

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120420\
 Data File : VD067878.D
 Acq On : 04 Dec 2020 11:36
 Operator : VA/SY
 Sample : VD1204SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Quant Time: Dec 04 23:48:49 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	7.99	168	213109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	310503	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	284551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	151030	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	112730	49.27	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.54%
35) Dibromofluoromethane	7.91	113	101388	48.80	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.60%
50) Toluene-d8	10.34	98	368351	49.25	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.50%
62) 4-Bromofluorobenzene	12.64	95	132485	51.23	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.46%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	37594	20.270	ug/l	92
3) Chloromethane	2.21	50	20963	19.585	ug/l	91
4) Vinyl Chloride	2.36	62	27050	20.067	ug/l	97
5) Bromomethane	2.77	94	31782	26.411	ug/l	96
6) Chloroethane	2.93	64	18558	21.145	ug/l	93
7) Trichlorofluoromethane	3.28	101	87737	21.270	ug/l	98
8) Diethyl Ether	3.71	74	17115	21.288	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.10	101	38043	20.225	ug/l	98
10) Methyl Iodide	4.30	142	31827	15.964	ug/l	99
11) Tert butyl alcohol	5.18	59	5457	Below Cal	#	74
12) 1,1-Dichloroethene	4.08	96	36452	20.642	ug/l #	85
13) Acrolein	3.91	56	6750	76.777	ug/l	86
14) Allyl chloride	4.72	41	34435	21.078	ug/l	98
15) Acrylonitrile	5.41	53	28967	103.909	ug/l	94
16) Acetone	4.15	43	25911	91.654	ug/l	92
17) Carbon Disulfide	4.41	76	97927	19.862	ug/l	98
18) Methyl Acetate	4.71	43	11171	20.628	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	79627	21.058	ug/l	98
20) Methylene Chloride	4.96	84	46812	23.376	ug/l	94
21) trans-1,2-Dichloroethene	5.48	96	42564	21.182	ug/l	90
22) Diisopropyl ether	6.36	45	71730	21.831	ug/l	95
23) Vinyl Acetate	6.30	43	188785	103.280	ug/l	96
24) 1,1-Dichloroethane	6.27	63	60993	21.176	ug/l	96
25) 2-Butanone	7.22	43	28479	95.776	ug/l	99
26) 2,2-Dichloropropane	7.21	77	74814	21.782	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	47223	21.485	ug/l	95
28) Bromochloromethane	7.55	49	17792	19.456	ug/l	99
29) Tetrahydrofuran	7.57	42	16820	99.347	ug/l	97
30) Chloroform	7.71	83	81598	21.199	ug/l	98
31) Cyclohexane	7.99	56	48556	20.145	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	88222	21.712	ug/l	99
36) 1,1-Dichloropropene	8.11	75	54203	20.165	ug/l	99
37) Ethyl Acetate	7.29	43	12101	16.703	ug/l #	94
38) Carbon Tetrachloride	8.10	117	85306	20.975	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	64829	20.352	ug/l	99
40) Benzene	8.36	78	156627	21.295	ug/l	99
41) Methacrylonitrile	7.52	41	8775	23.098	ug/l #	73
42) 1,2-Dichloroethane	8.43	62	54157	20.660	ug/l	97
43) Isopropyl Acetate	8.45	43	26997	18.939	ug/l	98
44) Trichloroethene	9.11	130	54088	21.389	ug/l	96
45) 1,2-Dichloropropane	9.40	63	31243	20.696	ug/l	99
46) Dibromomethane	9.48	93	22424	21.365	ug/l	98
47) Bromodichloromethane	9.67	83	64007	21.391	ug/l	96
48) Methyl methacrylate	9.46	41	13533	18.697	ug/l	94
49) 1,4-Dioxane	9.47	88	4506	375.715	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	65810	97.547	ug/l	98
52) Toluene	10.41	92	110932	21.572	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	53575	20.744	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	61178	21.777	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	29235	20.353	ug/l	96
56) Ethyl methacrylate	10.67	69	28390	19.426	ug/l	98
57) 1,3-Dichloropropane	10.95	76	46202	20.306	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	56161	84.452	ug/l	95
59) 2-Hexanone	10.98	43	45078	94.783	ug/l	98
60) Dibromochloromethane	11.14	129	46720	21.577	ug/l	97
61) 1,2-Dibromoethane	11.25	107	29296	20.740	ug/l	95
64) Tetrachloroethene	10.88	164	47687	20.546	ug/l	94
65) Chlorobenzene	11.67	112	127188	21.662	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	50729	21.184	ug/l	97
67) Ethyl Benzene	11.75	91	215303	21.526	ug/l	99
68) m/p-Xylenes	11.86	106	171168	43.401	ug/l	99
69) o-Xylene	12.18	106	76025	21.714	ug/l	97
70) Styrene	12.20	104	135324	22.228	ug/l	99
71) Bromoform	12.37	173	25582	20.181	ug/l #	94
73) Isopropylbenzene	12.48	105	222771	21.449	ug/l	98
74) N-amyl acetate	12.29	43	23494	18.287	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	25759	18.785	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	40093	36.453	ug/l #	1
77) Bromobenzene	12.77	156	54118	20.959	ug/l	98
78) n-propylbenzene	12.83	91	245988	21.369	ug/l	99
79) 2-Chlorotoluene	12.91	91	143866	21.244	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	194625	21.643	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	8548	18.591	ug/l	98
82) 4-Chlorotoluene	13.01	91	153753	21.283	ug/l	99
83) tert-Butylbenzene	13.23	119	164371	21.480	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	193720	21.664	ug/l	98
85) sec-Butylbenzene	13.40	105	207778	20.344	ug/l	96
86) p-Isopropyltoluene	13.52	119	213519	21.331	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	106279	21.337	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	103487	20.768	ug/l	98
89) n-Butylbenzene	13.84	91	172000	20.683	ug/l	99
90) Hexachloroethane	14.11	117	37165	20.110	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	87945	20.358	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5465	19.097	ug/l	89

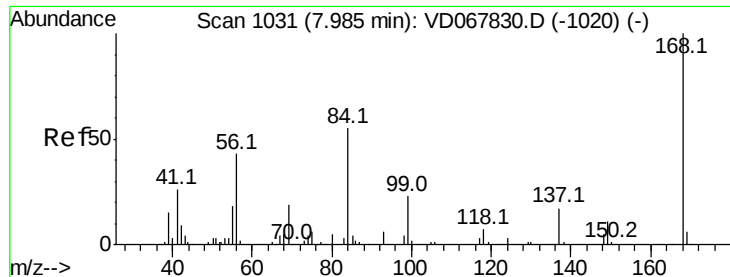
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120420\
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	64178	21.238	ug/l	99
94) Hexachlorobutadiene	15.27	225	41436	21.014	ug/l	99
95) Naphthalene	15.40	128	93757	19.068	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	53801	20.617	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

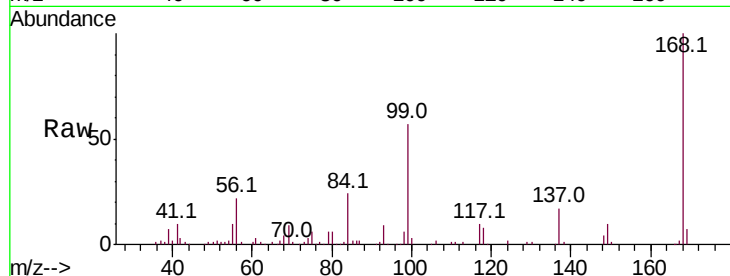
VD1204SBS01

Tot Ion:168 Resp: 213109

Ion Ratio Lower Upper

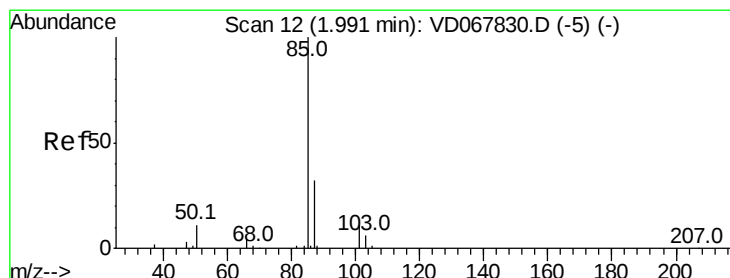
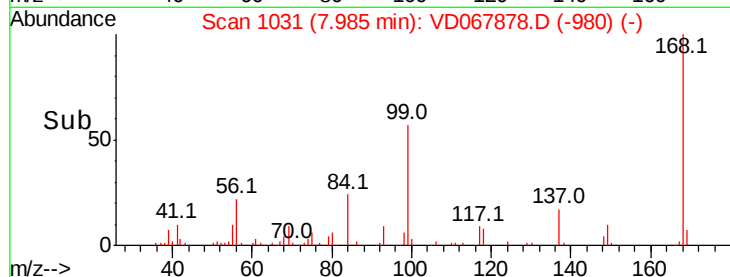
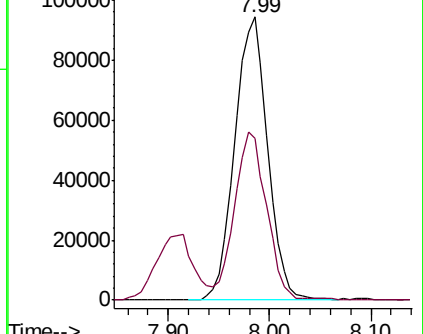
168 100

99 56.6 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: 20.270 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067878.D

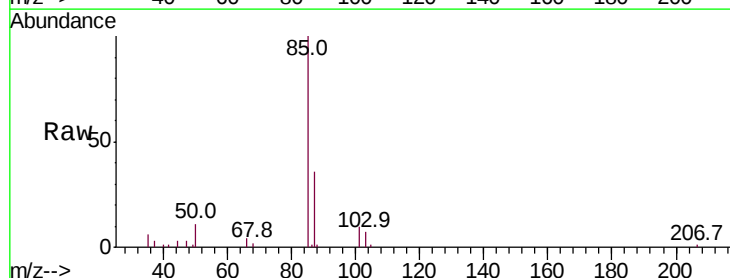
Acq: 04 Dec 2020 11:36

Tgt Ion: 85 Resp: 37594

Ion Ratio Lower Upper

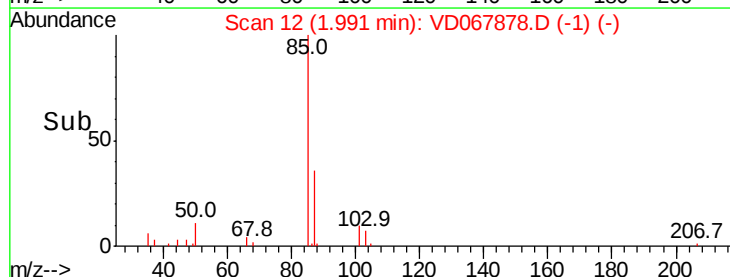
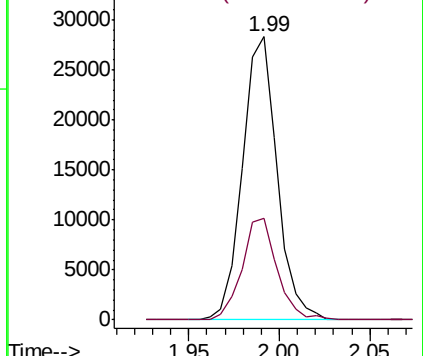
85 100

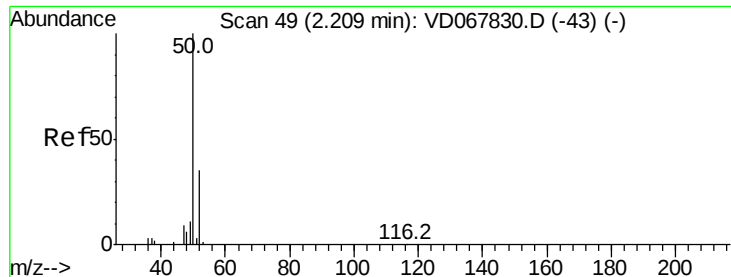
87 36.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.585 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

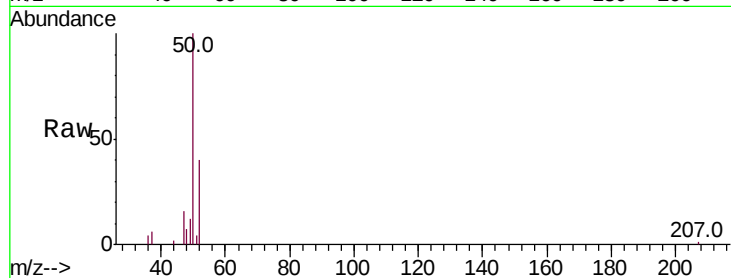
VD1204SBS01

Tot Ion: 50 Resp: 20963

Ion Ratio Lower Upper

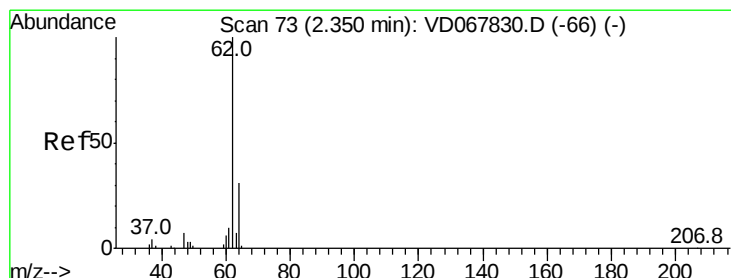
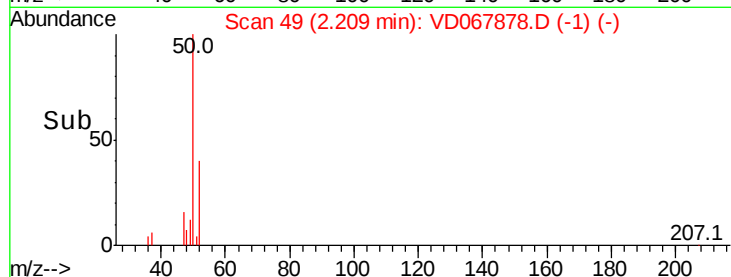
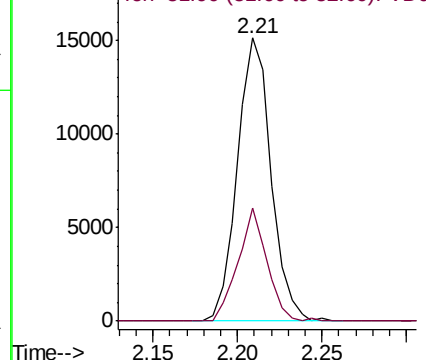
50 100

52 39.9 27.8 41.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.067 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD067878.D

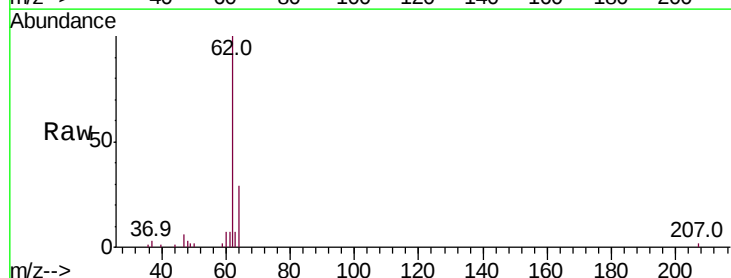
Acq: 04 Dec 2020 11:36

Tgt Ion: 62 Resp: 27050

Ion Ratio Lower Upper

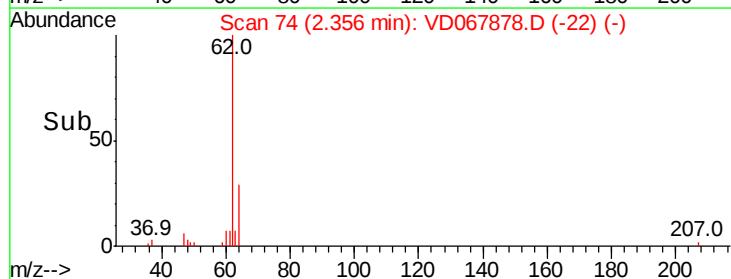
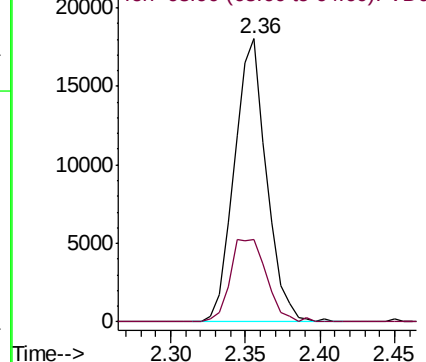
62 100

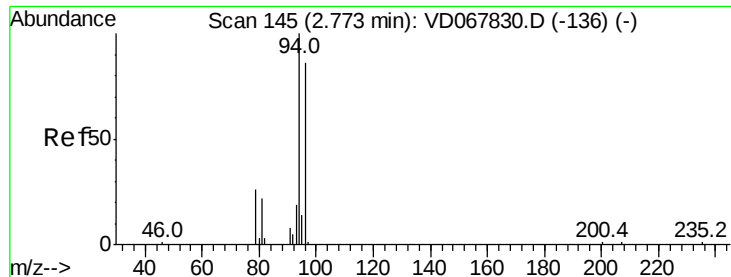
64 29.2 24.5 36.7



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 26.411 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

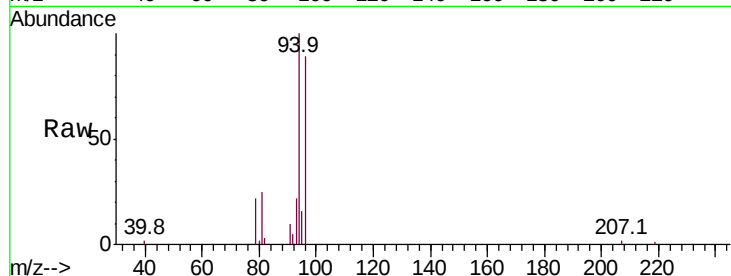
VD1204SBS01

Tot Ion: 94 Resp: 31782

Ion Ratio Lower Upper

94 100

96 89.1 68.7 103.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

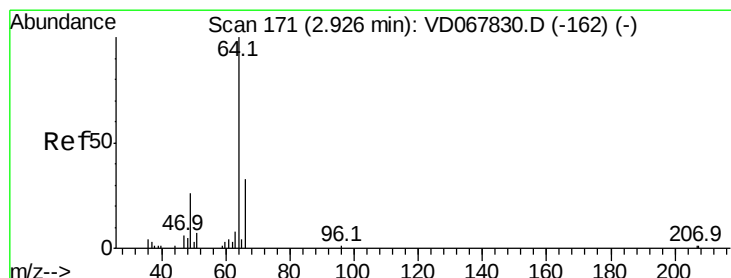
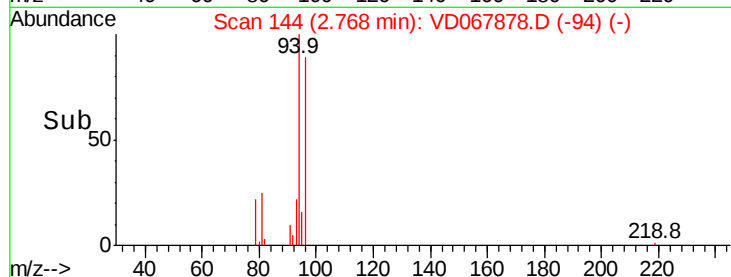
15000

10000

5000

0

Time--> 2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 21.145 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD067878.D

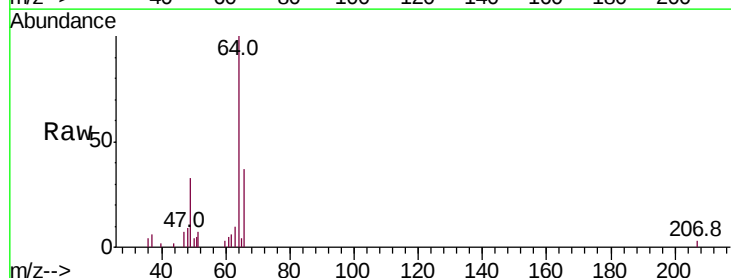
Acq: 04 Dec 2020 11:36

Tgt Ion: 64 Resp: 18558

Ion Ratio Lower Upper

64 100

66 36.7 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

10000

8000

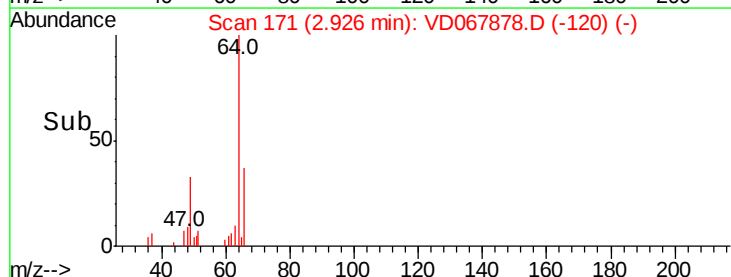
6000

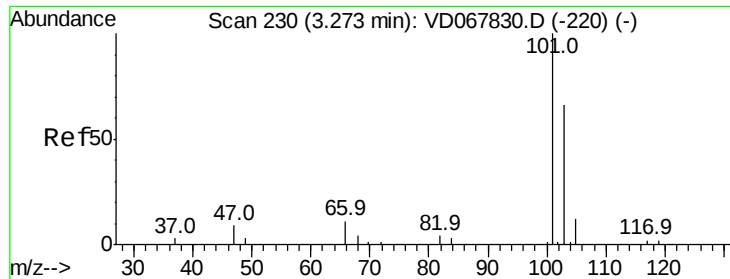
4000

2000

0

Time--> 2.85 2.90 2.95 3.00



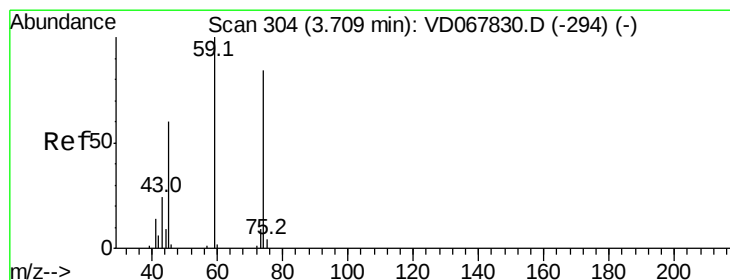
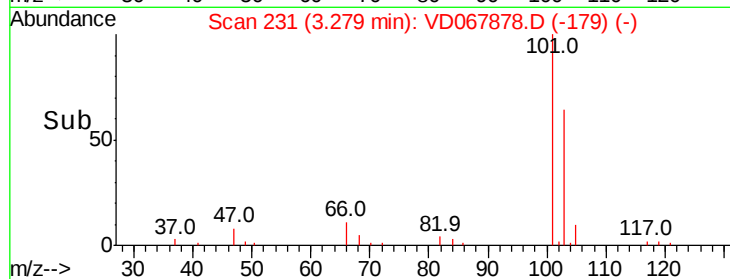
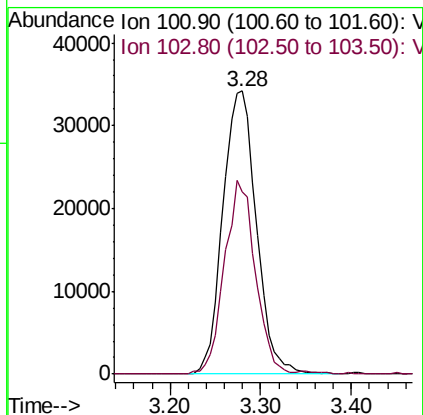
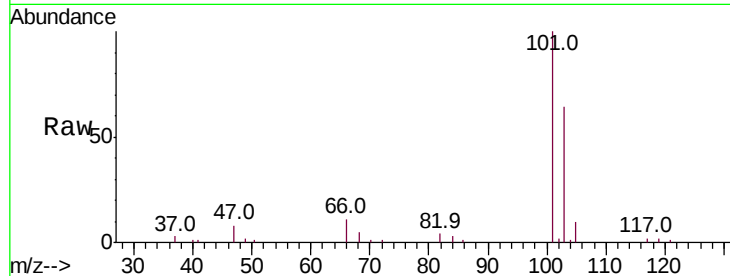


#7

Trichlorofluoromethane
 Concen: 21.270 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

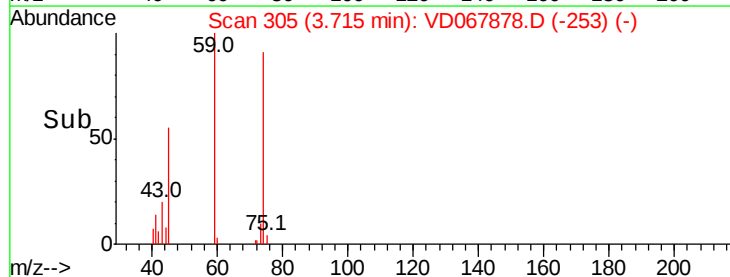
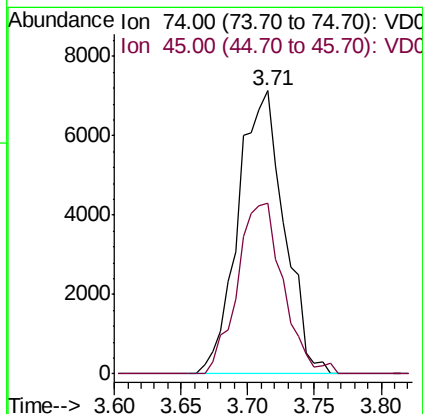
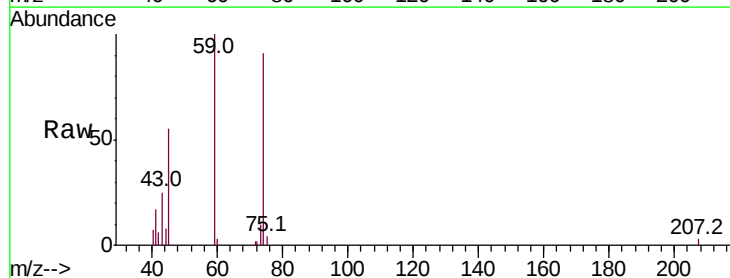
Tot Ion:101 Resp: 87737
 Ion Ratio Lower Upper
 101 100
 103 64.5 53.0 79.6

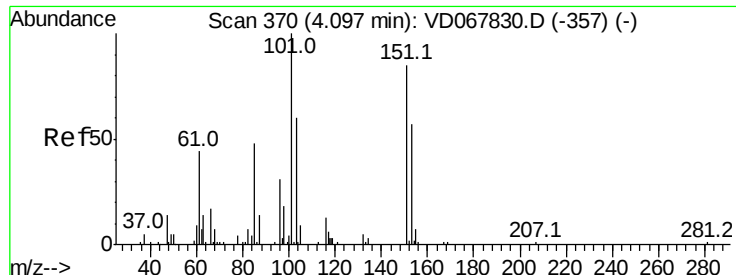


#8

Diethyl Ether
 Concen: 21.288 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Tgt Ion: 74 Resp: 17115
 Ion Ratio Lower Upper
 74 100
 45 59.6 33.9 101.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.225 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

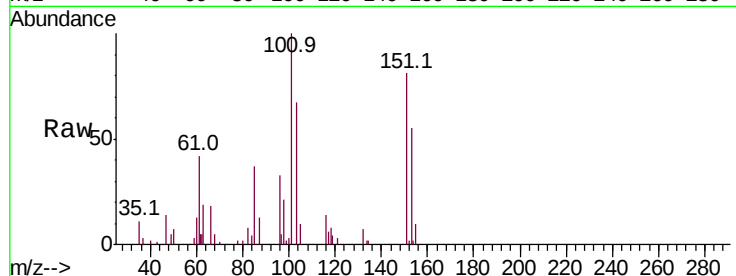
Tot Ion:101 Resp: 38043

Ion Ratio Lower Upper

101 100

85 46.0 36.2 54.4

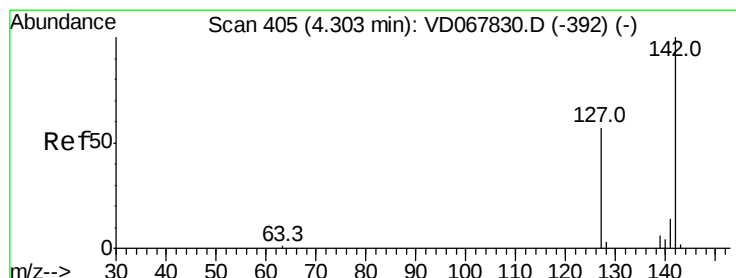
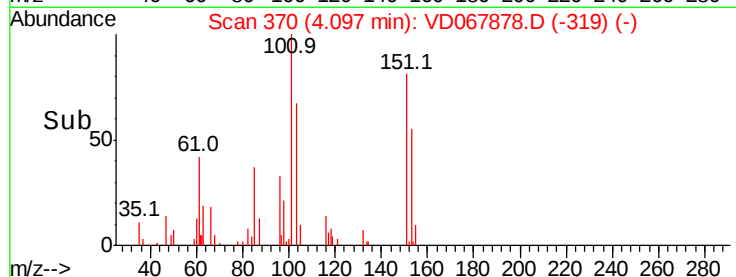
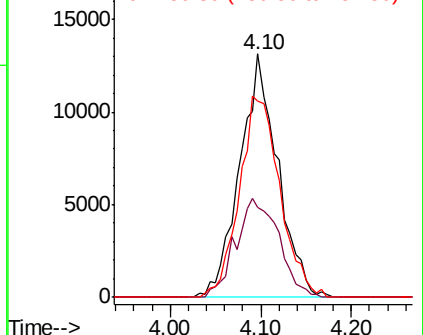
151 88.5 69.4 104.2



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: 15.964 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

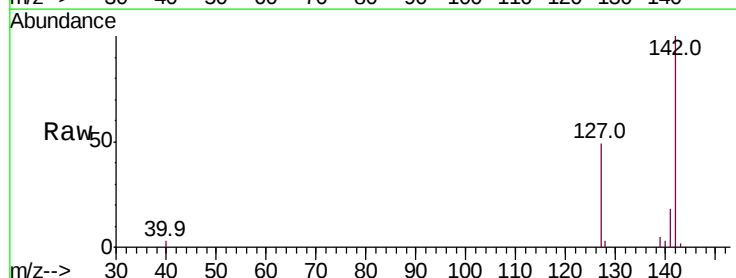
Tgt Ion:142 Resp: 31827

Ion Ratio Lower Upper

142 100

127 54.6 43.9 65.9

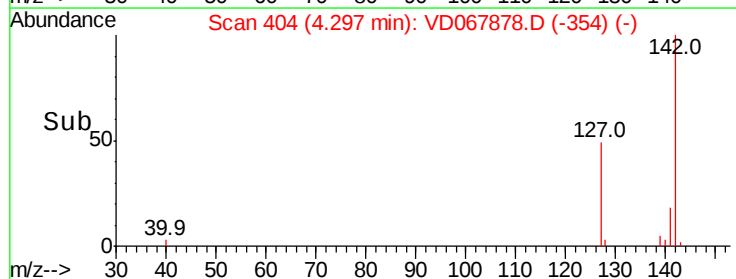
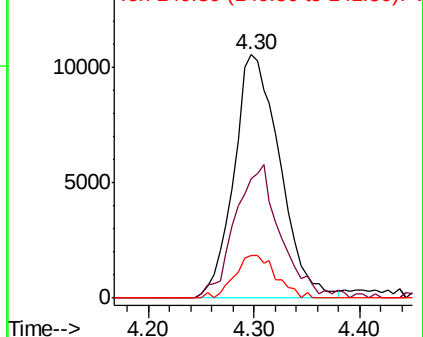
141 15.9 12.2 18.2

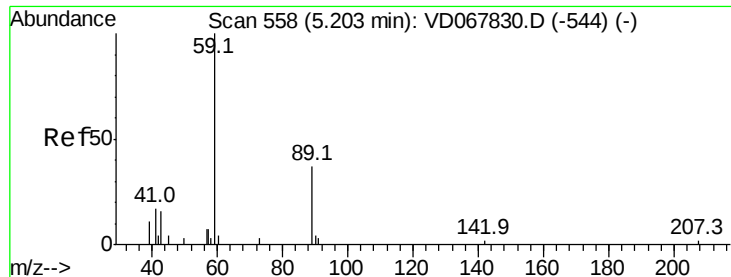


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



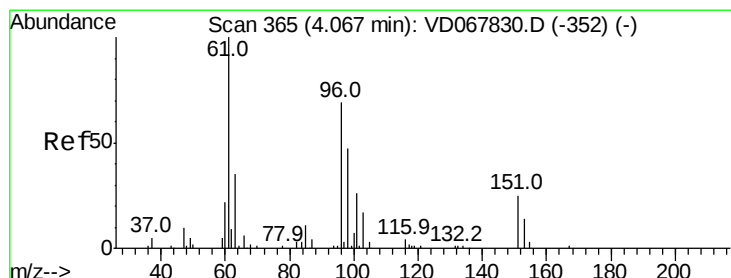
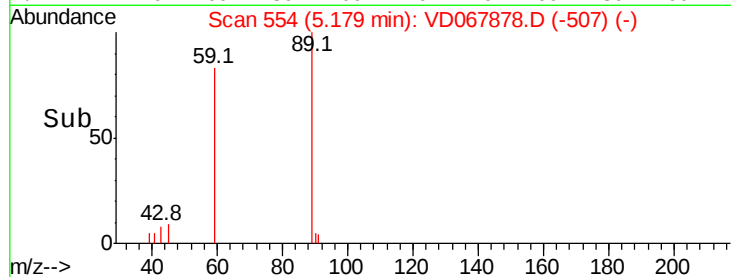
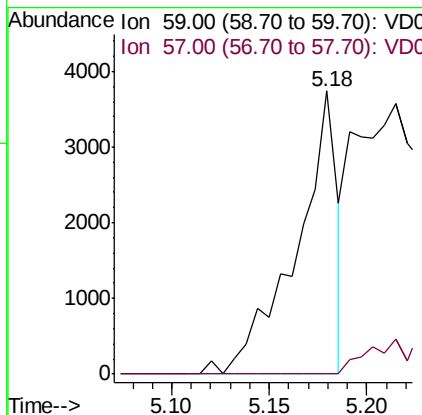
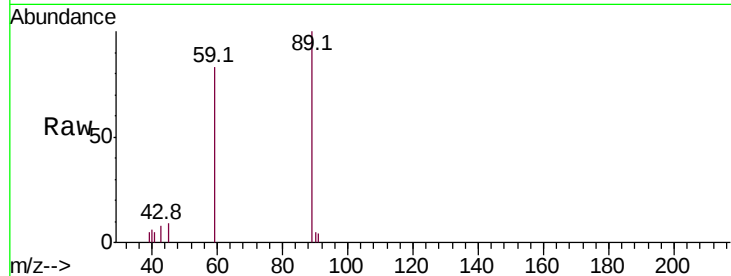


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.18 min Scan# 554
 Delta R.T. -0.02 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

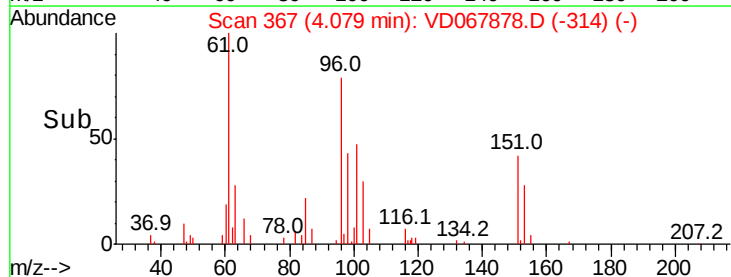
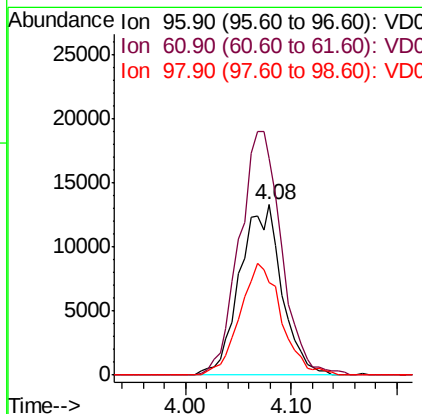
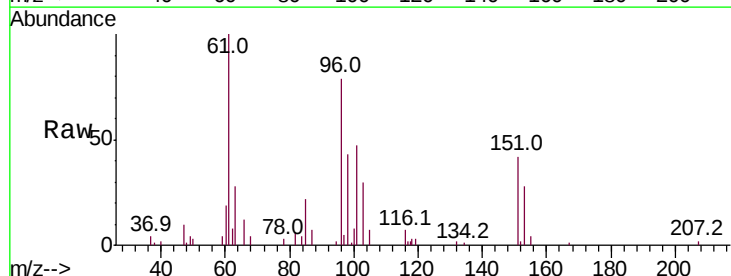
Tot Ion: 59 Resp: 5457
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

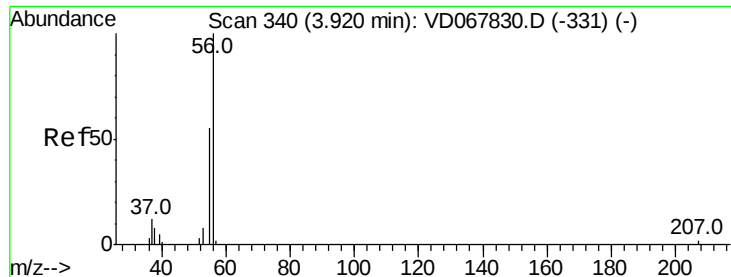


#12

1,1-Dichloroethene
 Concen: 20.642 ug/l
 RT: 4.08 min Scan# 367
 Delta R.T. 0.01 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Tgt Ion: 96 Resp: 36452
 Ion Ratio Lower Upper
 96 100
 61 127.2 116.1 174.1
 98 54.5 54.6 82.0#





#13

Acrolein

Concen: 76.777 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

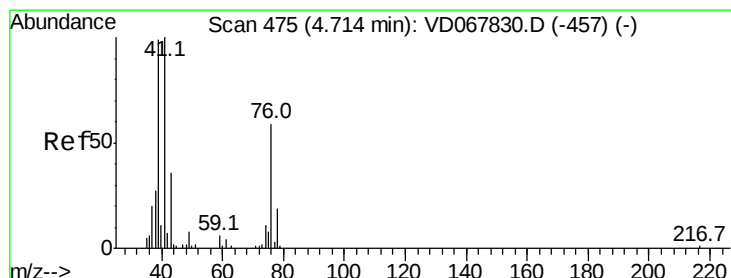
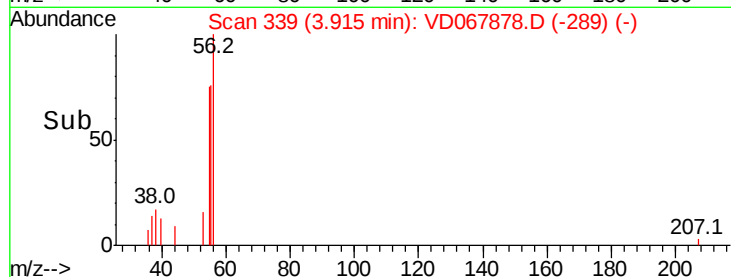
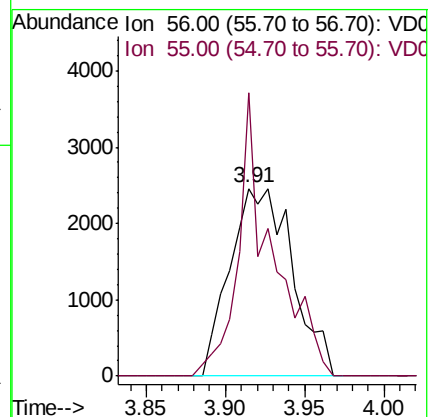
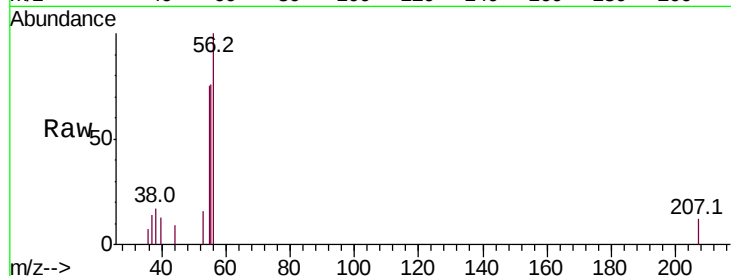
VD1204SBS01

Tot Ion: 56 Resp: 6750

Ion Ratio Lower Upper

56 100

55 81.7 56.5 84.7



#14

Allyl chloride

Concen: 21.078 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

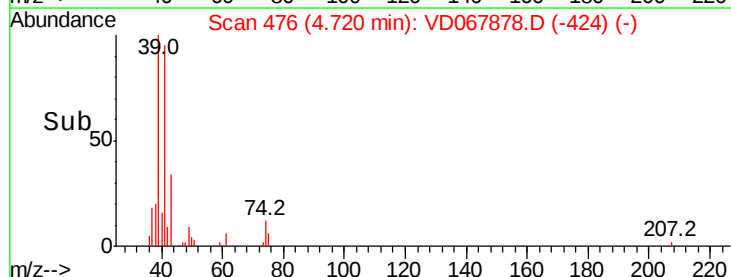
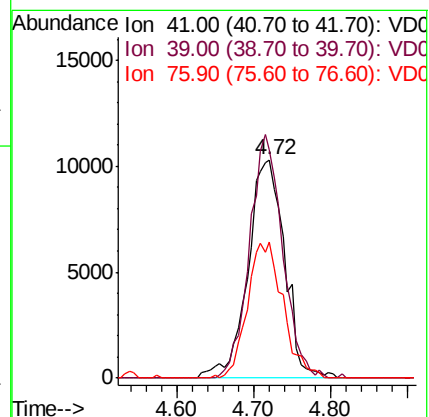
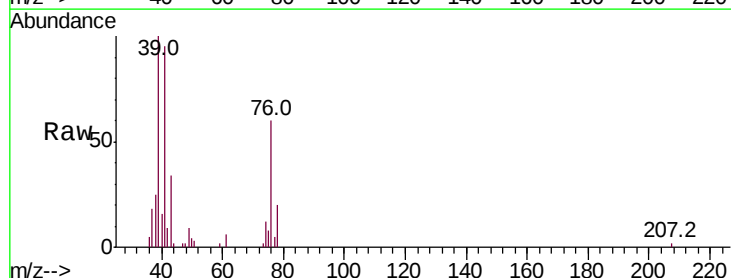
Tgt Ion: 41 Resp: 34435

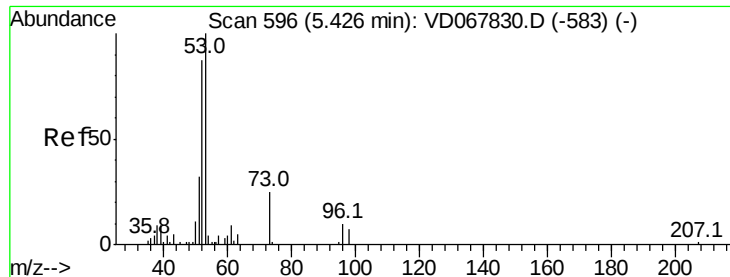
Ion Ratio Lower Upper

41 100

39 100.6 79.0 118.6

76 60.2 46.6 70.0





#15

Acrylonitrile

Concen: 103.909 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

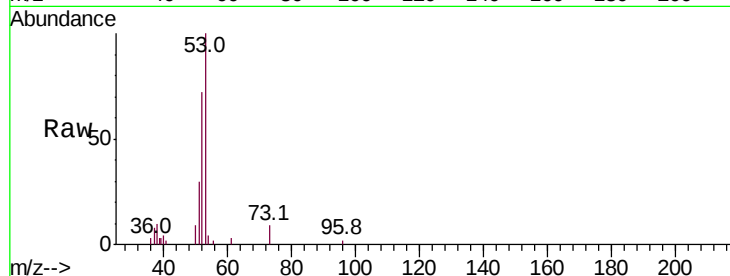
Tot Ion: 53 Resp: 28967

Ion Ratio Lower Upper

53 100

52 75.7 66.2 99.2

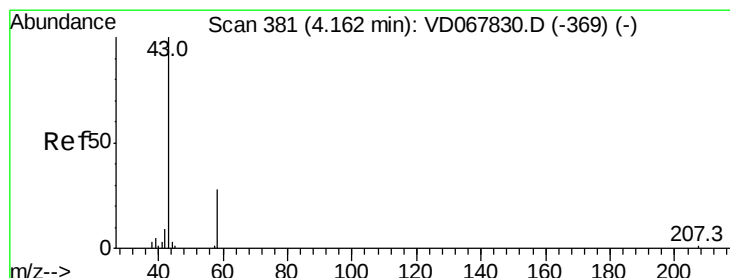
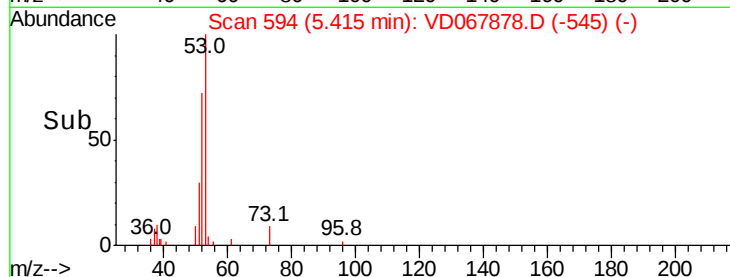
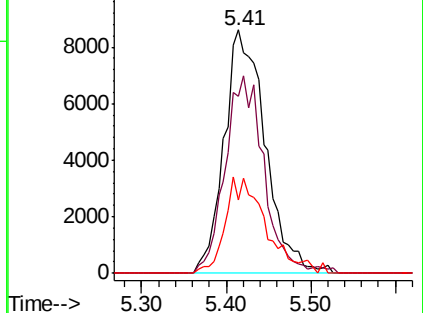
51 38.6 31.1 46.7



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 91.654 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067878.D

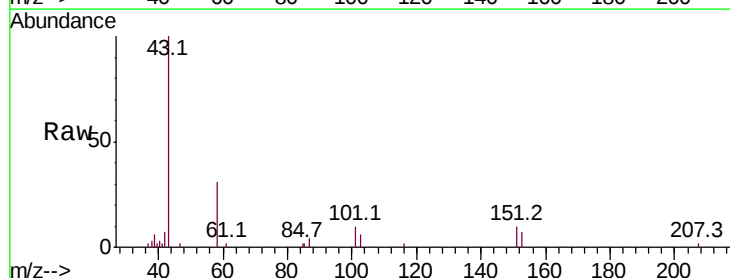
Acq: 04 Dec 2020 11:36

Tgt Ion: 43 Resp: 25911

Ion Ratio Lower Upper

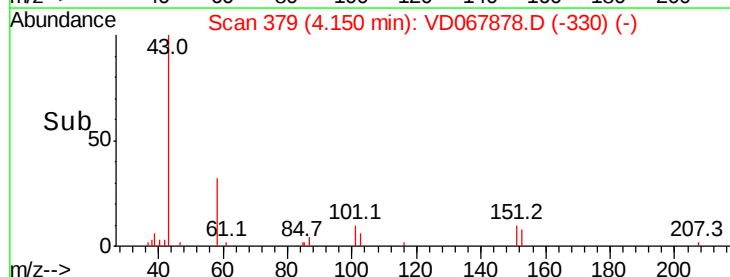
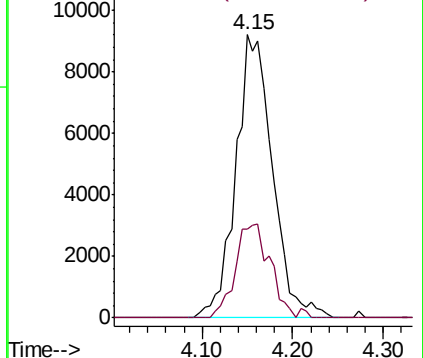
43 100

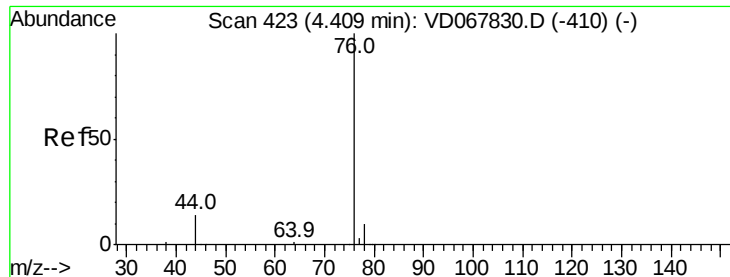
58 31.3 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 19.862 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

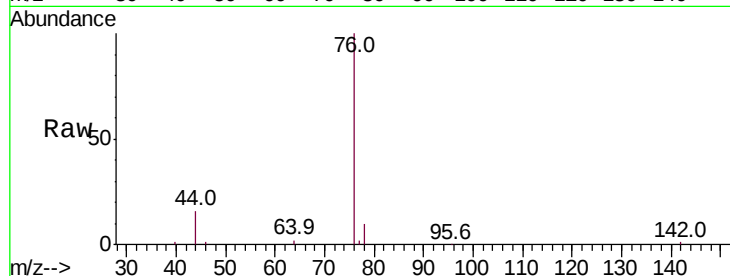
VD1204SBS01

Tot Ion: 76 Resp: 97927

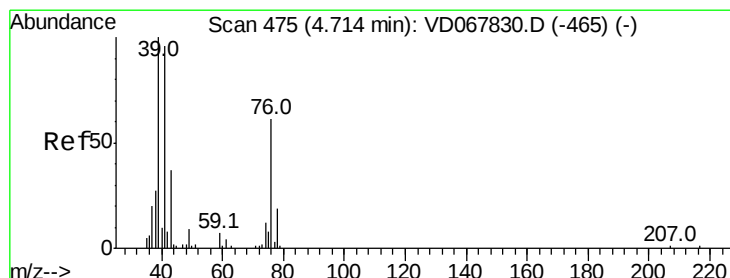
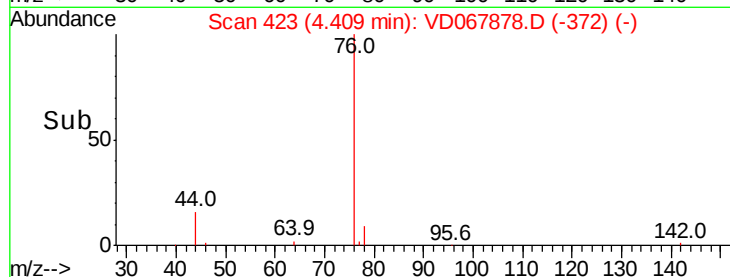
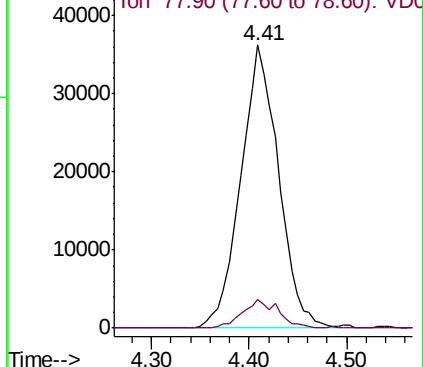
Ion Ratio Lower Upper

76 100

78 10.3 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VDC



#18

Methyl Acetate

Concen: 20.628 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067878.D

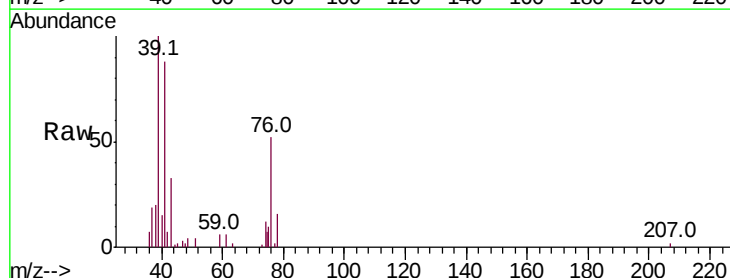
Acq: 04 Dec 2020 11:36

Tgt Ion: 43 Resp: 11171

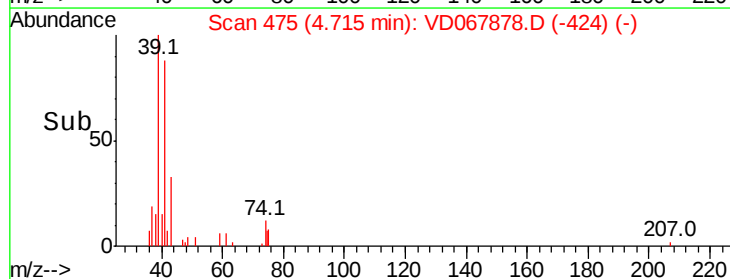
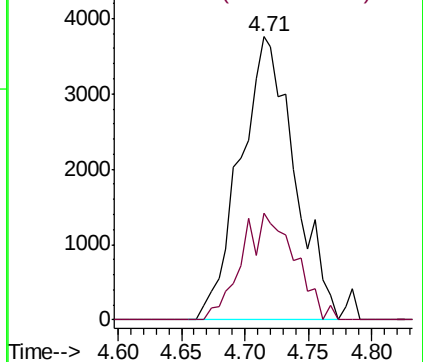
Ion Ratio Lower Upper

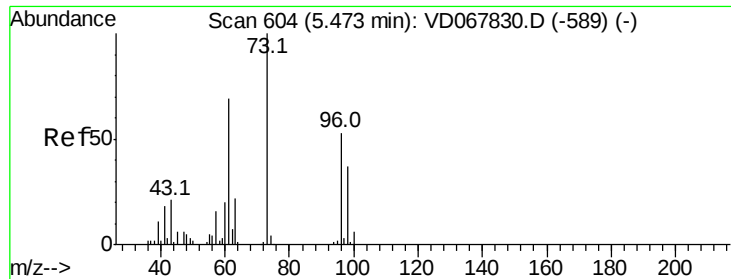
43 100

74 37.0 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

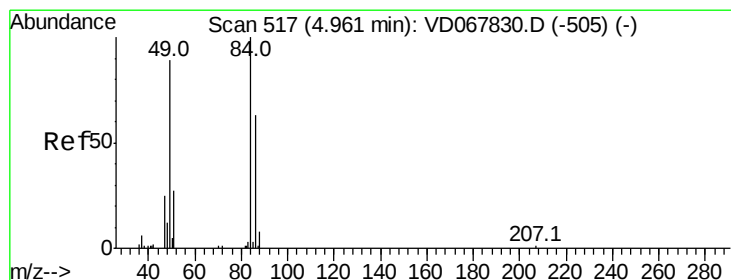
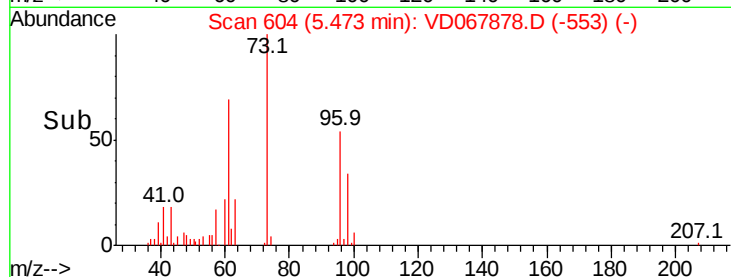
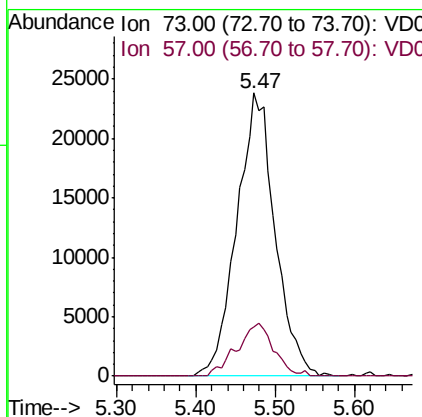
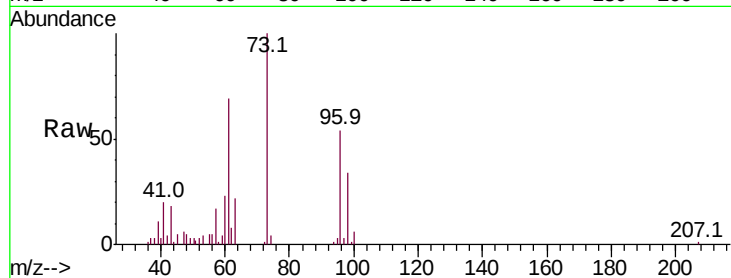




#19
Methvl tert-butvl Ether
Concen: 21.058 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

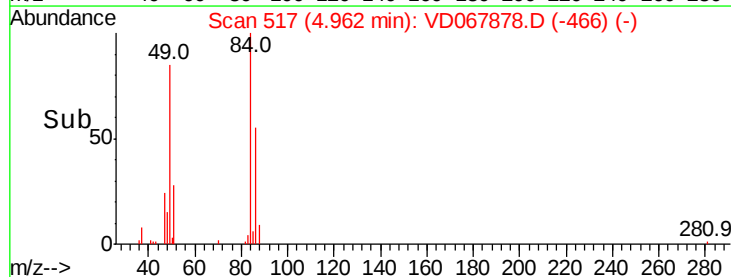
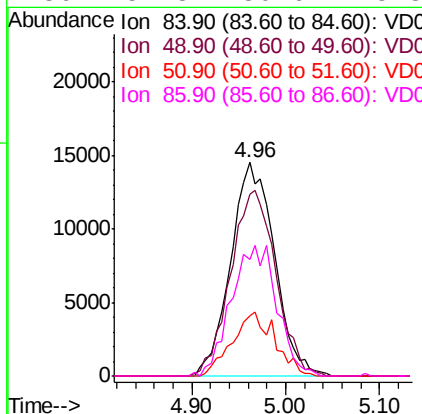
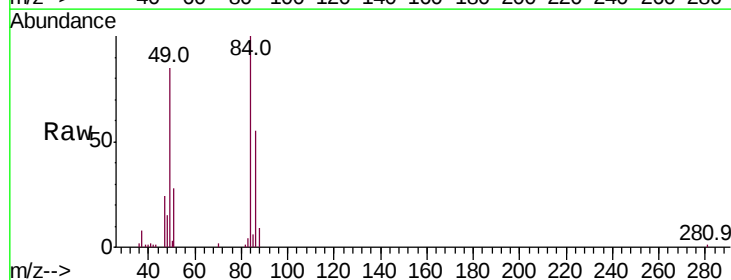
Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

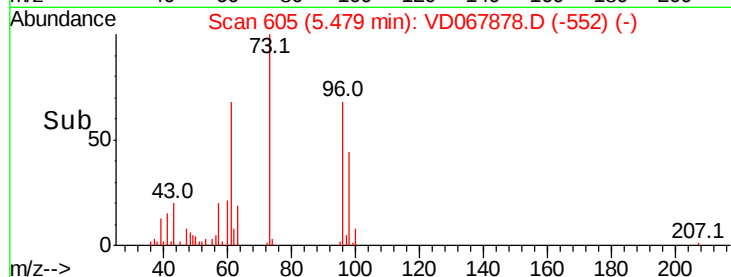
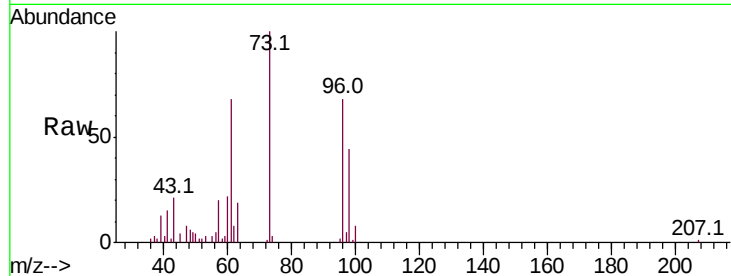
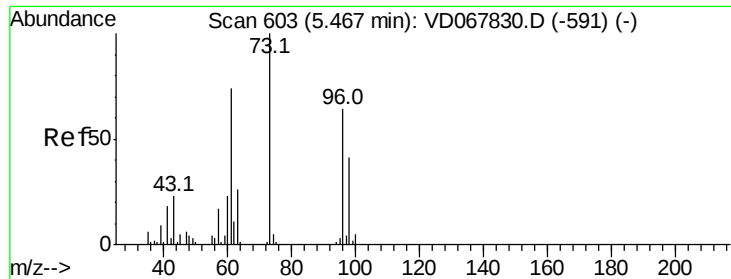
Tot Ion: 73 Resp: 79627
Ion Ratio Lower Upper
73 100
57 17.2 13.2 19.8



#20
Methylene Chloride
Concen: 23.376 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion: 84 Resp: 46812
Ion Ratio Lower Upper
84 100
49 84.9 71.4 107.0
51 28.0 21.8 32.8
86 54.8 50.6 75.8

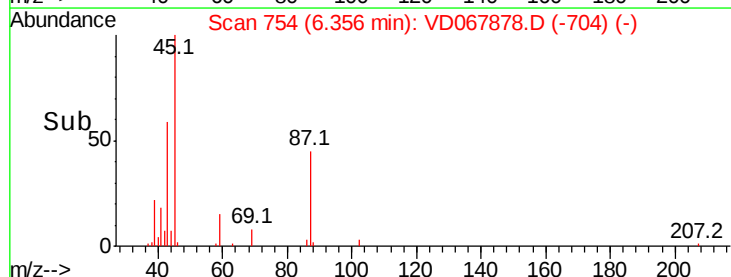
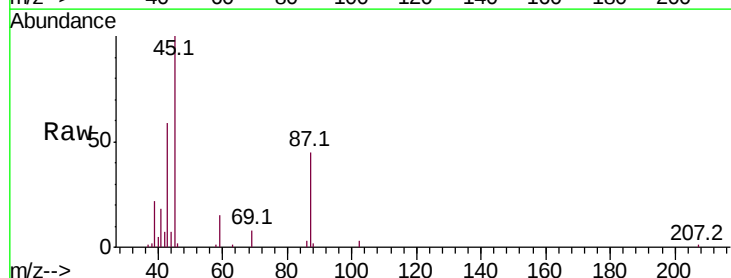
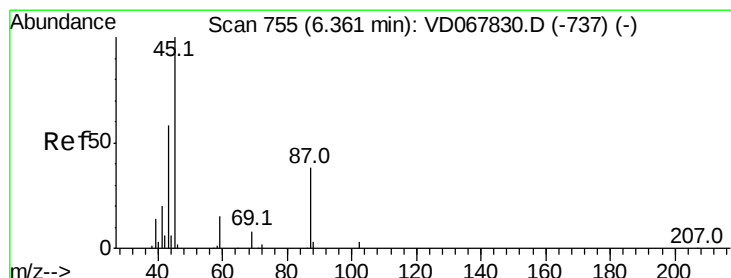
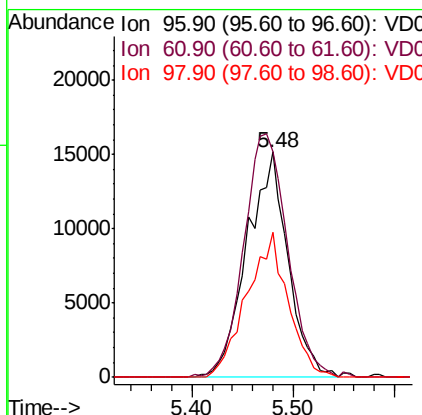




#21
trans-1,2-Dichloroethene
Concen: 21.182 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

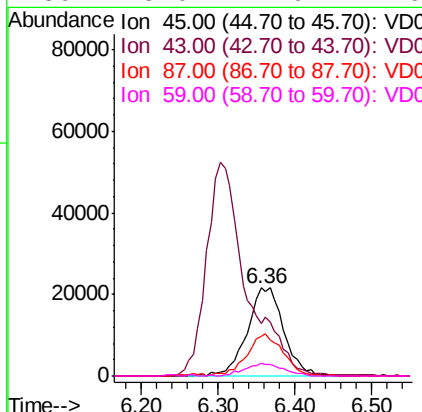
Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

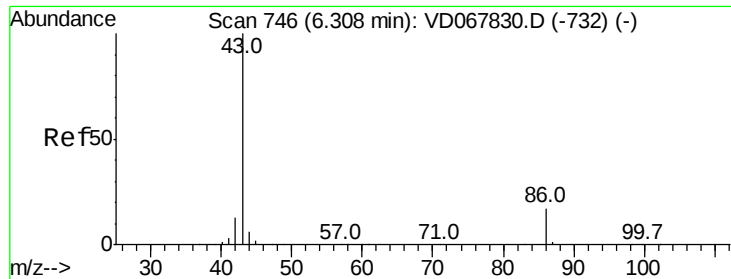
Tot Ion: 96 Resp: 42564
Ion Ratio Lower Upper
96 100
61 100.1 93.1 139.7
98 64.1 52.2 78.2



#22
Diisopropyl ether
Concen: 21.831 ug/l
RT: 6.36 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion: 45 Resp: 71730
Ion Ratio Lower Upper
45 100
43 58.3 49.8 74.6
87 44.6 32.1 48.1
59 15.0 11.9 17.9

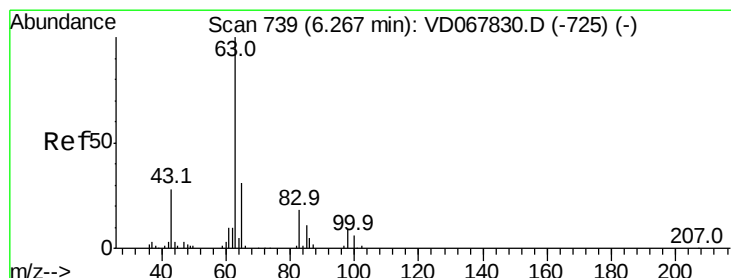
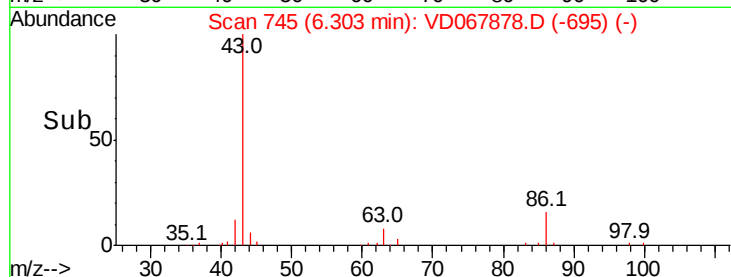
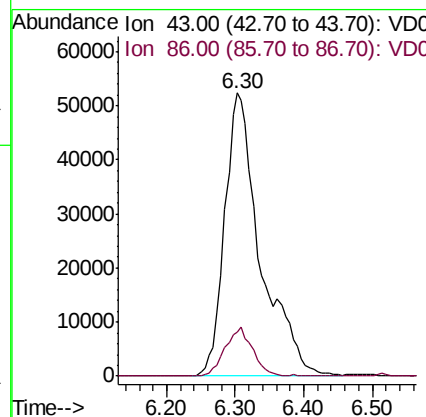
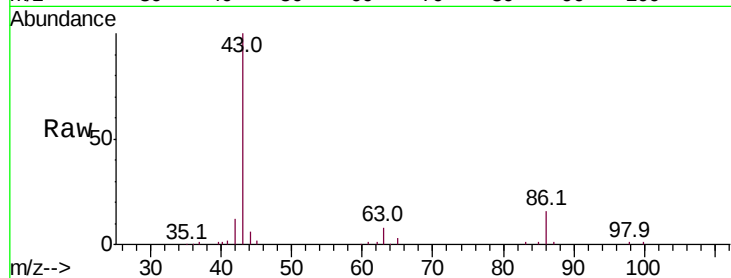




#23
 Vinyl Acetate
 Concen: 103.280 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

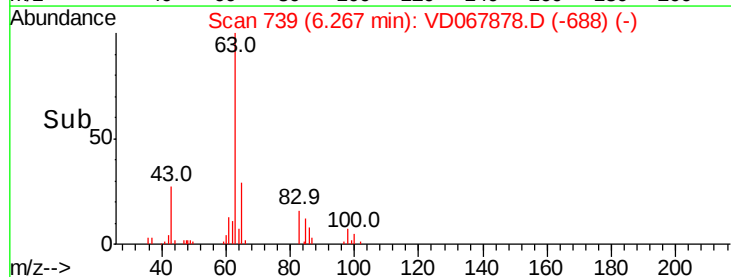
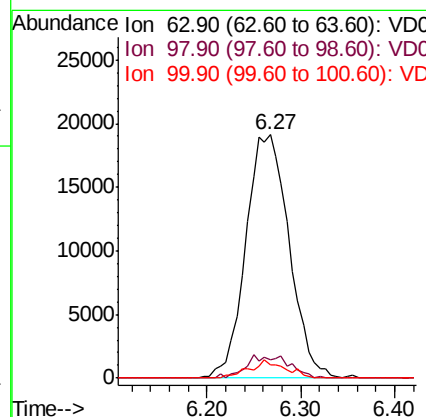
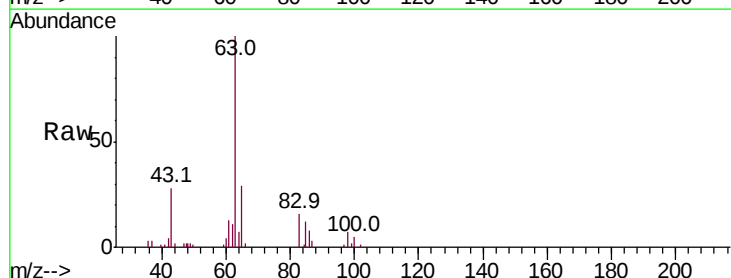
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

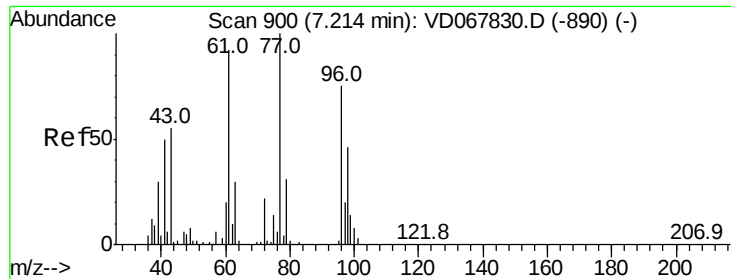
Tot Ion: 43 Resp: 188785
 Ion Ratio Lower Upper
 43 100
 86 15.7 13.8 20.6



#24
 1,1-Dichloroethane
 Concen: 21.176 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Tgt Ion: 63 Resp: 60993
 Ion Ratio Lower Upper
 63 100
 98 7.4 4.5 13.5
 100 5.3 3.0 9.2

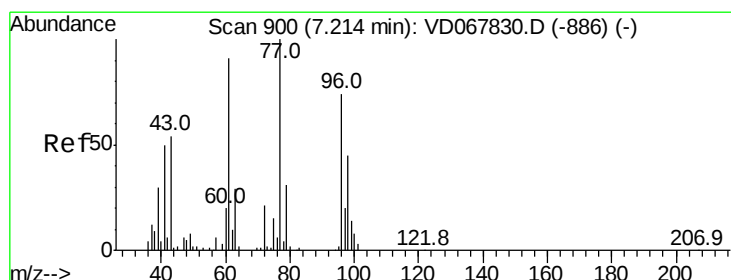
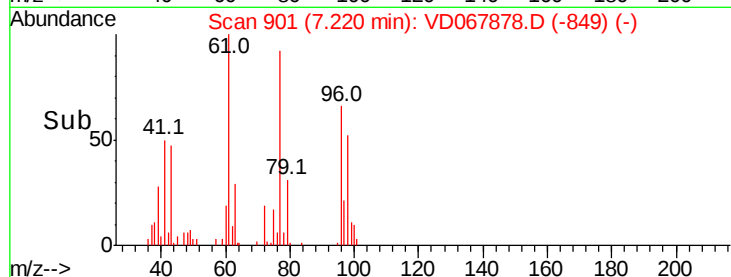
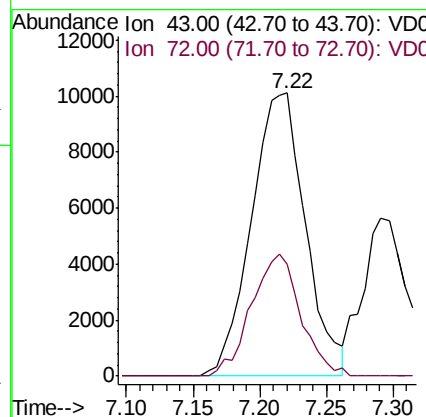
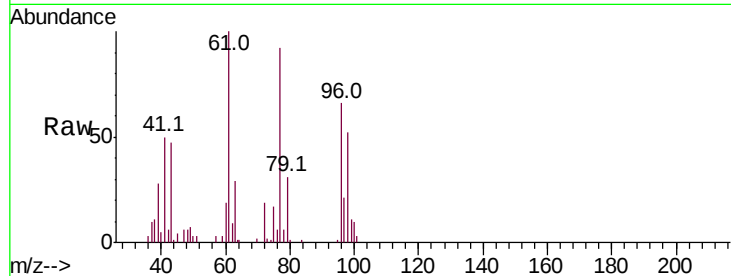




#25
2-Butanone
Concen: 95.776 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

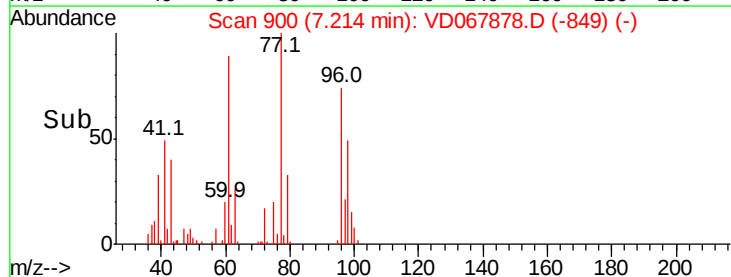
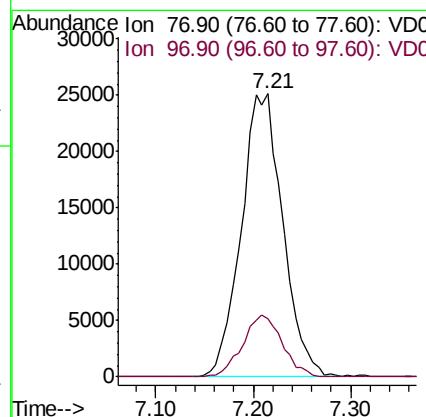
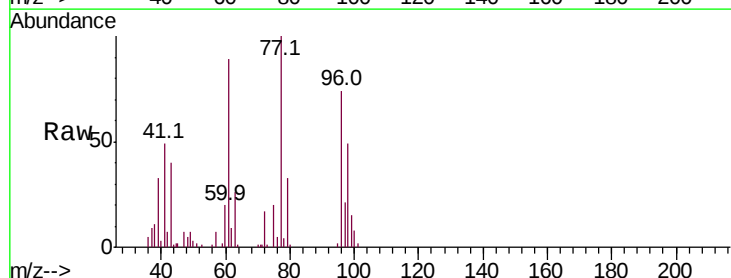
Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

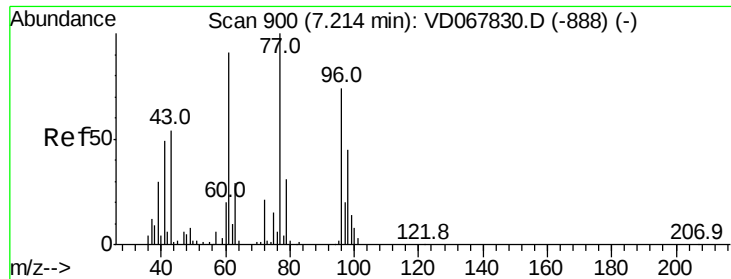
Tot Ion: 43 Resp: 28479
Ion Ratio Lower Upper
43 100
72 39.5 31.3 46.9



#26
2,2-Dichloropropane
Concen: 21.782 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion: 77 Resp: 74814
Ion Ratio Lower Upper
77 100
97 20.9 11.1 33.1



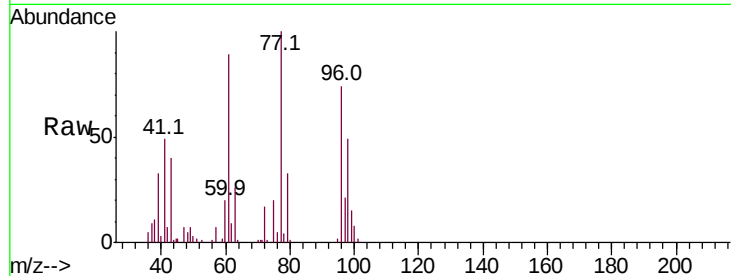


#27

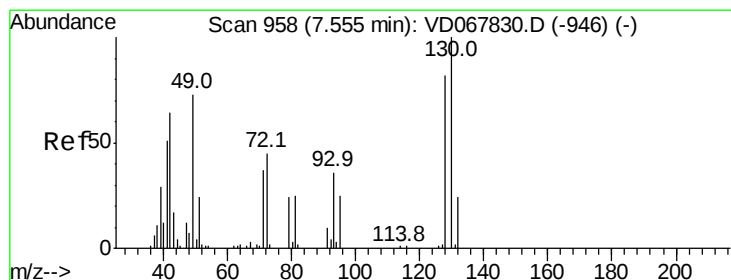
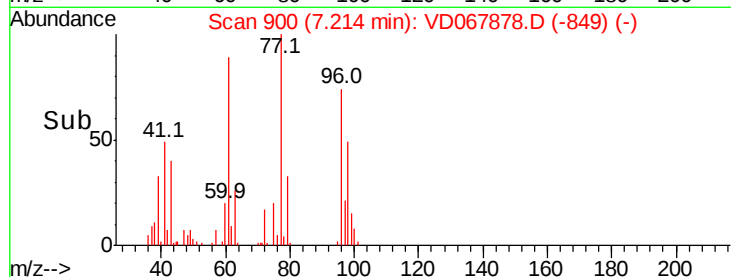
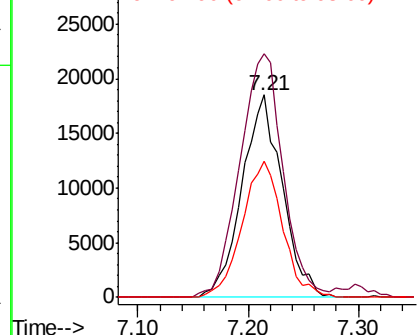
cis-1,2-Dichloroethene
Concen: 21.485 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion: 96 Resp: 47223
Ion Ratio Lower Upper
96 100
61 129.6 0.0 248.4
98 67.5 0.0 127.4



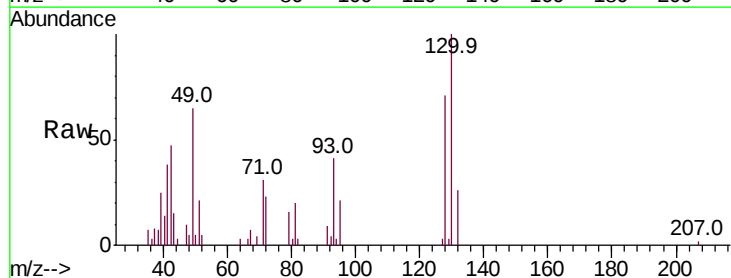
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



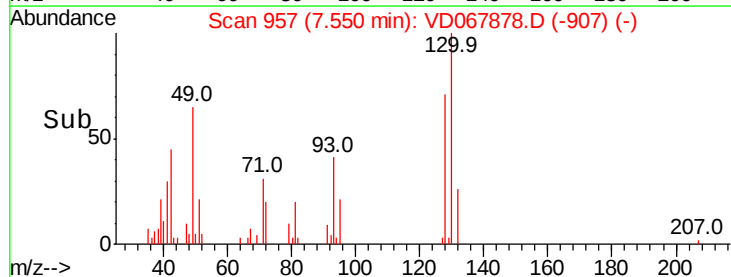
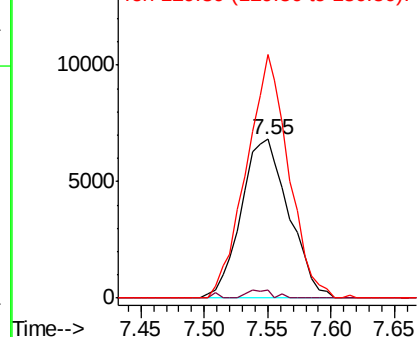
#28

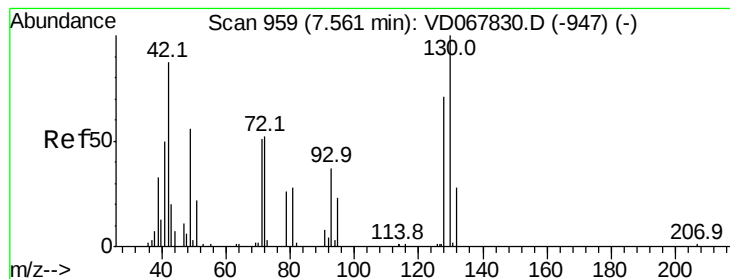
Bromochloromethane
Concen: 19.456 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion: 49 Resp: 17792
Ion Ratio Lower Upper
49 100
129 2.7 0.0 3.4
130 136.0 110.2 165.2



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: 99.347 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

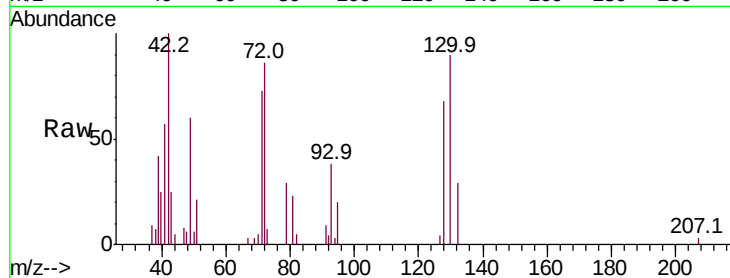
Tot Ion: 42 Resp: 16820

Ion Ratio Lower Upper

42 100

72 64.4 51.9 77.9

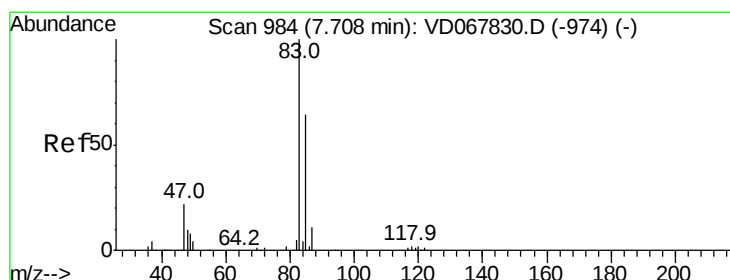
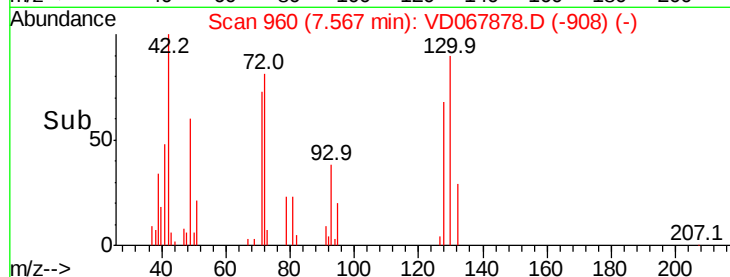
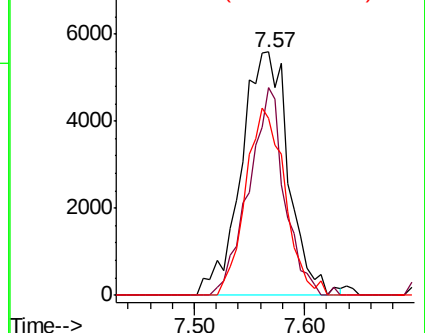
71 64.0 48.2 72.4



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 21.199 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.01 min

Lab File: VD067878.D

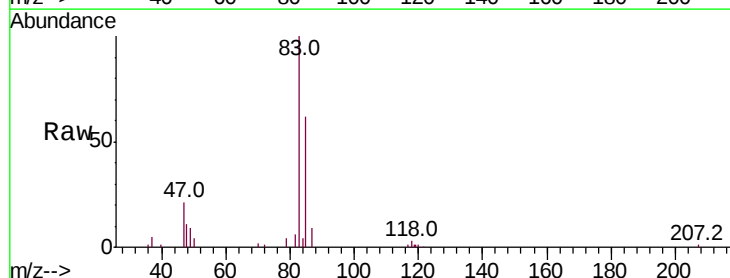
Acq: 04 Dec 2020 11:36

Tgt Ion: 83 Resp: 81598

Ion Ratio Lower Upper

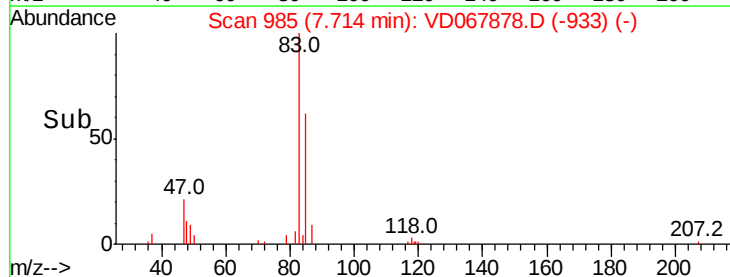
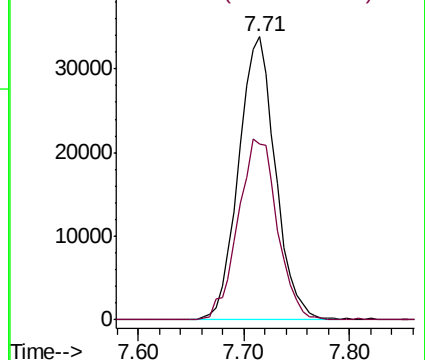
83 100

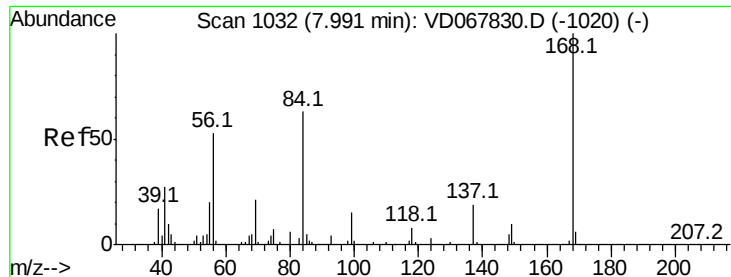
85 62.0 51.0 76.4



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

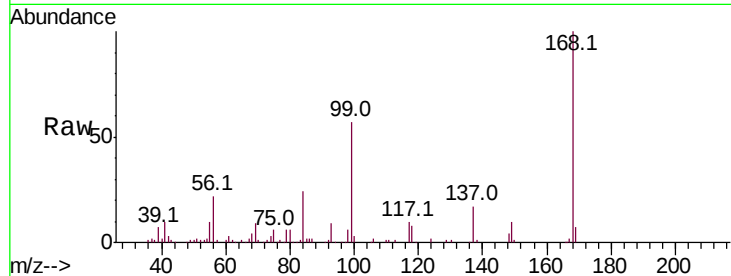




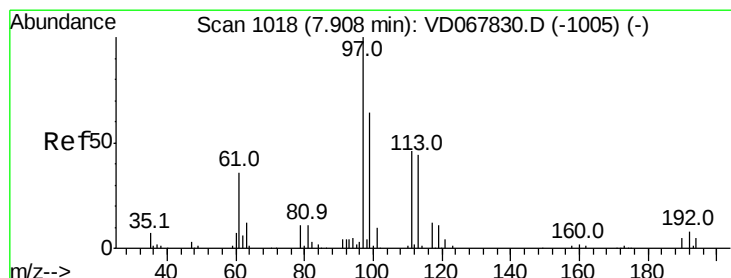
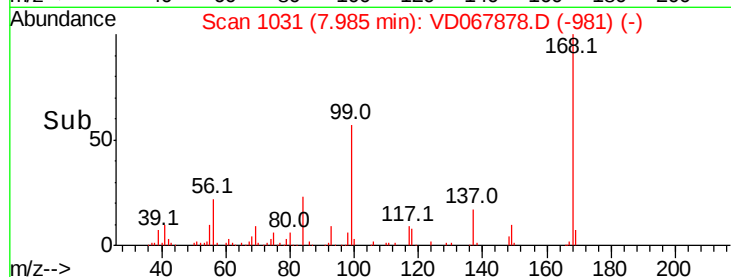
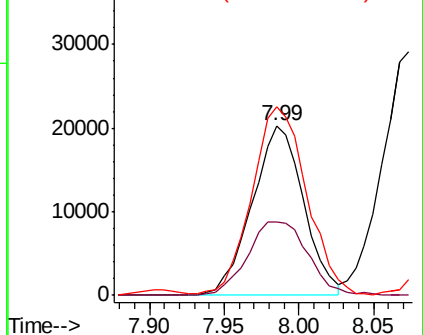
#31
Cyclohexane
Concen: 20.145 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion: 56 Resp: 48556
Ion Ratio Lower Upper
56 100
69 43.6 32.1 48.1
84 109.8 93.2 139.8

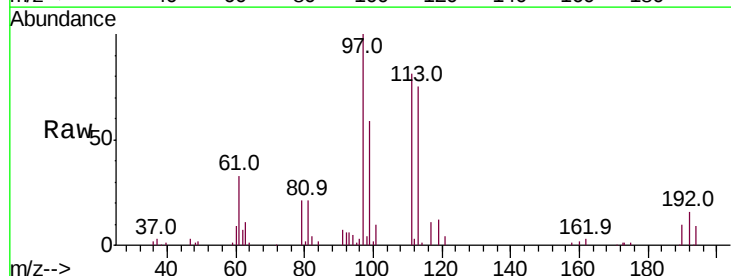


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

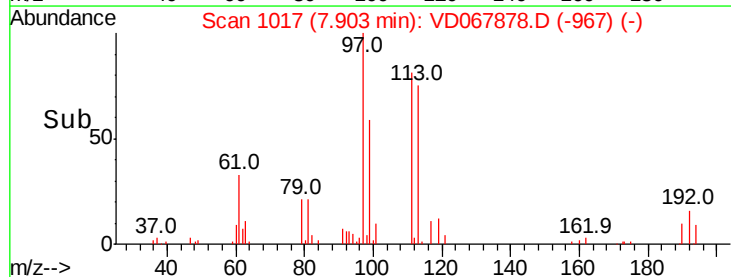
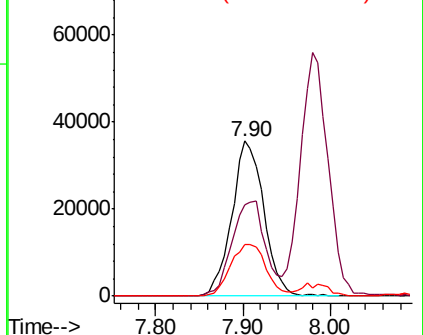


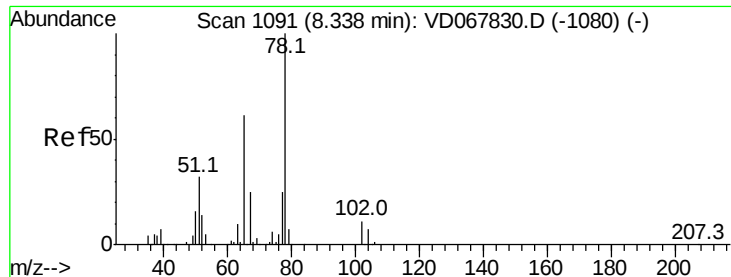
#32
1,1,1-Trichloroethane
Concen: 21.712 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion: 97 Resp: 88222
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.2
61 36.6 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

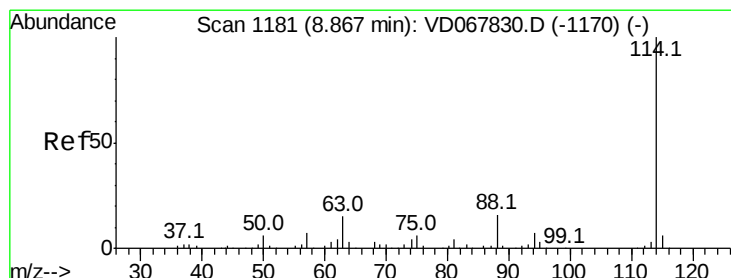
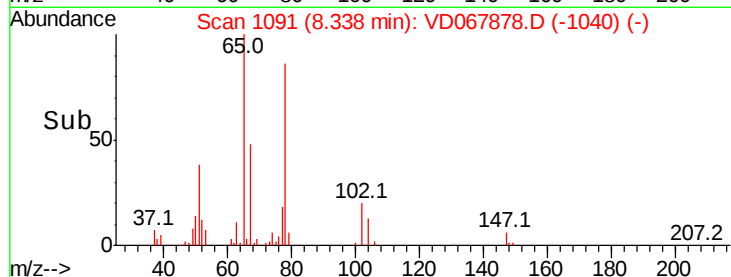
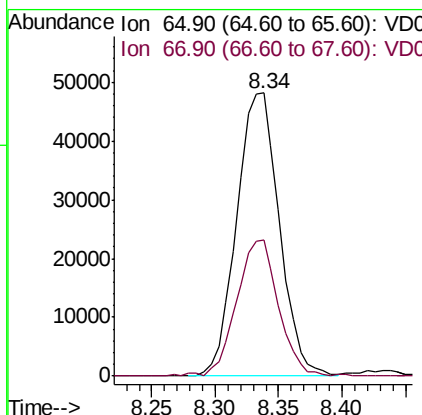
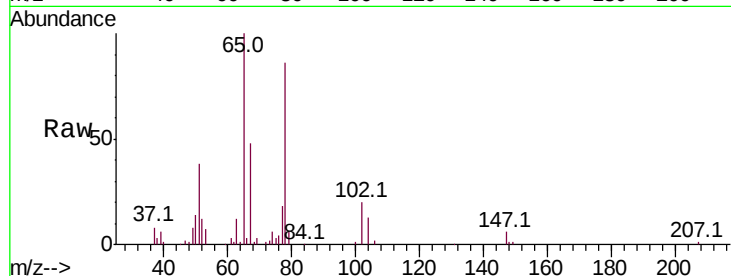




#33
 1,2-Dichloroethane-d4
 Concen: 49.274 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

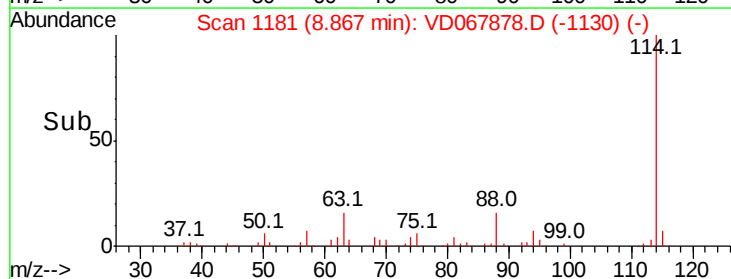
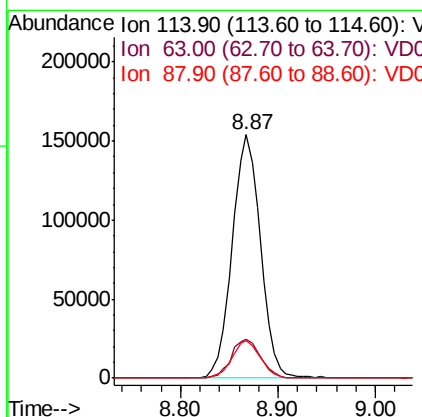
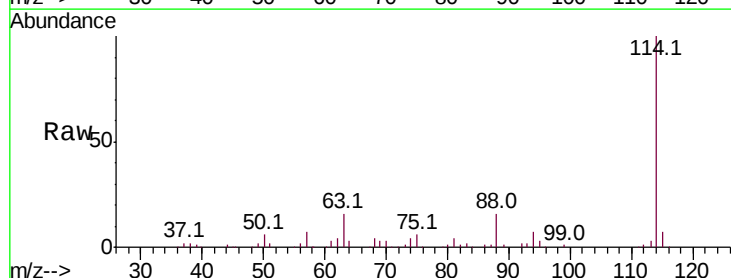
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

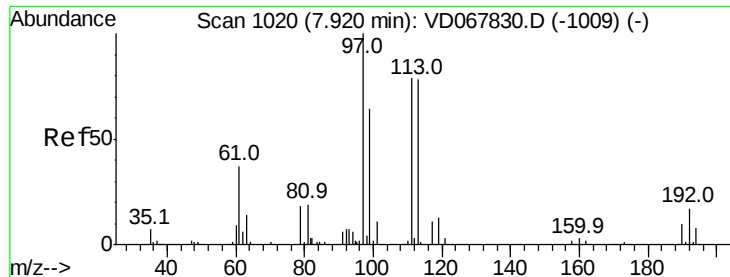
Tot Ion: 65 Resp: 112730
 Ion Ratio Lower Upper
 65 100
 67 47.3 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Tgt Ion: 114 Resp: 310503
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 30.8
 88 15.6 0.0 31.8

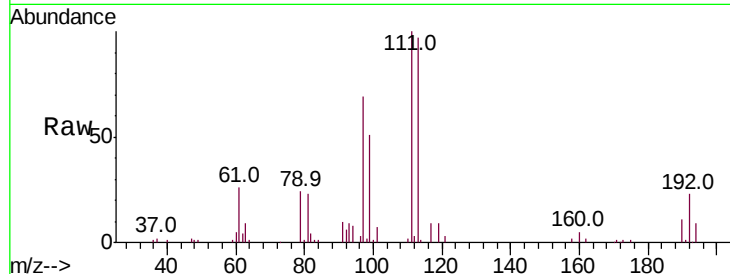




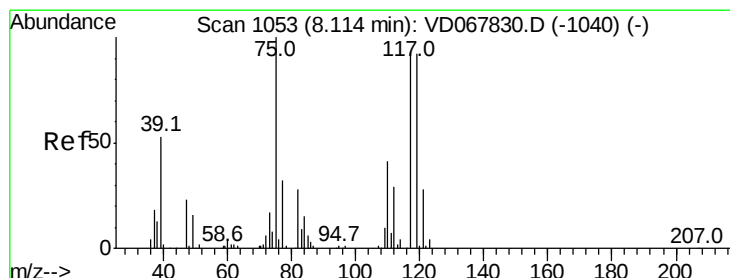
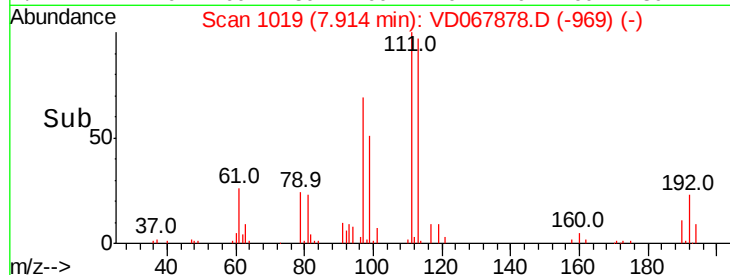
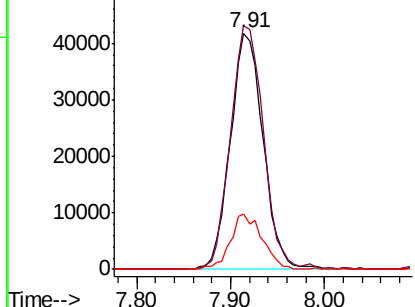
#35
 Dibromofluoromethane
 Concen: 48.798 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Tot Ion:113 Resp: 101388
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.2 121.8
 192 22.5 16.8 25.2

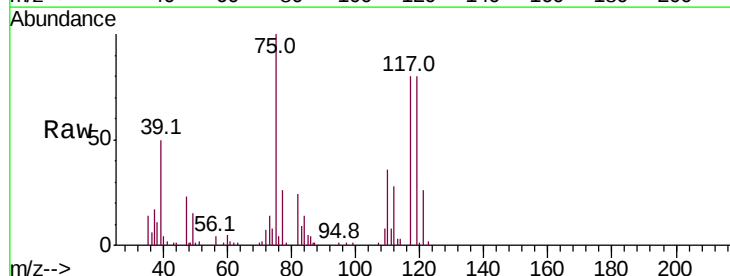


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

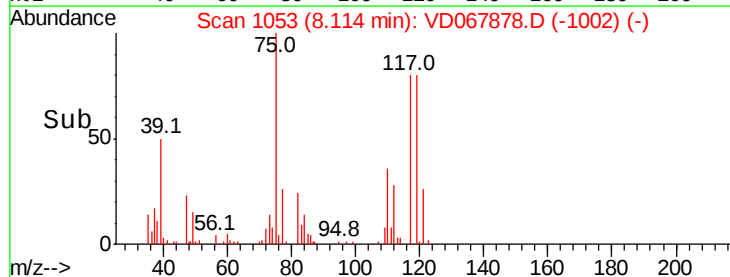
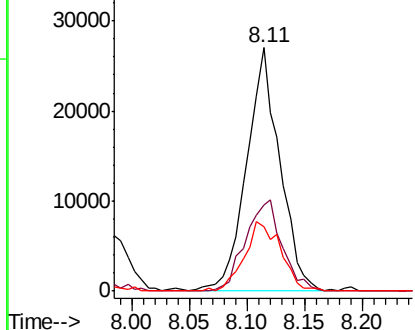


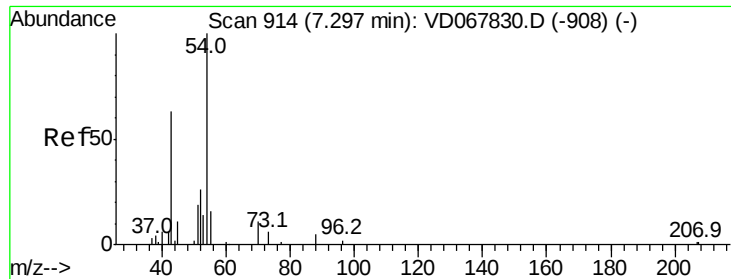
#36
 1,1-Dichloropropene
 Concen: 20.165 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Tgt Ion: 75 Resp: 54203
 Ion Ratio Lower Upper
 75 100
 110 41.0 20.3 61.0
 77 31.4 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

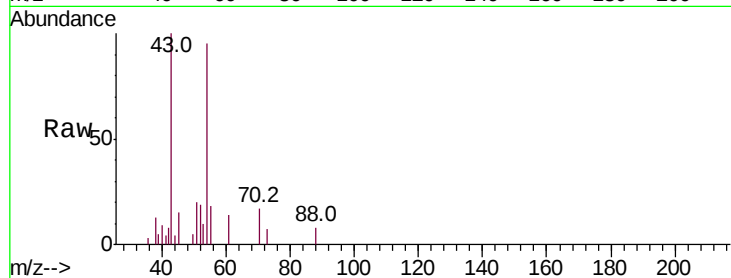




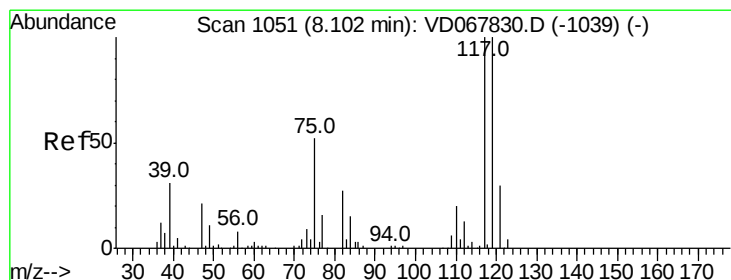
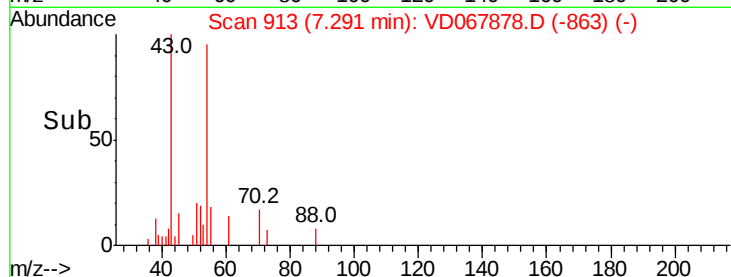
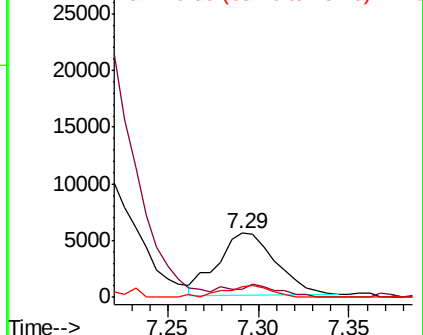
#37
Ethyl Acetate
Concen: 16.703 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Instrument :
MSVOA_D
ClientSampleID :
VD1204SBS01

Tot Ion: 43 Resp: 12101
Ion Ratio Lower Upper
43 100
61 18.1 11.4 17.2#
70 15.5 11.5 17.3

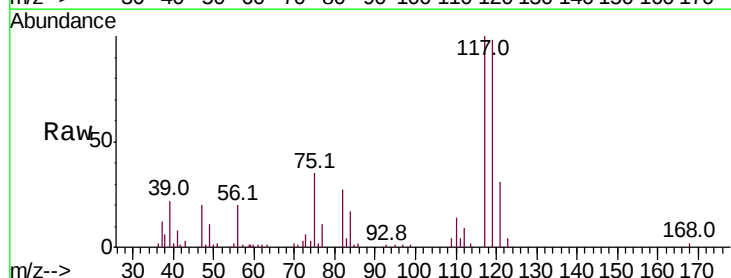


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

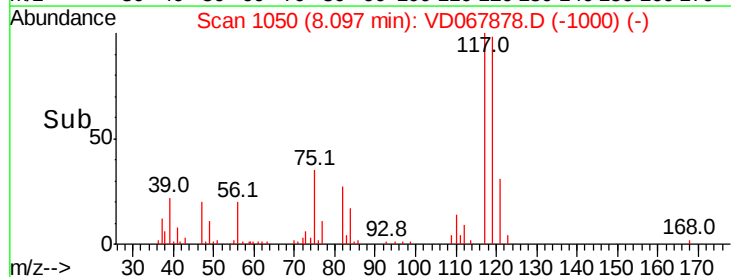
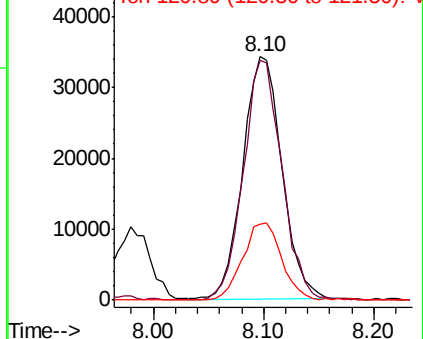


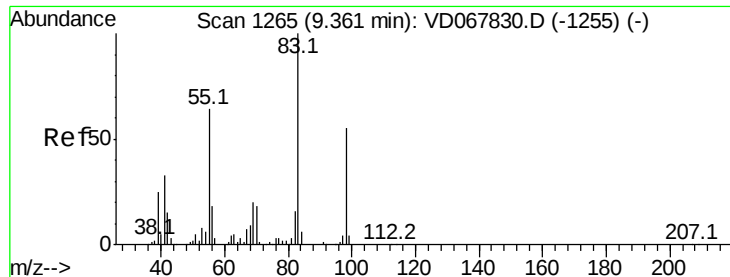
#38
Carbon Tetrachloride
Concen: 20.975 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion: 117 Resp: 85306
Ion Ratio Lower Upper
117 100
119 98.9 79.7 119.5
121 31.4 23.8 35.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

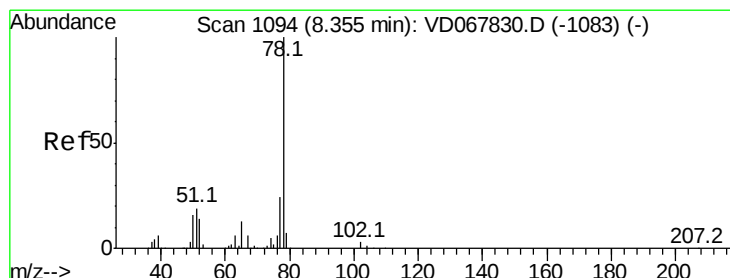
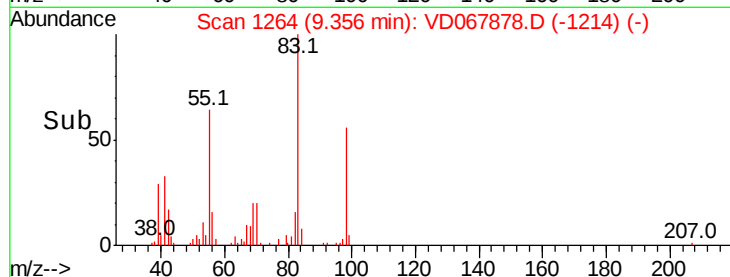
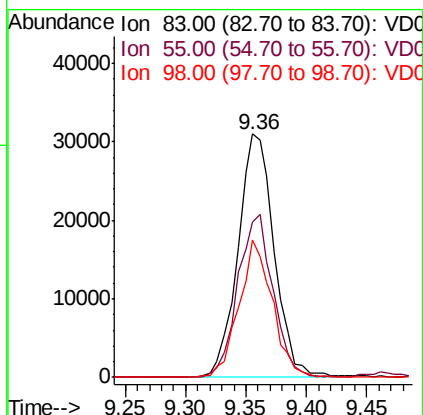
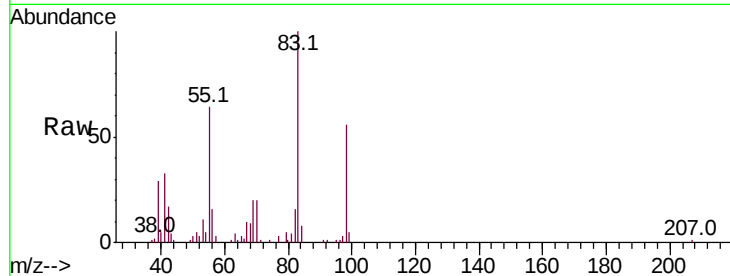




#39
Methvlcvclohexane
Concen: 20.352 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

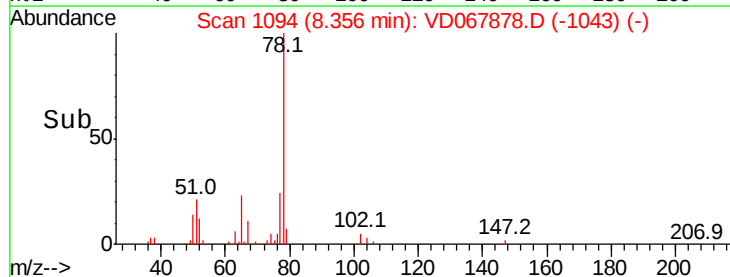
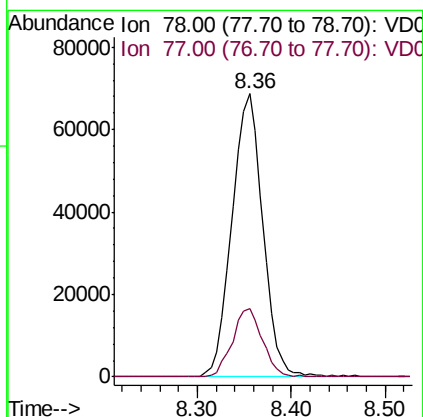
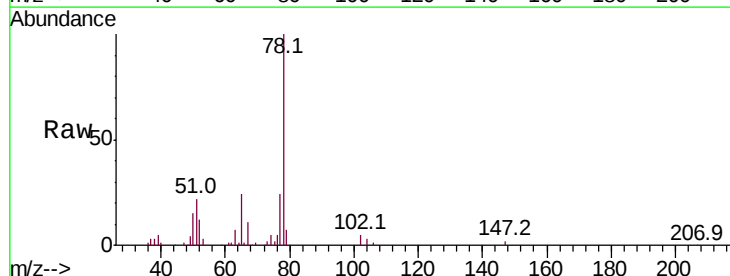
Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

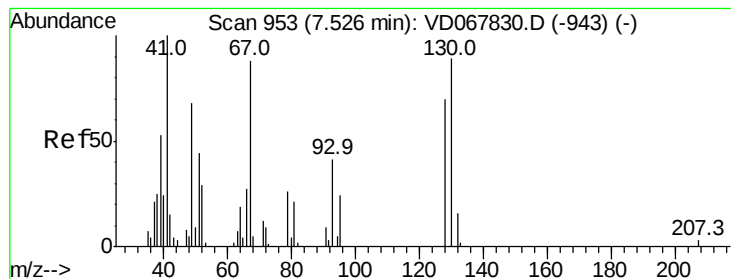
Tot Ion	83	Resp	64829
Ion Ratio	Lower	Upper	
83	100		
55	63.6	51.6	77.4
98	56.3	44.3	66.5



#40
Benzene
Concen: 21.295 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion	78	Resp	156627
Ion Ratio	Lower	Upper	
78	100		
77	24.3	19.1	28.7





#41

Methacrylonitrile

Concen: 23.098 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Tot Ion: 41 Resp: 8775

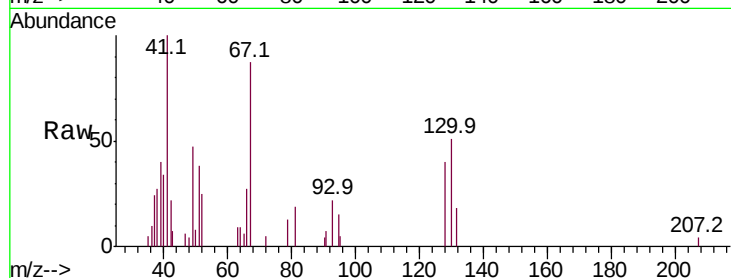
Ion Ratio Lower Upper

41 100

39 0.0 42.1 63.1#

67 90.9 82.4 123.6

52 35.7 30.6 45.8

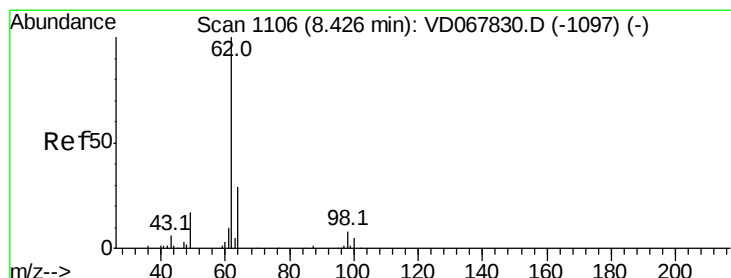
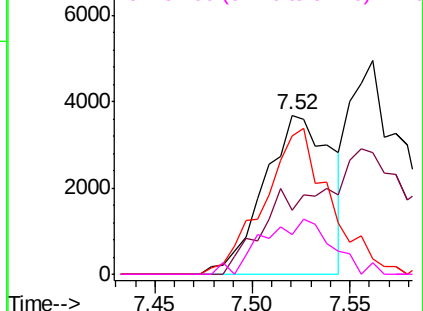
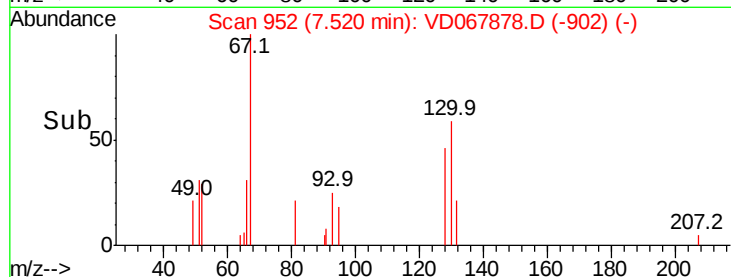


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 20.660 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067878.D

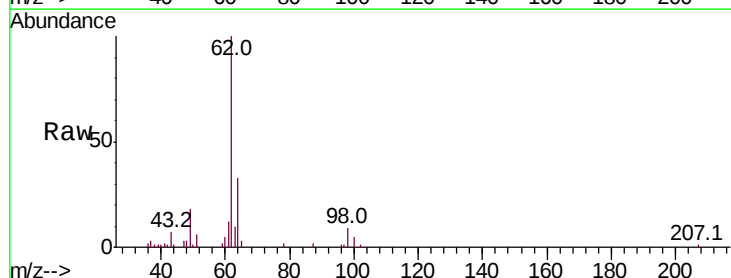
Acq: 04 Dec 2020 11:36

Tgt Ion: 62 Resp: 54157

Ion Ratio Lower Upper

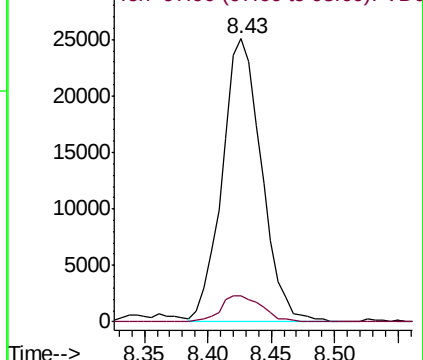
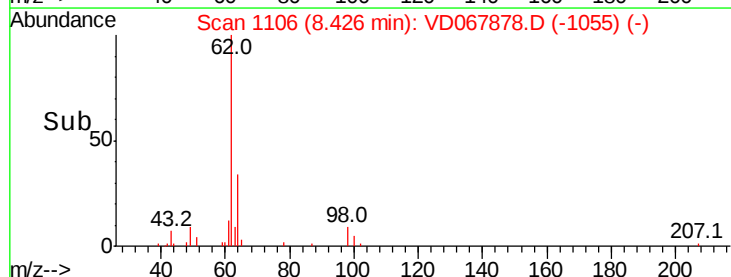
62 100

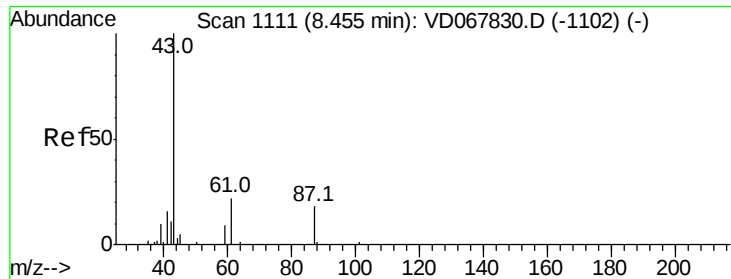
98 9.7 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 18.939 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

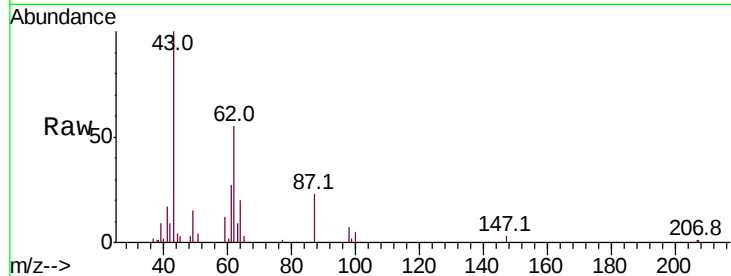
Tot Ion: 43 Resp: 26997

Ion Ratio Lower Upper

43 100

61 39.9 30.4 45.6

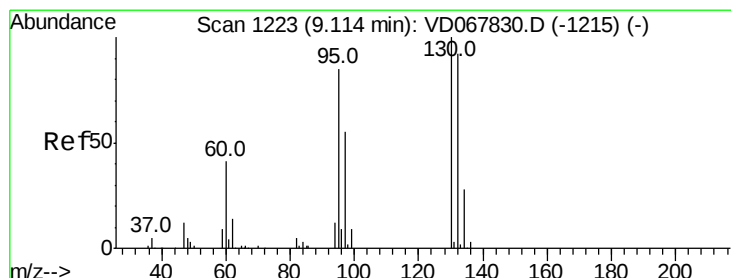
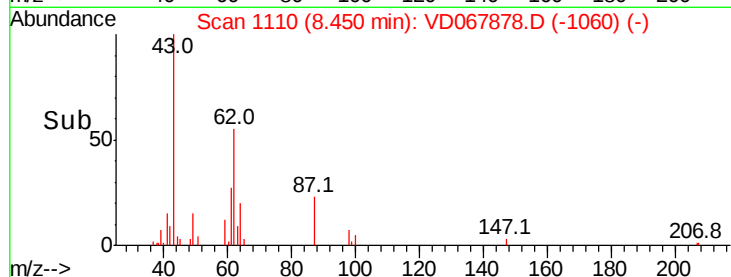
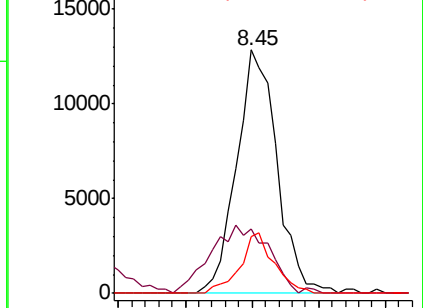
87 20.7 16.2 24.2



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: 21.389 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067878.D

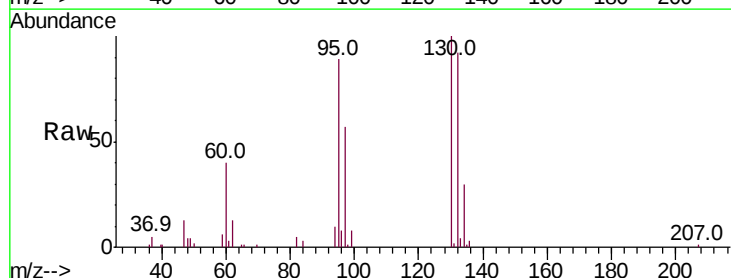
Acq: 04 Dec 2020 11:36

Tgt Ion:130 Resp: 54088

Ion Ratio Lower Upper

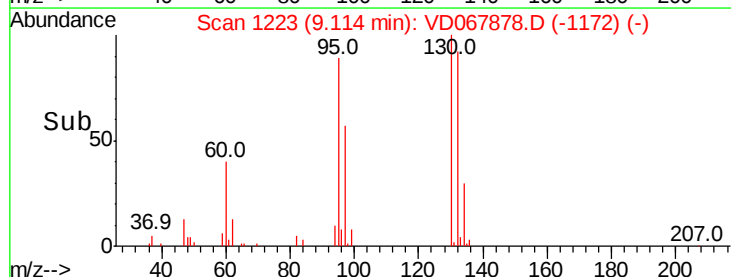
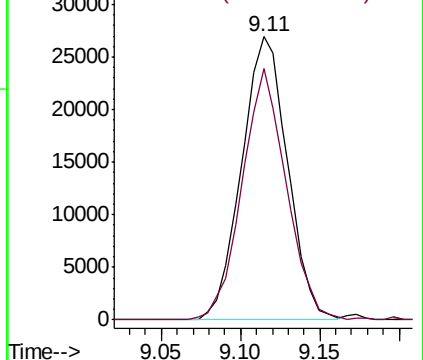
130 100

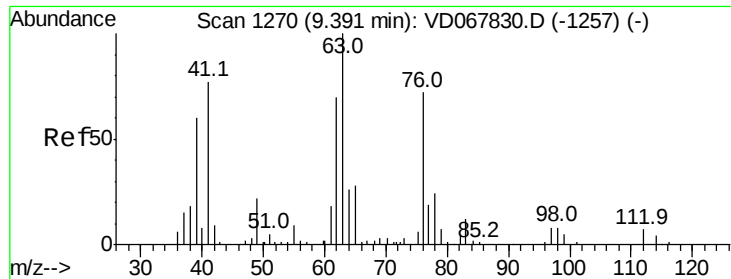
95 88.9 0.0 170.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.696 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

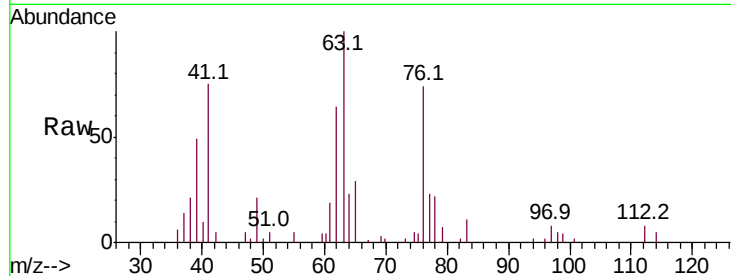
VD1204SBS01

Tot Ion: 63 Resp: 31243

Ion Ratio Lower Upper

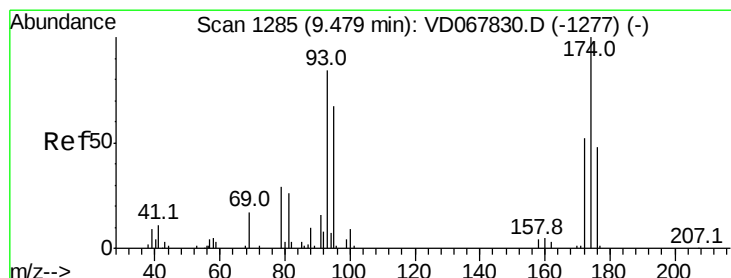
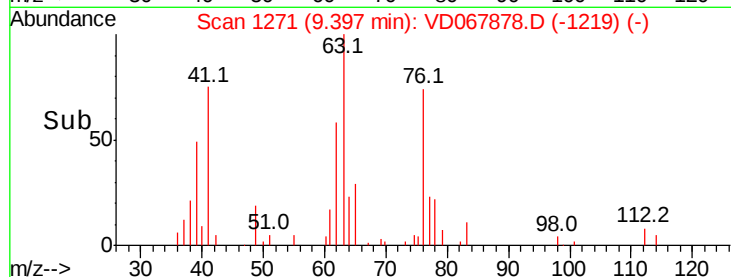
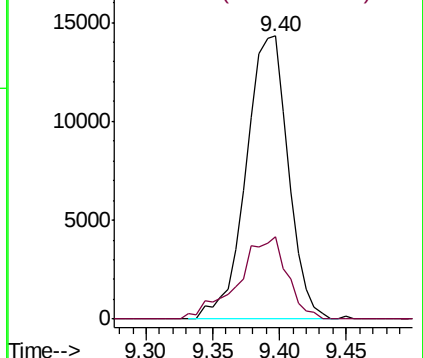
63 100

65 28.9 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: 21.365 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

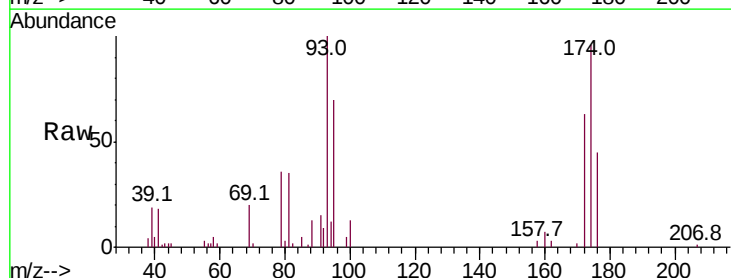
Tgt Ion: 93 Resp: 22424

Ion Ratio Lower Upper

93 100

95 80.0 64.2 96.4

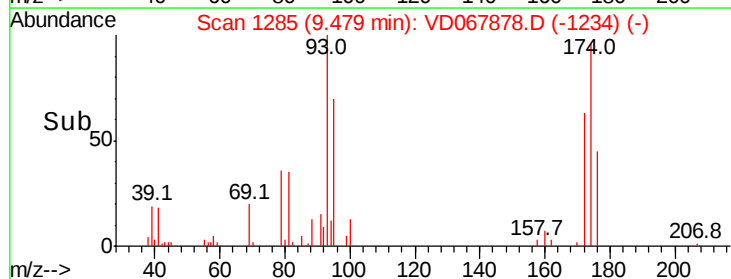
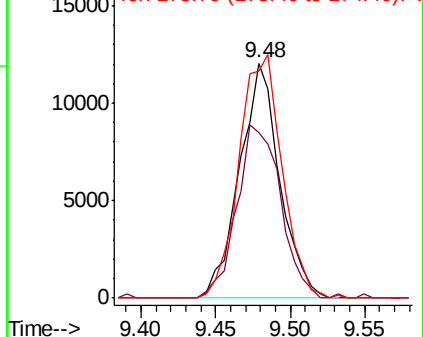
174 111.6 91.5 137.3

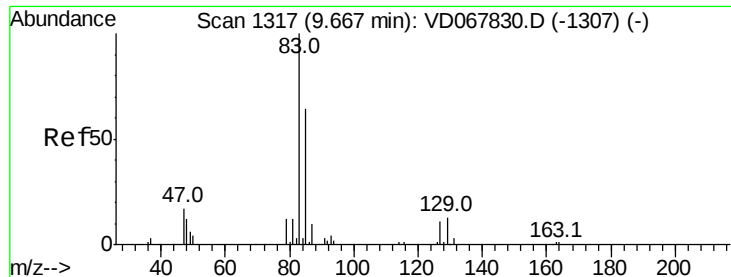


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.391 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

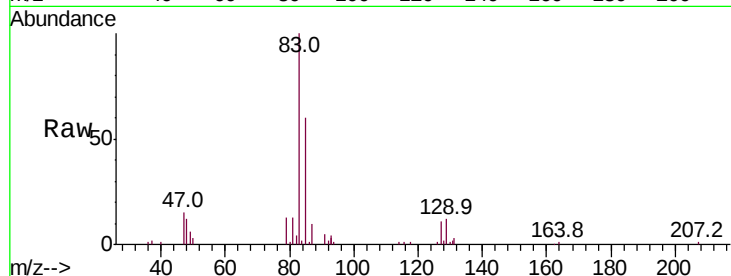
Tot Ion: 83 Resp: 64007

Ion Ratio Lower Upper

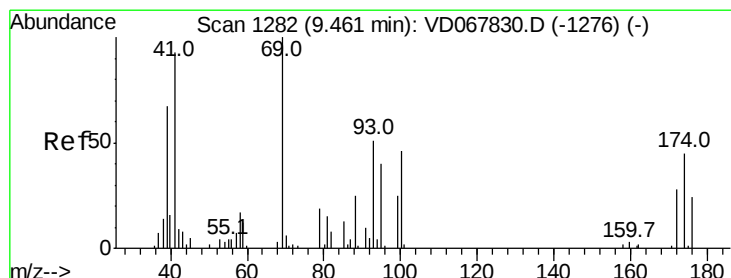
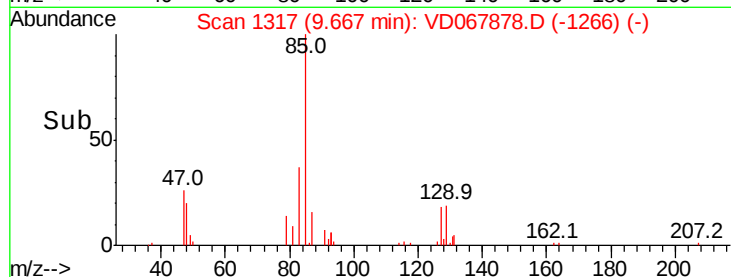
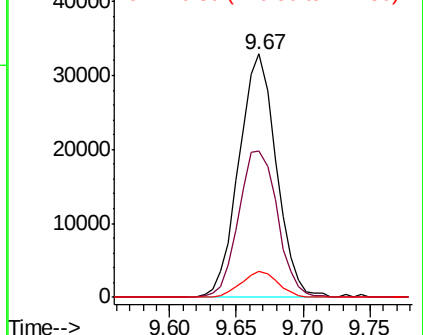
83 100

85 60.2 51.4 77.0

127 10.5 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: 18.697 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

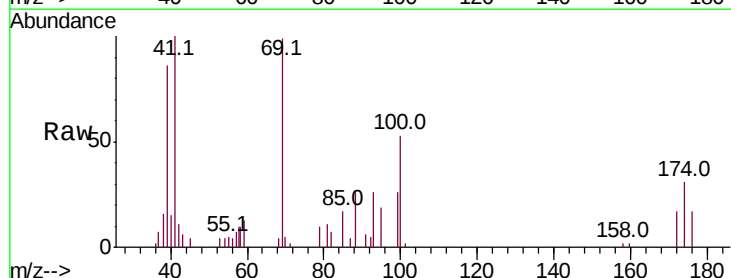
Tgt Ion: 41 Resp: 13533

Ion Ratio Lower Upper

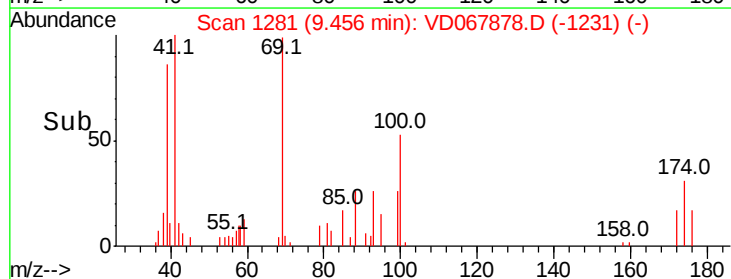
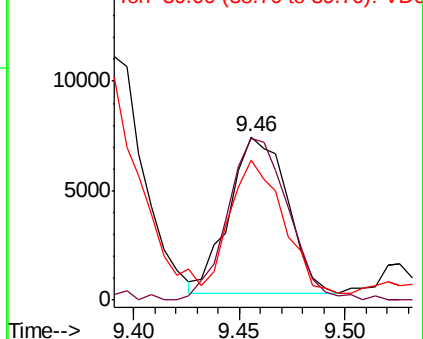
41 100

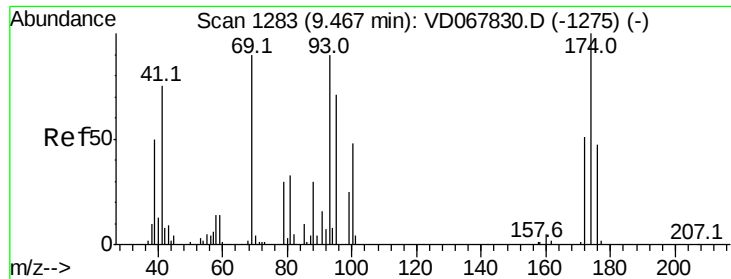
69 108.5 87.6 131.4

39 87.3 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

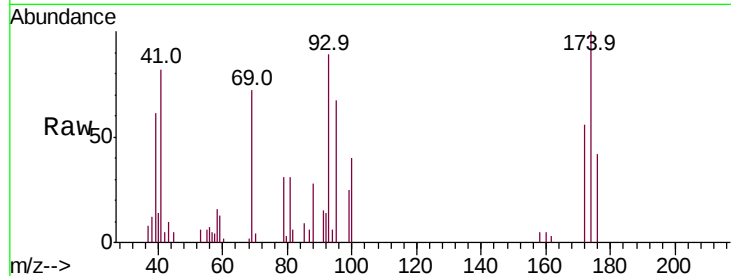




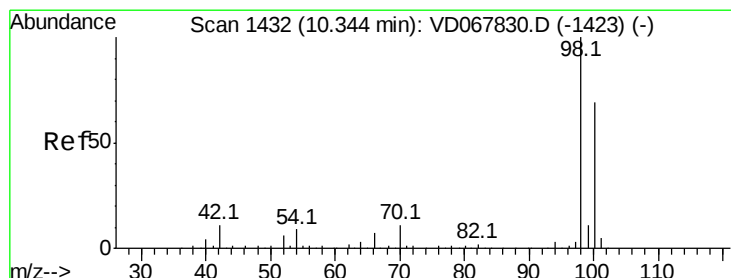
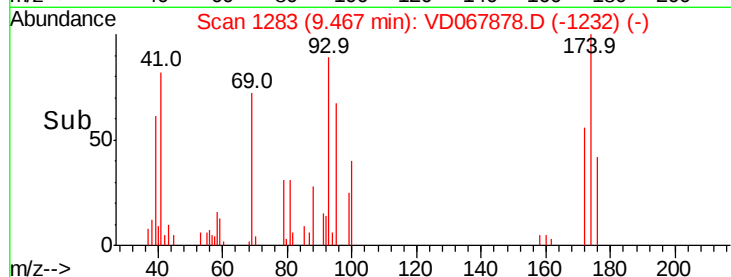
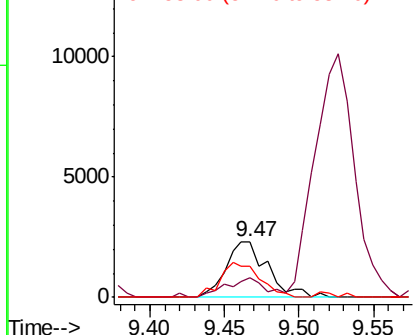
#49
1,4-Dioxane
Concen: 375.715 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion: 88 Resp: 4506
Ion Ratio Lower Upper
88 100
43 33.4 30.1 45.1
58 59.1 42.4 63.6

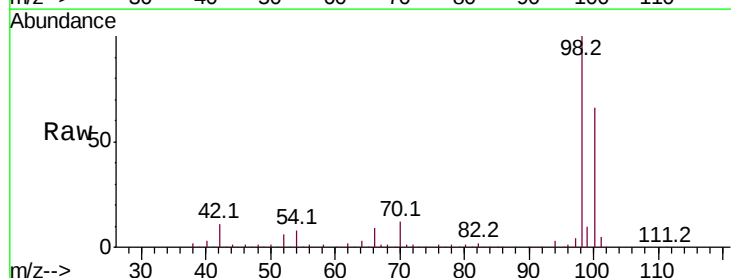


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

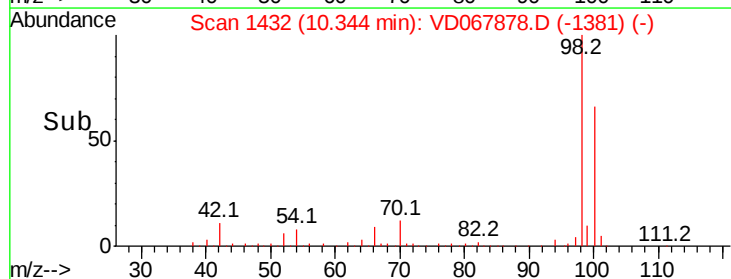
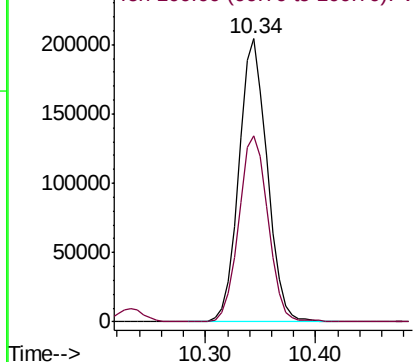


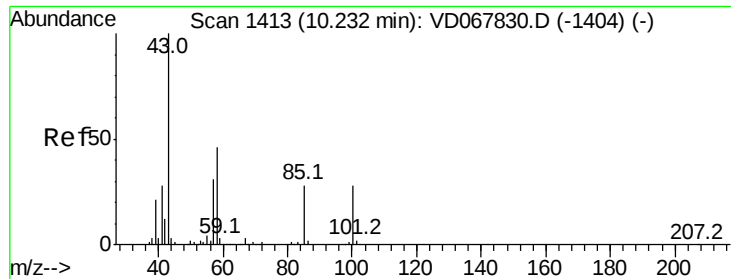
#50
Toluene-d8
Concen: 49.249 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion: 98 Resp: 368351
Ion Ratio Lower Upper
98 100
100 68.2 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: 97.547 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

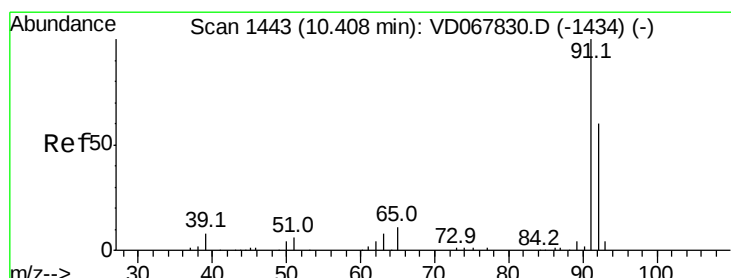
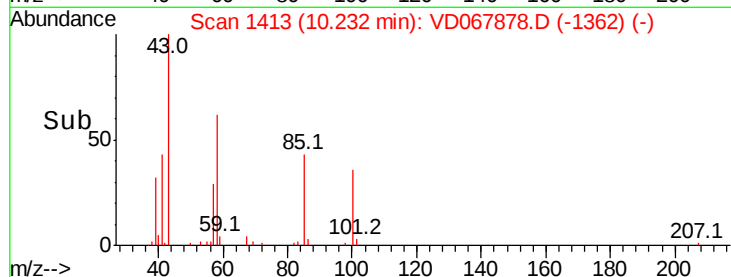
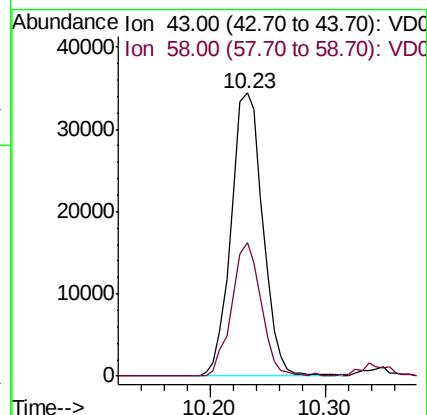
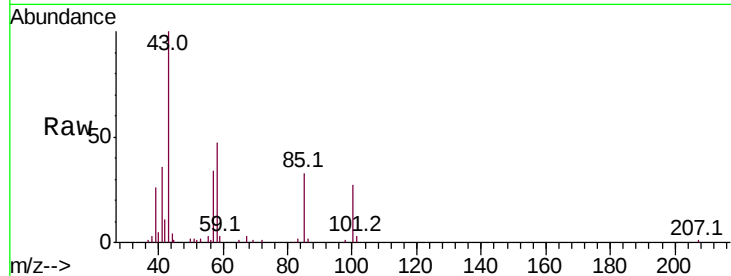
VD1204SBS01

Tot Ion: 43 Resp: 65810

Ion Ratio Lower Upper

43 100

58 43.4 35.7 53.5



#52

Toluene

Concen: 21.572 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067878.D

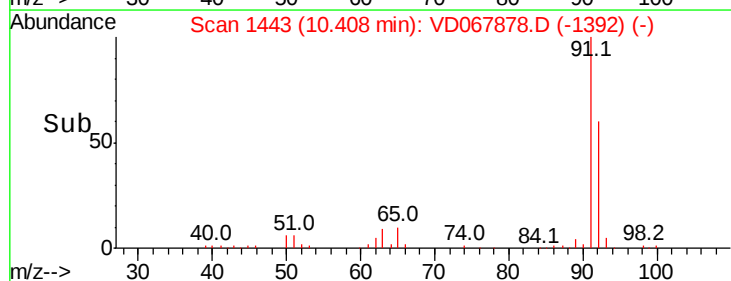
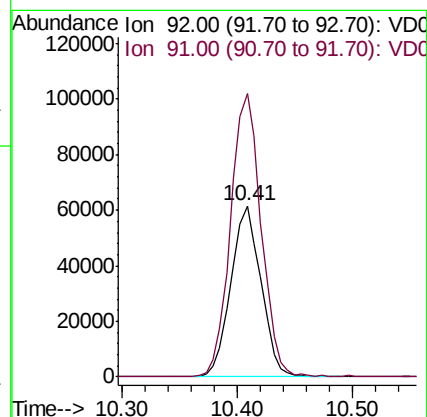
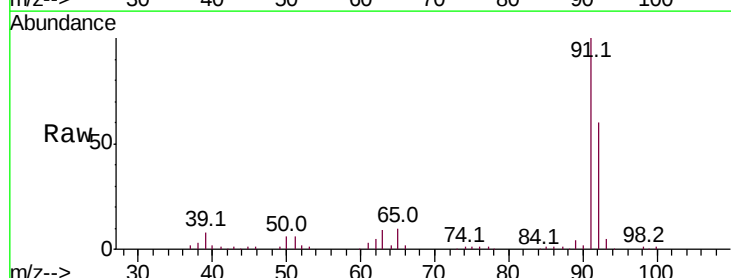
Acq: 04 Dec 2020 11:36

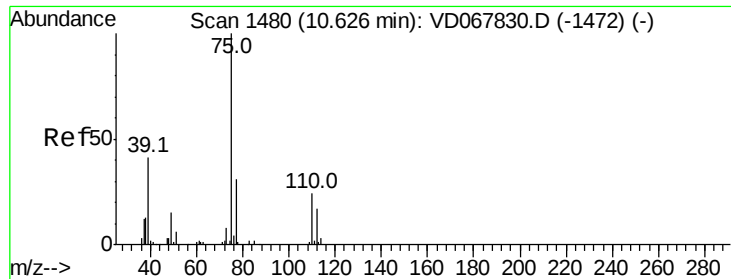
Tgt Ion: 92 Resp: 110932

Ion Ratio Lower Upper

92 100

91 168.6 134.2 201.2

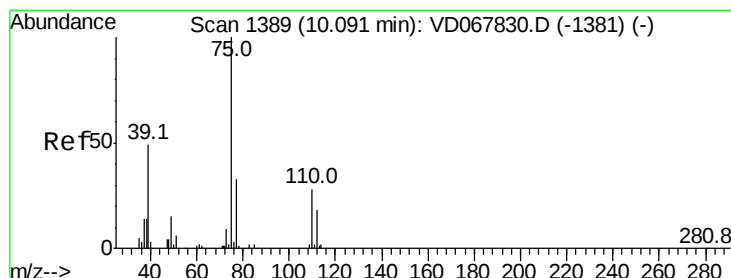
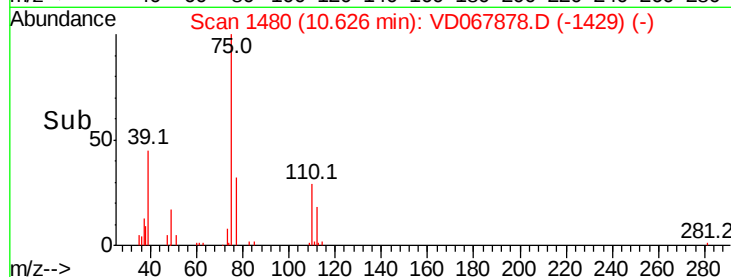
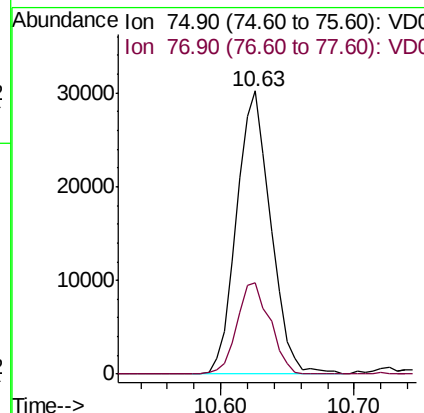
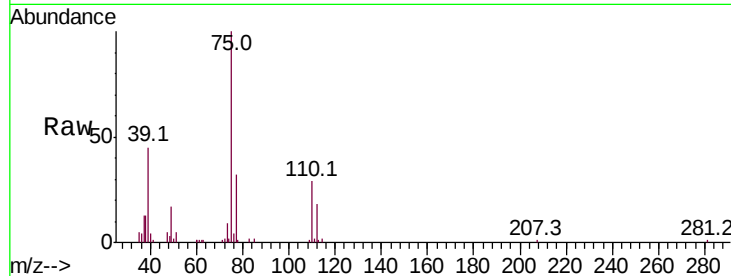




#53
 t-1,3-Dichloropropene
 Concen: 20.744 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

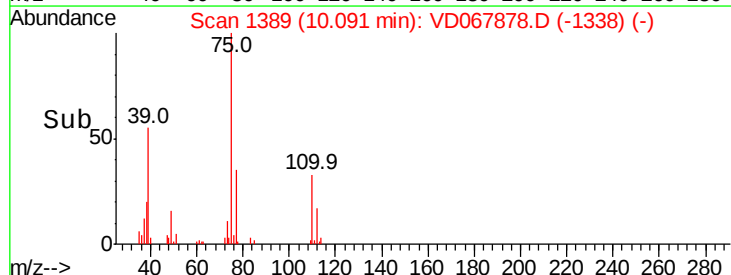
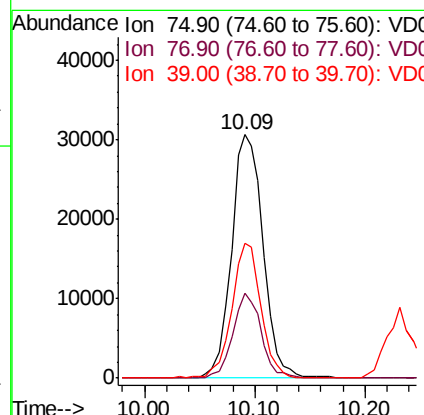
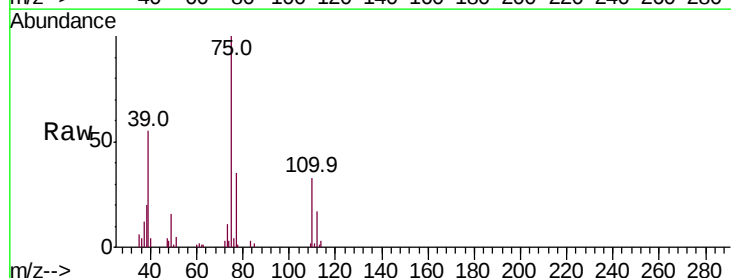
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

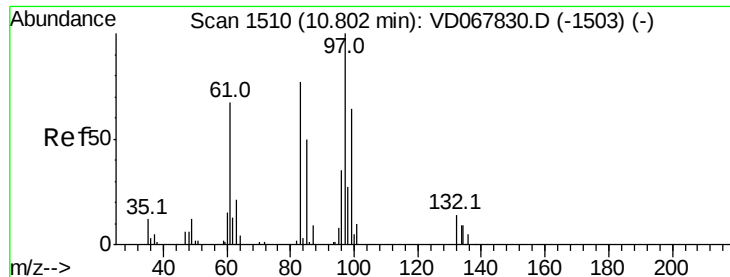
Tot Ion: 75 Resp: 53575
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 21.777 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Tgt Ion: 75 Resp: 61178
 Ion Ratio Lower Upper
 75 100
 77 35.1 26.2 39.2
 39 55.2 39.0 58.4





#55

1,1,2-Trichloroethane

Concen: 20.353 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

Tot Ion: 97 Resp: 29235

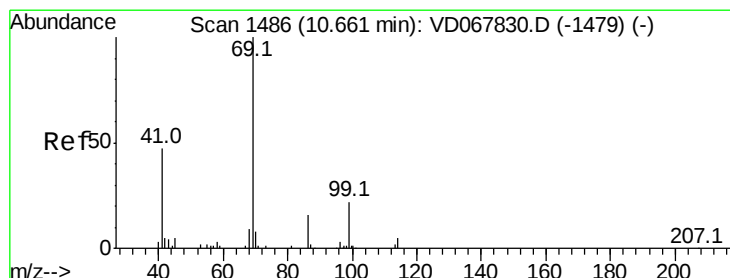
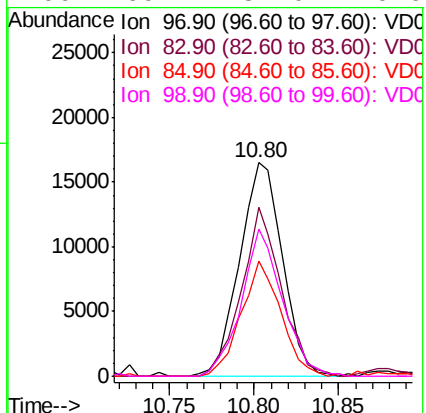
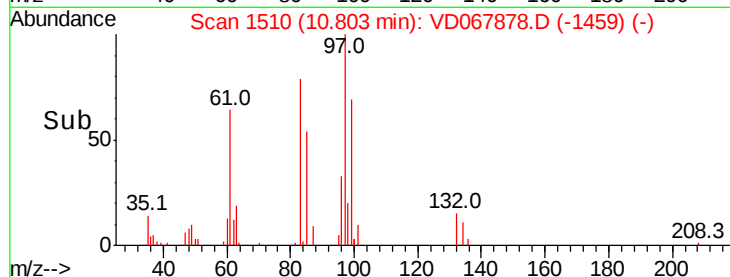
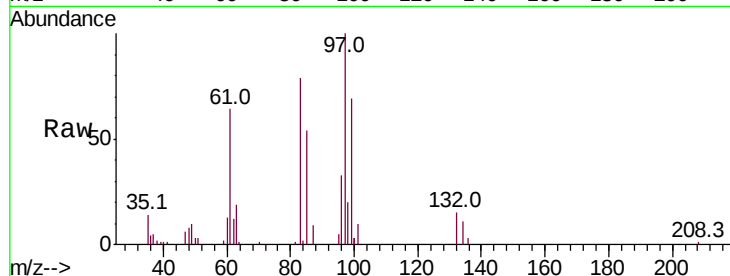
Ion	Ratio	Lower	Upper
97	100		
83	78.9	61.9	92.9
85	53.9	40.2	60.4
99	69.2	51.0	76.6

97 100

83 78.9 61.9 92.9

85 53.9 40.2 60.4

99 69.2 51.0 76.6



#56

Ethyl methacrylate

Concen: 19.426 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

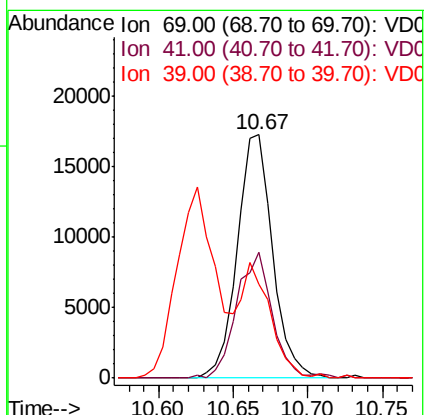
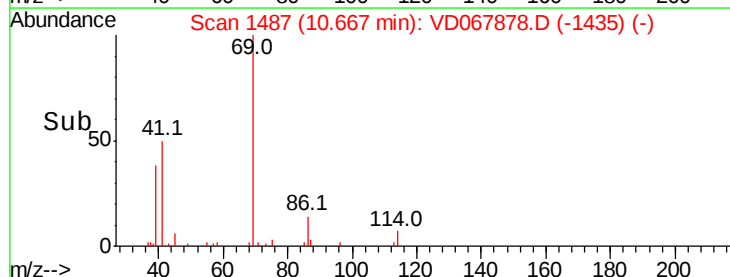
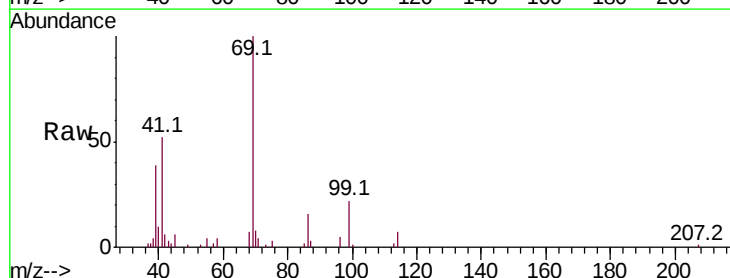
Tgt Ion: 69 Resp: 28390

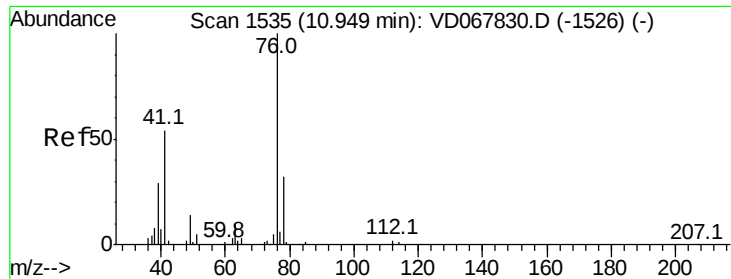
Ion	Ratio	Lower	Upper
69	100		
41	52.3	42.8	64.2
39	39.2	30.5	45.7

69 100

41 52.3 42.8 64.2

39 39.2 30.5 45.7





#57

1,3-Dichloropropane

Concen: 20.306 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

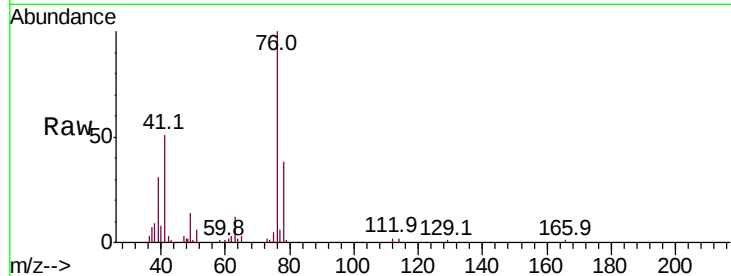
VD1204SBS01

Tot Ion: 76 Resp: 46202

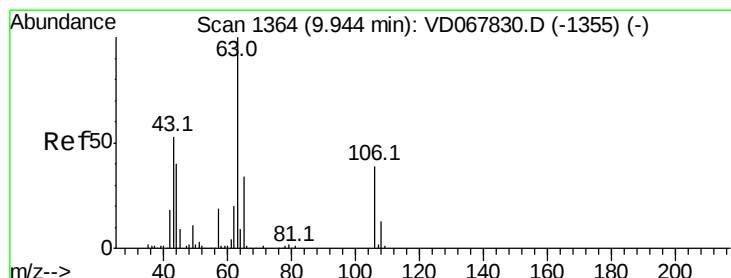
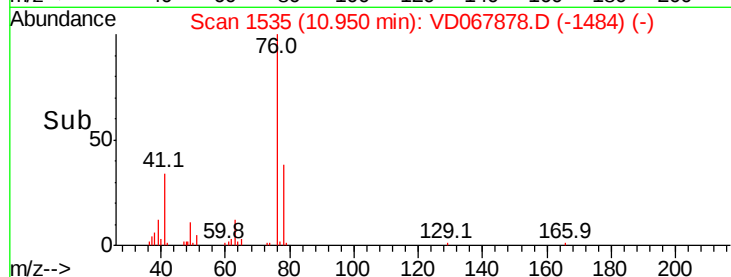
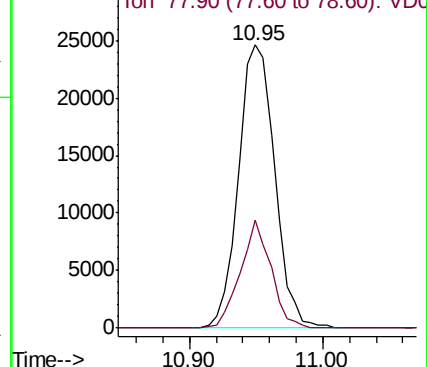
Ion Ratio Lower Upper

76 100

78 32.4 26.6 39.8



Abundance Ion 75.90 (75.60 to 76.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 84.452 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067878.D

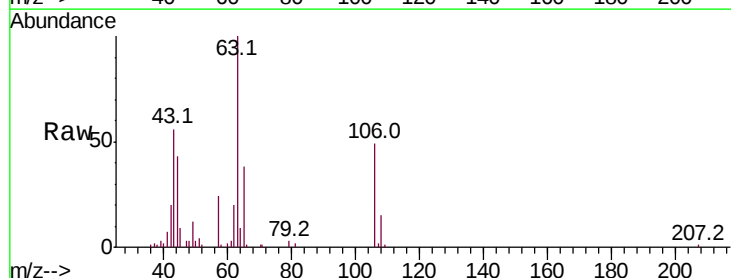
Acq: 04 Dec 2020 11:36

Tgt Ion: 63 Resp: 56161

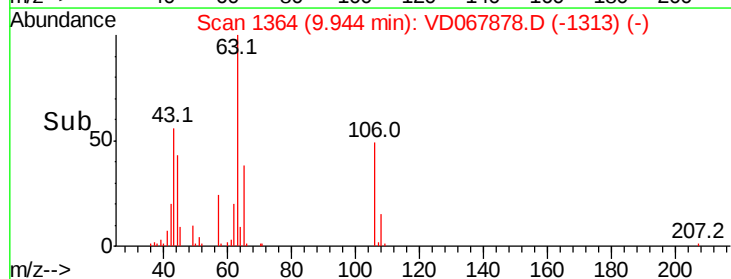
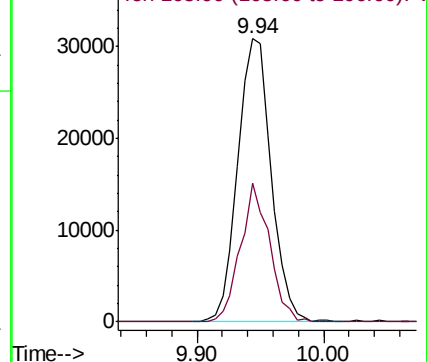
Ion Ratio Lower Upper

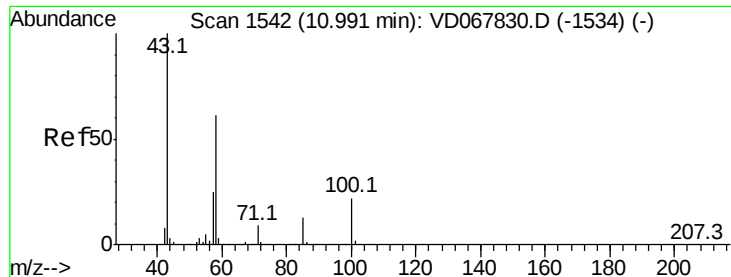
63 100

106 42.9 32.0 48.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

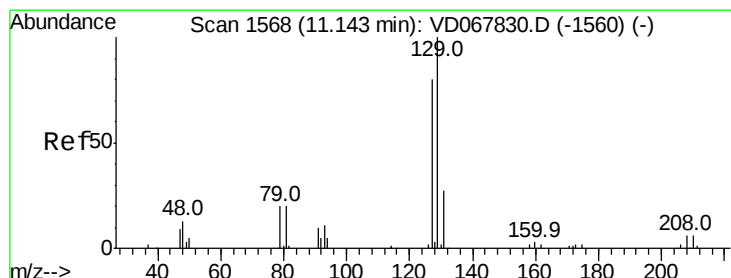
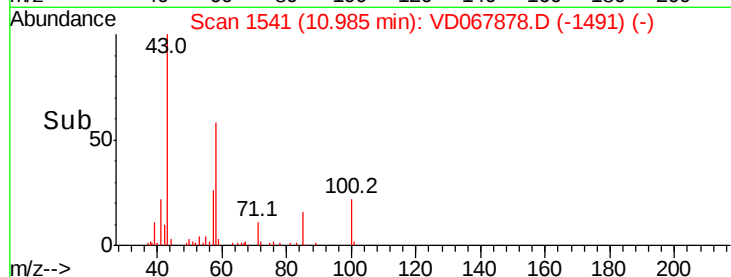
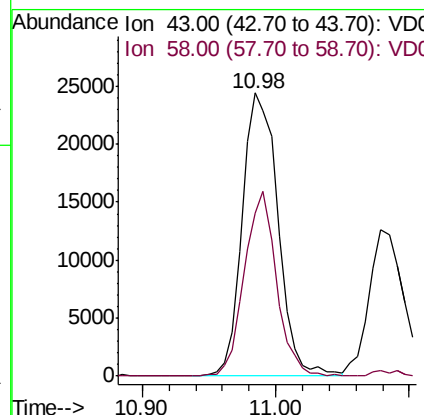
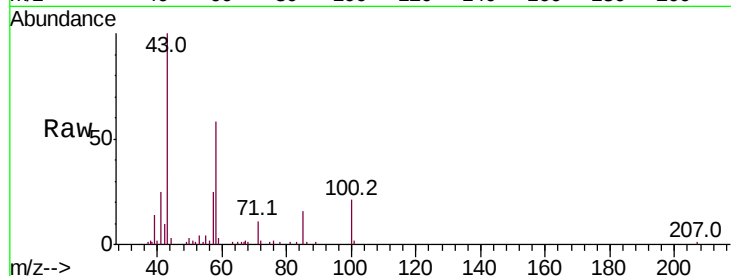




#59
2-Hexanone
Concen: 94.783 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

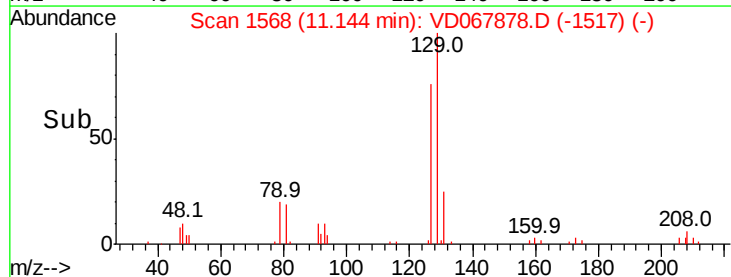
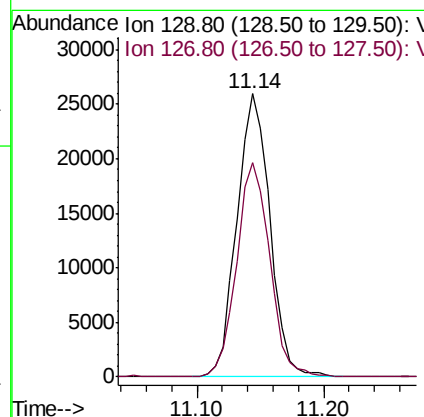
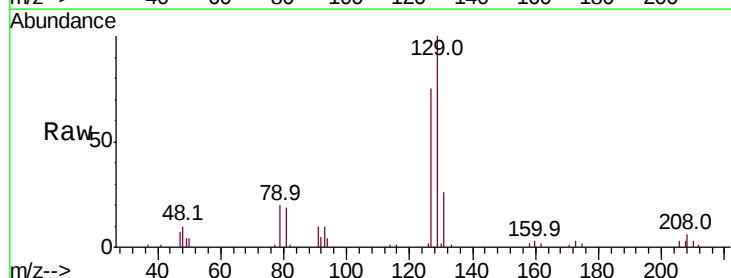
Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

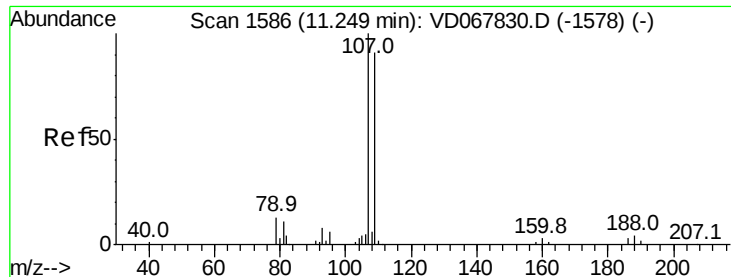
Tot Ion: 43 Resp: 45078
Ion Ratio Lower Upper
43 100
58 58.7 29.9 89.7



#60
Dibromochloromethane
Concen: 21.577 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion: 129 Resp: 46720
Ion Ratio Lower Upper
129 100
127 76.2 39.2 117.6

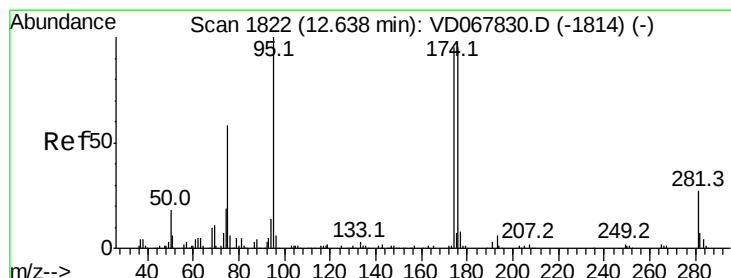
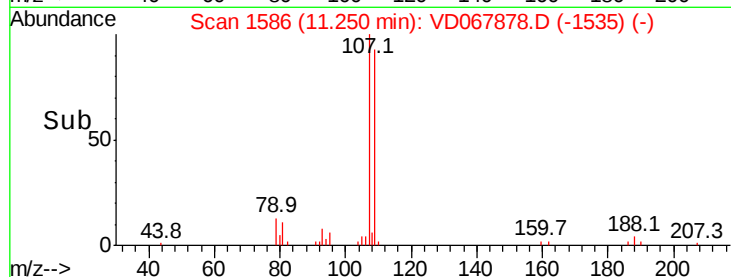
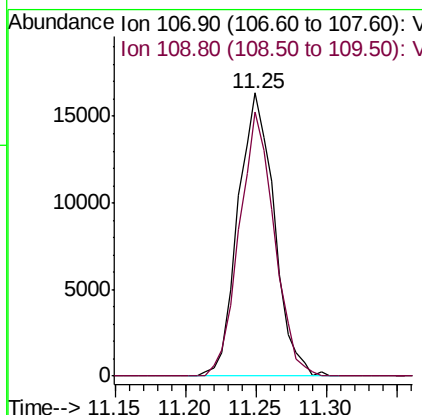
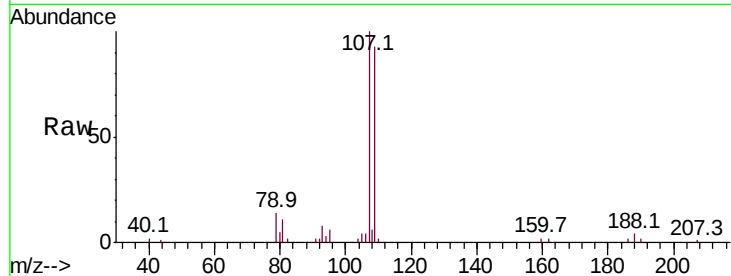




#61
 1,2-Dibromoethane
 Concen: 20.740 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

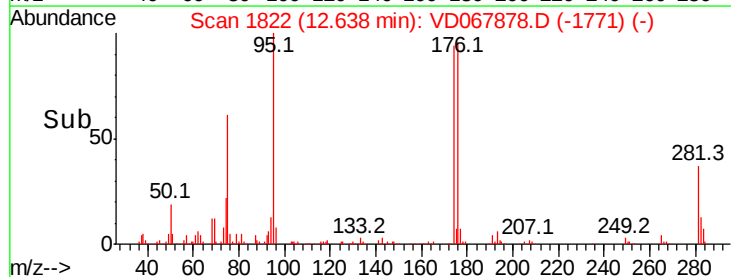
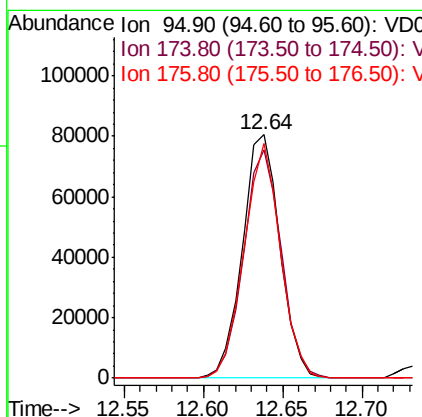
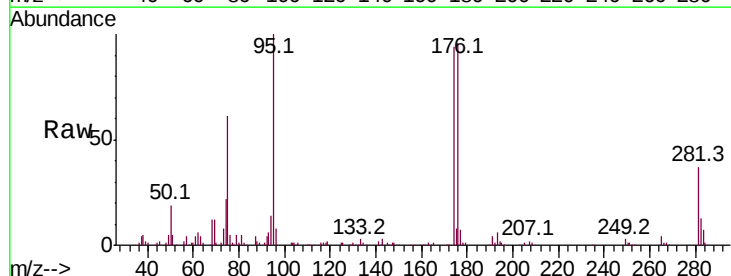
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

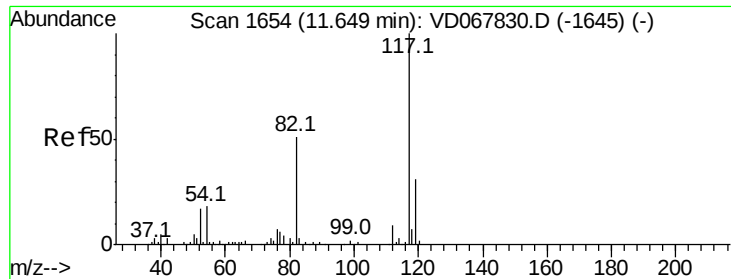
Tot Ion:107 Resp: 29296
 Ion Ratio Lower Upper
 107 100
 109 90.1 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 51.235 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Tgt Ion: 95 Resp: 132485
 Ion Ratio Lower Upper
 95 100
 174 94.0 0.0 186.0
 176 93.2 0.0 184.2

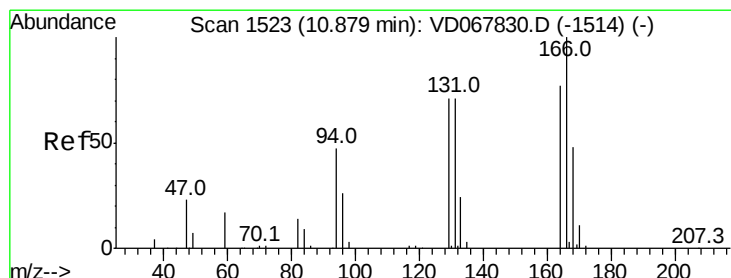
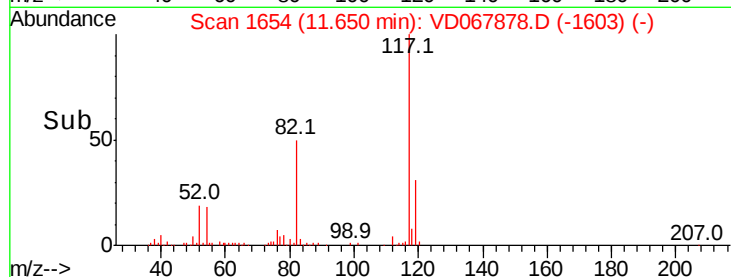
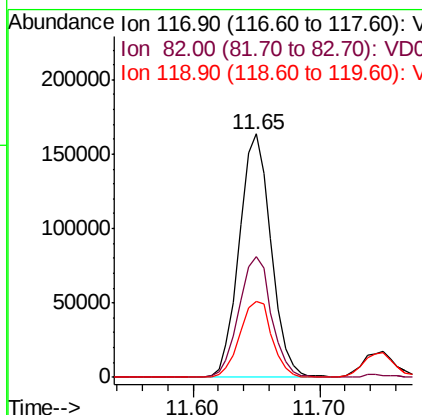
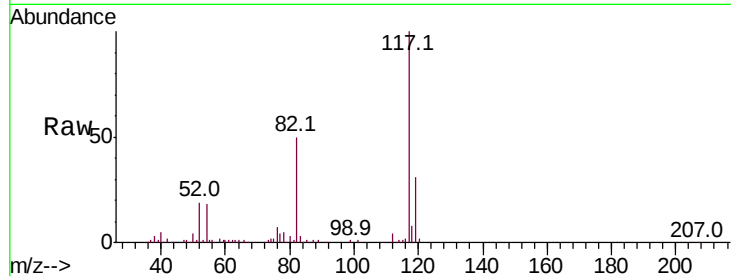




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

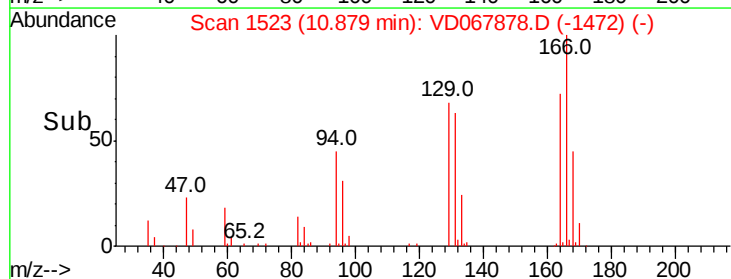
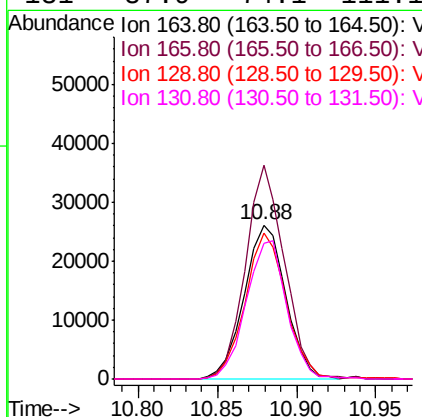
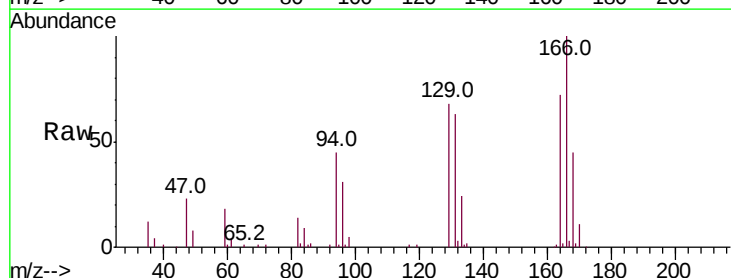
Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

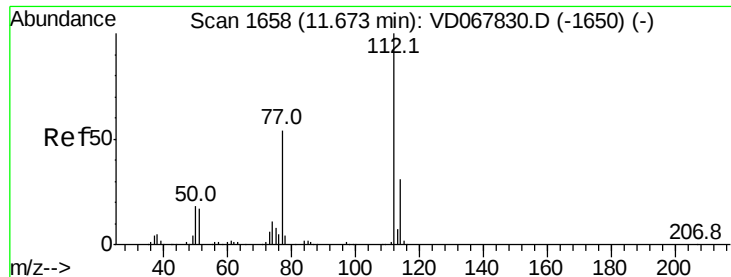
Tot Ion:117 Resp: 284551
Ion Ratio Lower Upper
117 100
82 49.5 40.6 60.8
119 31.2 25.1 37.7



#64
Tetrachloroethene
Concen: 20.546 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion:164 Resp: 47687
Ion Ratio Lower Upper
164 100
166 138.7 103.8 155.6
129 94.8 73.3 109.9
131 87.9 74.1 111.1

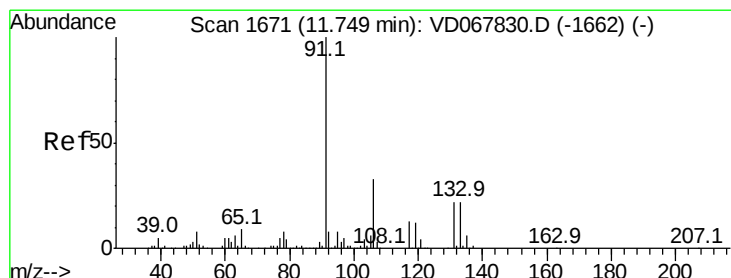
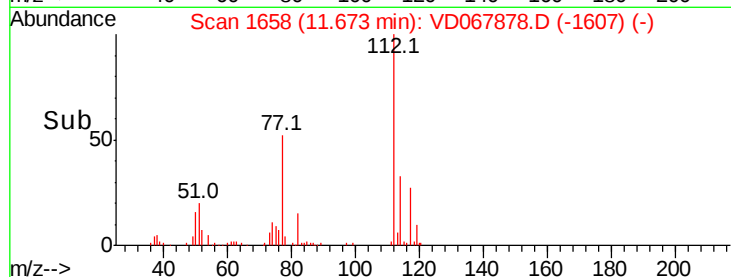
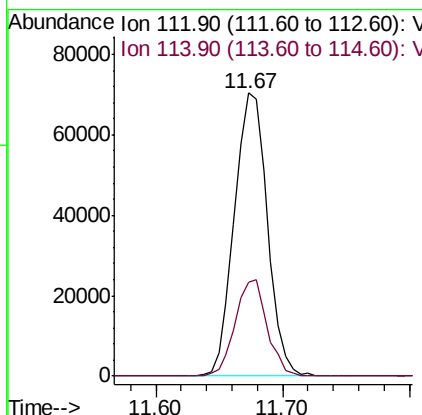
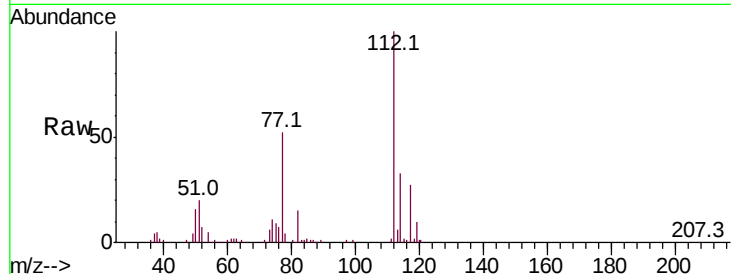




#65
Chlorobenzene
Concen: 21.662 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

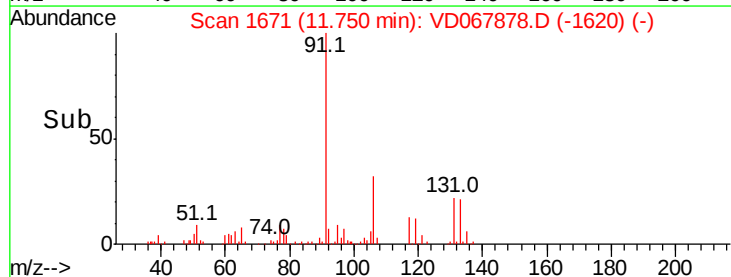
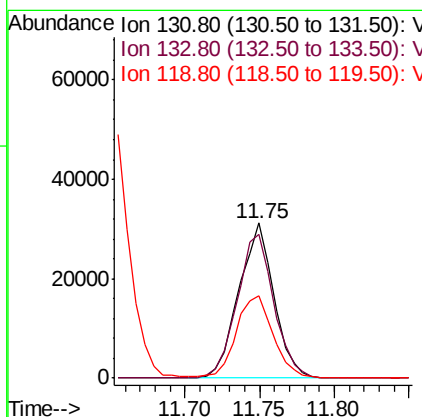
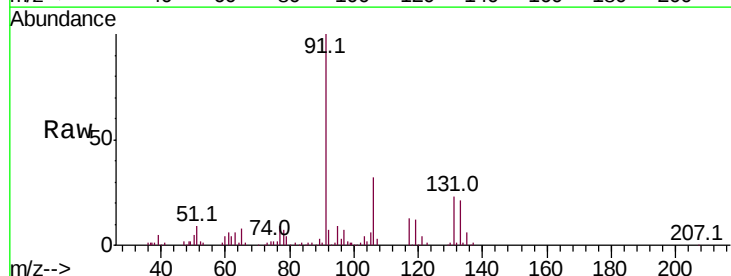
Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

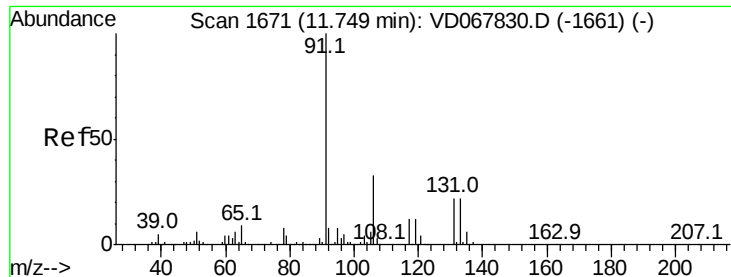
Tot Ion:112 Resp: 127188
Ion Ratio Lower Upper
112 100
114 33.4 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.184 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion:131 Resp: 50729
Ion Ratio Lower Upper
131 100
133 97.3 49.9 149.7
119 56.2 29.6 88.9





#67

Ethyl Benzene

Concen: 21.526 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

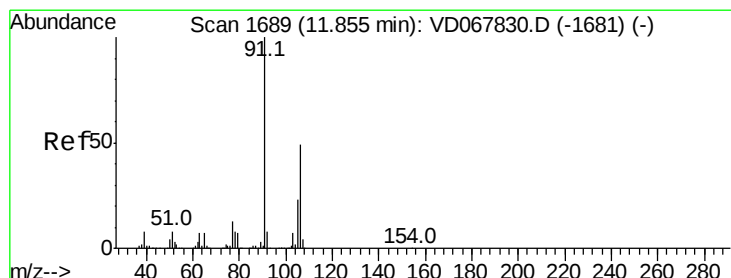
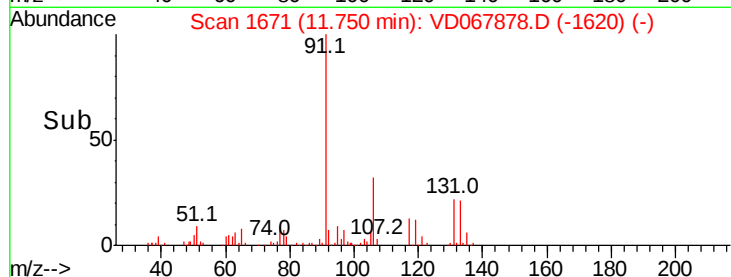
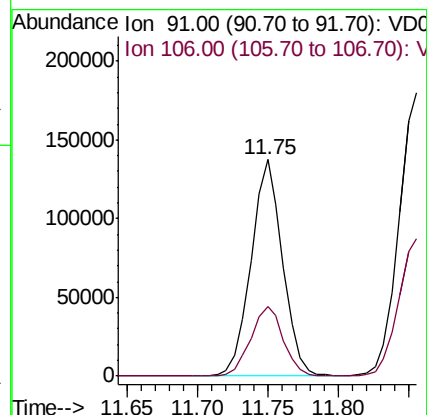
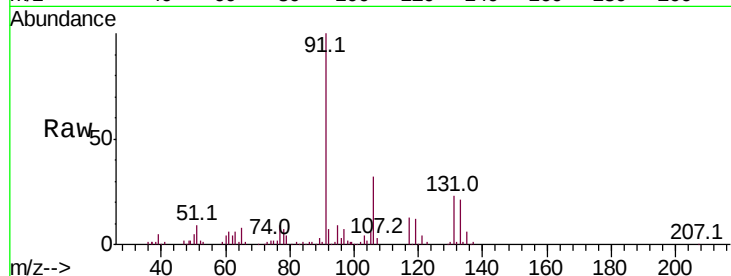
VD1204SBS01

Tot Ion: 91 Resp: 215303

Ion Ratio Lower Upper

91 100

106 32.3 26.2 39.2



#68

m/p-Xylenes

Concen: 43.401 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067878.D

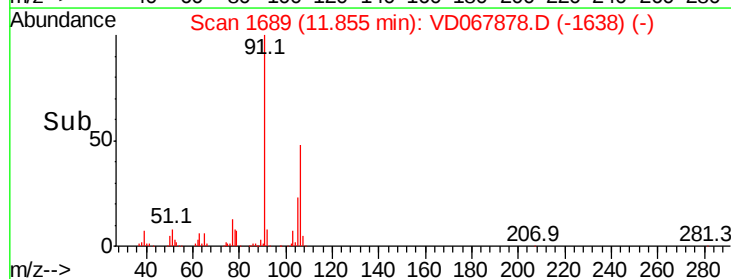
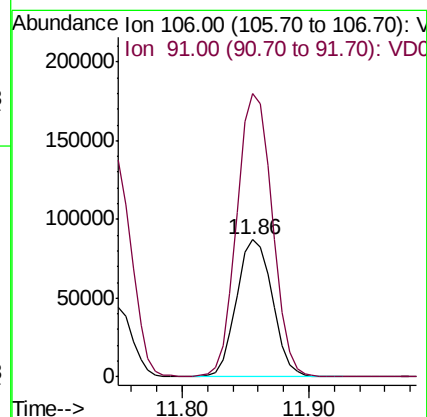
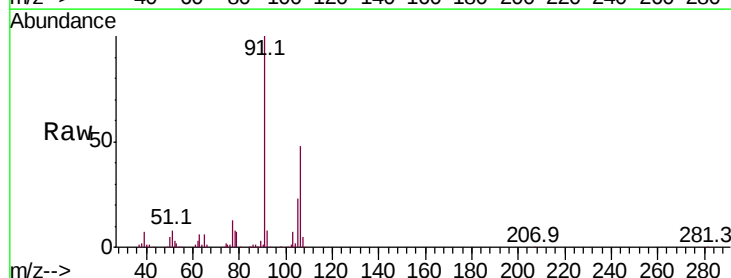
Acq: 04 Dec 2020 11:36

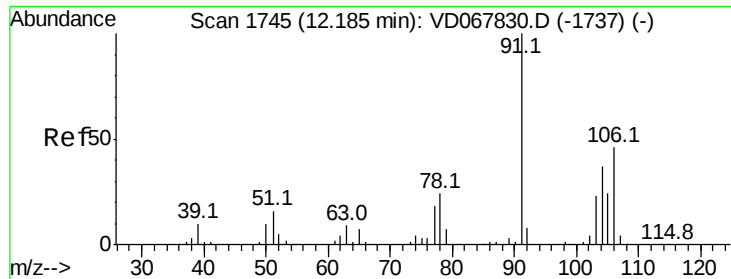
Tgt Ion: 106 Resp: 171168

Ion Ratio Lower Upper

106 100

91 204.4 162.8 244.2

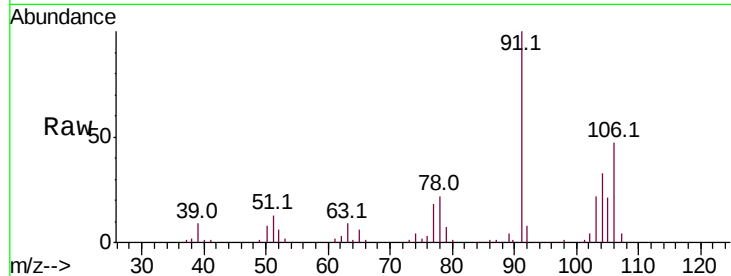




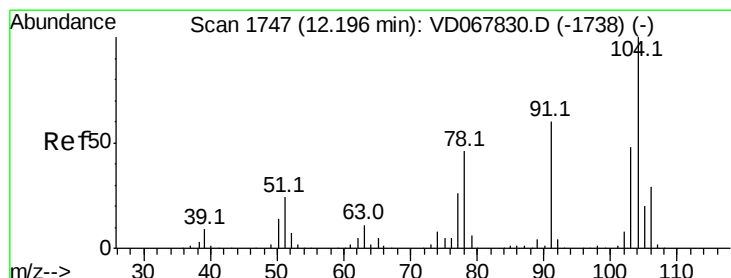
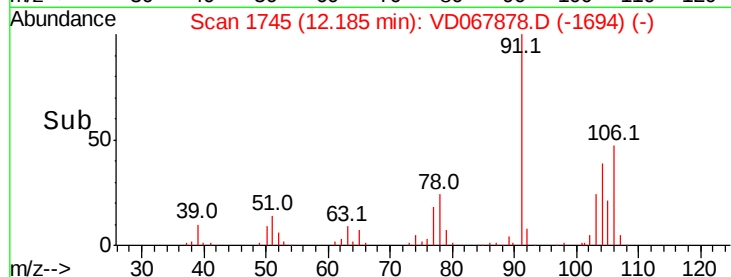
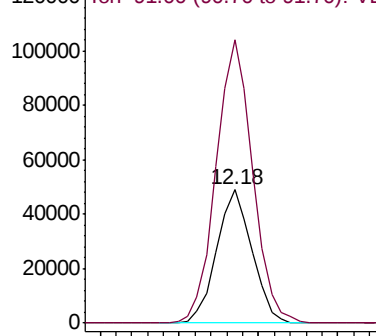
#69
o-Xylene
Concen: 21.714 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion:106 Resp: 76025
Ion Ratio Lower Upper
106 100
91 219.5 107.5 322.5

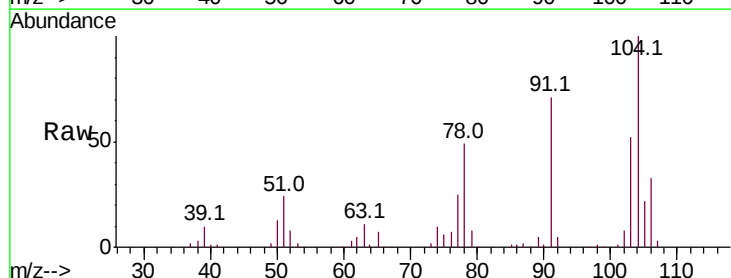


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

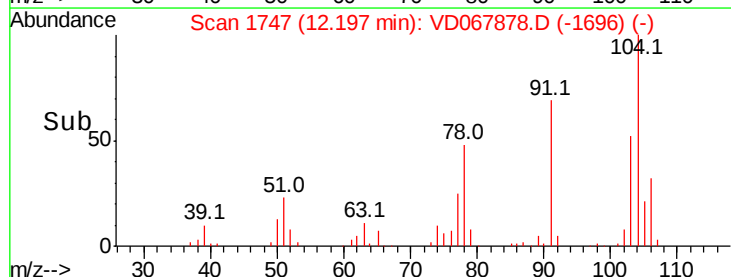
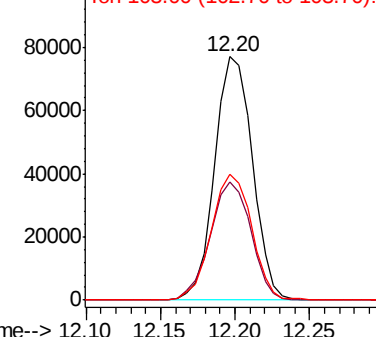


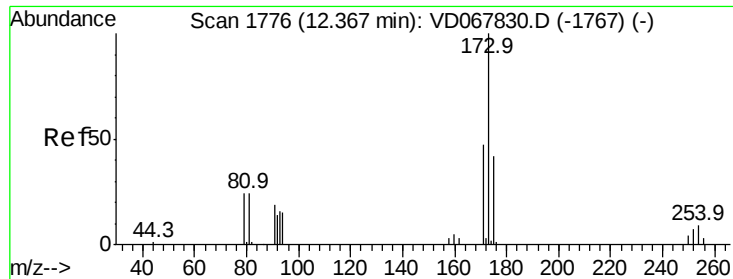
#70
Styrene
Concen: 22.228 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion:104 Resp: 135324
Ion Ratio Lower Upper
104 100
78 52.3 41.6 62.4
103 55.2 43.2 64.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.181 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

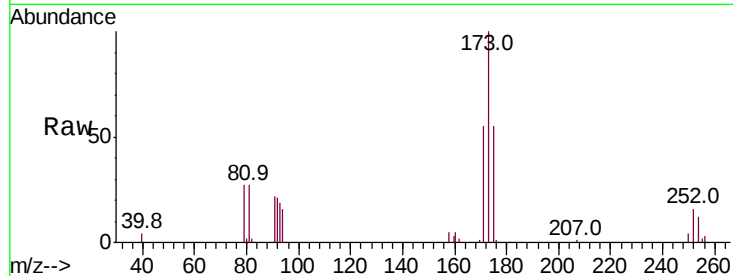
Tot Ion:173 Resp: 25582

Ion Ratio Lower Upper

173 100

175 51.1 23.4 70.3

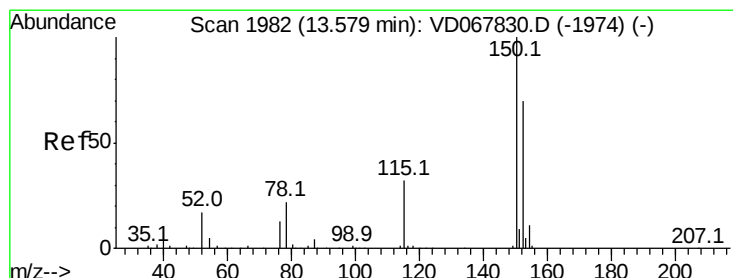
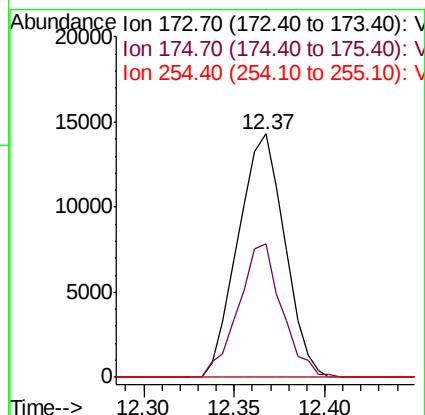
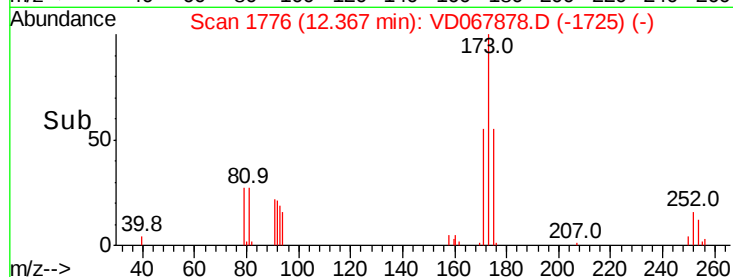
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

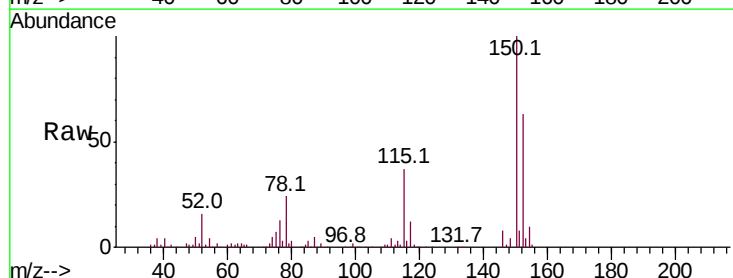
Tgt Ion:152 Resp: 151030

Ion Ratio Lower Upper

152 100

115 58.3 29.1 87.4

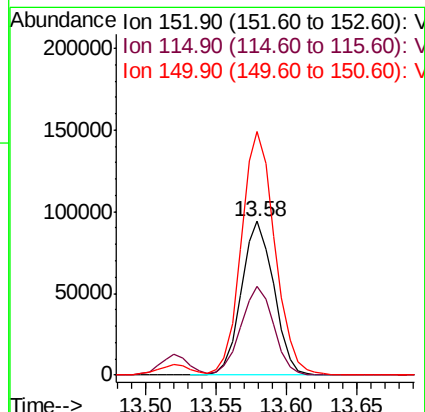
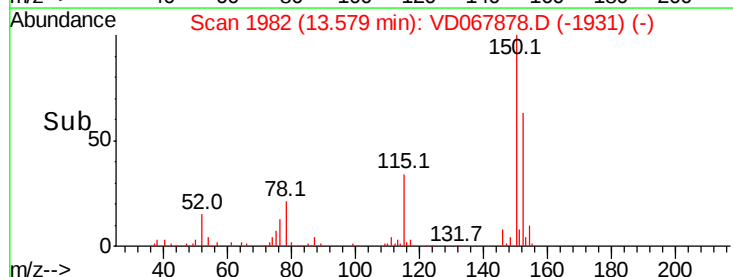
150 163.9 0.0 339.0

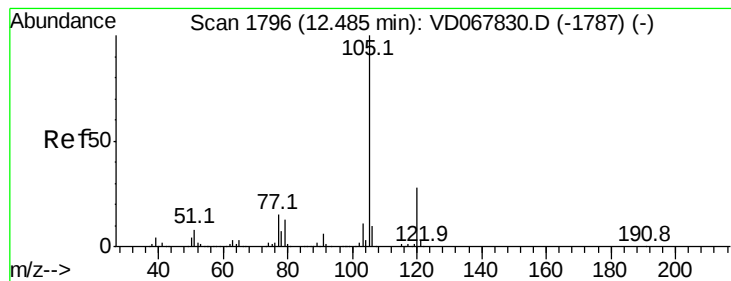


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.449 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

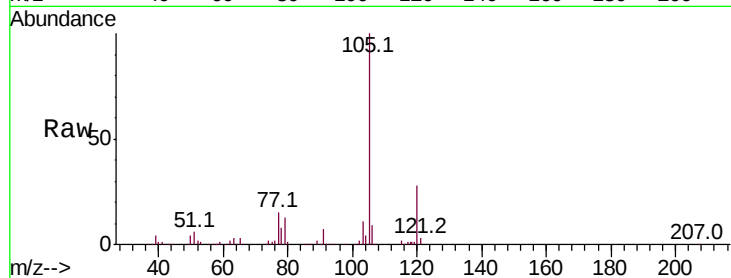
VD1204SBS01

Tot Ion:105 Resp: 222771

Ion Ratio Lower Upper

105 100

120 26.4 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

120000

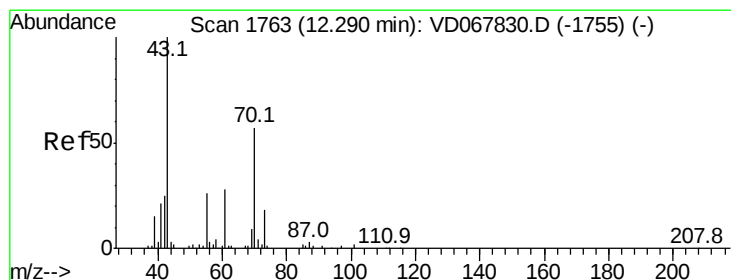
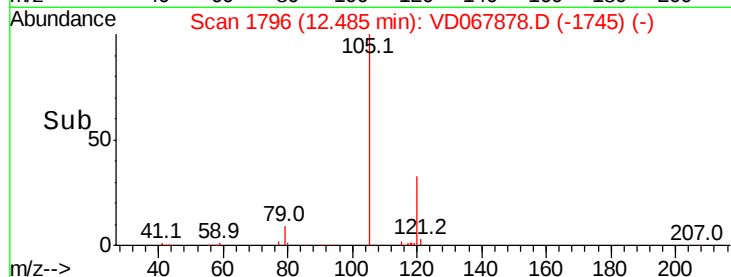
100000

50000

0

12.40 12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 18.287 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Tgt Ion: 43 Resp: 23494

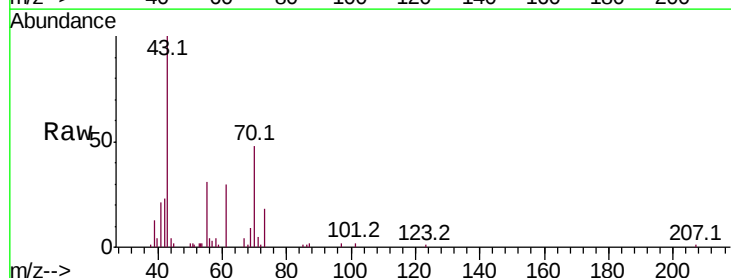
Ion Ratio Lower Upper

43 100

70 56.9 44.6 66.8

55 31.7 22.2 33.2

61 31.7 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

25000

20000

15000

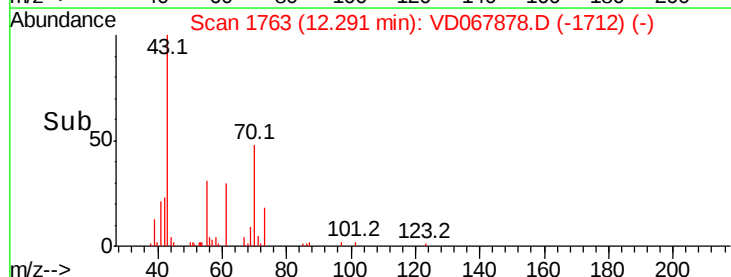
10000

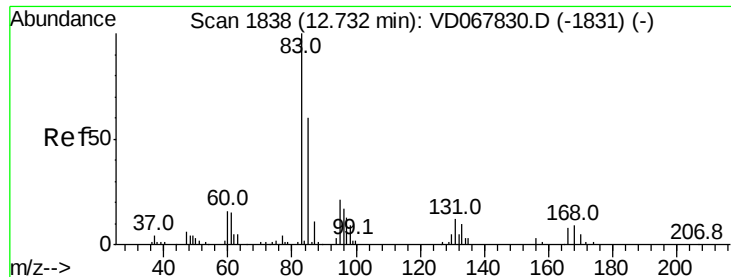
5000

0

12.25 12.30 12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.785 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

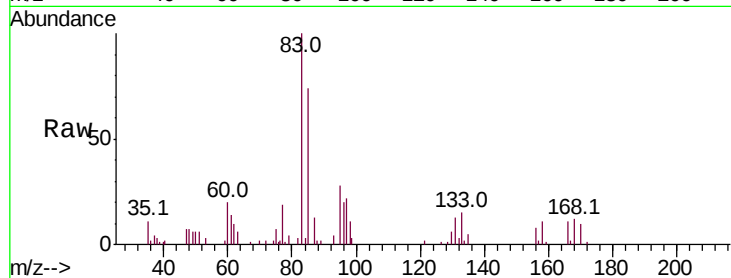
Tot Ion: 83 Resp: 25759

Ion Ratio Lower Upper

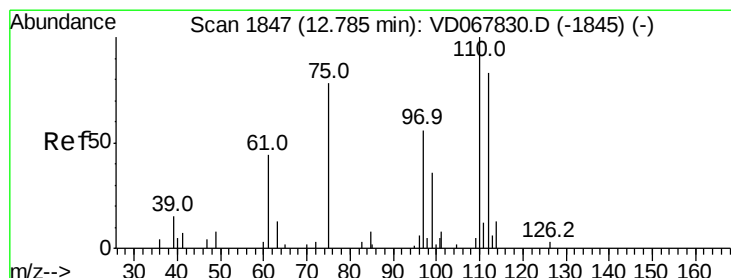
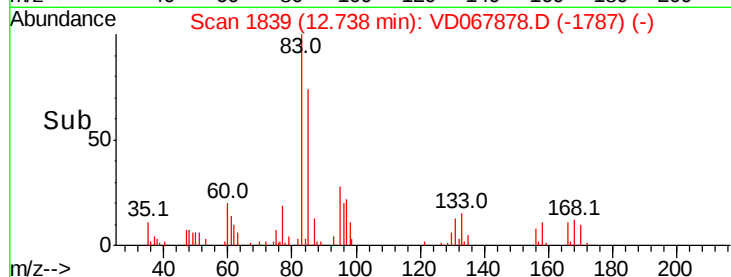
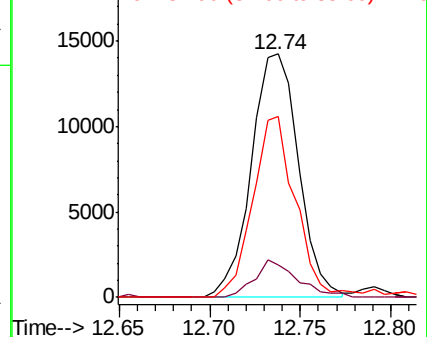
83 100

131 13.8 8.0 24.0

85 67.5 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: 36.453 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD067878.D

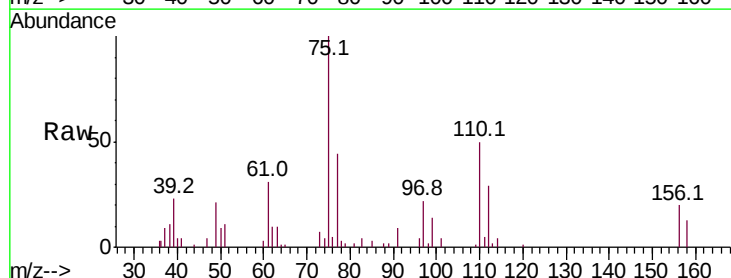
Acq: 04 Dec 2020 11:36

Tgt Ion: 75 Resp: 40093

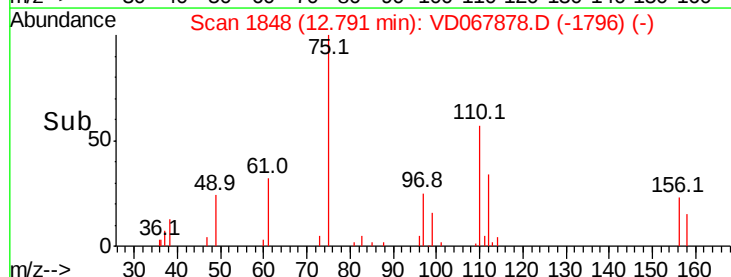
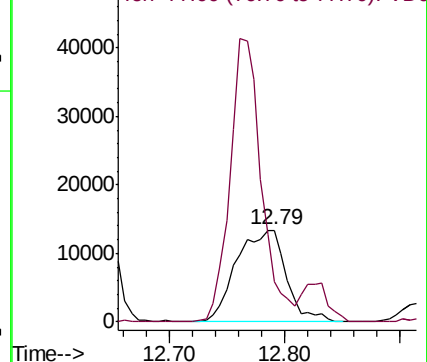
Ion Ratio Lower Upper

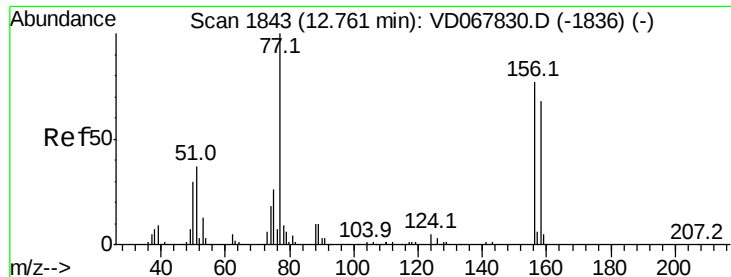
75 100

77 0.0 175.9 527.7#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.959 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

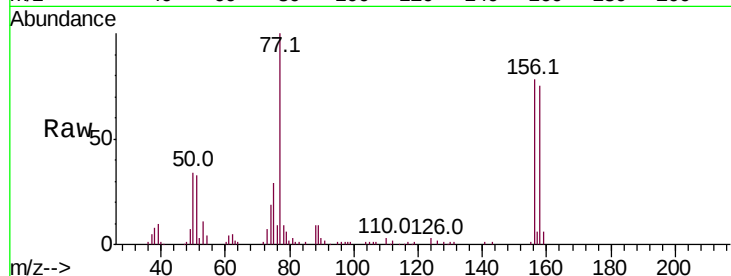
Tot Ion:156 Resp: 54118

Ion Ratio Lower Upper

156 100

77 144.5 71.5 214.5

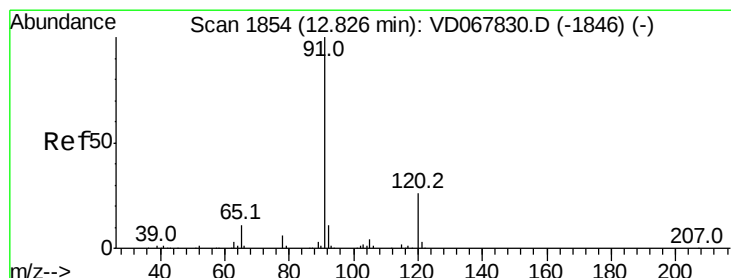
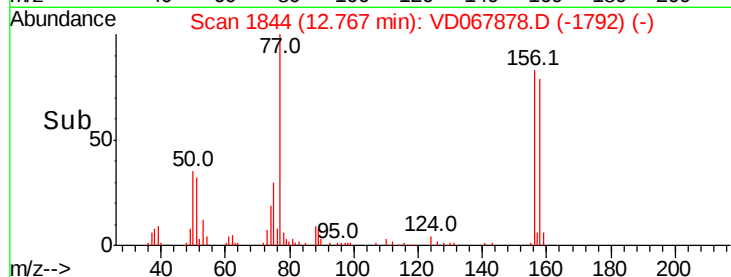
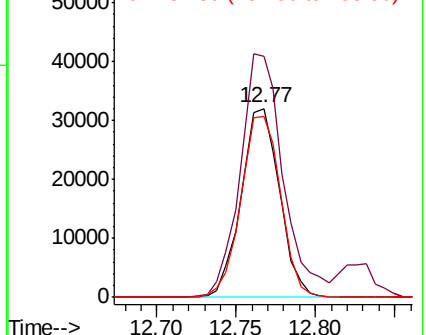
158 98.6 47.1 141.4



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: 21.369 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067878.D

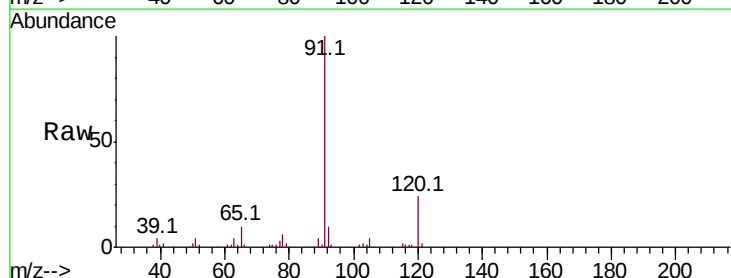
Acq: 04 Dec 2020 11:36

Tgt Ion: 91 Resp: 245988

Ion Ratio Lower Upper

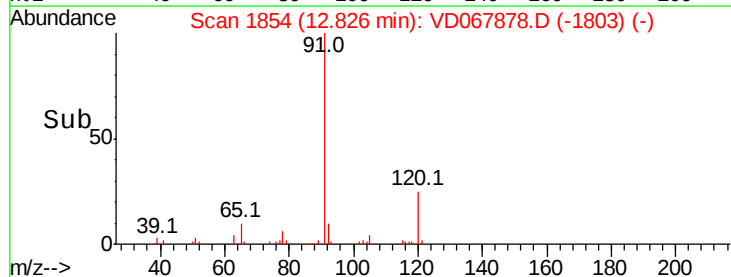
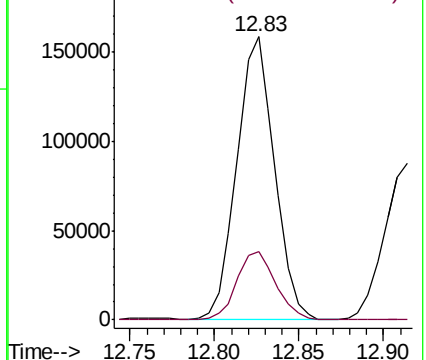
91 100

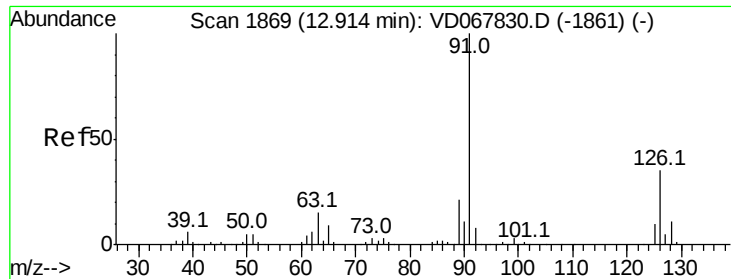
120 25.0 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

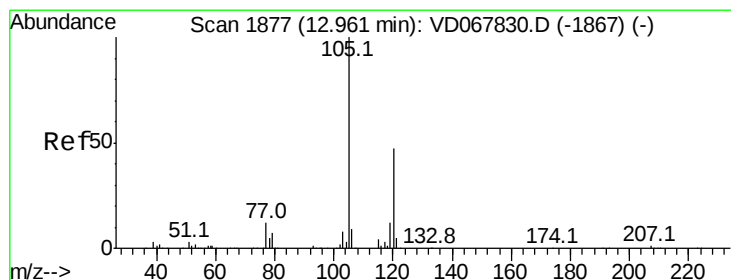
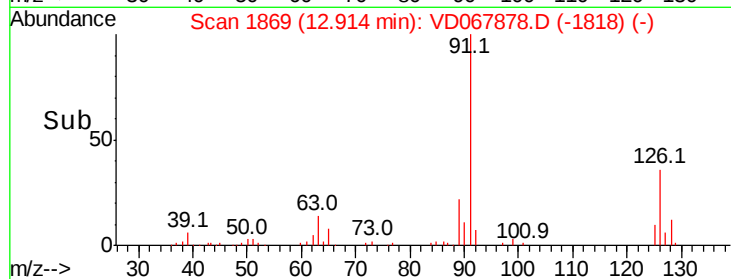
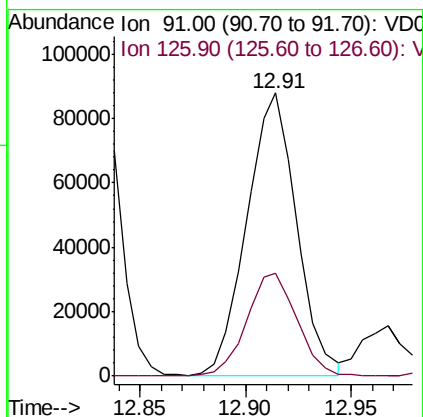
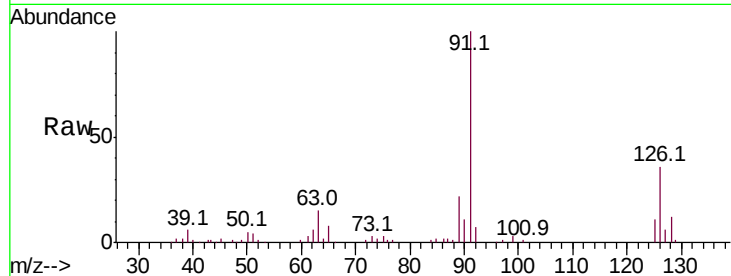




#79
2-Chlorotoluene
Concen: 21.244 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

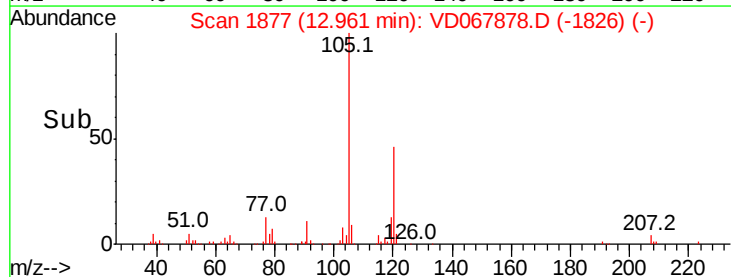
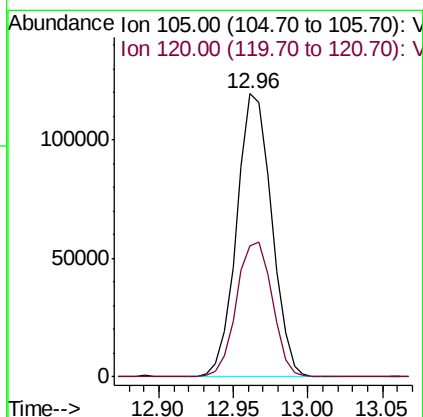
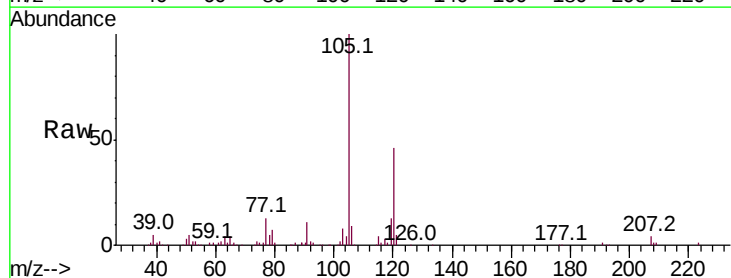
Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

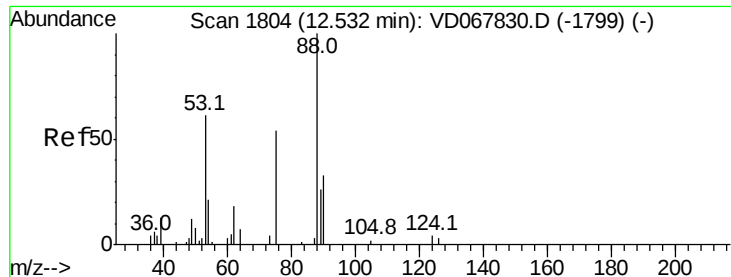
Tot Ion: 91 Resp: 143866
Ion Ratio Lower Upper
91 100
126 36.7 17.9 53.7



#80
1,3,5-Trimethylbenzene
Concen: 21.643 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion:105 Resp: 194625
Ion Ratio Lower Upper
105 100
120 49.1 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 18.591 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

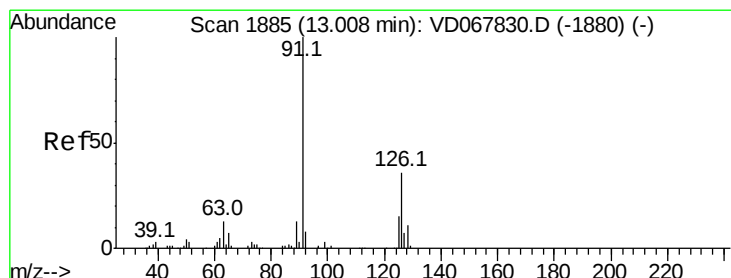
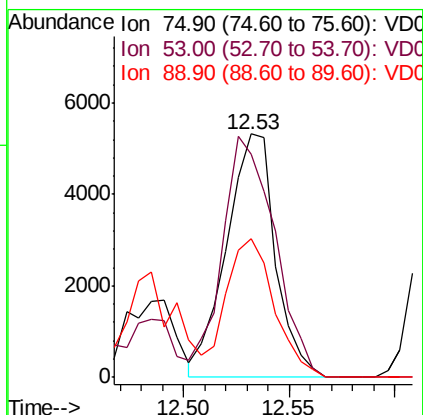
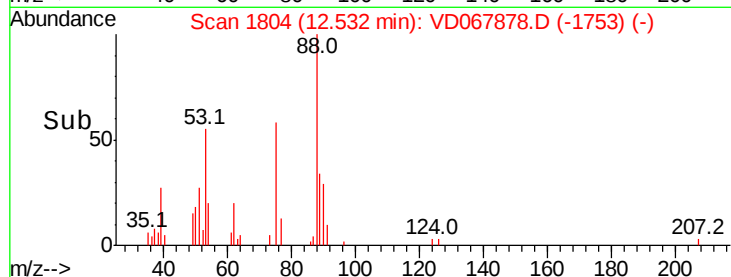
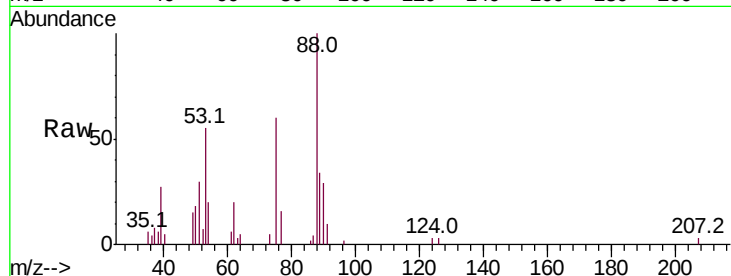
Tot Ion: 75 Resp: 8548

Ion Ratio Lower Upper

75 100

53 105.7 84.6 127.0

89 55.9 41.0 61.6



#82

4-Chlorotoluene

Concen: 21.283 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067878.D

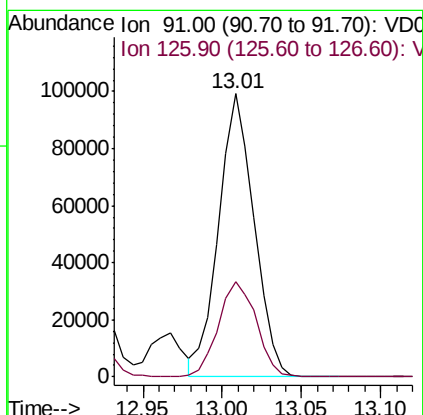
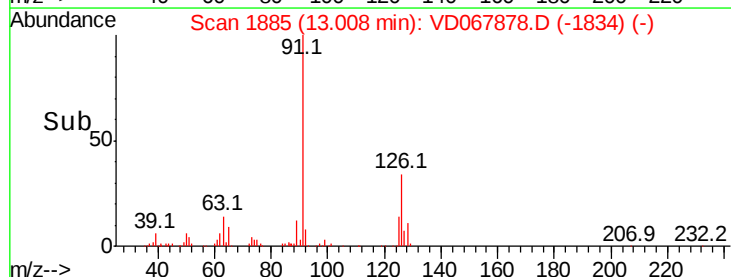
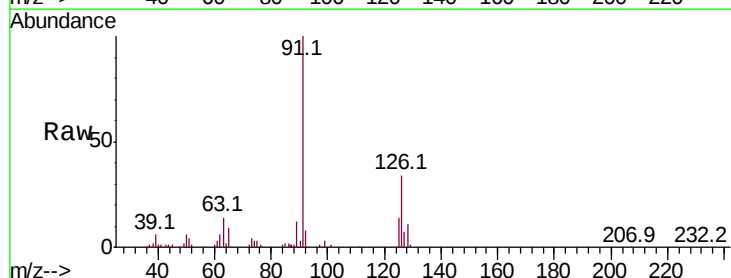
Acq: 04 Dec 2020 11:36

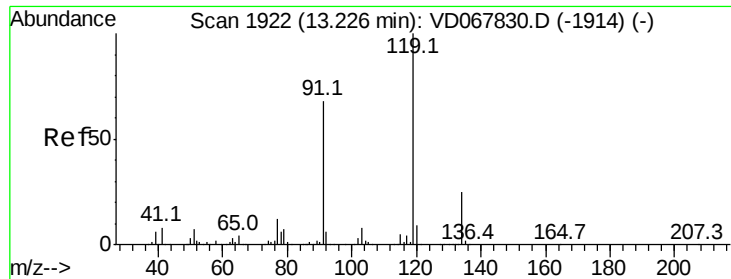
Tgt Ion: 91 Resp: 153753

Ion Ratio Lower Upper

91 100

126 36.0 18.1 54.4

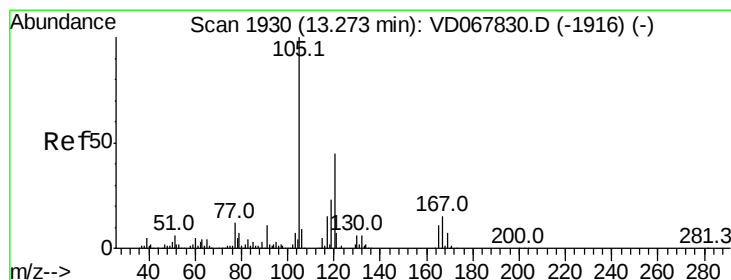
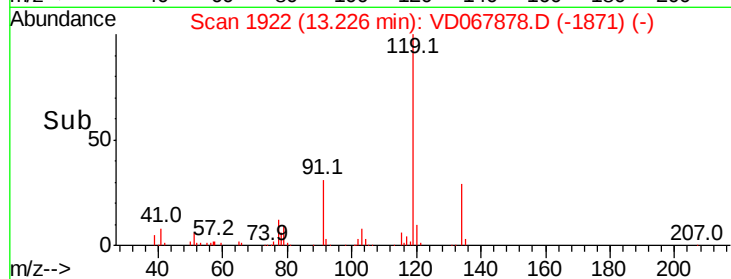
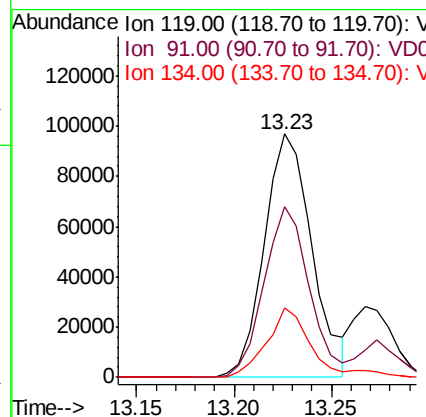
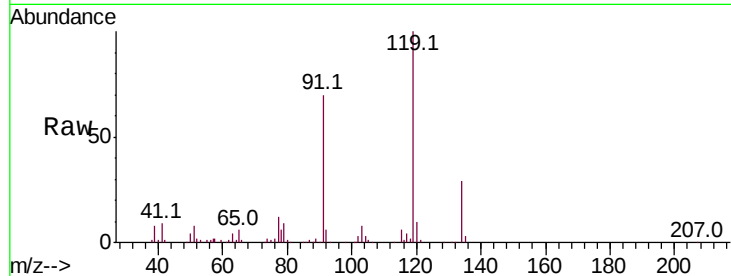




#83
tert-Butylbenzene
Concen: 21.480 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

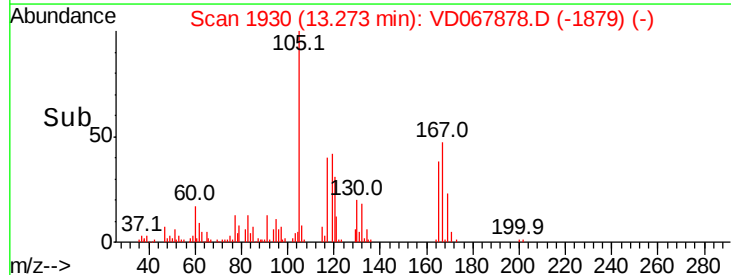
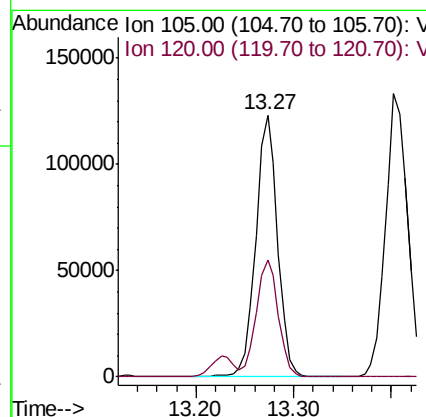
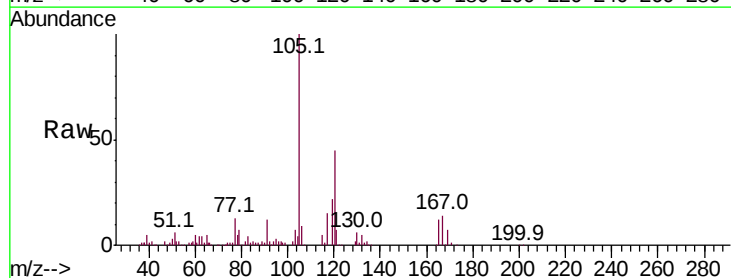
Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

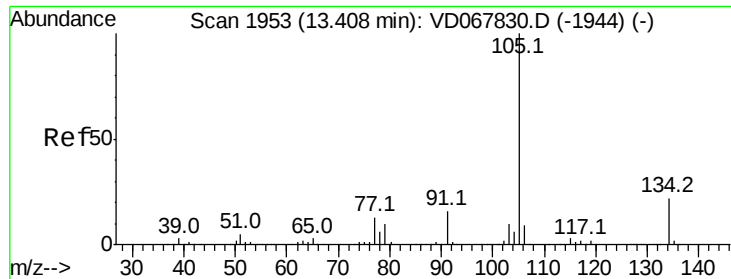
Tot Ion:119 Resp: 164371
Ion Ratio Lower Upper
119 100
91 66.1 33.1 99.3
134 27.2 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 21.664 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion:105 Resp: 193720
Ion Ratio Lower Upper
105 100
120 45.3 22.1 66.5





#85

sec-Butylbenzene

Concen: 20.344 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

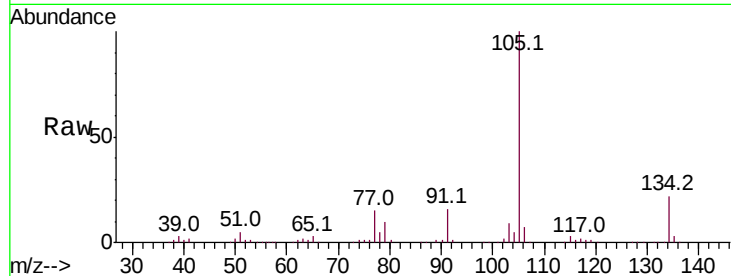
VD1204SBS01

Tot Ion:105 Resp: 207778

Ion Ratio Lower Upper

105 100

134 23.7 10.9 32.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.40

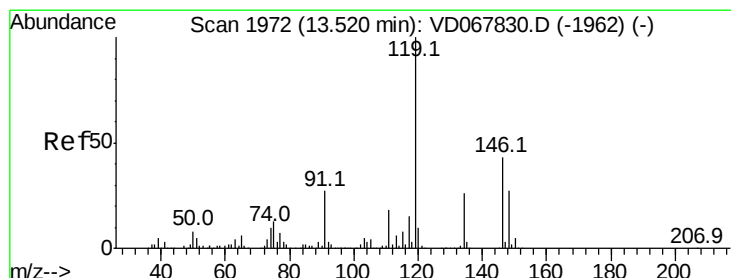
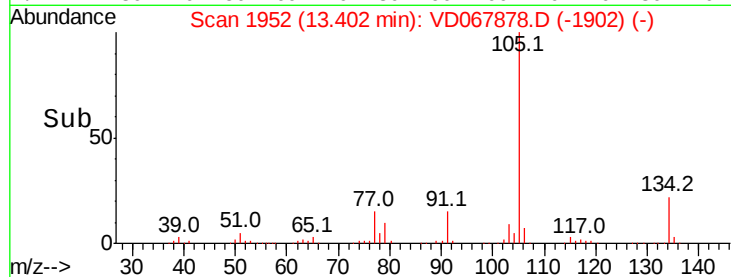
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.331 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

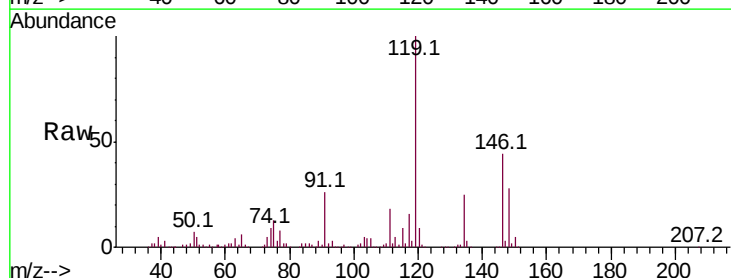
Tgt Ion:119 Resp: 213519

Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

91 25.8 12.8 38.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

200000

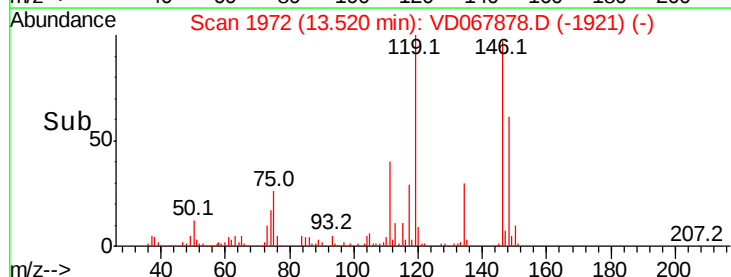
150000

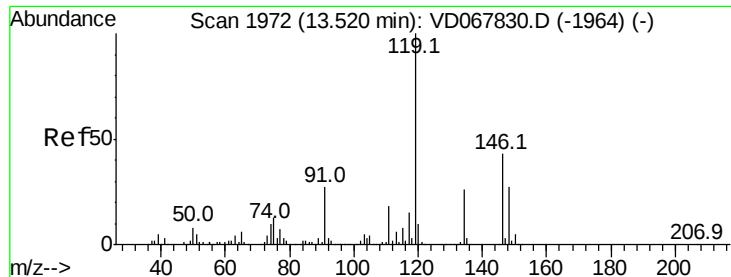
100000

50000

0

Time-->

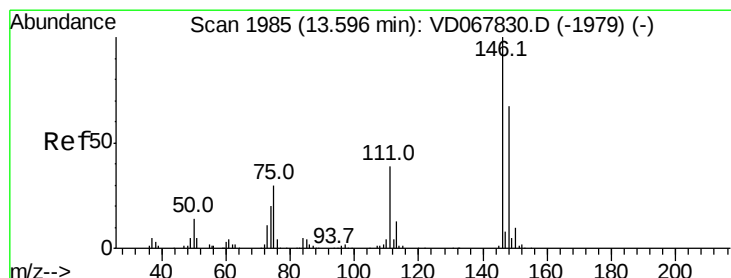
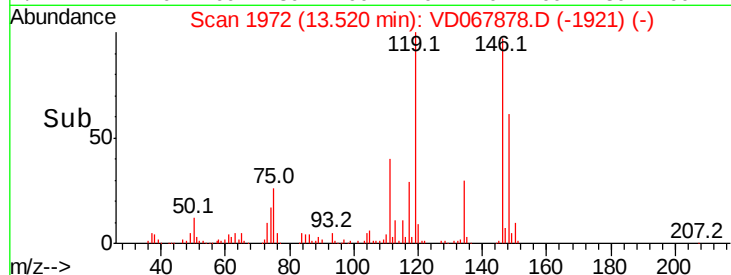
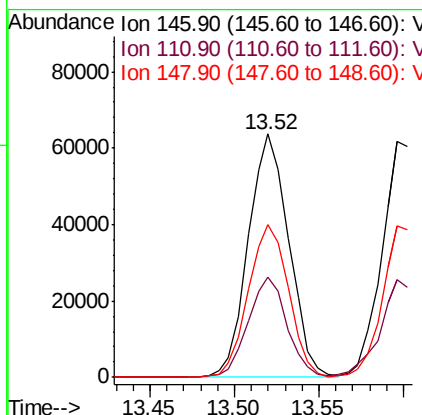
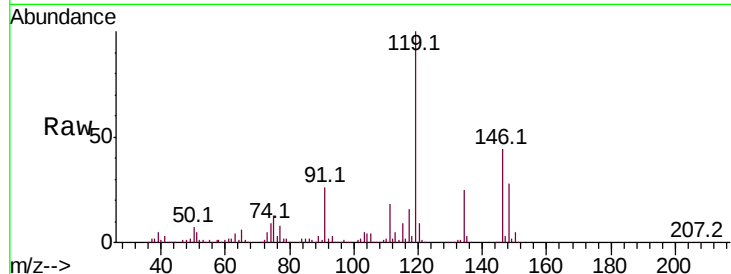




#87
 1,3-Dichlorobenzene
 Concen: 21.337 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

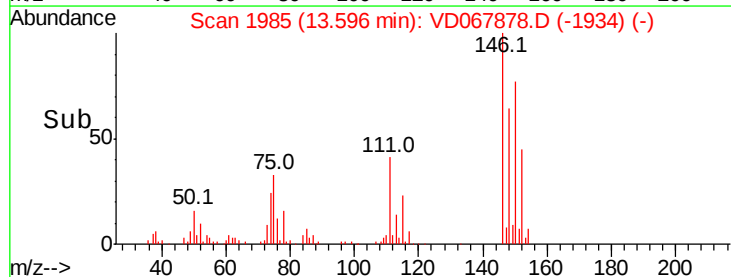
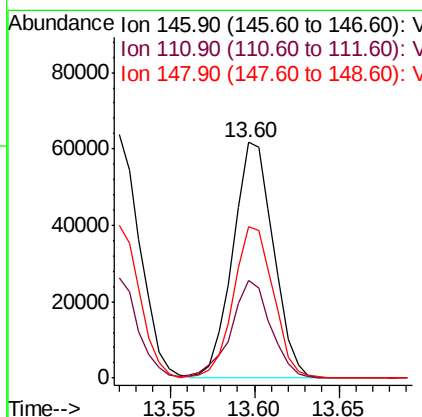
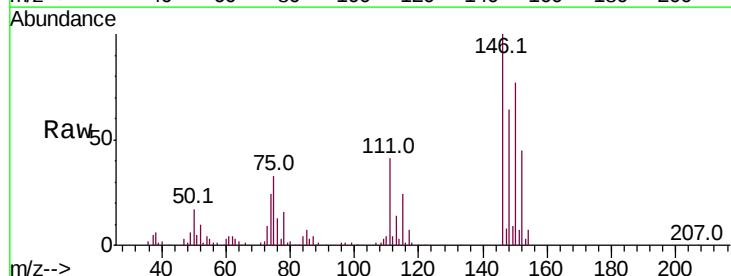
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

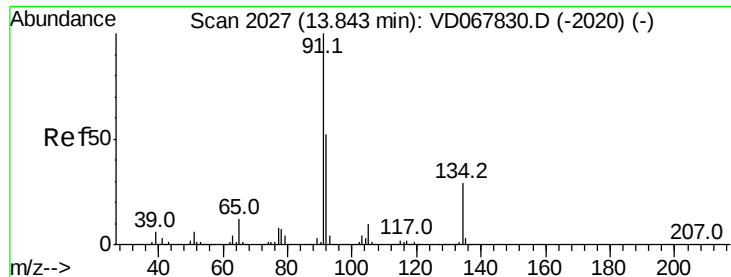
Tot Ion:146 Resp: 106279
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.8 62.2
 148 62.4 32.9 98.6



#88
 1,4-Dichlorobenzene
 Concen: 20.768 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Tgt Ion:146 Resp: 103487
 Ion Ratio Lower Upper
 146 100
 111 40.5 19.9 59.6
 148 63.2 32.4 97.2

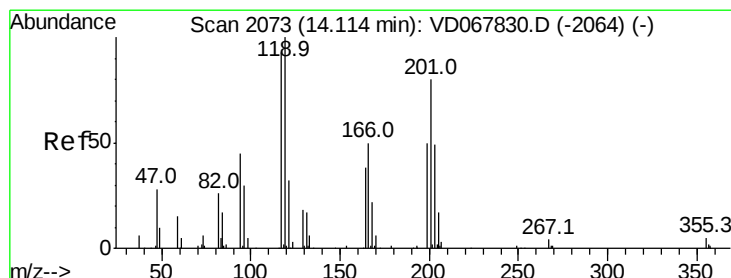
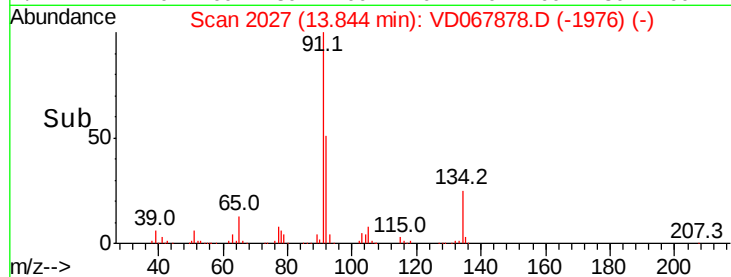
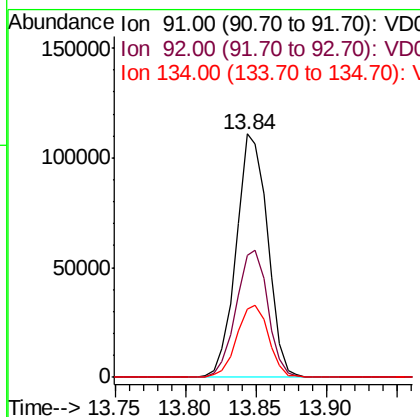
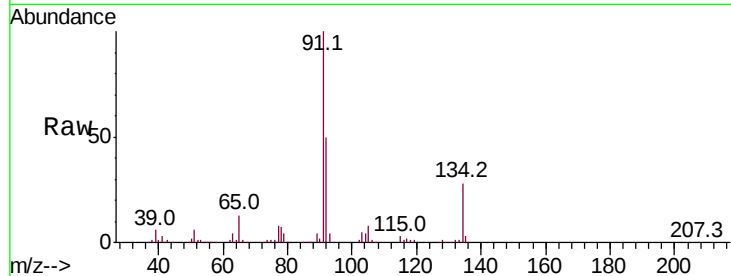




#89
n-Butylbenzene
Concen: 20.683 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

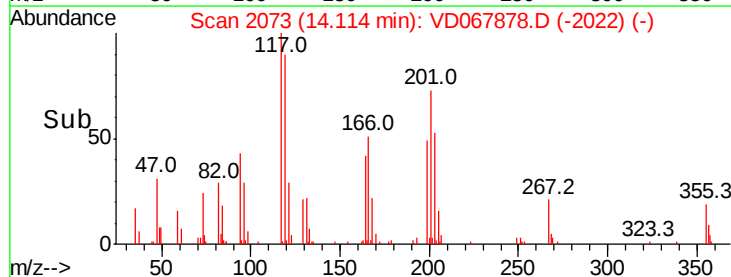
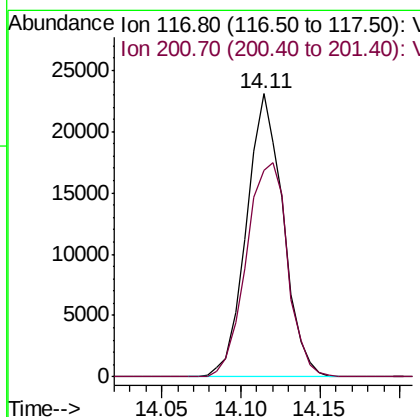
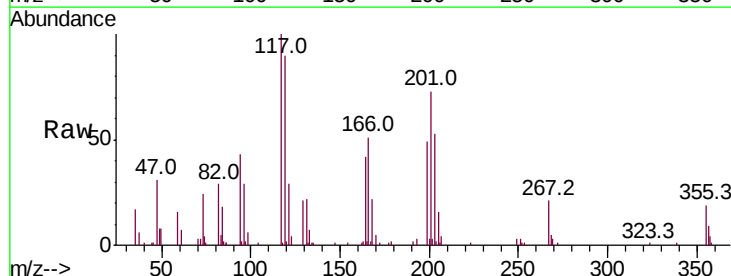
Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

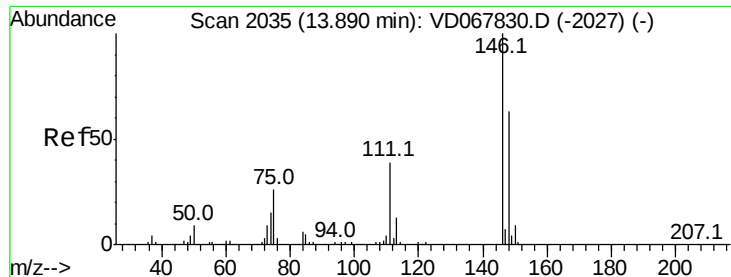
Tot Ion: 91 Resp: 172000
Ion Ratio Lower Upper
91 100
92 53.1 26.3 78.8
134 30.0 14.8 44.3



#90
Hexachloroethane
Concen: 20.110 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion: 117 Resp: 37165
Ion Ratio Lower Upper
117 100
201 85.3 43.9 131.6





#91

1,2-Dichlorobenzene

Concen: 20.358 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

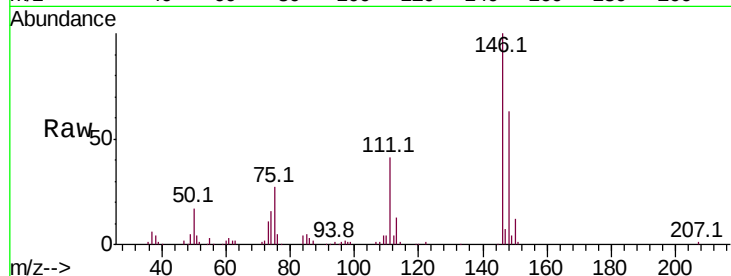
Tot Ion:146 Resp: 87945

Ion Ratio Lower Upper

146 100

111 41.4 20.4 61.2

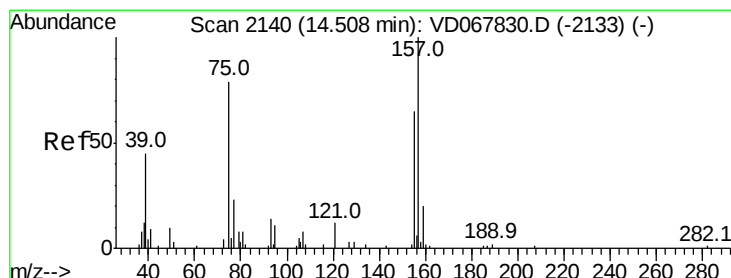
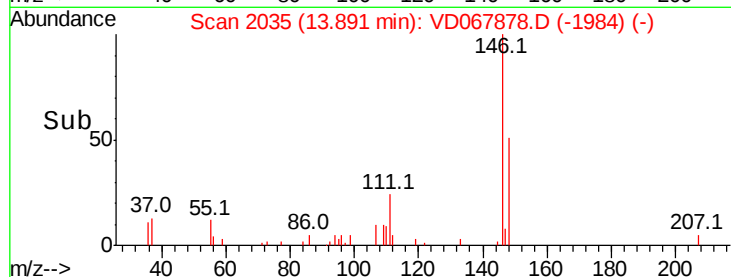
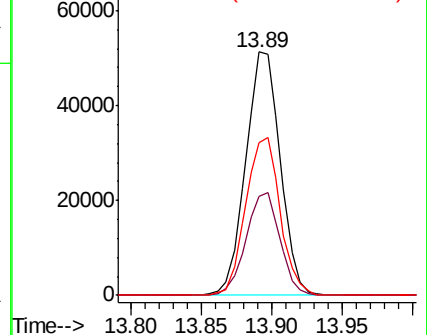
148 64.5 32.1 96.3



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: 19.097 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VD067878.D

Acq: 04 Dec 2020 11:36

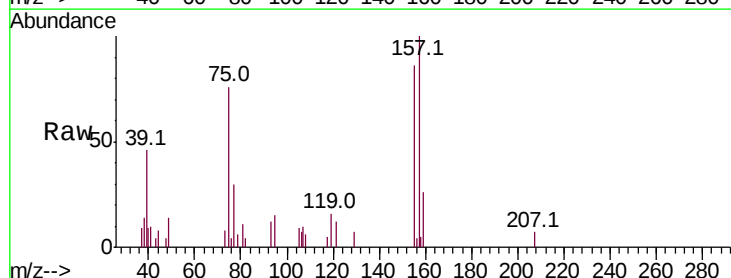
Tgt Ion: 75 Resp: 5465

Ion Ratio Lower Upper

75 100

155 94.7 44.1 132.4

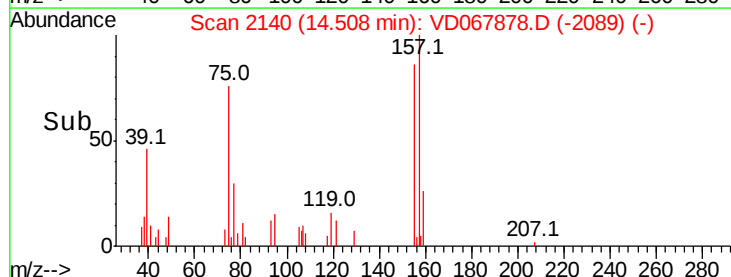
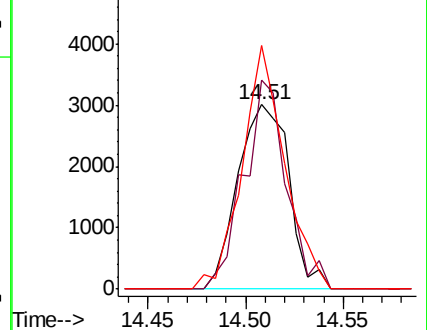
157 109.8 62.4 187.2

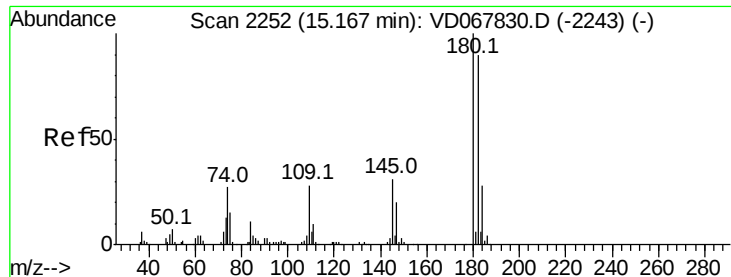


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

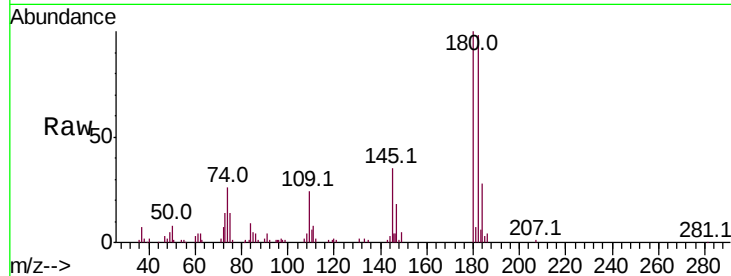




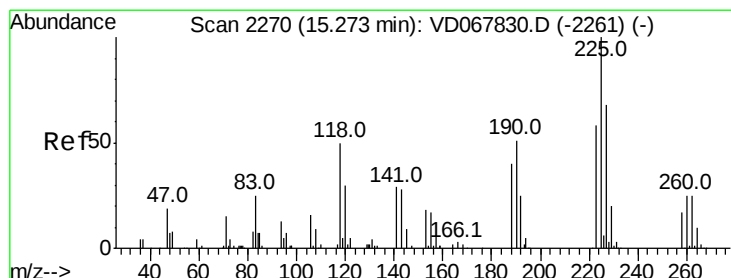
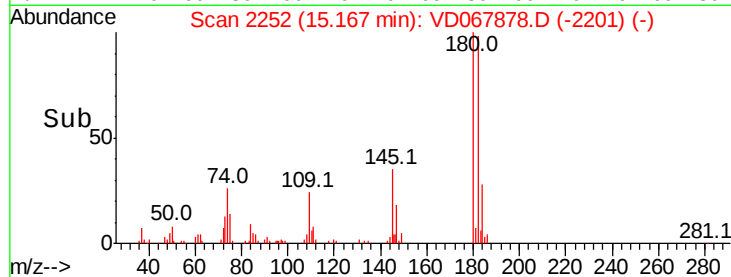
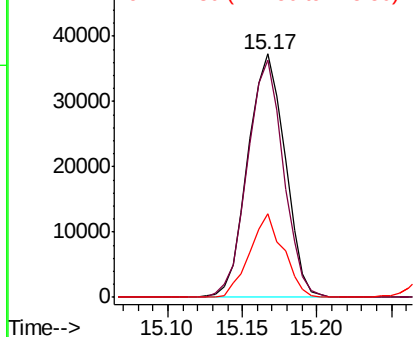
#93
 1,2,4-Trichlorobenzene
 Concen: 21.238 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Tot Ion:180 Resp: 64178
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.5 142.6
 145 31.1 16.4 49.4

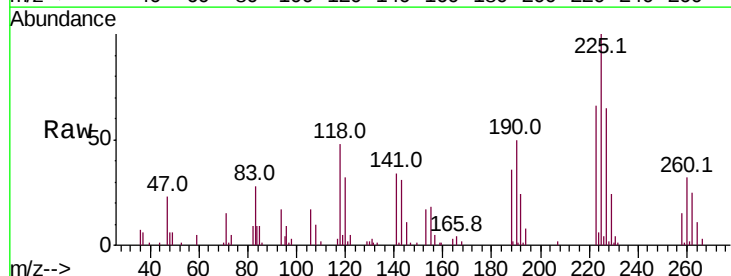


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

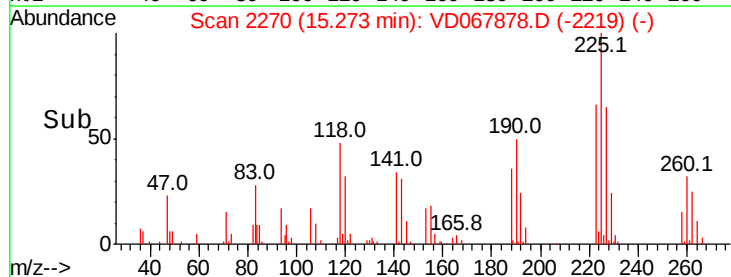
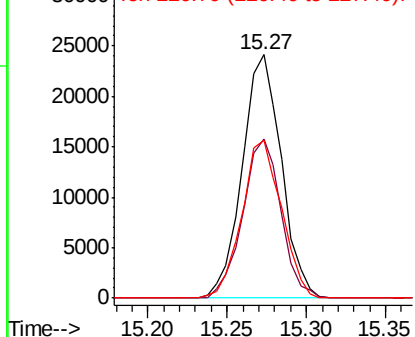


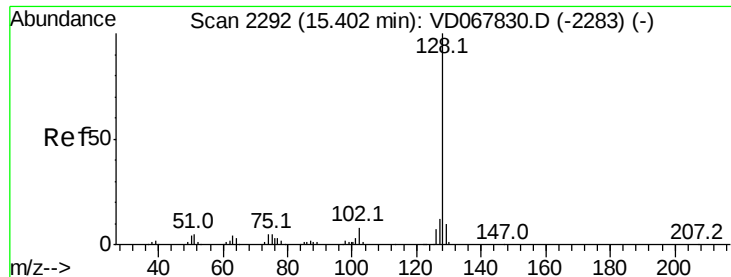
#94
 Hexachlorobutadiene
 Concen: 21.014 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067878.D
 Acq: 04 Dec 2020 11:36

Tgt Ion:225 Resp: 41436
 Ion Ratio Lower Upper
 225 100
 223 63.7 31.1 93.3
 227 65.5 33.1 99.3



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

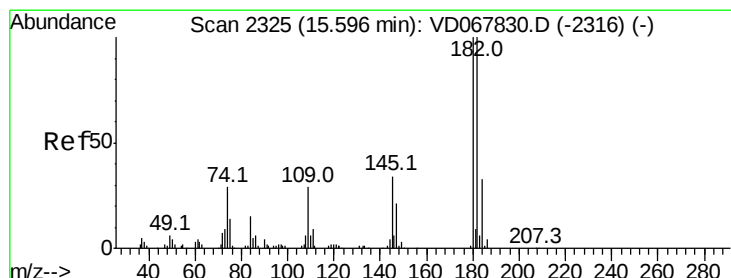
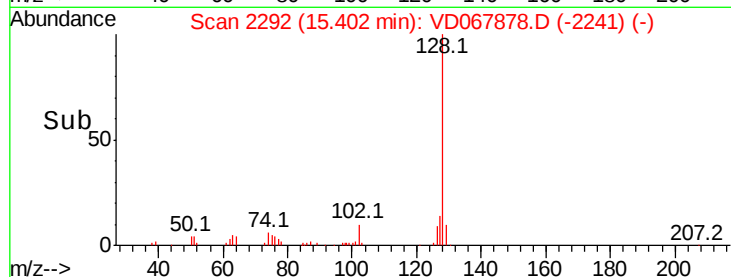
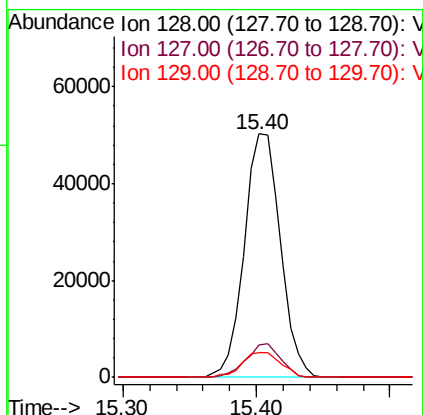
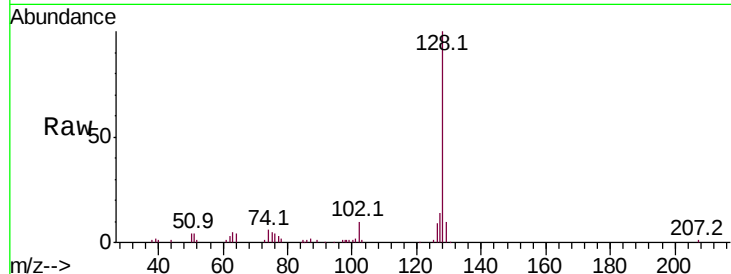




#95
Naphthalene
Concen: 19.068 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion:128 Resp: 93757
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 11.0 9.0 13.6



#96
1,2,3-Trichlorobenzene
Concen: 20.617 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VD067878.D
Acq: 04 Dec 2020 11:36

Tgt Ion:180 Resp: 53801
Ion Ratio Lower Upper
180 100
182 100.7 47.3 142.0
145 34.8 16.8 50.4

