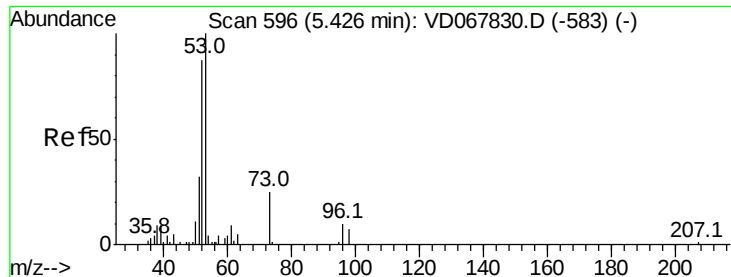
10000

5000

0

Time--> 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 87.766 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

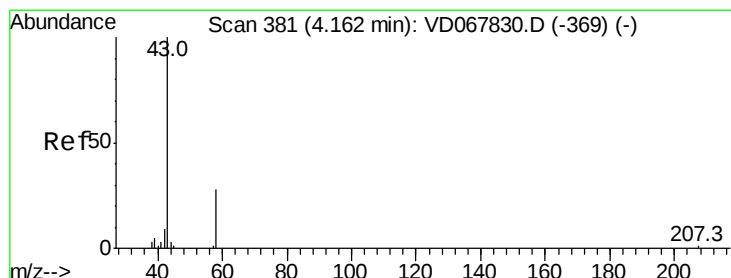
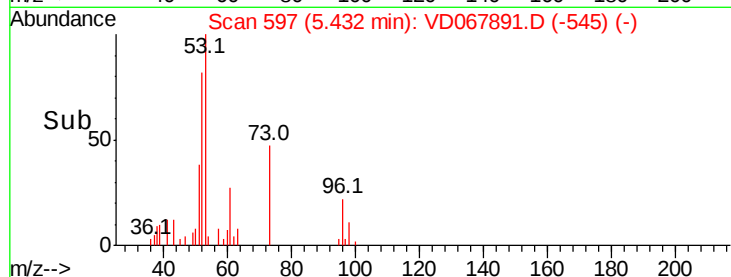
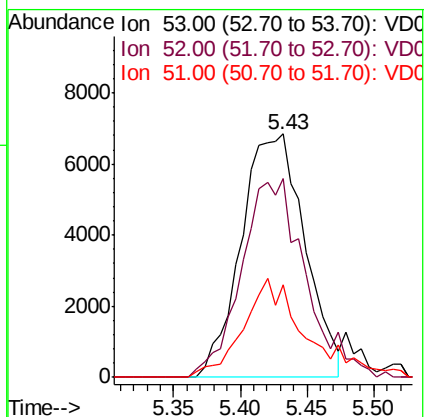
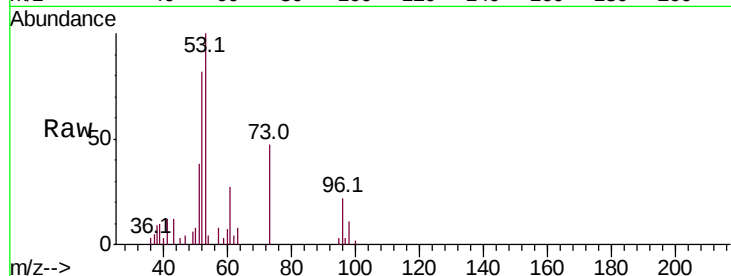
Tot Ion: 53 Resp: 22652

Ion Ratio Lower Upper

53 100

52 82.1 66.2 99.2

51 40.2 31.1 46.7



#16

Acetone

Concen: 82.603 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD067891.D

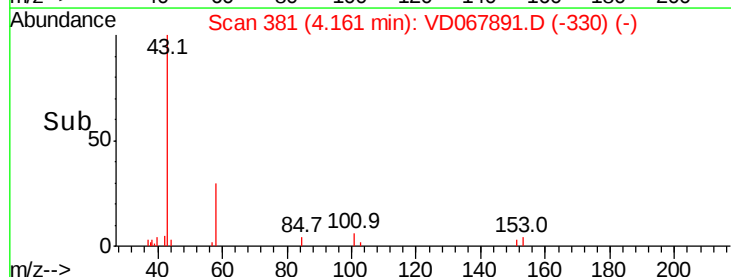
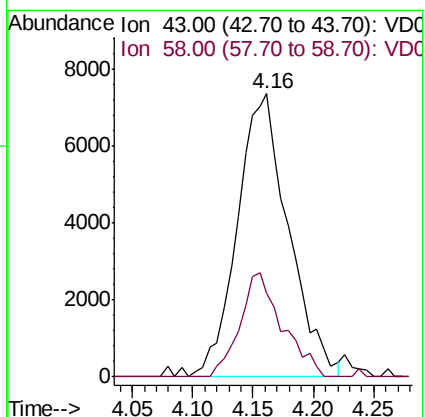
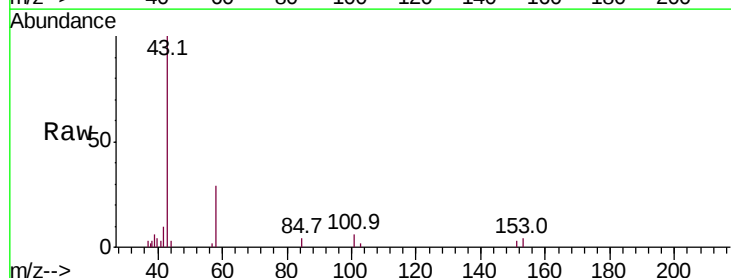
Acq: 07 Dec 2020 11:15

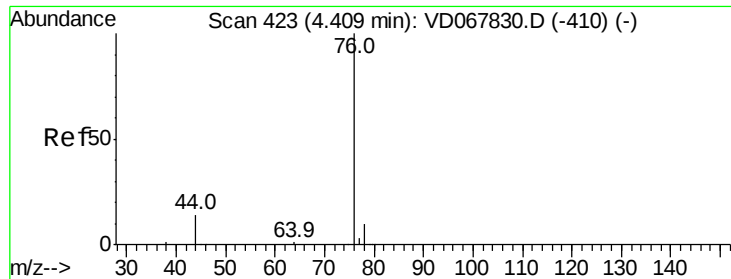
Tgt Ion: 43 Resp: 21620

Ion Ratio Lower Upper

43 100

58 29.4 21.9 32.9

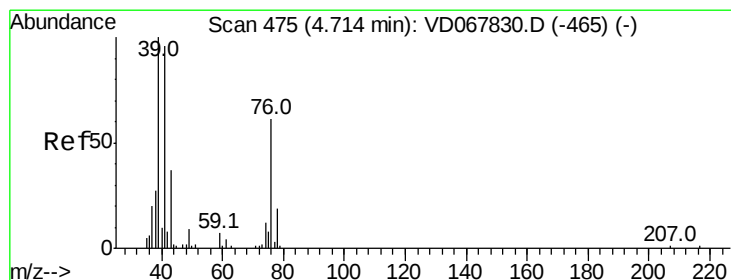
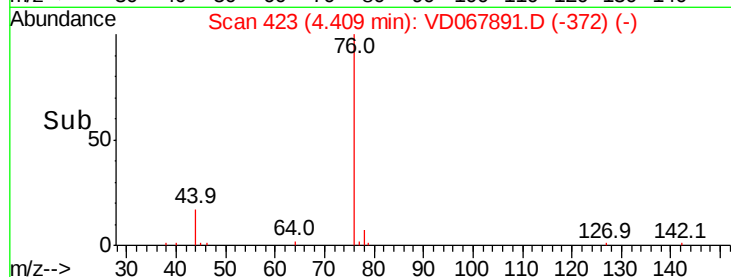
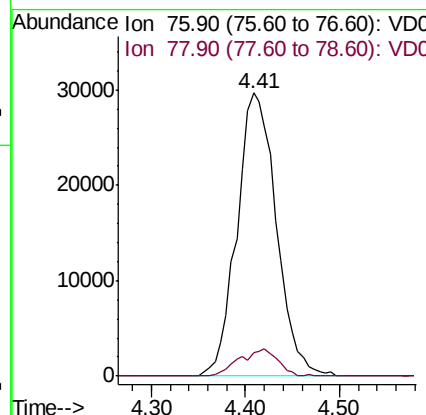
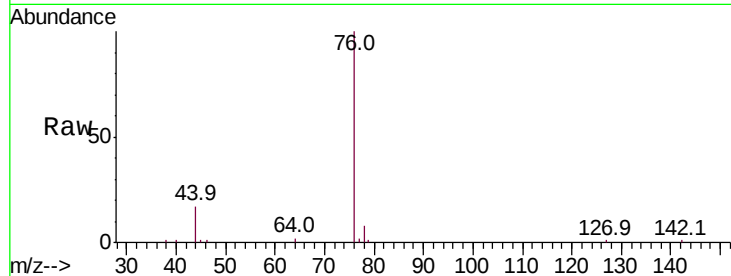




#17
Carbon Disulfide
Concen: 18.887 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

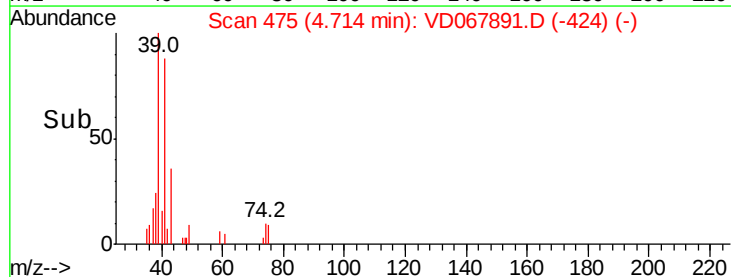
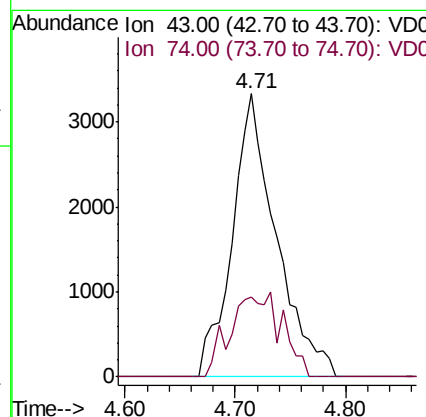
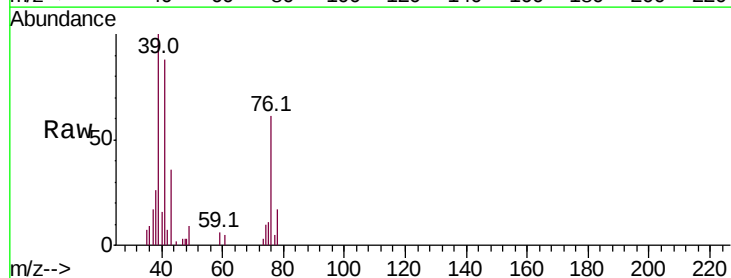
Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

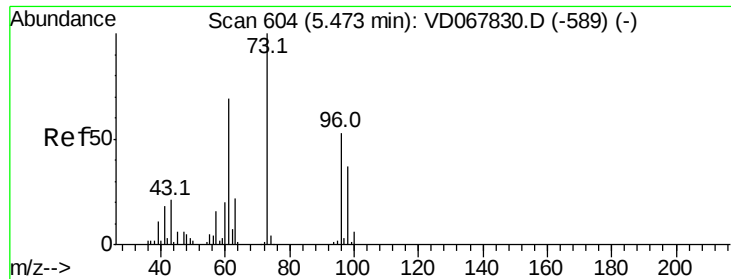
Tot Ion: 76 Resp: 86214
Ion Ratio Lower Upper
76 100
78 8.4 7.8 11.6



#18
Methyl Acetate
Concen: 18.433 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion: 43 Resp: 9280
Ion Ratio Lower Upper
43 100
74 34.6 27.0 40.4

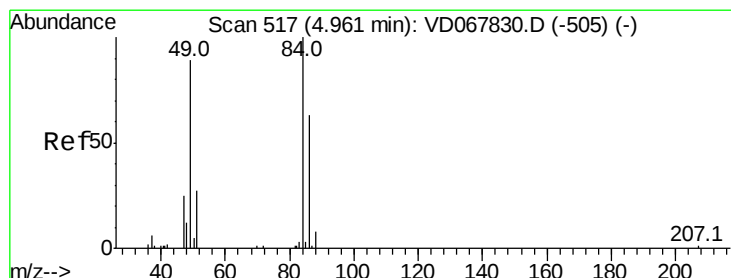
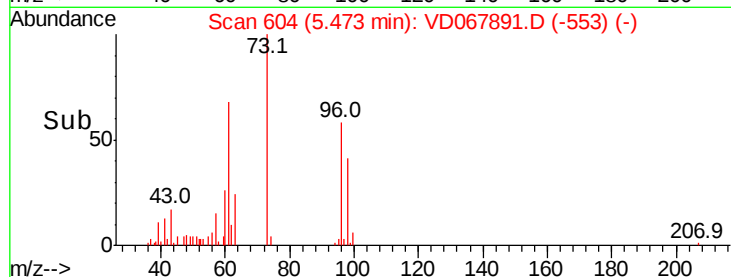
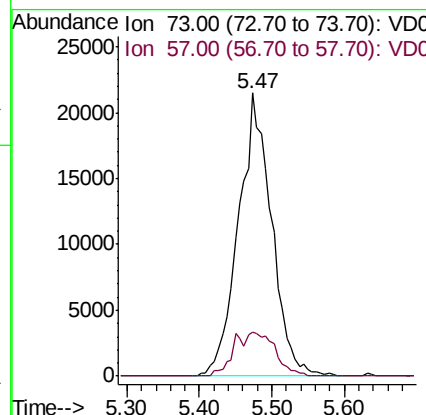
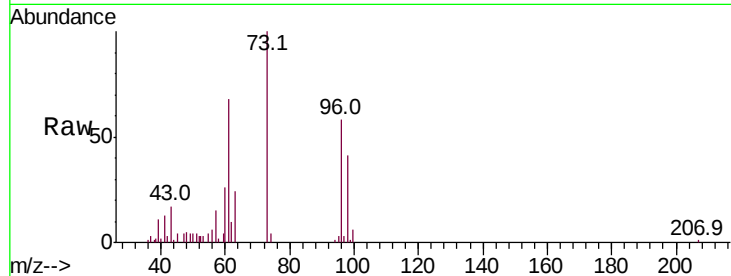




#19
Methvl tert-butvl Ether
Concen: 19.436 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

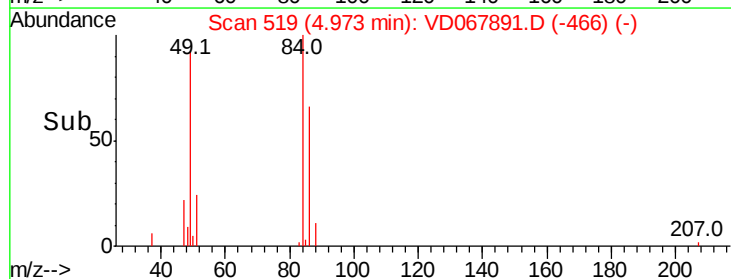
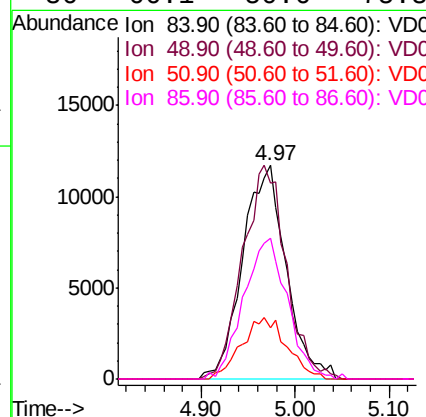
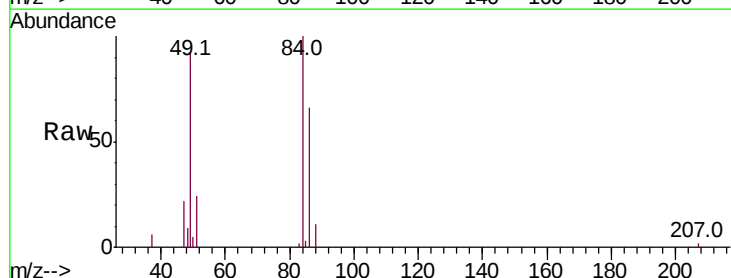
Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

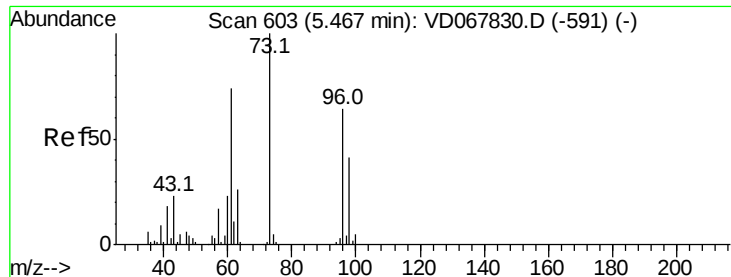
Tot Ion: 73 Resp: 68042
Ion Ratio Lower Upper
73 100
57 15.5 13.2 19.8



#20
Methylene Chloride
Concen: 19.675 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion: 84 Resp: 37581
Ion Ratio Lower Upper
84 100
49 91.9 71.4 107.0
51 24.3 21.8 32.8
86 66.1 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 19.909 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

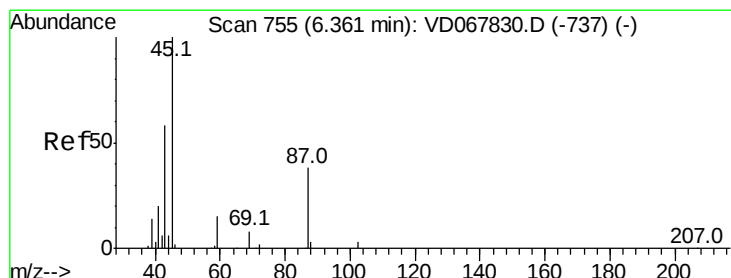
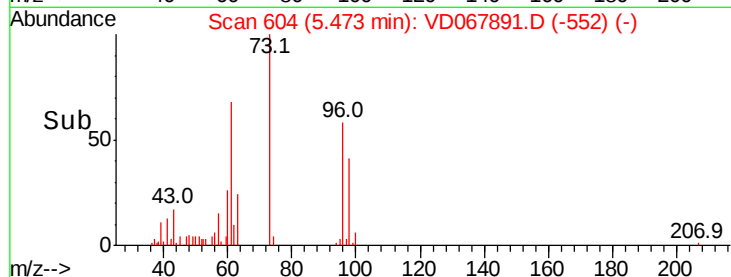
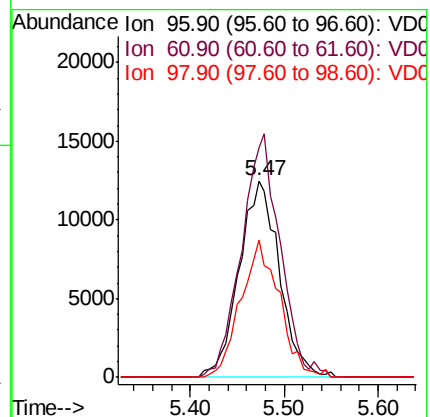
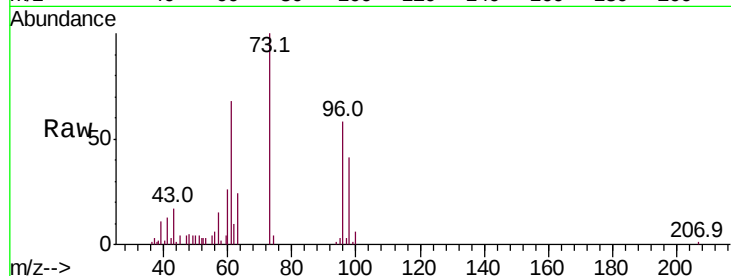
Tot Ion: 96 Resp: 37039

Ion Ratio Lower Upper

96 100

61 117.1 93.1 139.7

98 69.7 52.2 78.2



#22

Diisopropyl ether

Concen: 19.204 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Tgt Ion: 45 Resp: 58419

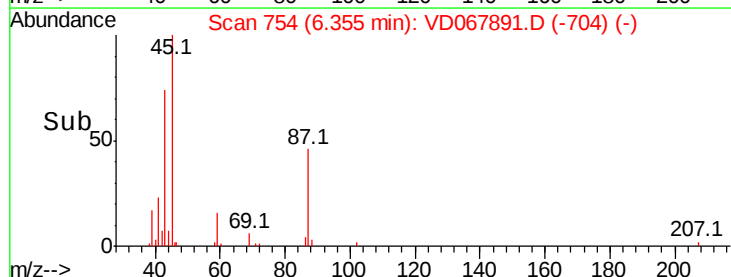
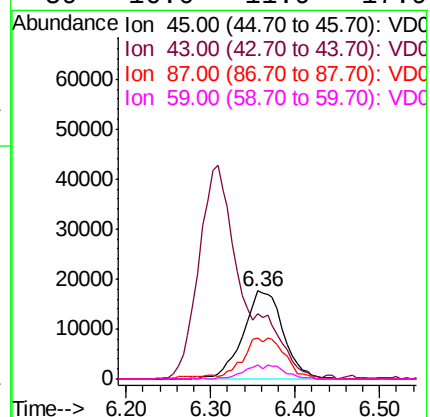
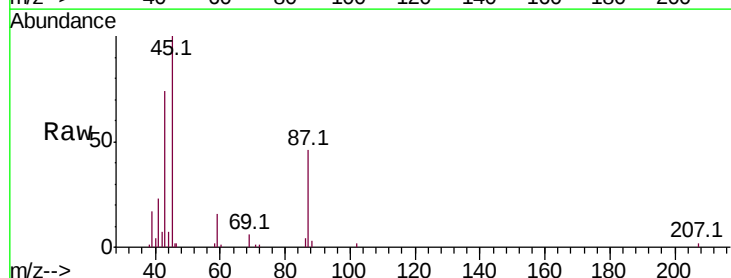
Ion Ratio Lower Upper

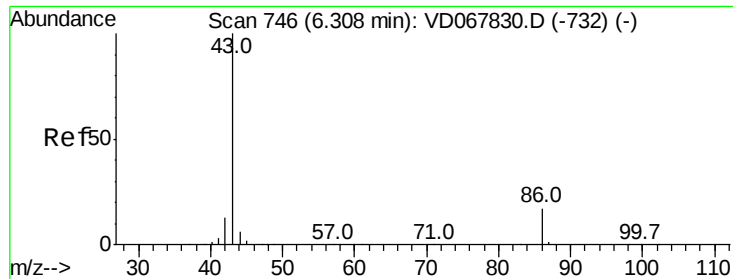
45 100

43 72.7 49.8 74.6

87 46.3 32.1 48.1

59 16.0 11.9 17.9





#23

Vinyl Acetate

Concen: 93.586 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

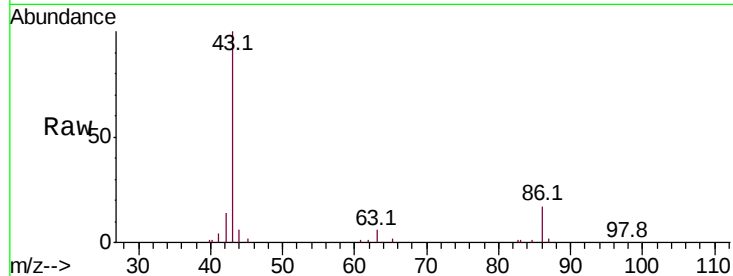
VD1207SBS01

Tot Ion: 43 Resp: 158378

Ion Ratio Lower Upper

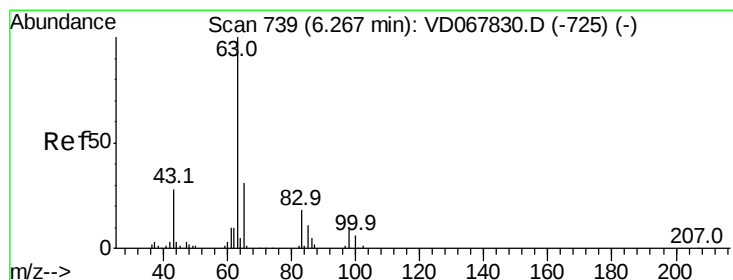
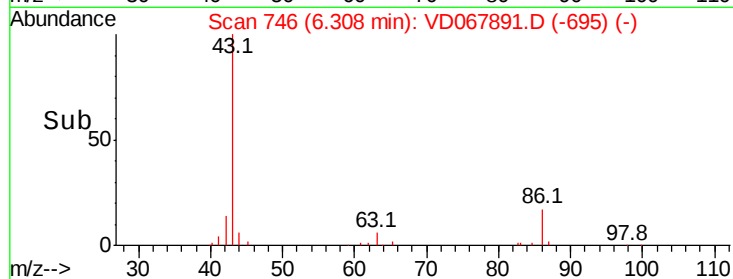
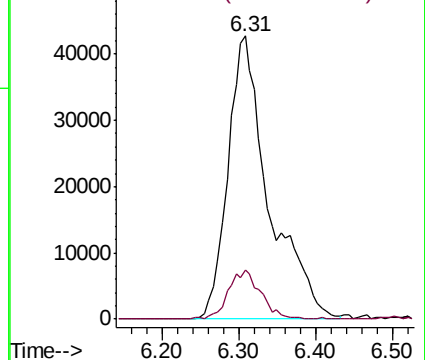
43 100

86 17.3 13.8 20.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.936 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

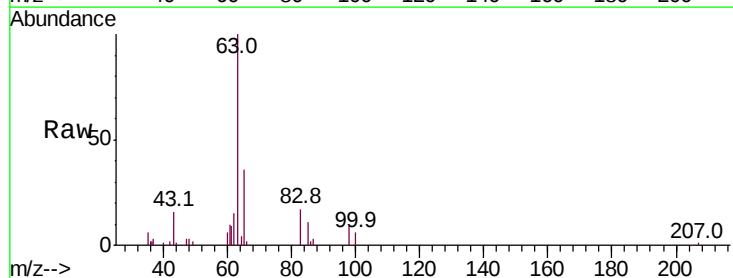
Tgt Ion: 63 Resp: 53163

Ion Ratio Lower Upper

63 100

98 9.0 4.5 13.5

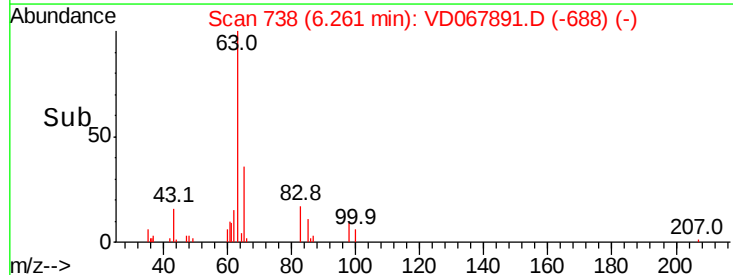
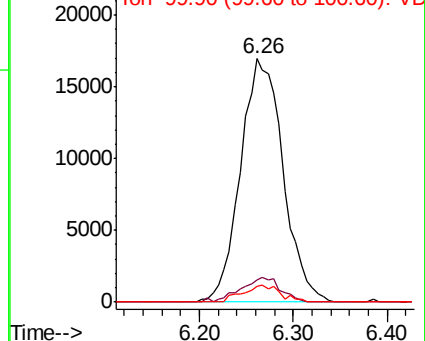
100 6.4 3.0 9.2

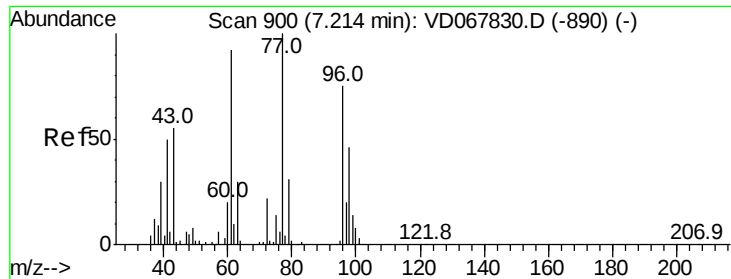


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

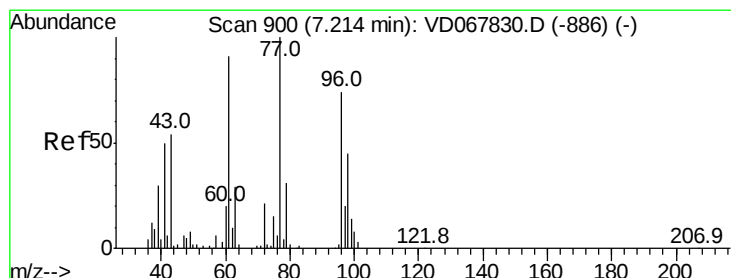
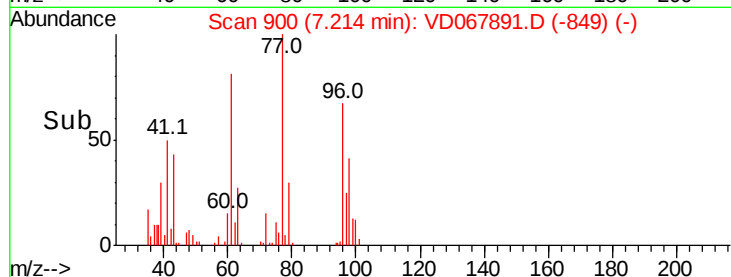
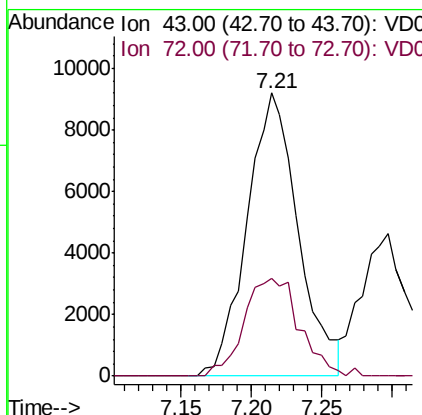
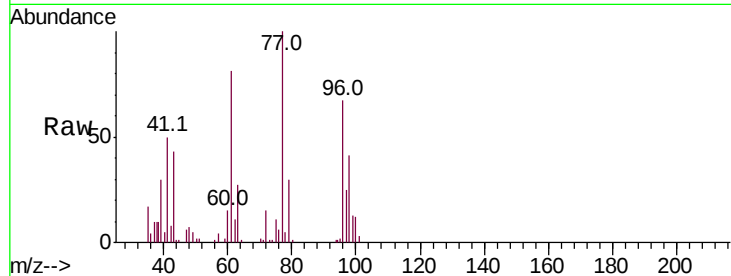




#25
2-Butanone
Concen: 85.131 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

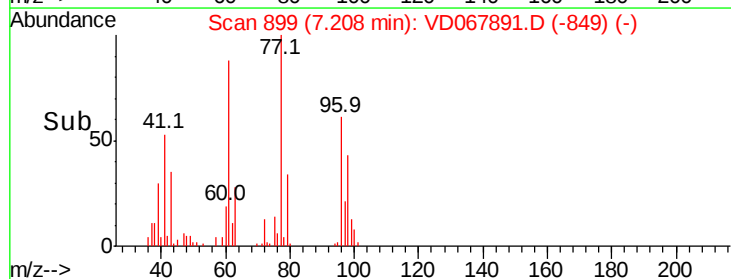
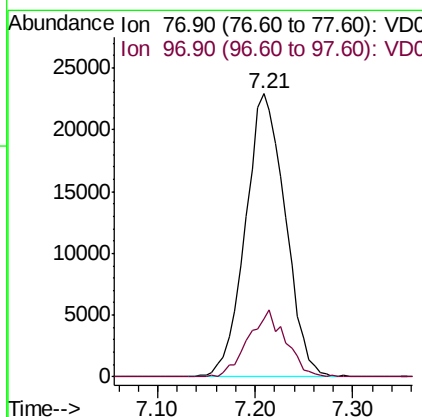
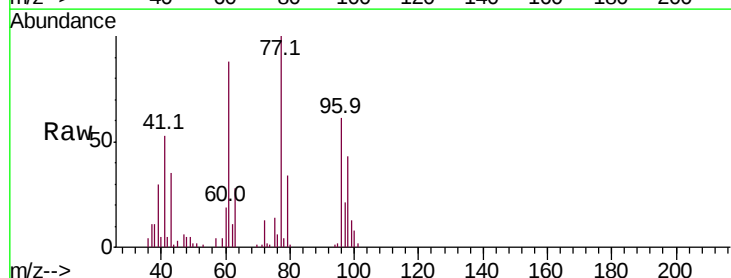
Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

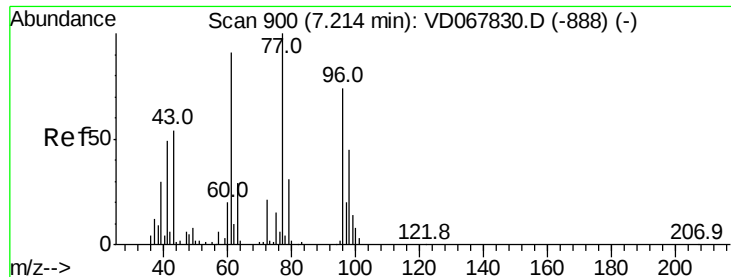
Tot Ion: 43 Resp: 23436
Ion Ratio Lower Upper
43 100
72 34.6 31.3 46.9



#26
2,2-Dichloropropane
Concen: 20.570 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion: 77 Resp: 65411
Ion Ratio Lower Upper
77 100
97 22.3 11.1 33.1



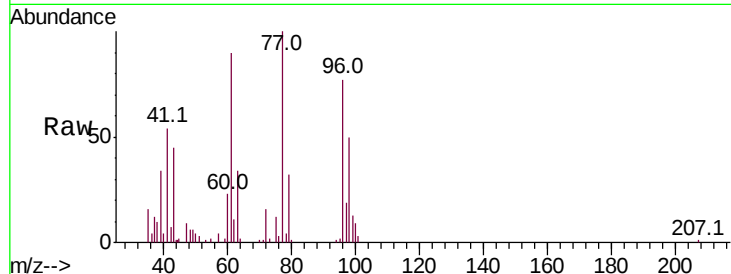


#27

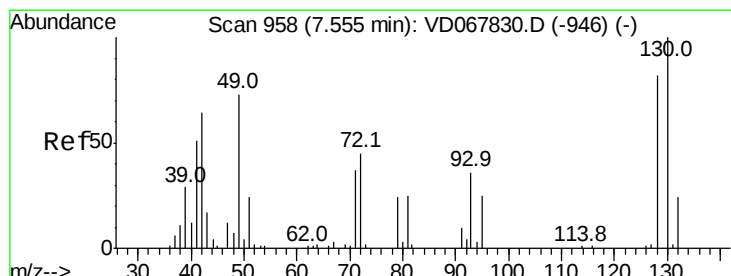
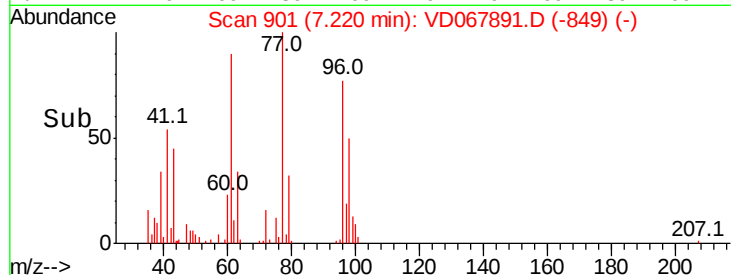
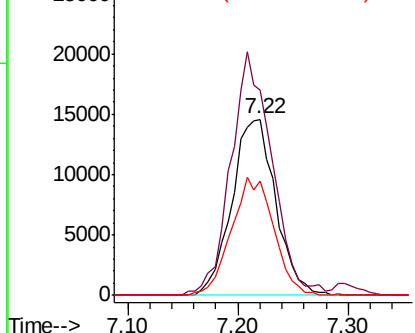
cis-1,2-Dichloroethene
Concen: 19.939 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion: 96 Resp: 40573
Ion Ratio Lower Upper
96 100
61 129.9 0.0 248.4
98 65.0 0.0 127.4



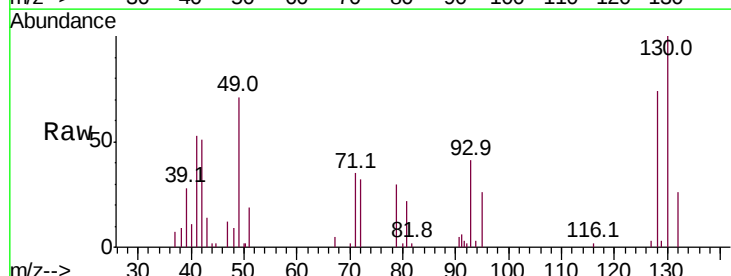
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



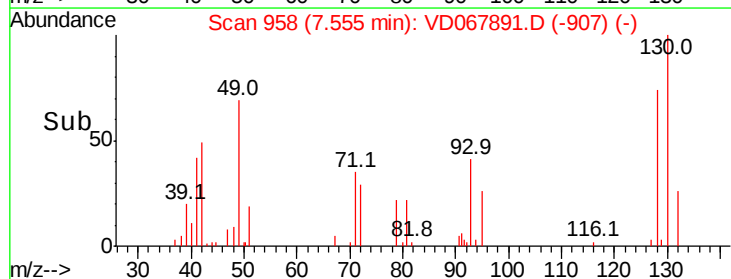
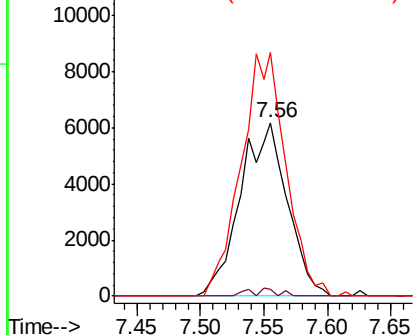
#28

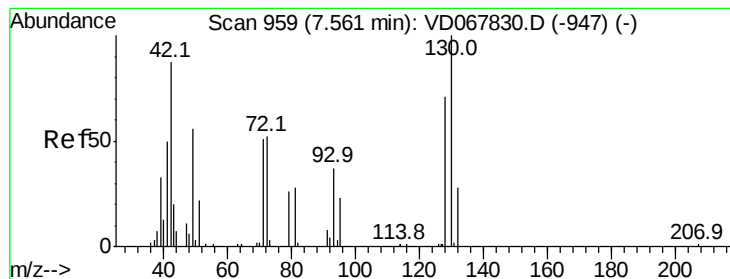
Bromochloromethane
Concen: 18.833 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion: 49 Resp: 15945
Ion Ratio Lower Upper
49 100
129 1.7 0.0 3.4
130 133.9 110.2 165.2



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: 87.478 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

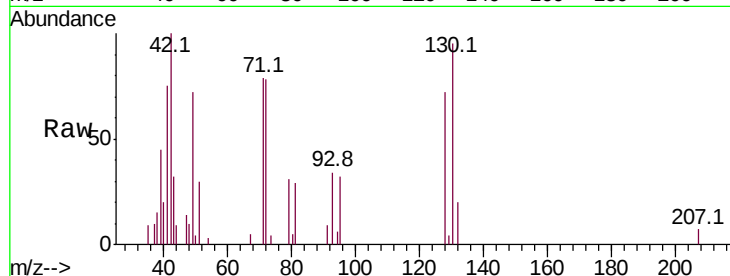
Tot Ion: 42 Resp: 13712

Ion Ratio Lower Upper

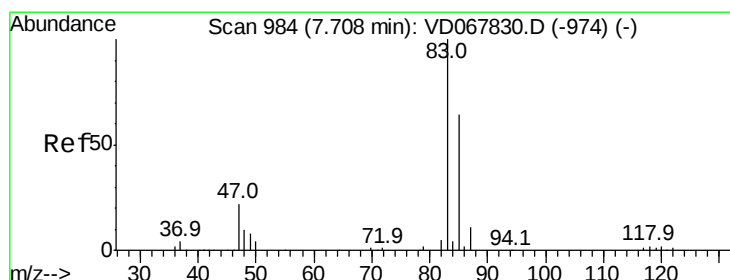
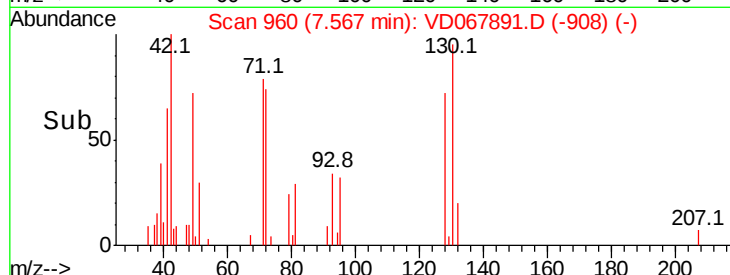
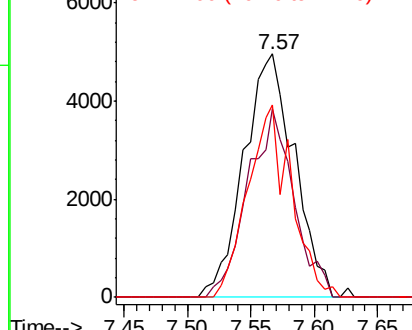
42 100

72 70.4 51.9 77.9

71 68.1 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: 20.283 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.01 min

Lab File: VD067891.D

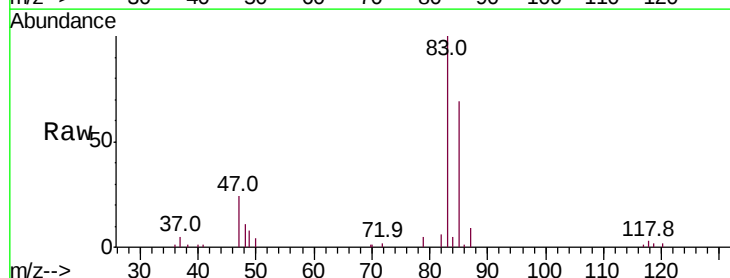
Acq: 07 Dec 2020 11:15

Tgt Ion: 83 Resp: 72283

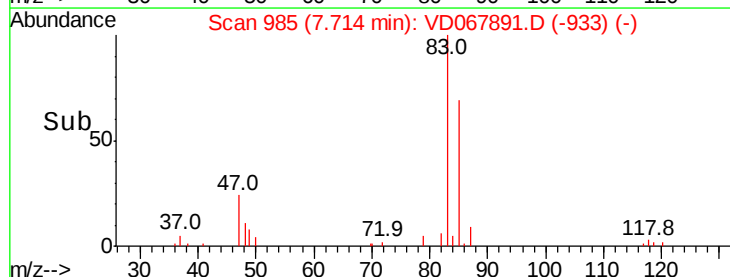
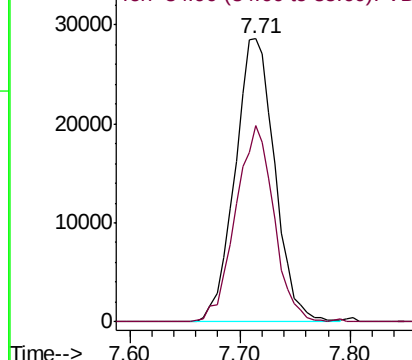
Ion Ratio Lower Upper

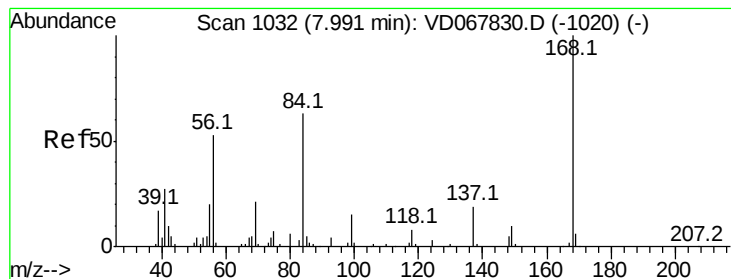
83 100

85 69.4 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: 18.388 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

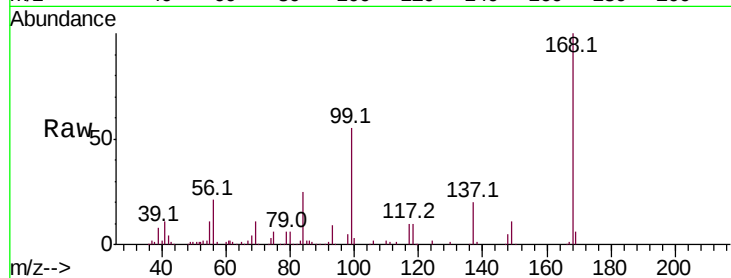
Tot Ion: 56 Resp: 41035

Ion Ratio Lower Upper

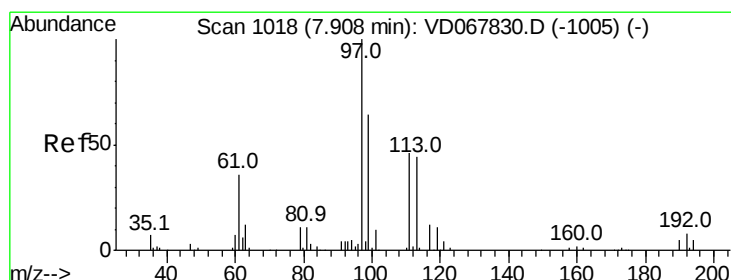
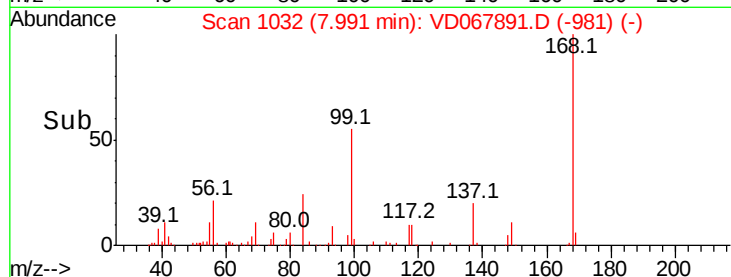
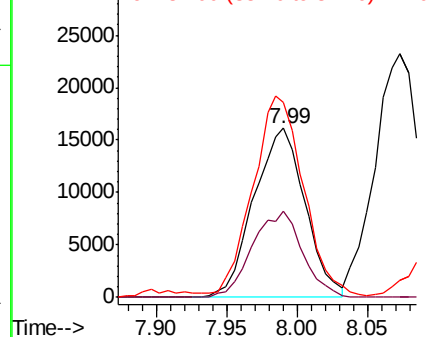
56 100

69 51.2 32.1 48.1#

84 113.4 93.2 139.8



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



#32

1,1,1-Trichloroethane

Concen: 21.457 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

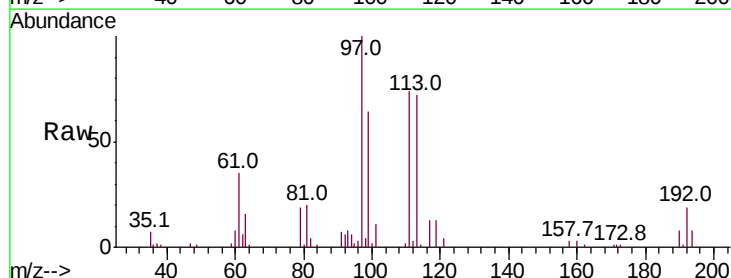
Tgt Ion: 97 Resp: 80719

Ion Ratio Lower Upper

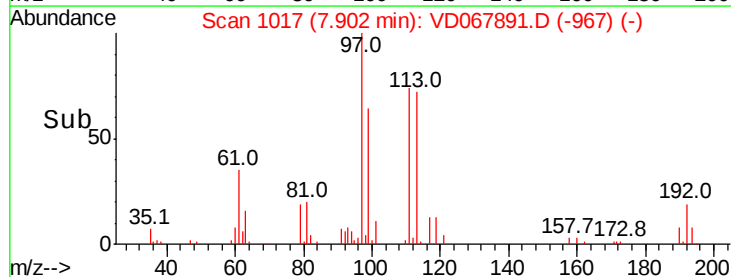
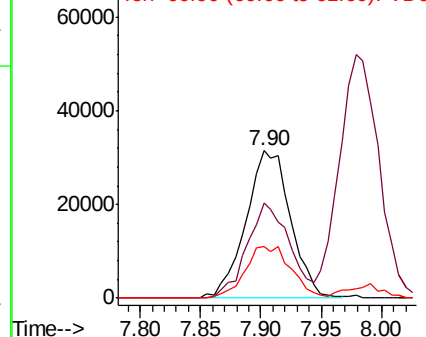
97 100

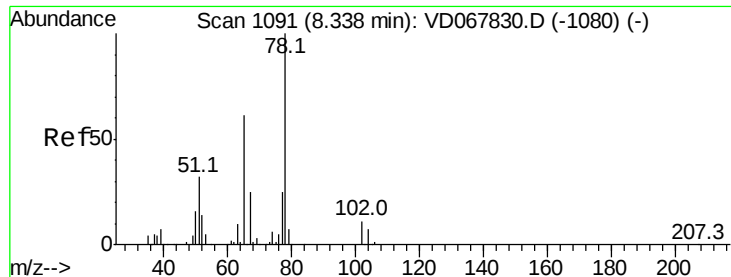
99 61.9 51.4 77.2

61 36.0 30.8 46.2



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

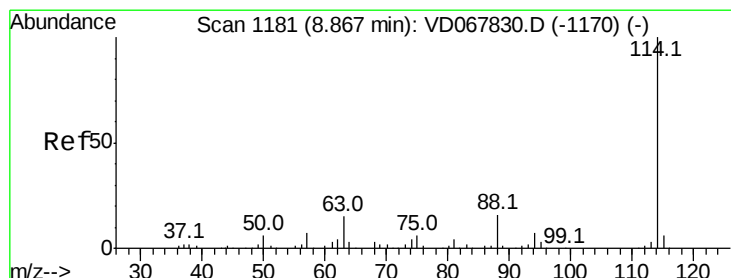
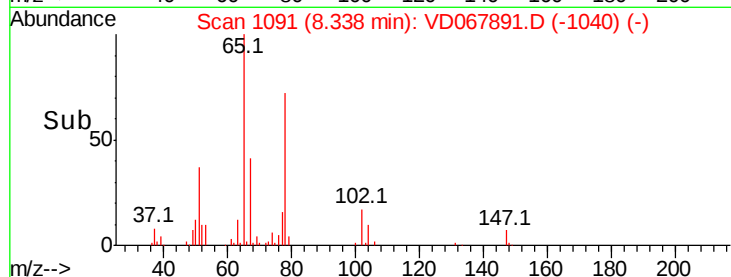
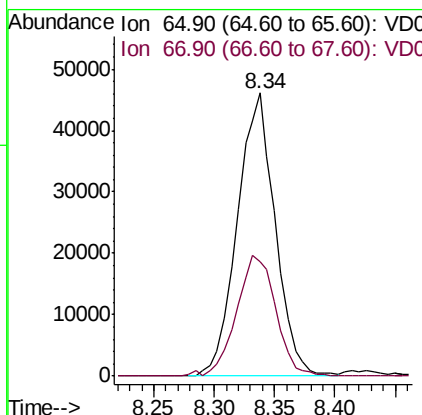
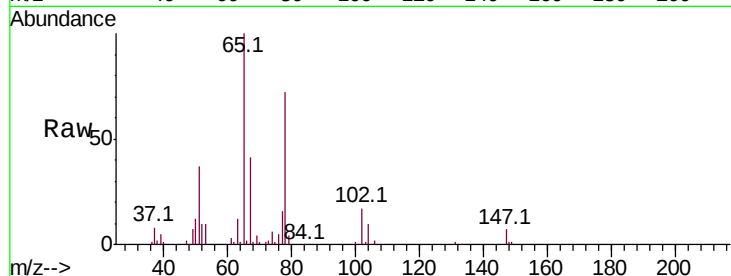




#33
 1,2-Dichloroethane-d4
 Concen: 47.391 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD067891.D
 Acq: 07 Dec 2020 11:15

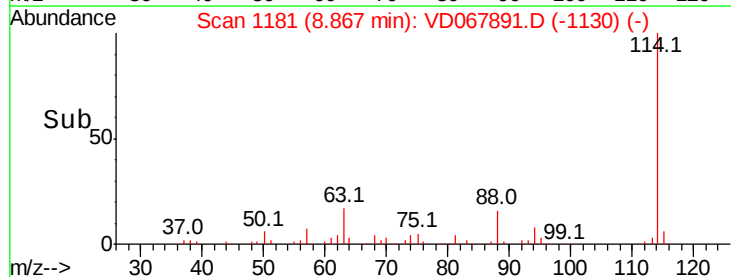
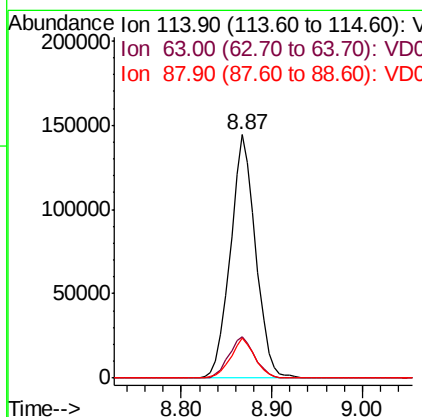
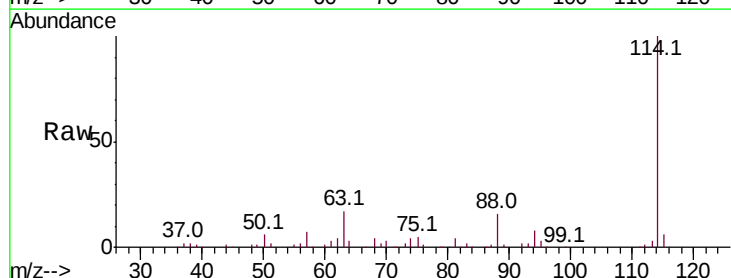
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

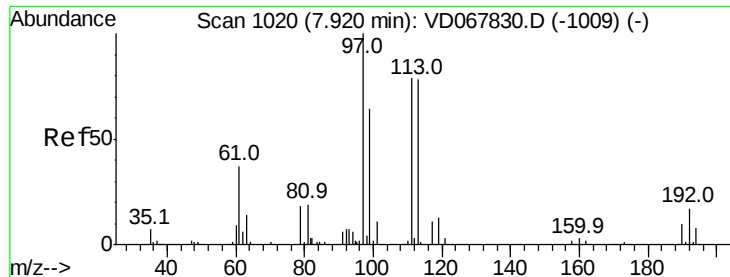
Tot Ion: 65 Resp: 100379
 Ion Ratio Lower Upper
 65 100
 67 44.6 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD067891.D
 Acq: 07 Dec 2020 11:15

Tgt Ion: 114 Resp: 280234
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 30.8
 88 16.4 0.0 31.8

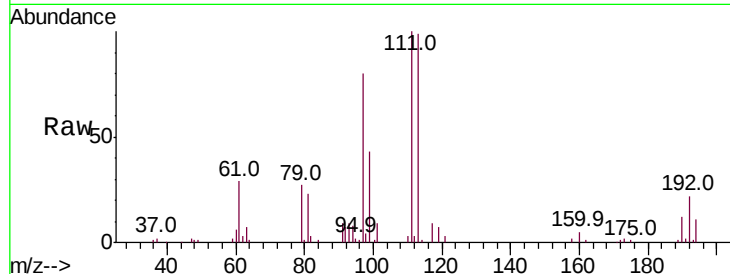




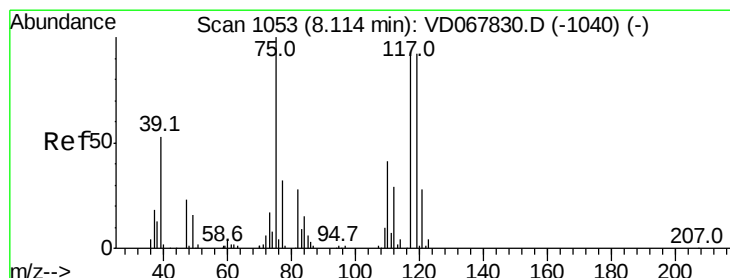
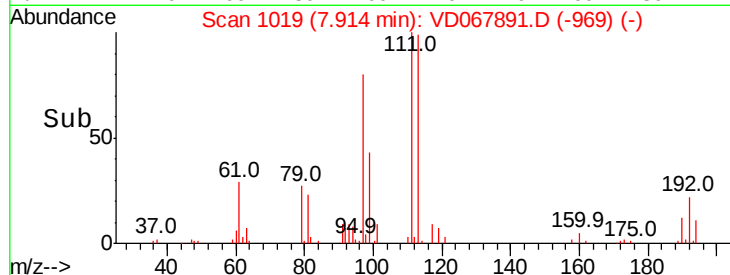
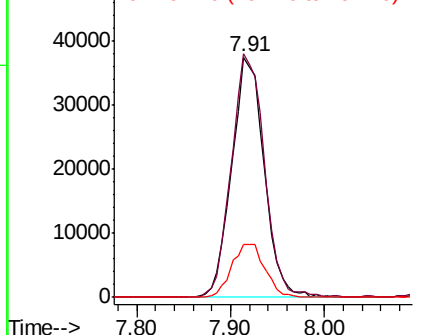
#35
 Dibromofluoromethane
 Concen: 47.775 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD067891.D
 Acq: 07 Dec 2020 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Tot Ion:113 Resp: 89587
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.2 121.8
 192 22.8 16.8 25.2

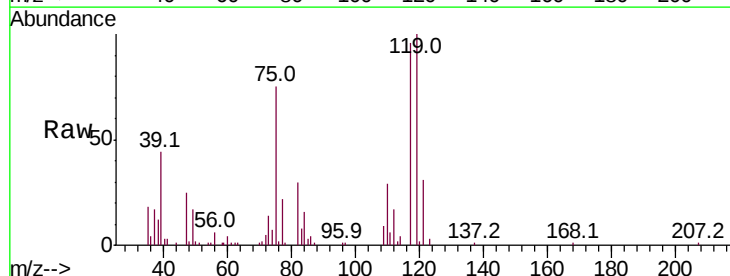


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

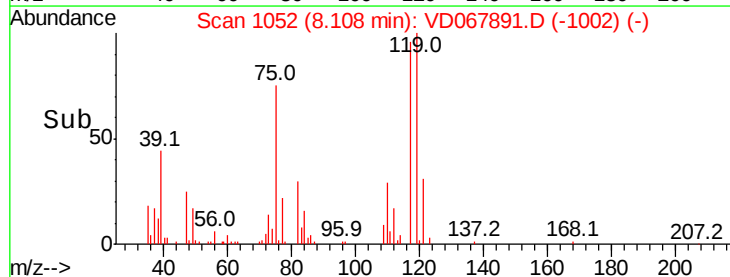
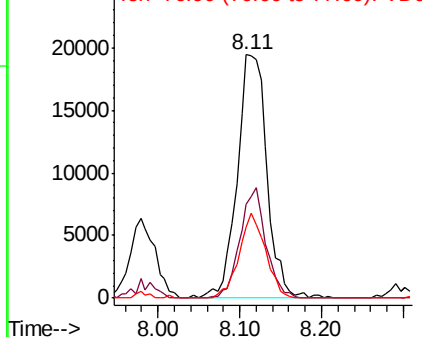


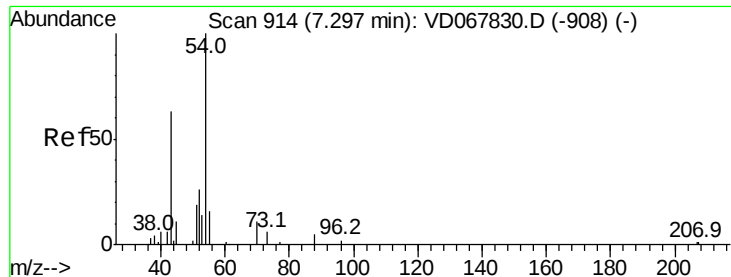
#36
 1,1-Dichloropropene
 Concen: 20.364 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD067891.D
 Acq: 07 Dec 2020 11:15

Tgt Ion: 75 Resp: 49403
 Ion Ratio Lower Upper
 75 100
 110 39.3 20.3 61.0
 77 30.7 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

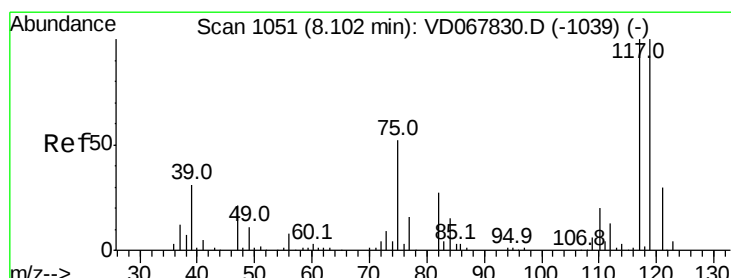
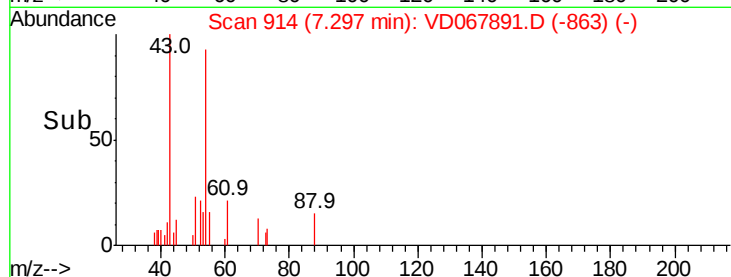
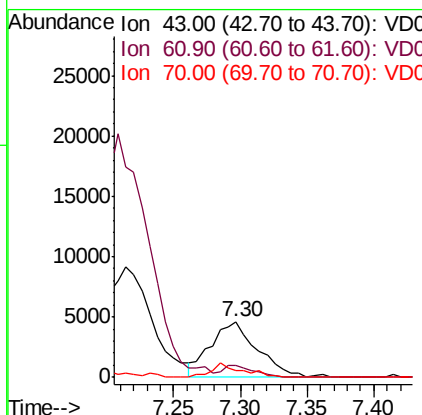
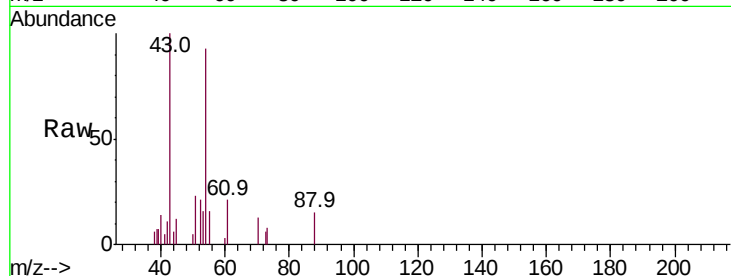




#37
Ethyl Acetate
Concen: 17.281 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

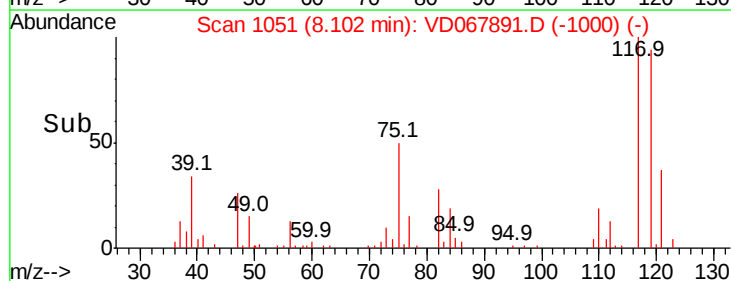
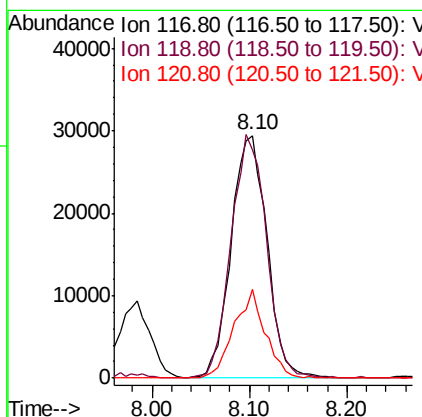
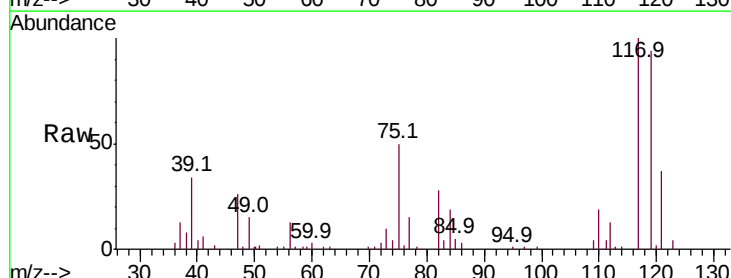
Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

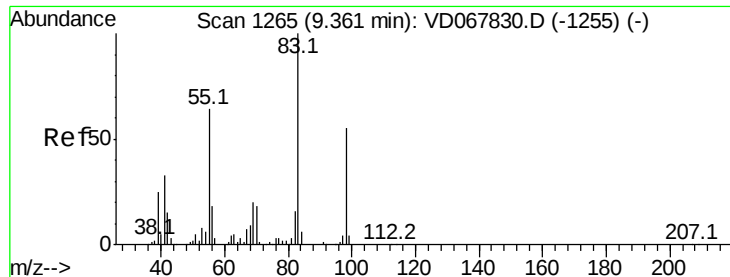
Tot Ion: 43 Resp: 11299
Ion Ratio Lower Upper
43 100
61 14.5 11.4 17.2
70 16.9 11.5 17.3



#38
Carbon Tetrachloride
Concen: 20.600 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion: 117 Resp: 75614
Ion Ratio Lower Upper
117 100
119 94.0 79.7 119.5
121 36.7 23.8 35.6#

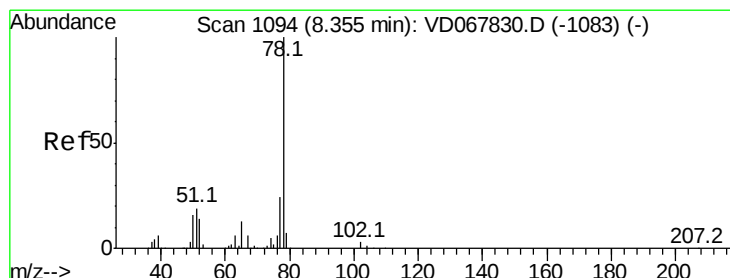
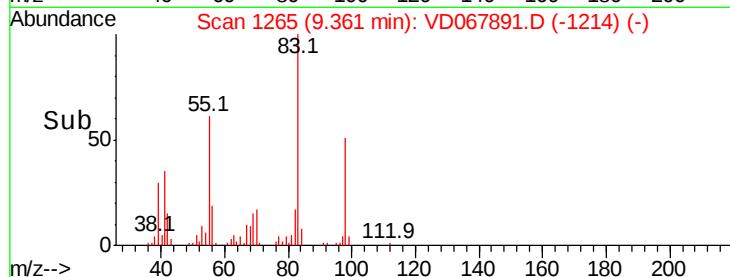
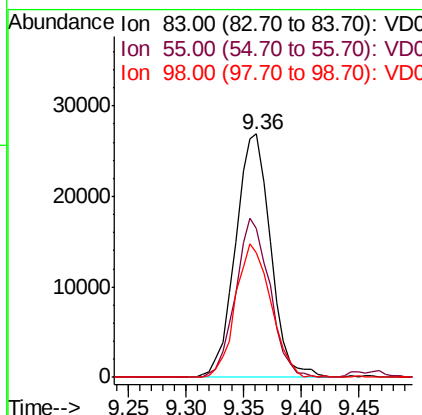
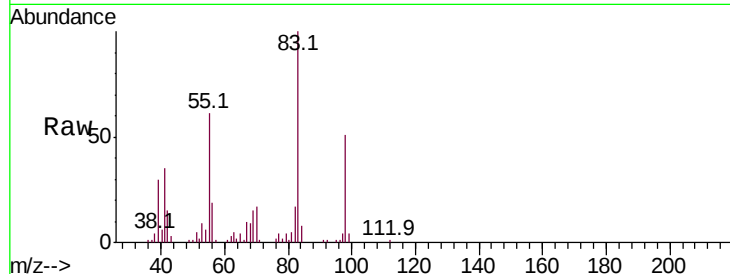




#39
Methvlcvclohexane
Concen: 19.756 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

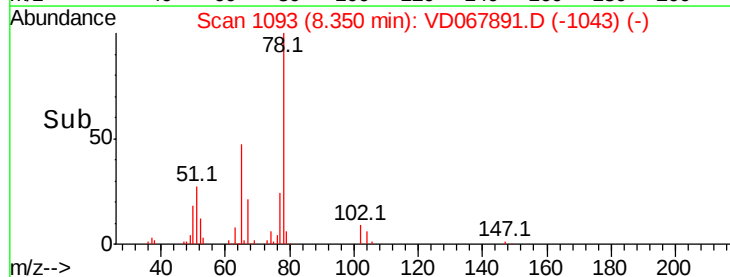
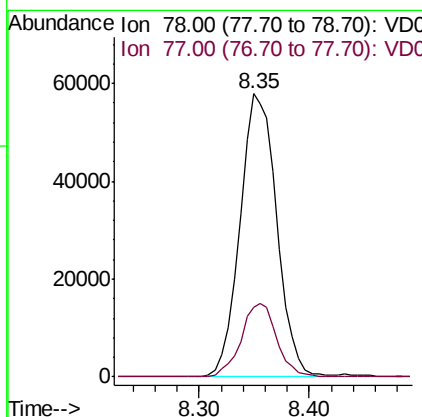
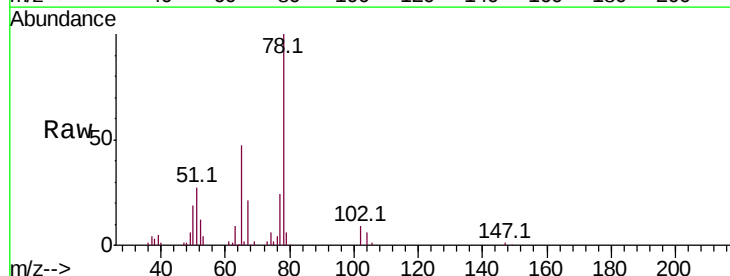
Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

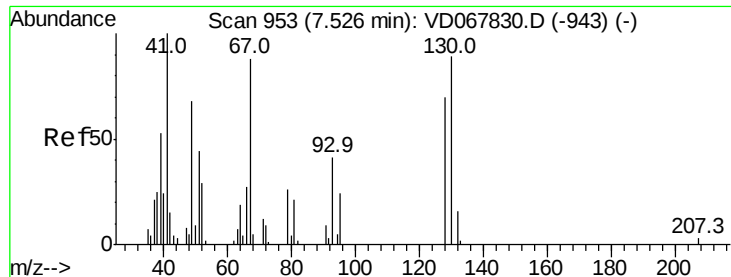
Tot Ion	83	Resp	56797
Ion Ratio	Lower	Upper	
83	100		
55	60.9	51.6	77.4
98	51.0	44.3	66.5



#40
Benzene
Concen: 20.365 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion	78	Resp	135184
Ion Ratio	Lower	Upper	
78	100		
77	24.4	19.1	28.7

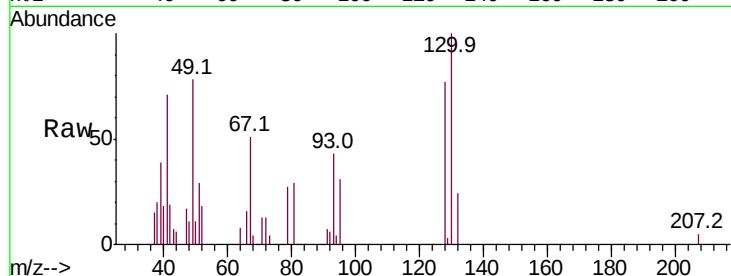




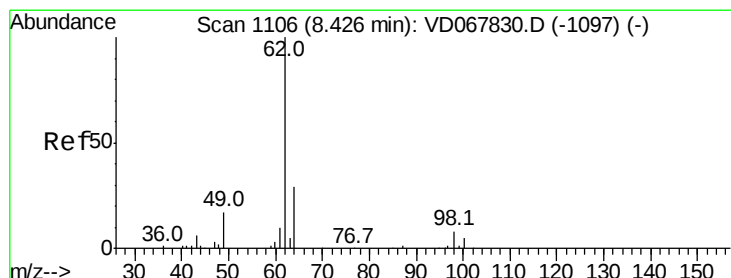
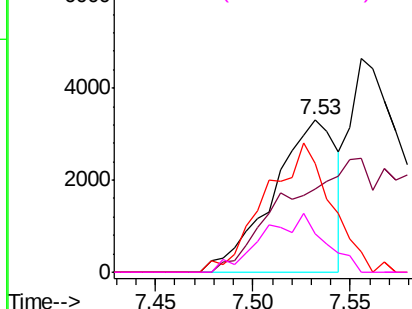
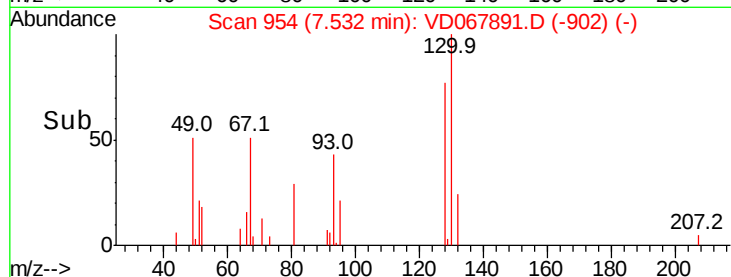
#41
Methacrylonitrile
Concen: 21.617 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion: 41 Resp: 7501
Ion Ratio Lower Upper
41 100
39 0.0 42.1 63.1#
67 87.7 82.4 123.6
52 37.0 30.6 45.8

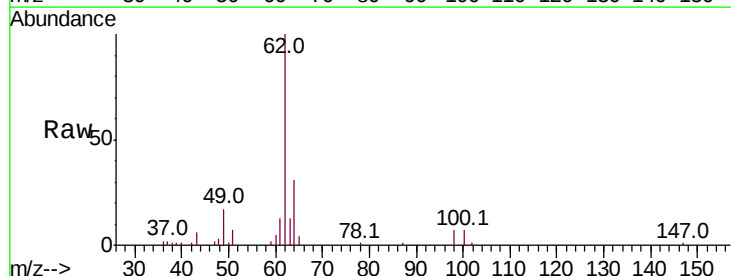


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

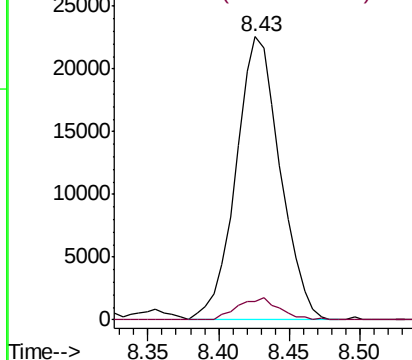
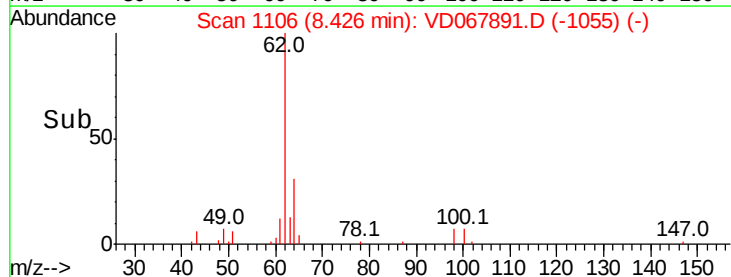


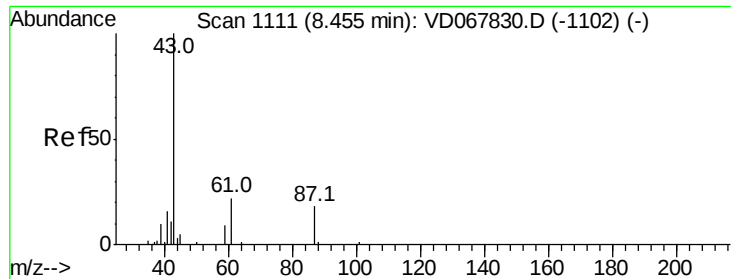
#42
1,2-Dichloroethane
Concen: 20.882 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion: 62 Resp: 49404
Ion Ratio Lower Upper
62 100
98 7.5 0.0 17.2



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





#43

Isopropyl Acetate

Concen: 17.994 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

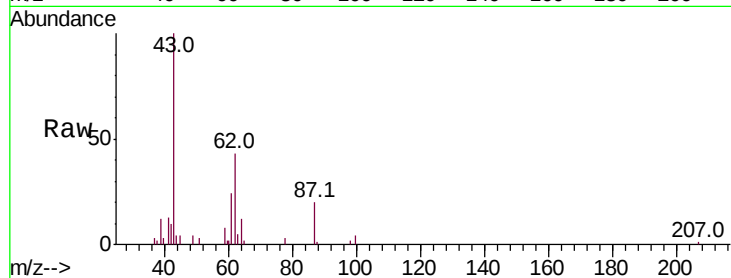
Tot Ion: 43 Resp: 23149

Ion Ratio Lower Upper

43 100

61 0.0 30.4 45.6#

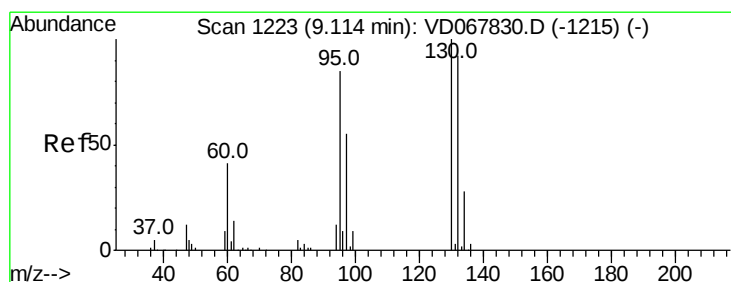
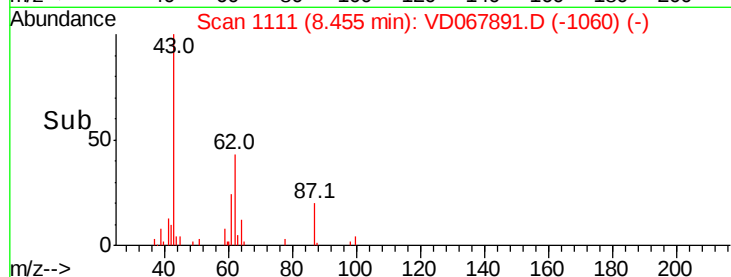
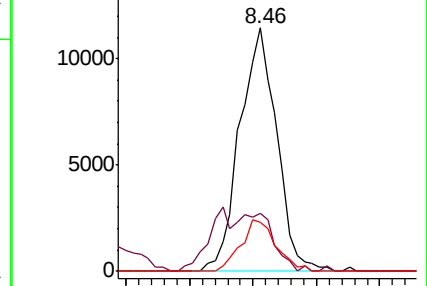
87 20.1 16.2 24.2



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: 19.852 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD067891.D

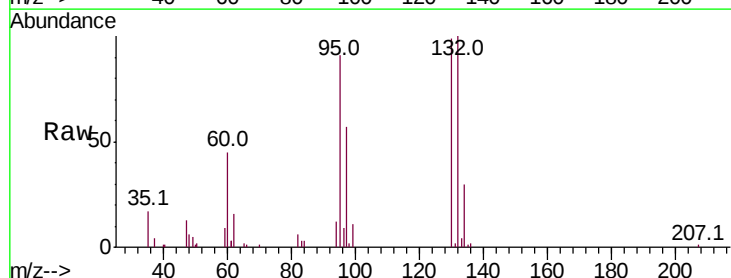
Acq: 07 Dec 2020 11:15

Tgt Ion:130 Resp: 45309

Ion Ratio Lower Upper

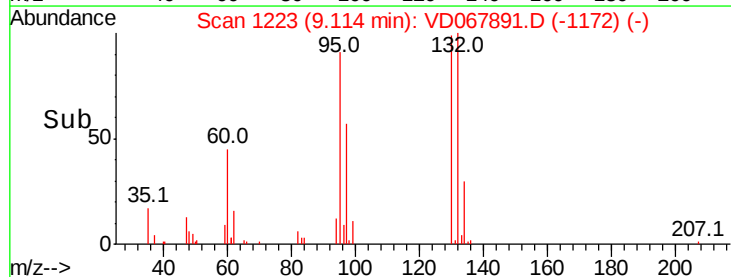
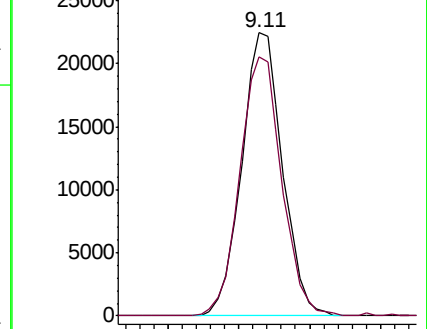
130 100

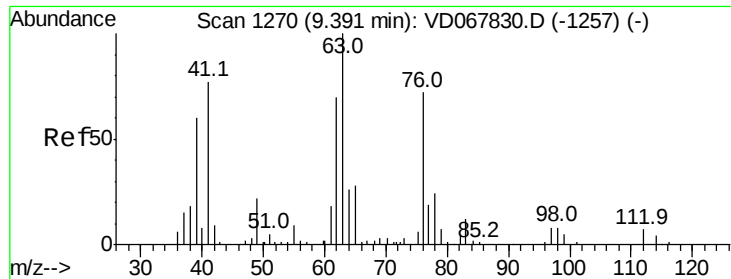
95 91.7 0.0 170.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.528 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

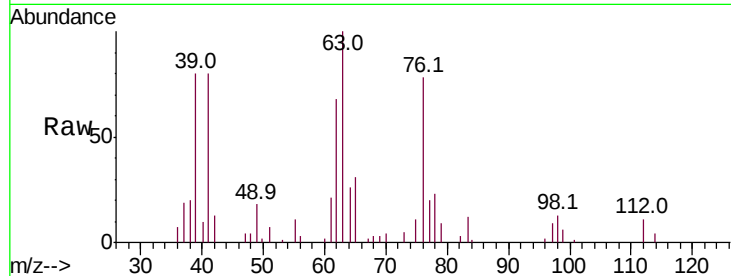
VD1207SBS01

Tot Ion: 63 Resp: 26606

Ion Ratio Lower Upper

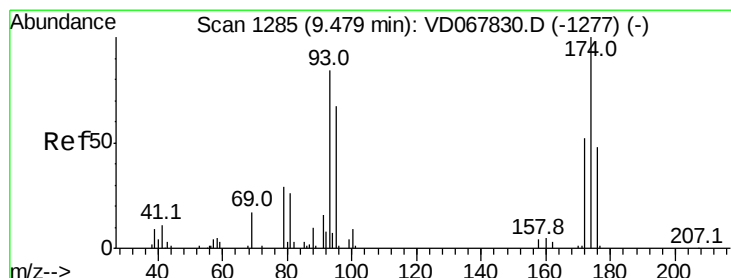
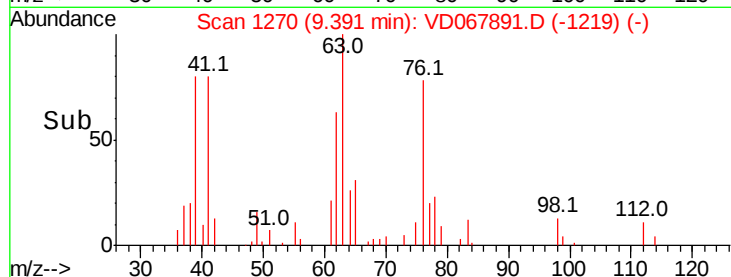
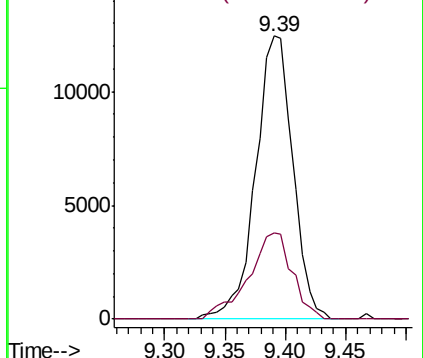
63 100

65 30.7 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: 19.038 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

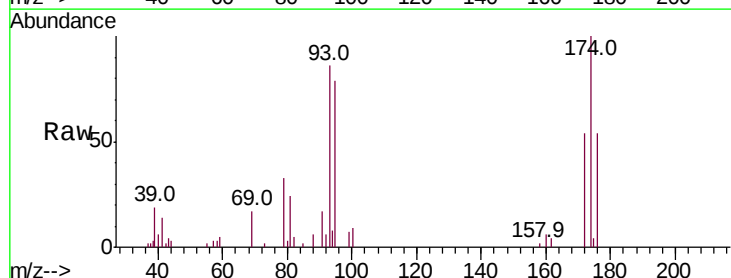
Tgt Ion: 93 Resp: 18034

Ion Ratio Lower Upper

93 100

95 82.0 64.2 96.4

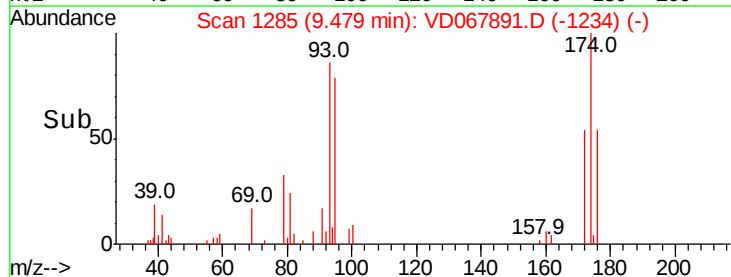
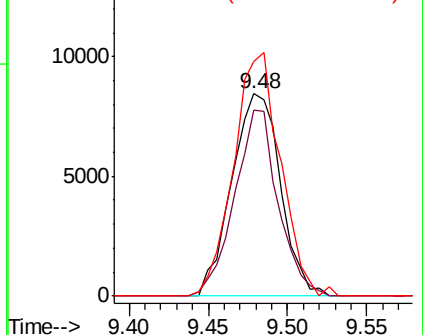
174 115.8 91.5 137.3

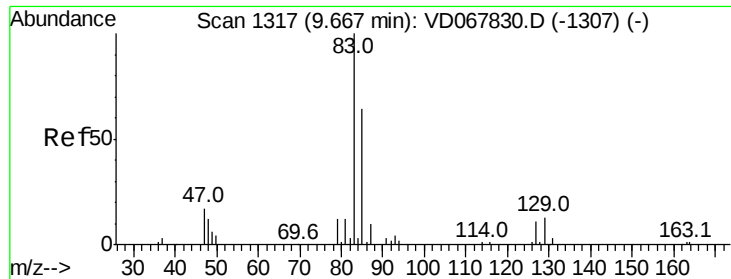


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.340 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

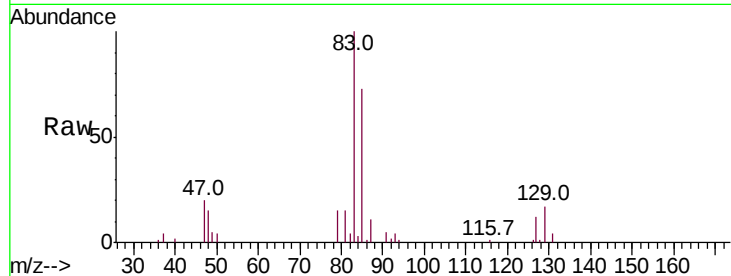
Tot Ion: 83 Resp: 54928

Ion Ratio Lower Upper

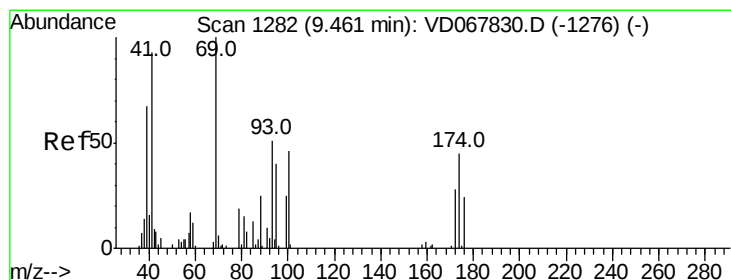
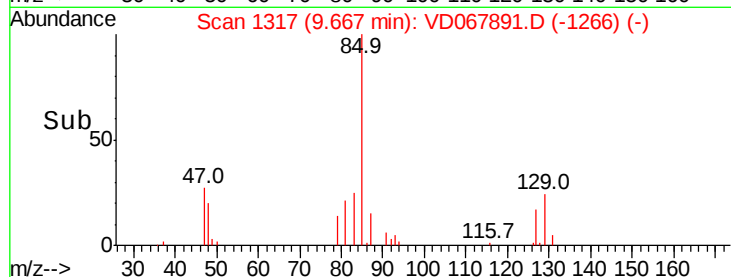
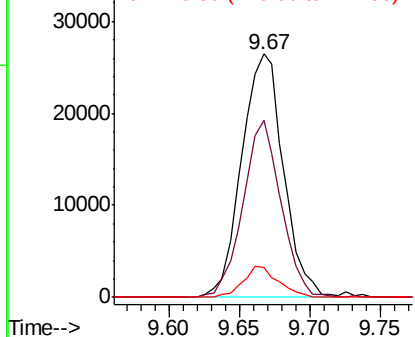
83 100

85 72.6 51.4 77.0

127 12.2 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: 18.650 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

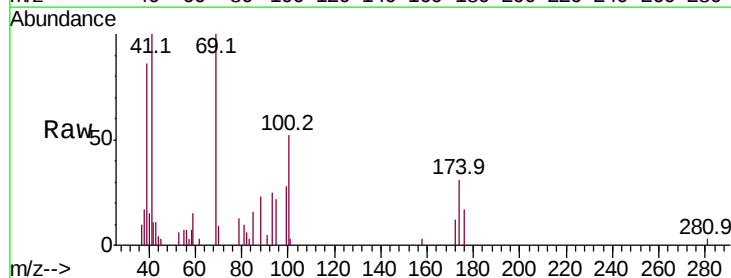
Tgt Ion: 41 Resp: 12183

Ion Ratio Lower Upper

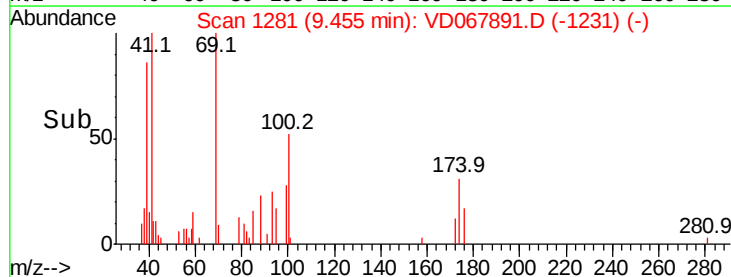
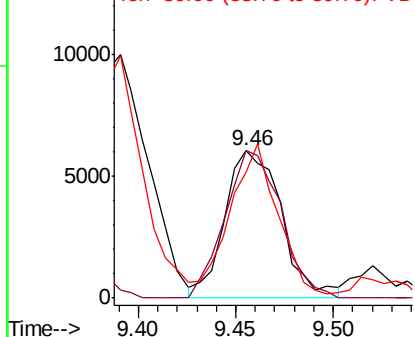
41 100

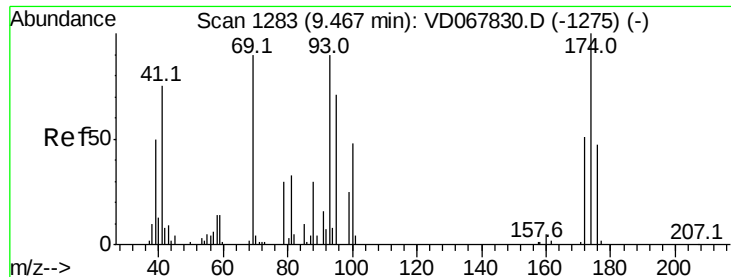
69 99.4 87.6 131.4

39 84.9 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

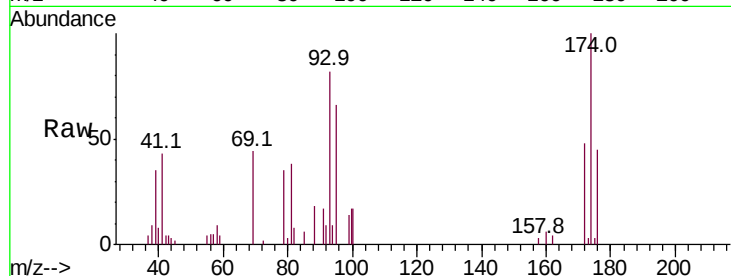




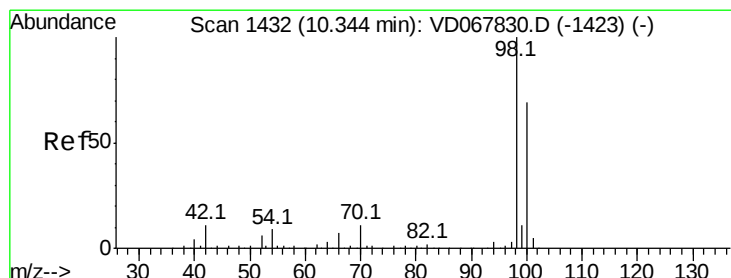
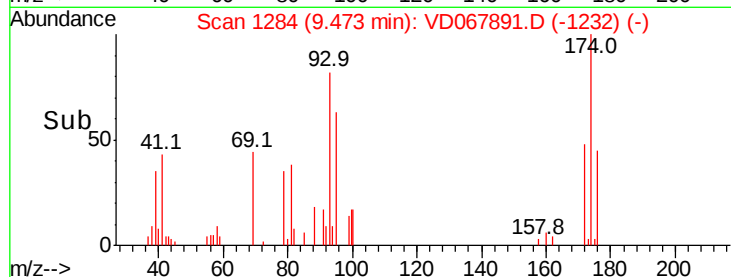
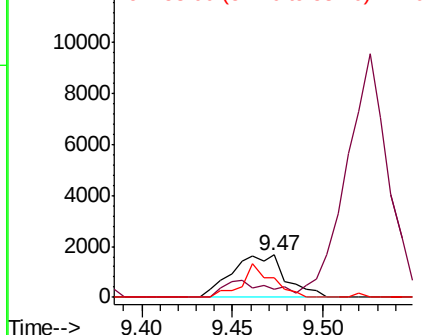
#49
1,4-Dioxane
Concen: 315.687 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion: 88 Resp: 3417
Ion Ratio Lower Upper
88 100
43 34.9 30.1 45.1
58 45.5 42.4 63.6

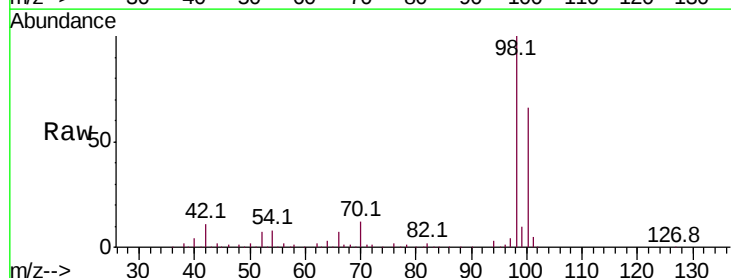


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

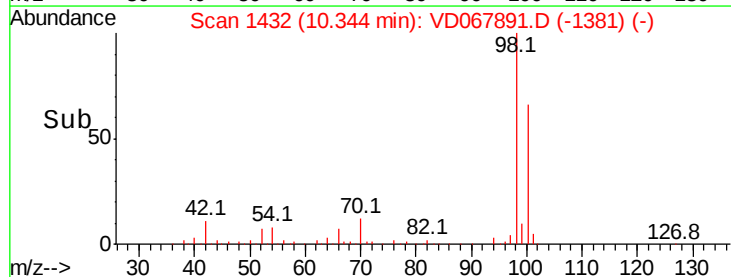
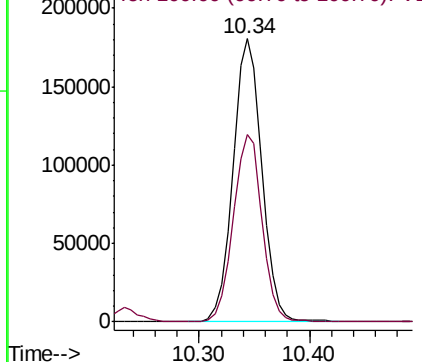


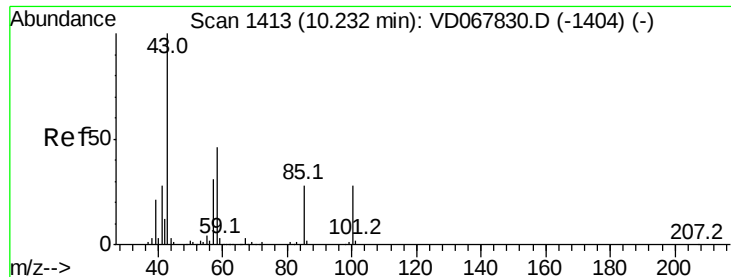
#50
Toluene-d8
Concen: 48.863 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion: 98 Resp: 329835
Ion Ratio Lower Upper
98 100
100 66.6 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: 84.915 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

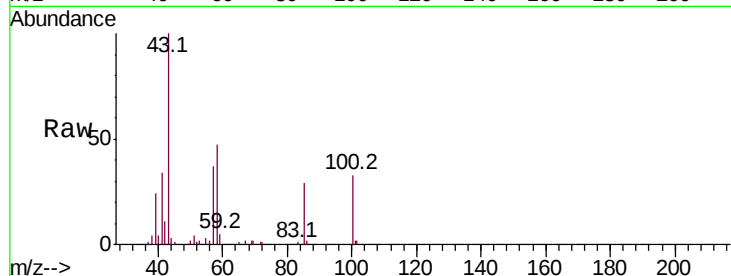
VD1207SBS01

Tot Ion: 43 Resp: 51703

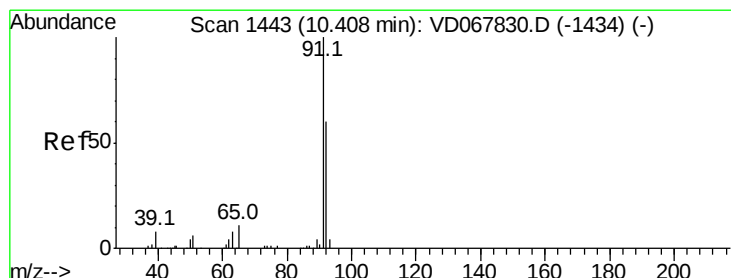
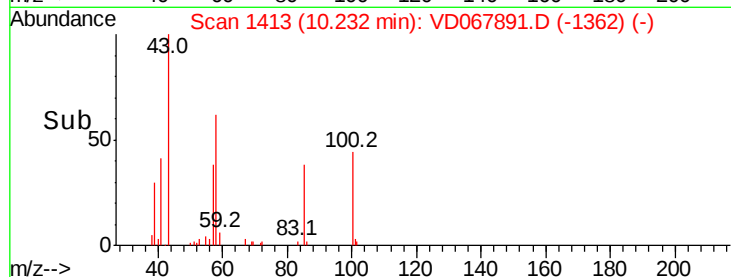
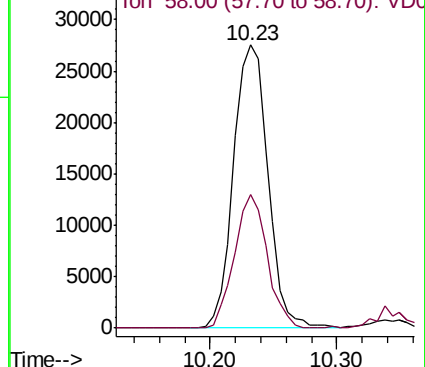
Ion Ratio Lower Upper

43 100

58 45.1 35.7 53.5



Abundance Ion 43.00 (42.70 to 43.70): VDC



#52

Toluene

Concen: 20.682 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067891.D

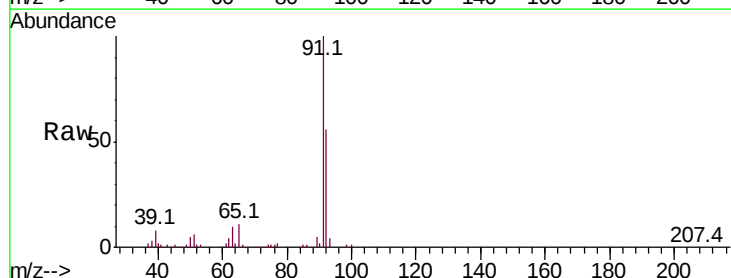
Acq: 07 Dec 2020 11:15

Tgt Ion: 92 Resp: 95985

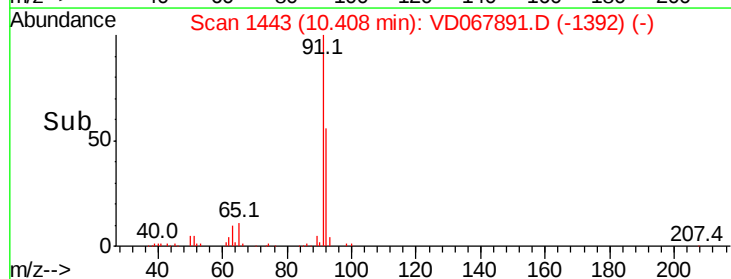
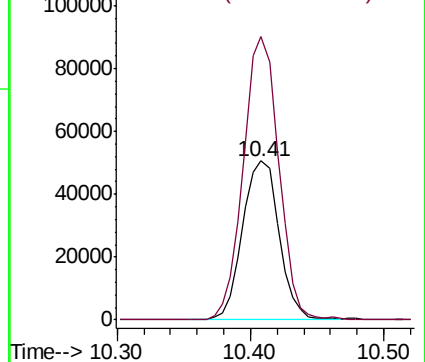
Ion Ratio Lower Upper

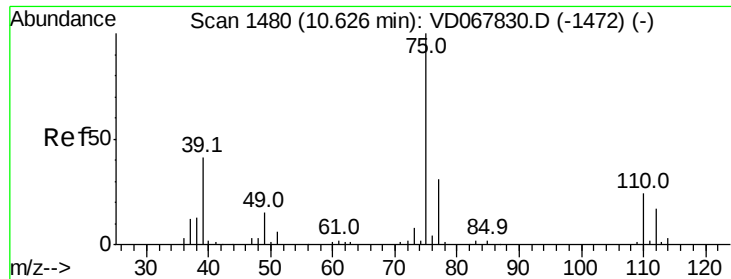
92 100

91 173.0 134.2 201.2



Abundance Ion 92.00 (91.70 to 92.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.942 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

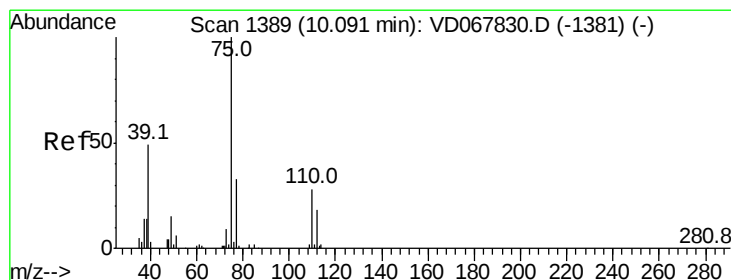
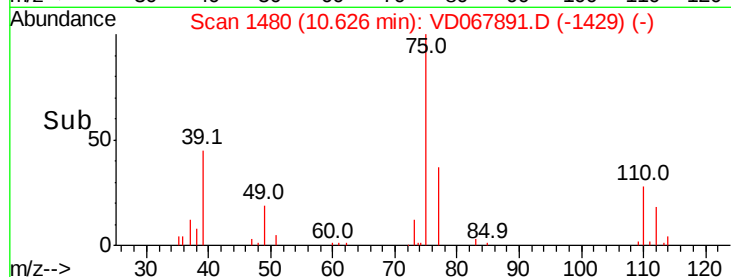
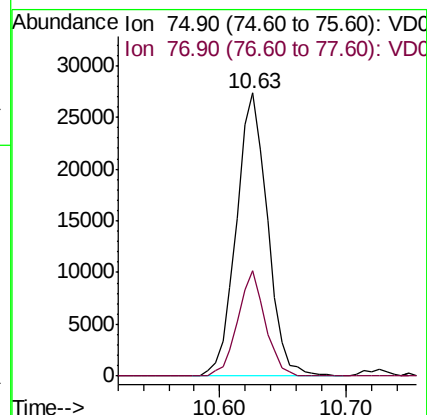
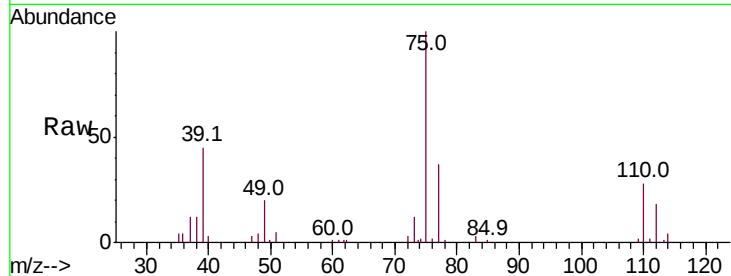
VD1207SBS01

Tot Ion: 75 Resp: 46481

Ion Ratio Lower Upper

75 100

77 37.1 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 20.752 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

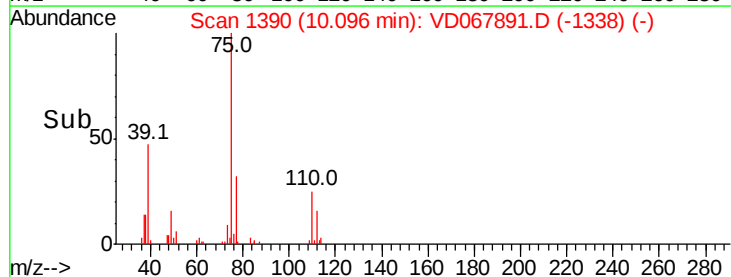
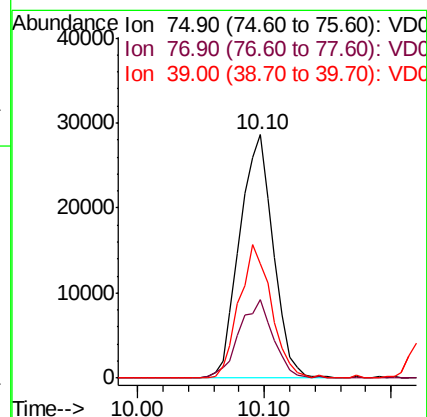
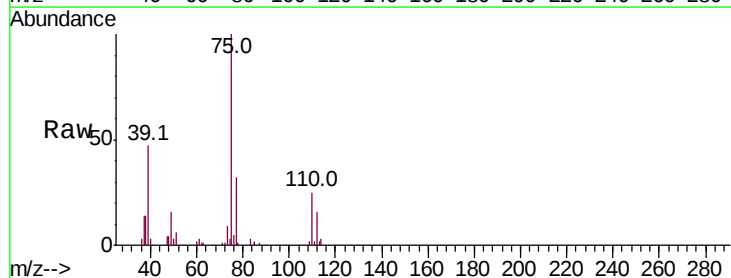
Tgt Ion: 75 Resp: 52615

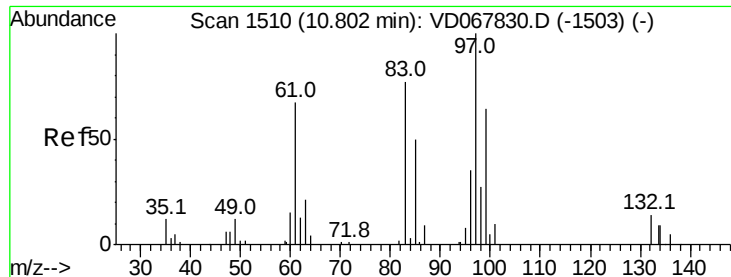
Ion Ratio Lower Upper

75 100

77 32.2 26.2 39.2

39 47.1 39.0 58.4

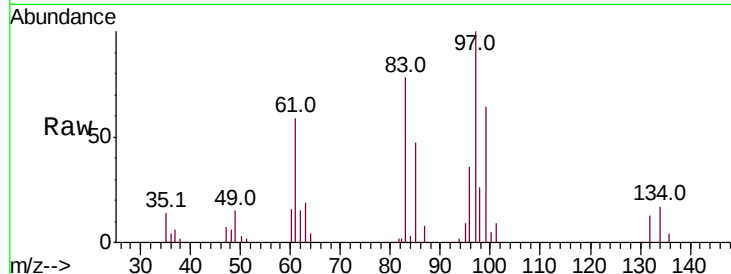




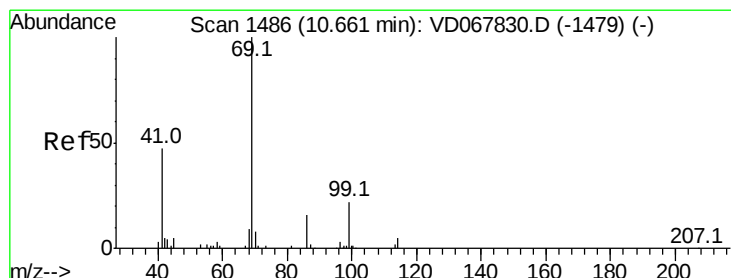
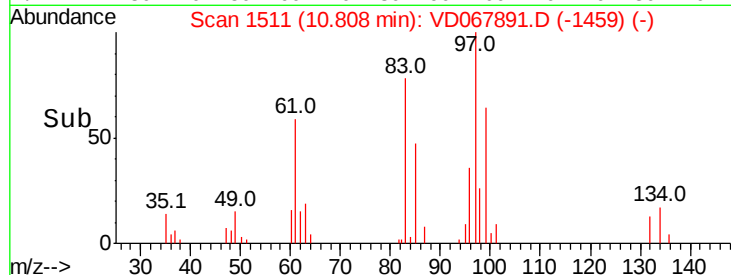
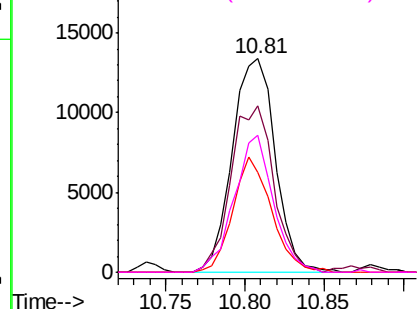
#55
 1,1,2-Trichloroethane
 Concen: 19.386 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067891.D
 Acq: 07 Dec 2020 11:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Tot Ion:	97	Resp:	25131
Ion	Ratio	Lower	Upper
97	100		
83	77.8	61.9	92.9
85	46.6	40.2	60.4
99	64.3	51.0	76.6

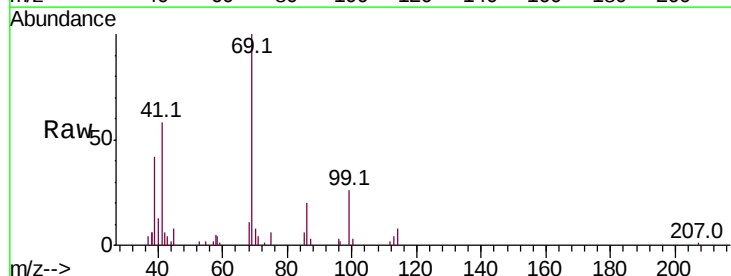


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

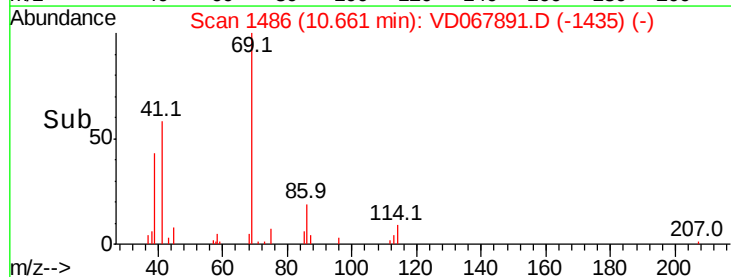
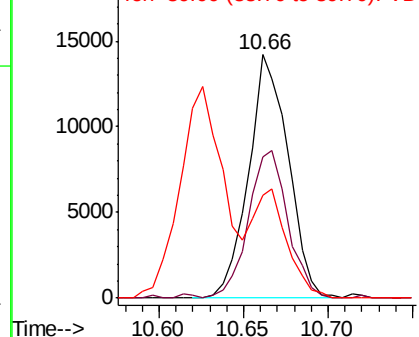


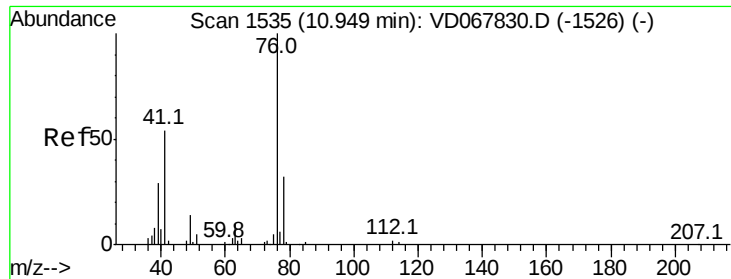
#56
 Ethyl methacrylate
 Concen: 17.610 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD067891.D
 Acq: 07 Dec 2020 11:15

Tgt Ion:	69	Resp:	23227
Ion	Ratio	Lower	Upper
69	100		
41	60.1	42.8	64.2
39	39.0	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

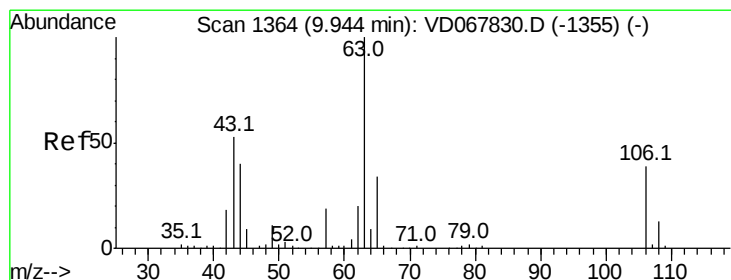
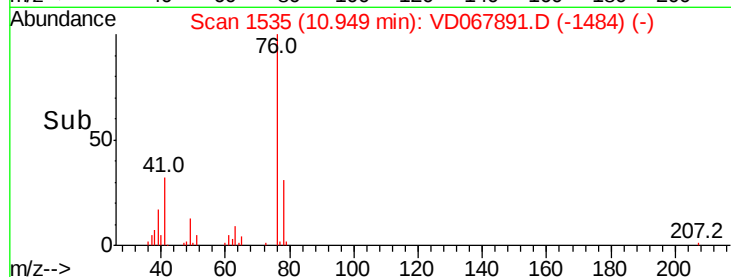
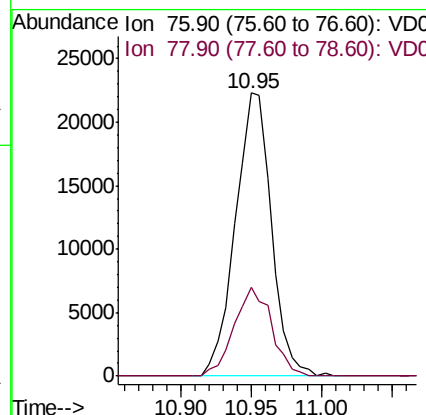
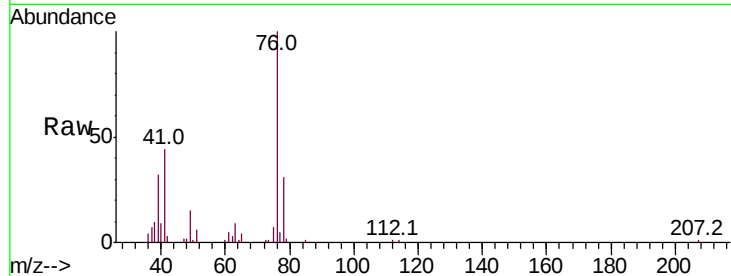




#57
 1,3-Dichloropropane
 Concen: 19.317 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD067891.D
 Acq: 07 Dec 2020 11:15

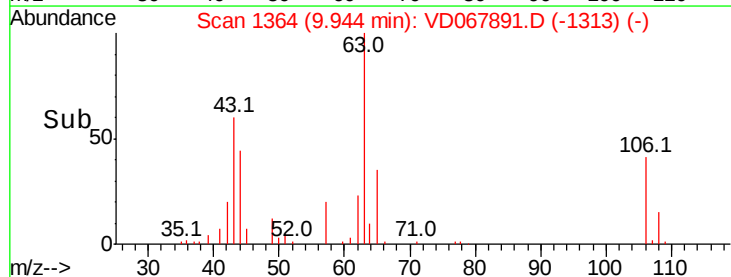
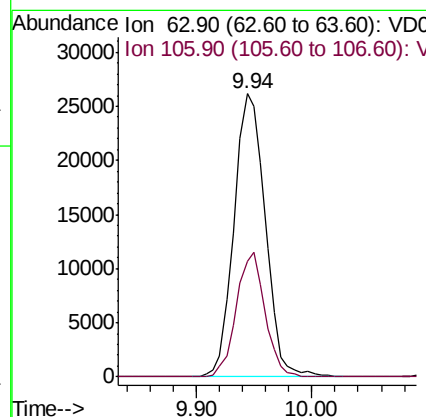
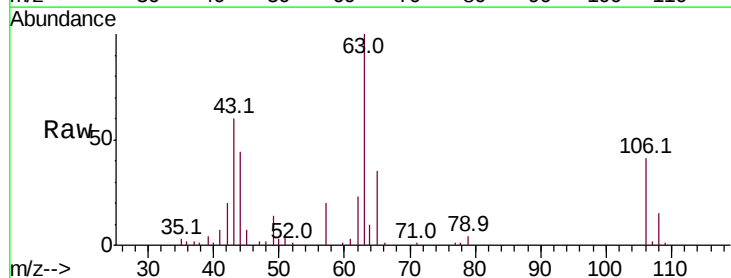
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

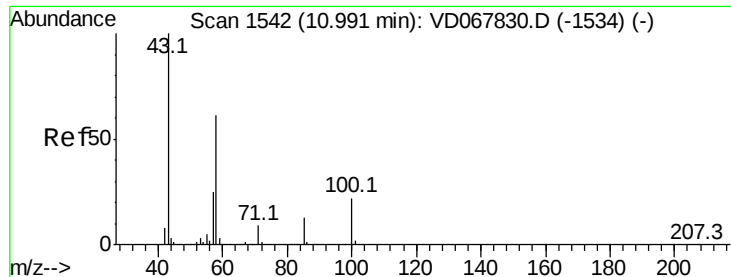
Tot Ion: 76 Resp: 39667
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.6 39.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 81.796 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD067891.D
 Acq: 07 Dec 2020 11:15

Tgt Ion: 63 Resp: 49092
 Ion Ratio Lower Upper
 63 100
 106 40.3 32.0 48.0





#59

2-Hexanone

Concen: 84.843 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. -0.01 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

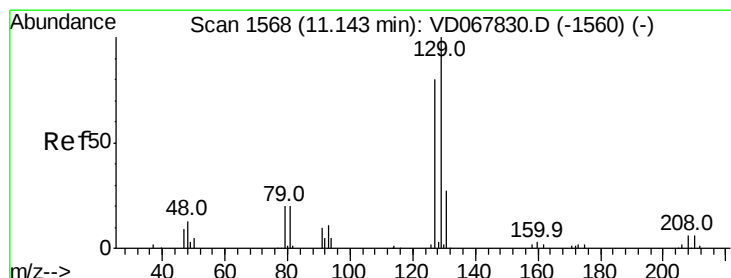
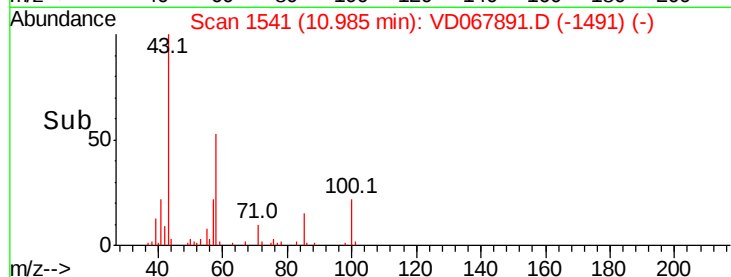
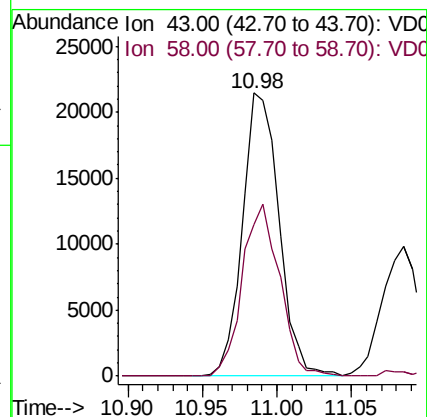
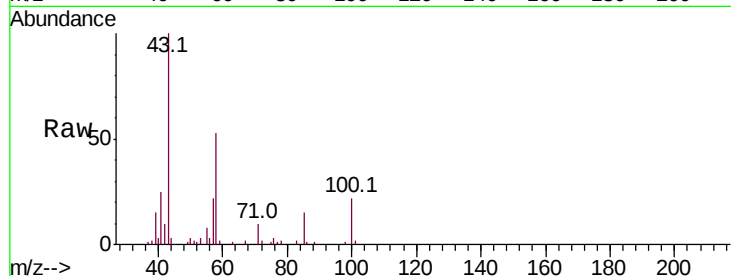
VD1207SBS01

Tot Ion: 43 Resp: 36417

Ion Ratio Lower Upper

43 100

58 62.0 29.9 89.7



#60

Dibromochloromethane

Concen: 20.570 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VD067891.D

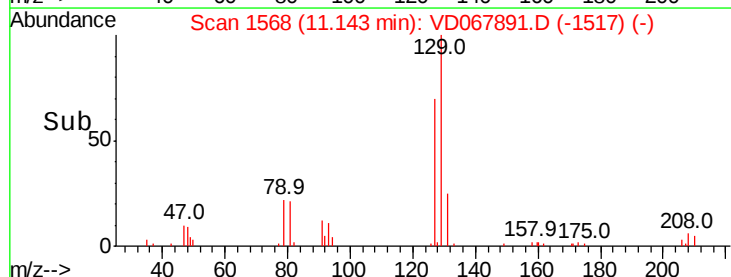
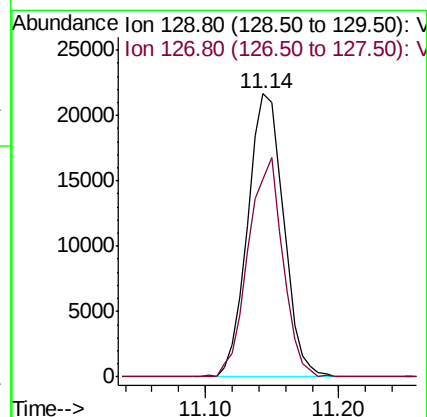
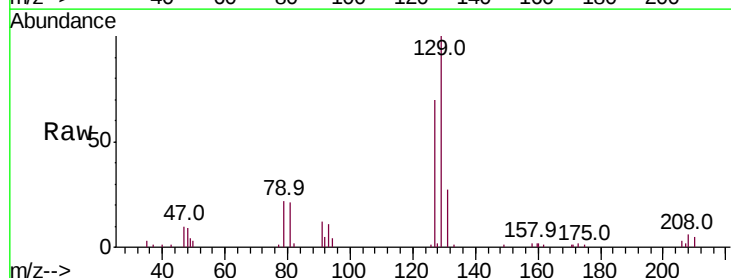
Acq: 07 Dec 2020 11:15

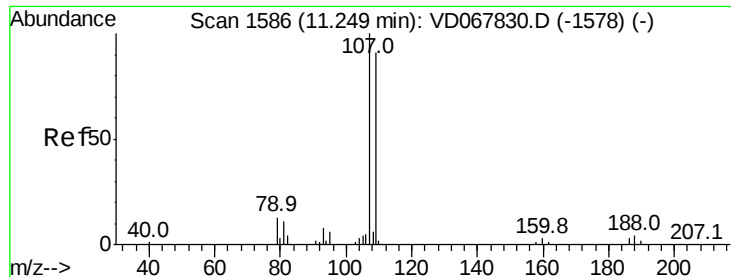
Tgt Ion: 129 Resp: 40196

Ion Ratio Lower Upper

129 100

127 74.5 39.2 117.6

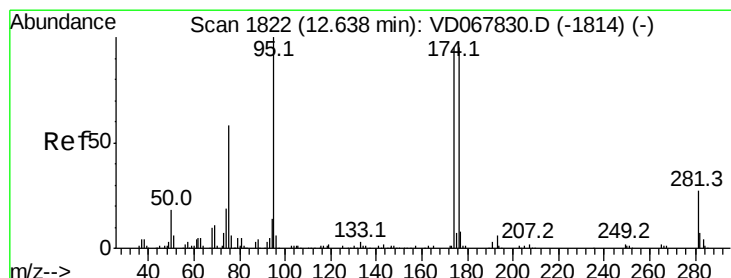
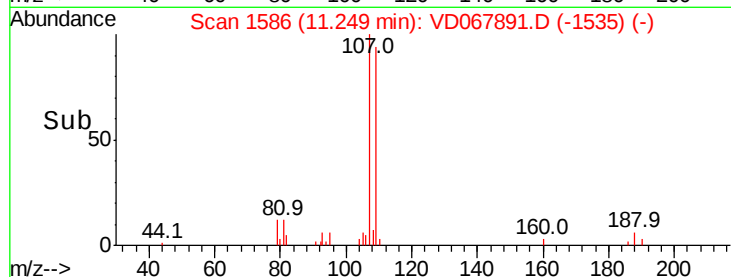
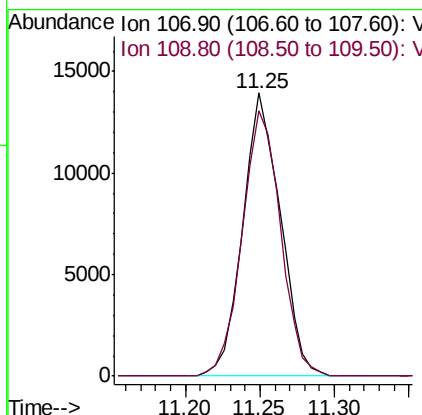
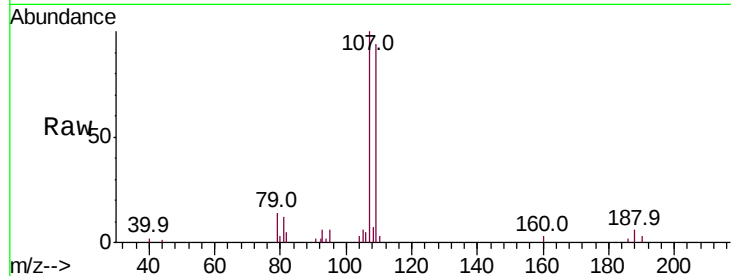




#61
 1,2-Dibromoethane
 Concen: 19.054 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067891.D
 Acq: 07 Dec 2020 11:15

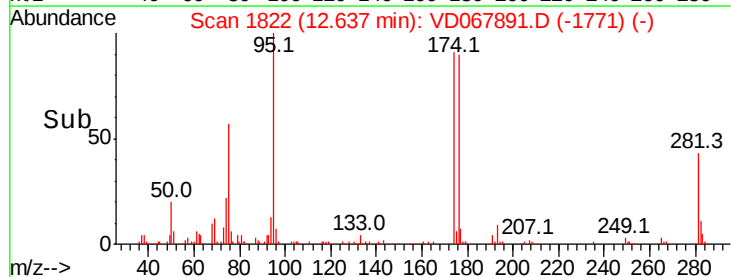
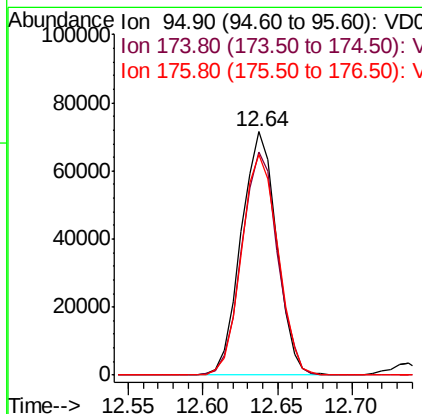
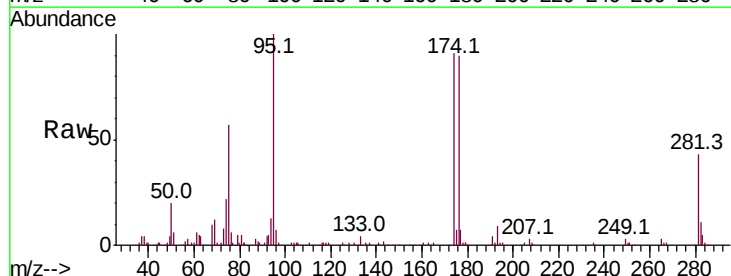
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

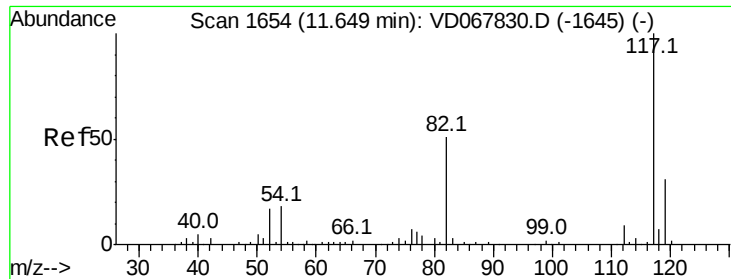
Tot Ion:107 Resp: 24291
 Ion Ratio Lower Upper
 107 100
 109 95.7 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 50.486 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067891.D
 Acq: 07 Dec 2020 11:15

Tgt Ion: 95 Resp: 117822
 Ion Ratio Lower Upper
 95 100
 174 92.3 0.0 186.0
 176 92.6 0.0 184.2

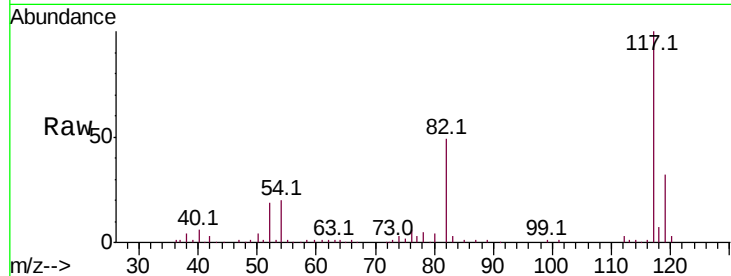




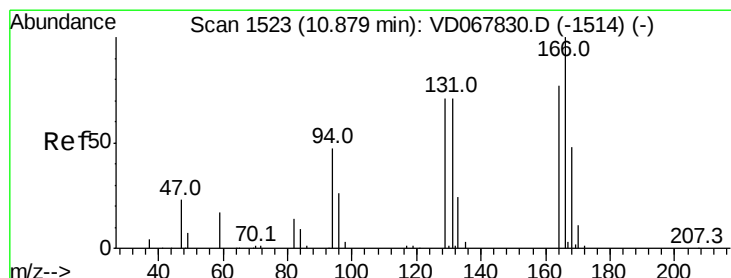
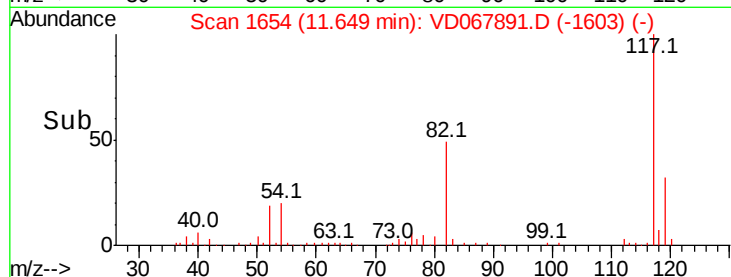
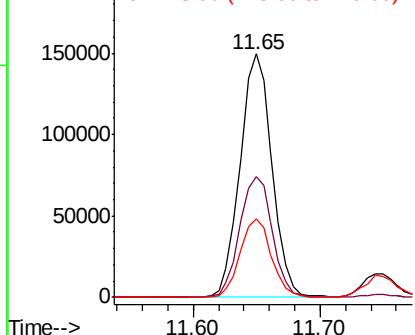
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion:117 Resp: 260777
Ion Ratio Lower Upper
117 100
82 49.5 40.6 60.8
119 32.1 25.1 37.7

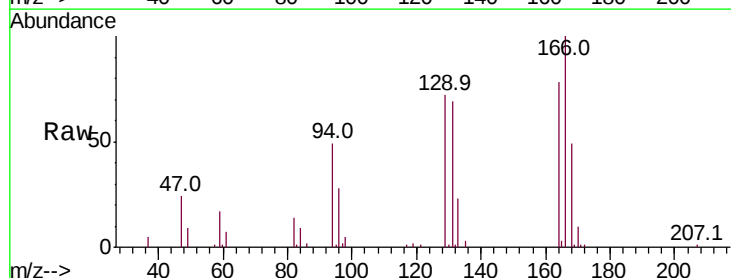


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

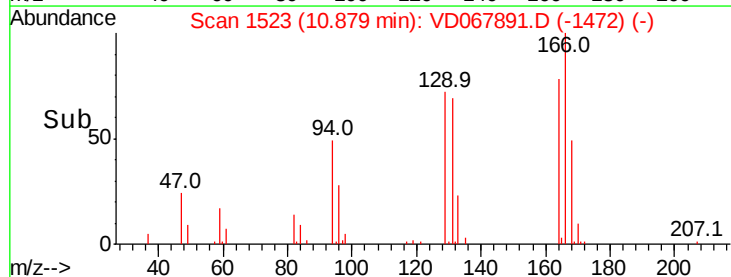
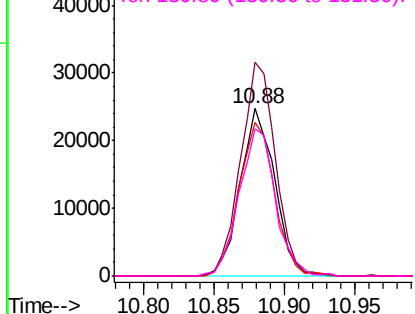


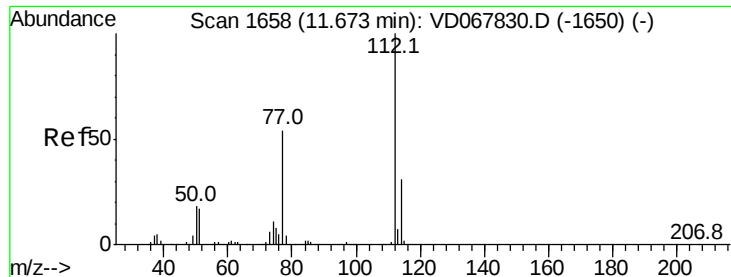
#64
Tetrachloroethene
Concen: 20.043 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion:164 Resp: 42633
Ion Ratio Lower Upper
164 100
166 127.7 103.8 155.6
129 91.8 73.3 109.9
131 88.1 74.1 111.1



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

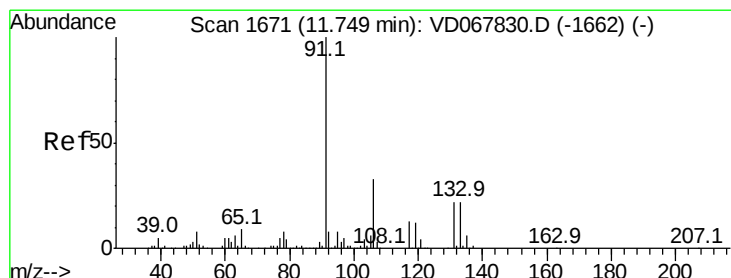
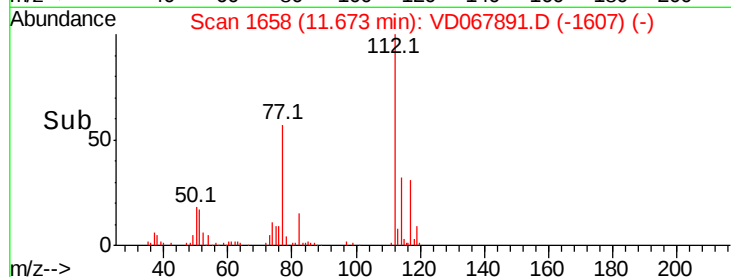
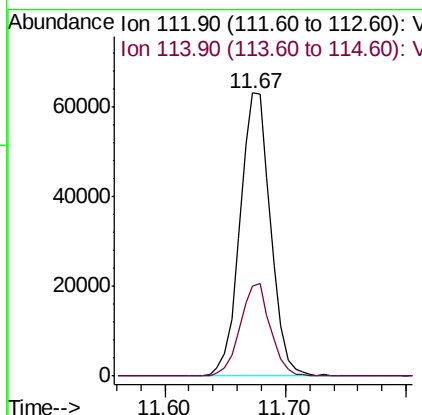
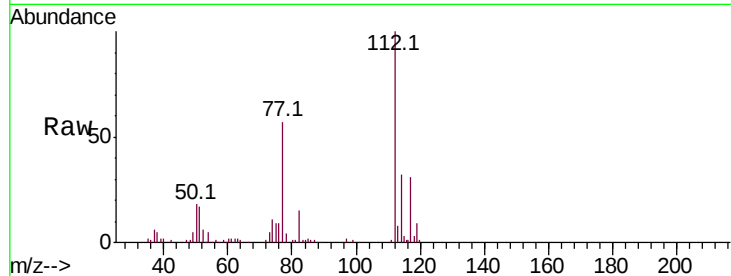




#65
Chlorobenzene
Concen: 20.741 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

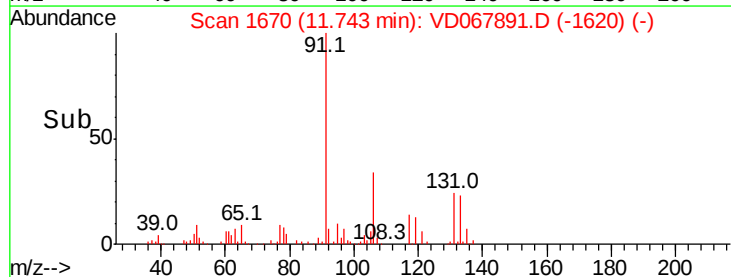
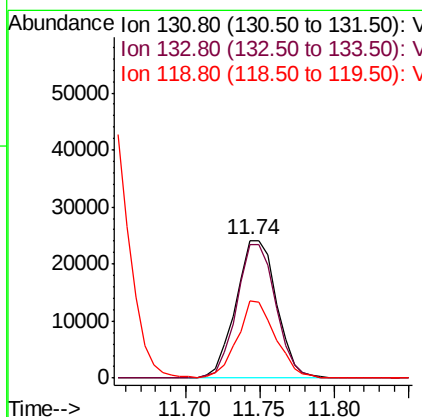
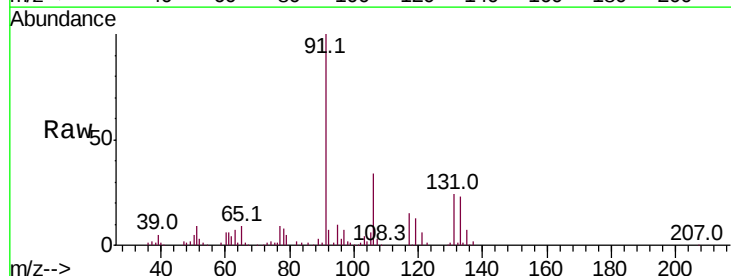
Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

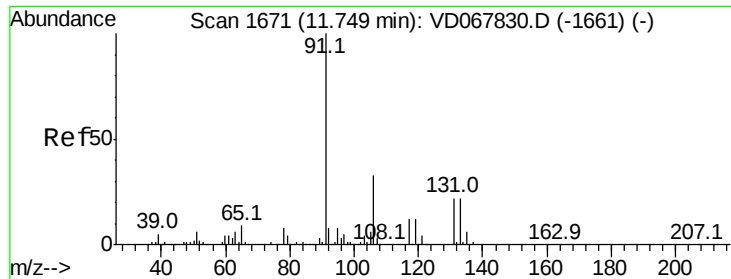
Tot Ion:112 Resp: 111604
Ion Ratio Lower Upper
112 100
114 31.7 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.844 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion:131 Resp: 45746
Ion Ratio Lower Upper
131 100
133 93.2 49.9 149.7
119 52.5 29.6 88.9





#67

Ethyl Benzene

Concen: 20.899 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

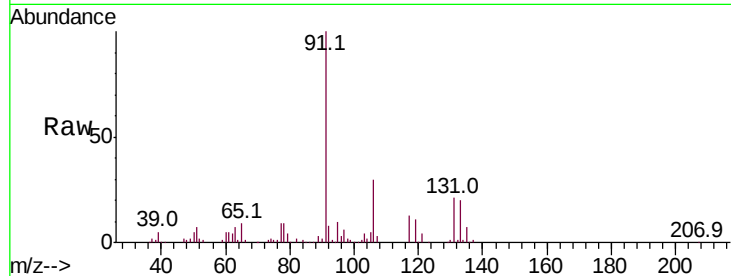
VD1207SBS01

Tot Ion: 91 Resp: 191565

Ion Ratio Lower Upper

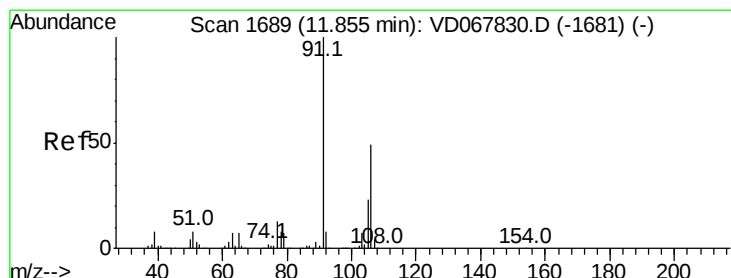
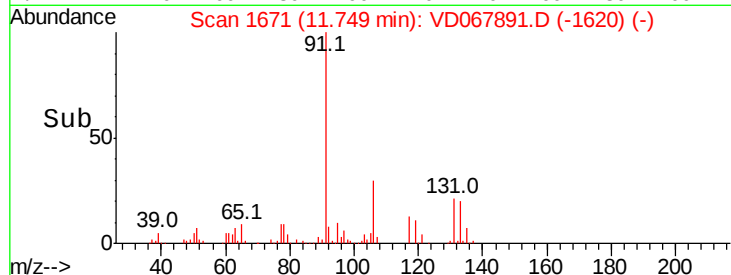
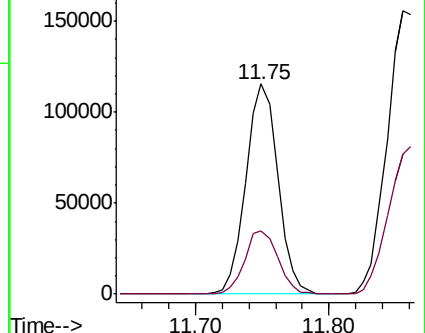
91 100

106 30.4 26.2 39.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 42.030 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD067891.D

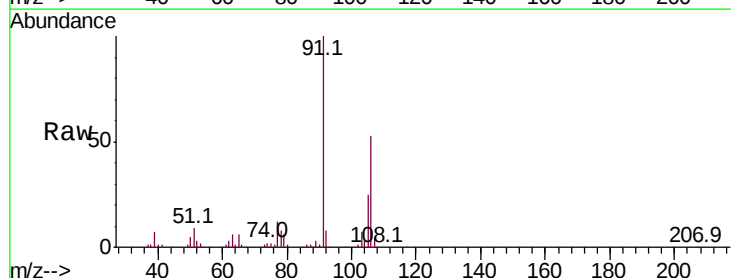
Acq: 07 Dec 2020 11:15

Tgt Ion: 106 Resp: 151912

Ion Ratio Lower Upper

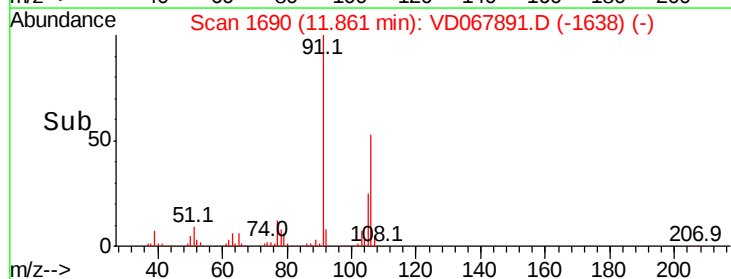
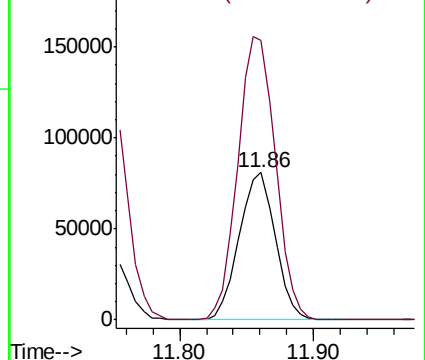
106 100

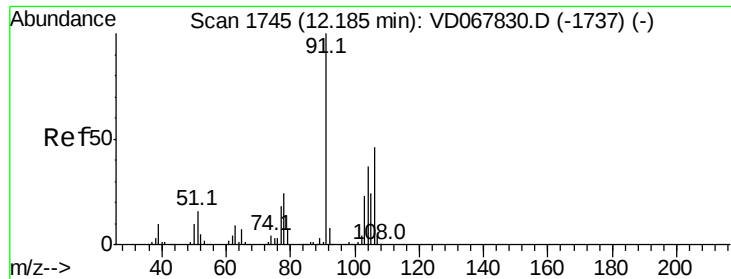
91 199.8 162.8 244.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

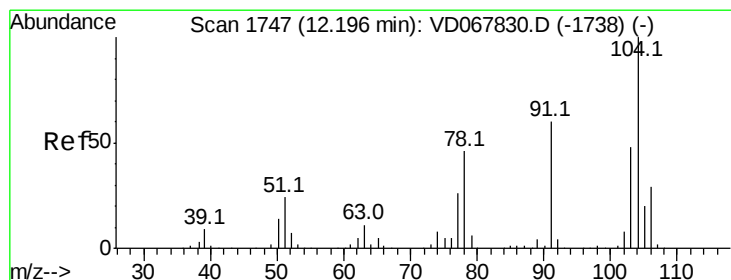
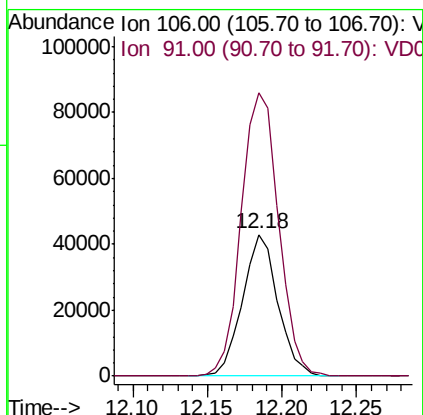
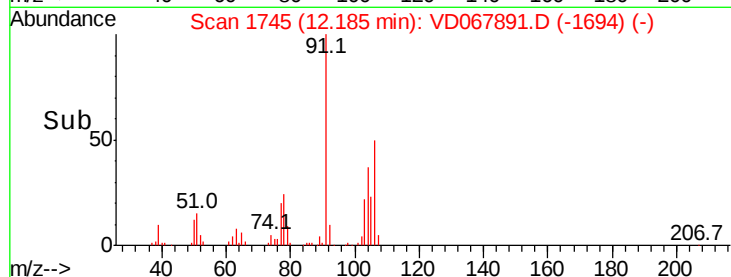
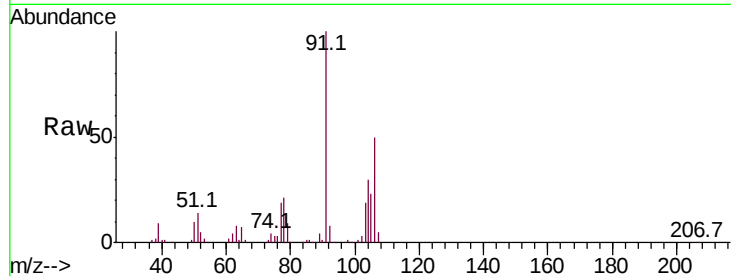




#69
o-Xylene
Concen: 21.909 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

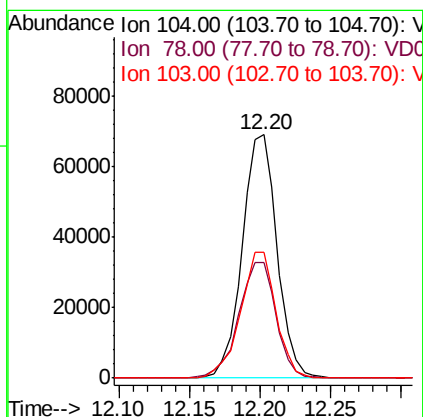
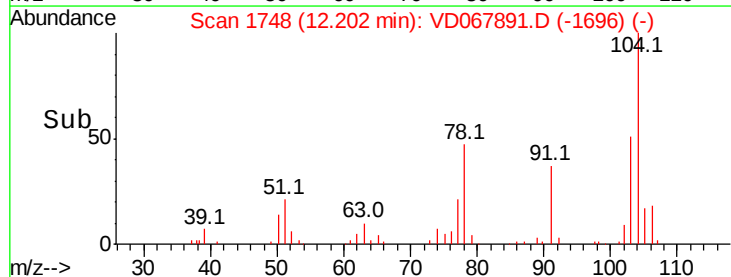
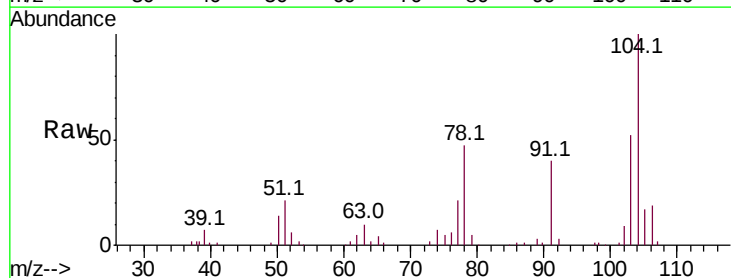
Instrument :
MSVOA_D
ClientSampleID :
VD1207SBS01

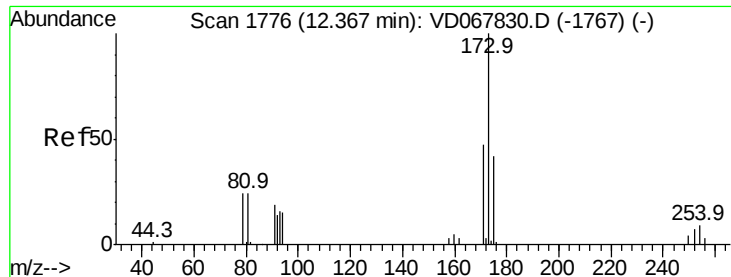
Tot Ion:106 Resp: 70298
Ion Ratio Lower Upper
106 100
91 211.8 107.5 322.5



#70
Styrene
Concen: 21.298 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion:104 Resp: 118829
Ion Ratio Lower Upper
104 100
78 50.9 41.6 62.4
103 52.6 43.2 64.8

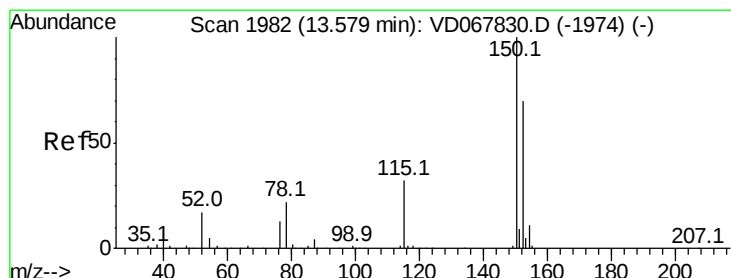
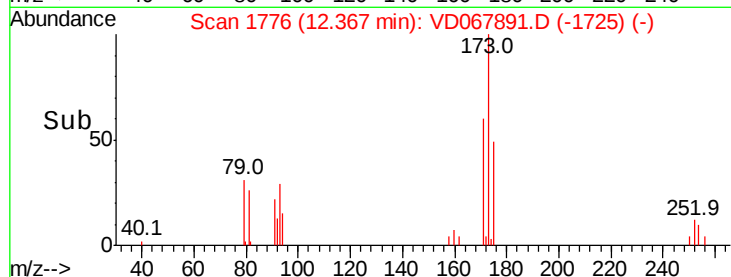
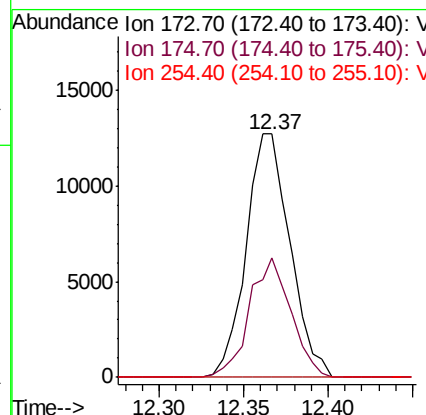
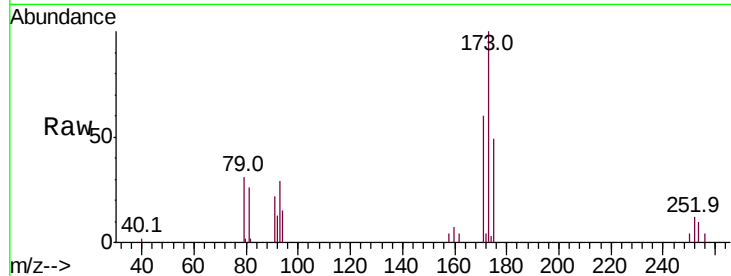




#71
Bromoform
Concen: 19.752 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

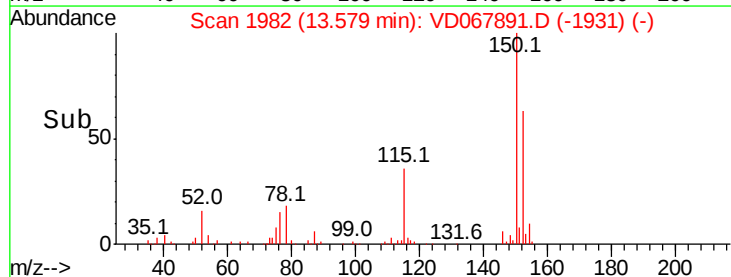
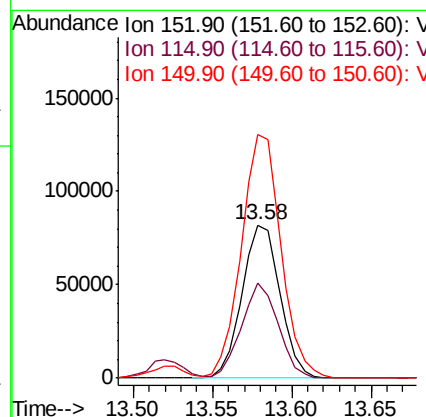
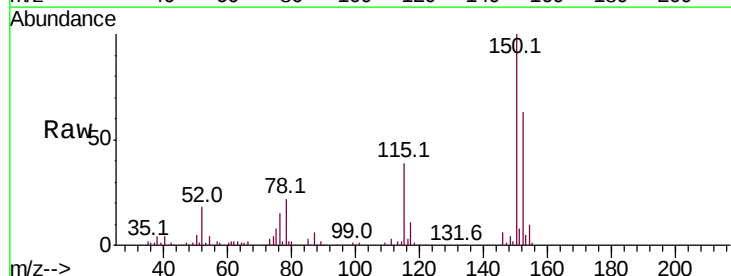
Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

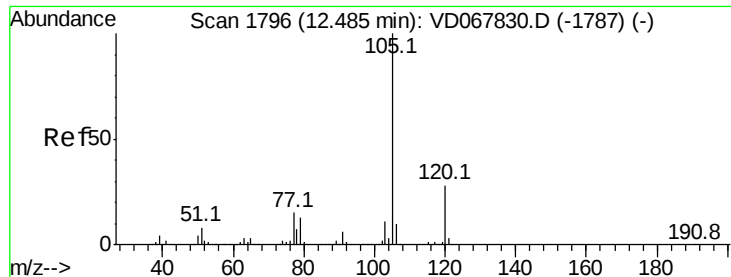
Tot Ion:173 Resp: 22946
Ion Ratio Lower Upper
173 100
175 46.5 23.4 70.3
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion:152 Resp: 136572
Ion Ratio Lower Upper
152 100
115 59.9 29.1 87.4
150 165.7 0.0 339.0





#73

Isopropylbenzene

Concen: 20.916 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

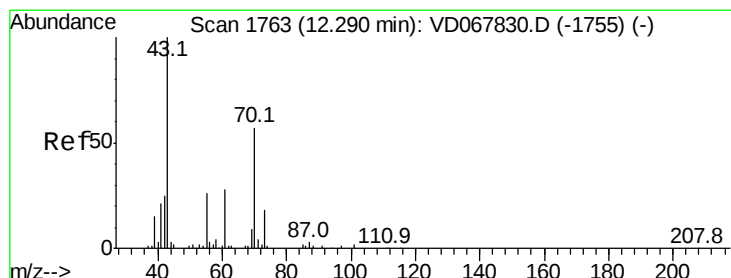
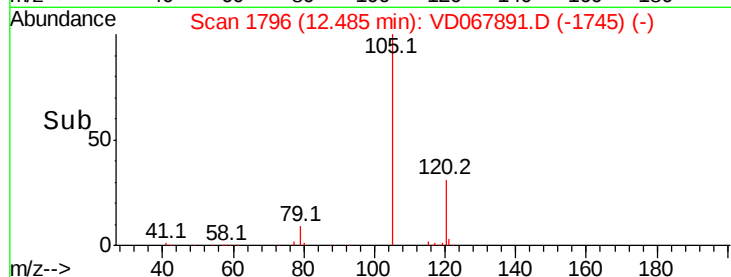
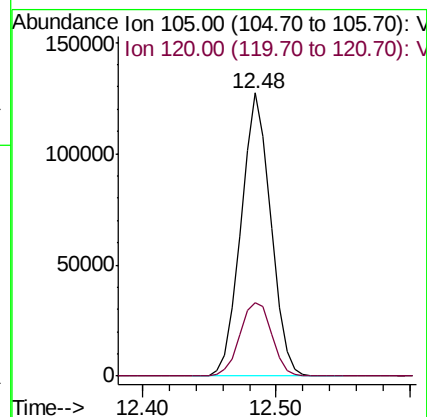
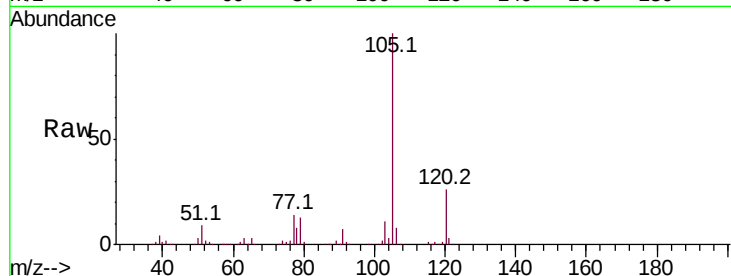
VD1207SBS01

Tot Ion:105 Resp: 196441

Ion Ratio Lower Upper

105 100

120 27.6 13.9 41.6



#74

N-ethyl acetate

Concen: 17.394 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Tgt Ion: 43 Resp: 20208

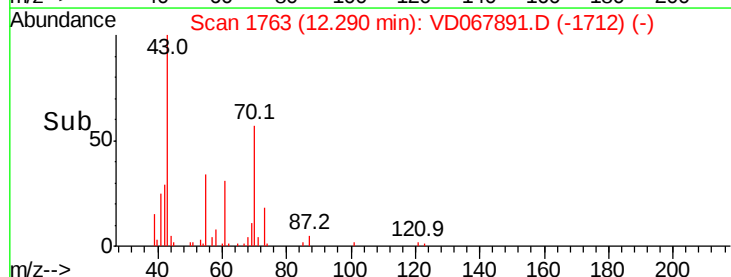
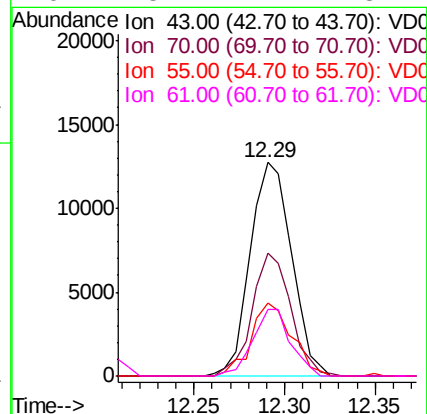
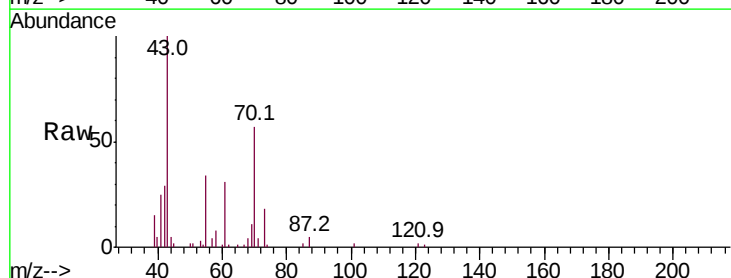
Ion Ratio Lower Upper

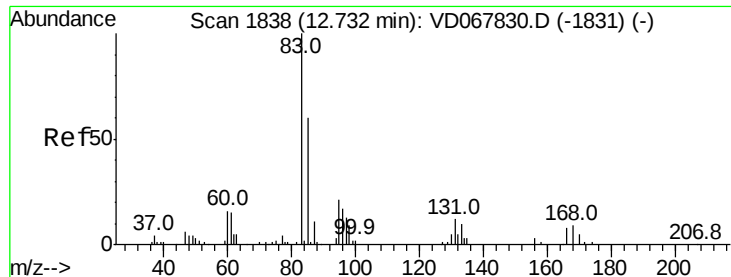
43 100

70 53.7 44.6 66.8

55 33.4 22.2 33.2#

61 28.7 22.7 34.1





#75

1,1,2,2-Tetrachloroethane

Concen: 17.732 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

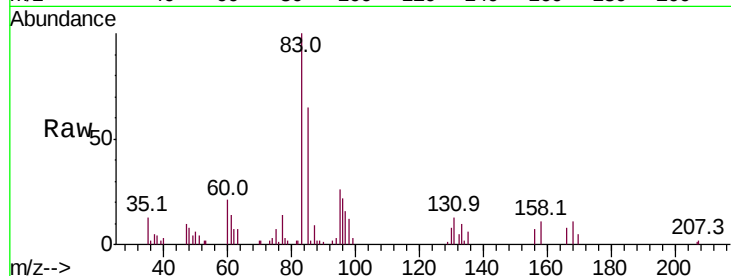
Tot Ion: 83 Resp: 21987

Ion Ratio Lower Upper

83 100

131 15.6 8.0 24.0

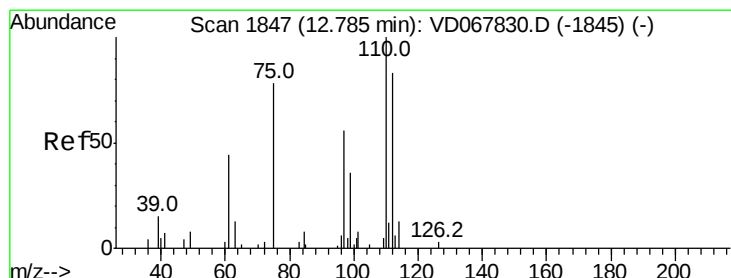
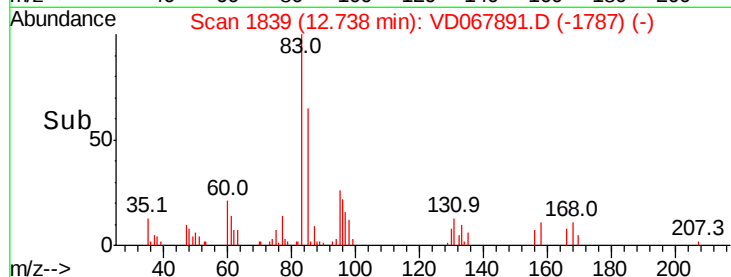
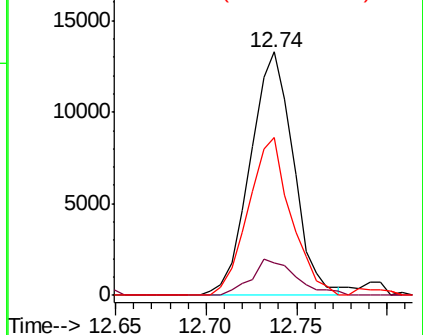
85 64.2 31.7 95.1



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: 34.134 ug/l

RT: 12.78 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VD067891.D

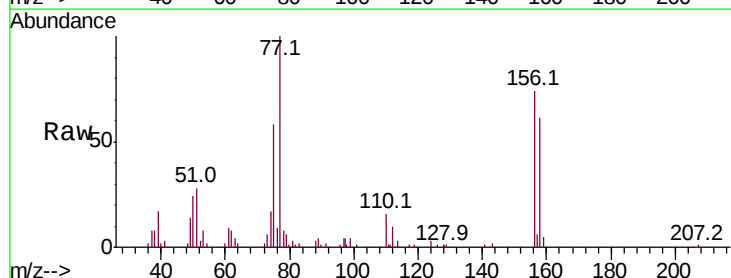
Acq: 07 Dec 2020 11:15

Tgt Ion: 75 Resp: 33948

Ion Ratio Lower Upper

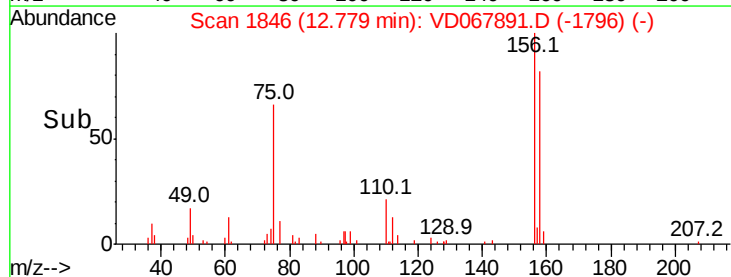
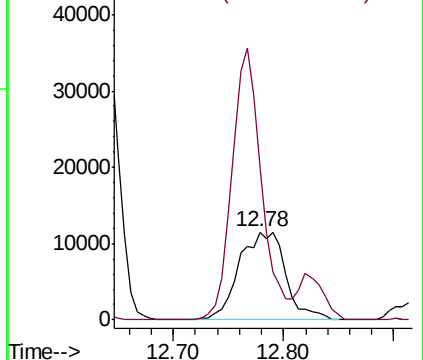
75 100

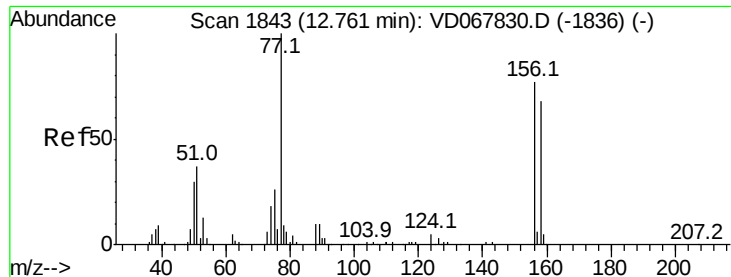
77 198.4 175.9 527.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 19.916 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

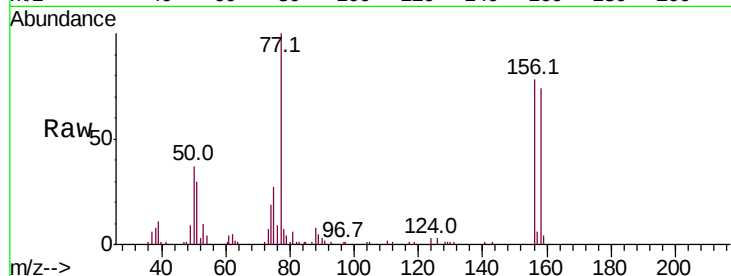
Tot Ion:156 Resp: 46502

Ion Ratio Lower Upper

156 100

77 144.8 71.5 214.5

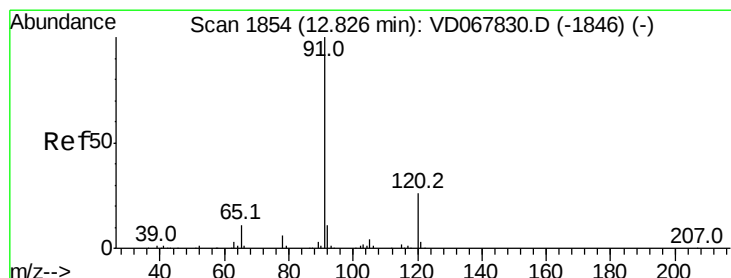
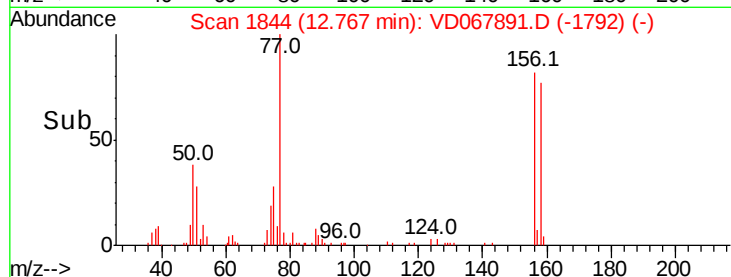
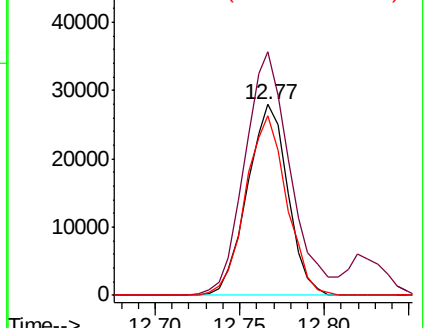
158 95.7 47.1 141.4



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: 20.878 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067891.D

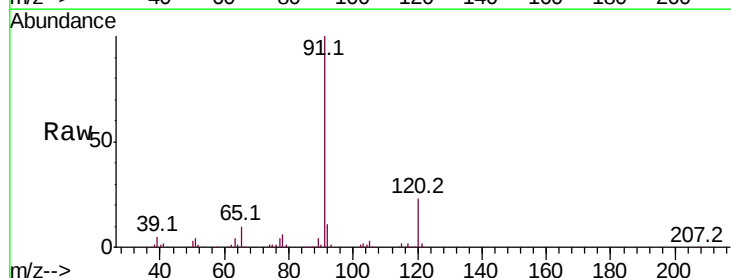
Acq: 07 Dec 2020 11:15

Tgt Ion: 91 Resp: 217336

Ion Ratio Lower Upper

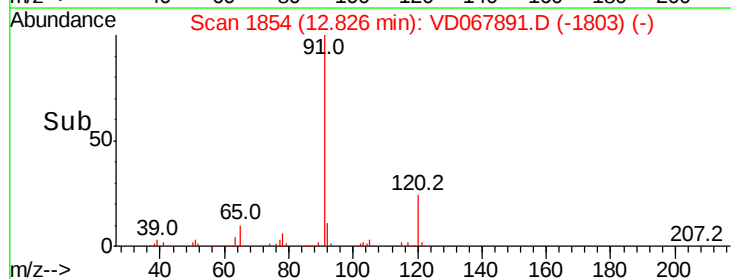
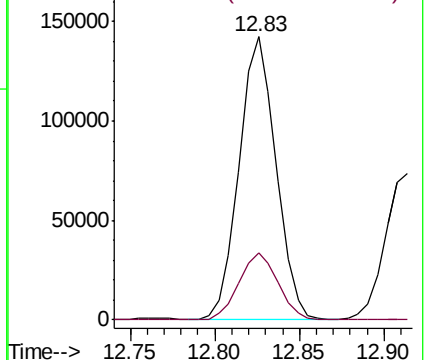
91 100

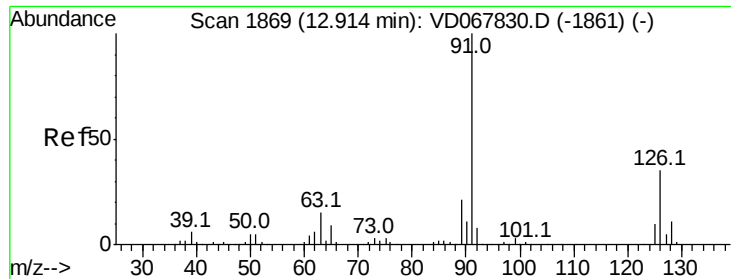
120 24.9 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

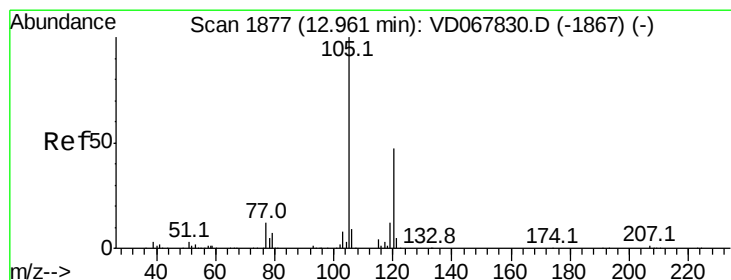
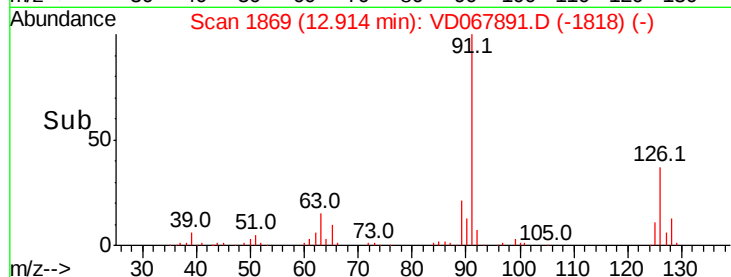
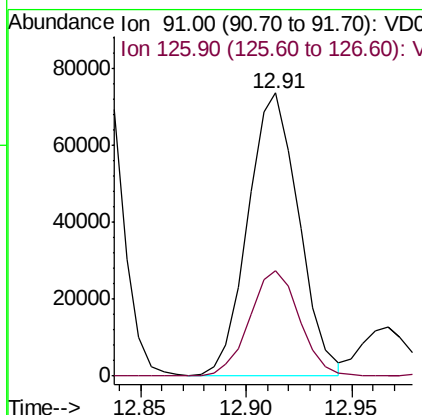
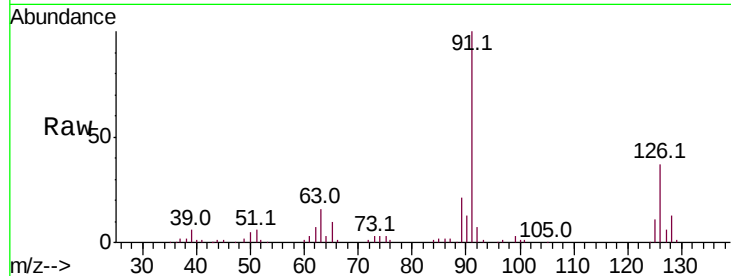




#79
 2-Chlorotoluene
 Concen: 20.211 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD067891.D
 Acq: 07 Dec 2020 11:15

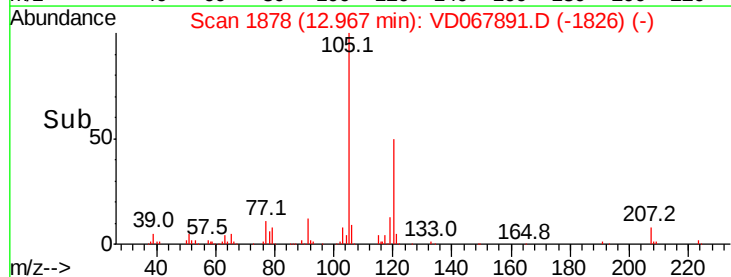
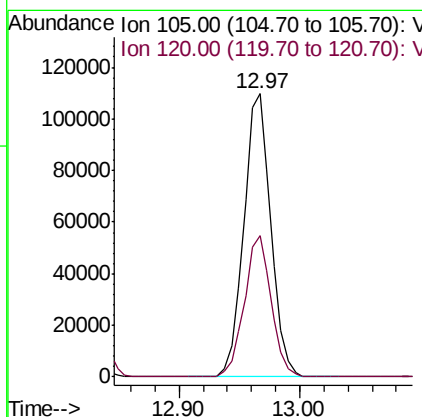
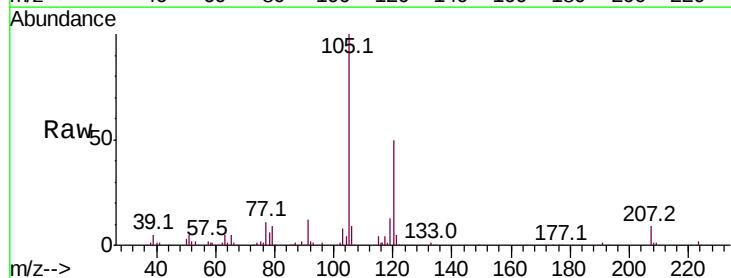
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

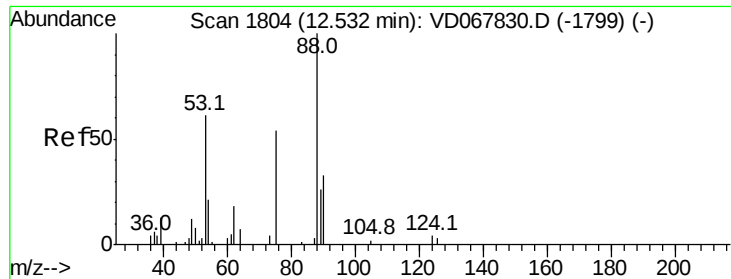
Tot Ion: 91 Resp: 123770
 Ion Ratio Lower Upper
 91 100
 126 36.4 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 21.010 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD067891.D
 Acq: 07 Dec 2020 11:15

Tgt Ion:105 Resp: 170847
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 16.906 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

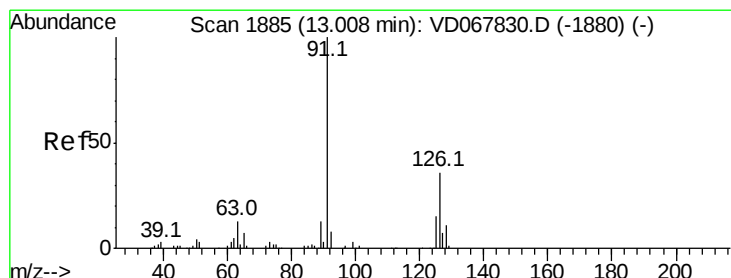
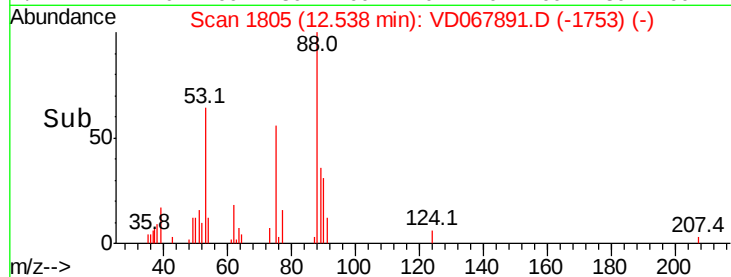
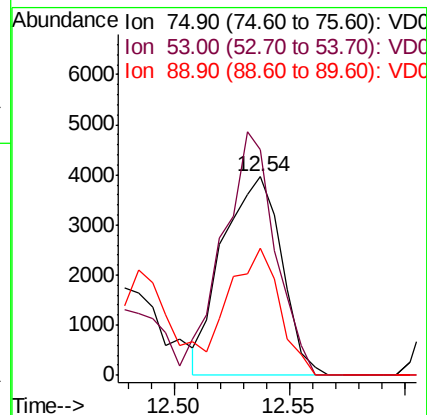
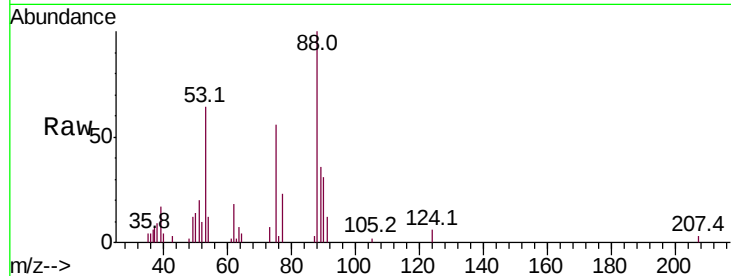
Tot Ion: 75 Resp: 7029

Ion Ratio Lower Upper

75 100

53 109.6 84.6 127.0

89 54.0 41.0 61.6



#82

4-Chlorotoluene

Concen: 20.002 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD067891.D

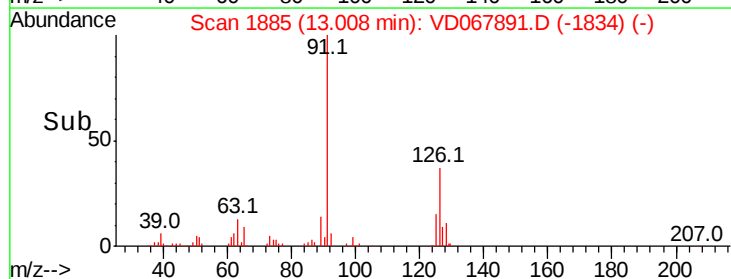
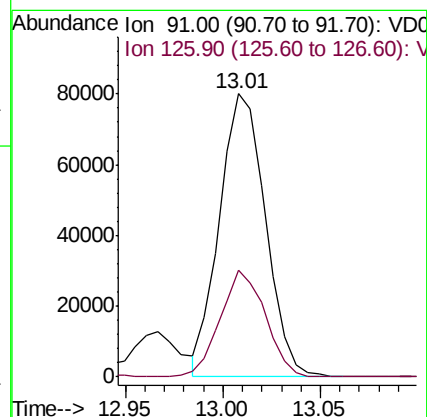
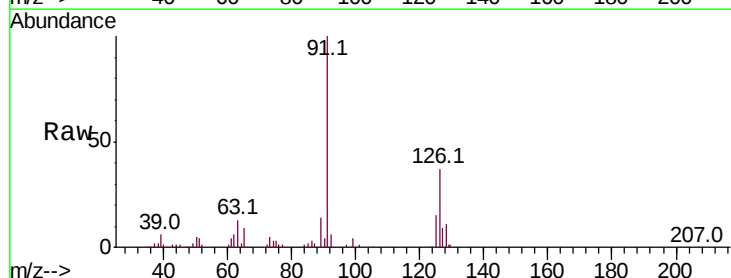
Acq: 07 Dec 2020 11:15

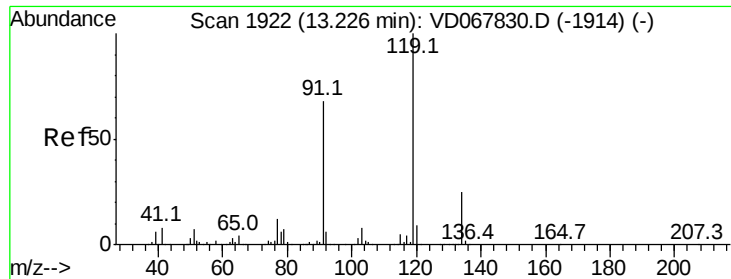
Tgt Ion: 91 Resp: 130662

Ion Ratio Lower Upper

91 100

126 37.1 18.1 54.4

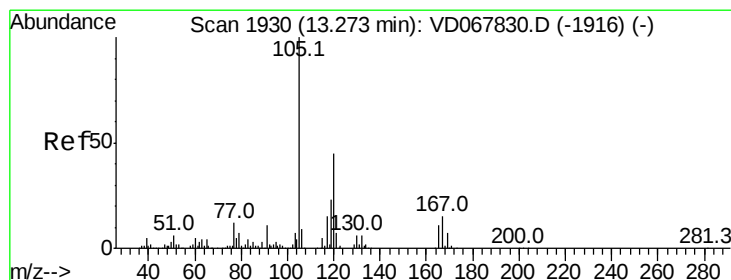
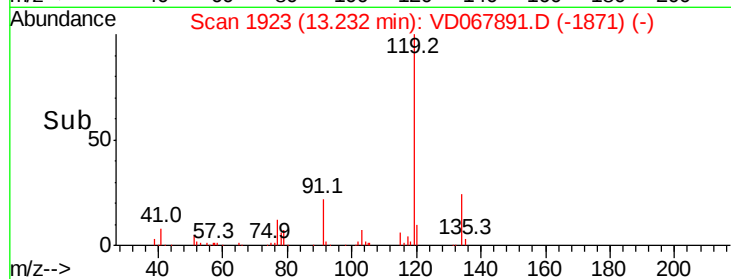
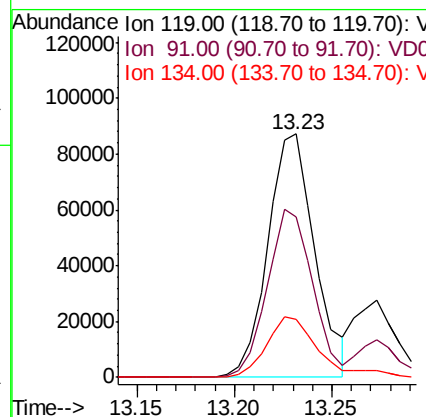
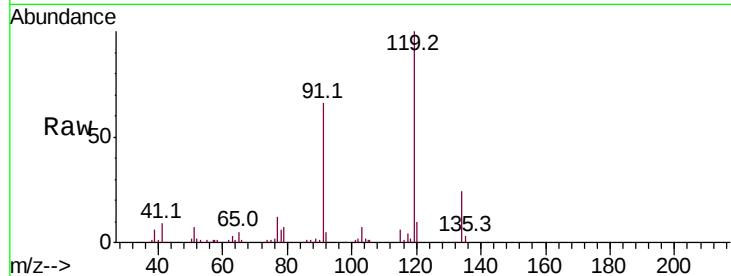




#83
tert-Butylbenzene
Concen: 20.997 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

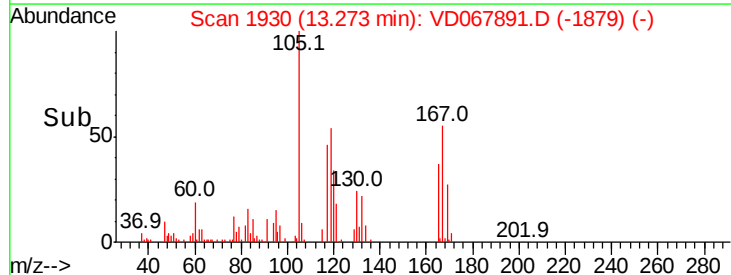
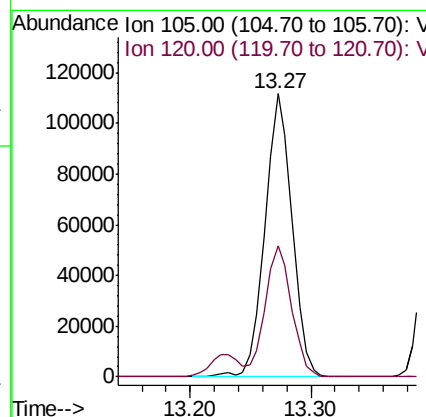
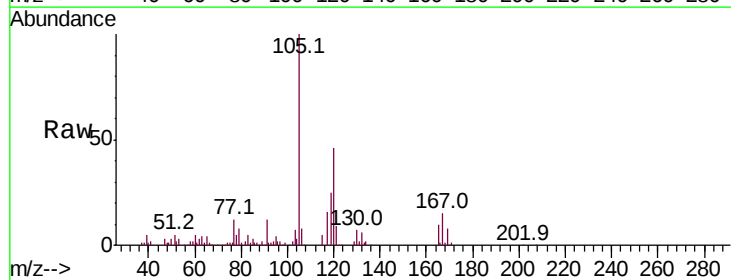
Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

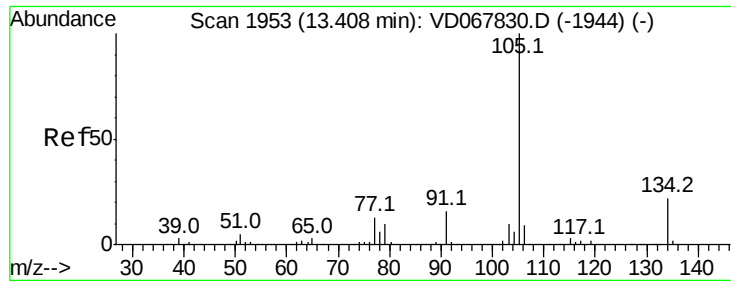
Tot Ion:119 Resp: 145295
Ion Ratio Lower Upper
119 100
91 66.8 33.1 99.3
134 27.9 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 21.405 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion:105 Resp: 173081
Ion Ratio Lower Upper
105 100
120 45.6 22.1 66.5





#85

sec-Butylbenzene

Concen: 20.491 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

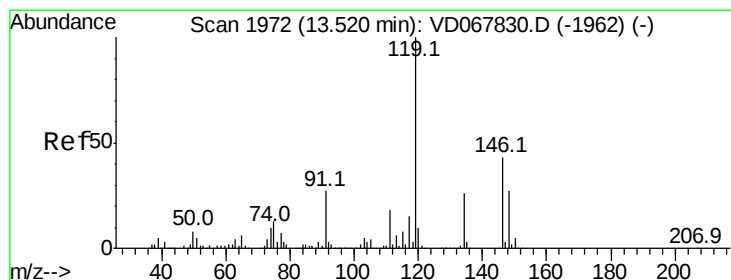
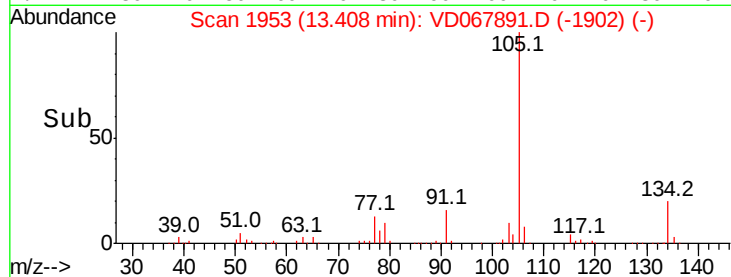
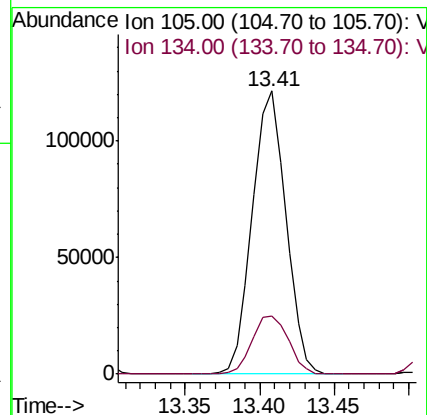
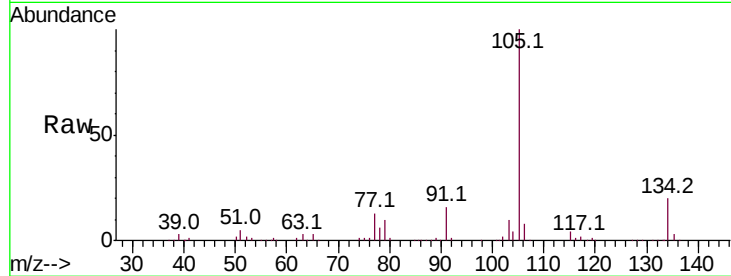
VD1207SBS01

Tot Ion:105 Resp: 189246

Ion Ratio Lower Upper

105 100

134 22.0 10.9 32.9



#86

p-Isopropyltoluene

Concen: 20.629 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

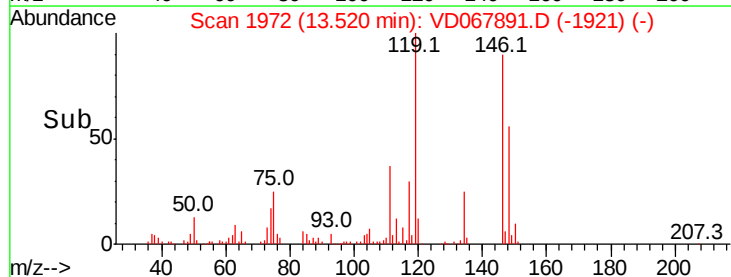
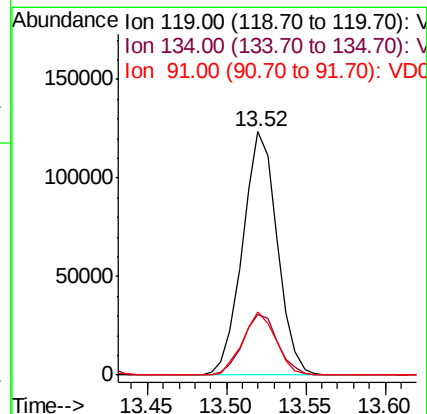
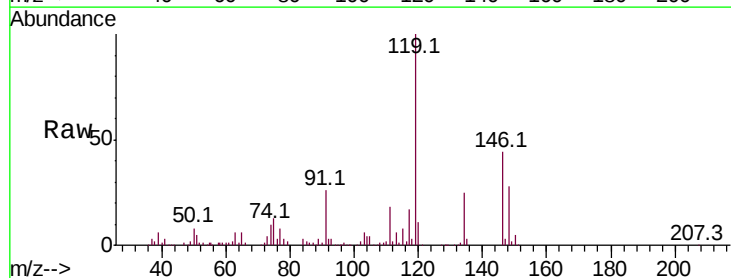
Tgt Ion:119 Resp: 186728

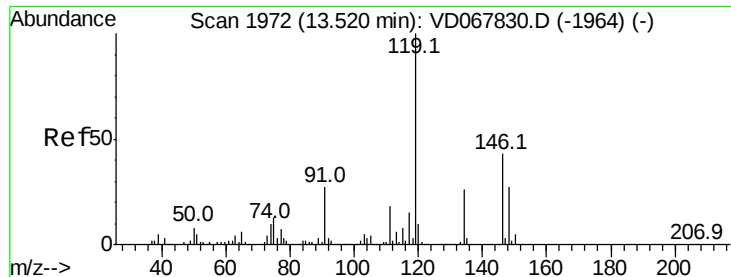
Ion Ratio Lower Upper

119 100

134 25.6 13.1 39.3

91 25.1 12.8 38.3

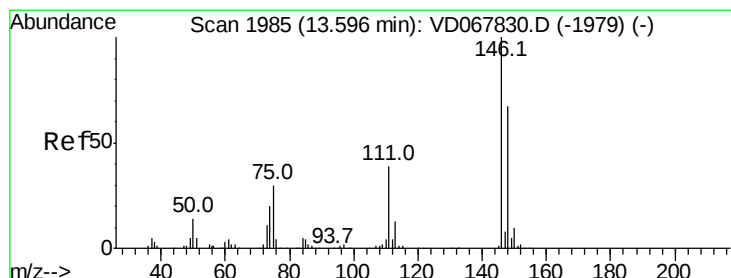
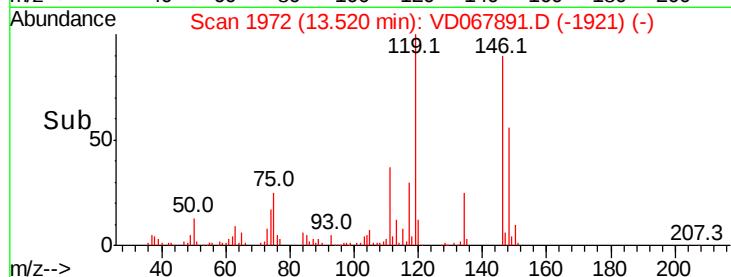
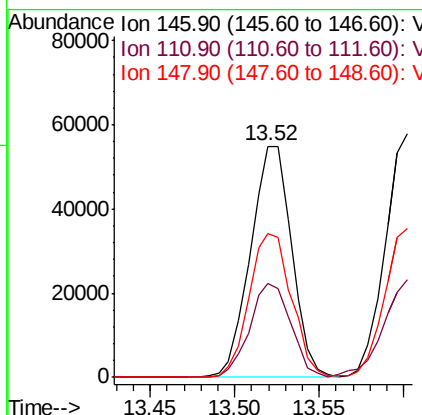
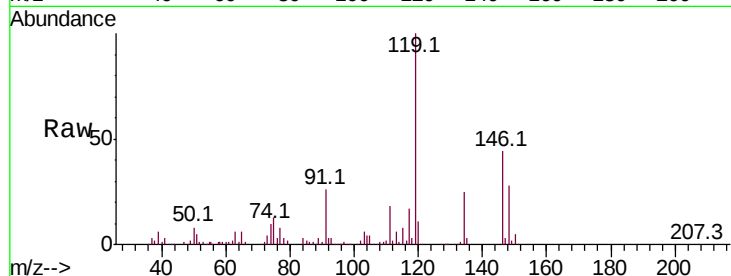




#87
 1,3-Dichlorobenzene
 Concen: 20.720 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067891.D
 Acq: 07 Dec 2020 11:15

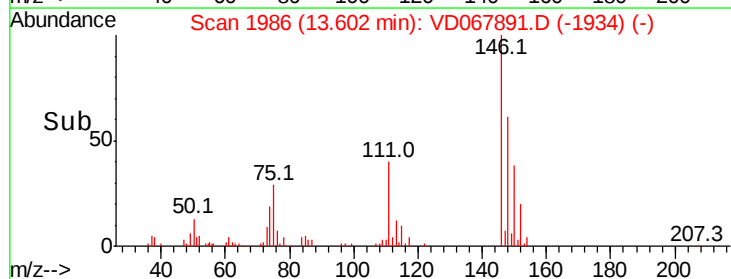
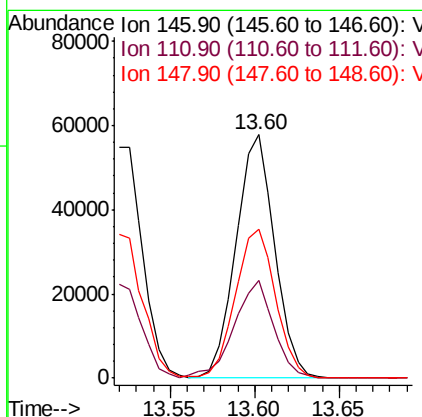
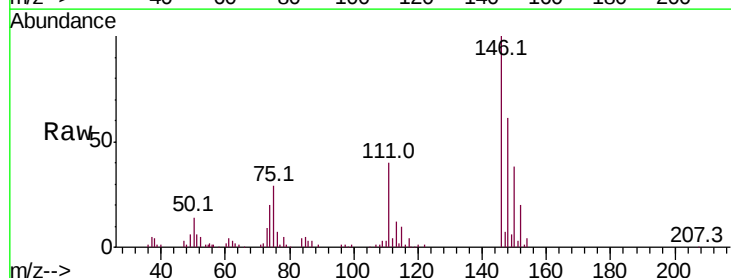
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

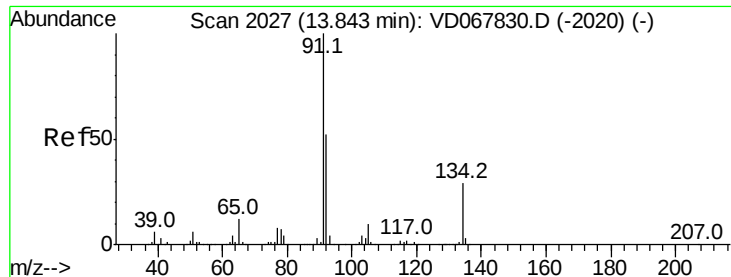
Tot Ion:146 Resp: 93324
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.8 62.2
 148 64.1 32.9 98.6



#88
 1,4-Dichlorobenzene
 Concen: 20.411 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD067891.D
 Acq: 07 Dec 2020 11:15

Tgt Ion:146 Resp: 91971
 Ion Ratio Lower Upper
 146 100
 111 41.3 19.9 59.6
 148 64.0 32.4 97.2

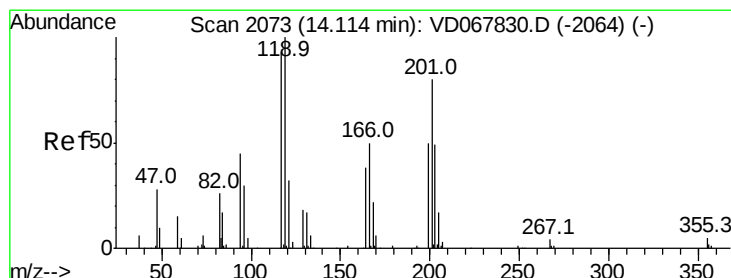
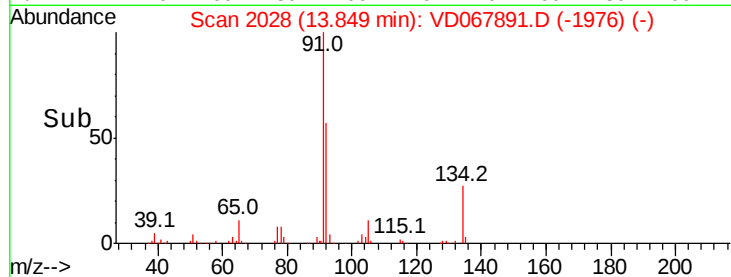
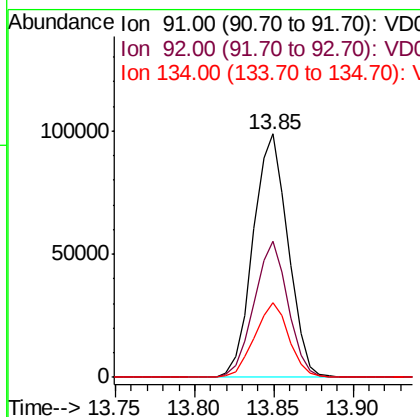
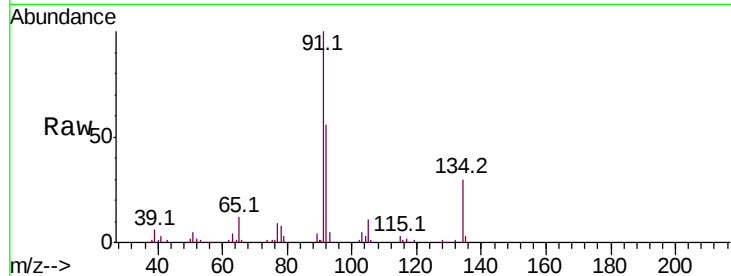




#89
n-Butylbenzene
Concen: 20.136 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

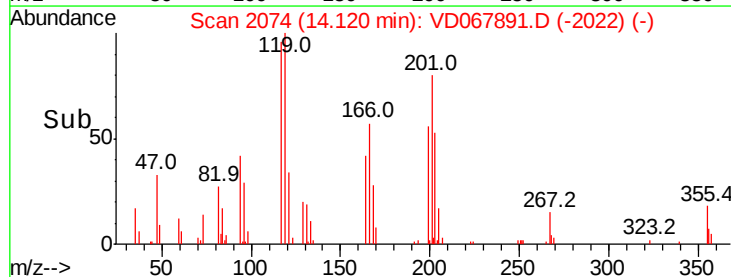
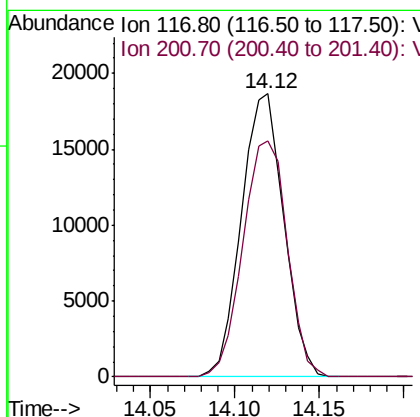
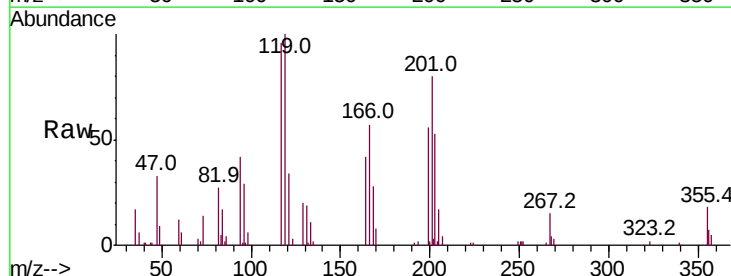
Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

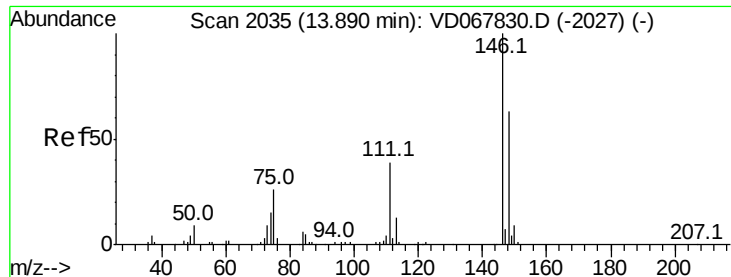
Tot Ion: 91 Resp: 151422
Ion Ratio Lower Upper
91 100
92 54.3 26.3 78.8
134 30.0 14.8 44.3



#90
Hexachloroethane
Concen: 19.498 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion: 117 Resp: 32584
Ion Ratio Lower Upper
117 100
201 87.1 43.9 131.6





#91

1,2-Dichlorobenzene

Concen: 20.055 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.01 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

Instrument :

MSVOA_D

ClientSampleId :

VD1207SBS01

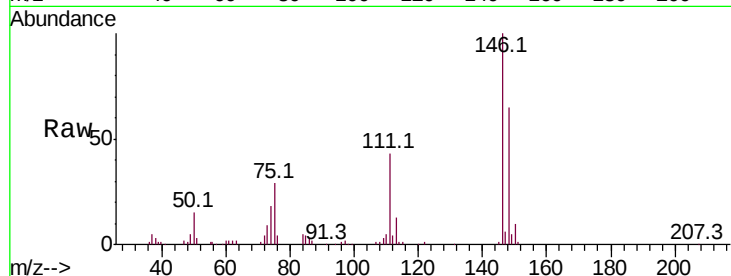
Tot Ion:146 Resp: 78343

Ion Ratio Lower Upper

146 100

111 42.1 20.4 61.2

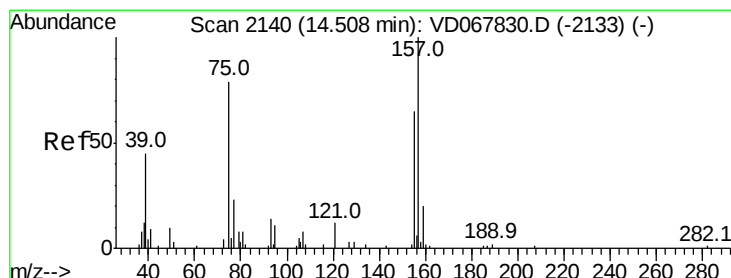
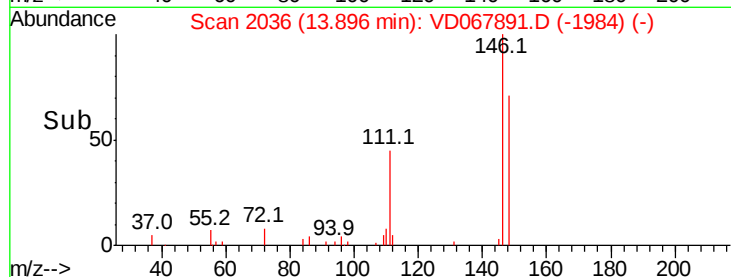
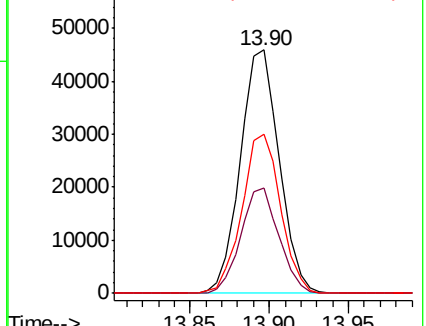
148 64.5 32.1 96.3



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: 19.348 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.00 min

Lab File: VD067891.D

Acq: 07 Dec 2020 11:15

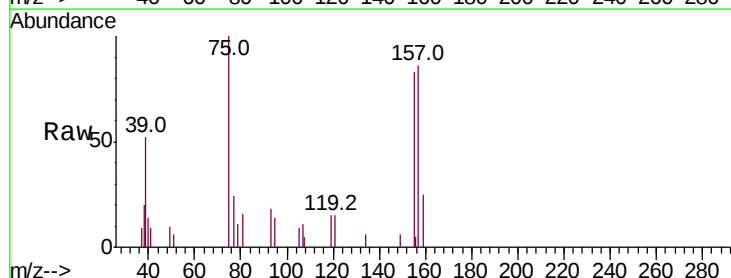
Tgt Ion: 75 Resp: 5007

Ion Ratio Lower Upper

75 100

155 92.2 44.1 132.4

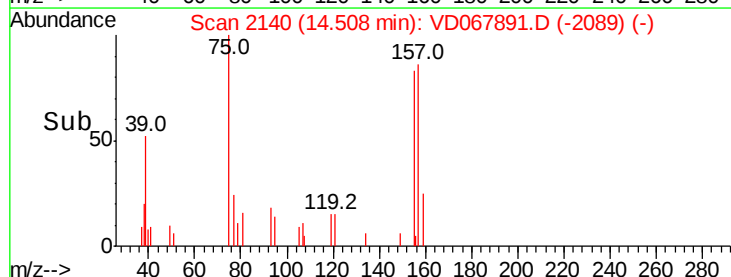
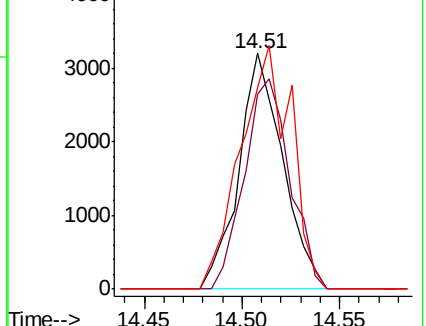
157 118.7 62.4 187.2

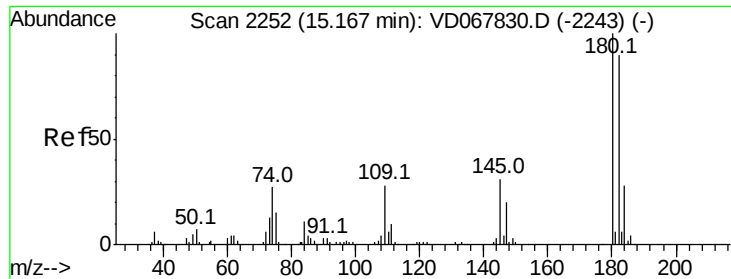


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

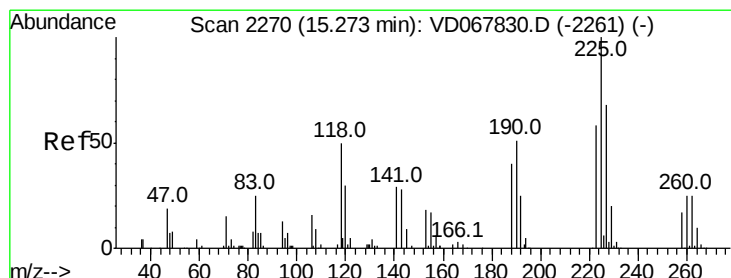
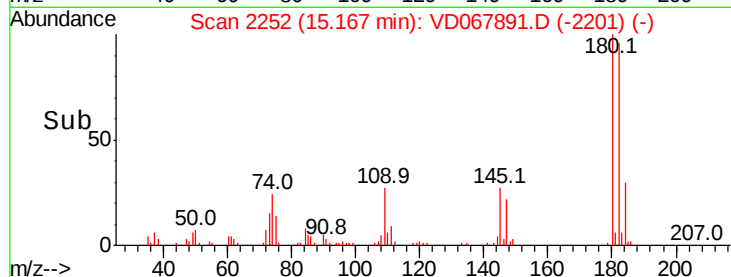
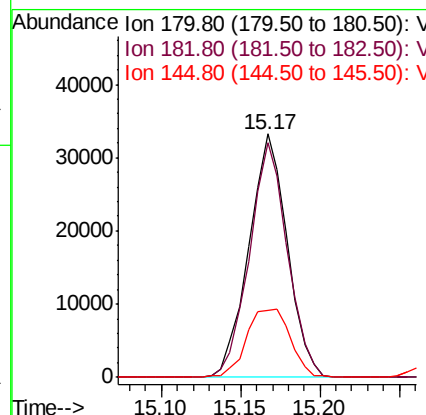
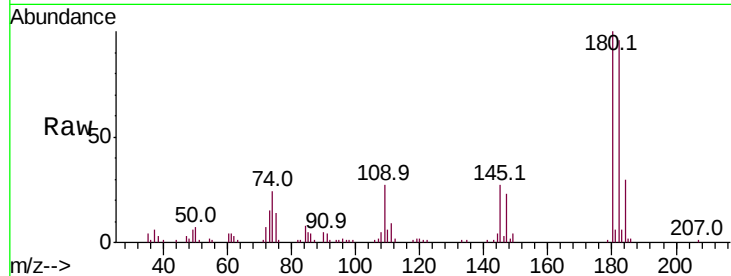




#93
 1,2,4-Trichlorobenzene
 Concen: 20.461 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067891.D
 Acq: 07 Dec 2020 11:15

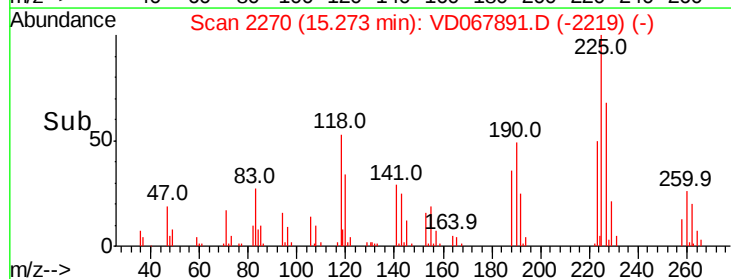
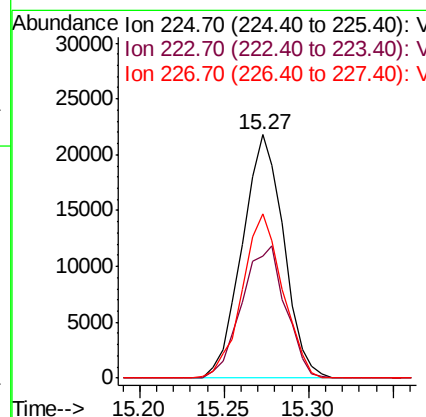
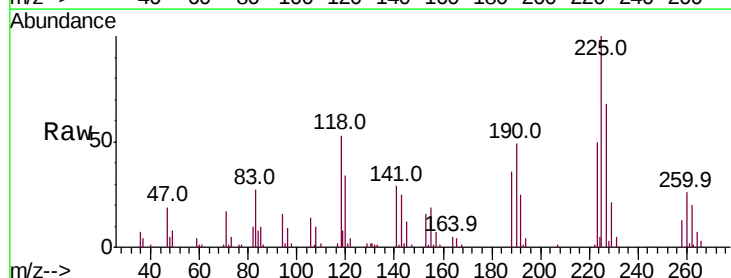
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

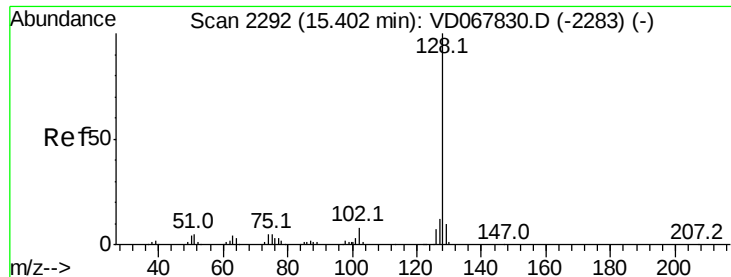
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.5	142.6
145	31.9	16.4	49.4



#94
 Hexachlorobutadiene
 Concen: 20.894 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067891.D
 Acq: 07 Dec 2020 11:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.1	31.1	93.3
227	66.1	33.1	99.3

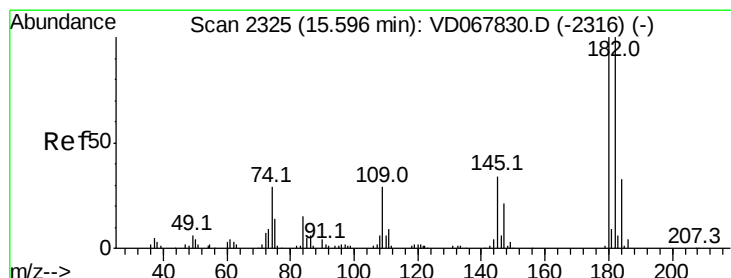
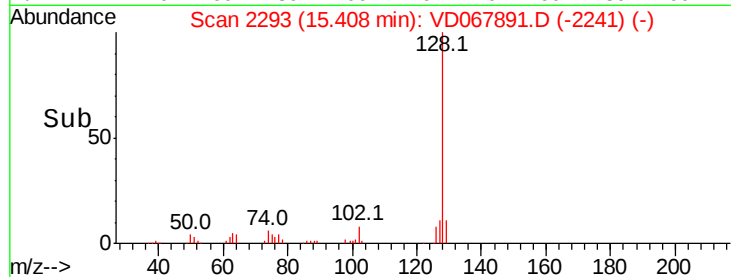
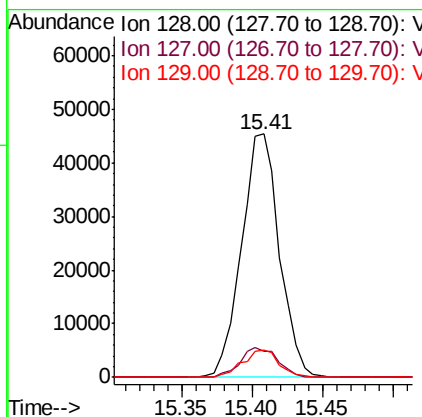
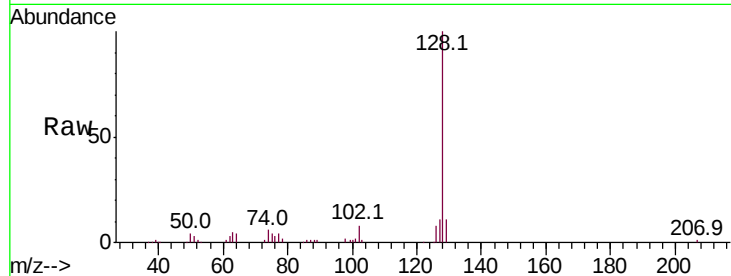




#95
Naphthalene
Concen: 19.194 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Instrument :
MSVOA_D
ClientSampleId :
VD1207SBS01

Tot Ion:128 Resp: 85346
Ion Ratio Lower Upper
128 100
127 12.2 10.6 15.8
129 10.8 9.0 13.6



#96
1,2,3-Trichlorobenzene
Concen: 19.941 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.01 min
Lab File: VD067891.D
Acq: 07 Dec 2020 11:15

Tgt Ion:180 Resp: 47057
Ion Ratio Lower Upper
180 100
182 96.5 47.3 142.0
145 32.9 16.8 50.4

