

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120420\
 Data File : VD067879.D
 Acq On : 04 Dec 2020 12:03
 Operator : VA/SY
 Sample : VD1204SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Quant Time: Dec 04 23:49:11 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	214666	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	308100	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	282783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	147617	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		8.33	65	111657	48.45	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.90%	
35) Dibromofluoromethane		7.92	113	98911	47.98	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.96%	
50) Toluene-d8		10.34	98	362173	48.80	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.60%	
62) 4-Bromofluorobenzene		12.64	95	132121	51.49	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	36411	19.490	ug/l	99
3) Chloromethane	2.21	50	20641	19.145	ug/l	94
4) Vinyl Chloride	2.35	62	27349	20.141	ug/l	93
5) Bromomethane	2.76	94	31221	25.756	ug/l	100
6) Chloroethane	2.93	64	18340	20.745	ug/l	96
7) Trichlorofluoromethane	3.27	101	84186	20.261	ug/l	95
8) Diethyl Ether	3.71	74	15745	19.442	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	39147	20.661	ug/l	97
10) Methyl Iodide	4.30	142	33561	16.711	ug/l	100
11) Tert butyl alcohol	5.20	59	12980	67.701	ug/l #	80
12) 1,1-Dichloroethene	4.07	96	35402	19.902	ug/l	98
13) Acrolein	3.93	56	7746	87.466	ug/l #	46
14) Allyl chloride	4.71	41	34737	21.109	ug/l	98
15) Acrylonitrile	5.42	53	27336	97.347	ug/l	98
16) Acetone	4.16	43	24344	85.487	ug/l #	85
17) Carbon Disulfide	4.41	76	98068	19.746	ug/l	97
18) Methyl Acetate	4.71	43	10084	18.409	ug/l	92
19) Methyl tert-butyl Ether	5.48	73	77256	20.283	ug/l	99
20) Methylene Chloride	4.97	84	43909	21.459	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	40026	19.774	ug/l	96
22) Diisopropyl ether	6.37	45	69370	20.959	ug/l #	92
23) Vinyl Acetate	6.30	43	191695	104.111	ug/l	100
24) 1,1-Dichloroethane	6.27	63	60021	20.688	ug/l	98
25) 2-Butanone	7.21	43	28957	96.678	ug/l	88
26) 2,2-Dichloropropane	7.20	77	72248	20.883	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	44881	20.272	ug/l	97
28) Bromochloromethane	7.54	49	17271	18.749	ug/l	99
29) Tetrahydrofuran	7.56	42	16634	97.535	ug/l	94
30) Chloroform	7.71	83	79876	20.601	ug/l	95
31) Cyclohexane	7.99	56	48026	19.780	ug/l	88
32) 1,1,1-Trichloroethane	7.90	97	85225	20.823	ug/l	99
36) 1,1-Dichloropropene	8.12	75	55235	20.709	ug/l	98
37) Ethyl Acetate	7.30	43	14031	19.519	ug/l	97
38) Carbon Tetrachloride	8.10	117	82415	20.422	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	63017	19.937	ug/l	96
40) Benzene	8.36	78	148706	20.376	ug/l	100
41) Methacrylonitrile	7.53	41	7147	18.078	ug/l #	73
42) 1,2-Dichloroethane	8.43	62	53828	20.694	ug/l	99
43) Isopropyl Acetate	8.46	43	27702	19.585	ug/l	97
44) Trichloroethene	9.11	130	52910	21.086	ug/l	93
45) 1,2-Dichloropropane	9.39	63	29100	19.427	ug/l #	85
46) Dibromomethane	9.47	93	19812	19.023	ug/l	94
47) Bromodichloromethane	9.67	83	61421	20.687	ug/l	100
48) Methyl methacrylate	9.46	41	13371	18.617	ug/l	93
49) 1,4-Dioxane	9.47	88	3996	335.789	ug/l #	94
51) 4-Methyl-2-Pentanone	10.23	43	63339	94.616	ug/l	96
52) Toluene	10.41	92	102839	20.154	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	52538	20.501	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	58313	20.920	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	26138	18.339	ug/l	95
56) Ethyl methacrylate	10.67	69	28118	19.390	ug/l	98
57) 1,3-Dichloropropane	10.95	76	44490	19.706	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	58056	87.983	ug/l	96
59) 2-Hexanone	10.99	43	45681	96.800	ug/l	97
60) Dibromochloromethane	11.14	129	45656	21.251	ug/l	99
61) 1,2-Dibromoethane	11.25	107	27624	19.709	ug/l	98
64) Tetrachloroethene	10.88	164	48015	20.816	ug/l	94
65) Chlorobenzene	11.67	112	119032	20.400	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	49352	20.737	ug/l	97
67) Ethyl Benzene	11.75	91	207745	20.900	ug/l	98
68) m/p-Xylenes	11.86	106	163743	41.778	ug/l	99
69) o-Xylene	12.18	106	73790	21.207	ug/l	98
70) Styrene	12.20	104	127395	21.056	ug/l	98
71) Bromoform	12.36	173	25351	20.124	ug/l #	93
73) Isopropylbenzene	12.48	105	211567	20.841	ug/l	99
74) N-amyl acetate	12.29	43	24377	19.413	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	25001	18.654	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	38384	35.706	ug/l #	1
77) Bromobenzene	12.77	156	52758	20.904	ug/l	99
78) n-propylbenzene	12.82	91	234304	20.824	ug/l	100
79) 2-Chlorotoluene	12.91	91	137844	20.825	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	189754	21.589	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	8403	18.699	ug/l	96
82) 4-Chlorotoluene	13.01	91	148259	20.997	ug/l	99
83) tert-Butylbenzene	13.23	119	164841	22.039	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	189787	21.715	ug/l	100
85) sec-Butylbenzene	13.40	105	208857	20.922	ug/l	99
86) p-Isopropyltoluene	13.52	119	202682	20.716	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	101245	20.797	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	101894	20.921	ug/l	99
89) n-Butylbenzene	13.85	91	169568	20.862	ug/l	99
90) Hexachloroethane	14.11	117	36788	20.367	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	87302	20.676	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5707	20.403	ug/l	87

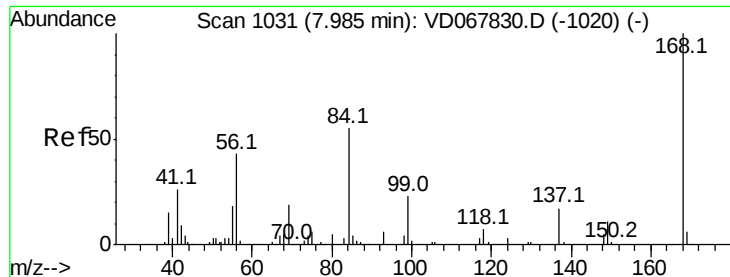
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120420\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	62503	21.162	ug/l	99
94) Hexachlorobutadiene	15.27	225	40602	21.067	ug/l	98
95) Naphthalene	15.40	128	97354	20.257	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	51639	20.246	ug/l	96

(#) = 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: VD067879.D

Acq: 04 Dec 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

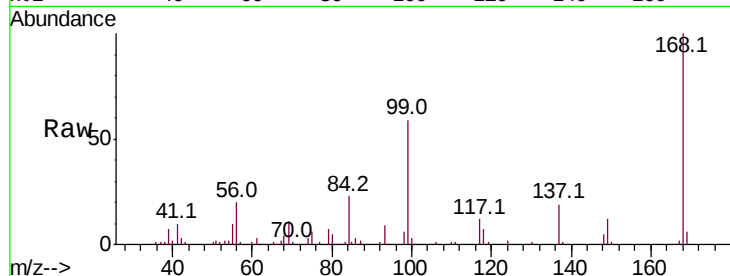
VD1204SBSD01

Tot Ion:168 Resp: 214666

Ion Ratio Lower Upper

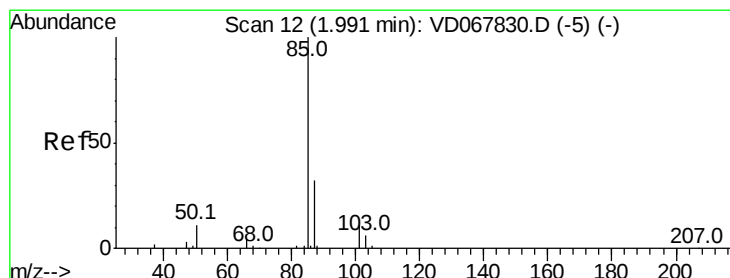
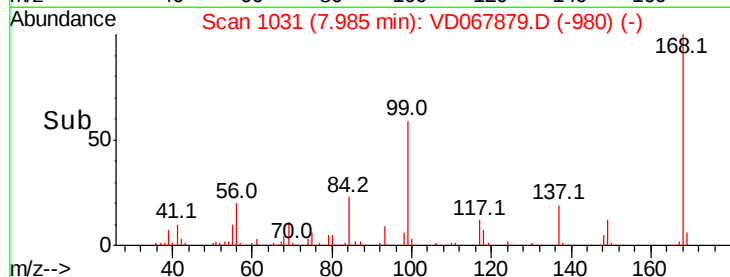
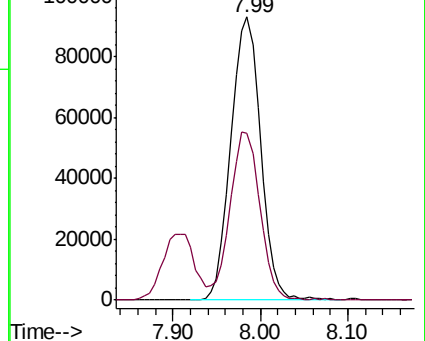
168 100

99 59.0 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 19.490 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067879.D

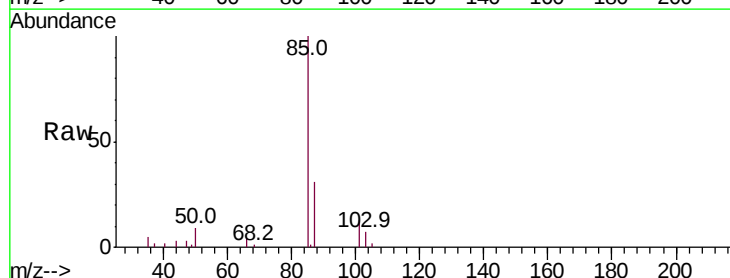
Acq: 04 Dec 2020 12:03

Tgt Ion: 85 Resp: 36411

Ion Ratio Lower Upper

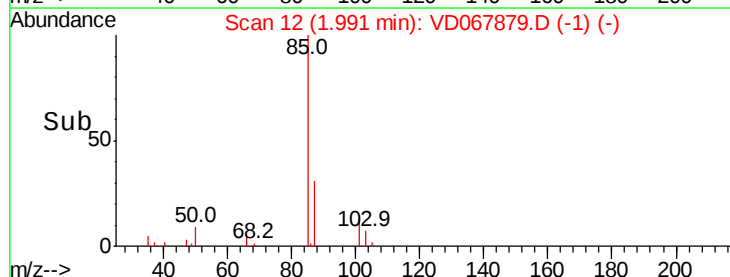
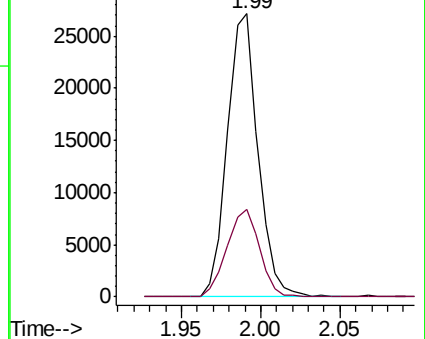
85 100

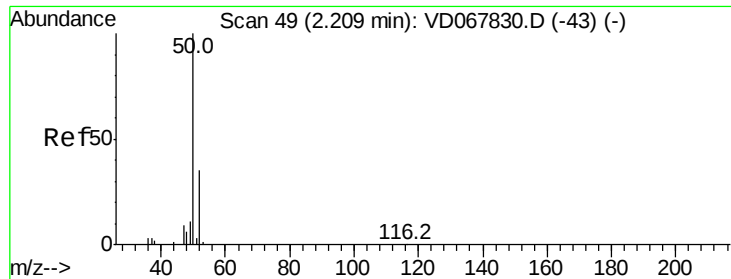
87 30.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.145 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

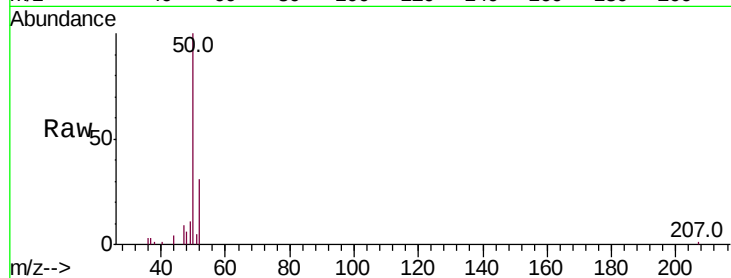
VD1204SBS01

Tot Ion: 50 Resp: 20641

Ion Ratio Lower Upper

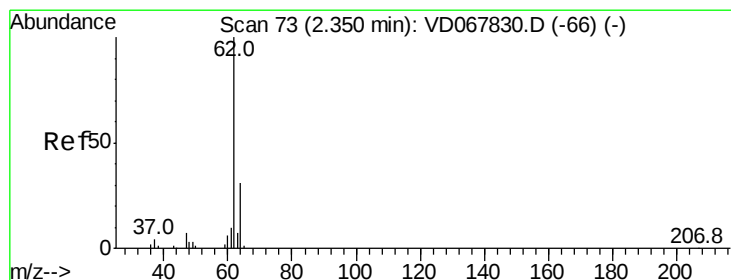
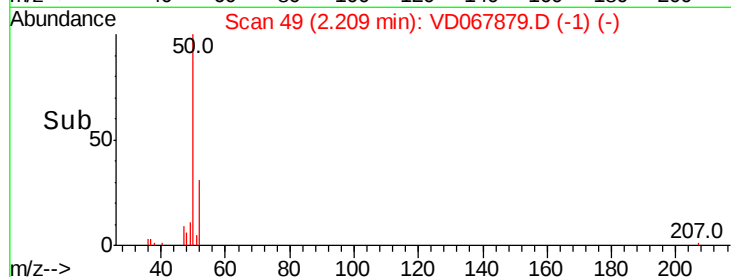
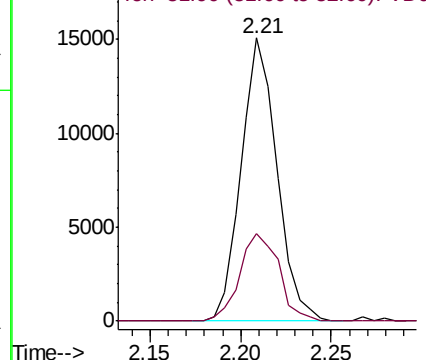
50 100

52 31.0 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: 20.141 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067879.D

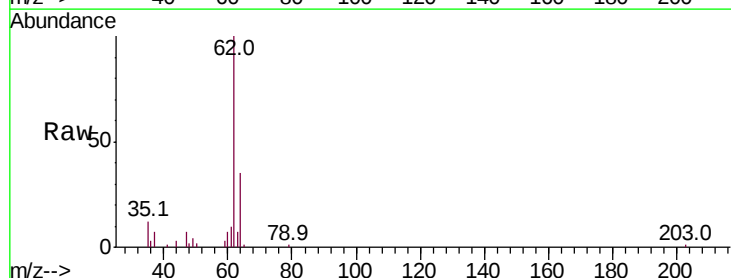
Acq: 04 Dec 2020 12:03

Tgt Ion: 62 Resp: 27349

Ion Ratio Lower Upper

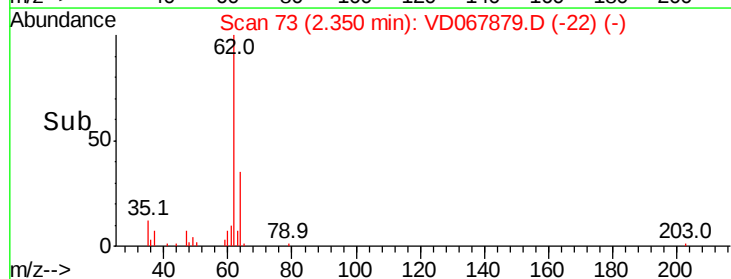
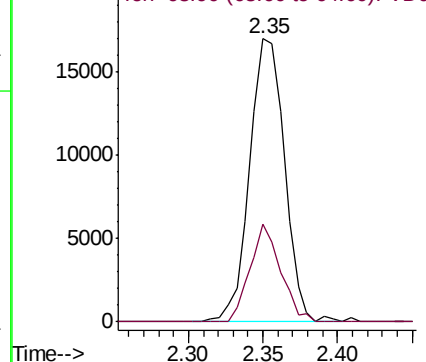
62 100

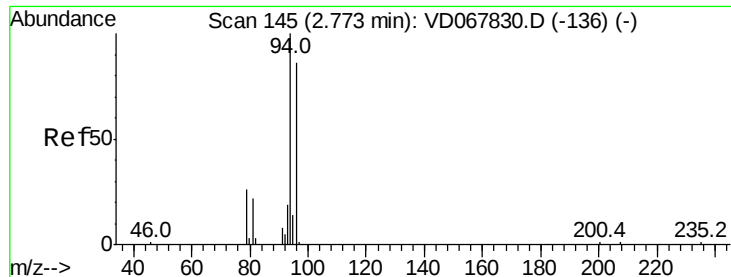
64 34.5 24.5 36.7



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 25.756 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

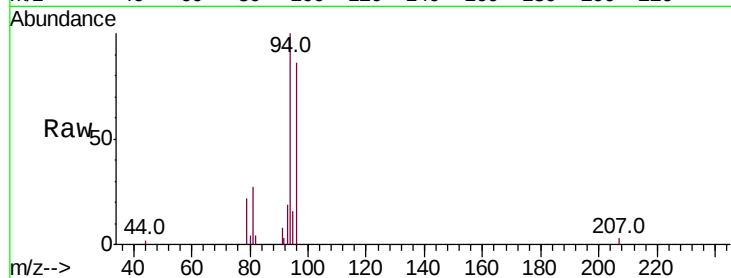
VD1204SBSD01

Tot Ion: 94 Resp: 31221

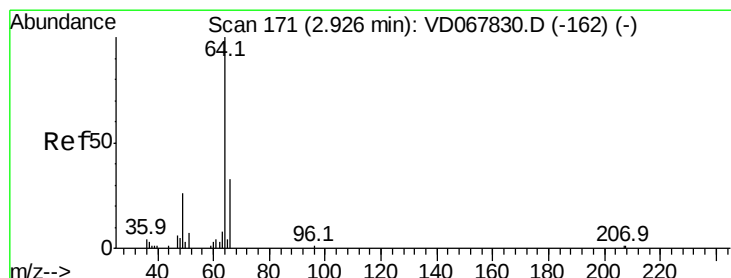
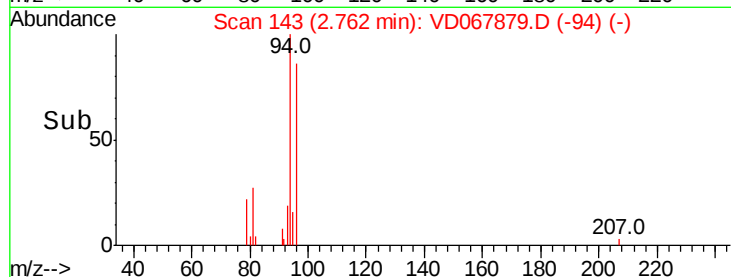
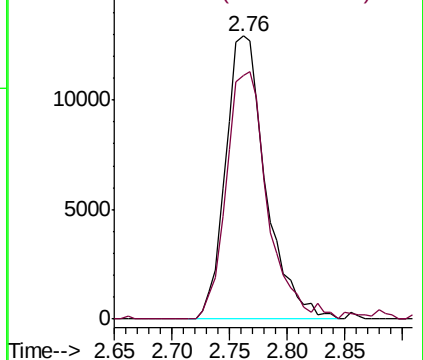
Ion Ratio Lower Upper

94 100

96 86.2 68.7 103.1



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.745 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD067879.D

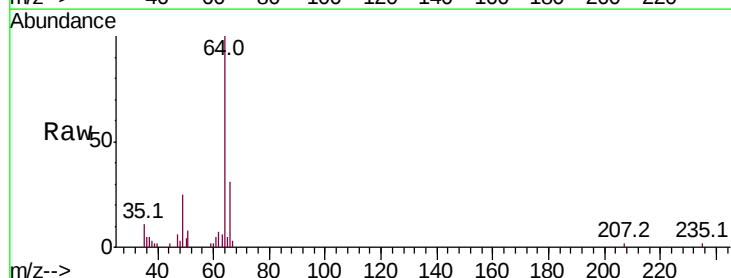
Acq: 04 Dec 2020 12:03

Tgt Ion: 64 Resp: 18340

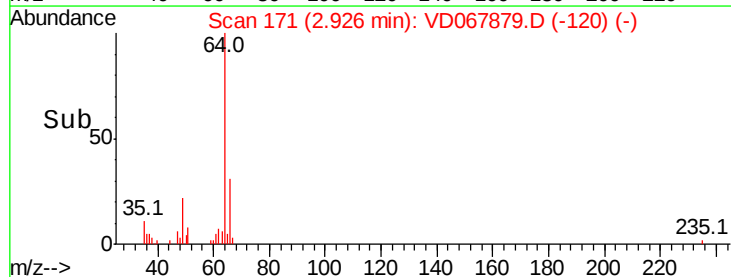
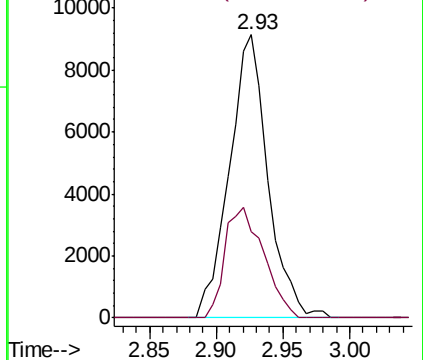
Ion Ratio Lower Upper

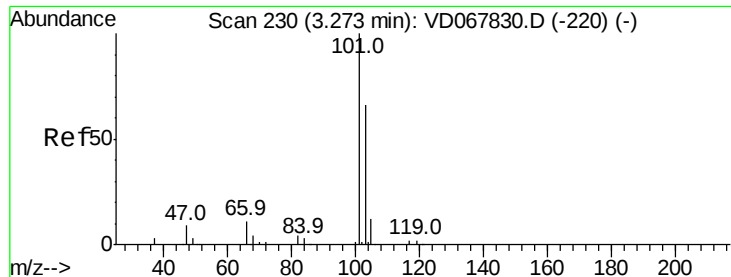
64 100

66 30.5 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



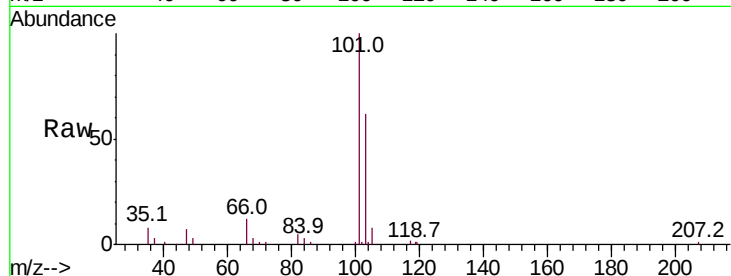


#7

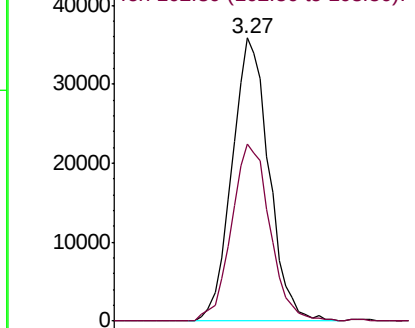
Trichlorofluoromethane
Concen: 20.261 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD067879.D
Acq: 04 Dec 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

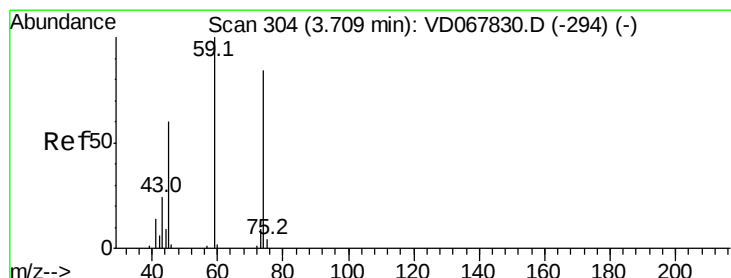
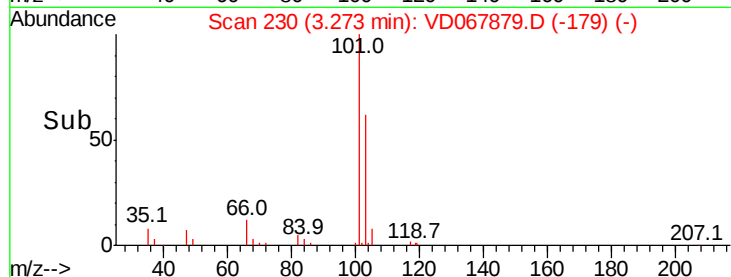
Tot Ion:101 Resp: 84186
Ion Ratio Lower Upper
101 100
103 62.4 53.0 79.6



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



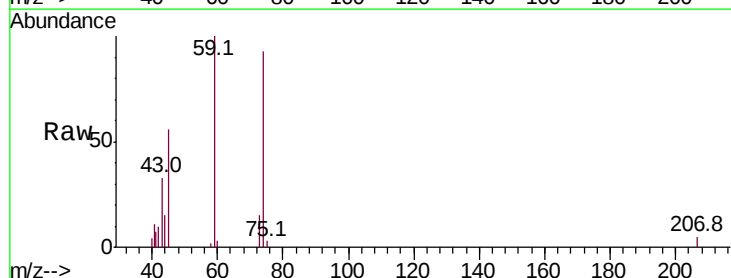
Time-->



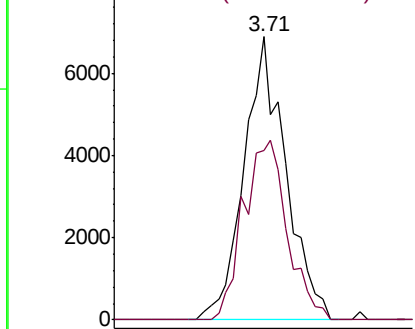
#8

Diethyl Ether
Concen: 19.442 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD067879.D
Acq: 04 Dec 2020 12:03

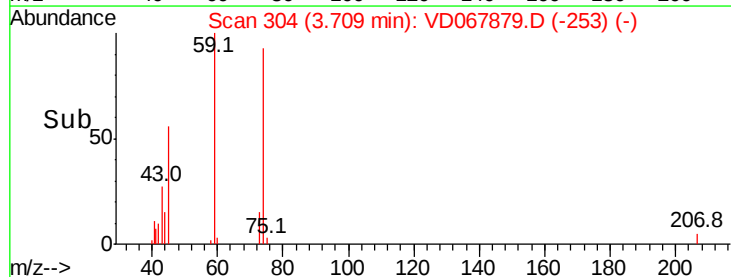
Tgt Ion: 74 Resp: 15745
Ion Ratio Lower Upper
74 100
45 66.4 33.9 101.7

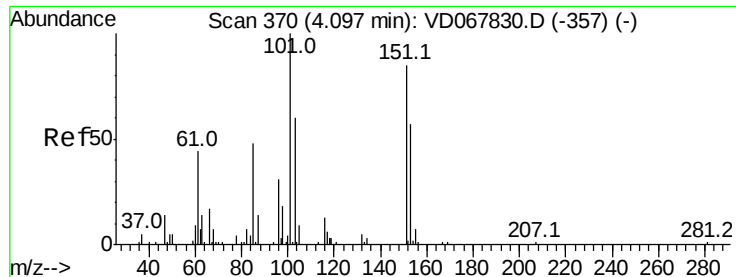


Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.00 (44.70 to 45.70): VDC



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.661 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBSD01

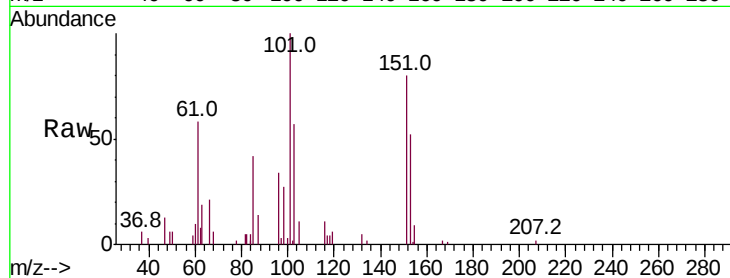
Tot Ion:101 Resp: 39147

Ion Ratio Lower Upper

101 100

85 43.8 36.2 54.4

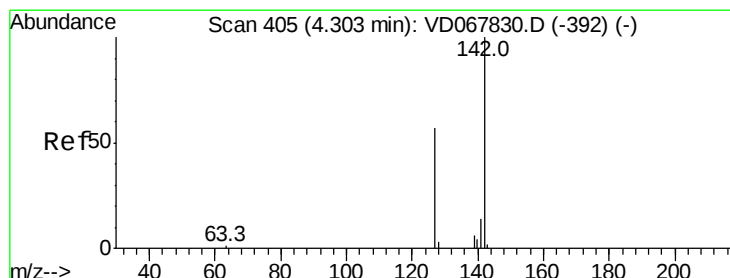
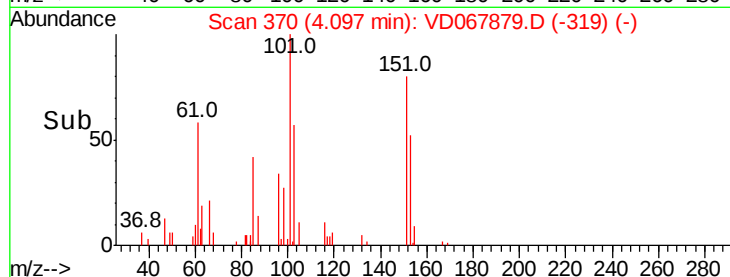
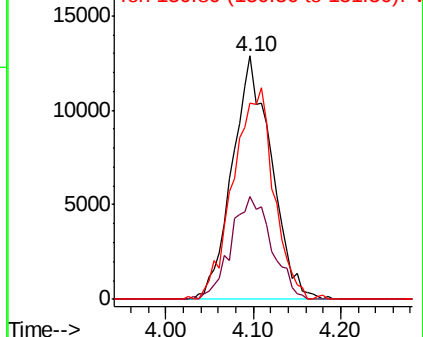
151 89.2 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.711 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

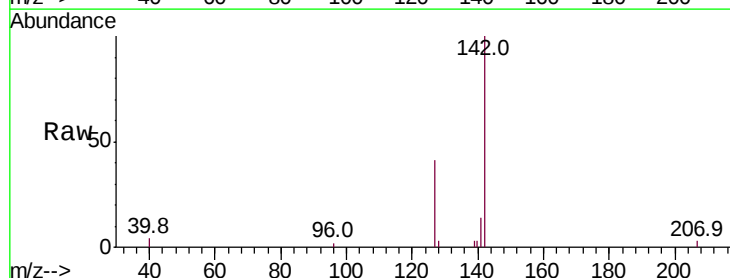
Tgt Ion:142 Resp: 33561

Ion Ratio Lower Upper

142 100

127 54.9 43.9 65.9

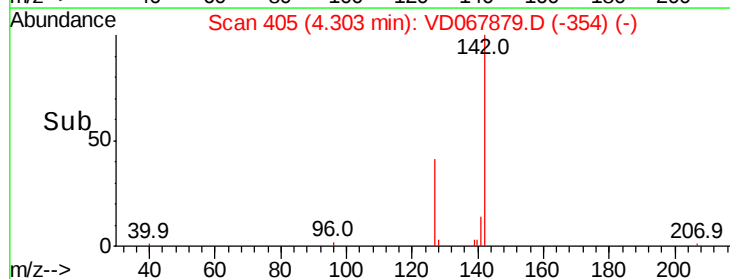
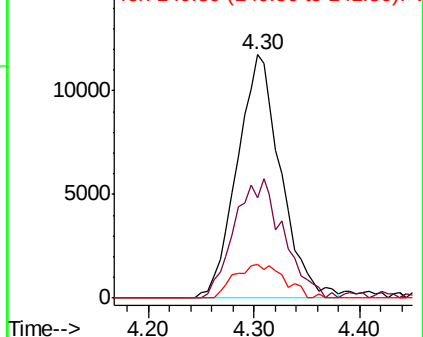
141 15.6 12.2 18.2

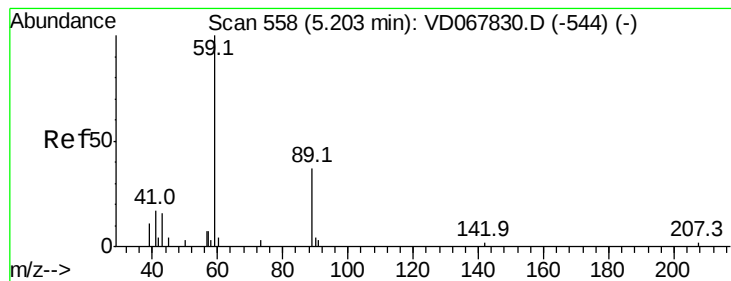


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



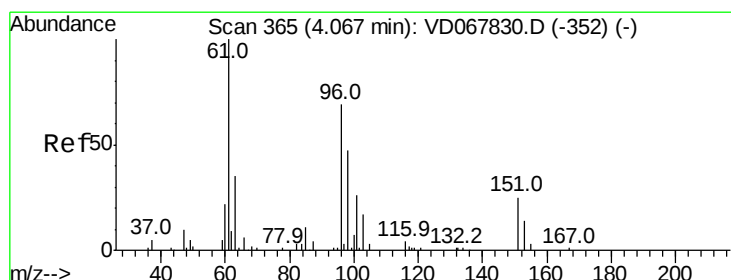
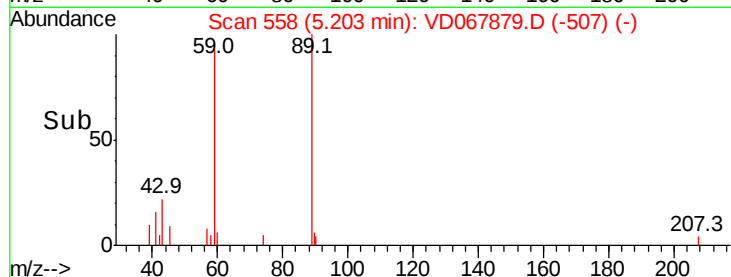
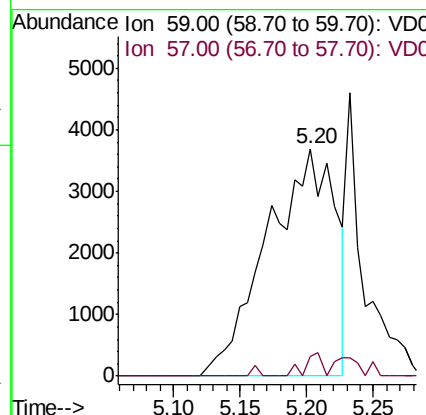
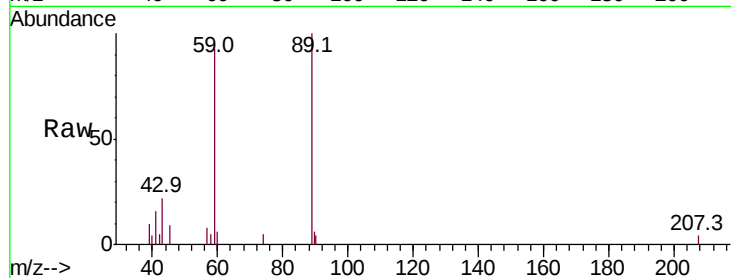


#11

Tert butyl alcohol
 Concen: 67.701 ug/l
 RT: 5.20 min Scan# 558
 Delta R.T. 0.00 min
 Lab File: VD067879.D
 Acq: 04 Dec 2020 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBSD01

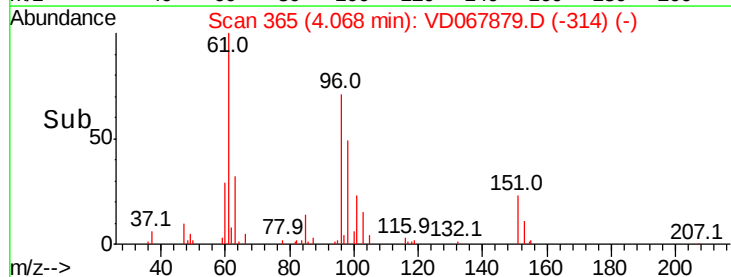
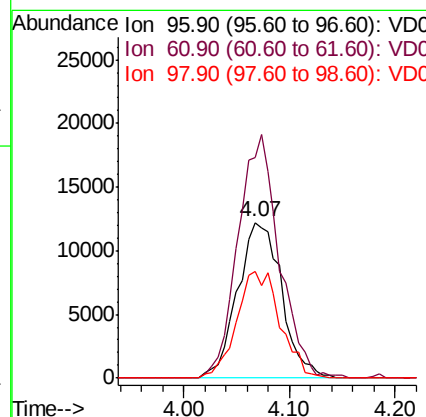
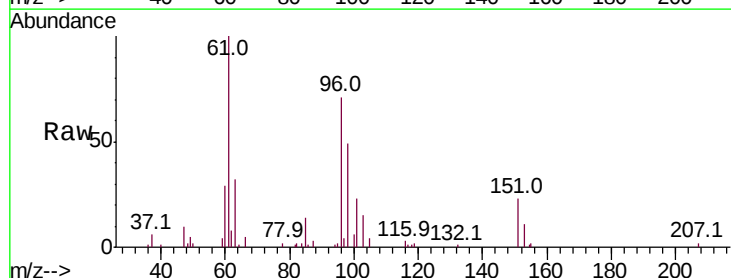
Tot Ion: 59 Resp: 12980
 Ion Ratio Lower Upper
 59 100
 57 2.4 7.7 11.5#

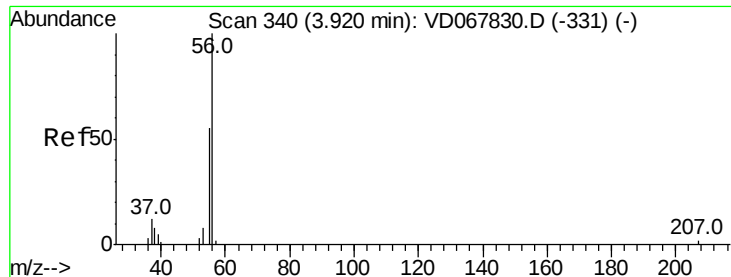


#12

1,1-Dichloroethene
 Concen: 19.902 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD067879.D
 Acq: 04 Dec 2020 12:03

Tgt Ion: 96 Resp: 35402
 Ion Ratio Lower Upper
 96 100
 61 141.7 116.1 174.1
 98 68.8 54.6 82.0





#13

Acrolein

Concen: 87.466 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

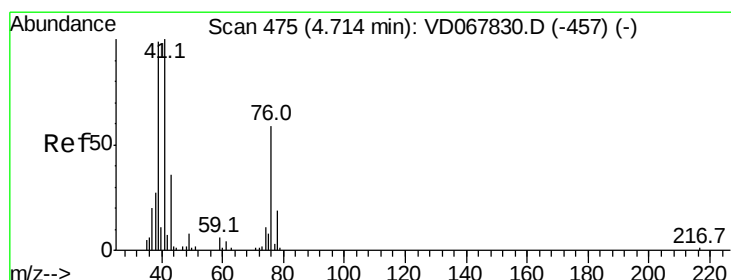
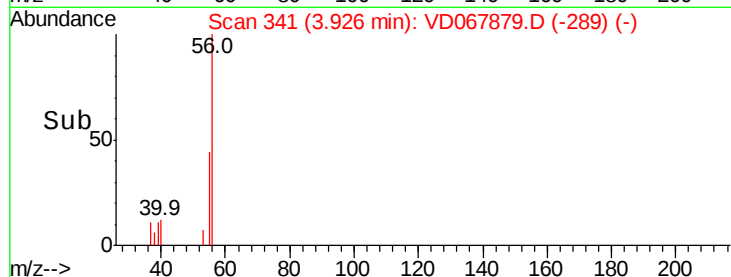
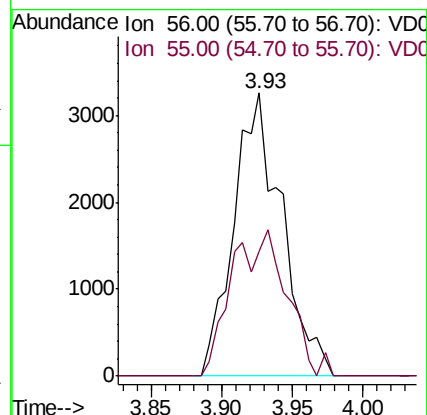
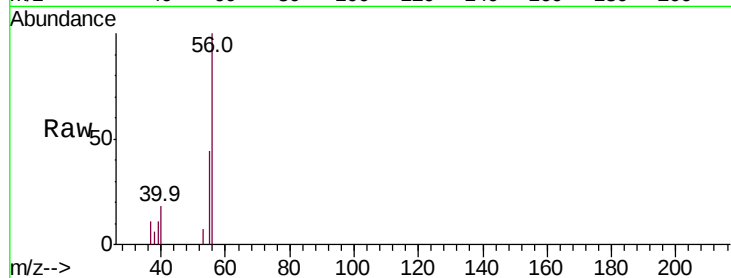
VD1204SBSD01

Tot Ion: 56 Resp: 7746

Ion Ratio Lower Upper

56 100

55 26.0 56.5 84.7#



#14

Allyl chloride

Concen: 21.109 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

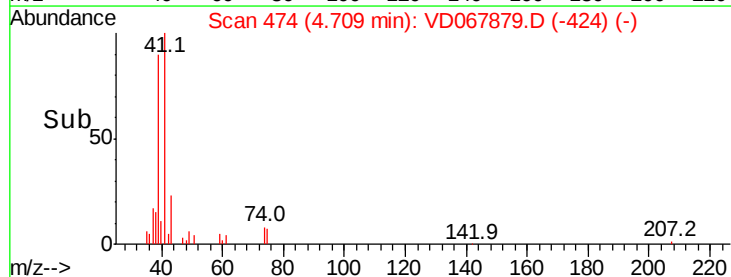
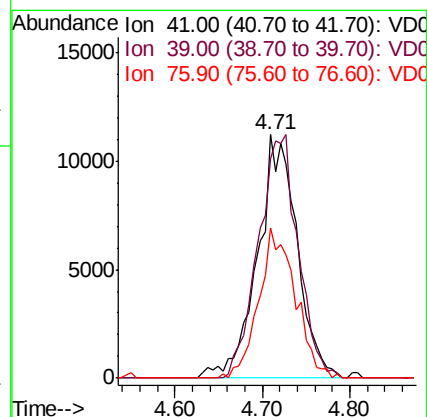
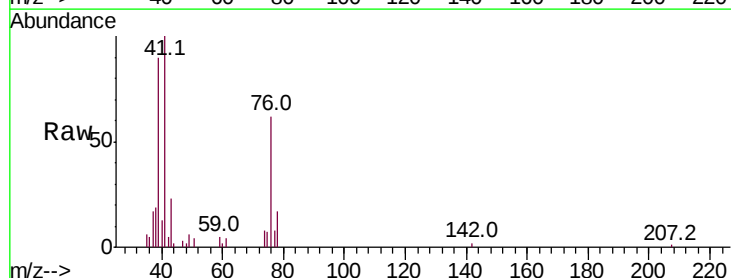
Tgt Ion: 41 Resp: 34737

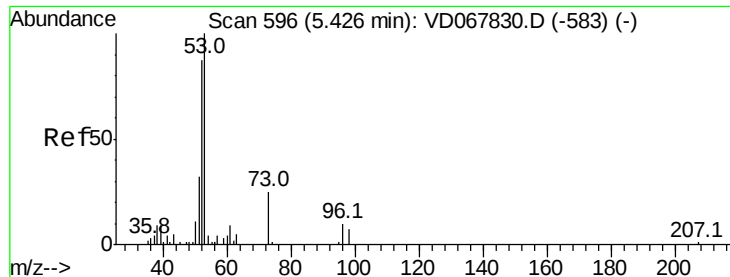
Ion Ratio Lower Upper

41 100

39 100.7 79.0 118.6

76 57.0 46.6 70.0





#15

Acrylonitrile

Concen: 97.347 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBSD01

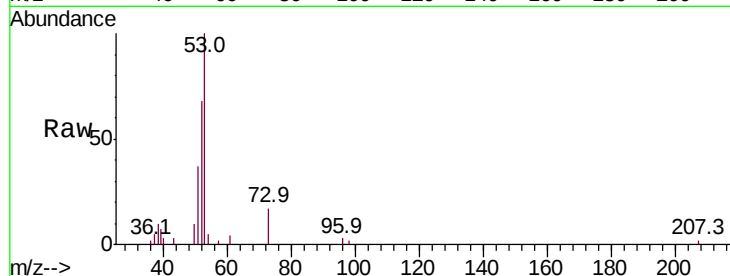
Tot Ion: 53 Resp: 27336

Ion Ratio Lower Upper

53 100

52 80.6 66.2 99.2

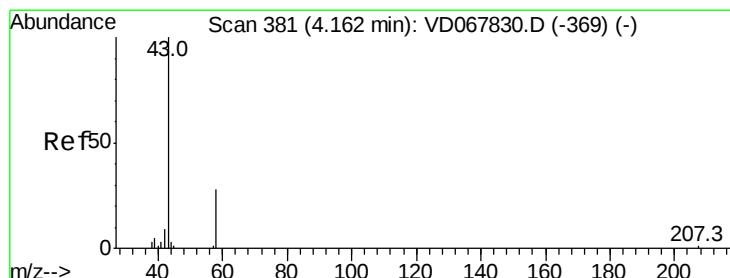
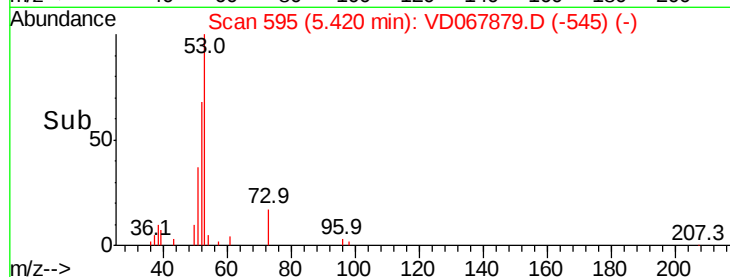
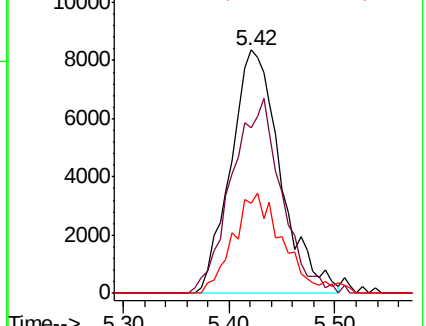
51 39.7 31.1 46.7



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: 85.487 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067879.D

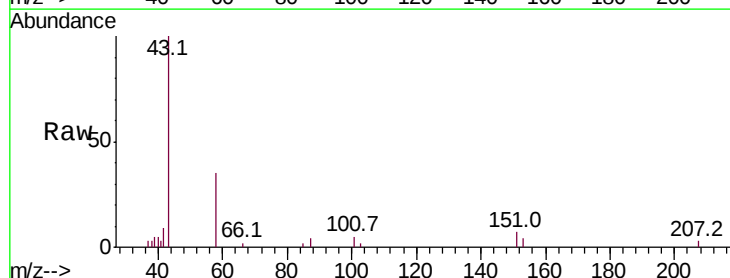
Acq: 04 Dec 2020 12:03

Tgt Ion: 43 Resp: 24344

Ion Ratio Lower Upper

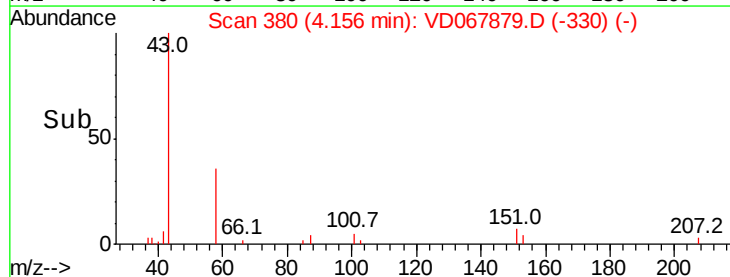
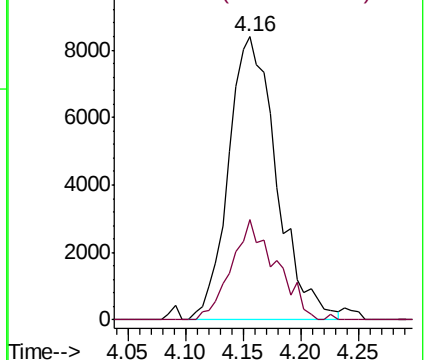
43 100

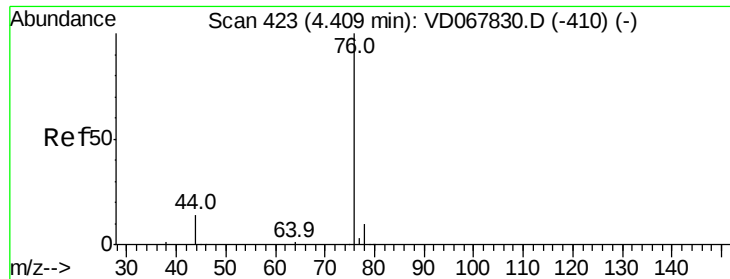
58 35.3 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

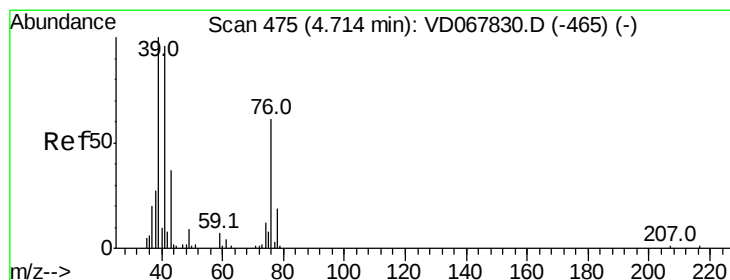
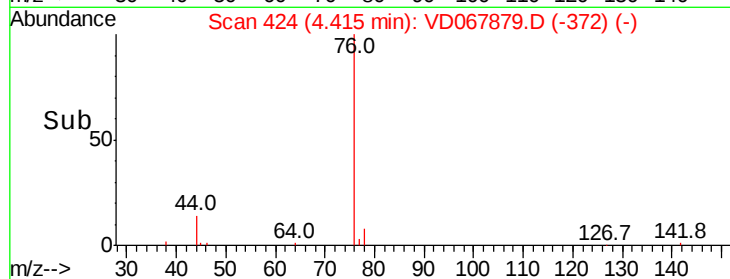
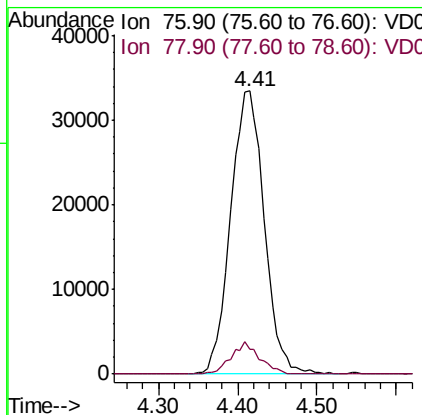
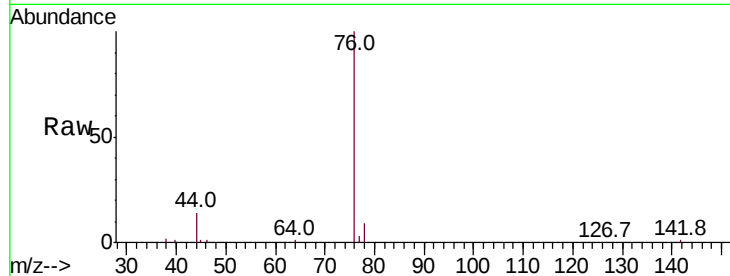




#17
Carbon Disulfide
Concen: 19.746 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD067879.D
Acq: 04 Dec 2020 12:03

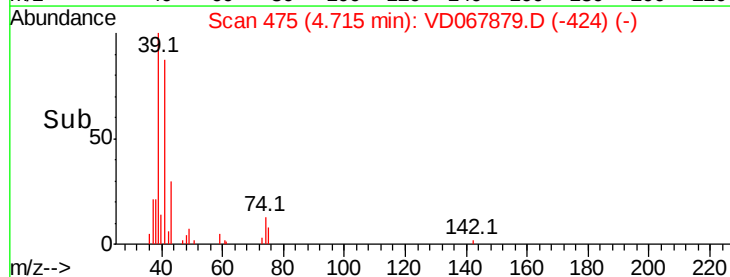
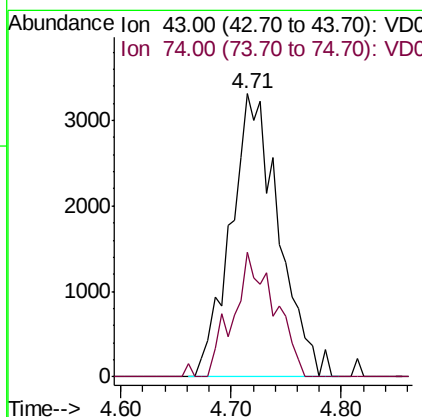
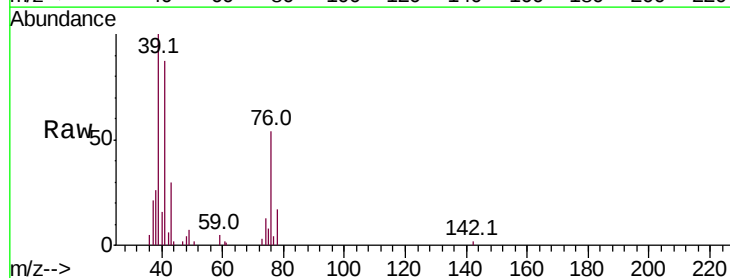
Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

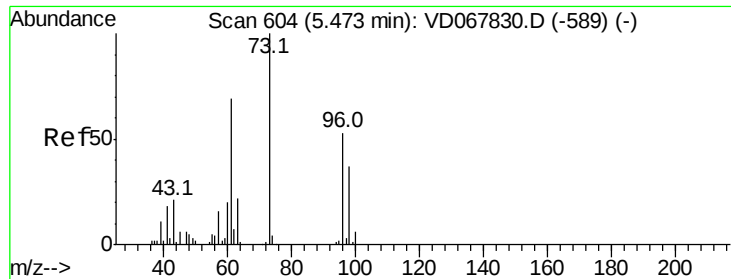
Tot Ion: 76 Resp: 98068
Ion Ratio Lower Upper
76 100
78 8.6 7.8 11.6



#18
Methyl Acetate
Concen: 18.409 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067879.D
Acq: 04 Dec 2020 12:03

Tgt Ion: 43 Resp: 10084
Ion Ratio Lower Upper
43 100
74 38.3 27.0 40.4

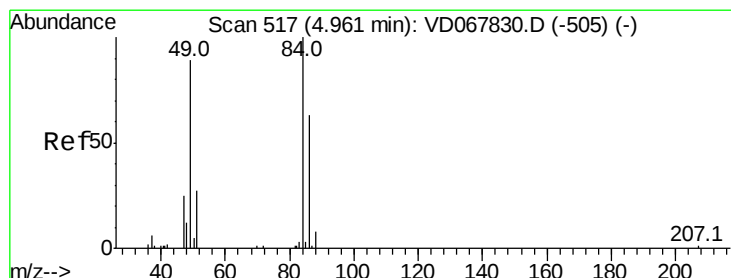
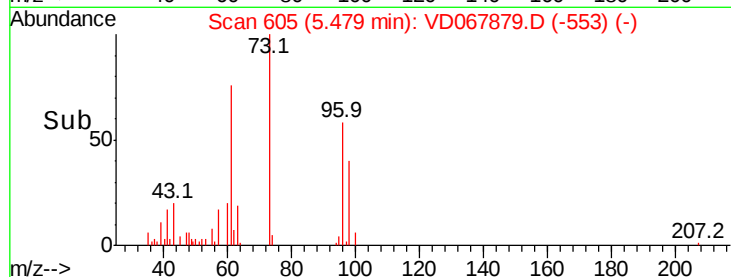
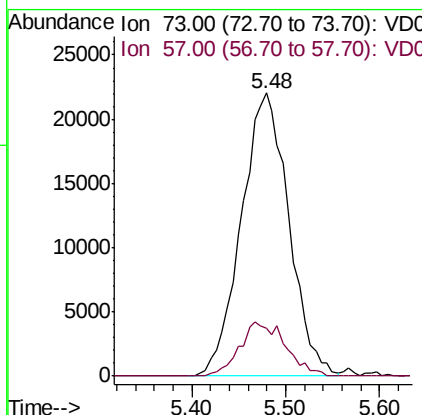
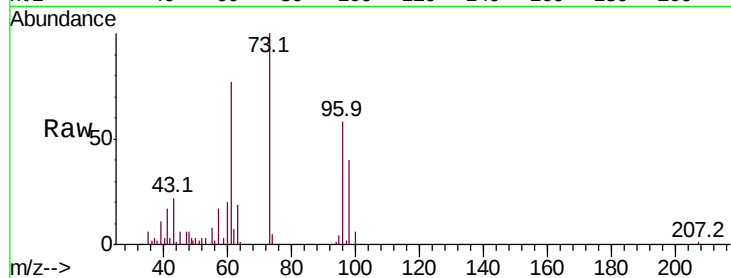




#19
Methvl tert-butvl Ether
Concen: 20.283 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067879.D
Acq: 04 Dec 2020 12:03

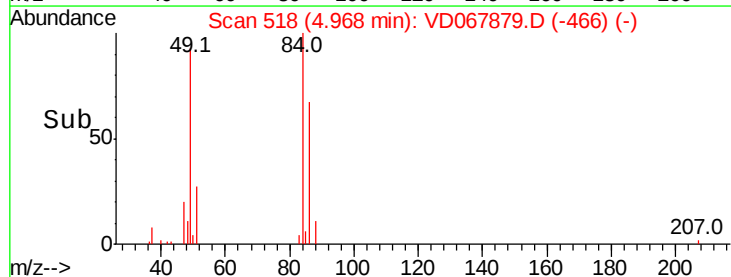
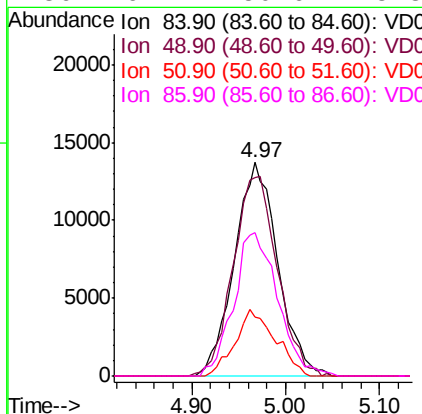
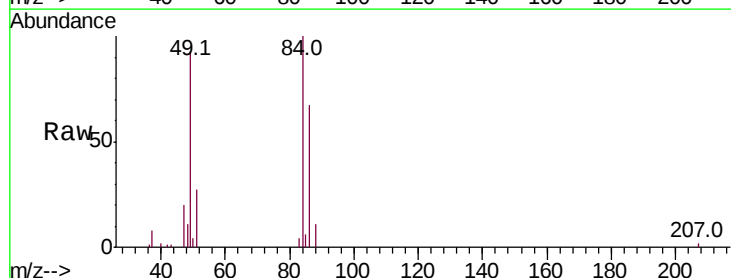
Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

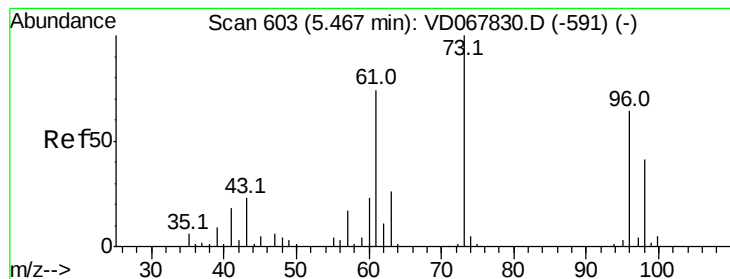
Tot Ion: 73 Resp: 77256
Ion Ratio Lower Upper
73 100
57 17.1 13.2 19.8



#20
Methylene Chloride
Concen: 21.459 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067879.D
Acq: 04 Dec 2020 12:03

Tgt Ion: 84 Resp: 43909
Ion Ratio Lower Upper
84 100
49 92.6 71.4 107.0
51 27.4 21.8 32.8
86 67.1 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 19.774 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBSD01

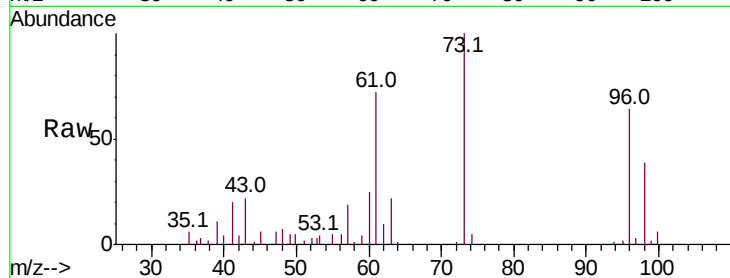
Tot Ion: 96 Resp: 40026

Ion Ratio Lower Upper

96 100

61 112.8 93.1 139.7

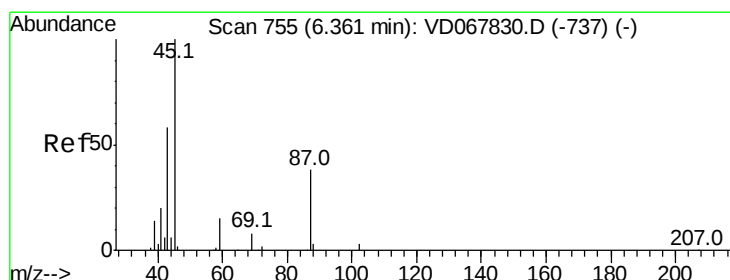
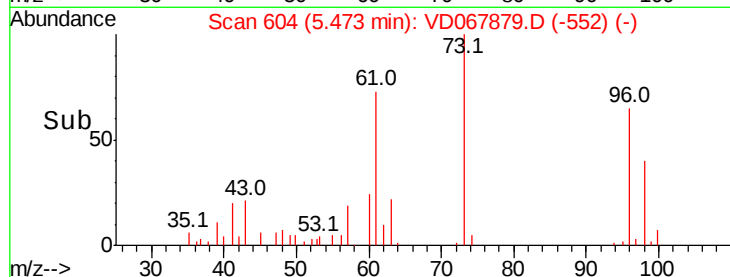
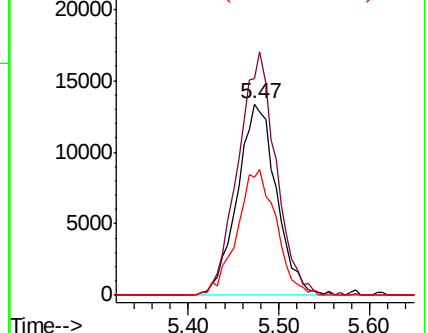
98 61.9 52.2 78.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 20.959 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

Tgt Ion: 45 Resp: 69370

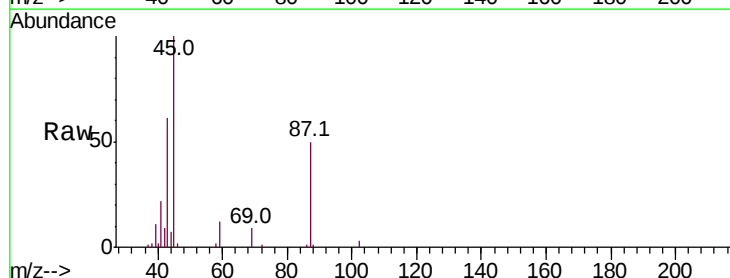
Ion Ratio Lower Upper

45 100

43 58.8 49.8 74.6

87 48.7 32.1 48.1#

59 12.1 11.9 17.9

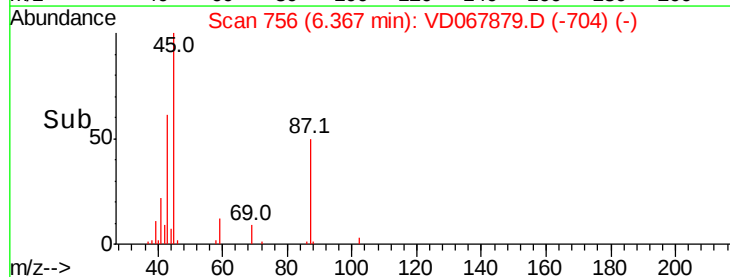
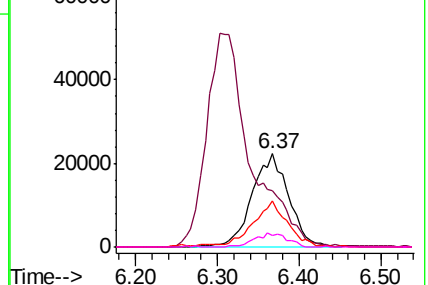


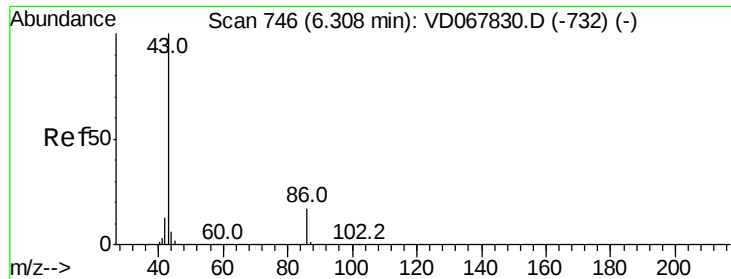
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC

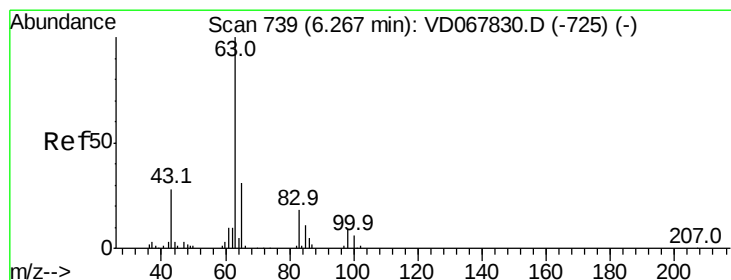
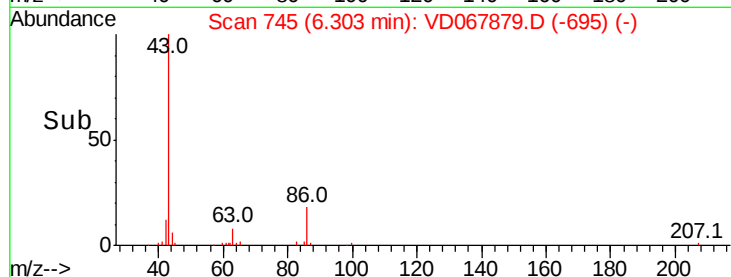
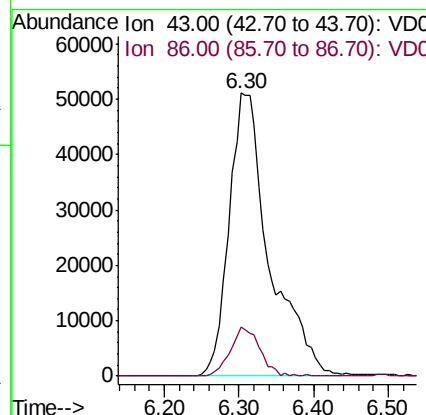
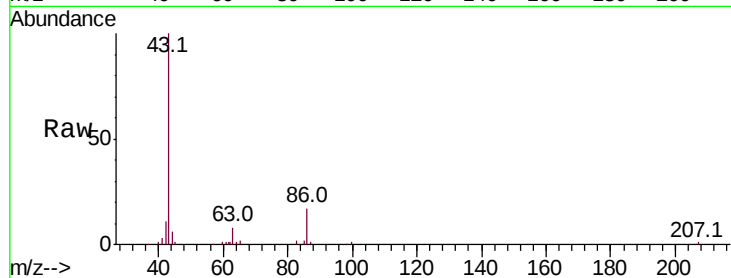




#23
 Vinyl Acetate
 Concen: 104.111 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: VD067879.D
 Acq: 04 Dec 2020 12:03

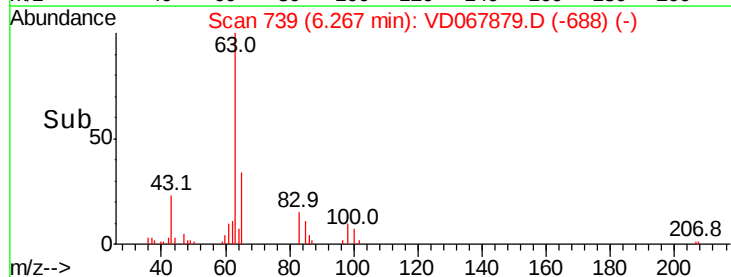
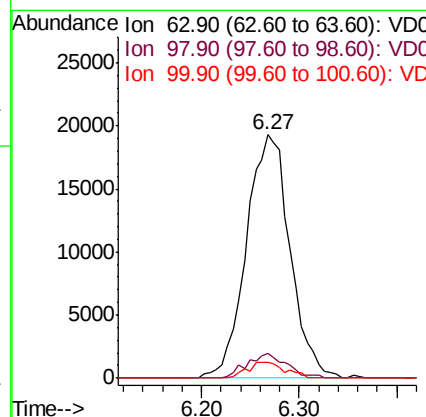
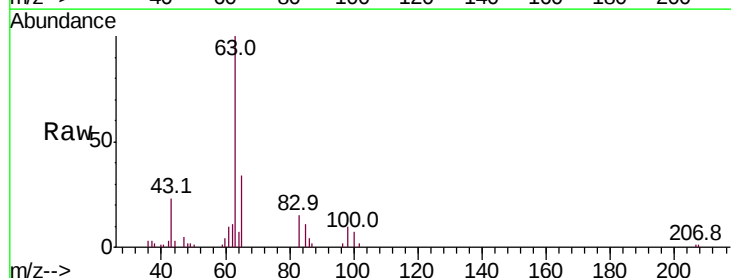
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

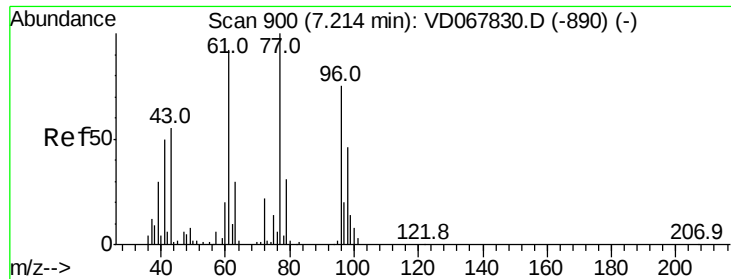
Tot Ion: 43 Resp: 191695
 Ion Ratio Lower Upper
 43 100
 86 17.4 13.8 20.6



#24
 1,1-Dichloroethane
 Concen: 20.688 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD067879.D
 Acq: 04 Dec 2020 12:03

Tgt Ion: 63 Resp: 60021
 Ion Ratio Lower Upper
 63 100
 98 10.0 4.5 13.5
 100 6.6 3.0 9.2

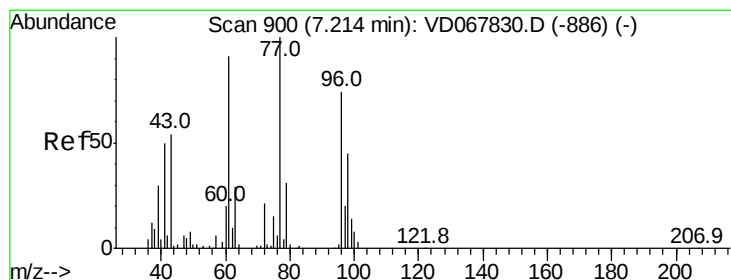
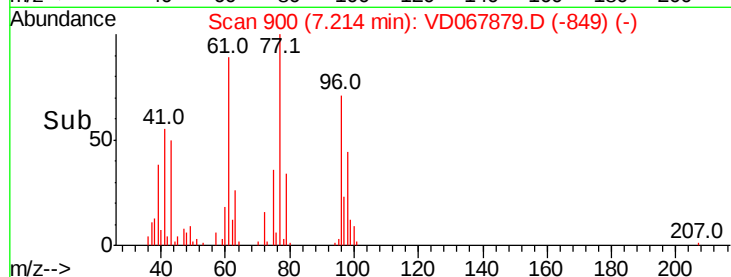
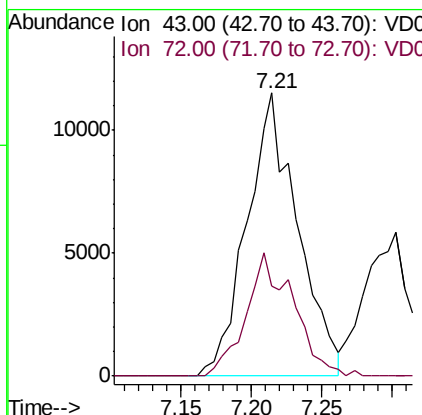
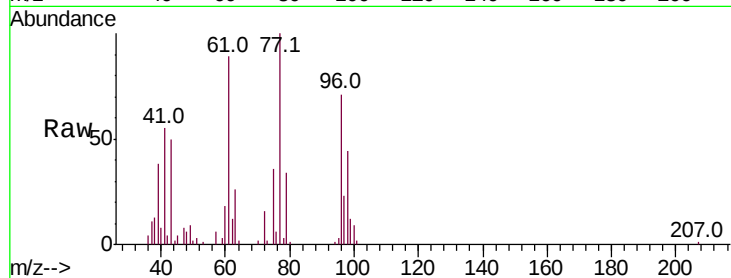




#25
2-Butanone
Concen: 96.678 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067879.D
Acq: 04 Dec 2020 12:03

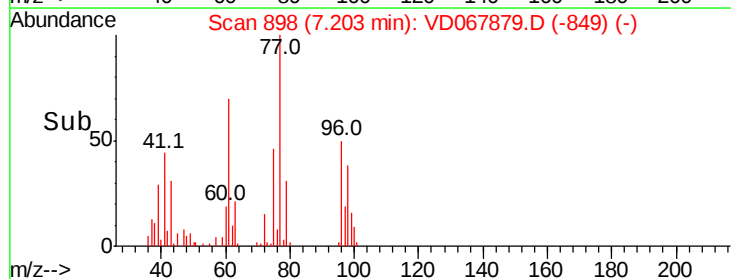
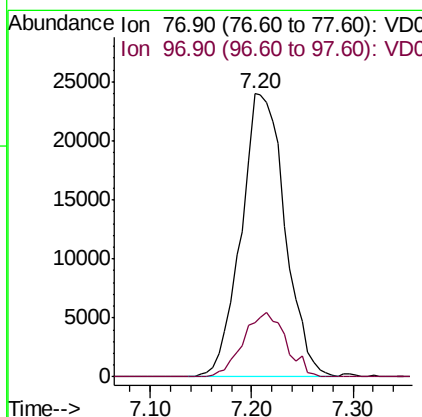
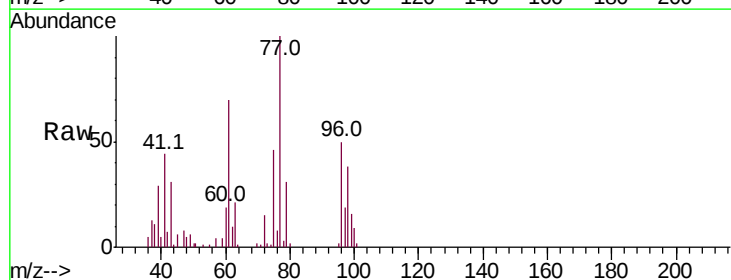
Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

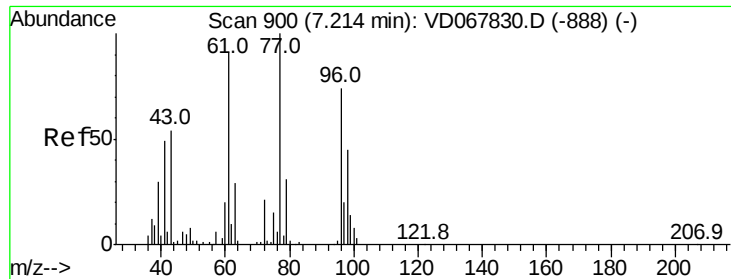
Tot Ion: 43 Resp: 28957
Ion Ratio Lower Upper
43 100
72 31.9 31.3 46.9



#26
2,2-Dichloropropane
Concen: 20.883 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD067879.D
Acq: 04 Dec 2020 12:03

Tgt Ion: 77 Resp: 72248
Ion Ratio Lower Upper
77 100
97 22.2 11.1 33.1



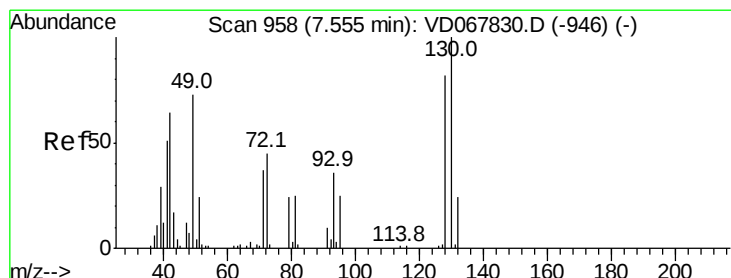
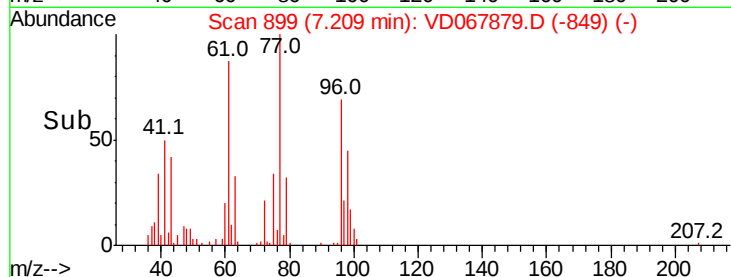
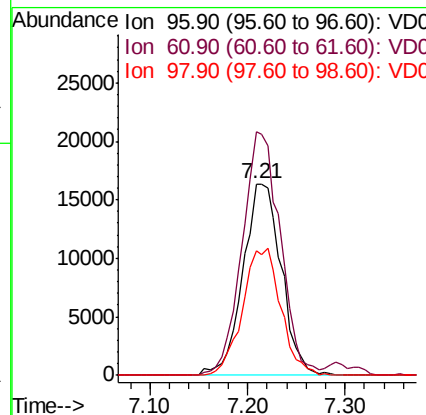
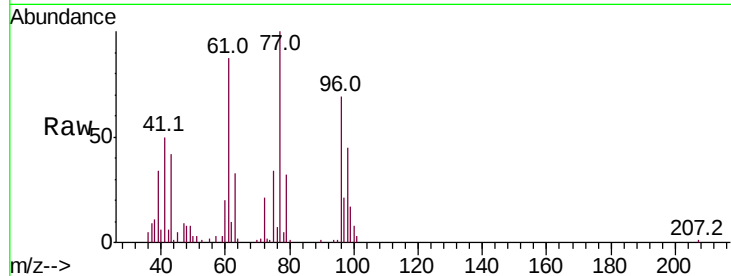


#27

cis-1,2-Dichloroethene
Concen: 20.272 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067879.D
Acq: 04 Dec 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

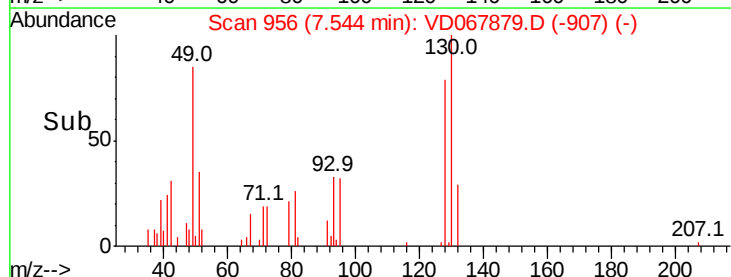
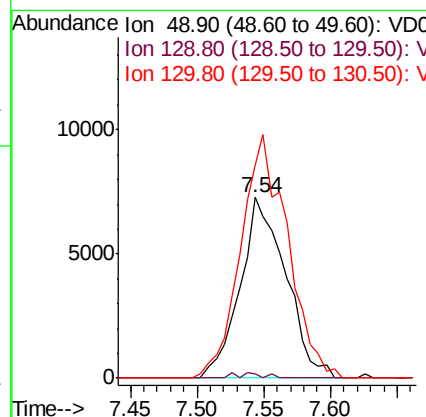
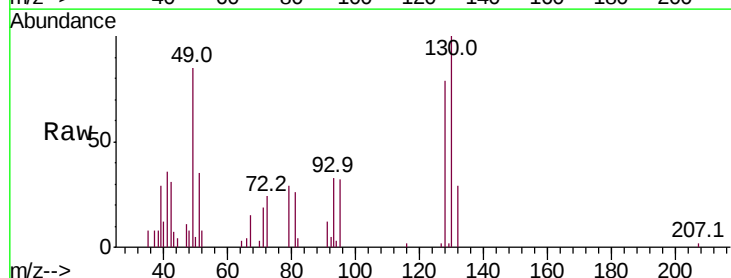
Tot Ion: 96 Resp: 44881
Ion Ratio Lower Upper
96 100
61 126.6 0.0 248.4
98 66.3 0.0 127.4

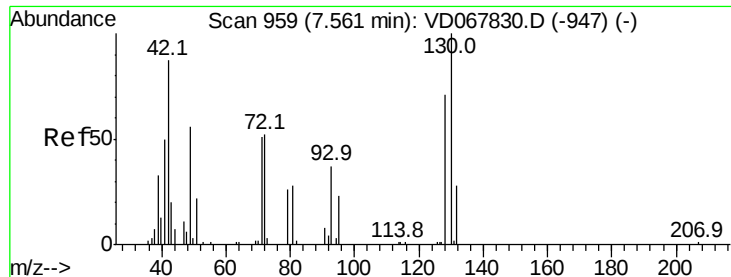


#28

Bromochloromethane
Concen: 18.749 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD067879.D
Acq: 04 Dec 2020 12:03

Tgt Ion: 49 Resp: 17271
Ion Ratio Lower Upper
49 100
129 1.6 0.0 3.4
130 138.3 110.2 165.2

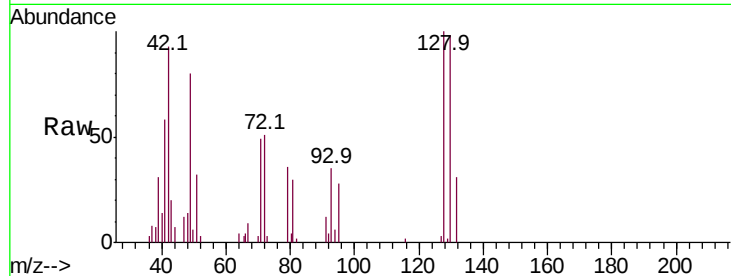




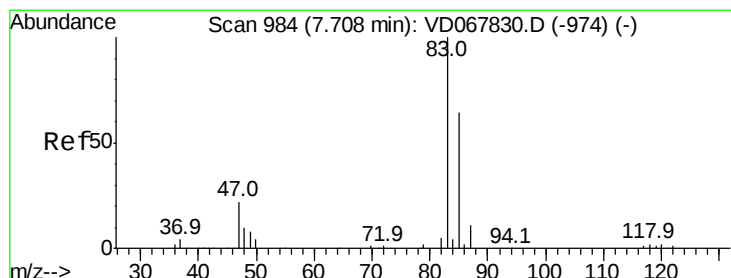
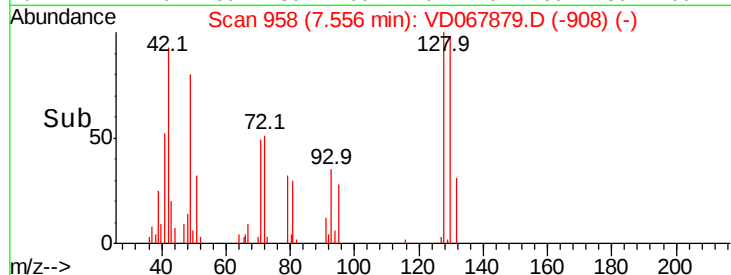
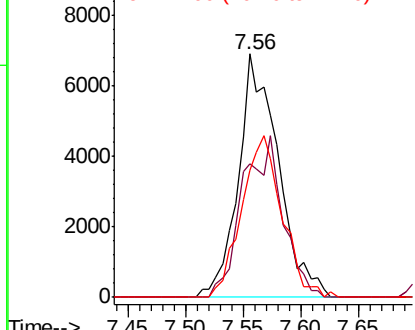
#29
Tetrahydrofuran
Concen: 97.535 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD067879.D
Acq: 04 Dec 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBS01

Tot Ion: 42 Resp: 16634
Ion Ratio Lower Upper
42 100
72 67.2 51.9 77.9
71 67.1 48.2 72.4

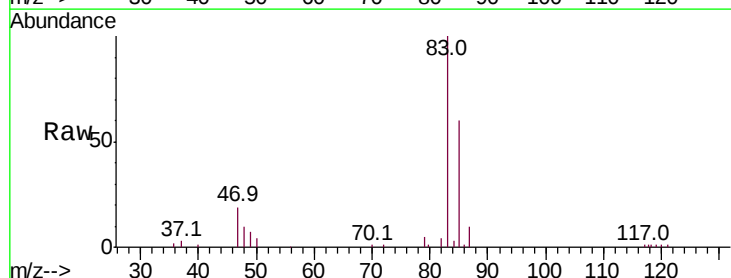


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

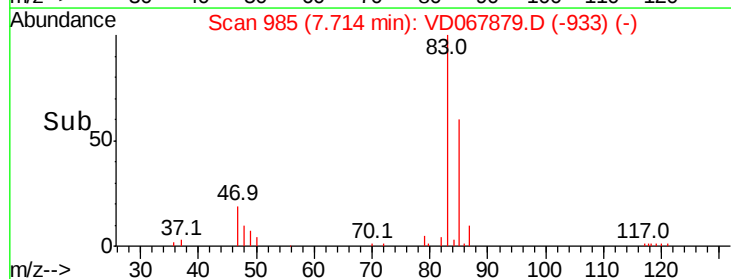
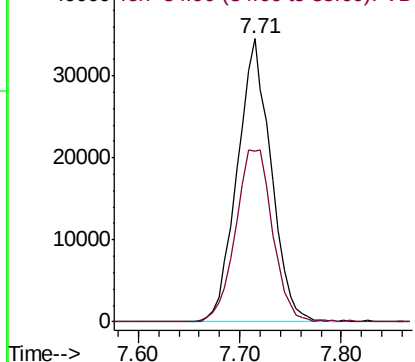


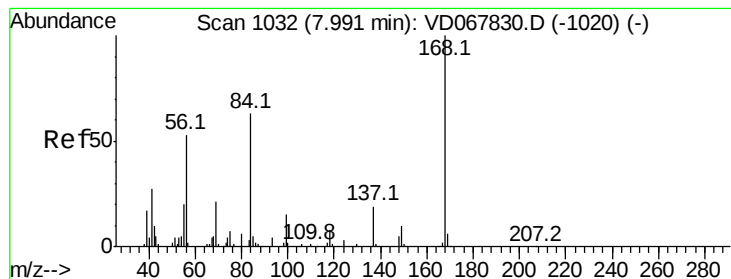
#30
Chloroform
Concen: 20.601 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD067879.D
Acq: 04 Dec 2020 12:03

Tgt Ion: 83 Resp: 79876
Ion Ratio Lower Upper
83 100
85 60.1 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: 19.780 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.00 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBSD01

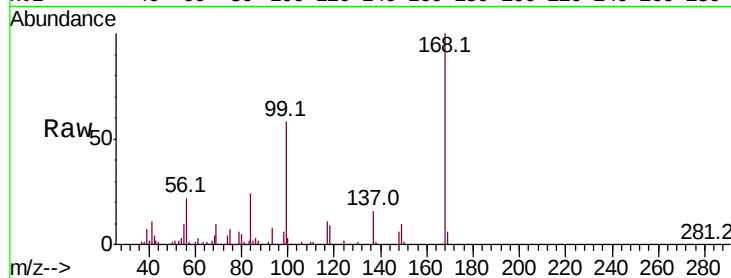
Tot Ion: 56 Resp: 48026

Ion Ratio Lower Upper

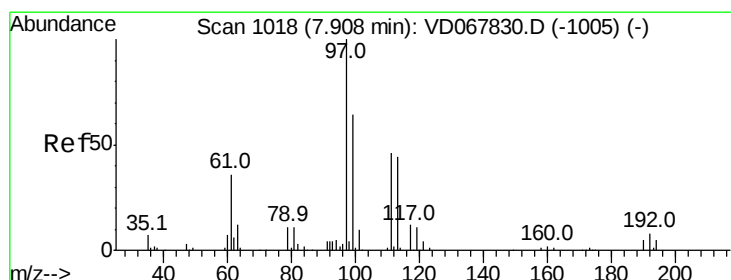
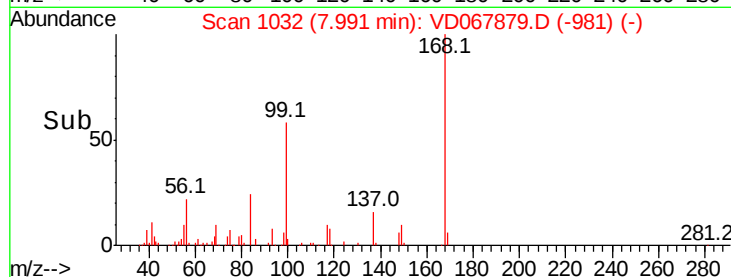
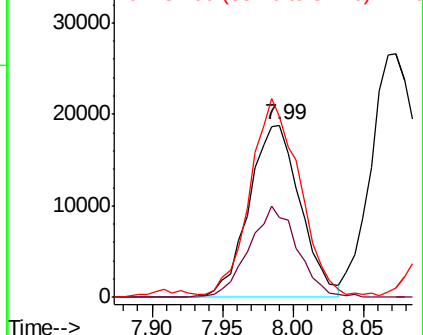
56 100

69 46.4 32.1 48.1

84 102.7 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: 20.823 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

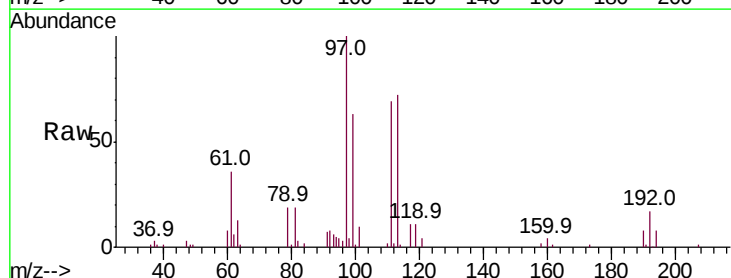
Tgt Ion: 97 Resp: 85225

Ion Ratio Lower Upper

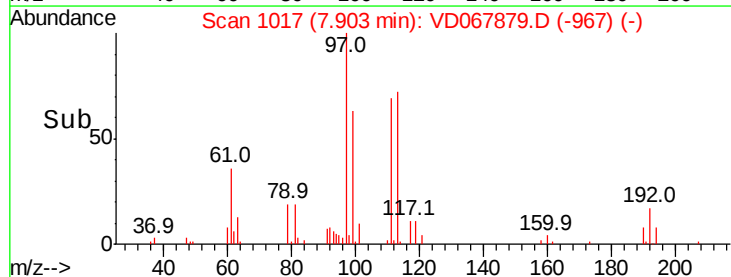
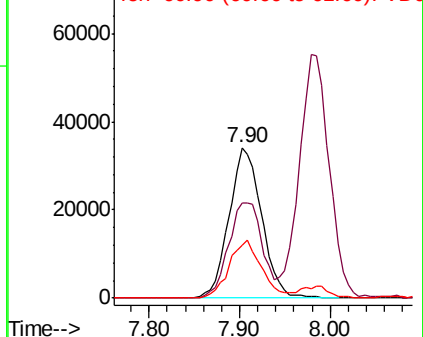
97 100

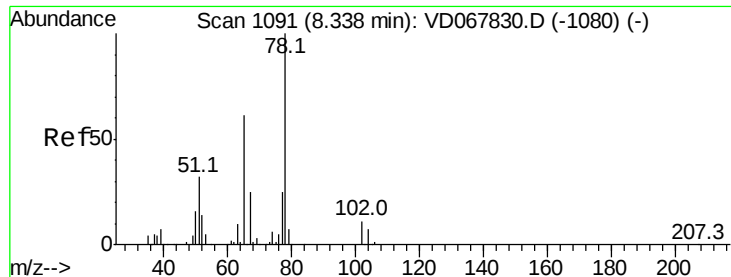
99 65.3 51.4 77.2

61 37.7 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: 48.451 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

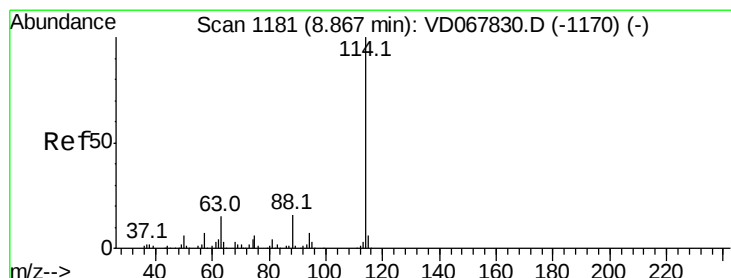
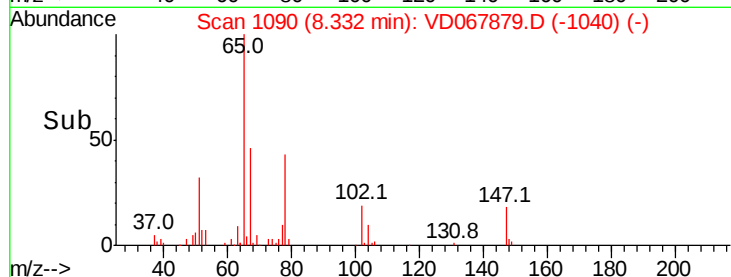
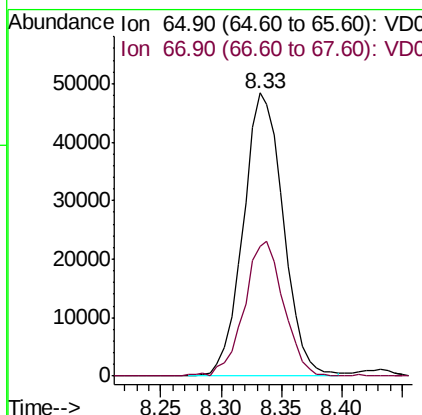
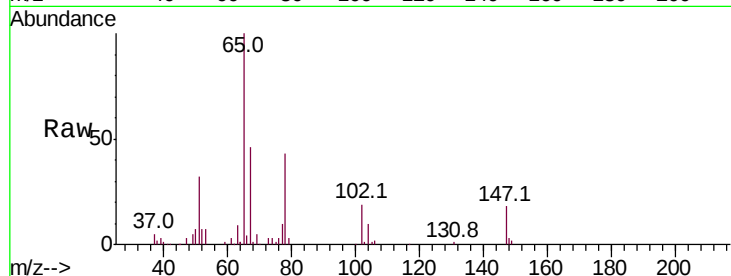
Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

Tot Ion: 65 Resp: 111657

Ion	Ratio	Lower	Upper
65	100		
67	46.8	0.0	92.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

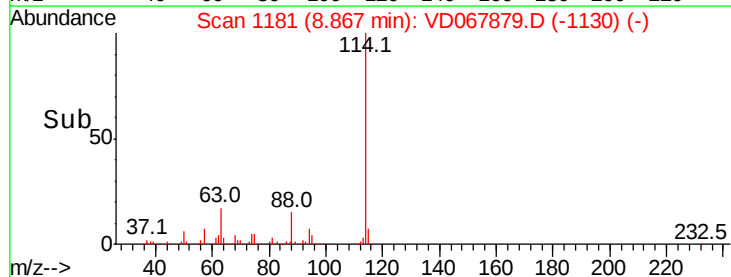
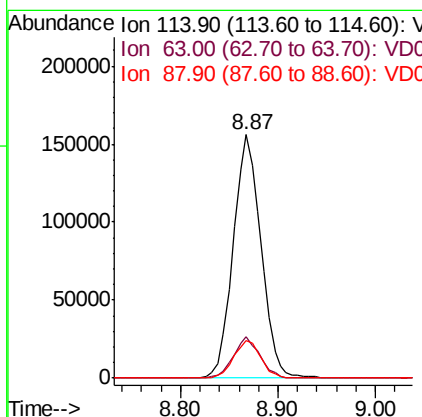
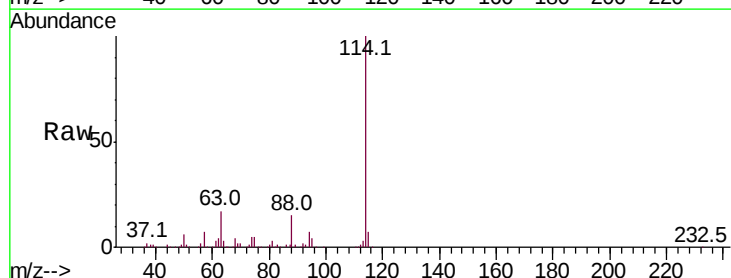
Delta R.T. 0.00 min

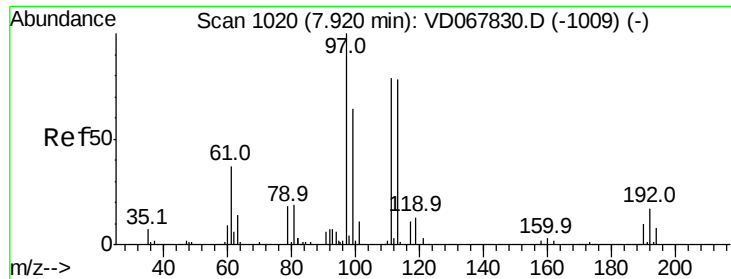
Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

Tgt Ion: 114 Resp: 308100

Ion	Ratio	Lower	Upper
114	100		
63	17.0	0.0	30.8
88	15.5	0.0	31.8

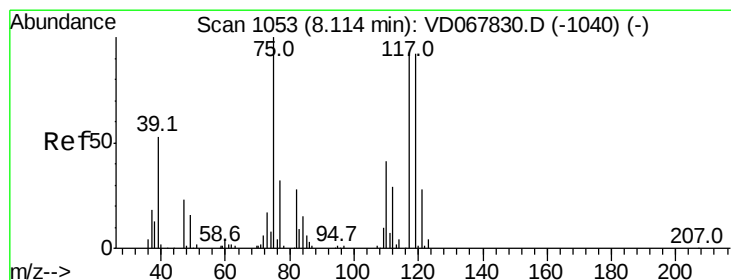
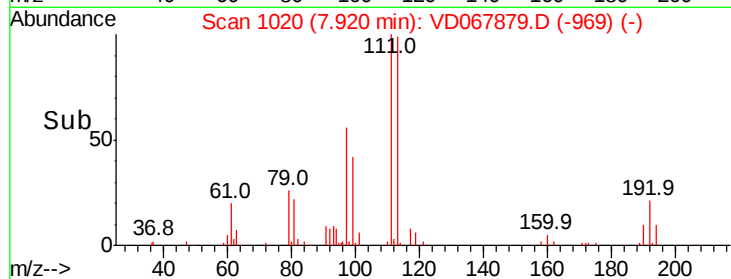
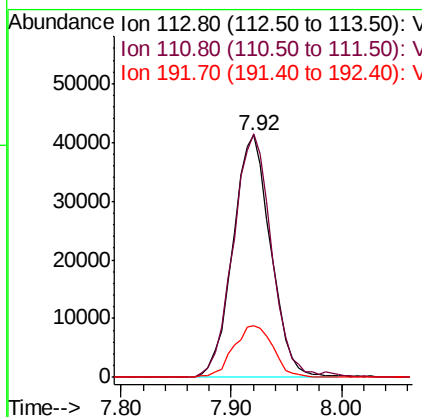
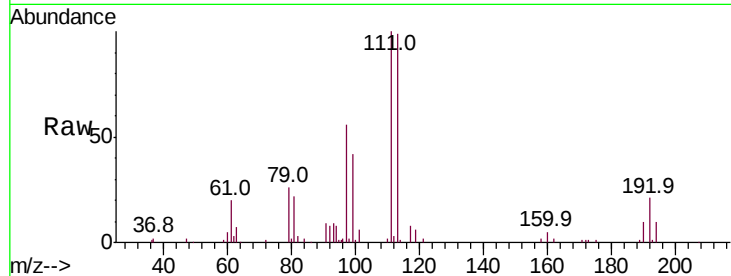




#35
Dibromofluoromethane
Concen: 47.977 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD067879.D
Acq: 04 Dec 2020 12:03

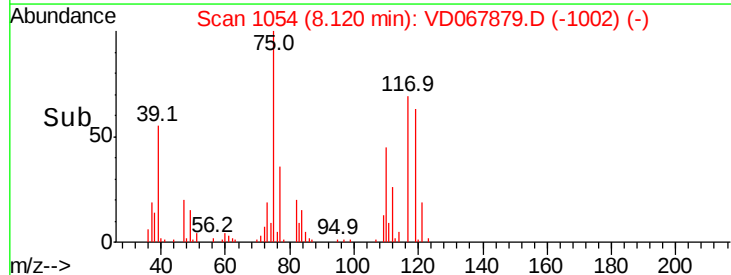
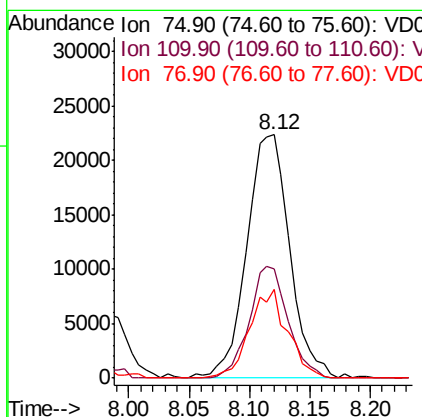
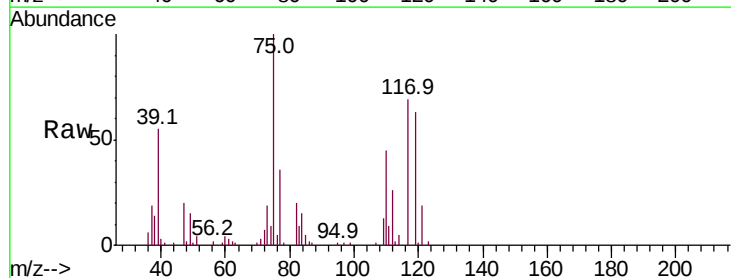
Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

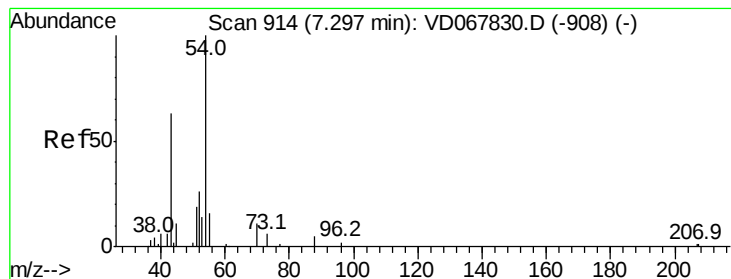
Tot Ion:113 Resp: 98911
Ion Ratio Lower Upper
113 100
111 102.6 81.2 121.8
192 22.4 16.8 25.2



#36
1,1-Dichloropropene
Concen: 20.709 ug/l
RT: 8.12 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VD067879.D
Acq: 04 Dec 2020 12:03

Tgt Ion: 75 Resp: 55235
Ion Ratio Lower Upper
75 100
110 41.5 20.3 61.0
77 32.2 24.7 37.1





#37

Ethyl Acetate

Concen: 19.519 ug/l

RT: 7.30 min Scan# 915

Delta R.T. 0.01 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

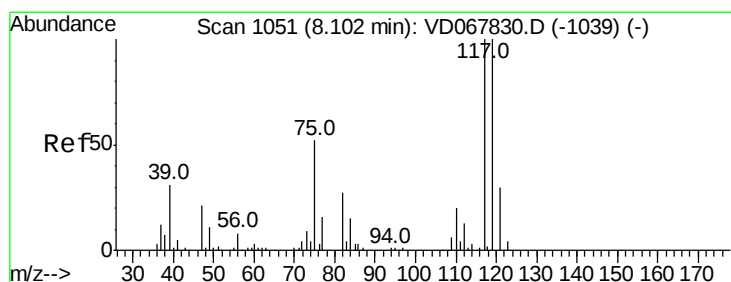
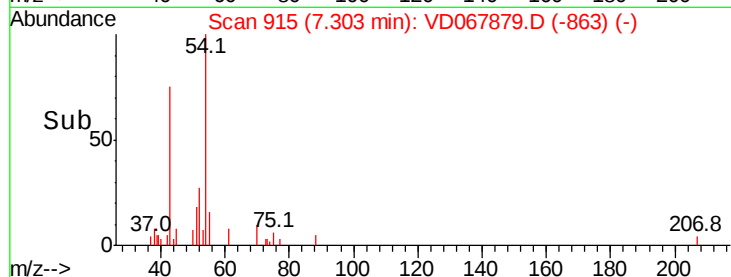
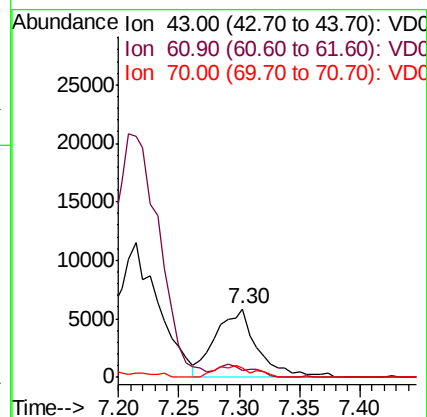
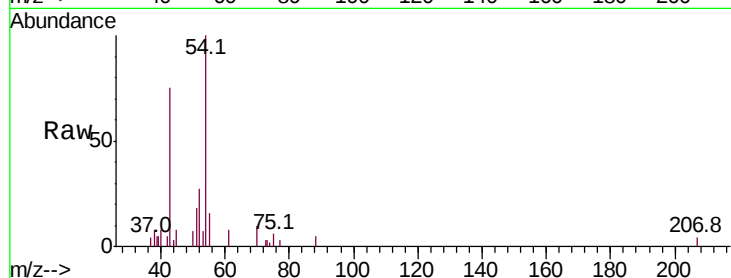
Tot Ion: 43 Resp: 14031

Ion Ratio Lower Upper

43 100

61 15.8 11.4 17.2

70 15.2 11.5 17.3



#38

Carbon Tetrachloride

Concen: 20.422 ug/l

RT: 8.10 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

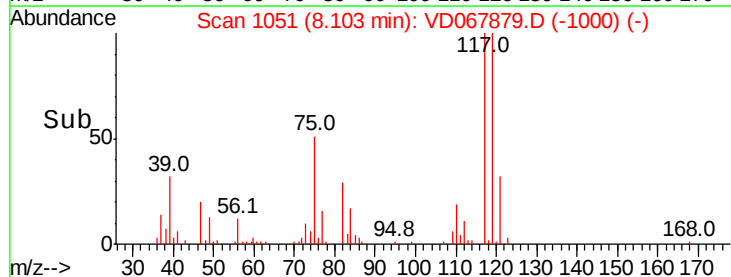
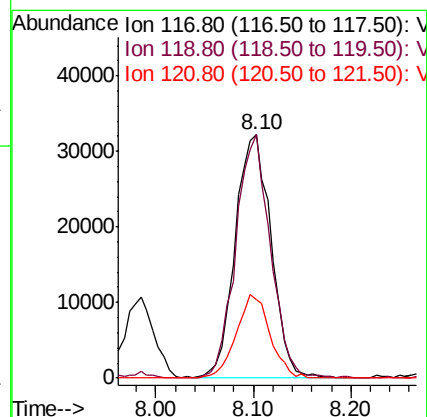
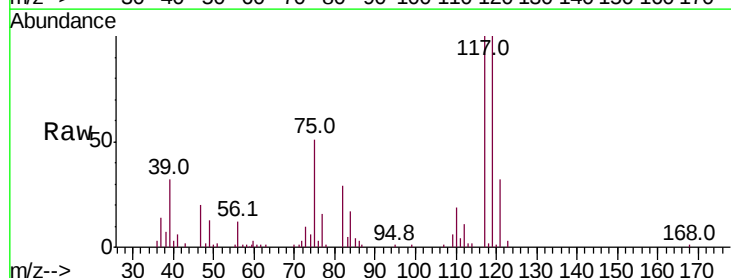
Tgt Ion: 117 Resp: 82415

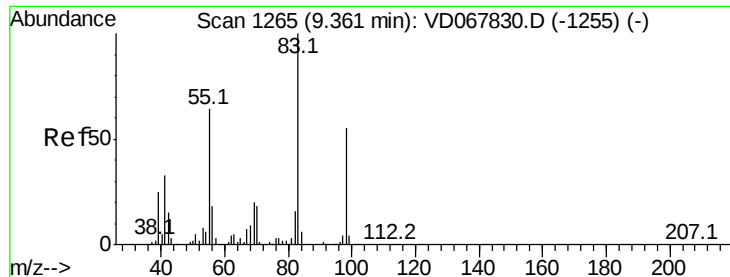
Ion Ratio Lower Upper

117 100

119 100.0 79.7 119.5

121 32.2 23.8 35.6

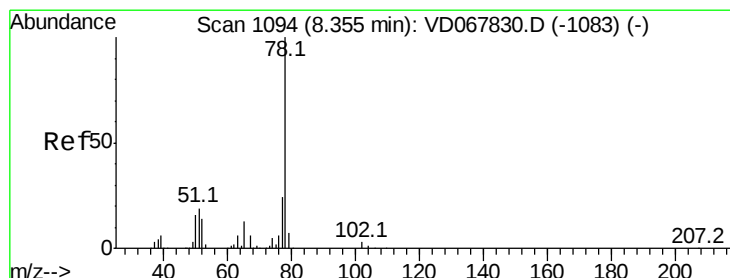
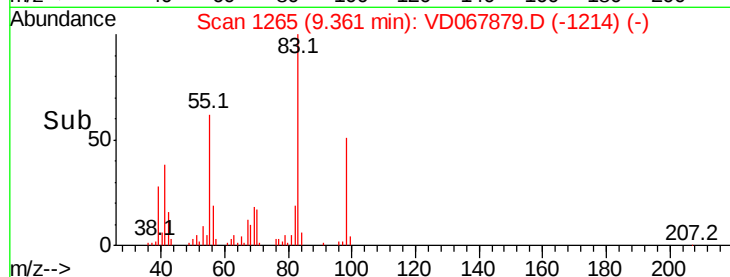
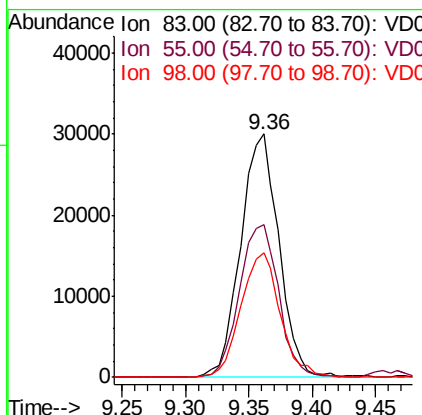
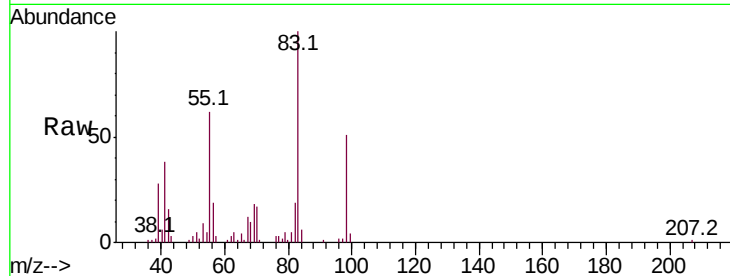




#39
Methvlcvclohexane
Concen: 19.937 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD067879.D
Acq: 04 Dec 2020 12:03

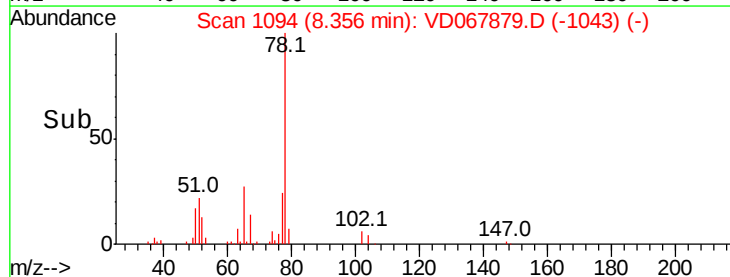
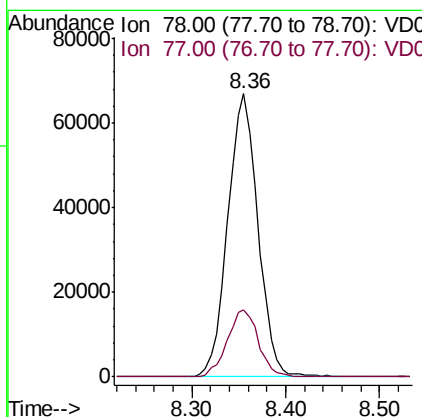
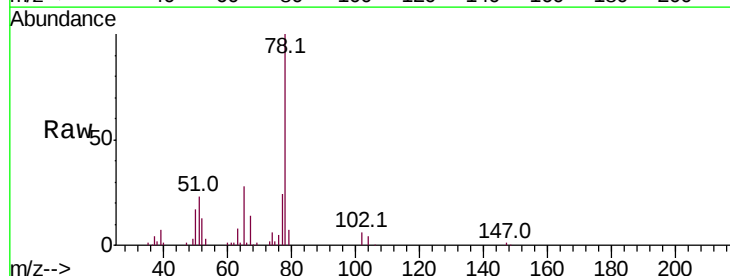
Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

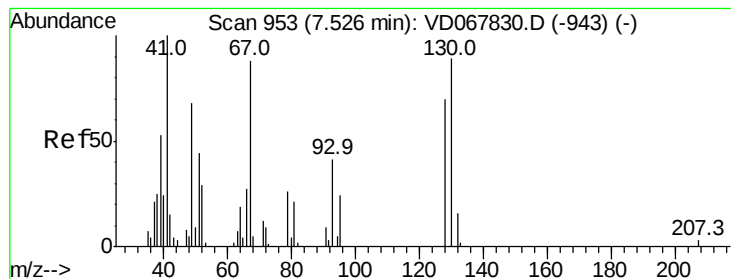
Tot Ion	83	Resp	63017
Ion Ratio	100	Lower	Upper
55	62.5	51.6	77.4
98	51.1	44.3	66.5



#40
Benzene
Concen: 20.376 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067879.D
Acq: 04 Dec 2020 12:03

Tgt Ion	78	Resp	148706
Ion Ratio	100	Lower	Upper
77	23.8	19.1	28.7





#41

Methacrylonitrile

Concen: 18.078 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBSD01

Tot Ion: 41 Resp: 7147

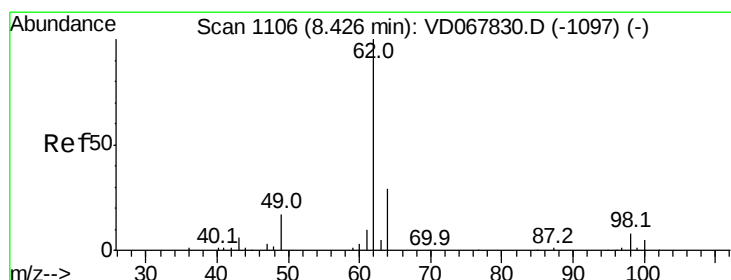
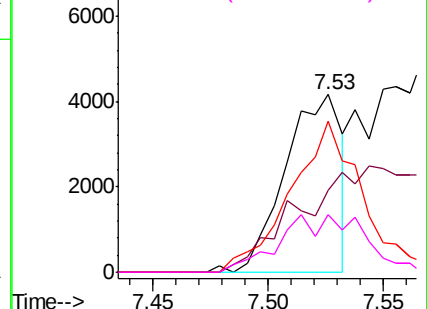
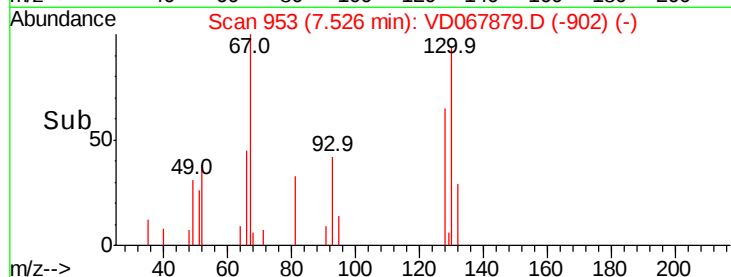
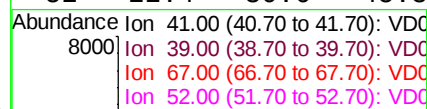
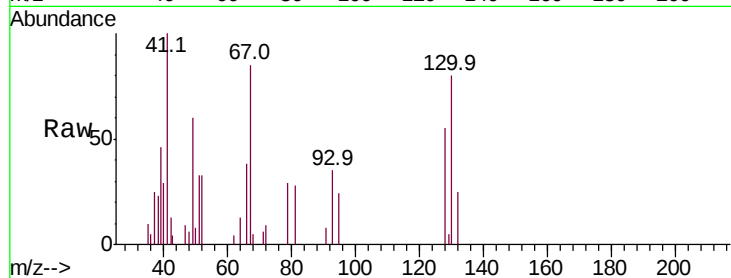
Ion Ratio Lower Upper

41 100

39 0.0 42.1 63.1#

67 105.7 82.4 123.6

52 22.4 30.6 45.8#



#42

1,2-Dichloroethane

Concen: 20.694 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067879.D

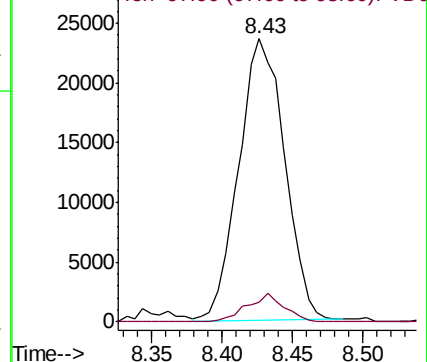
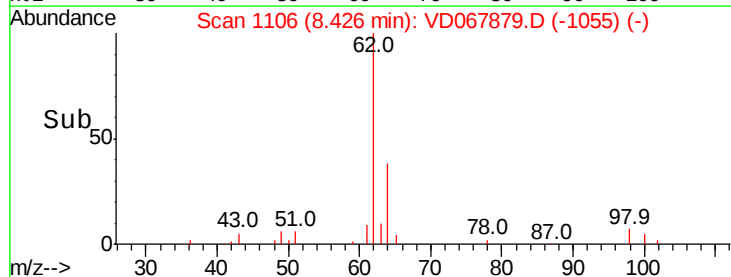
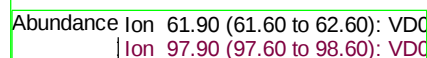
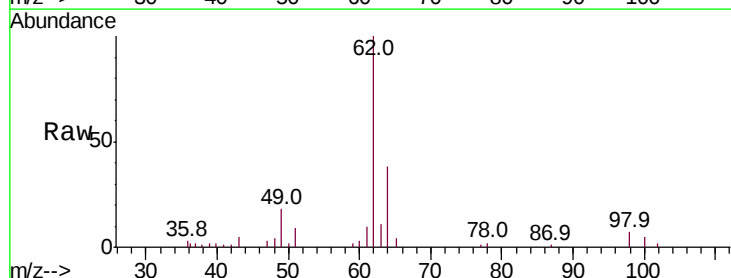
Acq: 04 Dec 2020 12:03

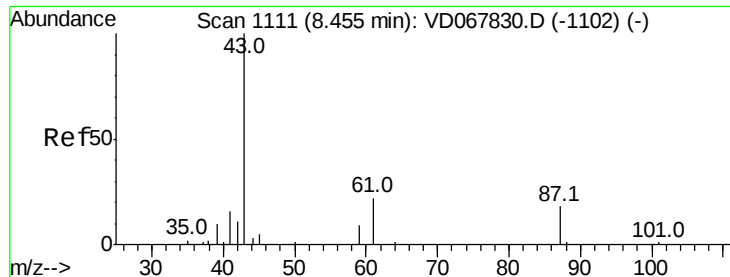
Tgt Ion: 62 Resp: 53828

Ion Ratio Lower Upper

62 100

98 8.3 0.0 17.2





#43

Isopropyl Acetate

Concen: 19.585 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBSD01

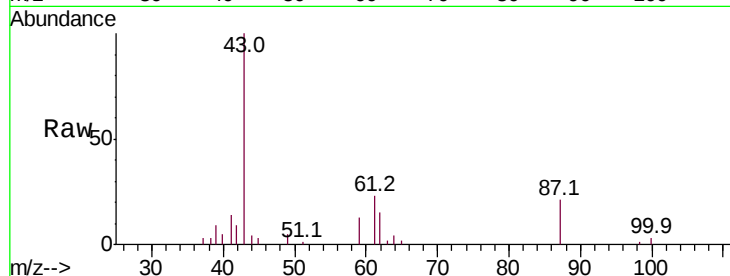
Tot Ion: 43 Resp: 27702

Ion Ratio Lower Upper

43 100

61 39.7 30.4 45.6

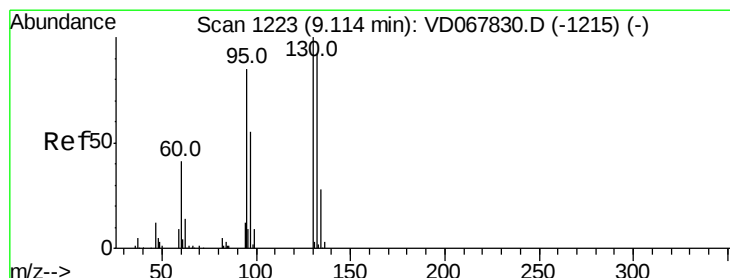
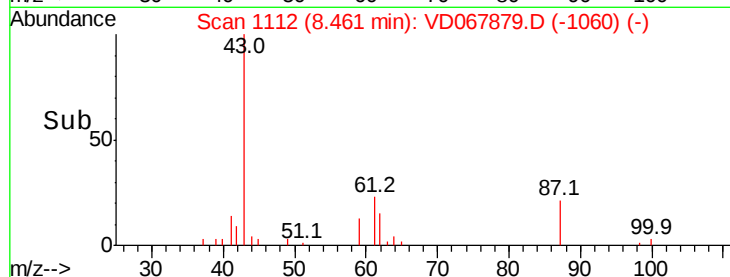
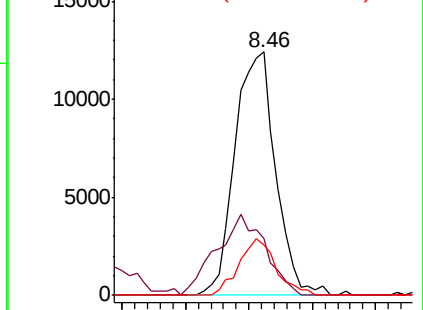
87 21.1 16.2 24.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.086 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067879.D

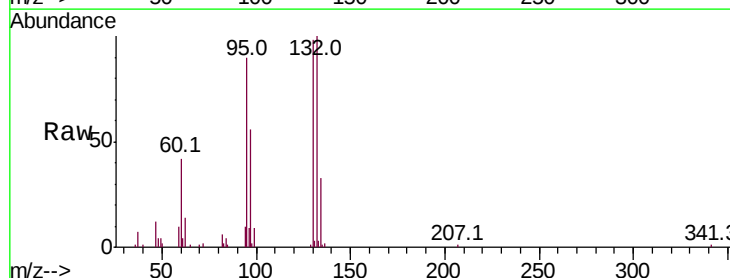
Acq: 04 Dec 2020 12:03

Tgt Ion:130 Resp: 52910

Ion Ratio Lower Upper

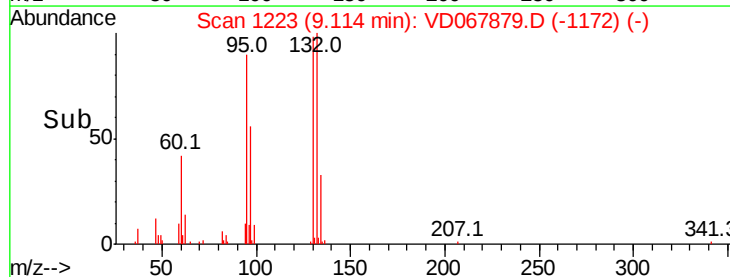
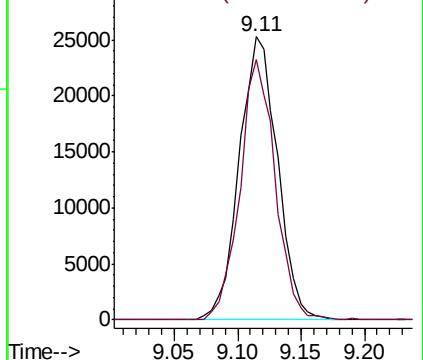
130 100

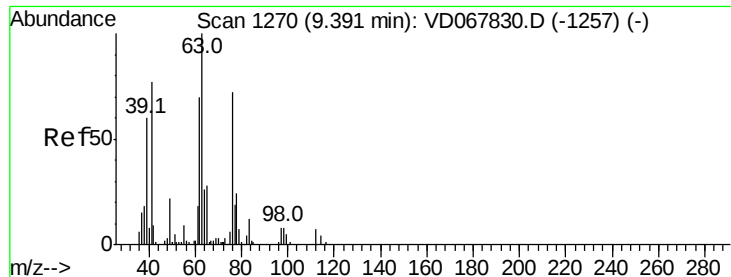
95 91.8 0.0 170.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.427 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

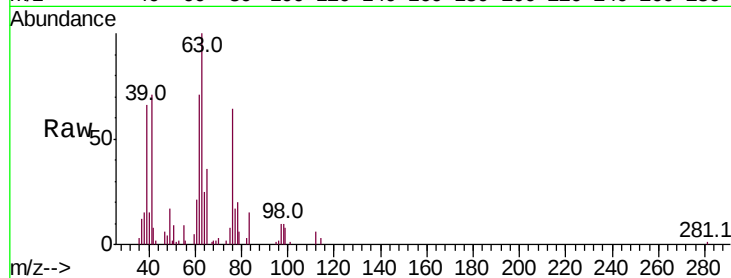
VD1204SBSD01

Tot Ion: 63 Resp: 29100

Ion Ratio Lower Upper

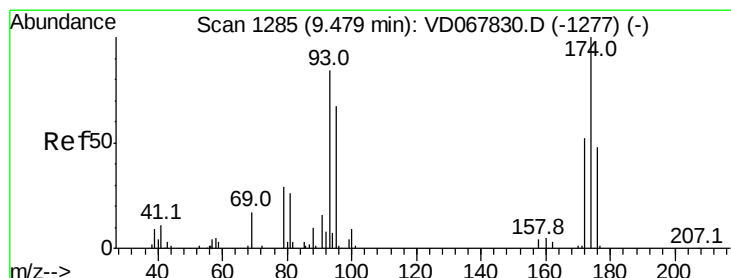
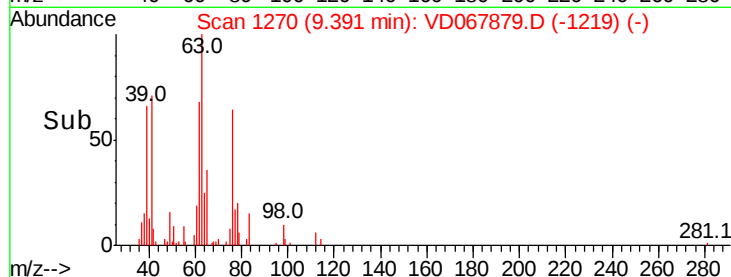
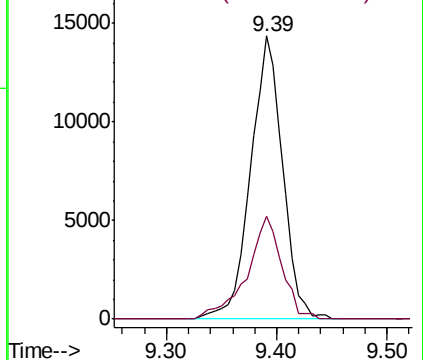
63 100

65 36.3 22.8 34.2#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 19.023 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

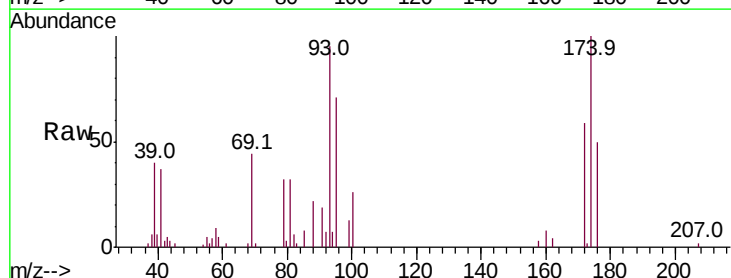
Tgt Ion: 93 Resp: 19812

Ion Ratio Lower Upper

93 100

95 84.7 64.2 96.4

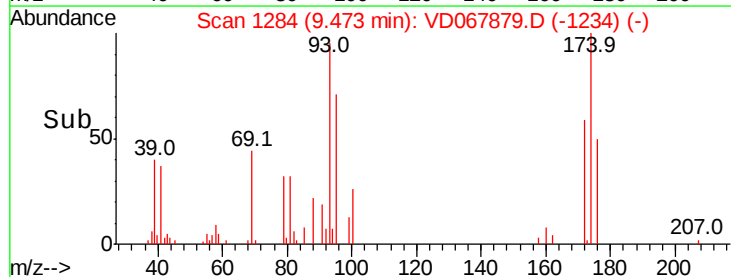
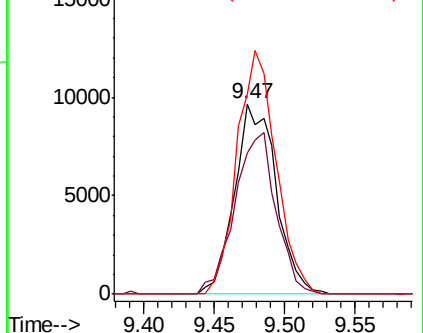
174 121.0 91.5 137.3

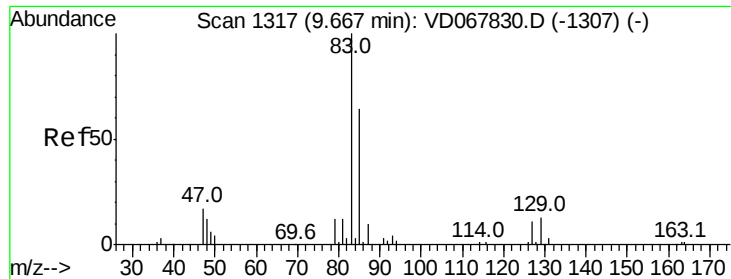


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.687 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

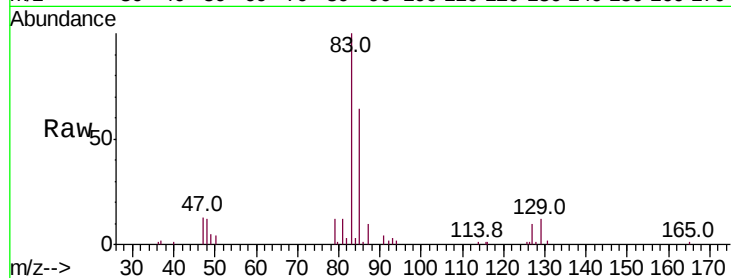
Tot Ion: 83 Resp: 61421

Ion Ratio Lower Upper

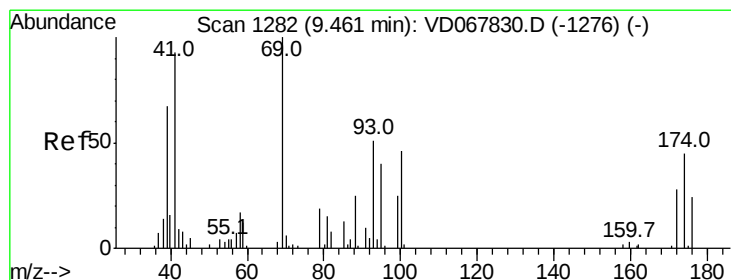
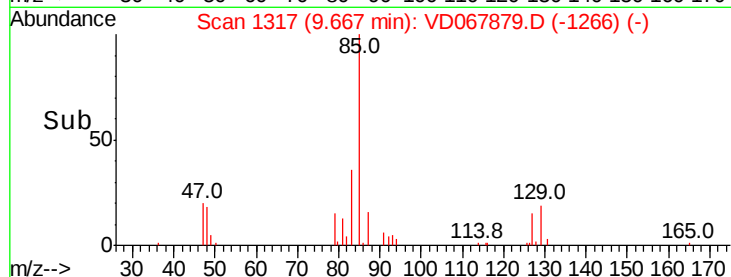
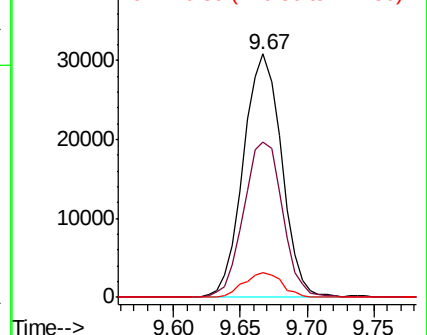
83 100

85 64.0 51.4 77.0

127 9.9 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: 18.617 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

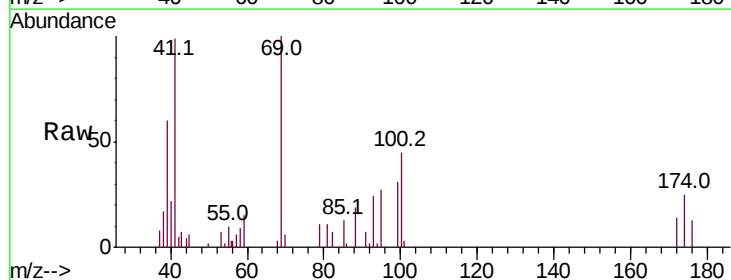
Tgt Ion: 41 Resp: 13371

Ion Ratio Lower Upper

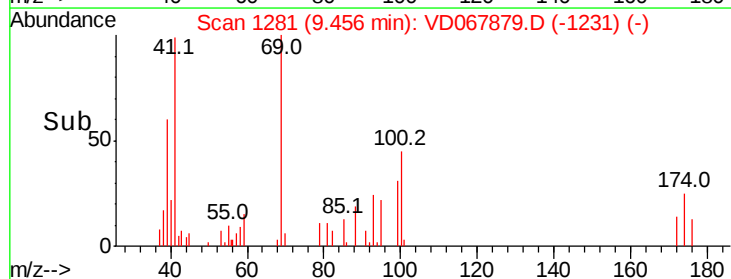
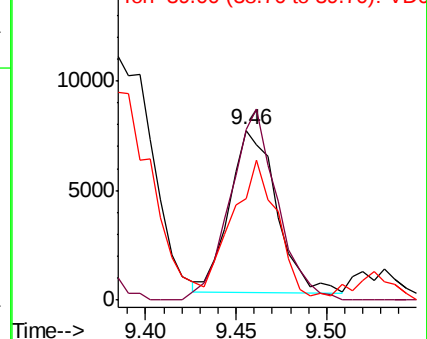
41 100

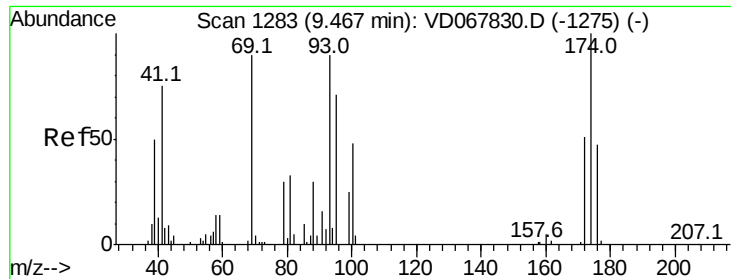
69 117.1 87.6 131.4

39 82.6 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

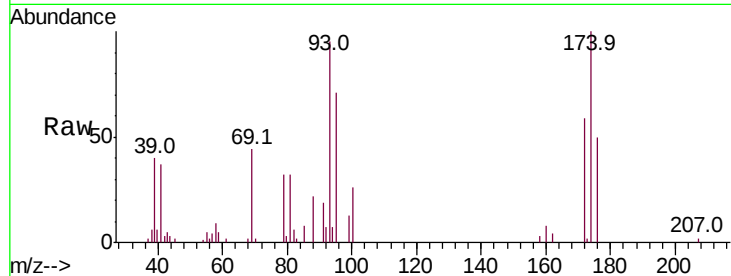




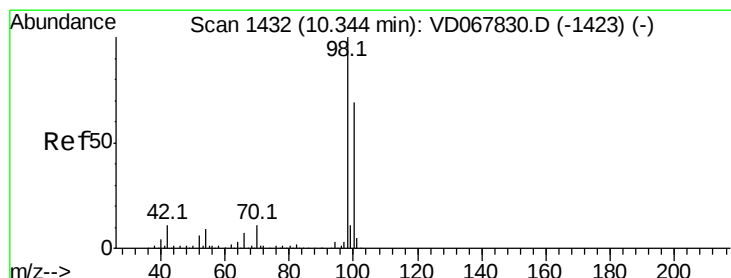
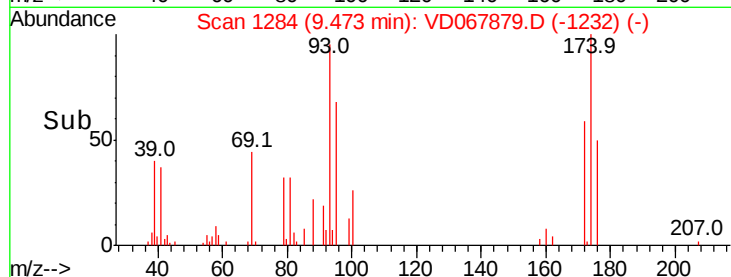
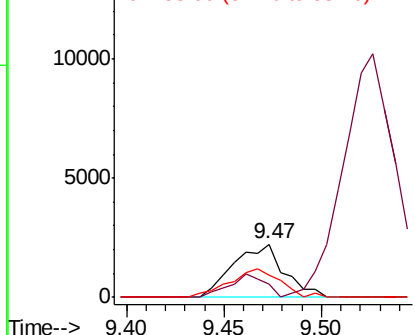
#49
 1,4-Dioxane
 Concen: 335.789 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: VD067879.D
 Acq: 04 Dec 2020 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBSD01

Tot Ion: 88 Resp: 3996
 Ion Ratio Lower Upper
 88 100
 43 30.1 30.1 45.1#
 58 54.0 42.4 63.6

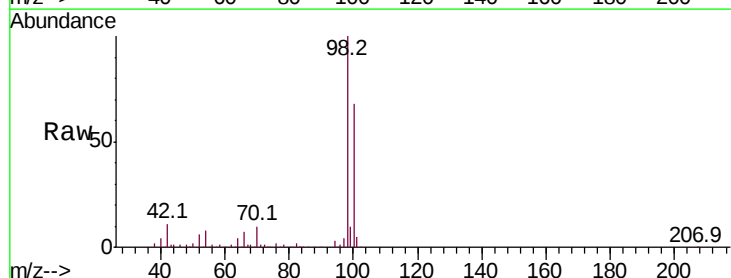


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

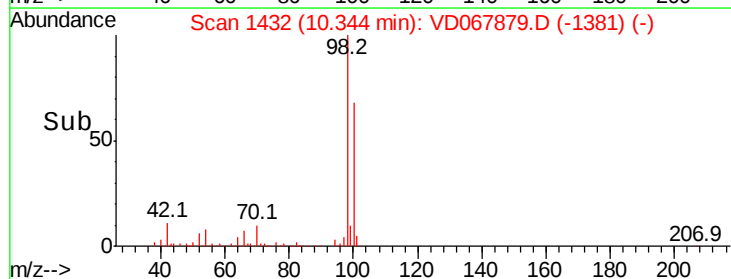
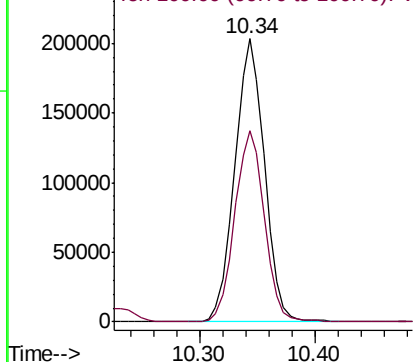


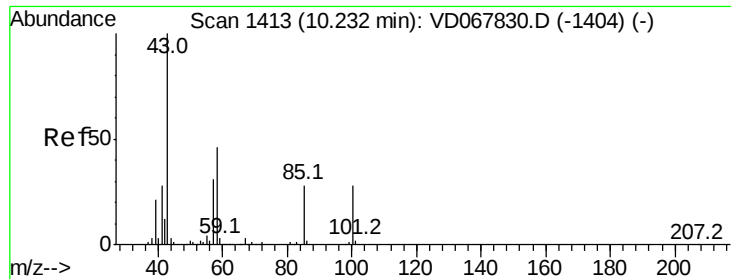
#50
 Toluene-d8
 Concen: 48.800 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD067879.D
 Acq: 04 Dec 2020 12:03

Tgt Ion: 98 Resp: 362173
 Ion Ratio Lower Upper
 98 100
 100 67.4 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: 94.616 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

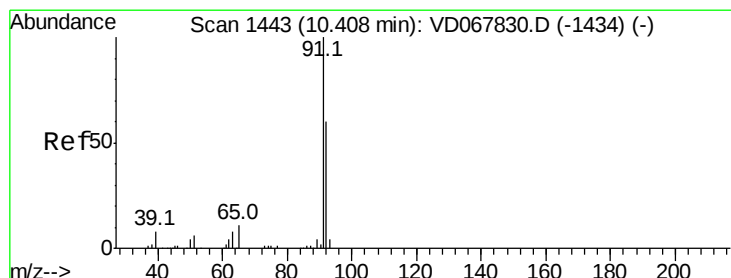
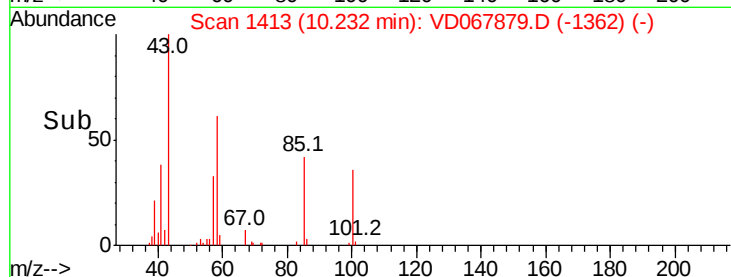
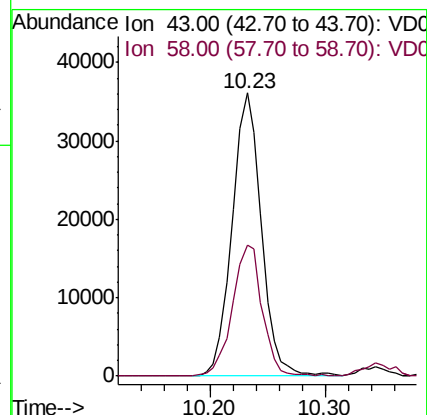
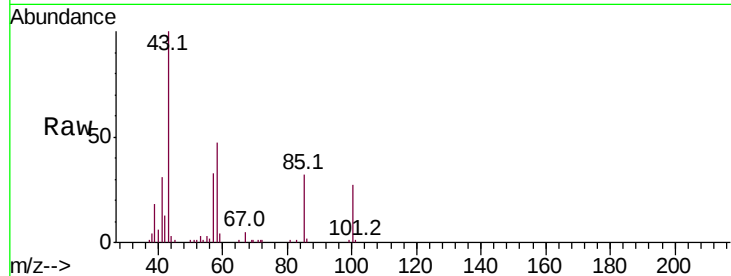
VD1204SBS01

Tot Ion: 43 Resp: 63339

Ion Ratio Lower Upper

43 100

58 47.0 35.7 53.5



#52

Toluene

Concen: 20.154 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067879.D

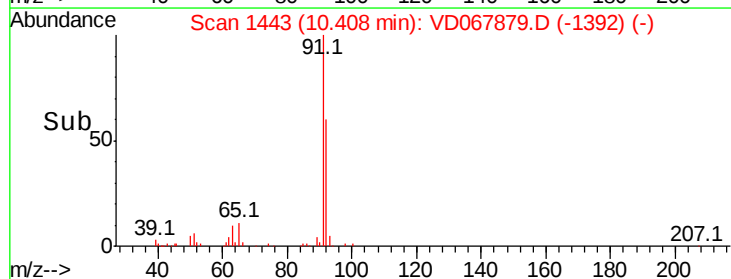
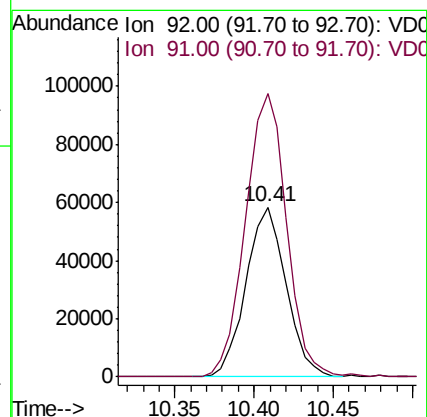
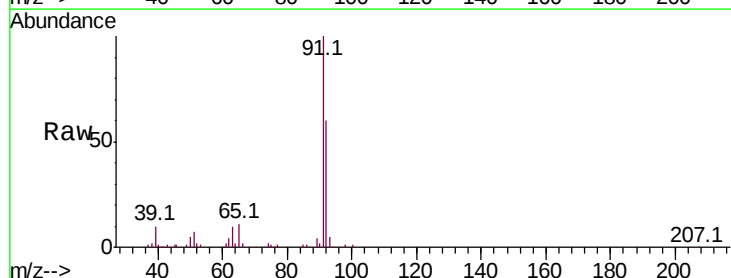
Acq: 04 Dec 2020 12:03

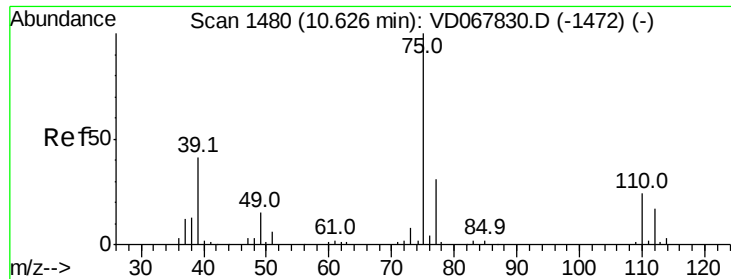
Tgt Ion: 92 Resp: 102839

Ion Ratio Lower Upper

92 100

91 171.8 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 20.501 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

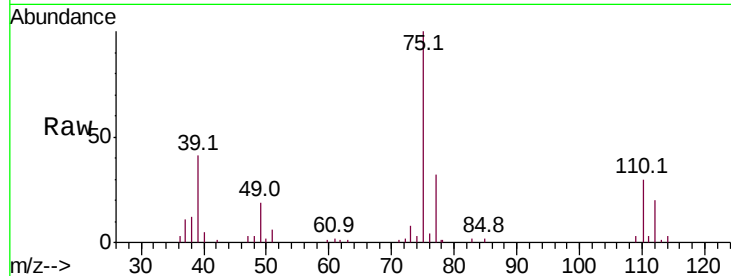
VD1204SBSD01

Tot Ion: 75 Resp: 52538

Ion Ratio Lower Upper

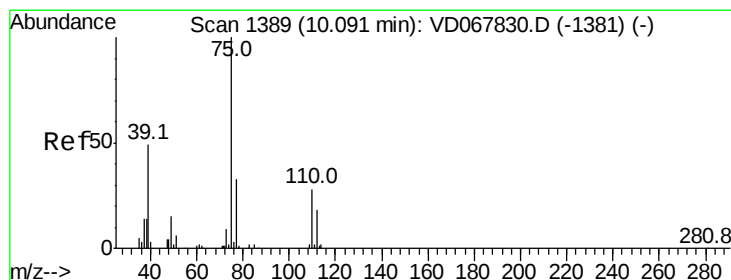
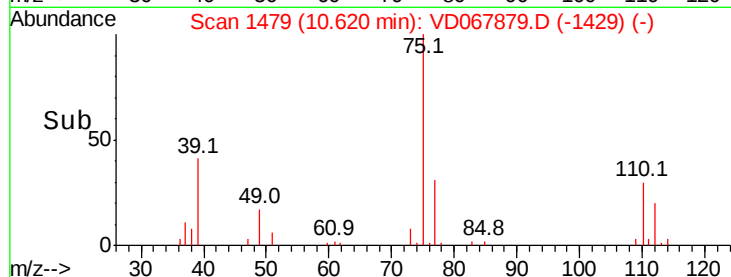
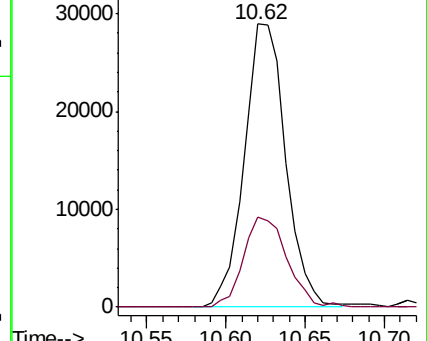
75 100

77 31.8 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.920 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

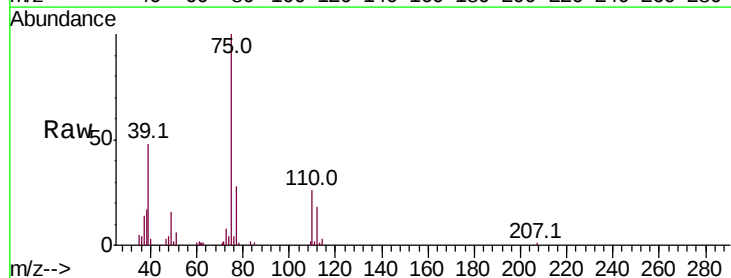
Tgt Ion: 75 Resp: 58313

Ion Ratio Lower Upper

75 100

77 28.1 26.2 39.2

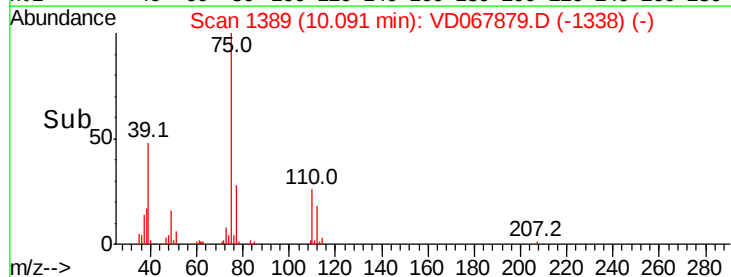
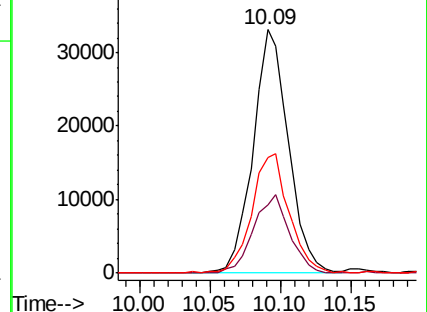
39 46.7 39.0 58.4

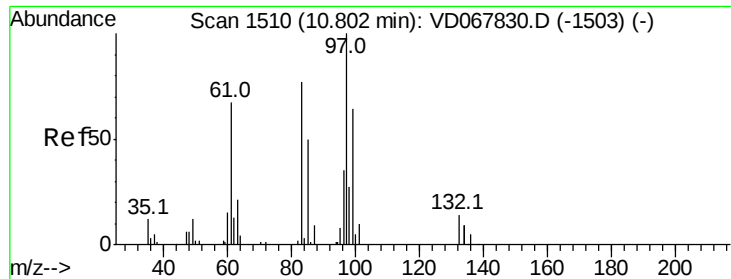


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 18.339 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBSD01

Tot Ion: 97 Resp: 26138

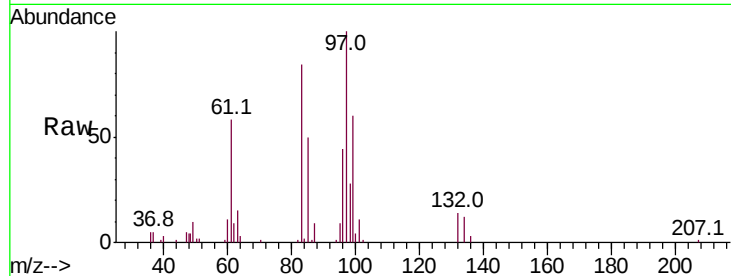
Ion Ratio Lower Upper

97 100

83 84.3 61.9 92.9

85 50.0 40.2 60.4

99 59.9 51.0 76.6



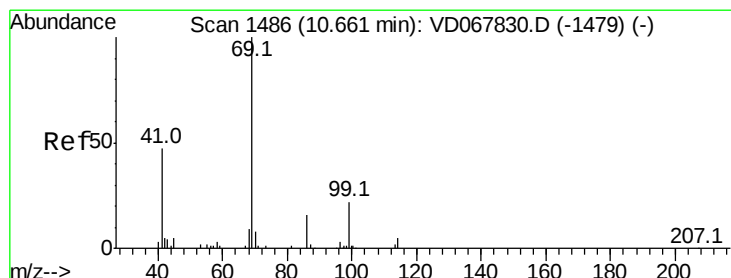
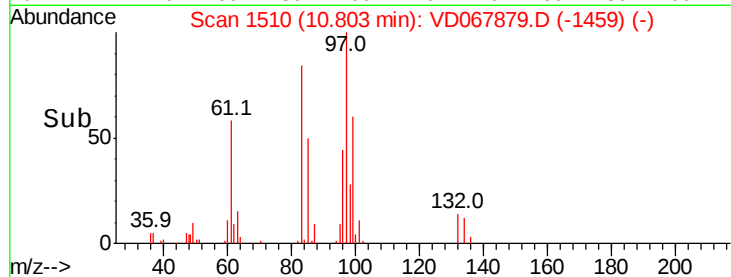
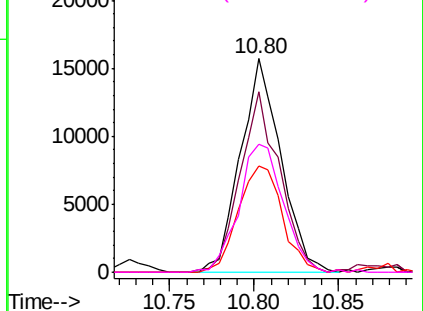
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 19.390 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

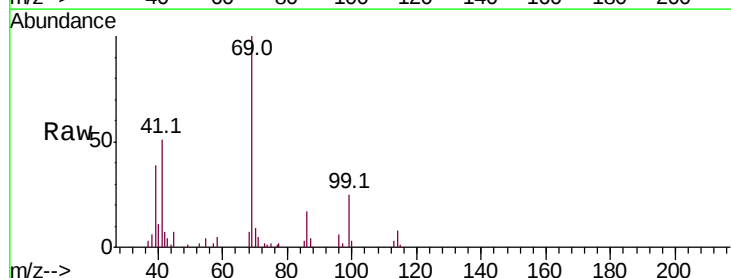
Tgt Ion: 69 Resp: 28118

Ion Ratio Lower Upper

69 100

41 52.8 42.8 64.2

39 35.8 30.5 45.7

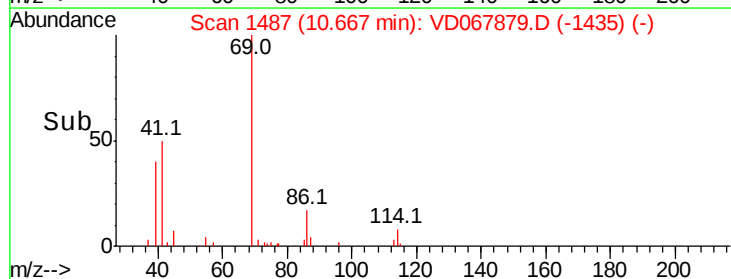
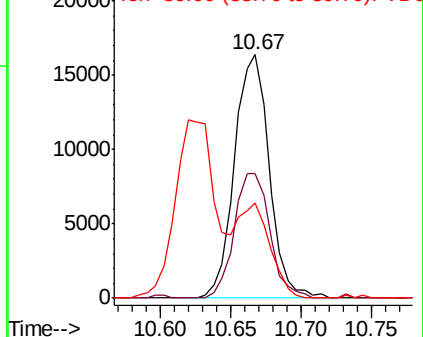


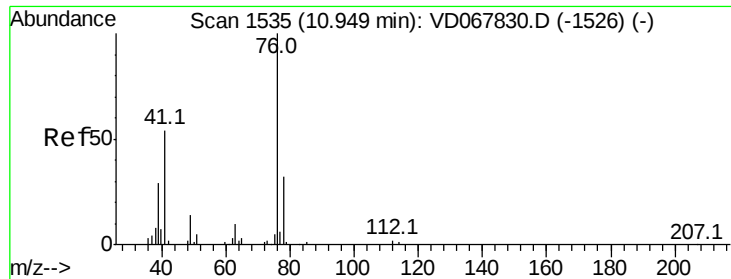
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 19.706 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

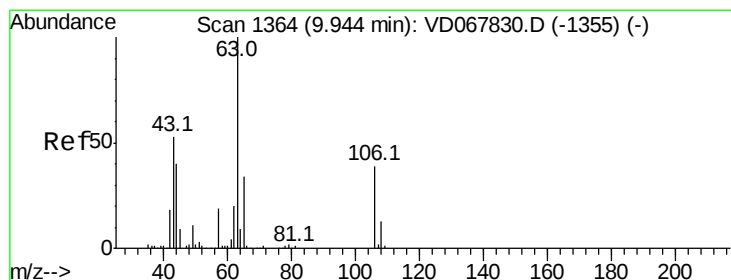
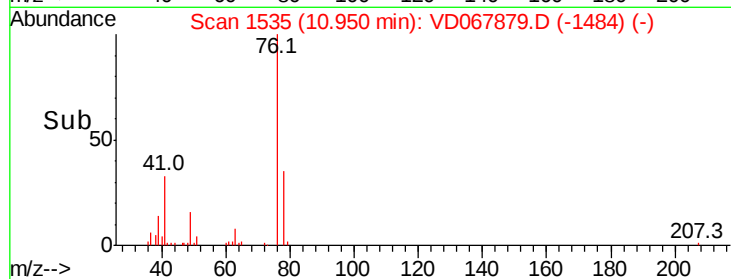
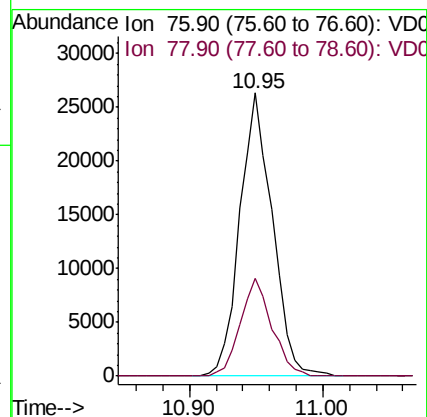
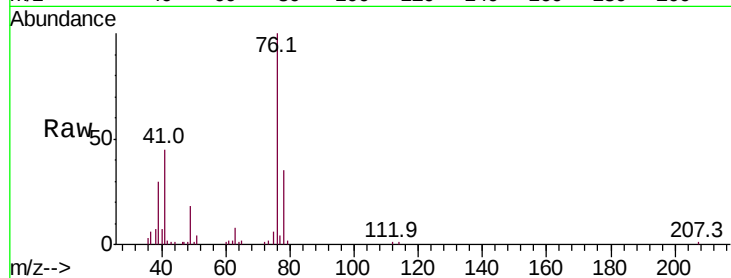
VD1204SBS01

Tot Ion: 76 Resp: 44490

Ion Ratio Lower Upper

76 100

78 33.5 26.6 39.8



#58

2-Chloroethyl Vinyl ether

Concen: 87.983 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067879.D

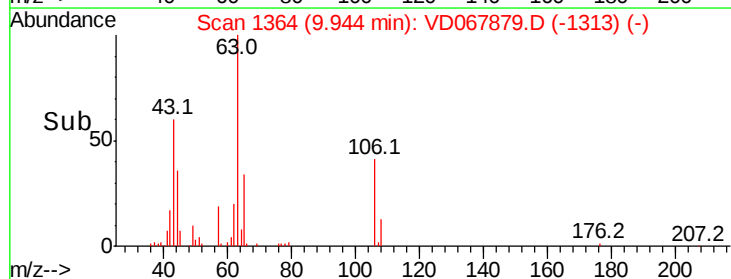
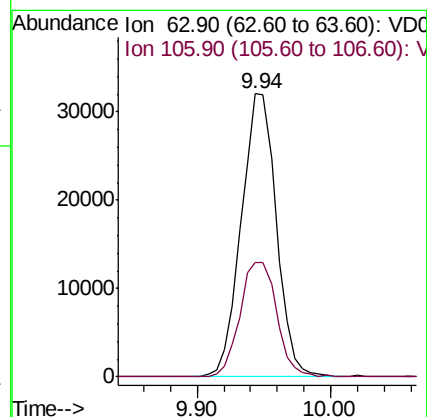
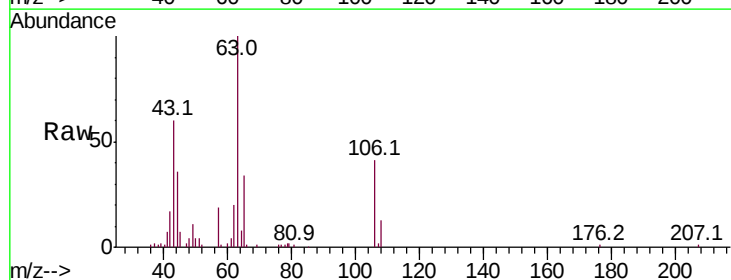
Acq: 04 Dec 2020 12:03

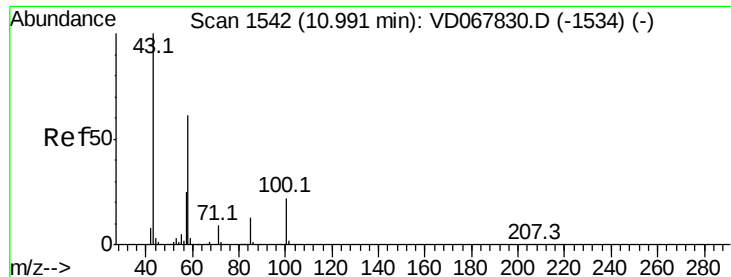
Tgt Ion: 63 Resp: 58056

Ion Ratio Lower Upper

63 100

106 42.7 32.0 48.0

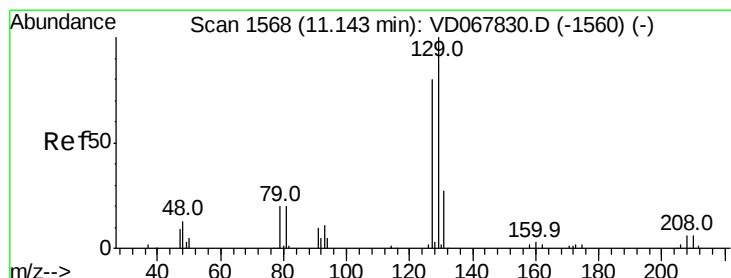
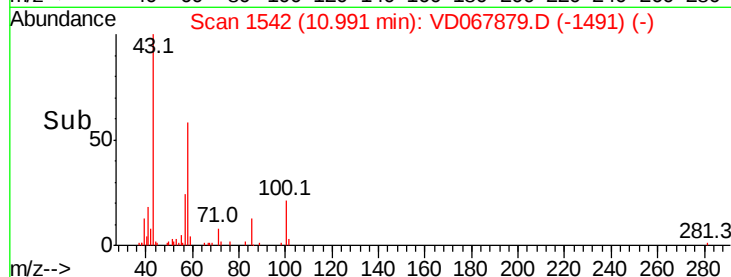
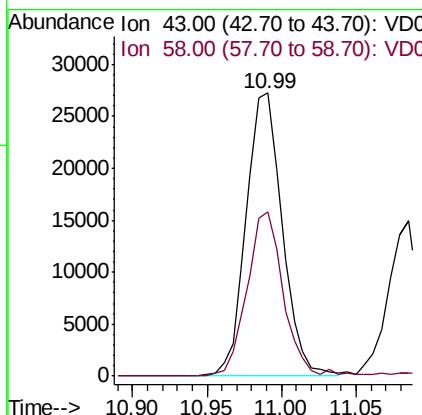
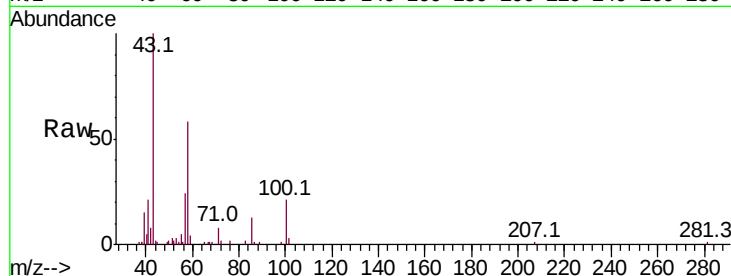




#59
2-Hexanone
Concen: 96.800 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067879.D
Acq: 04 Dec 2020 12:03

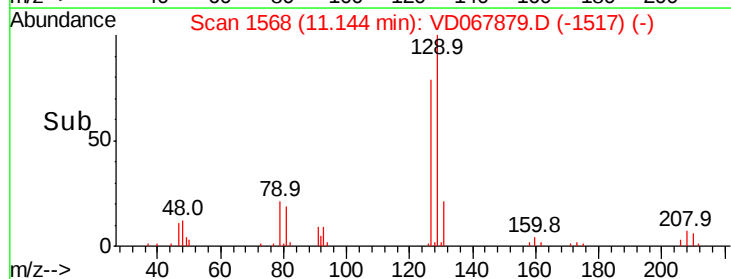
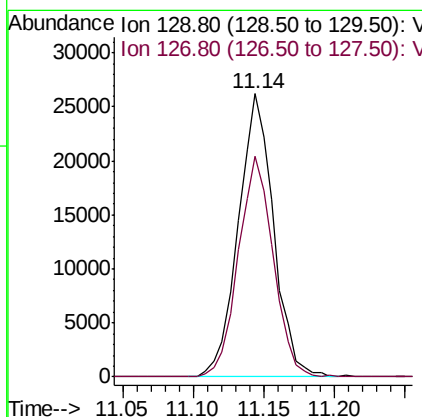
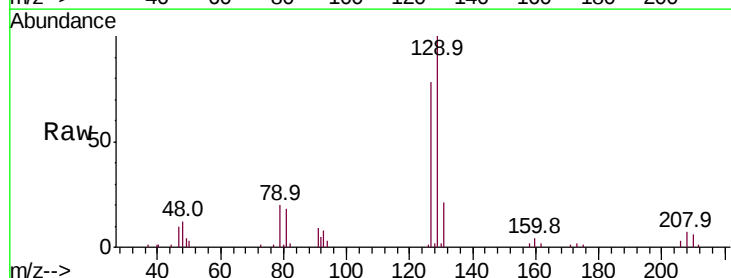
Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

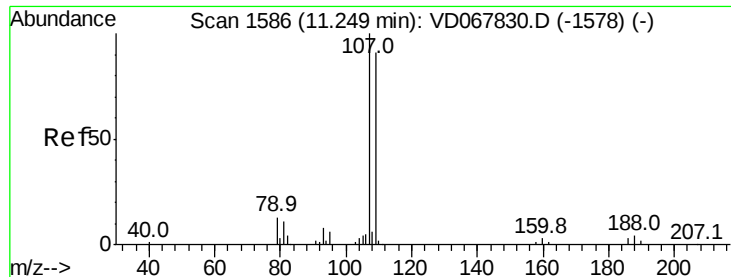
Tot Ion: 43 Resp: 45681
Ion Ratio Lower Upper
43 100
58 57.2 29.9 89.7



#60
Dibromochloromethane
Concen: 21.251 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067879.D
Acq: 04 Dec 2020 12:03

Tgt Ion: 129 Resp: 45656
Ion Ratio Lower Upper
129 100
127 77.2 39.2 117.6

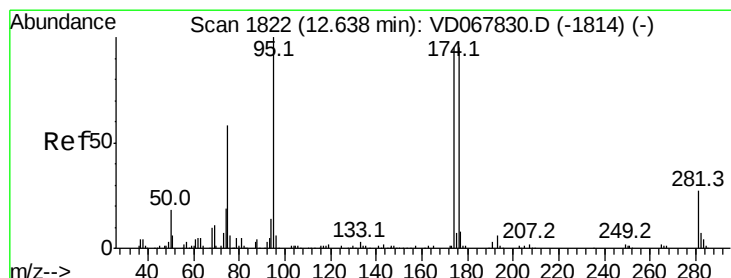
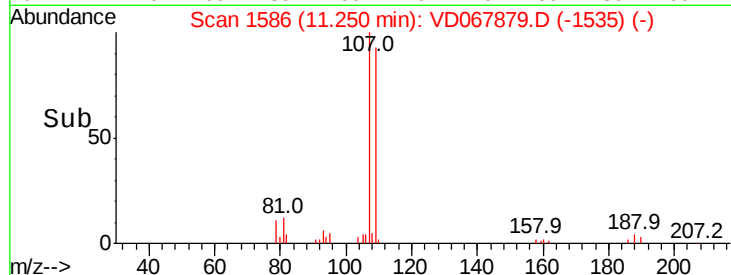
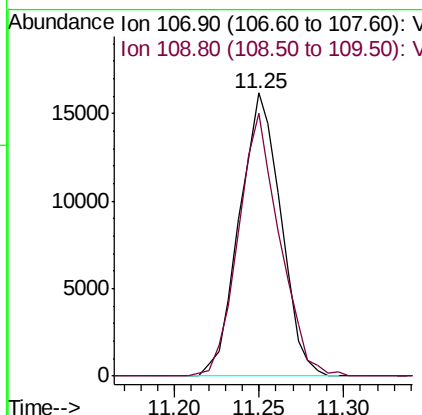
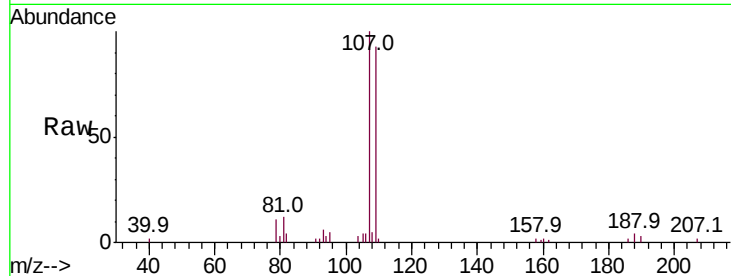




#61
 1,2-Dibromoethane
 Concen: 19.709 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067879.D
 Acq: 04 Dec 2020 12:03

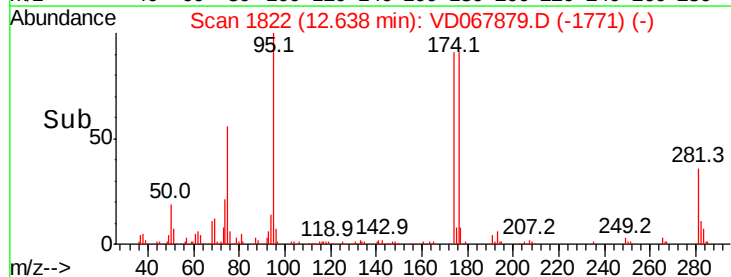
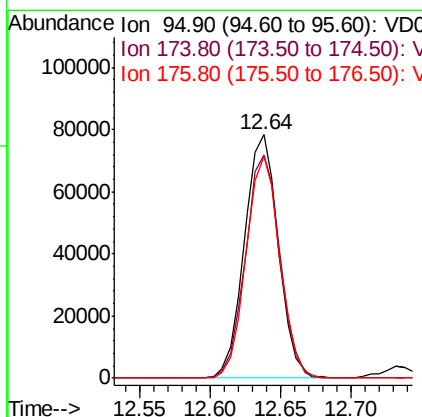
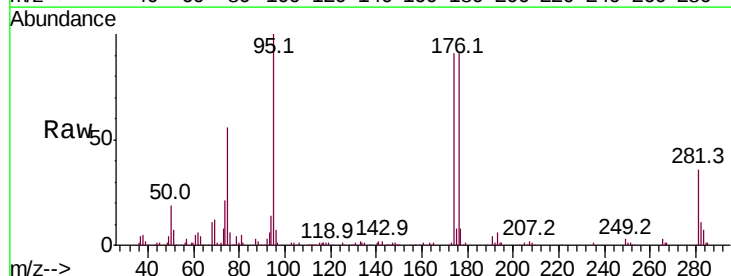
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBSD01

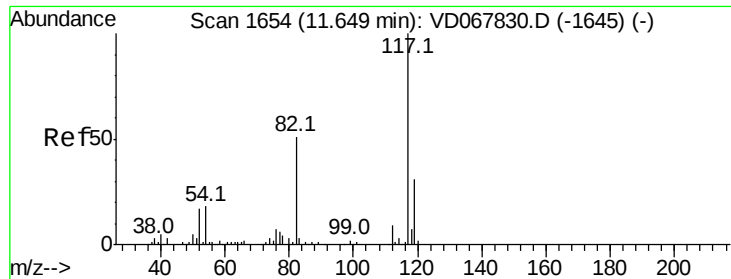
Tot Ion:107 Resp: 27624
 Ion Ratio Lower Upper
 107 100
 109 92.8 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 51.493 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067879.D
 Acq: 04 Dec 2020 12:03

Tgt Ion: 95 Resp: 132121
 Ion Ratio Lower Upper
 95 100
 174 93.1 0.0 186.0
 176 90.4 0.0 184.2

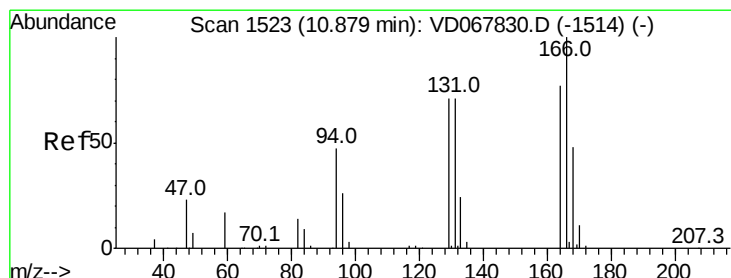
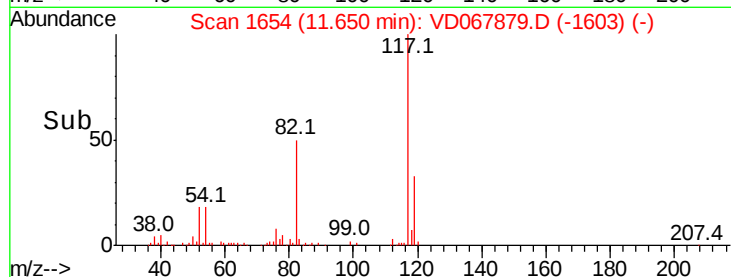
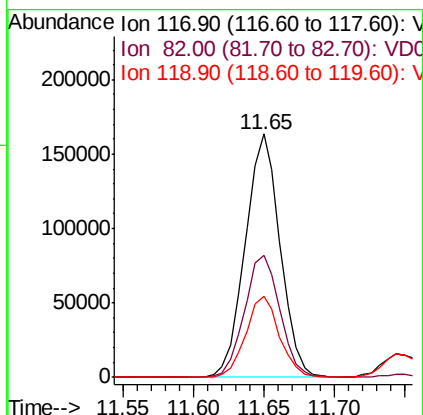
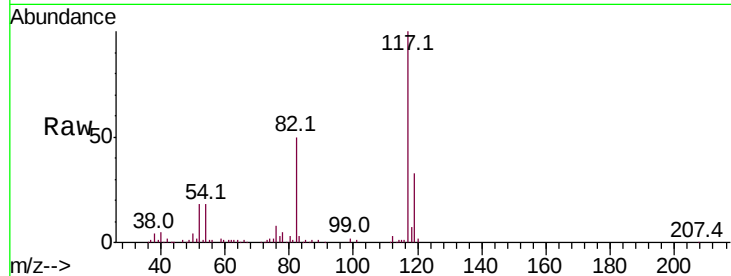




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067879.D
Acq: 04 Dec 2020 12:03

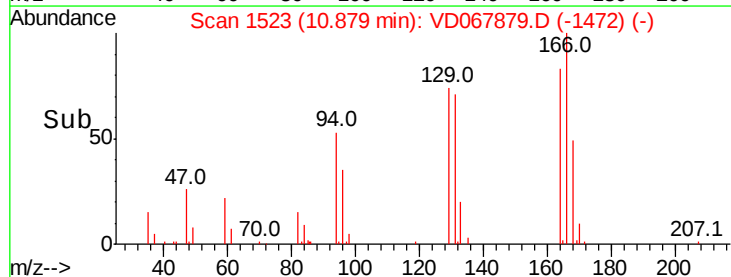
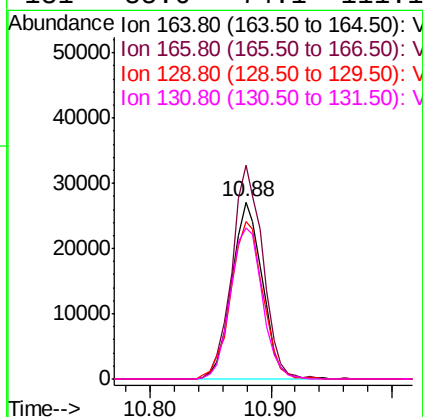
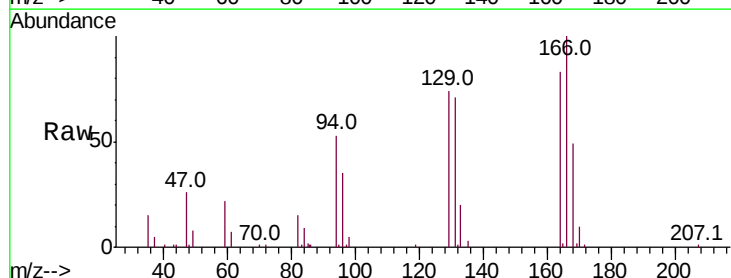
Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

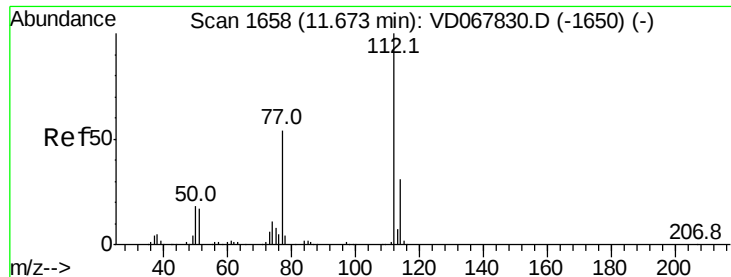
Tot Ion:117 Resp: 282783
Ion Ratio Lower Upper
117 100
82 50.1 40.6 60.8
119 33.2 25.1 37.7



#64
Tetrachloroethene
Concen: 20.816 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067879.D
Acq: 04 Dec 2020 12:03

Tgt Ion:164 Resp: 48015
Ion Ratio Lower Upper
164 100
166 120.8 103.8 155.6
129 88.9 73.3 109.9
131 85.6 74.1 111.1

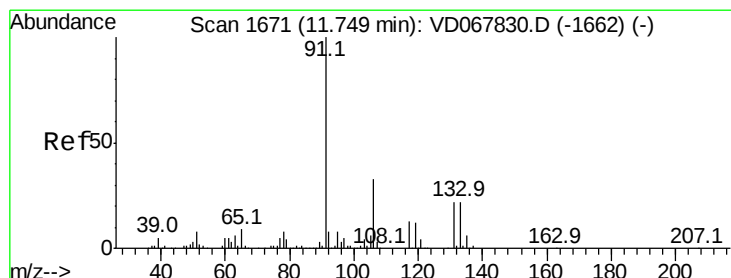
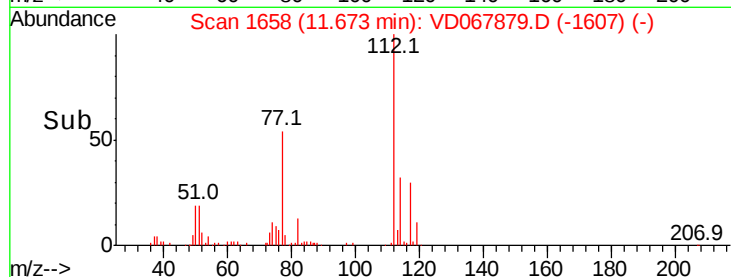
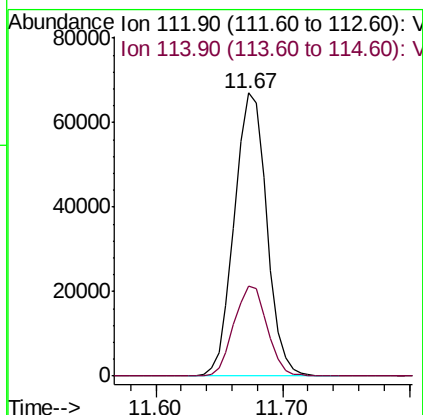
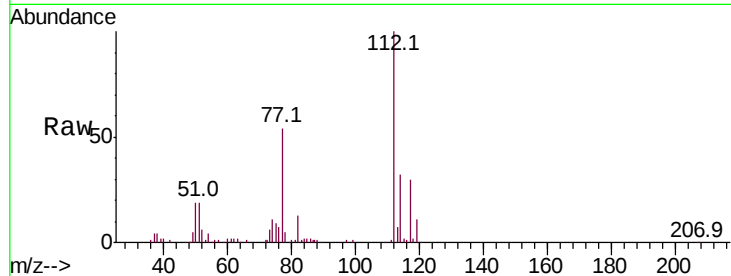




#65
Chlorobenzene
Concen: 20.400 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067879.D
Acq: 04 Dec 2020 12:03

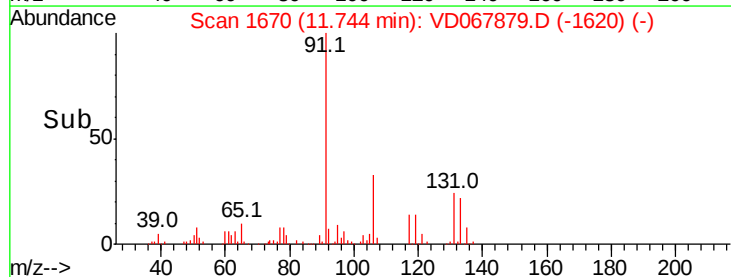
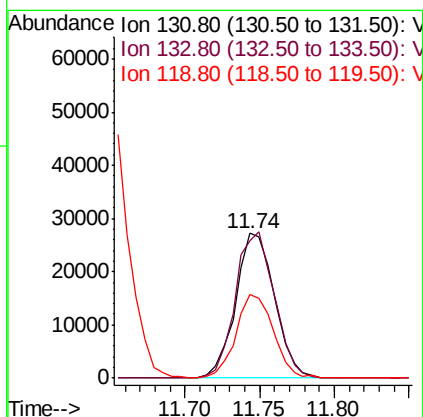
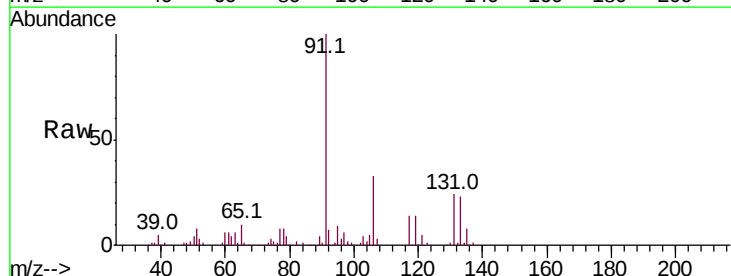
Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

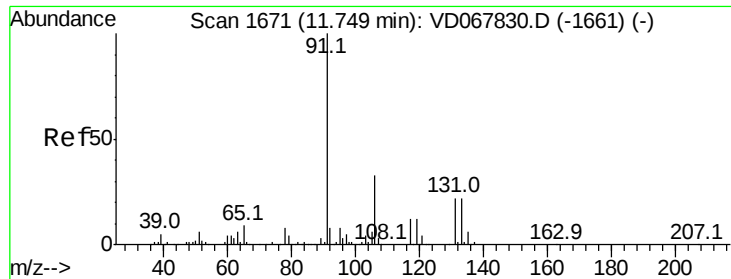
Tot Ion:112 Resp: 119032
Ion Ratio Lower Upper
112 100
114 31.6 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.737 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067879.D
Acq: 04 Dec 2020 12:03

Tgt Ion:131 Resp: 49352
Ion Ratio Lower Upper
131 100
133 101.0 49.9 149.7
119 55.3 29.6 88.9





#67

Ethyl Benzene

Concen: 20.900 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

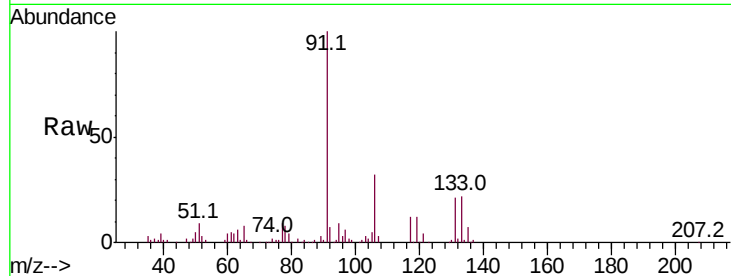
VD1204SBS01

Tot Ion: 91 Resp: 207745

Ion Ratio Lower Upper

91 100

106 31.6 26.2 39.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC

200000

150000

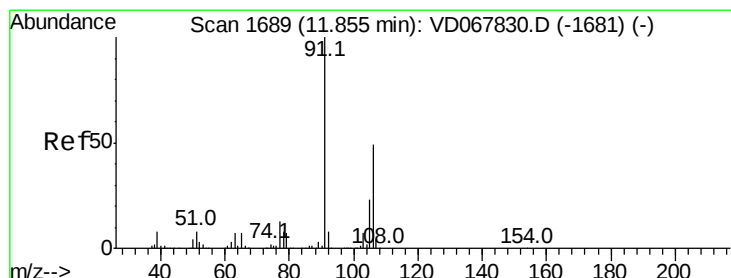
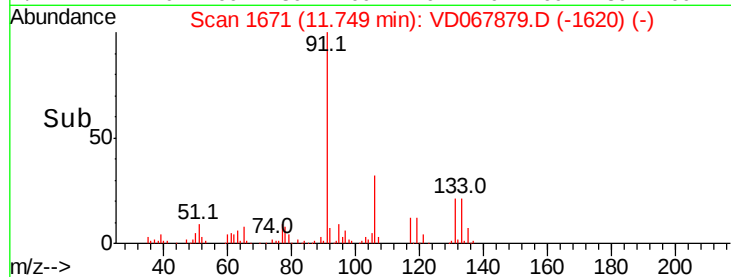
100000

50000

0

11.65 11.70 11.75 11.80

Time-->



#68

m/p-Xylenes

Concen: 41.778 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067879.D

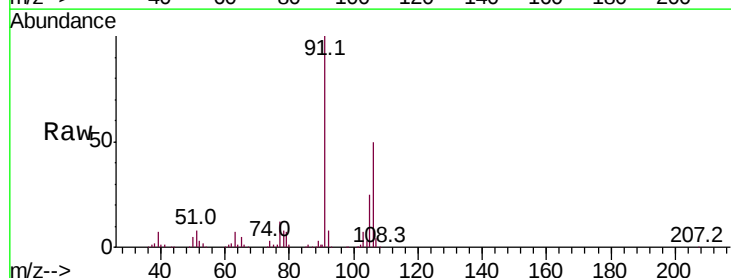
Acq: 04 Dec 2020 12:03

Tgt Ion: 106 Resp: 163743

Ion Ratio Lower Upper

106 100

91 202.5 162.8 244.2



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

200000

150000

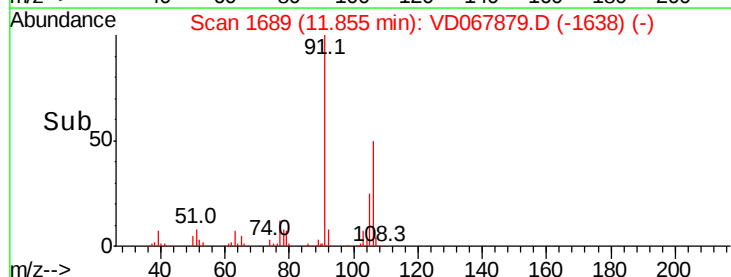
100000

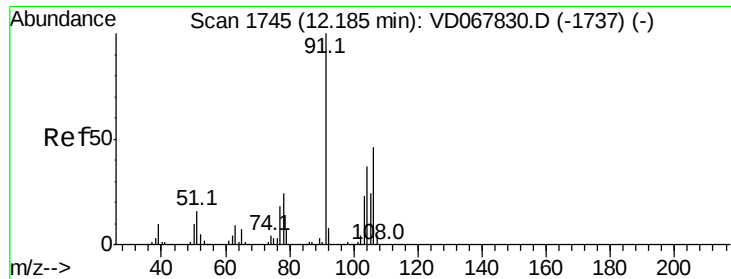
50000

0

11.80 11.85 11.90

Time-->

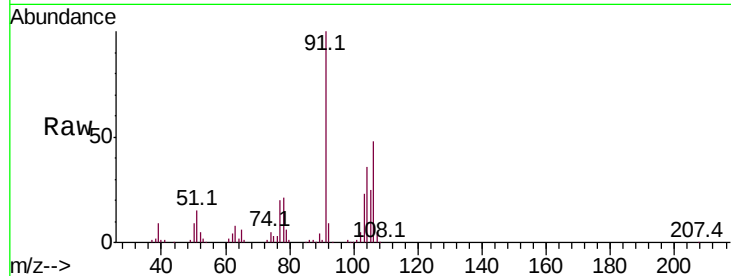




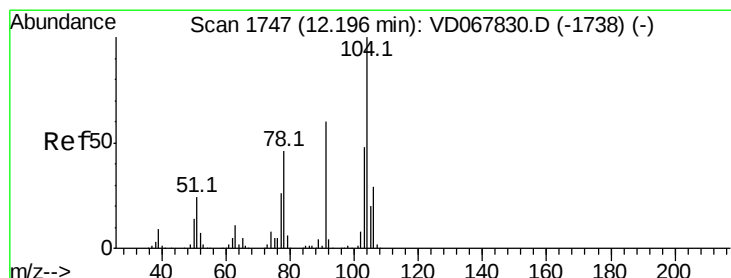
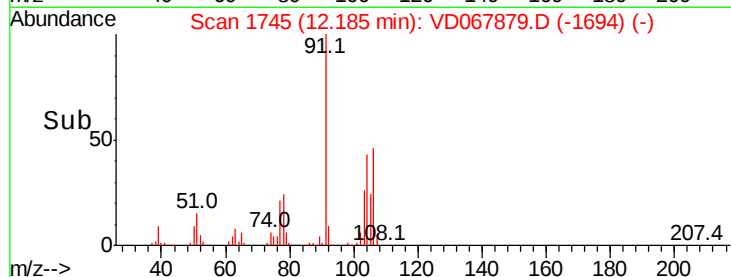
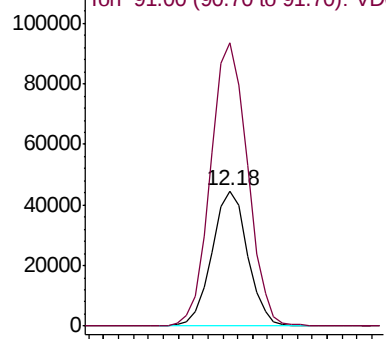
#69
o-Xylene
Concen: 21.207 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067879.D
Acq: 04 Dec 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

Tot Ion:106 Resp: 73790
Ion Ratio Lower Upper
106 100
91 217.4 107.5 322.5

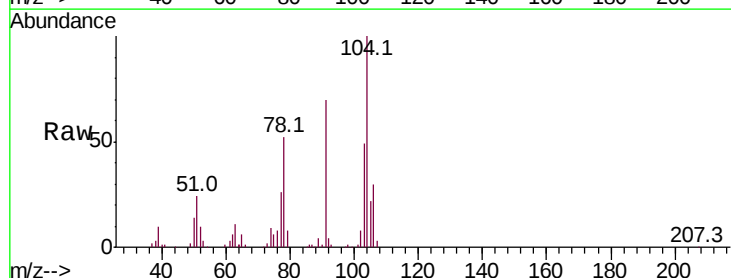


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

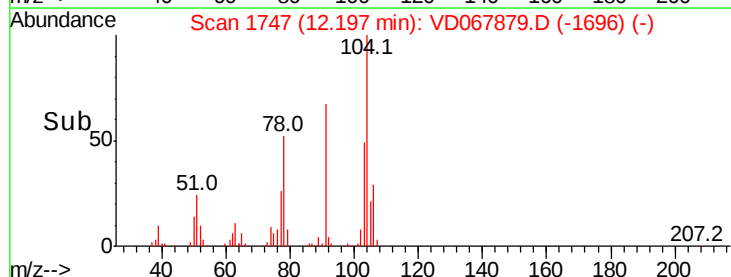
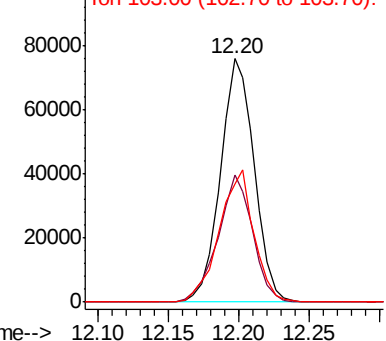


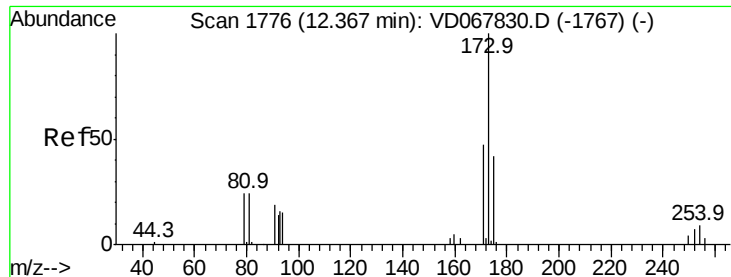
#70
Styrene
Concen: 21.056 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067879.D
Acq: 04 Dec 2020 12:03

Tgt Ion:104 Resp: 127395
Ion Ratio Lower Upper
104 100
78 53.4 41.6 62.4
103 55.9 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

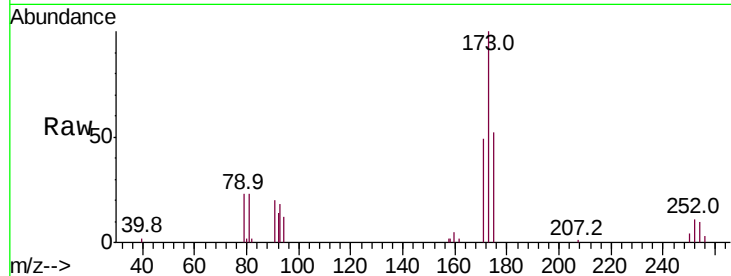




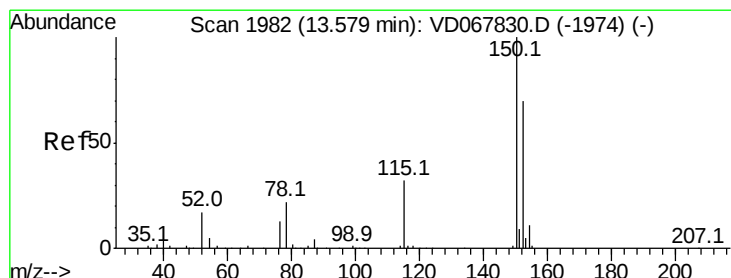
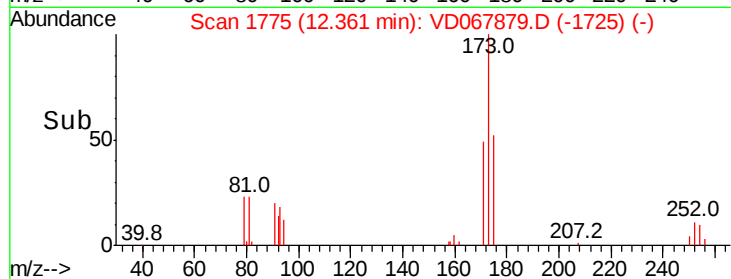
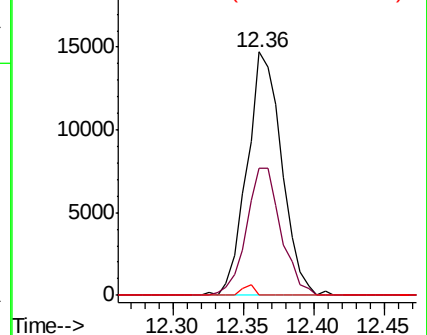
#71
Bromoform
Concen: 20.124 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD067879.D
Acq: 04 Dec 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

Tot Ion:173 Resp: 25351
Ion Ratio Lower Upper
173 100
175 51.9 23.4 70.3
254 1.5 0.1 0.1#

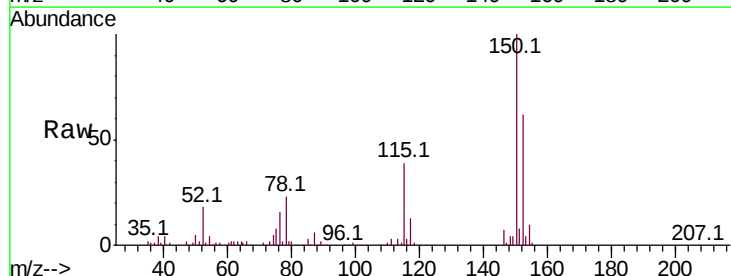


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

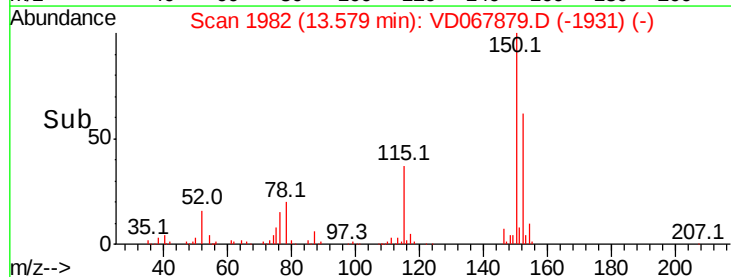
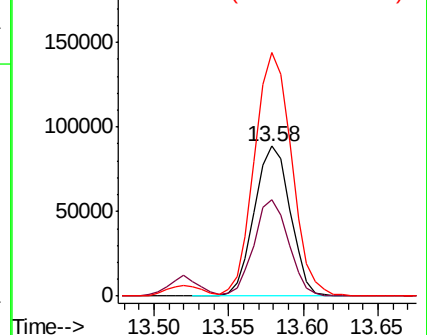


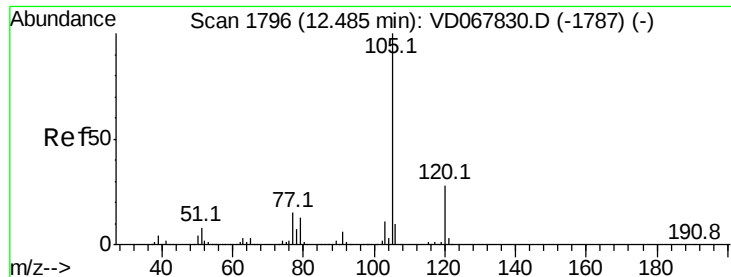
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067879.D
Acq: 04 Dec 2020 12:03

Tgt Ion:152 Resp: 147617
Ion Ratio Lower Upper
152 100
115 62.0 29.1 87.4
150 167.9 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: 20.841 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

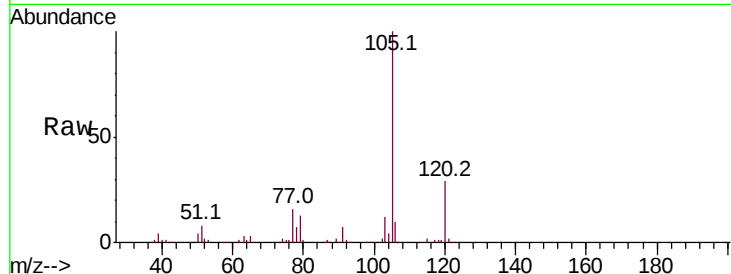
VD1204SBS01

Tot Ion:105 Resp: 211567

Ion Ratio Lower Upper

105 100

120 27.1 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

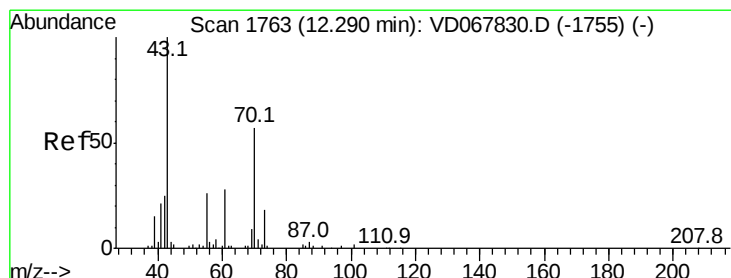
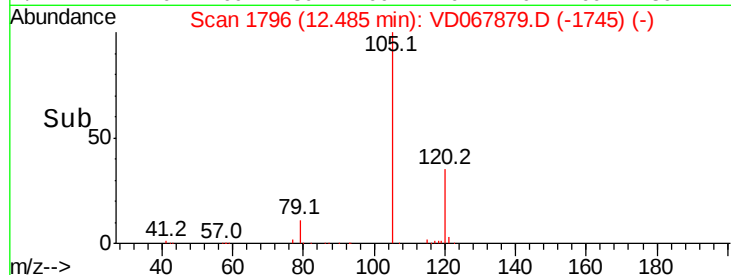
120000

50000

0

12.40 12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 19.413 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

Tgt Ion: 43 Resp: 24377

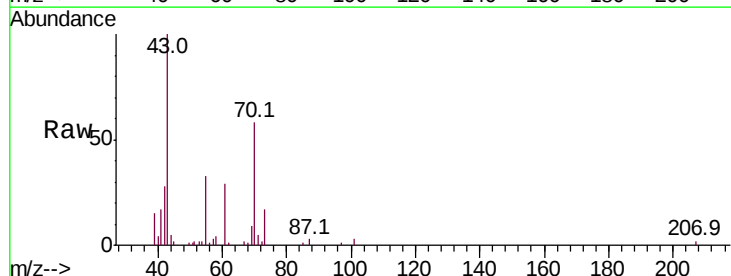
Ion Ratio Lower Upper

43 100

70 56.4 44.6 66.8

55 30.0 22.2 33.2

61 28.5 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

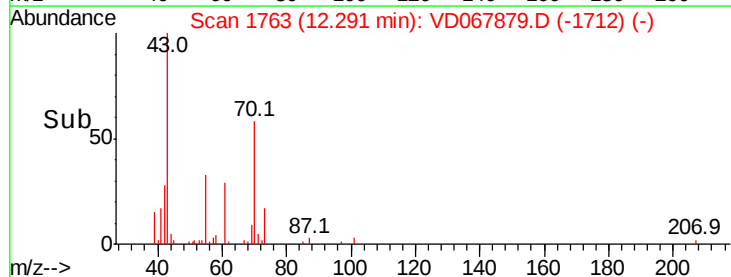
10000

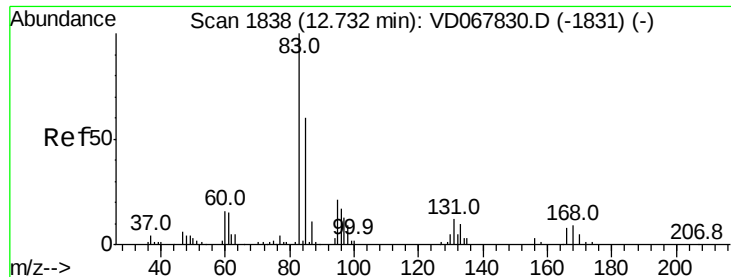
5000

0

12.20 12.25 12.30 12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.654 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBSD01

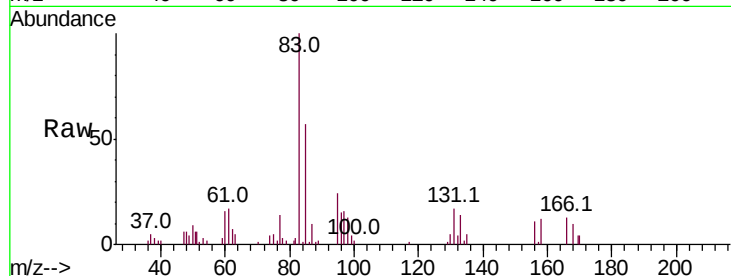
Tot Ion: 83 Resp: 25001

Ion Ratio Lower Upper

83 100

131 16.7 8.0 24.0

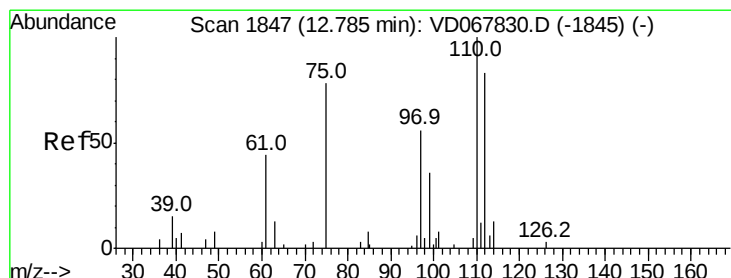
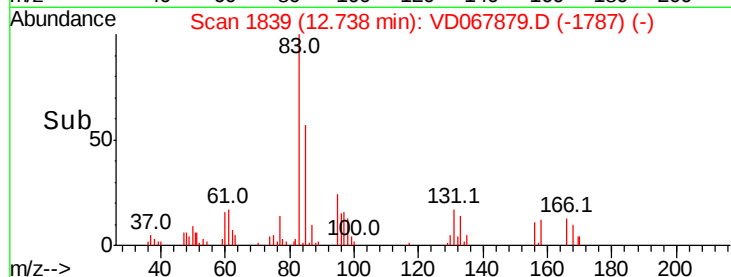
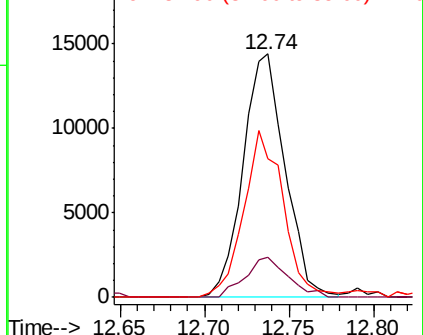
85 64.2 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 35.706 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD067879.D

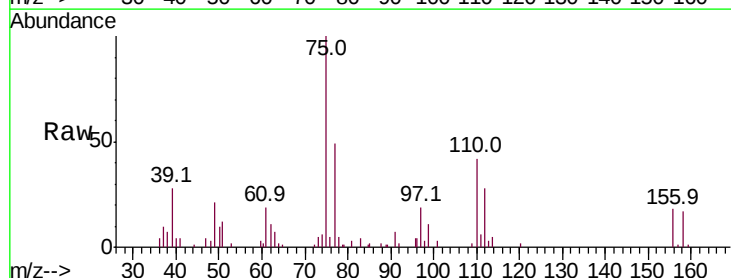
Acq: 04 Dec 2020 12:03

Tgt Ion: 75 Resp: 38384

Ion Ratio Lower Upper

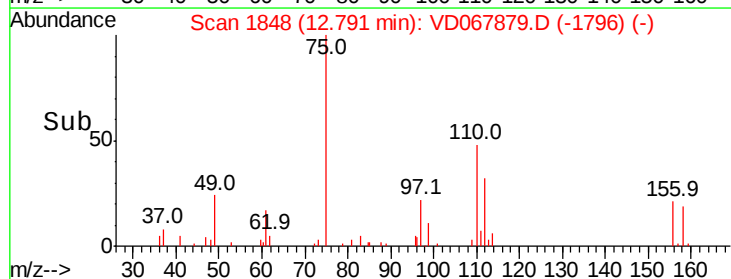
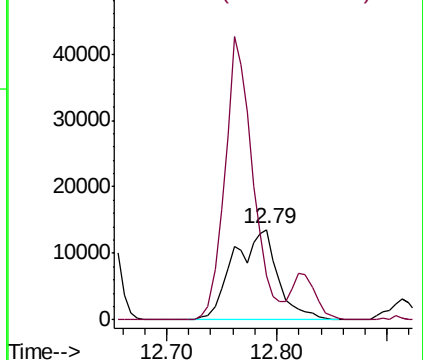
75 100

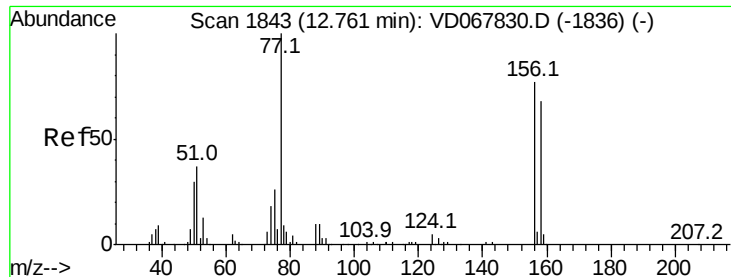
77 0.0 175.9 527.7#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.904 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBSD01

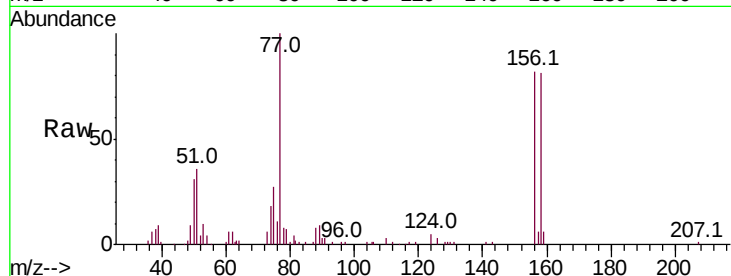
Tot Ion:156 Resp: 52758

Ion Ratio Lower Upper

156 100

77 144.3 71.5 214.5

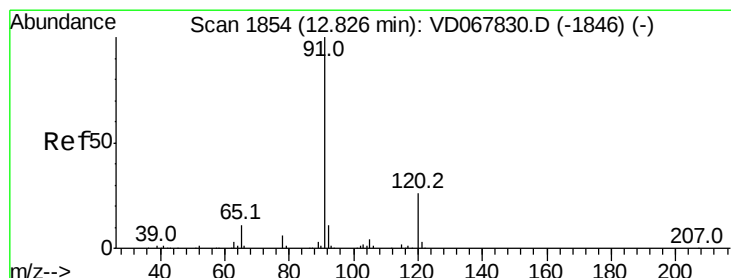
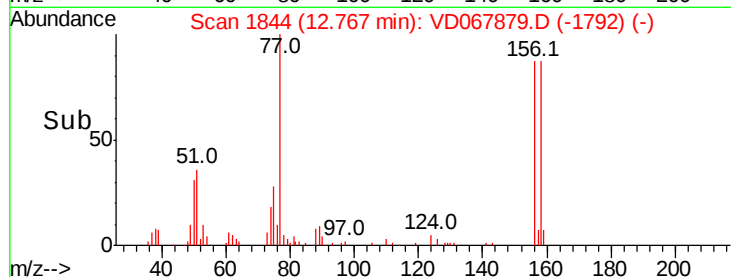
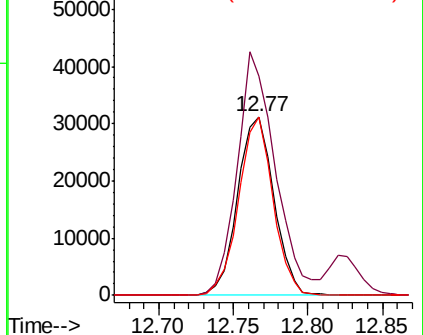
158 94.1 47.1 141.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.824 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VD067879.D

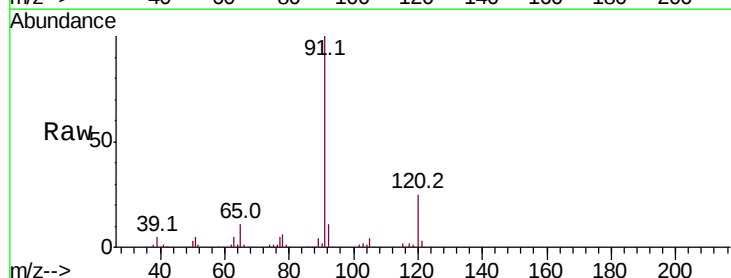
Acq: 04 Dec 2020 12:03

Tgt Ion: 91 Resp: 234304

Ion Ratio Lower Upper

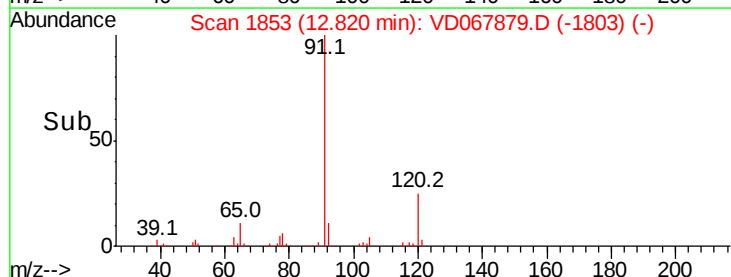
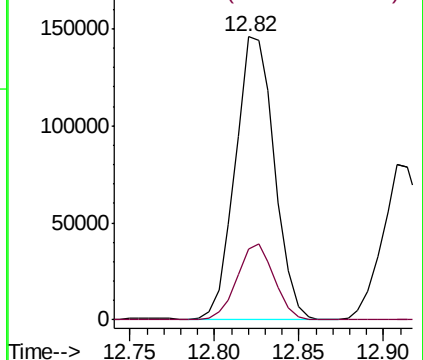
91 100

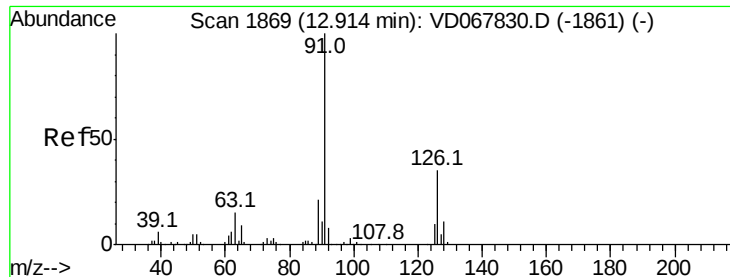
120 25.5 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

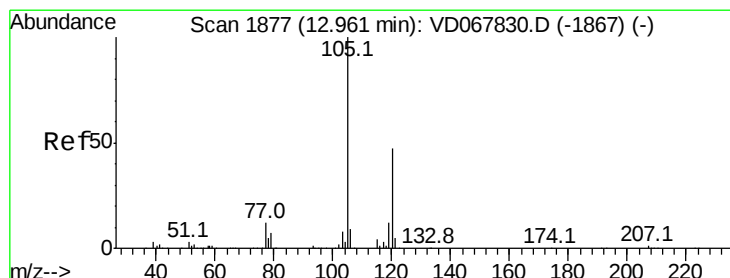
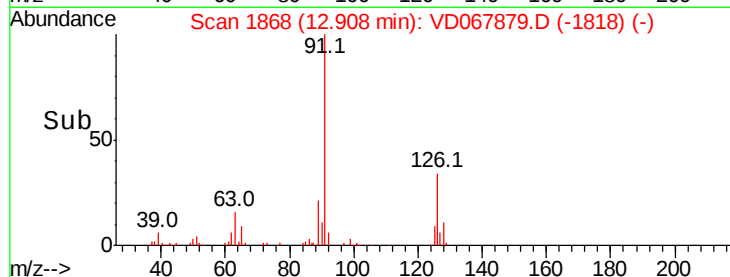
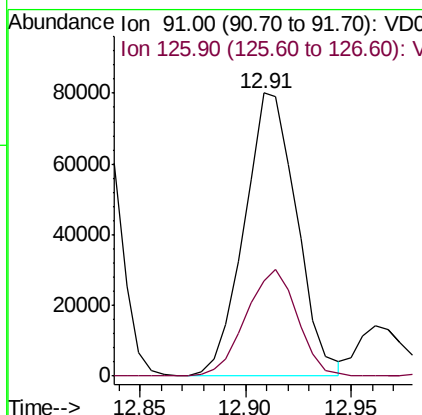
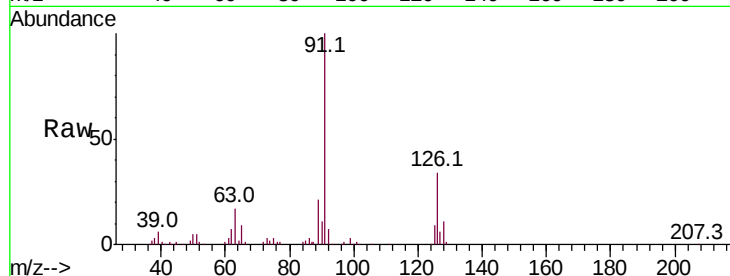




#79
 2-Chlorotoluene
 Concen: 20.825 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VD067879.D
 Acq: 04 Dec 2020 12:03

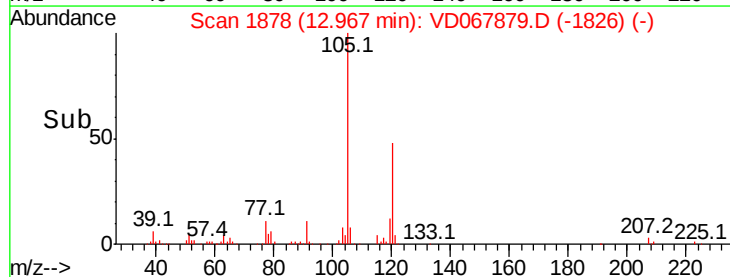
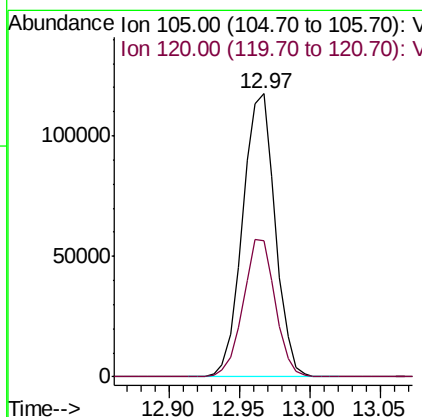
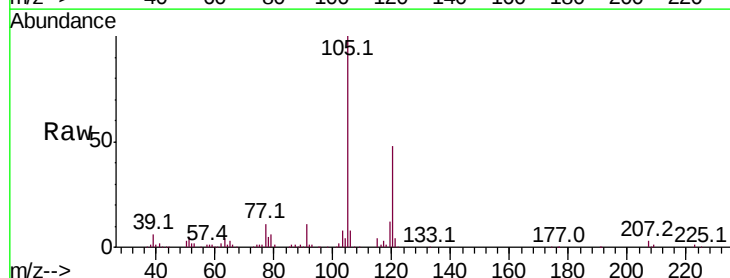
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBSD01

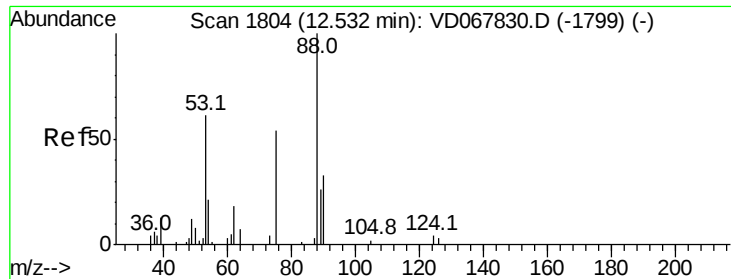
Tot Ion: 91 Resp: 137844
 Ion Ratio Lower Upper
 91 100
 126 36.9 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 21.589 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD067879.D
 Acq: 04 Dec 2020 12:03

Tgt Ion: 105 Resp: 189754
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 18.699 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBSD01

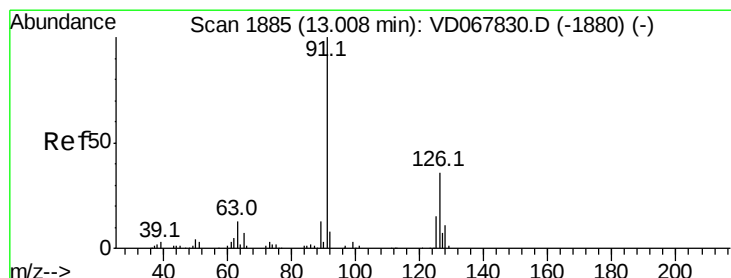
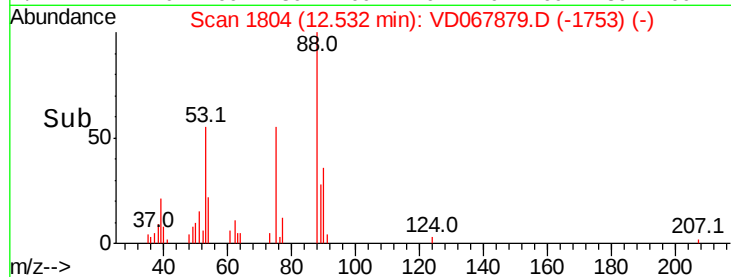
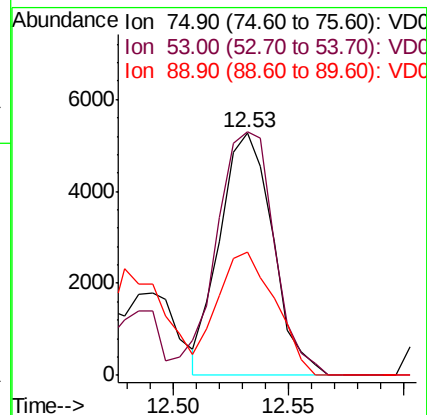
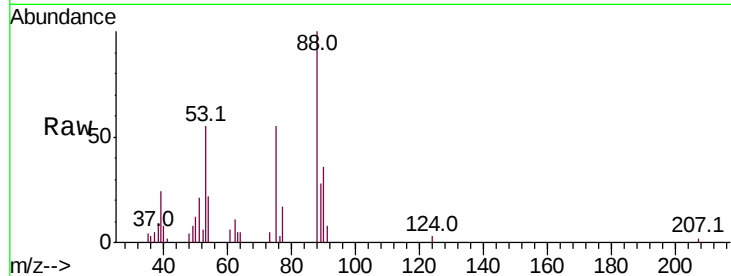
Tot Ion: 75 Resp: 8403

Ion Ratio Lower Upper

75 100

53 108.8 84.6 127.0

89 55.7 41.0 61.6



#82

4-Chlorotoluene

Concen: 20.997 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067879.D

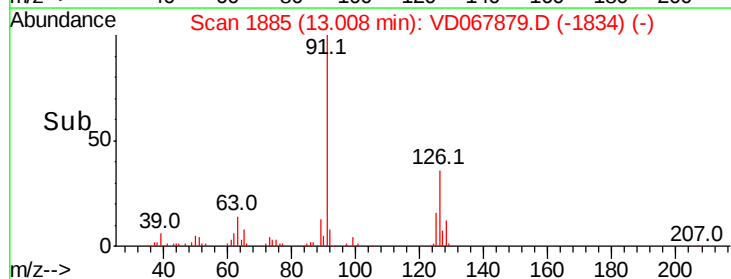
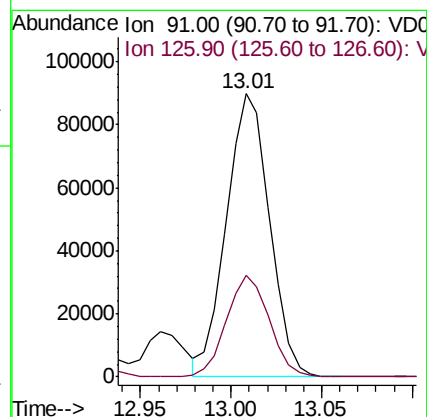
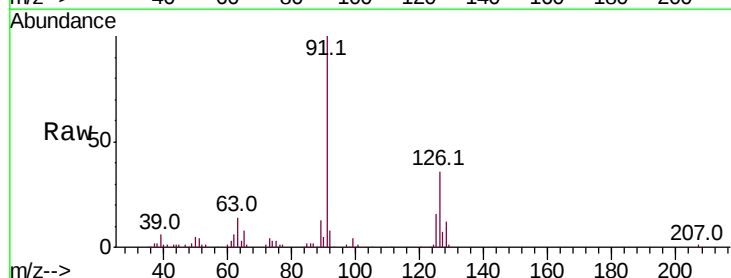
Acq: 04 Dec 2020 12:03

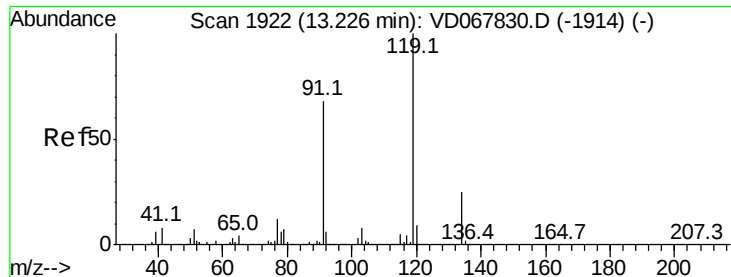
Tgt Ion: 91 Resp: 148259

Ion Ratio Lower Upper

91 100

126 35.5 18.1 54.4

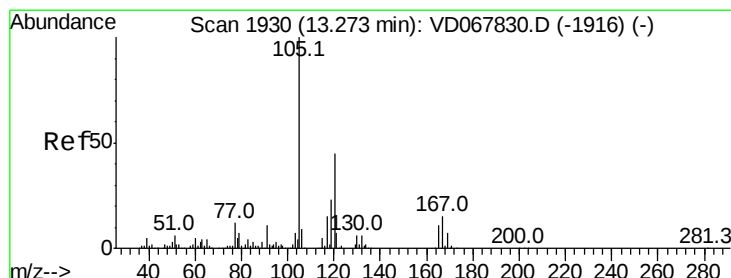
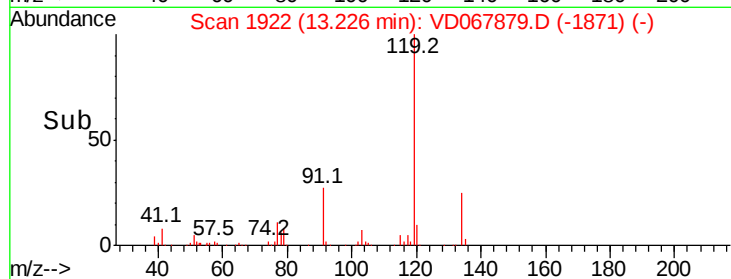
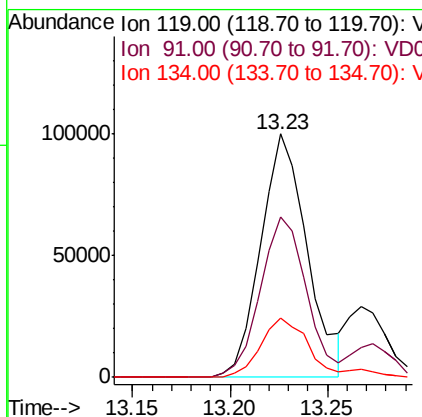
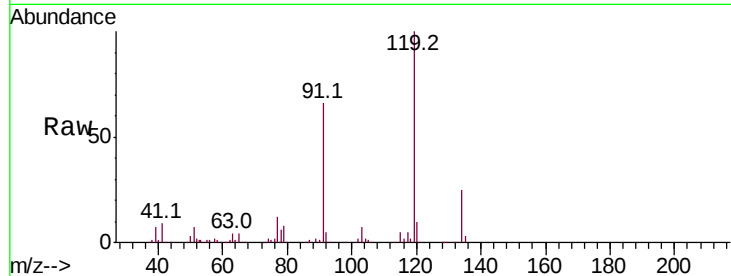




#83
tert-Butylbenzene
Concen: 22.039 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067879.D
Acq: 04 Dec 2020 12:03

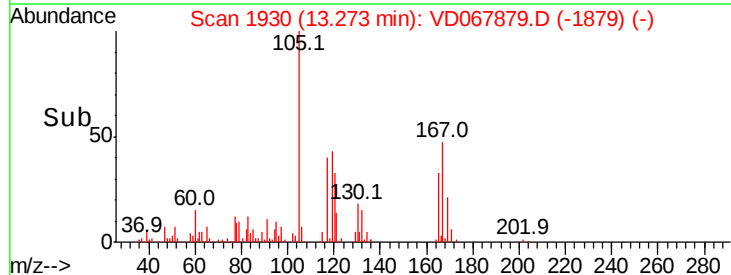
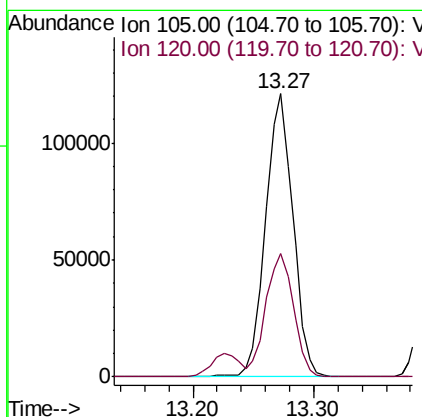
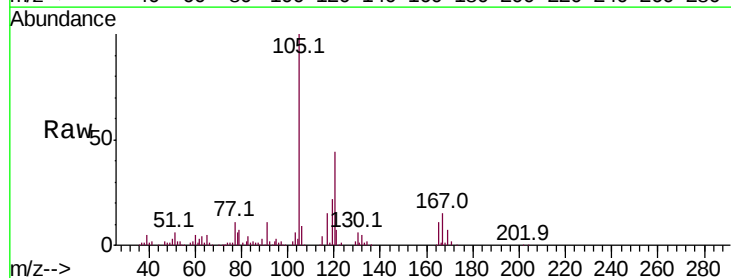
Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

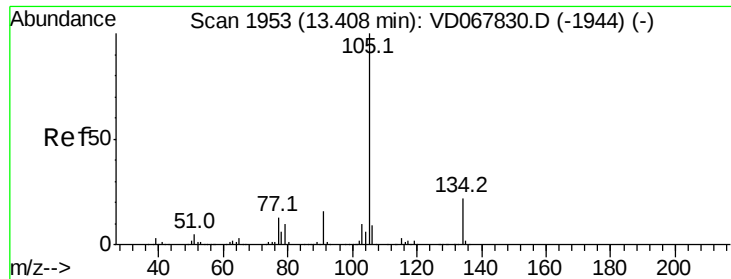
Tot Ion:119 Resp: 164841
Ion Ratio Lower Upper
119 100
91 65.4 33.1 99.3
134 26.6 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 21.715 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067879.D
Acq: 04 Dec 2020 12:03

Tgt Ion:105 Resp: 189787
Ion Ratio Lower Upper
105 100
120 44.2 22.1 66.5

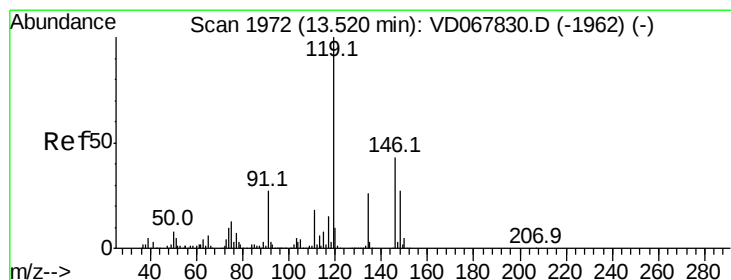
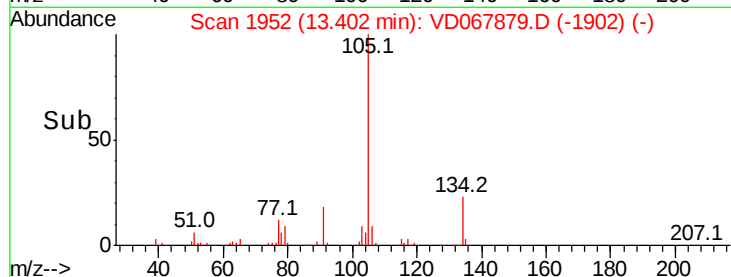
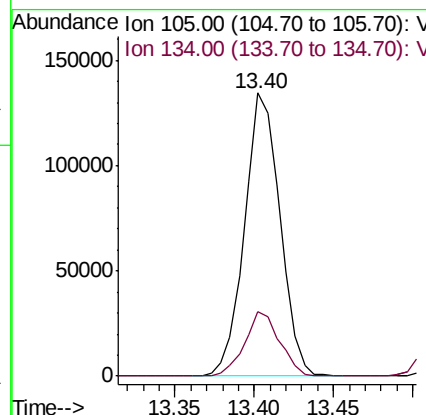
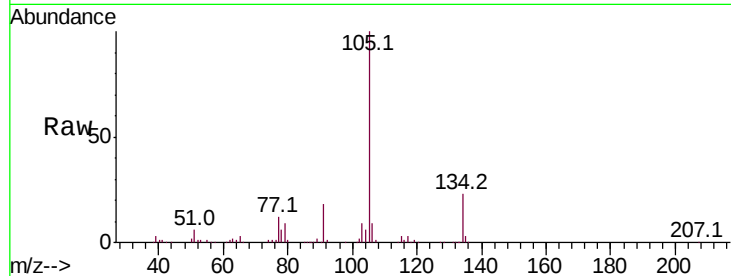




#85
 sec-Butylbenzene
 Concen: 20.922 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VD067879.D
 Acq: 04 Dec 2020 12:03

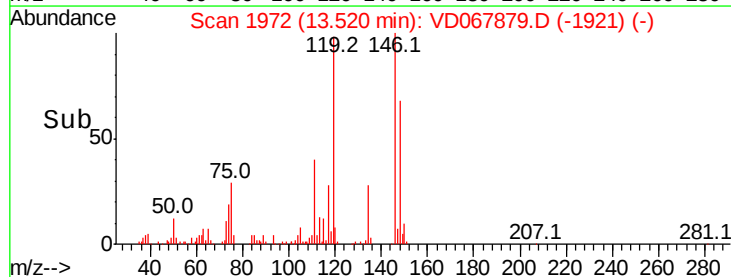
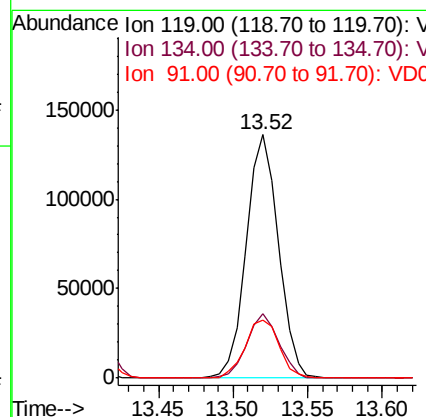
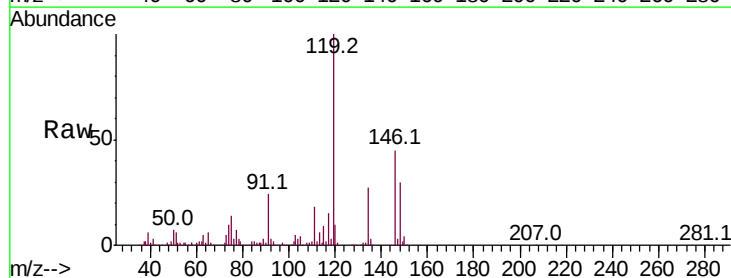
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBSD01

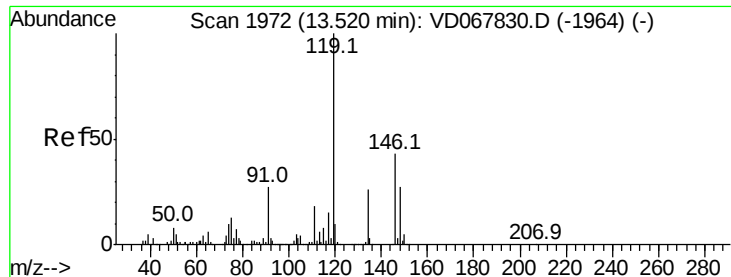
Tot Ion	Ratio	Lower	Upper
105	100		
134	22.5	10.9	32.9



#86
 p-Isopropyltoluene
 Concen: 20.716 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067879.D
 Acq: 04 Dec 2020 12:03

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.1	39.3
91	25.6	12.8	38.3





#87

1,3-Dichlorobenzene

Concen: 20.797 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBSD01

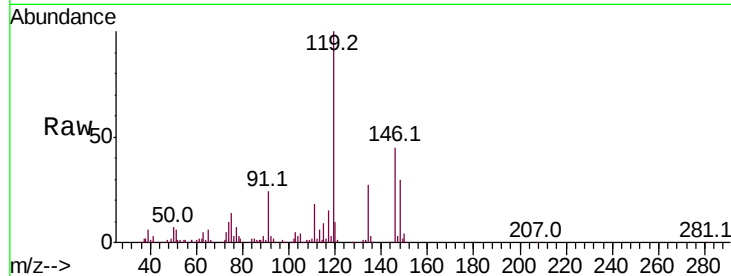
Tot Ion:146 Resp: 101245

Ion Ratio Lower Upper

146 100

111 39.4 20.8 62.2

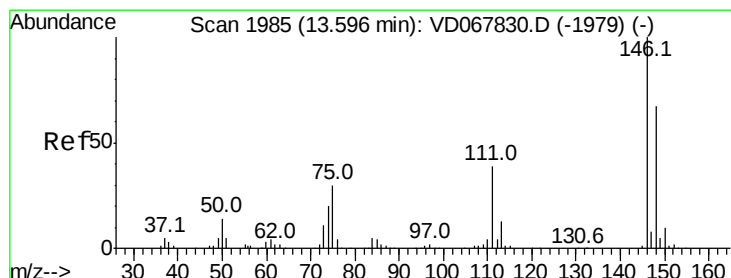
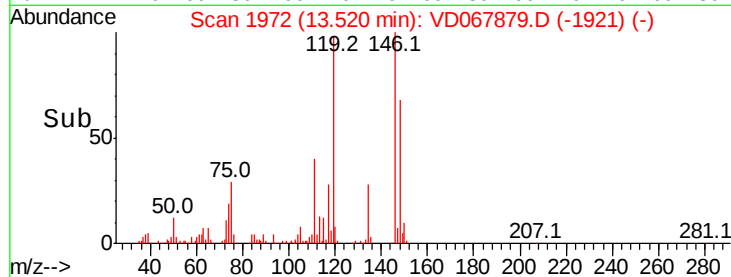
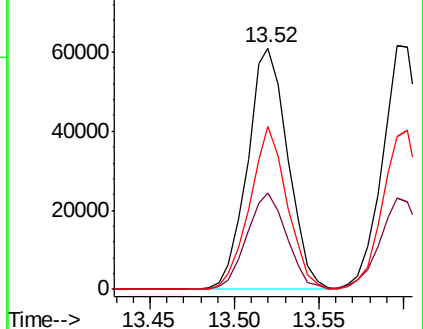
148 63.0 32.9 98.6



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



#88

1,4-Dichlorobenzene

Concen: 20.921 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

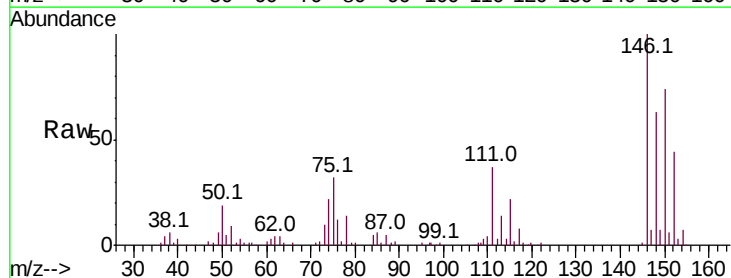
Tgt Ion:146 Resp: 101894

Ion Ratio Lower Upper

146 100

111 39.5 19.9 59.6

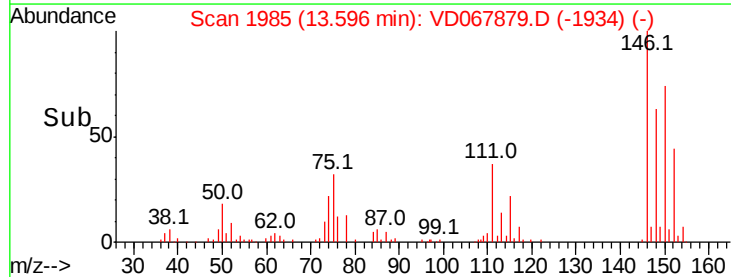
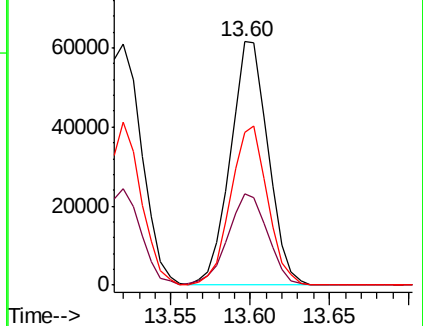
148 63.8 32.4 97.2

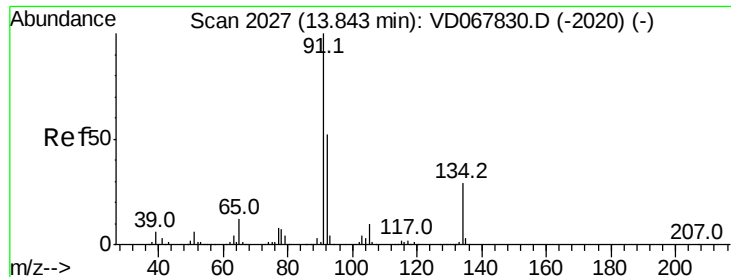


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

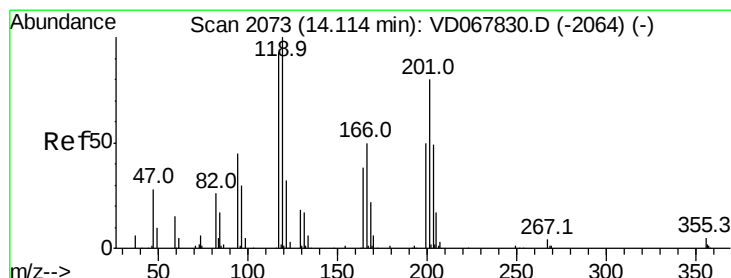
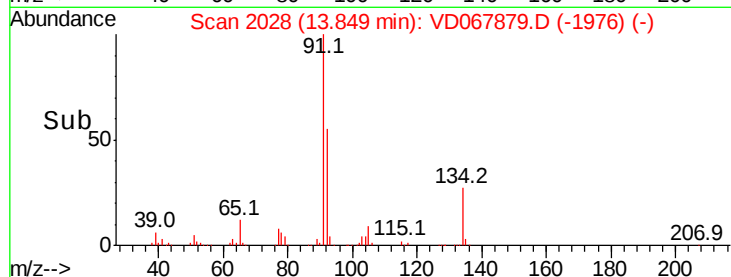
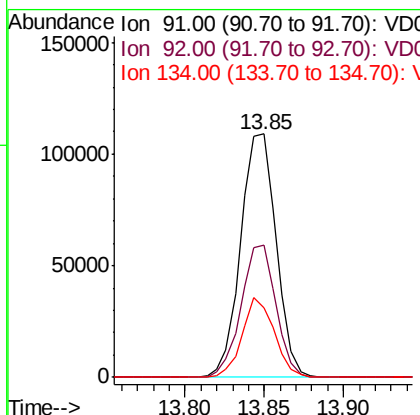
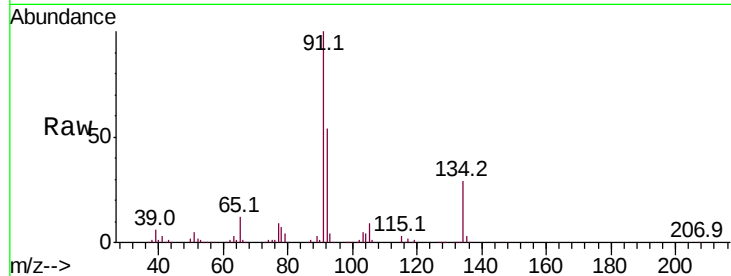




#89
n-Butylbenzene
Concen: 20.862 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD067879.D
Acq: 04 Dec 2020 12:03

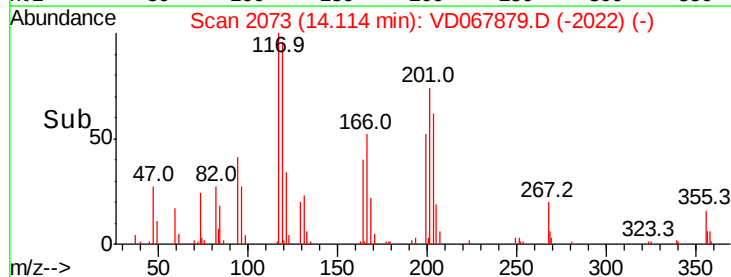
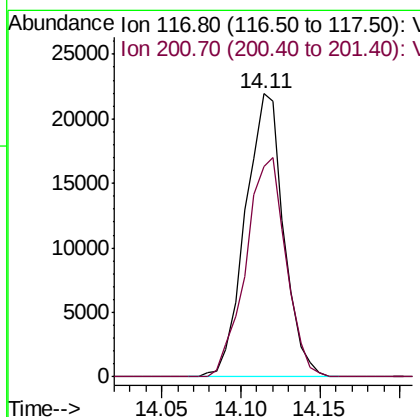
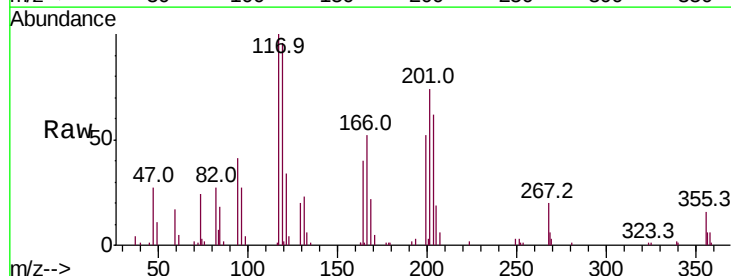
Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

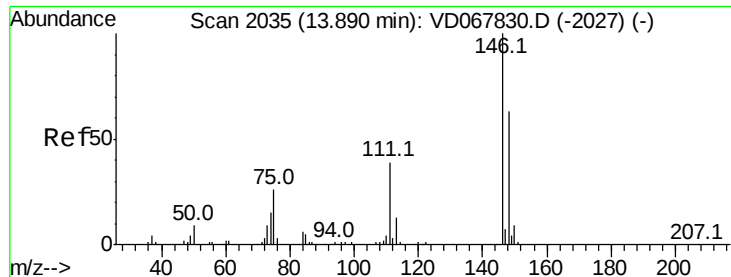
Tot Ion: 91 Resp: 169568
Ion Ratio Lower Upper
91 100
92 53.3 26.3 78.8
134 29.7 14.8 44.3



#90
Hexachloroethane
Concen: 20.367 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067879.D
Acq: 04 Dec 2020 12:03

Tgt Ion: 117 Resp: 36788
Ion Ratio Lower Upper
117 100
201 81.2 43.9 131.6





#91

1,2-Dichlorobenzene

Concen: 20.676 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.01 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1204SBS01

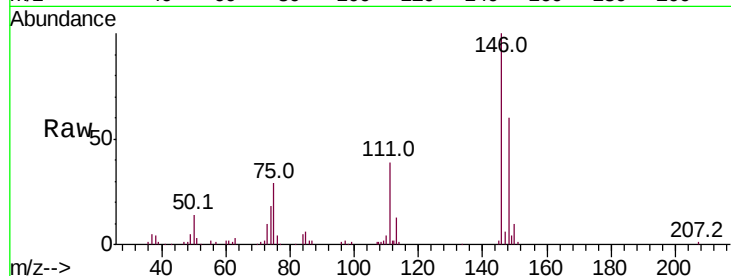
Tot Ion:146 Resp: 87302

Ion Ratio Lower Upper

146 100

111 44.2 20.4 61.2

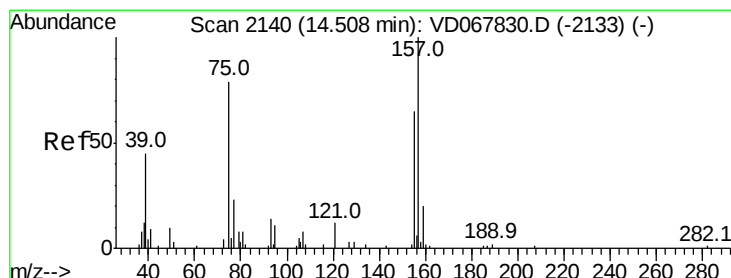
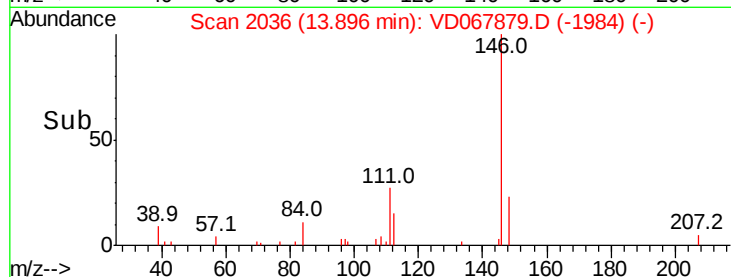
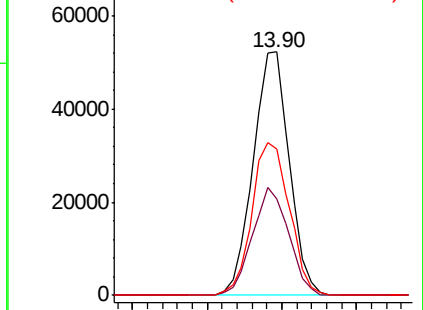
148 65.0 32.1 96.3



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: 20.403 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.01 min

Lab File: VD067879.D

Acq: 04 Dec 2020 12:03

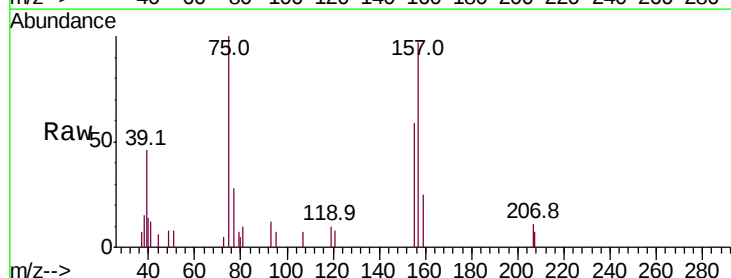
Tgt Ion: 75 Resp: 5707

Ion Ratio Lower Upper

75 100

155 75.9 44.1 132.4

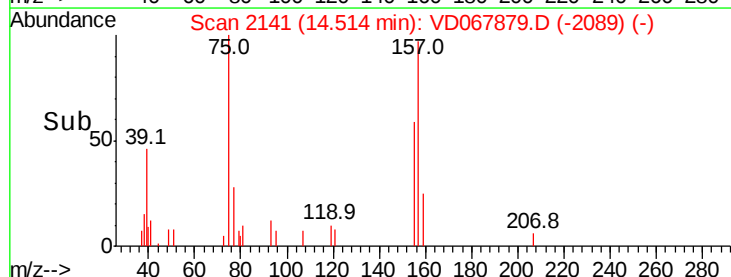
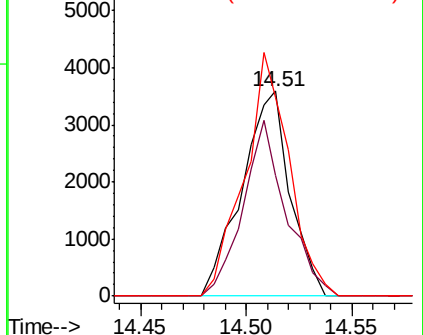
157 109.7 62.4 187.2

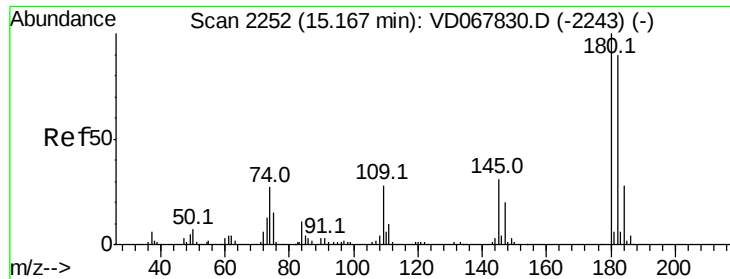


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

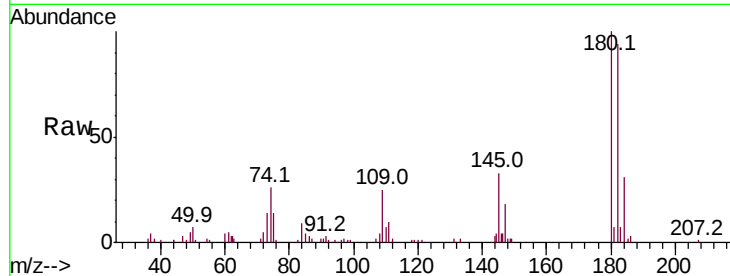




#93
 1,2,4-Trichlorobenzene
 Concen: 21.162 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067879.D
 Acq: 04 Dec 2020 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.5	142.6
145	32.9	16.4	49.4

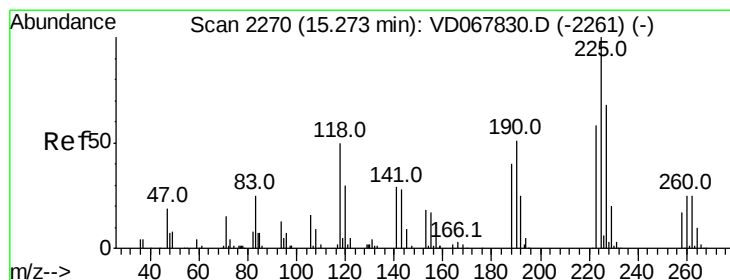
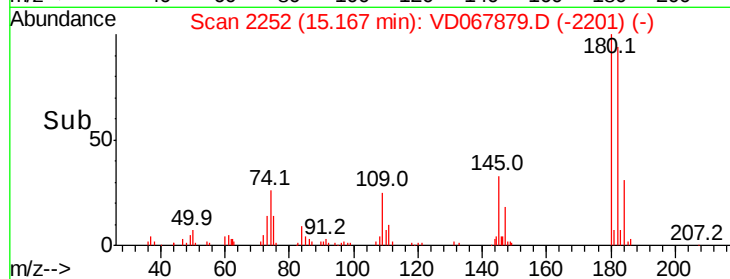
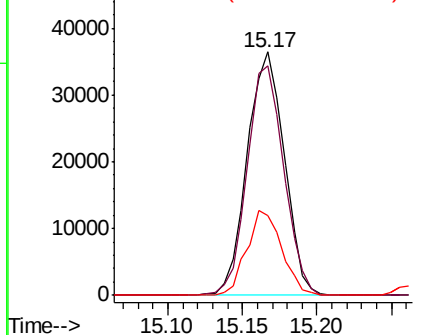


Abundance

Ion 179.80 (179.50 to 180.50): V

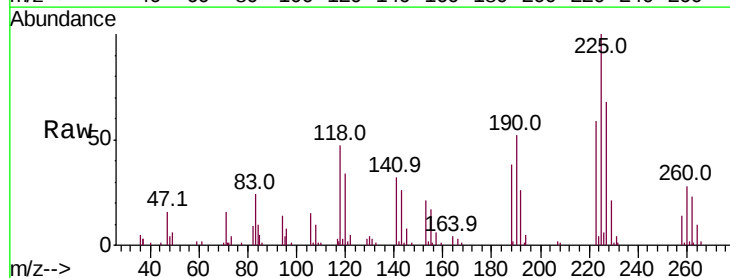
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.067 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067879.D
 Acq: 04 Dec 2020 12:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	31.1	93.3
227	64.7	33.1	99.3

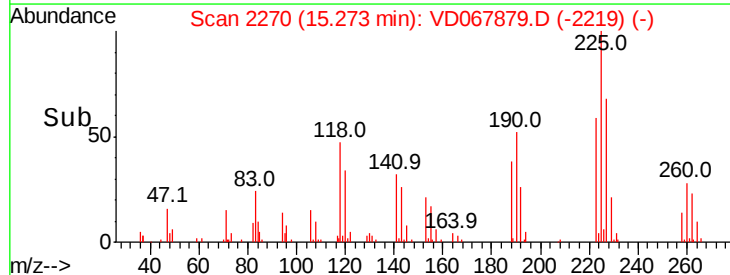
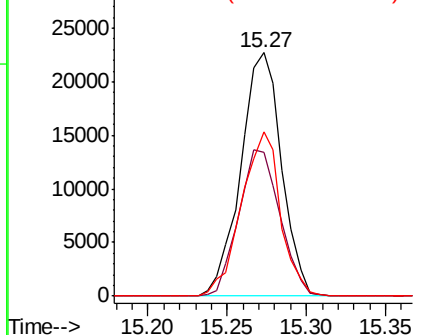


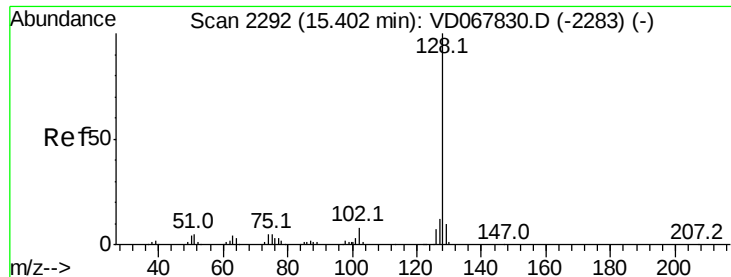
Abundance

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

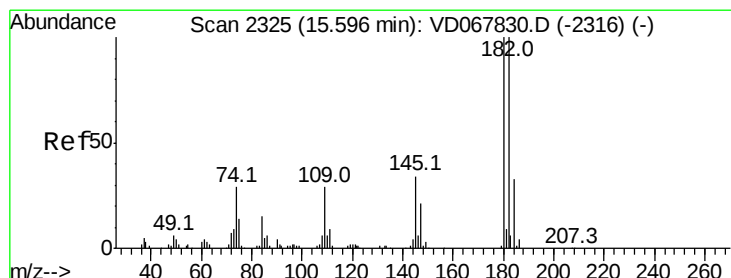
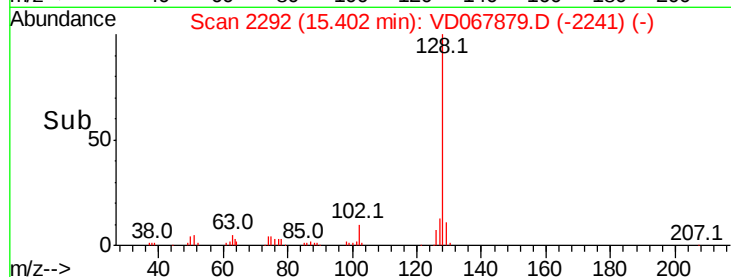
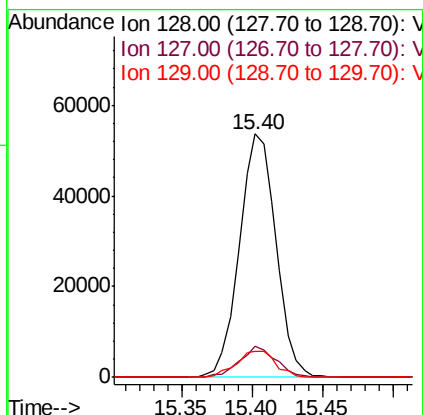
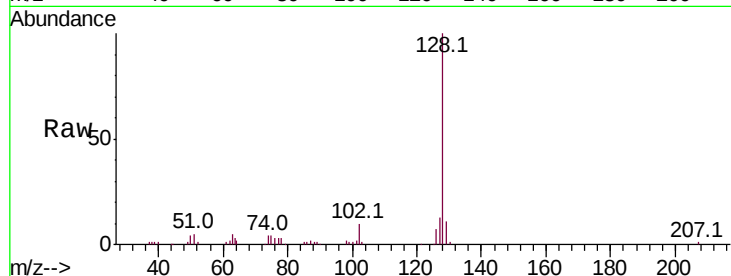




#95
Naphthalene
Concen: 20.257 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VD067879.D
Acq: 04 Dec 2020 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1204SBSD01

Tot Ion:128 Resp: 97354
Ion Ratio Lower Upper
128 100
127 12.8 10.6 15.8
129 11.7 9.0 13.6



#96
1,2,3-Trichlorobenzene
Concen: 20.246 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.01 min
Lab File: VD067879.D
Acq: 04 Dec 2020 12:03

Tgt Ion:180 Resp: 51639
Ion Ratio Lower Upper
180 100
182 99.9 47.3 142.0
145 33.7 16.8 50.4

