

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101220\
 Data File : VD067228.D
 Acq On : 12 Oct 2020 12:35
 Operator : VA/SY
 Sample : VW1012SBSD01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBSD01

Quant Time: Oct 13 00:15:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	368812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	545201	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	506476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	256945	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	174187	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
35) Dibromofluoromethane	7.91	113	186599	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
50) Toluene-d8	10.34	98	672605	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
62) 4-Bromofluorobenzene	12.64	95	244026	55.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	77583	23.503	ug/l	93
3) Chloromethane	2.20	50	53264	18.135	ug/l	95
4) Vinyl Chloride	2.35	62	55361	18.798	ug/l	100
5) Bromomethane	2.75	94	39914	18.278	ug/l	85
6) Chloroethane	2.92	64	33250	18.539	ug/l #	84
7) Trichlorofluoromethane	3.27	101	138876	21.224	ug/l	99
8) Diethyl Ether	3.70	74	32868	20.257	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.09	101	79467	21.487	ug/l	97
10) Methyl Iodide	4.30	142	63584	17.694	ug/l	94
11) Tert butyl alcohol	5.21	59	30137	119.366	ug/l	95
12) 1,1-Dichloroethene	4.07	96	68143	19.600	ug/l	96
13) Acrolein	3.92	56	16415	69.009	ug/l	96
14) Allyl chloride	4.71	41	79685	17.643	ug/l	94
15) Acrylonitrile	5.42	53	57205	95.792	ug/l	96
16) Acetone	4.16	43	58563	107.995	ug/l	96
17) Carbon Disulfide	4.40	76	195506	18.323	ug/l	99
18) Methyl Acetate	4.71	43	24889	18.262	ug/l #	82
19) Methyl tert-butyl Ether	5.47	73	134291	21.159	ug/l	94
20) Methylene Chloride	4.97	84	79767	15.745	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	78062	19.729	ug/l	94
22) Diisopropyl ether	6.36	45	151689	18.396	ug/l	97
23) Vinyl Acetate	6.31	43	430252	92.082	ug/l	98
24) 1,1-Dichloroethane	6.27	63	121713	19.127	ug/l	97
25) 2-Butanone	7.21	43	68999	89.747	ug/l #	87
26) 2,2-Dichloropropane	7.21	77	121896	19.920	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	84798	20.067	ug/l	100
28) Bromochloromethane	7.54	49	41391	16.843	ug/l	87
29) Tetrahydrofuran	7.56	42	39238	88.761	ug/l #	86
30) Chloroform	7.71	83	142530	20.647	ug/l	98
31) Cyclohexane	7.98	56	96878	18.159	ug/l #	87
32) 1,1,1-Trichloroethane	7.91	97	138037	21.577	ug/l	97
36) 1,1-Dichloropropene	8.11	75	106475	20.952	ug/l	99
37) Ethyl Acetate	7.29	43	35216	20.003	ug/l #	94
38) Carbon Tetrachloride	8.09	117	129886	23.622	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	112001	20.846	ug/l	97
40) Benzene	8.35	78	296540	21.009	ug/l	97
41) Methacrylonitrile	7.53	41	15049	15.823	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	86295	21.879	ug/l	100
43) Isopropyl Acetate	8.45	43	62972	19.416	ug/l	96
44) Trichloroethene	9.11	130	89489	21.231	ug/l	99
45) 1,2-Dichloropropane	9.39	63	68112	20.537	ug/l	95
46) Dibromomethane	9.48	93	41103	21.563	ug/l	96
47) Bromodichloromethane	9.66	83	108938	21.985	ug/l	98
48) Methyl methacrylate	9.46	41	32122	19.333	ug/l #	79
49) 1,4-Dioxane	9.47	88	8572	430.874	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	159094	98.483	ug/l	96
52) Toluene	10.41	92	201250	22.133	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	97765	22.077	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	115595	21.376	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	58048	21.904	ug/l	92
56) Ethyl methacrylate	10.66	69	59004	21.565	ug/l	97
57) 1,3-Dichloropropane	10.95	76	90941	21.161	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	158917	104.352	ug/l	97
59) 2-Hexanone	10.98	43	109369	101.435	ug/l	96
60) Dibromochloromethane	11.14	129	81690	23.127	ug/l	99
61) 1,2-Dibromoethane	11.25	107	56130	22.046	ug/l	96
64) Tetrachloroethene	10.88	164	80523	21.869	ug/l	91
65) Chlorobenzene	11.67	112	215316	21.375	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	83338	21.750	ug/l	97
67) Ethyl Benzene	11.75	91	379759	22.003	ug/l	97
68) m/p-Xylenes	11.86	106	297806	44.275	ug/l	99
69) o-Xylene	12.18	106	132612	22.047	ug/l	92
70) Styrene	12.20	104	234691	22.723	ug/l	98
71) Bromoform	12.36	173	46497	23.377	ug/l #	98
73) Isopropylbenzene	12.48	105	377926	21.661	ug/l	100
74) N-amyl acetate	12.29	43	57983	18.487	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.74	83	57289	19.489	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	78686	35.158	ug/l #	100
77) Bromobenzene	12.77	156	92282	21.905	ug/l	92
78) n-propylbenzene	12.83	91	442299	21.451	ug/l	99
79) 2-Chlorotoluene	12.91	91	251355	21.306	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	320636	21.752	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	18103	20.166	ug/l	96
82) 4-Chlorotoluene	13.01	91	266956	21.269	ug/l	99
83) tert-Butylbenzene	13.23	119	278460	22.433	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	325869	22.152	ug/l	98
85) sec-Butylbenzene	13.41	105	378502	21.653	ug/l	99
86) p-Isopropyltoluene	13.52	119	352758	21.766	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	176693	21.533	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	174587	21.278	ug/l	99
89) n-Butylbenzene	13.85	91	313470	21.164	ug/l	99
90) Hexachloroethane	14.12	117	60319	21.248	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	155611	21.714	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9345	19.721	ug/l	88

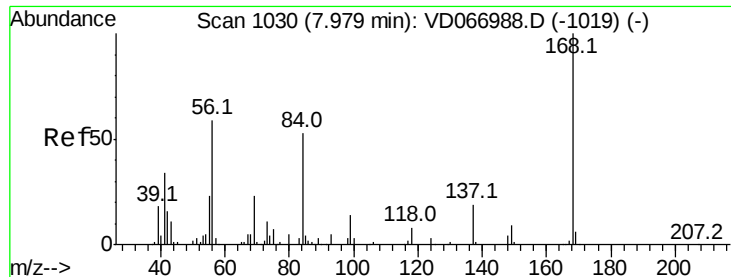
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101220\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	103055	22.232	ug/l	97
94) Hexachlorobutadiene	15.28	225	62980	22.123	ug/l	97
95) Naphthalene	15.41	128	173564	22.448	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	90675	22.534	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

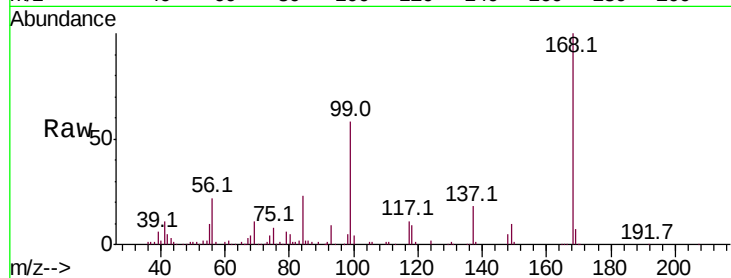
VD1012SBSD01

Tot Ion:168 Resp: 368812

Ion Ratio Lower Upper

168 100

99 57.8 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

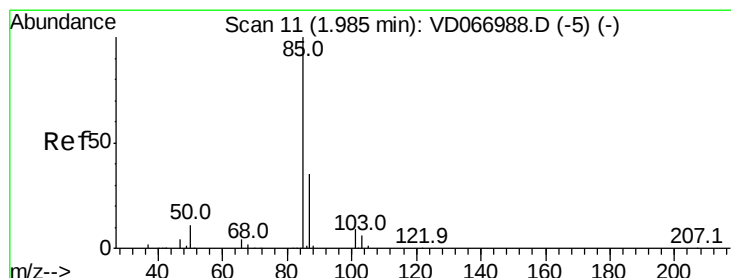
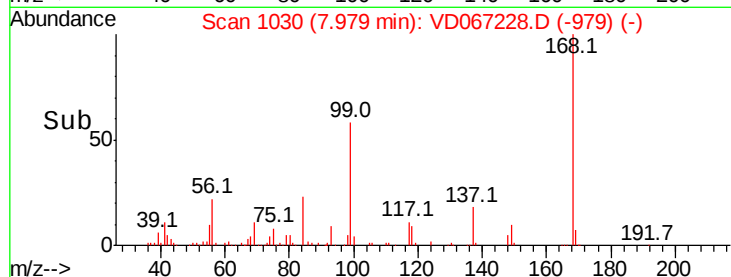
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 23.503 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067228.D

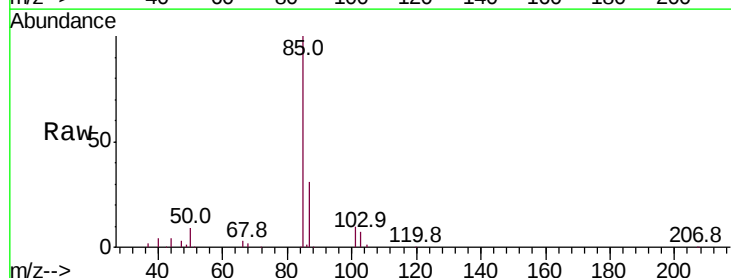
Acq: 12 Oct 2020 12:35

Tgt Ion: 85 Resp: 77583

Ion Ratio Lower Upper

85 100

87 30.8 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

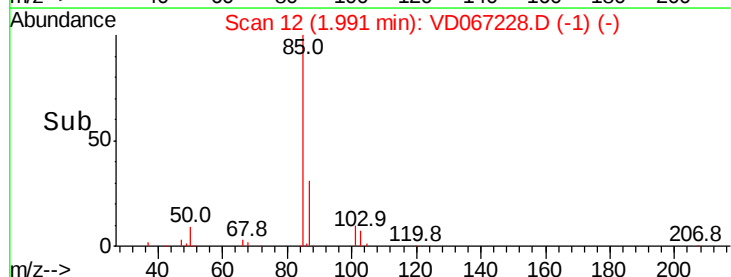
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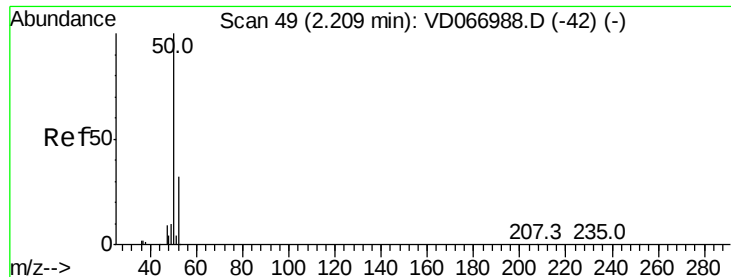
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 18.135 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

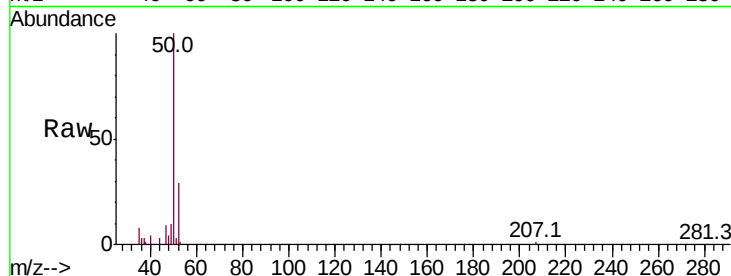
VD1012SBS01

Tot Ion: 50 Resp: 53264

Ion Ratio Lower Upper

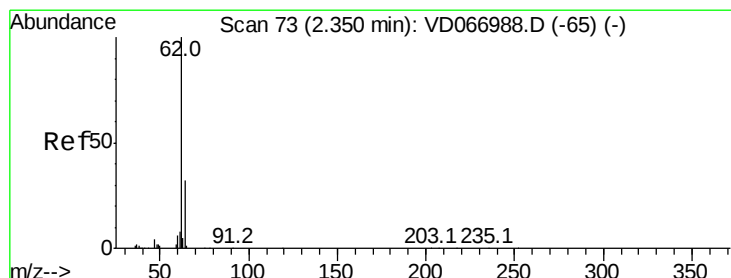
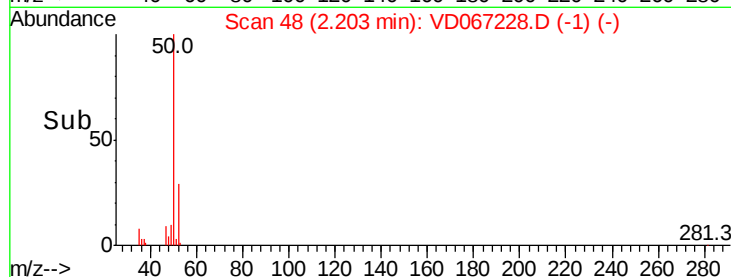
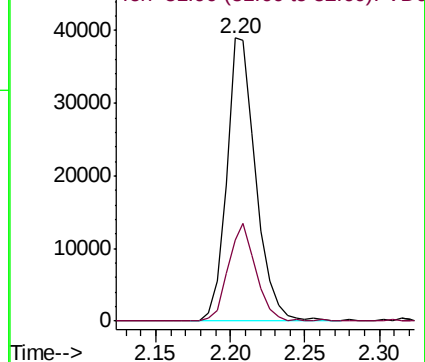
50 100

52 28.8 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.798 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067228.D

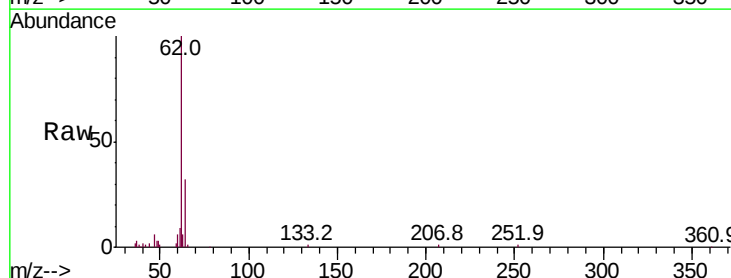
Acq: 12 Oct 2020 12:35

Tgt Ion: 62 Resp: 55361

Ion Ratio Lower Upper

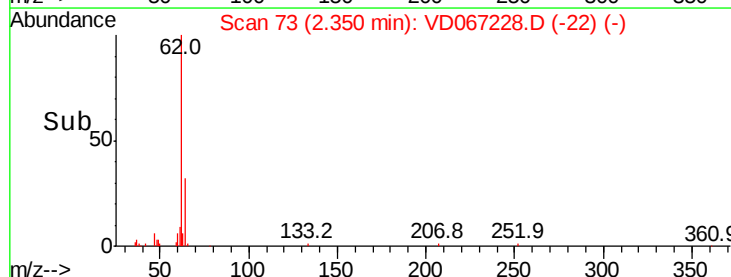
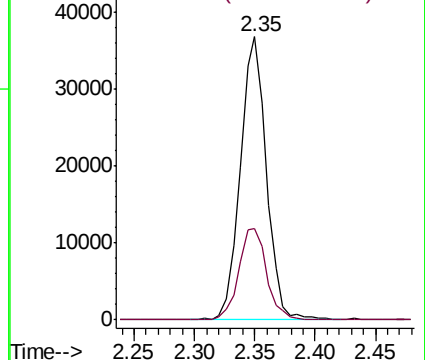
62 100

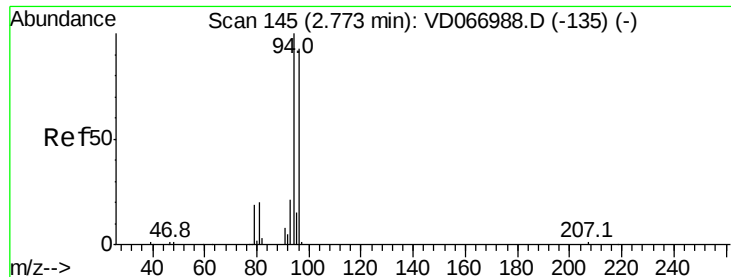
64 32.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 18.278 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

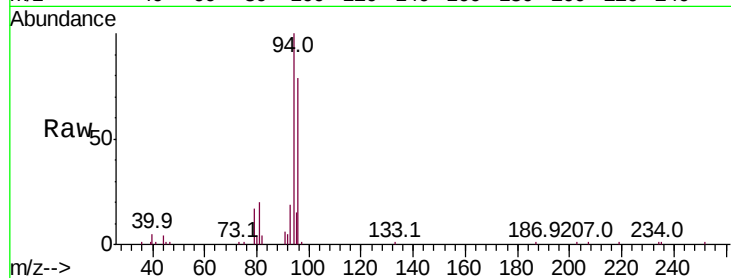
VD1012SBSD01

Tot Ion: 94 Resp: 39914

Ion Ratio Lower Upper

94 100

96 78.8 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.75

20000

15000

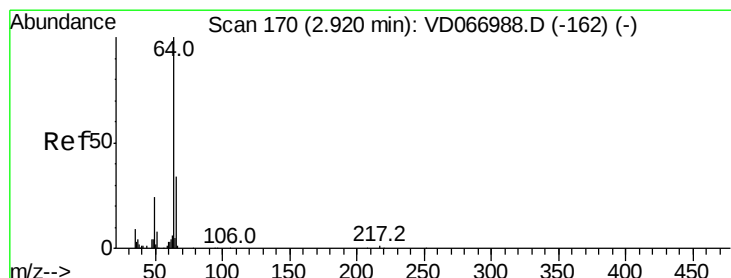
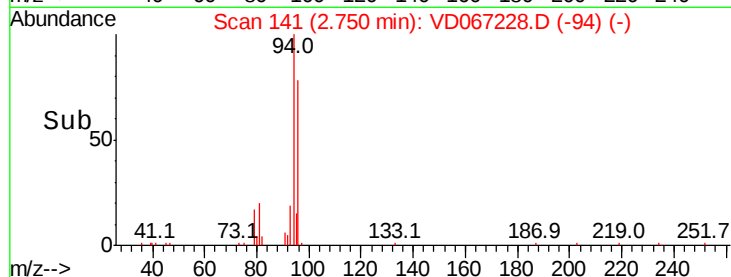
10000

5000

0

Time-->

2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 18.539 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067228.D

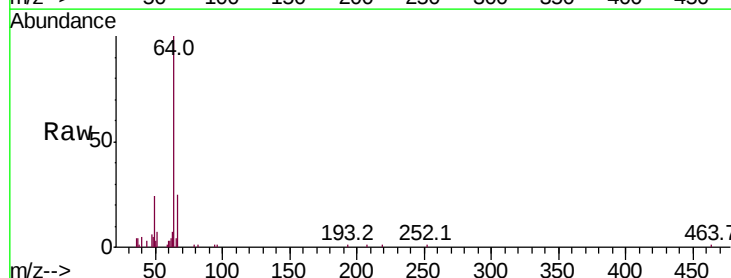
Acq: 12 Oct 2020 12:35

Tgt Ion: 64 Resp: 33250

Ion Ratio Lower Upper

64 100

66 24.9 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

15000

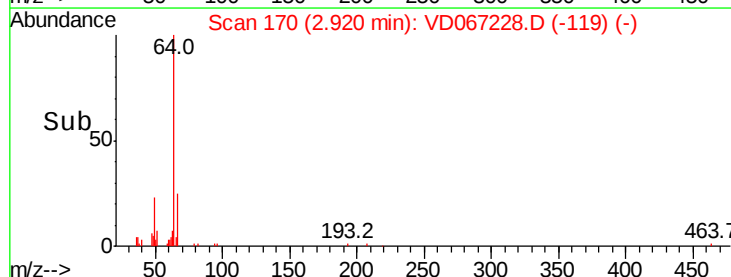
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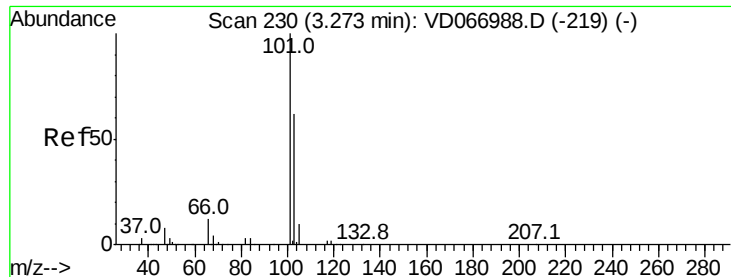
5000

0

Time-->

2.85 2.90 2.95 3.00





#7

Trichlorofluoromethane

Concen: 21.224 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

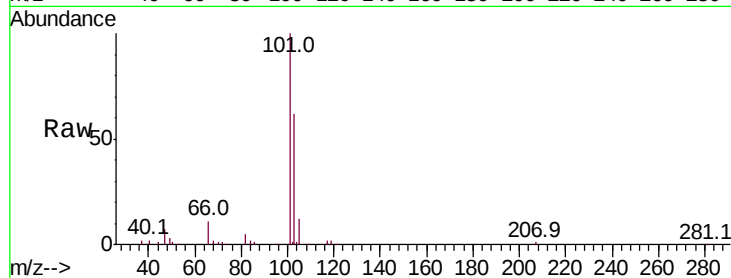
VD1012SBSD01

Tot Ion:101 Resp: 138876

Ion Ratio Lower Upper

101 100

103 61.7 49.8 74.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.27

60000

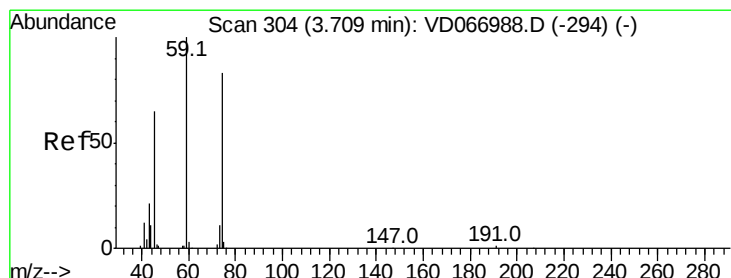
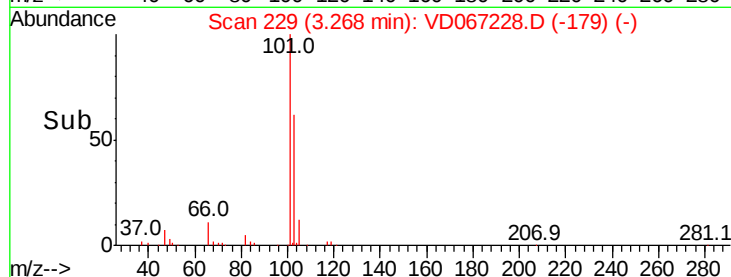
40000

20000

0

Time-->

3.20 3.30 3.40



#8

Diethyl Ether

Concen: 20.257 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD067228.D

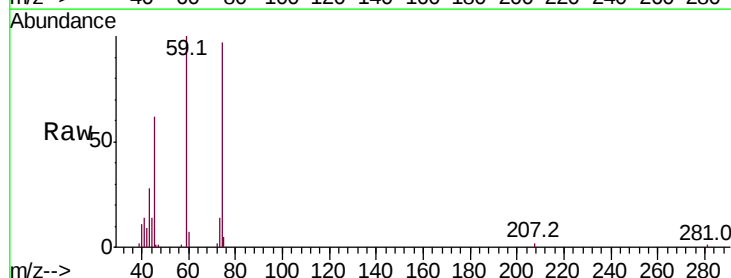
Acq: 12 Oct 2020 12:35

Tgt Ion: 74 Resp: 32868

Ion Ratio Lower Upper

74 100

45 77.3 43.1 129.3



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V

15000

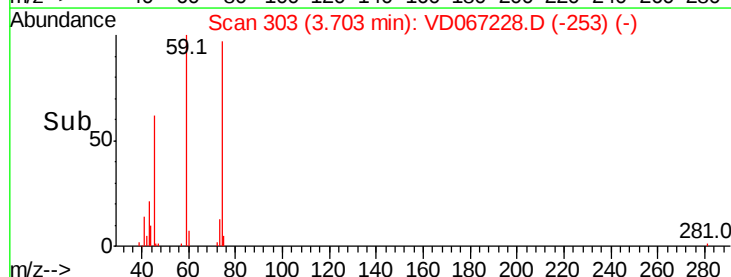
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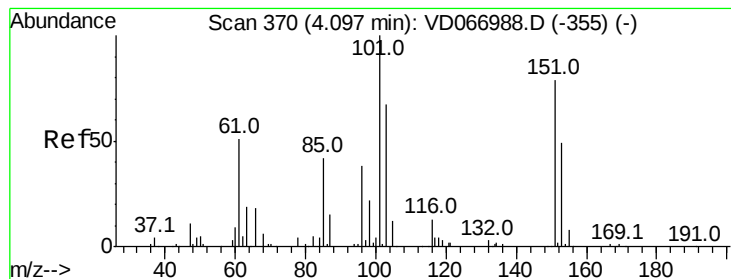
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Time-->

3.60 3.65 3.70 3.75 3.80





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.487 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBSD01

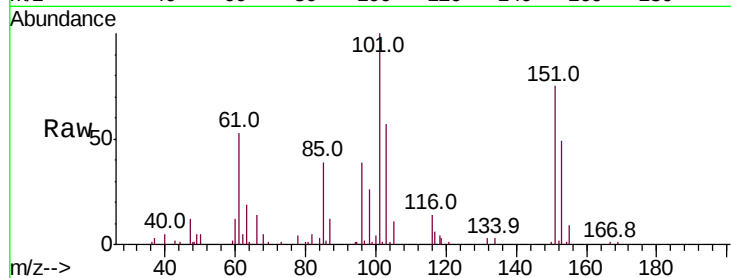
Tot Ion:101 Resp: 79467

Ion Ratio Lower Upper

101 100

85 41.2 33.8 50.8

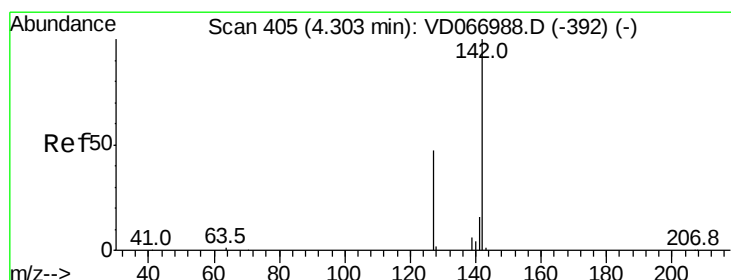
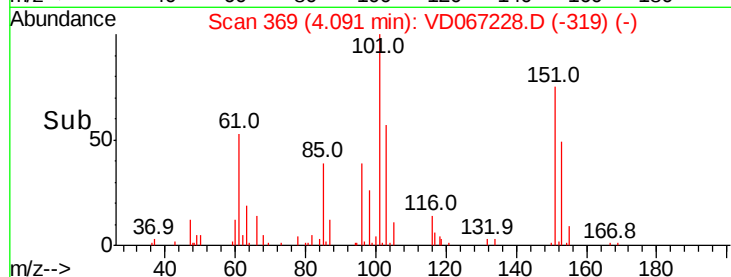
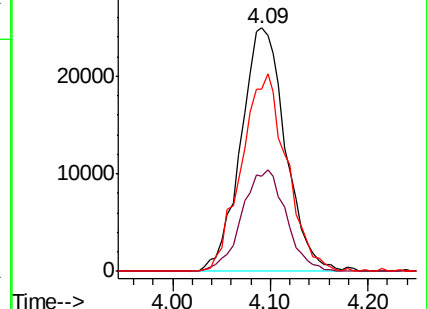
151 82.5 63.8 95.8



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: 17.694 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

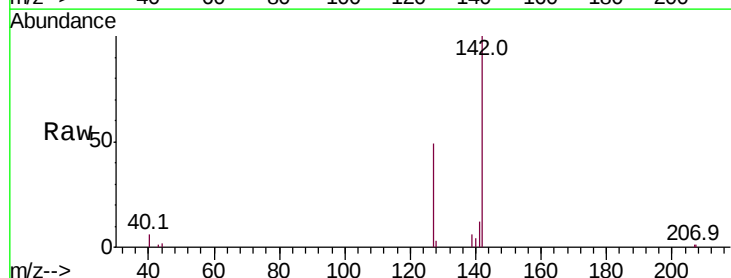
Tgt Ion:142 Resp: 63584

Ion Ratio Lower Upper

142 100

127 50.0 36.3 54.5

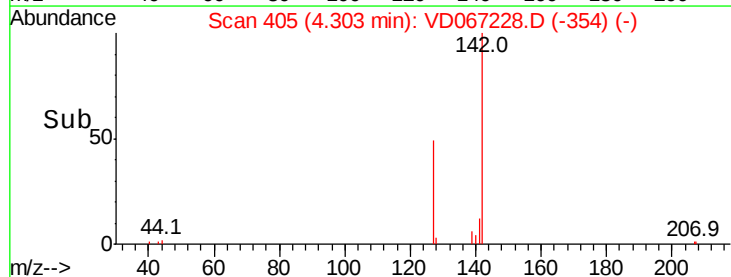
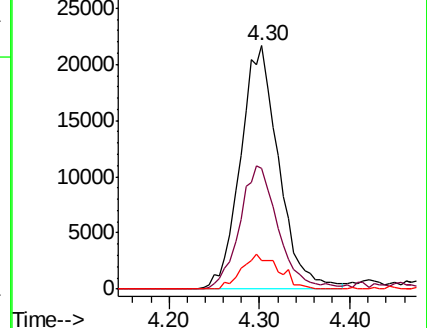
141 14.0 12.0 18.0

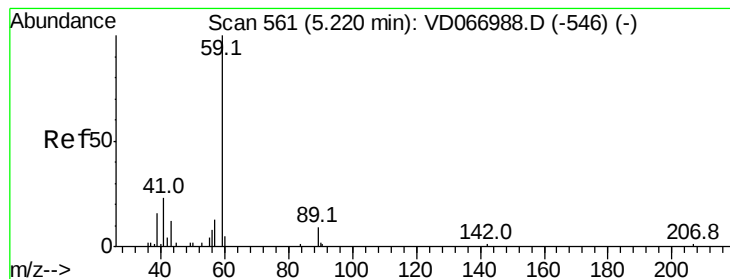


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



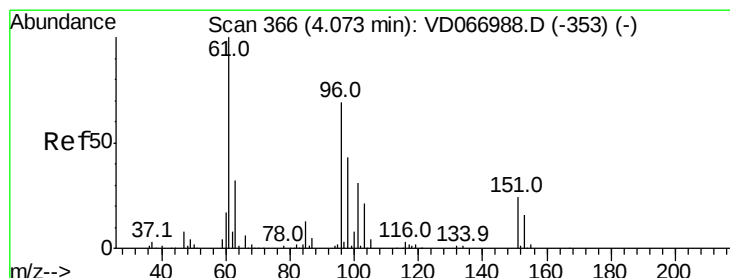
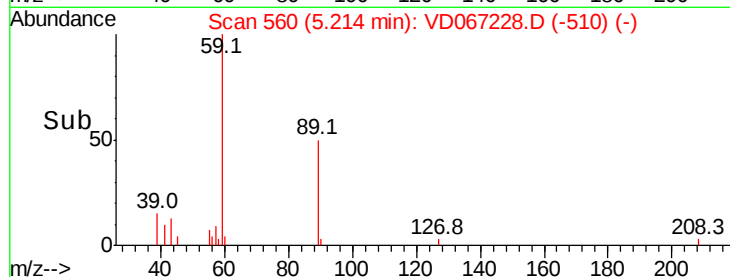
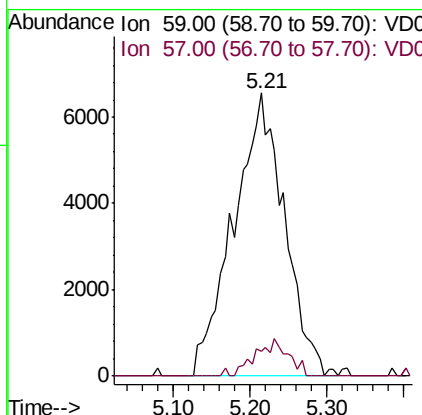
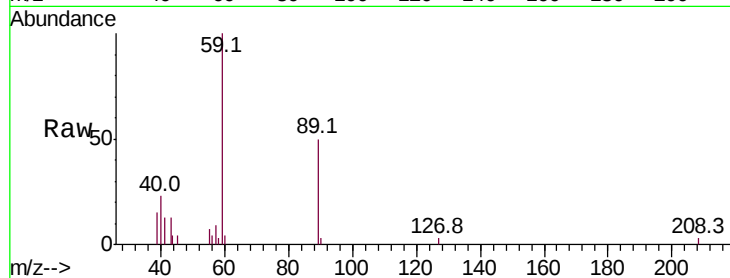


#11

Tert butyl alcohol
 Concen: 119.366 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBS01

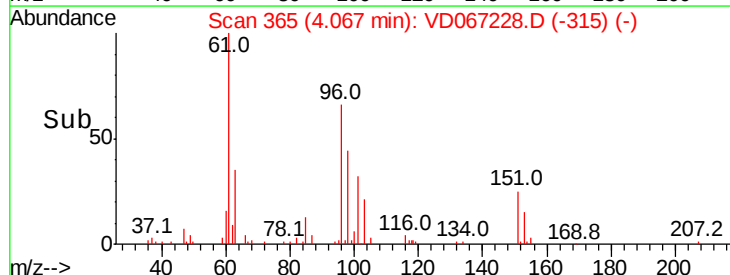
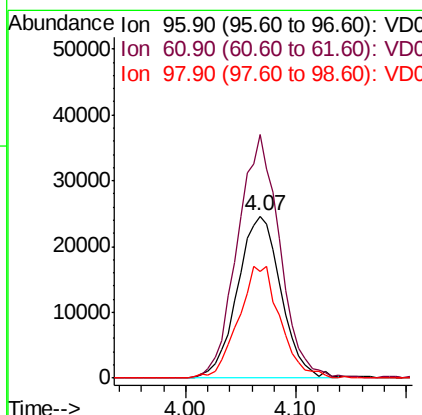
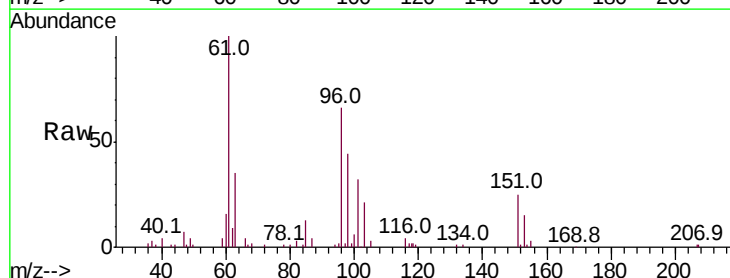
Tot Ion: 59 Resp: 30137
 Ion Ratio Lower Upper
 59 100
 57 8.3 8.2 12.4

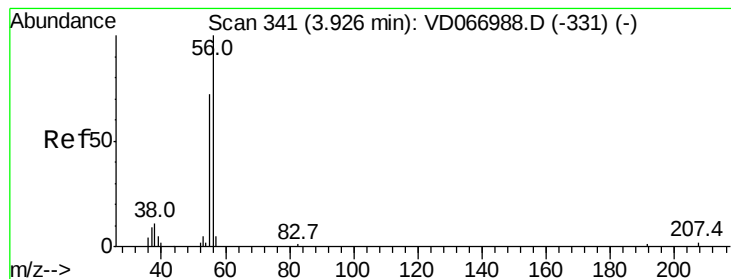


#12

1,1-Dichloroethene
 Concen: 19.600 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

Tgt Ion: 96 Resp: 68143
 Ion Ratio Lower Upper
 96 100
 61 150.6 116.4 174.6
 98 66.3 49.9 74.9





#13

Acrolein

Concen: 69.009 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

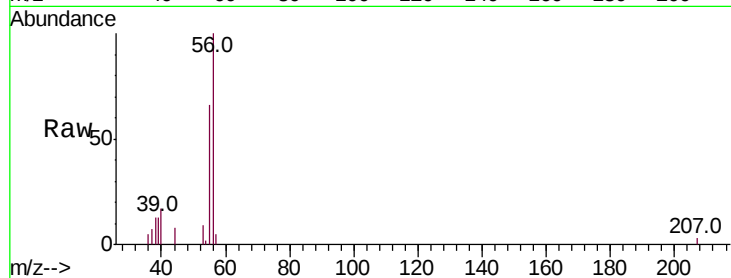
VD1012SBS01

Tot Ion: 56 Resp: 16415

Ion Ratio Lower Upper

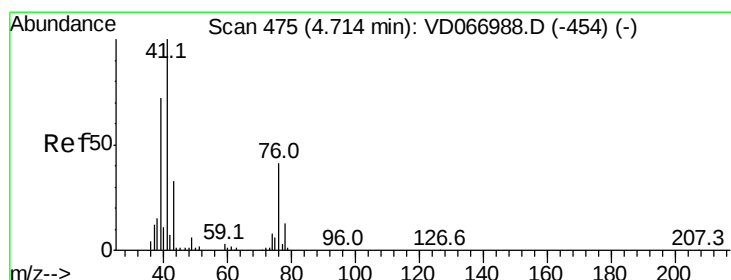
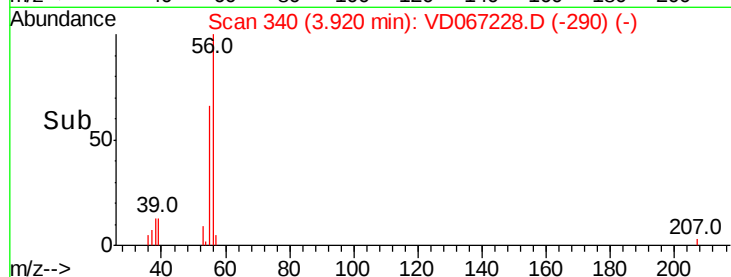
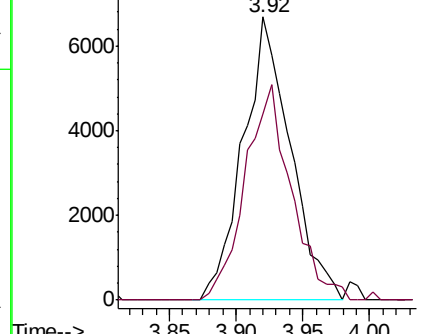
56 100

55 74.5 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 17.643 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

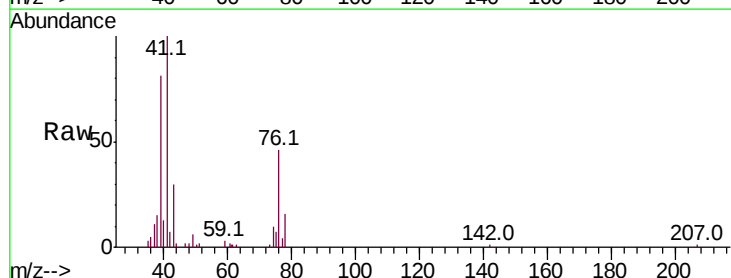
Tgt Ion: 41 Resp: 79685

Ion Ratio Lower Upper

41 100

39 75.5 56.2 84.2

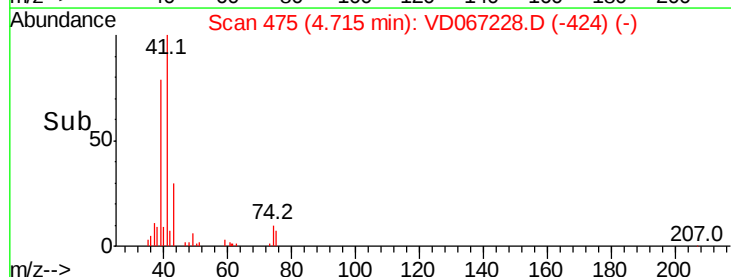
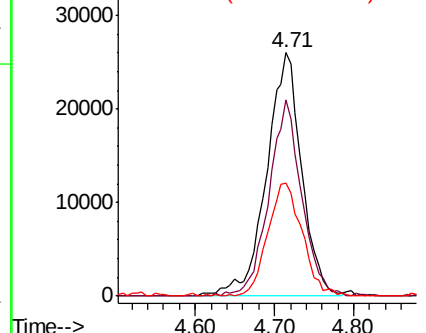
76 46.0 34.2 51.2

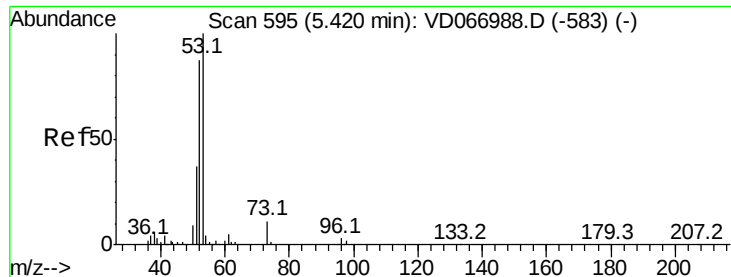


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 95.792 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

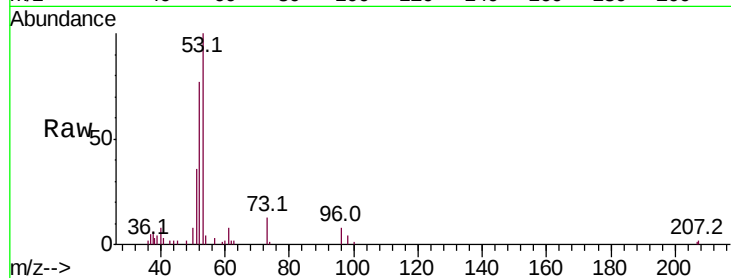
MSVOA_D

ClientSampleId :

VD1012SBS01

Tot Ion: 53 Resp: 57205

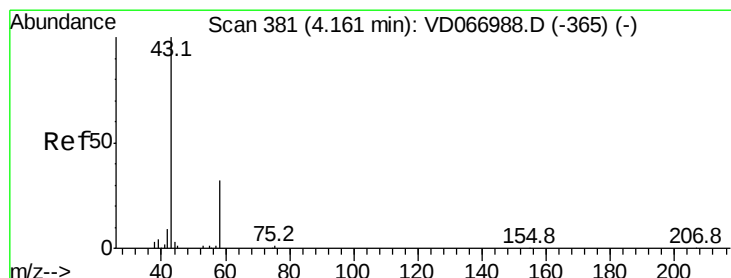
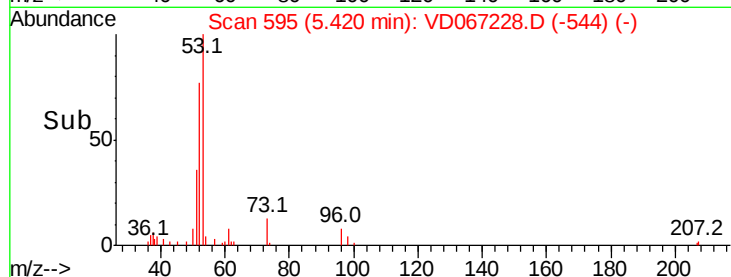
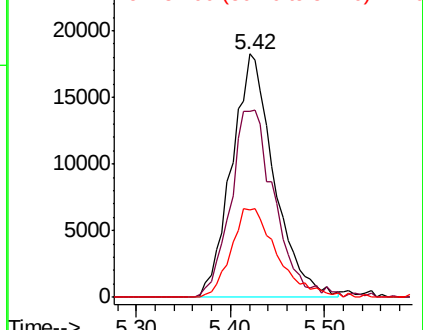
Ion	Ratio	Lower	Upper
53	100		
52	79.9	67.3	100.9
51	39.6	30.2	45.2



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: 107.995 ug/l

RT: 4.16 min Scan# 381

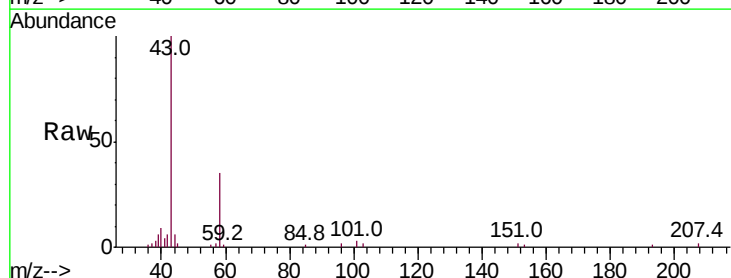
Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

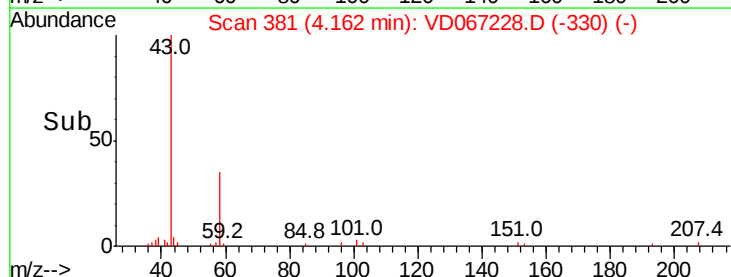
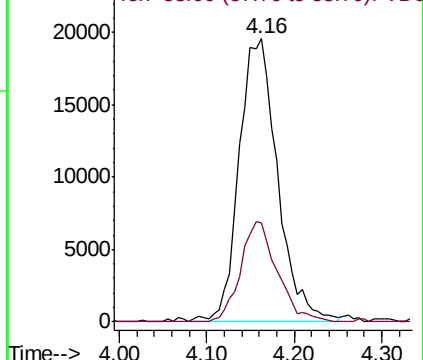
Tgt Ion: 43 Resp: 58563

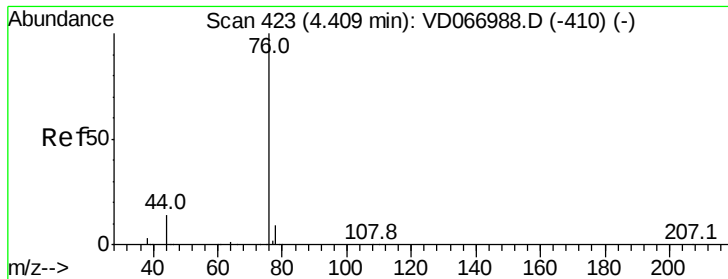
Ion	Ratio	Lower	Upper
43	100		
58	34.8	25.9	38.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

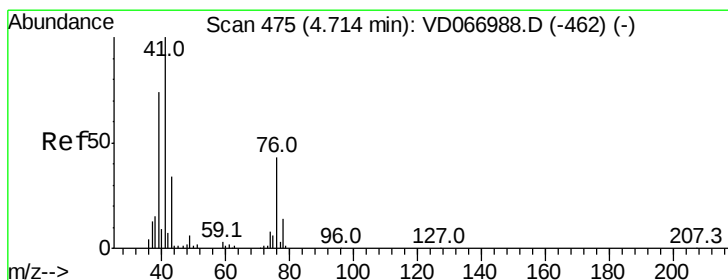
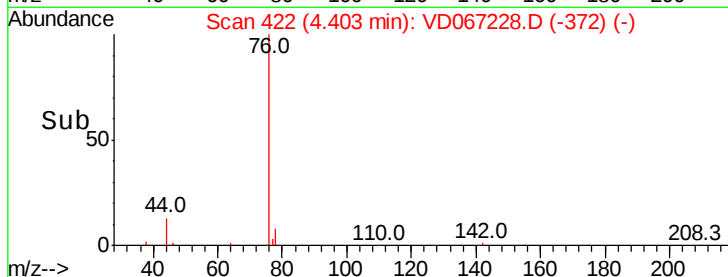
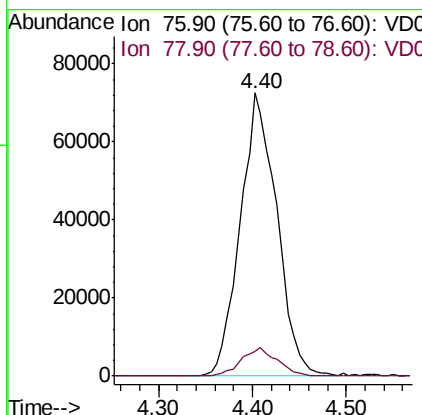
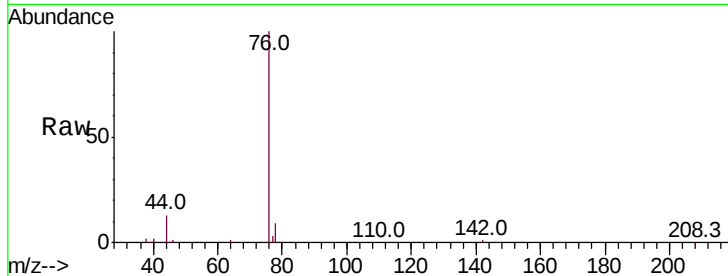




#17
Carbon Disulfide
Concen: 18.323 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

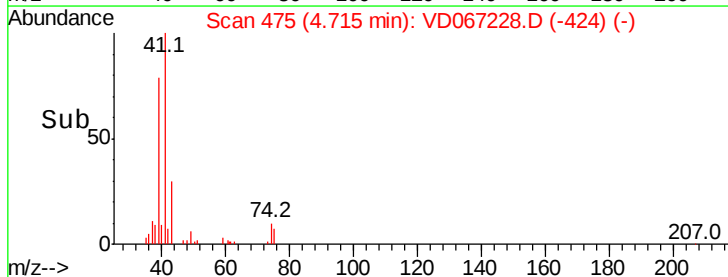
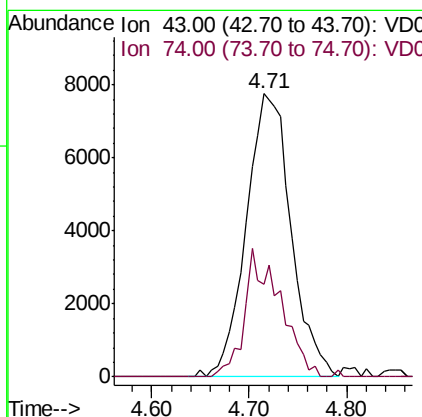
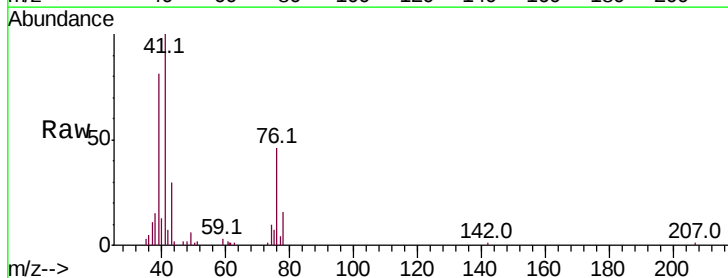
Instrument :
MSVOA_D
ClientSampleId :
VD1012SBSD01

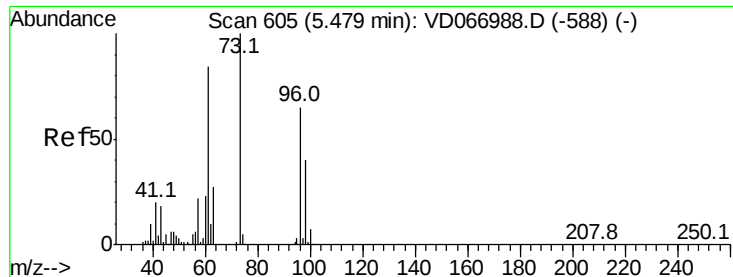
Tot Ion: 76 Resp: 195506
Ion Ratio Lower Upper
76 100
78 8.9 7.5 11.3



#18
Methyl Acetate
Concen: 18.262 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion: 43 Resp: 24889
Ion Ratio Lower Upper
43 100
74 36.2 21.5 32.3#



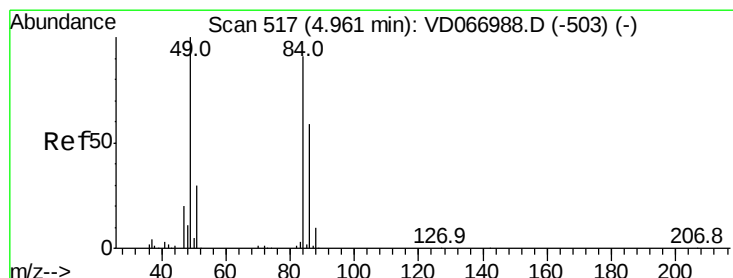
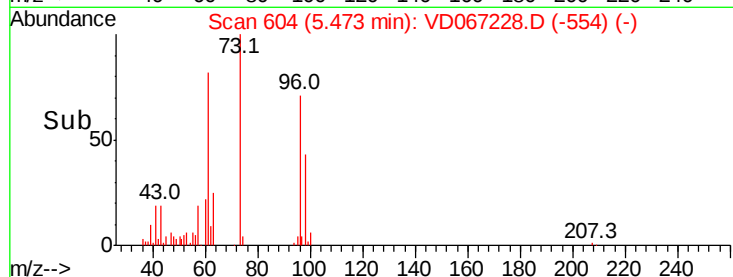
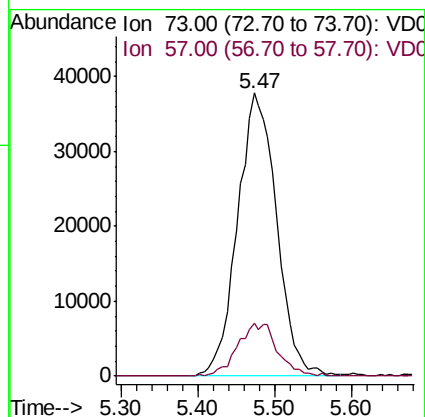
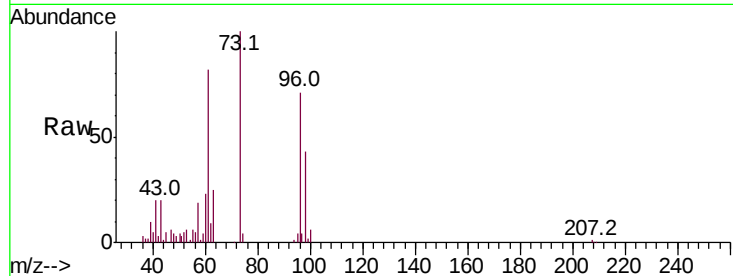


#19

Methyl tert-butyl Ether
 Concen: 21.159 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBSD01

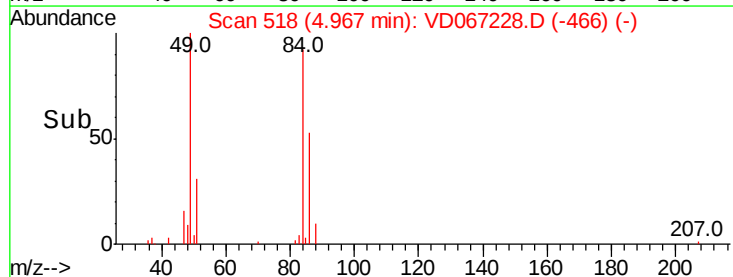
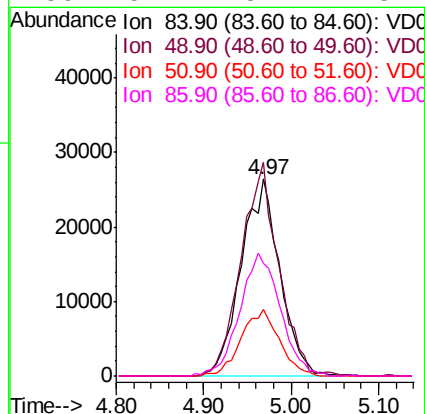
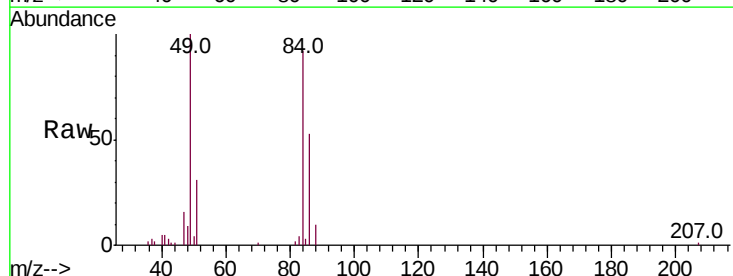
Tot Ion: 73 Resp: 134291
 Ion Ratio Lower Upper
 73 100
 57 18.8 17.4 26.0

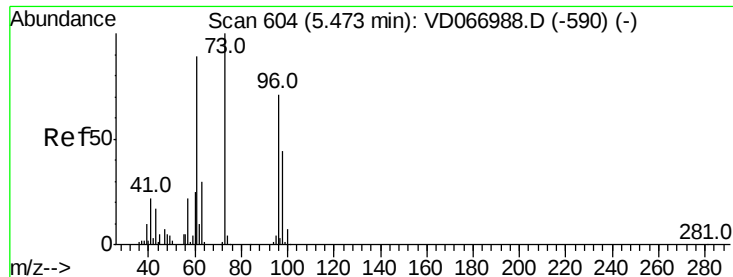


#20

Methylene Chloride
 Concen: 15.745 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

Tgt Ion: 84 Resp: 79767
 Ion Ratio Lower Upper
 84 100
 49 108.6 88.2 132.2
 51 33.7 26.6 39.8
 86 57.4 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 19.729 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBSD01

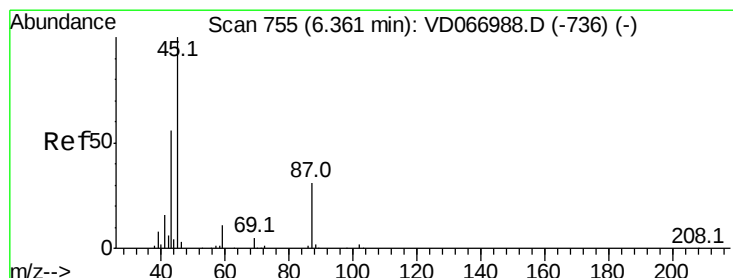
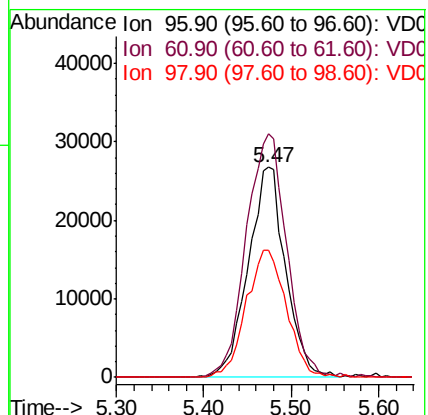
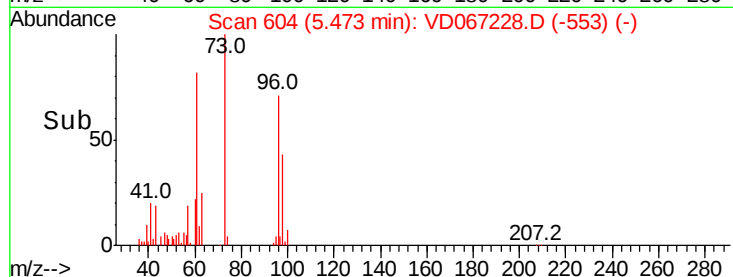
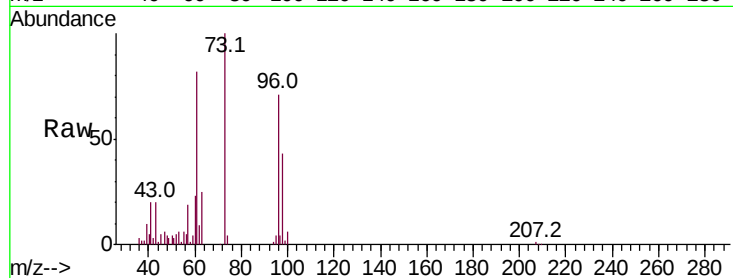
Tot Ion: 96 Resp: 78062

Ion Ratio Lower Upper

96 100

61 115.9 99.6 149.4

98 60.4 49.4 74.2



#22

Diisopropyl ether

Concen: 18.396 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Tgt Ion: 45 Resp: 151689

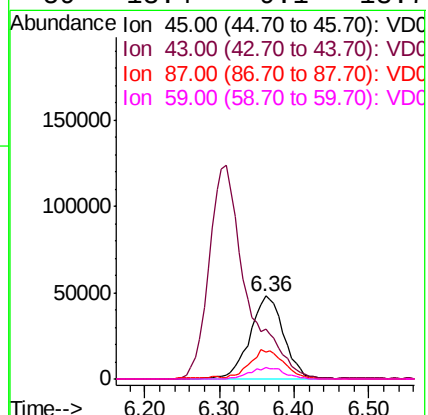
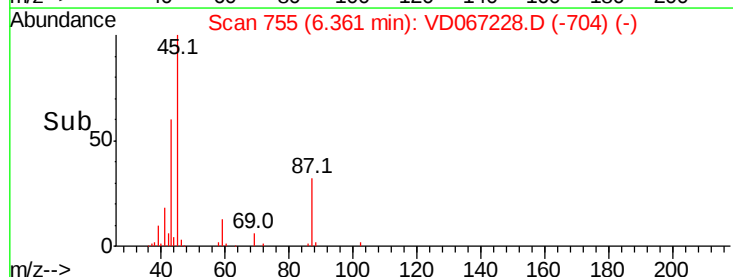
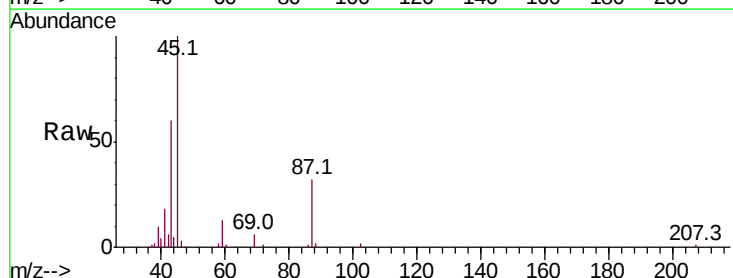
Ion Ratio Lower Upper

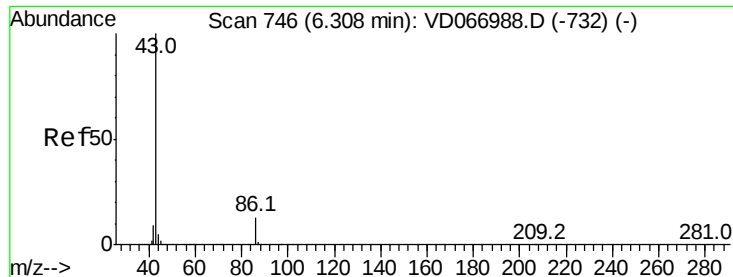
45 100

43 58.9 45.2 67.8

87 32.5 25.6 38.4

59 13.4 9.1 13.7





#23

Vinyl Acetate

Concen: 92.082 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

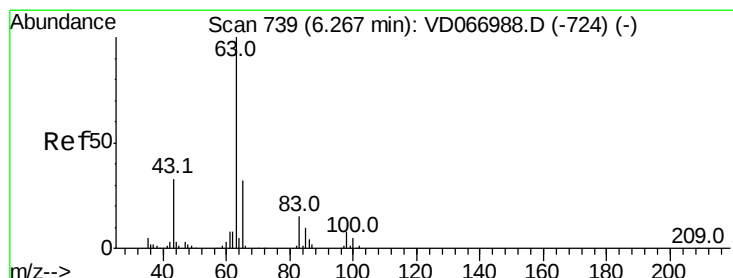
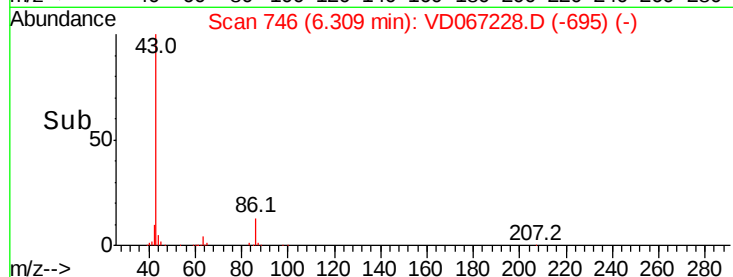
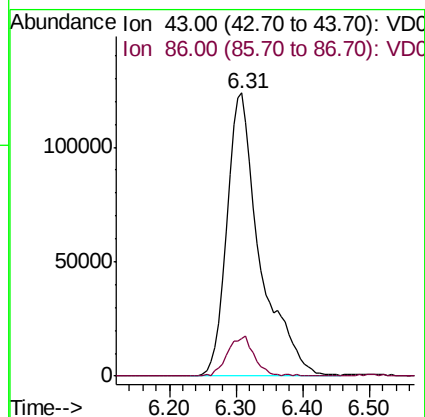
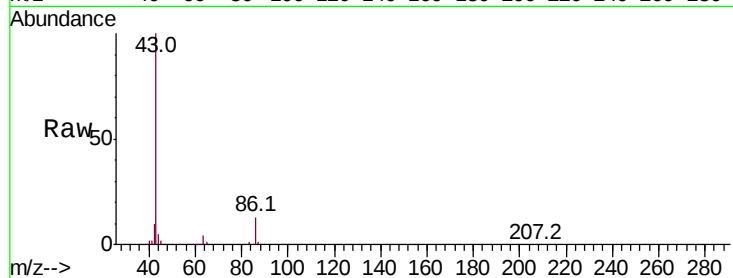
VD1012SBSD01

Tot Ion: 43 Resp: 430252

Ion Ratio Lower Upper

43 100

86 13.4 10.2 15.2



#24

1,1-Dichloroethane

Concen: 19.127 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

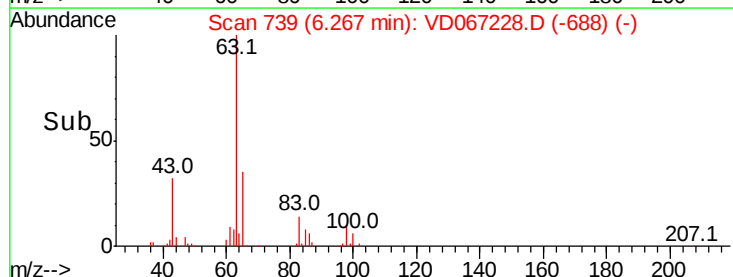
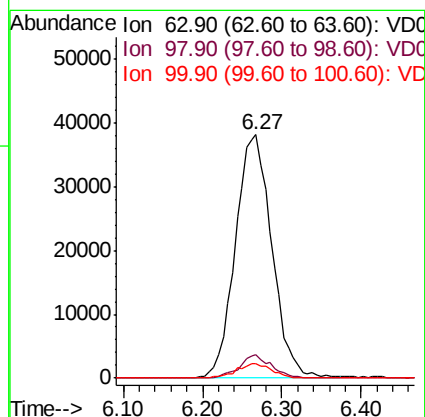
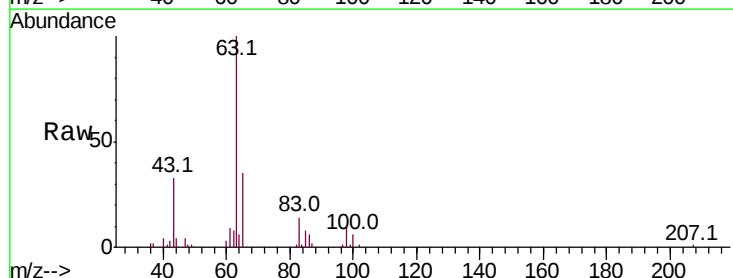
Tgt Ion: 63 Resp: 121713

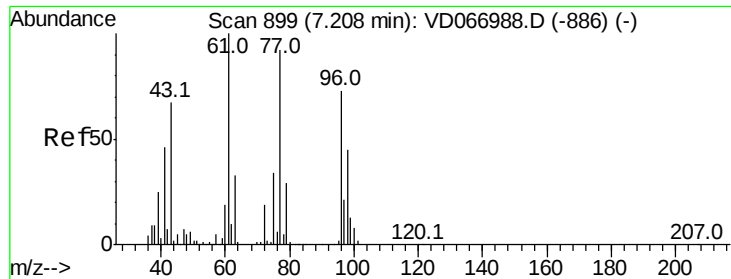
Ion Ratio Lower Upper

63 100

98 9.5 4.2 12.6

100 5.9 2.6 7.8

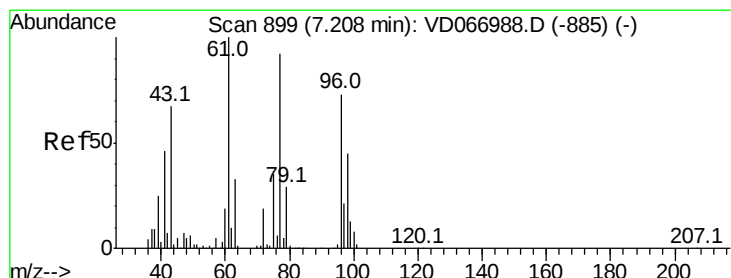
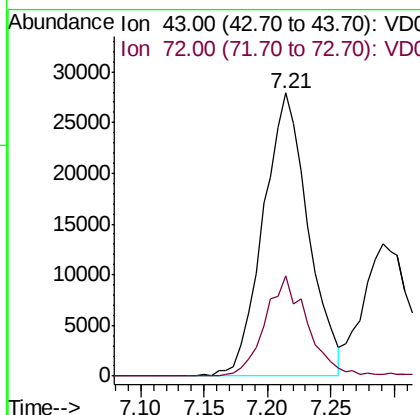
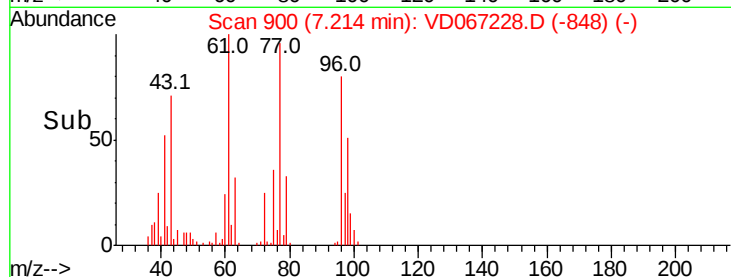
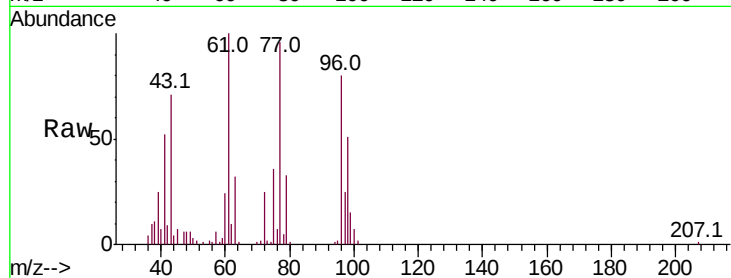




#25
2-Butanone
Concen: 89.747 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

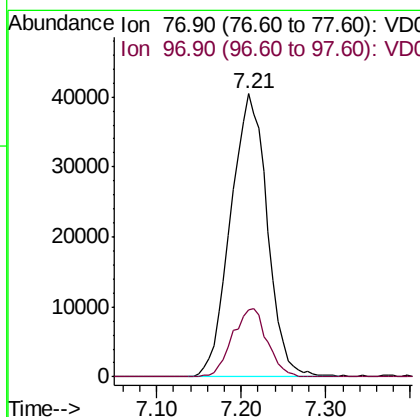
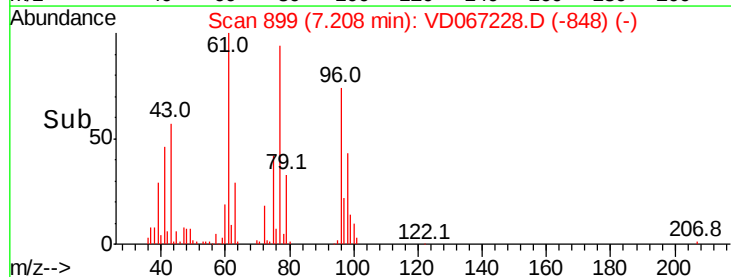
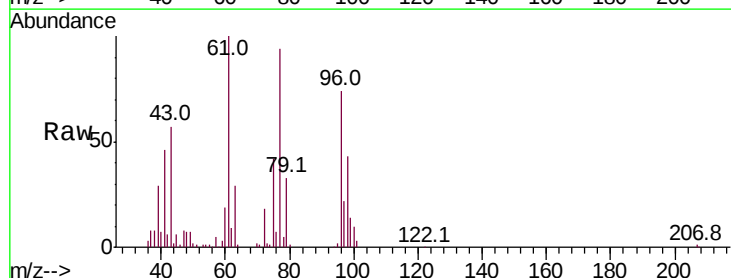
Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

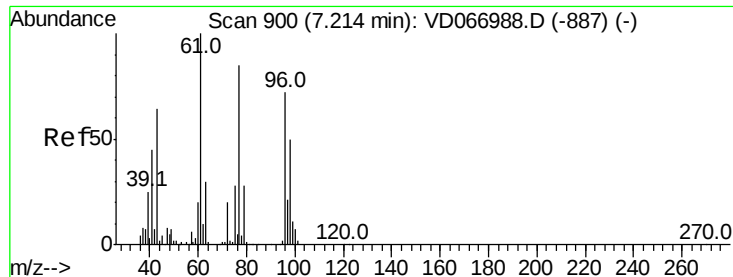
Tot Ion: 43 Resp: 68999
Ion Ratio Lower Upper
43 100
72 35.4 22.8 34.2#



#26
2,2-Dichloropropane
Concen: 19.920 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion: 77 Resp: 121896
Ion Ratio Lower Upper
77 100
97 22.7 11.4 34.2



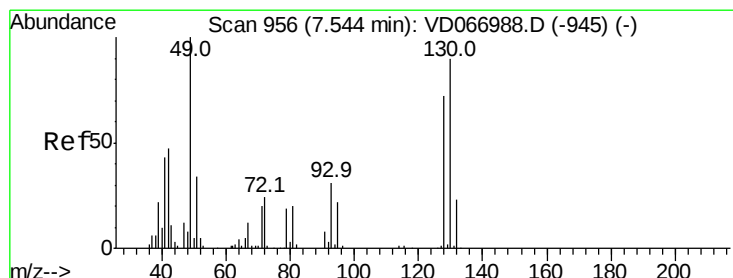
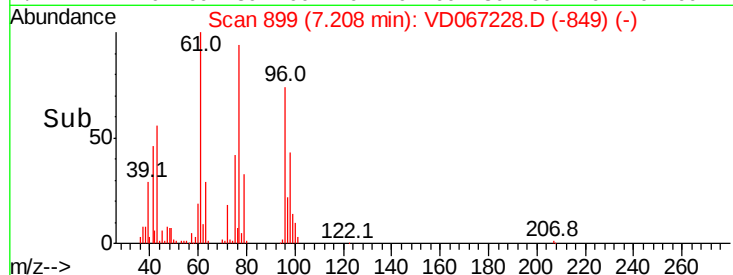
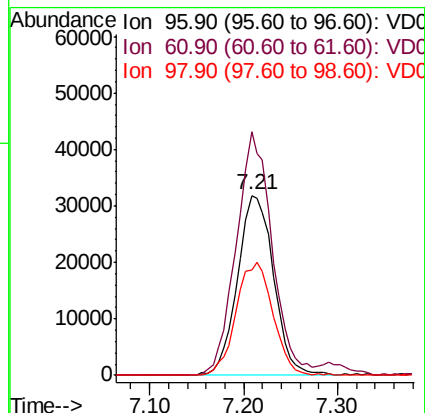
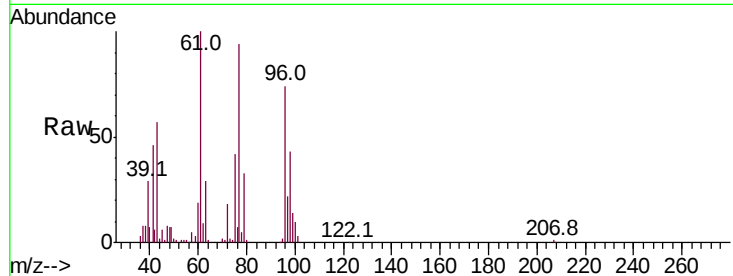


#27

cis-1,2-Dichloroethene
Concen: 20.067 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBSD01

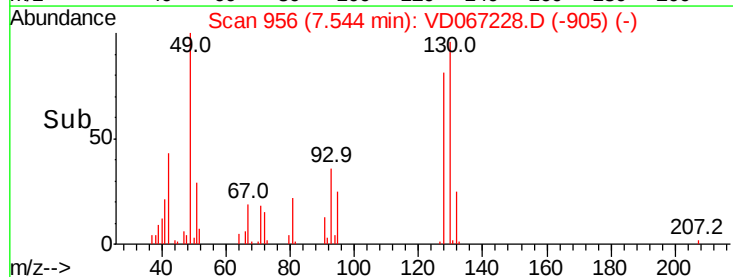
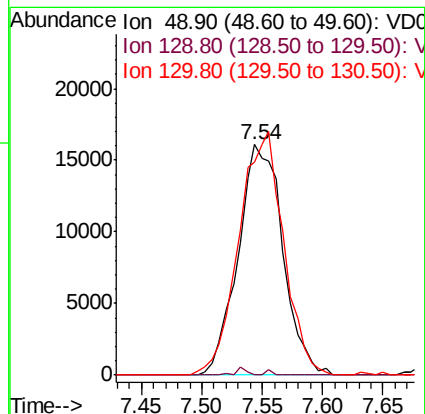
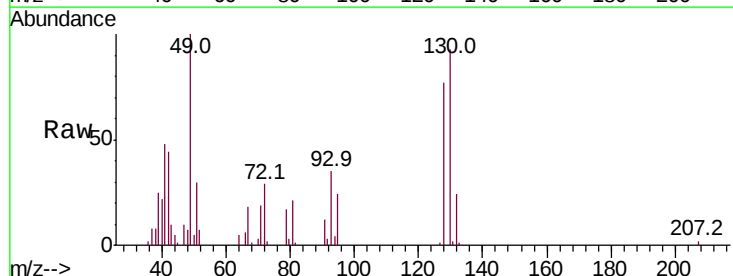
Tot Ion	96	Resp	84798
Ion Ratio	Lower	Upper	
96	100		
61	134.2	0.0	269.2
98	64.1	0.0	129.4

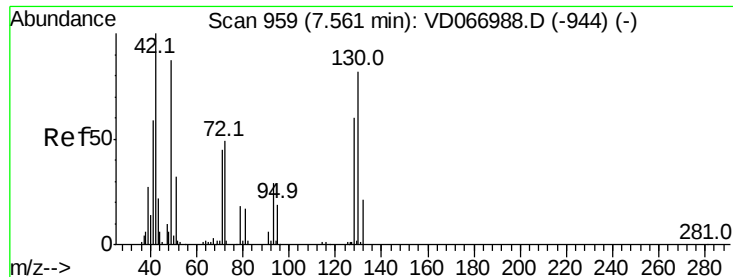


#28

Bromochloromethane
Concen: 16.843 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.00 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion	49	Resp	41391
Ion Ratio	Lower	Upper	
49	100		
129	0.3	0.0	4.6
130	105.6	74.1	111.1

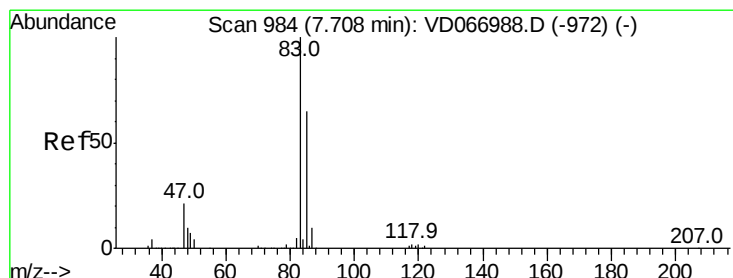
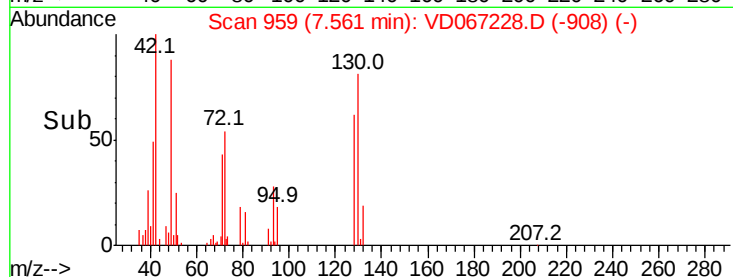
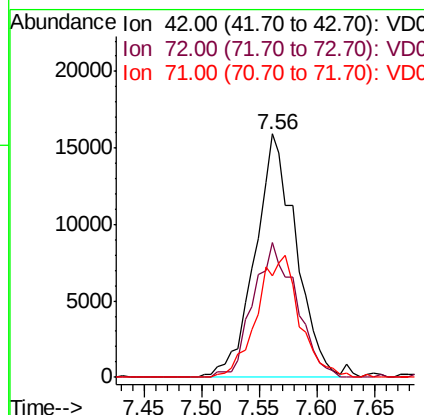
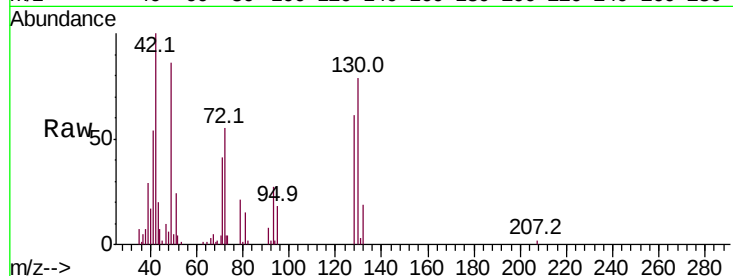




#29
Tetrahydrofuran
Concen: 88.761 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

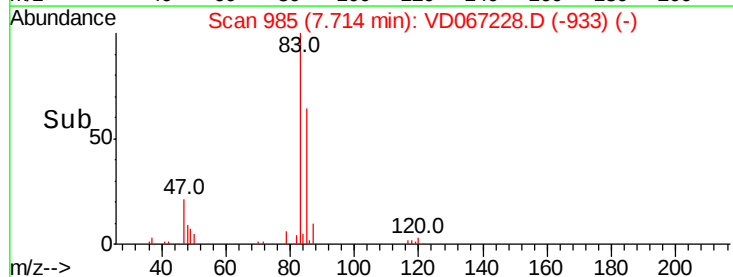
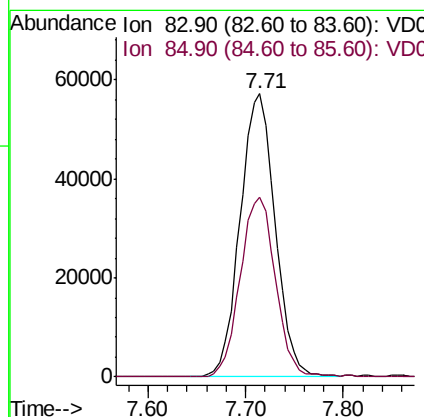
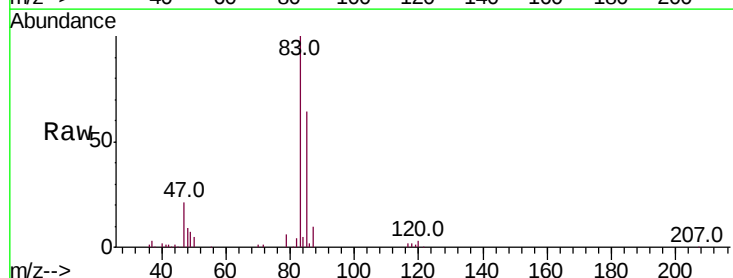
Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

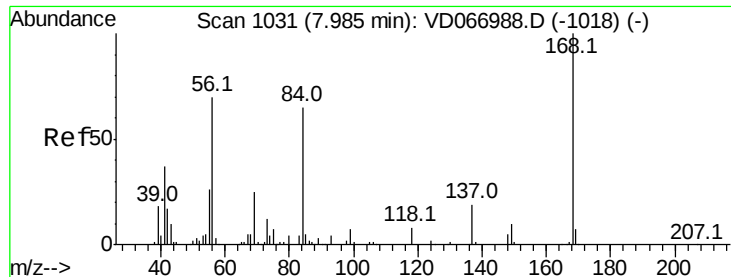
Tot Ion: 42 Resp: 39238
Ion Ratio Lower Upper
42 100
72 58.4 39.1 58.7
71 51.8 34.2 51.4#



#30
Chloroform
Concen: 20.647 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion: 83 Resp: 142530
Ion Ratio Lower Upper
83 100
85 63.5 52.3 78.5

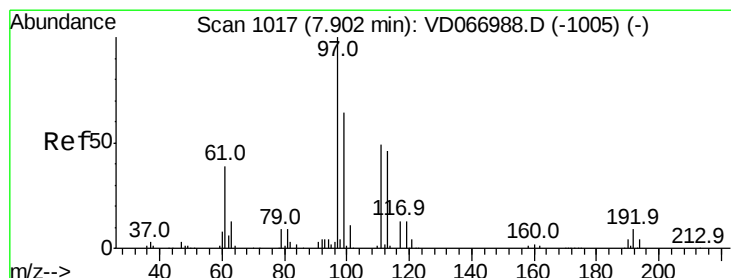
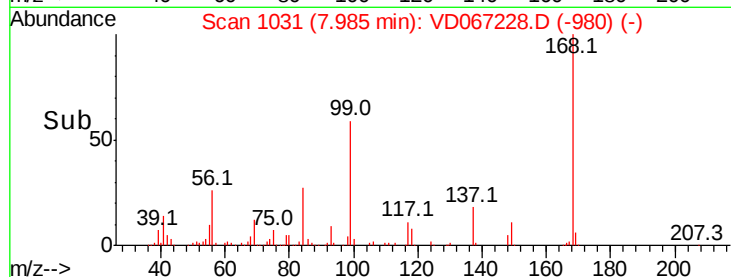
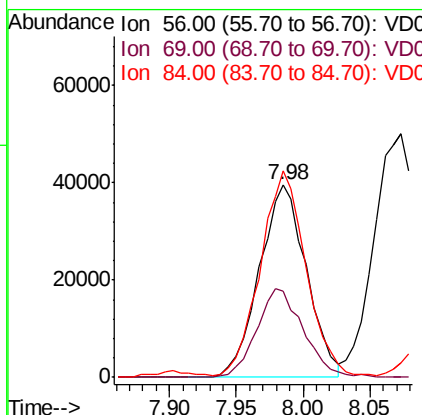
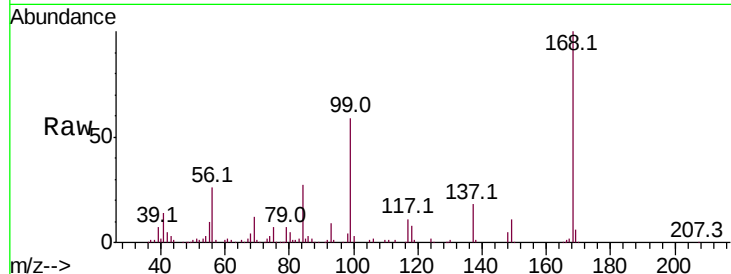




#31
Cyclohexane
Concen: 18.159 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

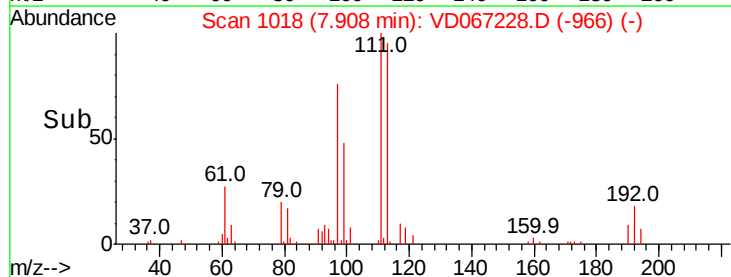
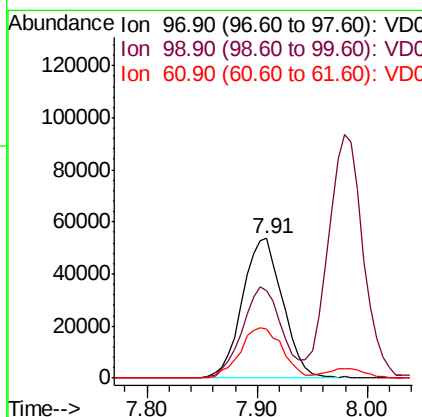
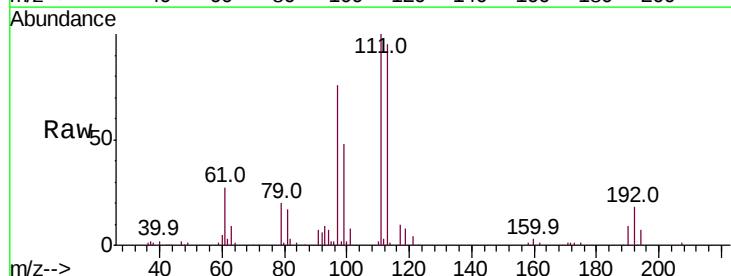
Instrument :
MSVOA_D
ClientSampleId :
VD1012SBSD01

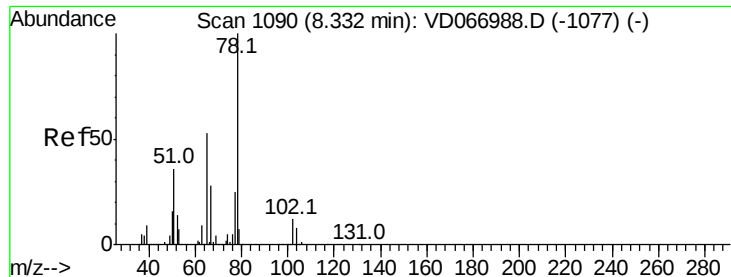
Tot Ion: 56 Resp: 96878
Ion Ratio Lower Upper
56 100
69 45.0 29.0 43.6#
84 104.8 74.2 111.2



#32
1,1,1-Trichloroethane
Concen: 21.577 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion: 97 Resp: 138037
Ion Ratio Lower Upper
97 100
99 65.0 52.6 78.8
61 37.6 32.8 49.2





#33

1,2-Dichloroethane-d4

Concen: 49.034 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

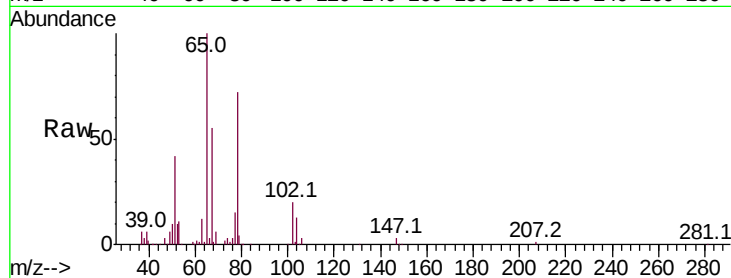
VD1012SBSD01

Tot Ion: 65 Resp: 174187

Ion Ratio Lower Upper

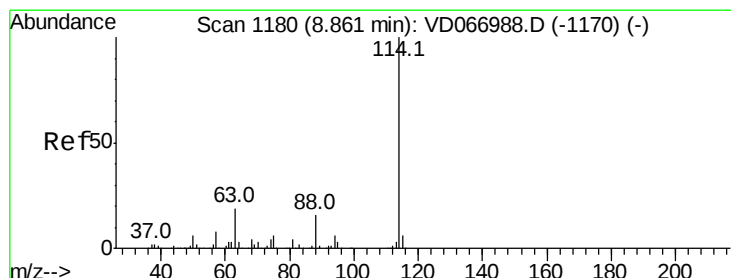
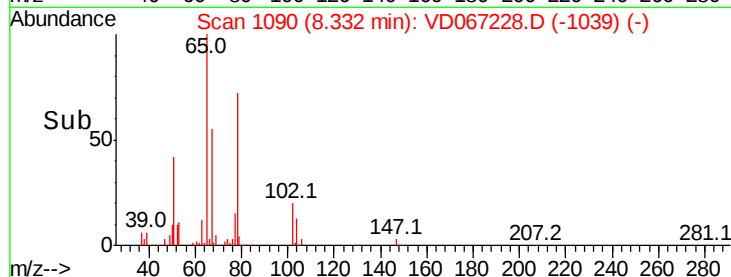
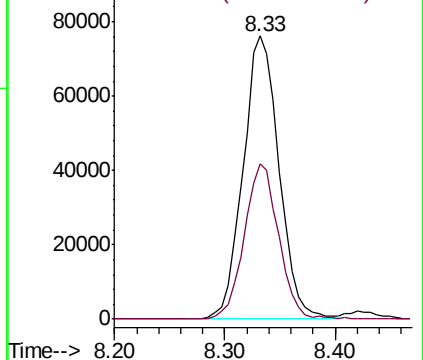
65 100

67 52.5 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

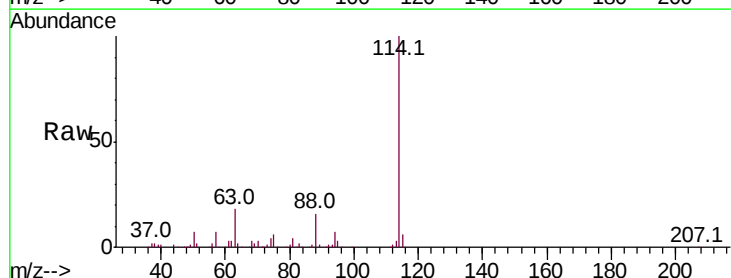
Tgt Ion: 114 Resp: 545201

Ion Ratio Lower Upper

114 100

63 18.1 0.0 38.4

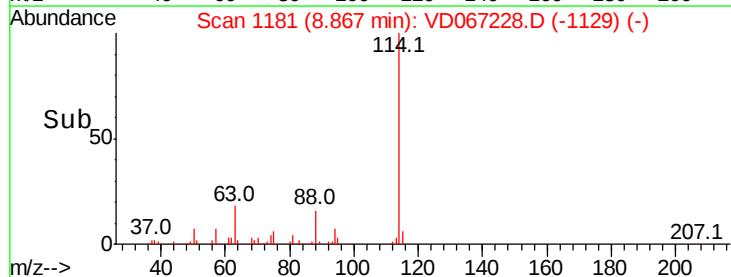
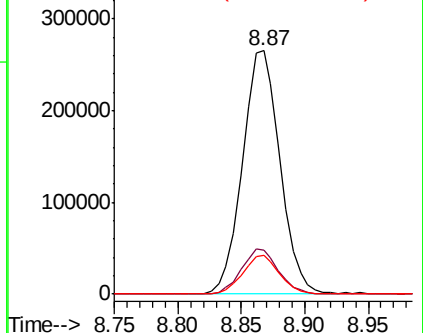
88 16.1 0.0 31.2

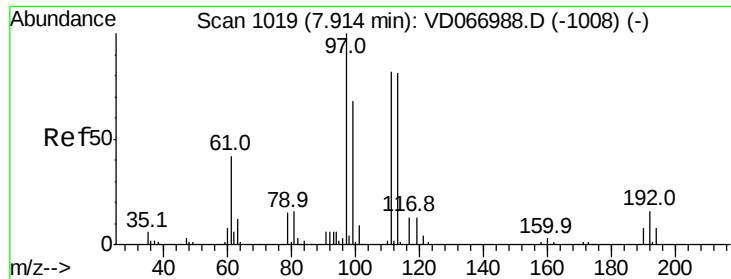


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

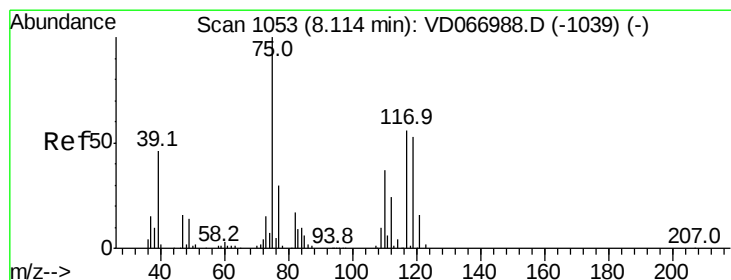
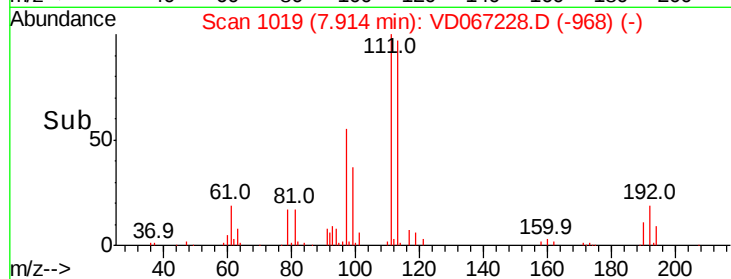
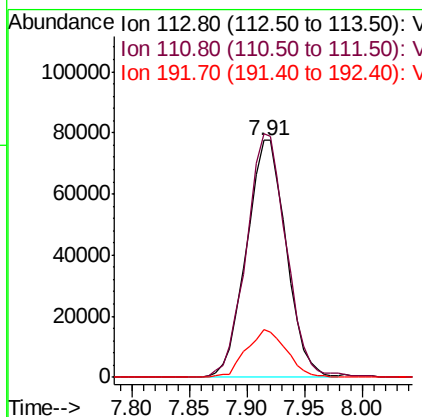
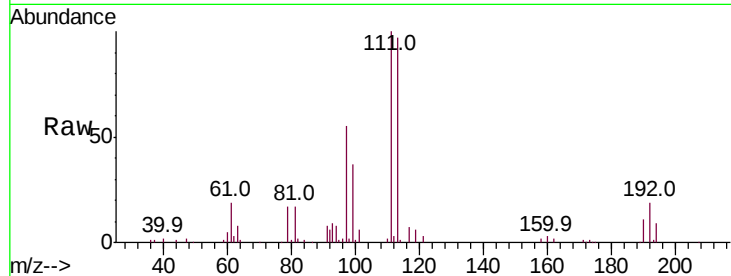




#35
 Dibromofluoromethane
 Concen: 52.278 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

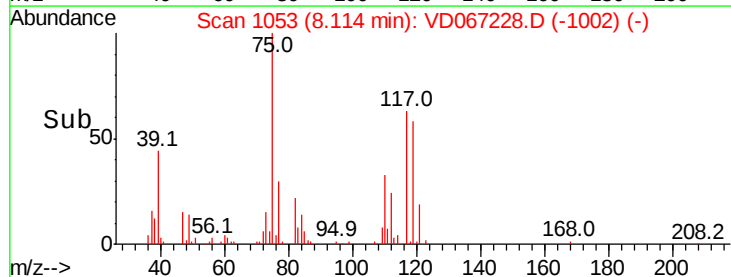
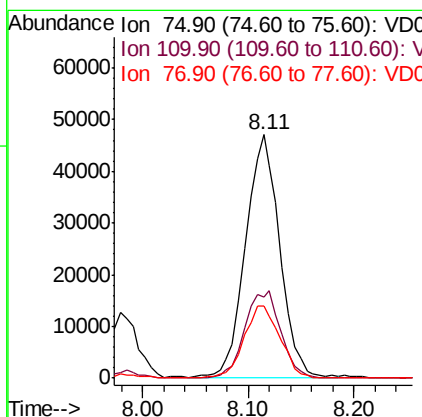
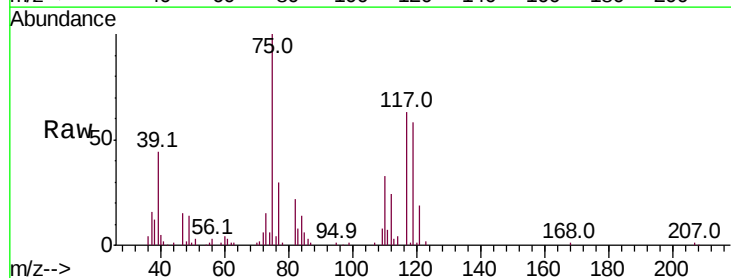
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBSD01

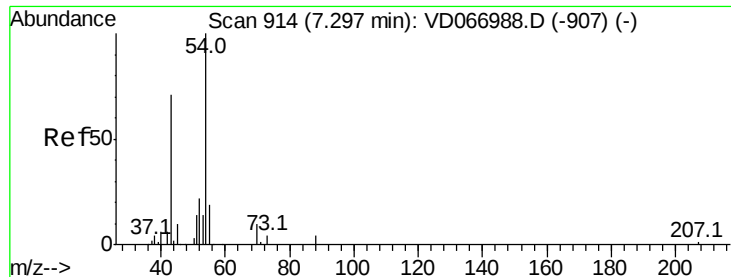
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.0	124.4
192	20.3	15.5	23.3



#36
 1,1-Dichloropropene
 Concen: 20.952 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.4	18.4	55.0
77	31.2	24.8	37.2

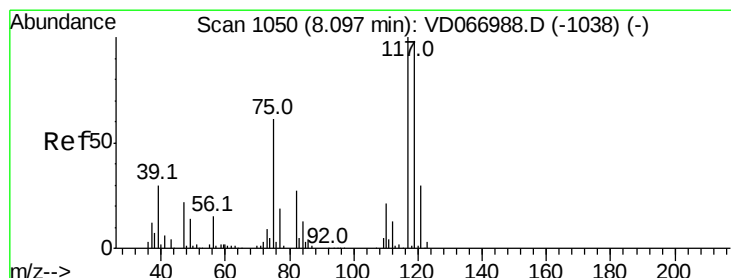
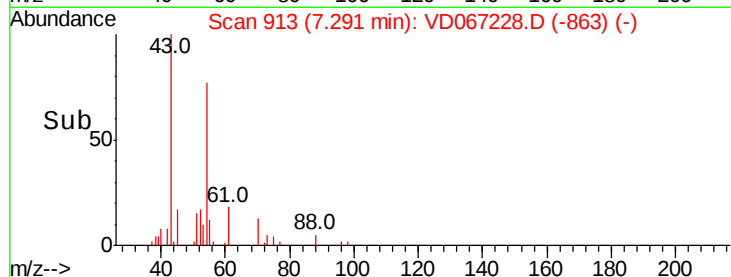
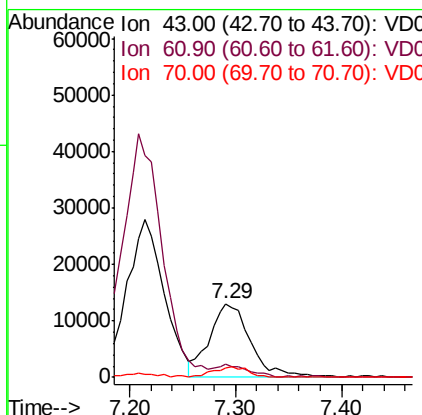
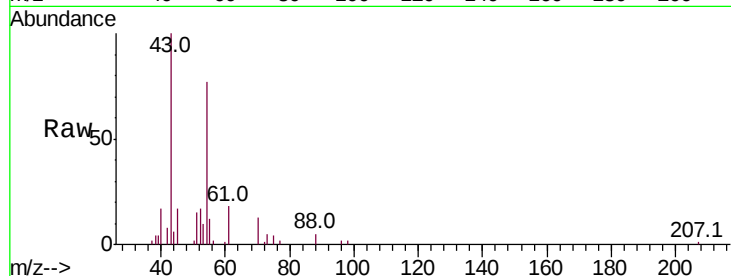




#37
Ethyl Acetate
Concen: 20.003 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

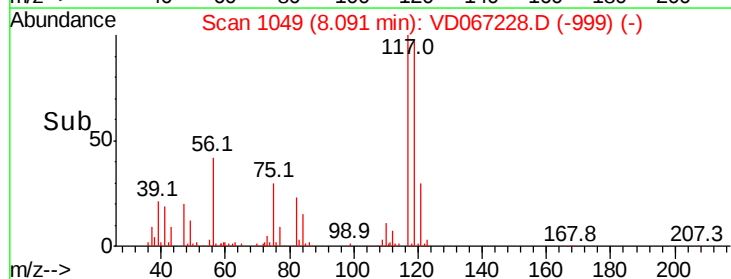
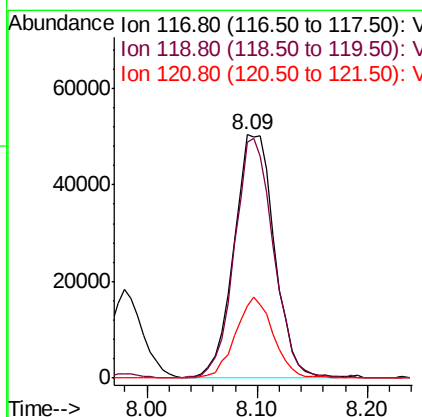
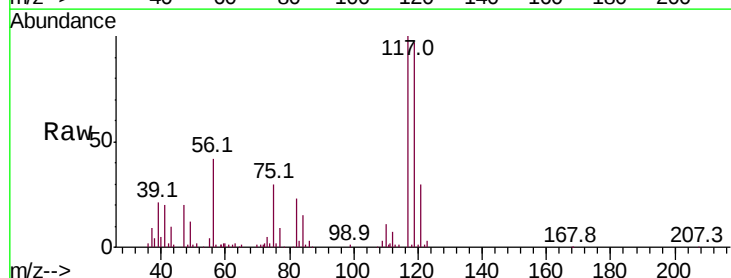
Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

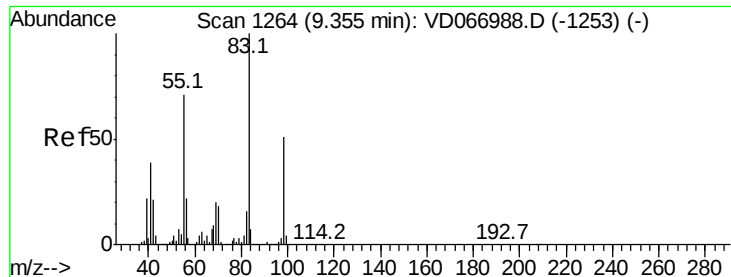
Tot Ion: 43 Resp: 35216
Ion Ratio Lower Upper
43 100
61 11.1 12.5 18.7#
70 12.0 9.4 14.0



#38
Carbon Tetrachloride
Concen: 23.622 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion: 117 Resp: 129886
Ion Ratio Lower Upper
117 100
119 96.3 78.7 118.1
121 29.9 24.2 36.2

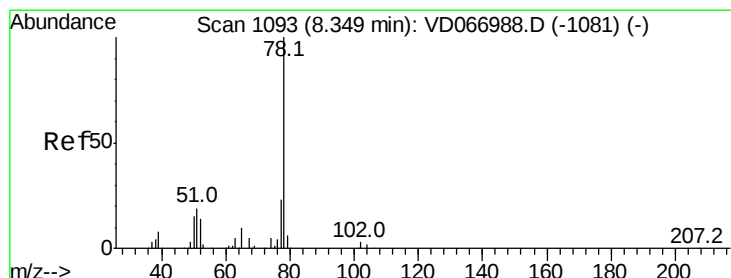
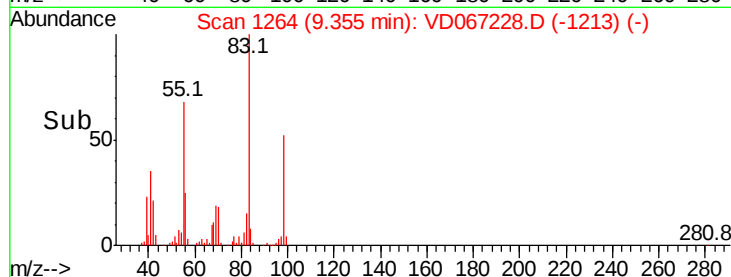
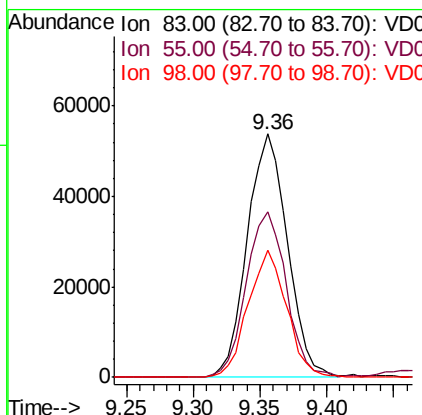
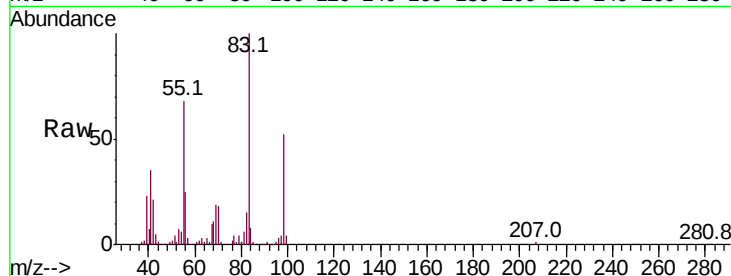




#39
Methvlcvclohexane
Concen: 20.846 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

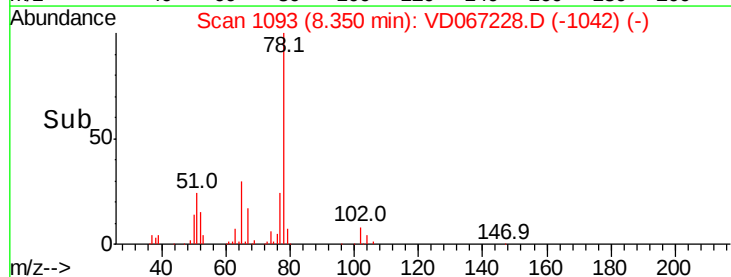
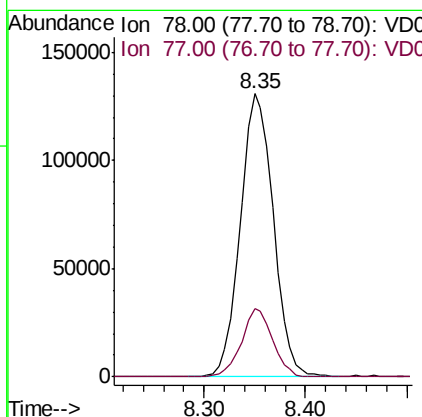
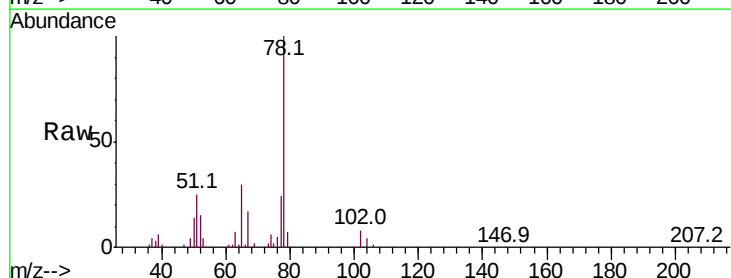
Instrument :
MSVOA_D
ClientSampleId :
VD1012SBSD01

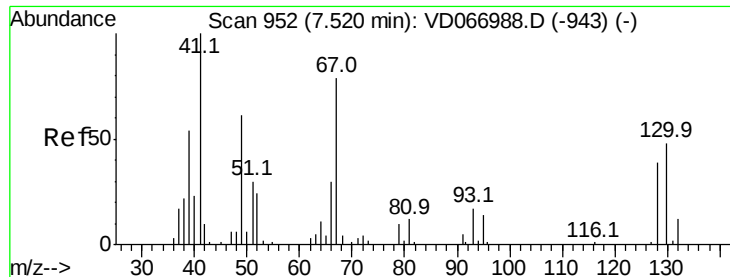
Tot Ion: 83 Resp: 112001
Ion Ratio Lower Upper
83 100
55 68.0 57.1 85.7
98 52.1 40.9 61.3



#40
Benzene
Concen: 21.009 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion: 78 Resp: 296540
Ion Ratio Lower Upper
78 100
77 24.4 18.4 27.6





#41

Methacrylonitrile

Concen: 15.823 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.01 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBSD01

Tot Ion: 41 Resp: 15049

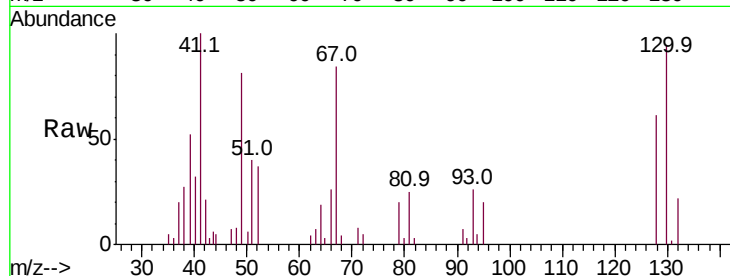
Ion Ratio Lower Upper

41 100

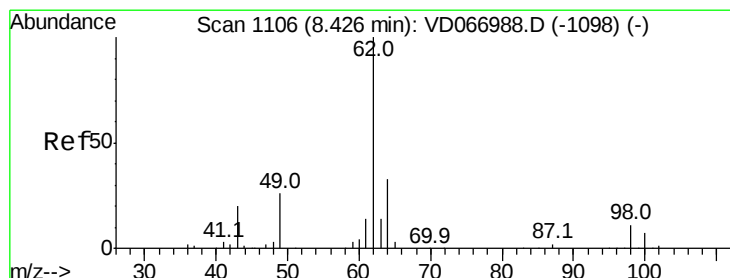
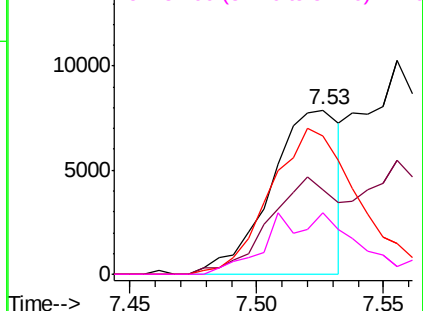
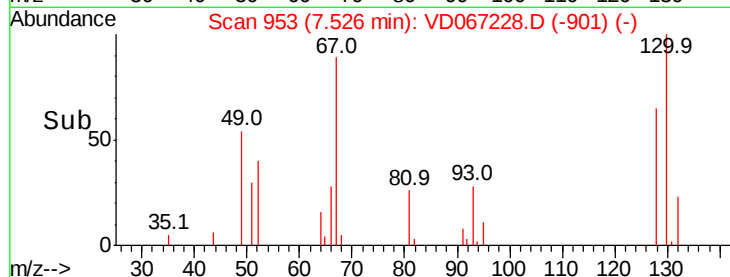
39 56.1 0.0 0.0#

67 111.7 0.0 0.0#

52 48.1 0.0 0.0#



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



#42

1,2-Dichloroethane

Concen: 21.879 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067228.D

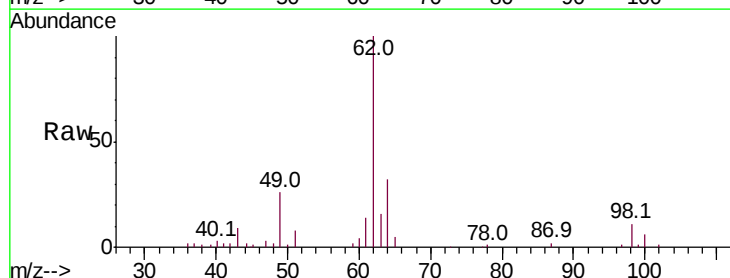
Acq: 12 Oct 2020 12:35

Tgt Ion: 62 Resp: 86295

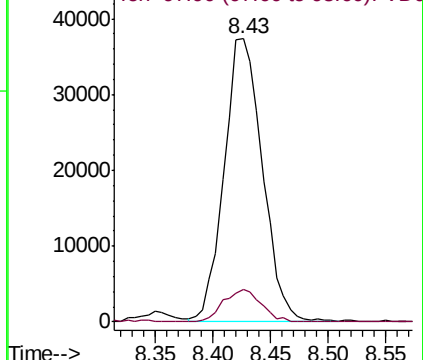
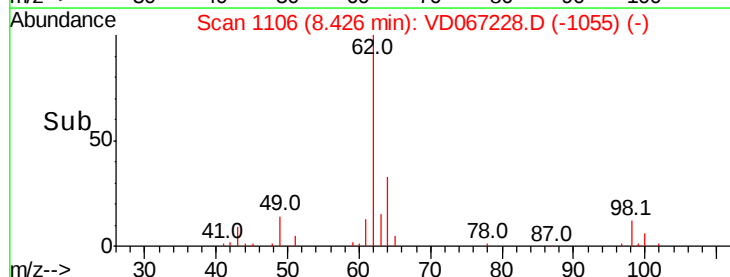
Ion Ratio Lower Upper

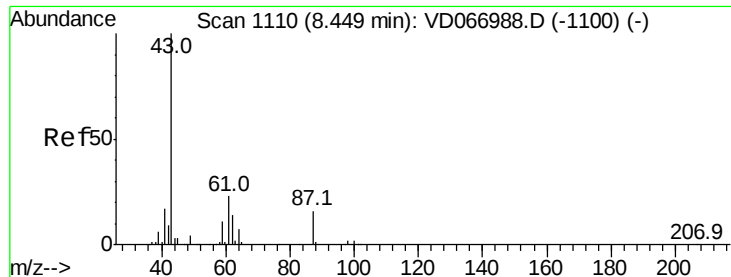
62 100

98 11.2 0.0 22.6



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





#43

Isopropyl Acetate

Concen: 19.416 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBS01

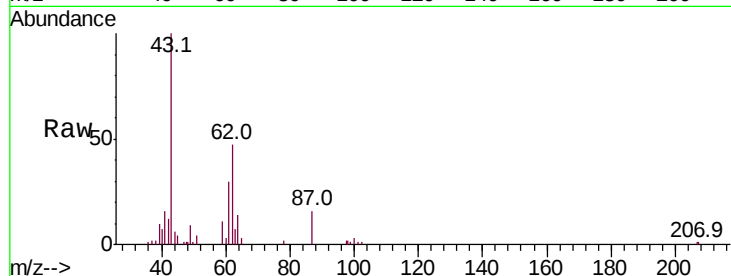
Tot Ion: 43 Resp: 62972

Ion Ratio Lower Upper

43 100

61 35.4 27.1 40.7

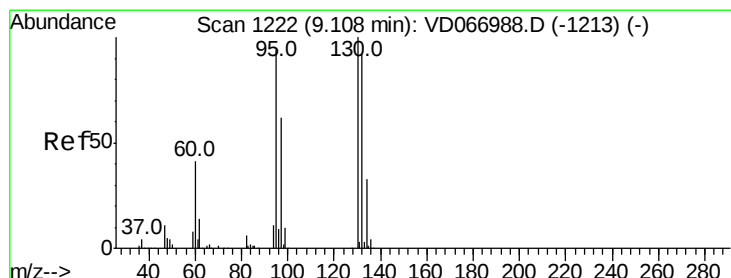
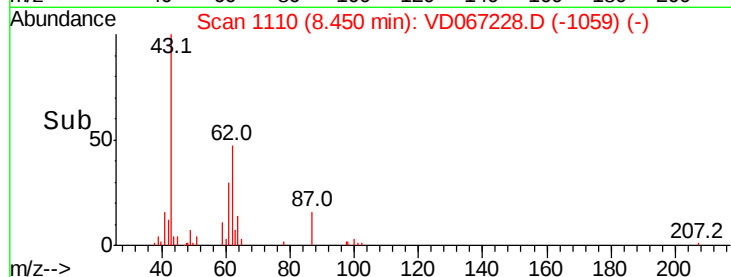
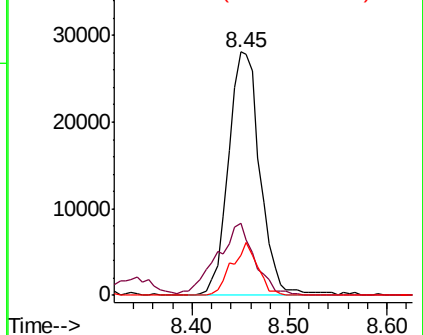
87 17.9 12.3 18.5



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: 21.231 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.01 min

Lab File: VD067228.D

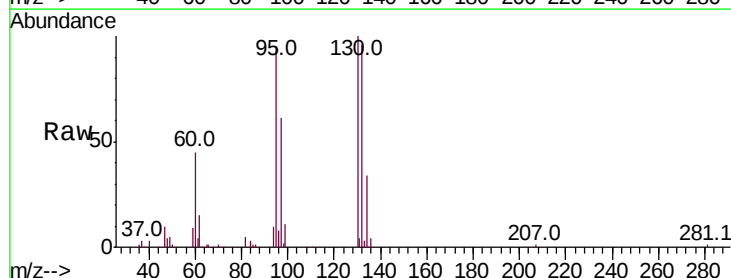
Acq: 12 Oct 2020 12:35

Tgt Ion:130 Resp: 89489

Ion Ratio Lower Upper

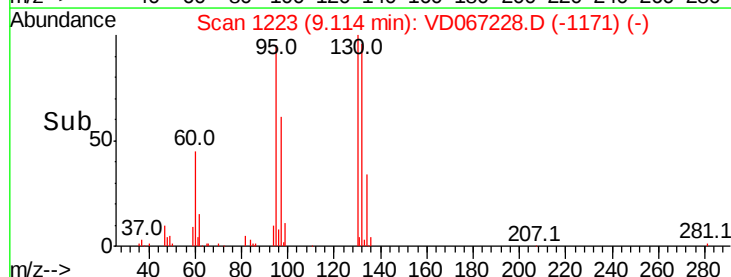
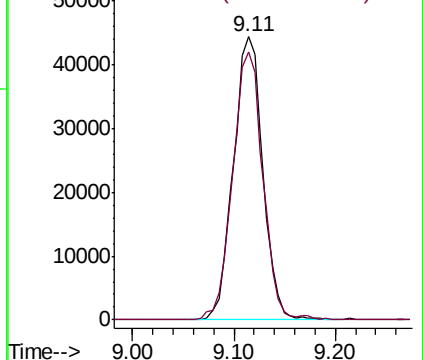
130 100

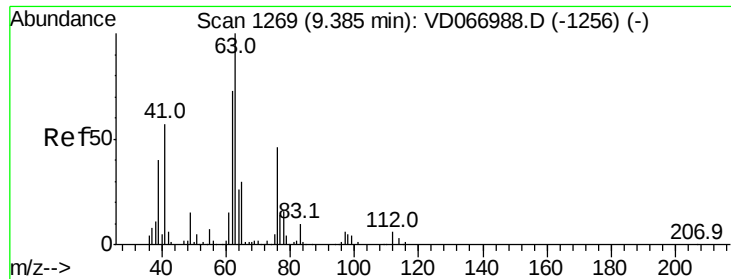
95 94.8 0.0 187.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.537 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

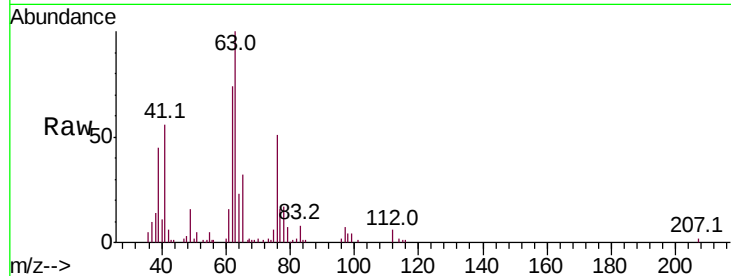
VD1012SBSD01

Tot Ion: 63 Resp: 68112

Ion Ratio Lower Upper

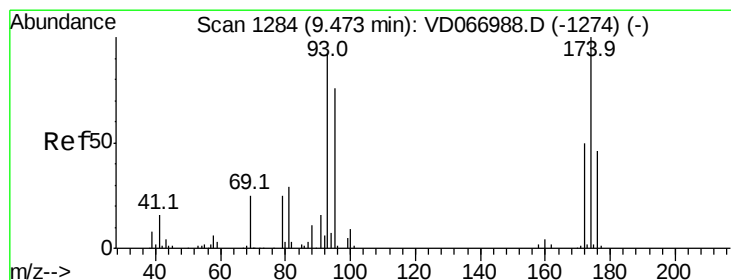
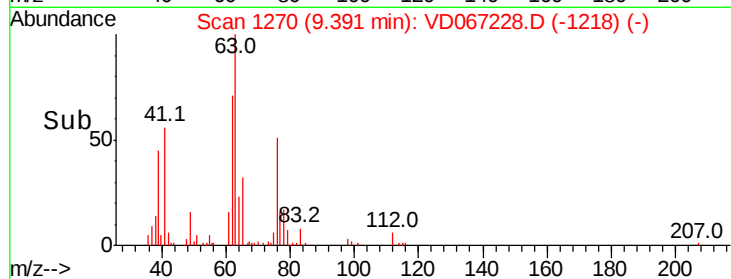
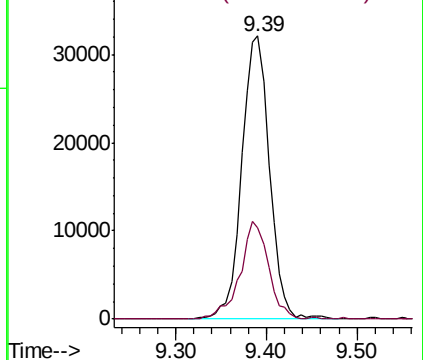
63 100

65 32.4 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.563 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

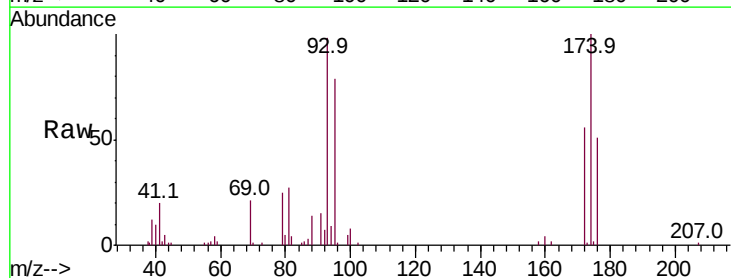
Tgt Ion: 93 Resp: 41103

Ion Ratio Lower Upper

93 100

95 85.1 64.7 97.1

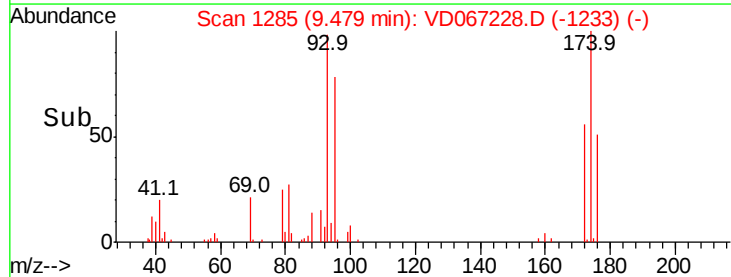
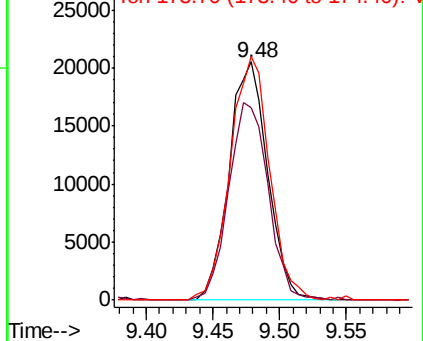
174 104.6 81.4 122.2

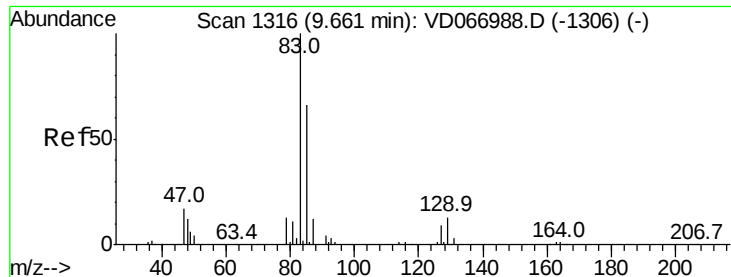


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.985 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBSD01

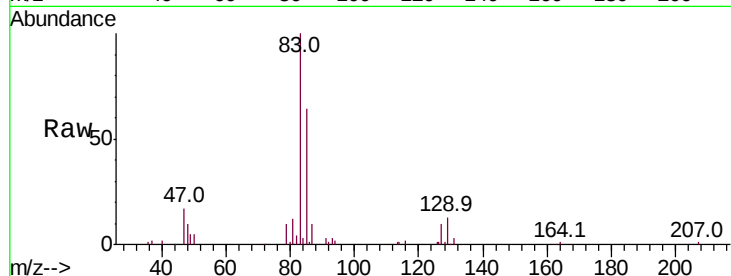
Tot Ion: 83 Resp: 108938

Ion Ratio Lower Upper

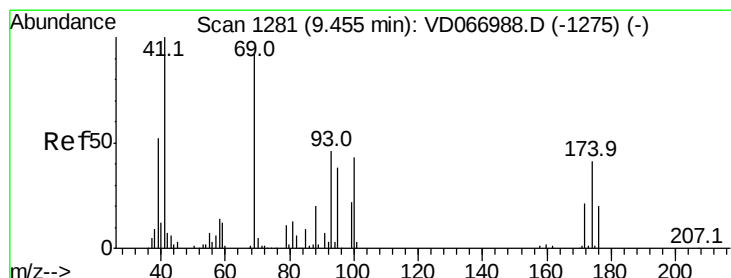
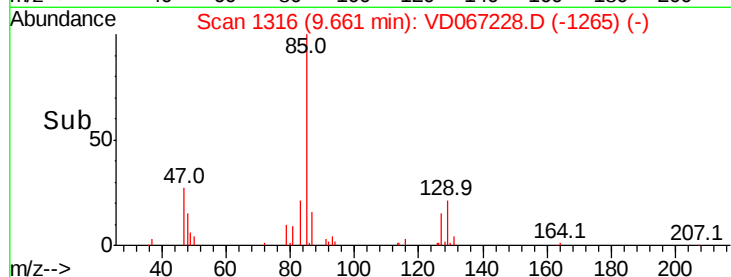
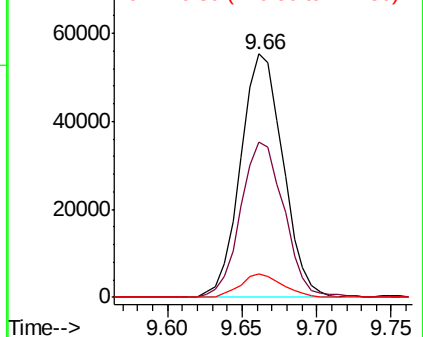
83 100

85 64.0 52.9 79.3

127 9.7 7.3 10.9



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: 19.333 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

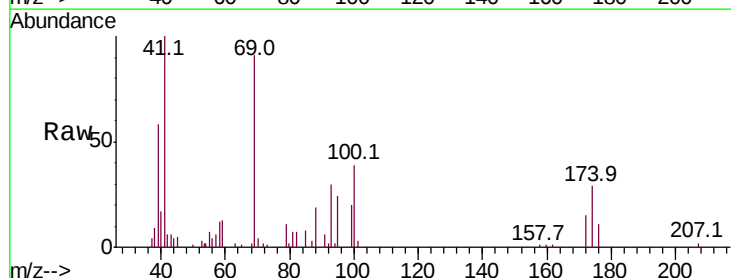
Tgt Ion: 41 Resp: 32122

Ion Ratio Lower Upper

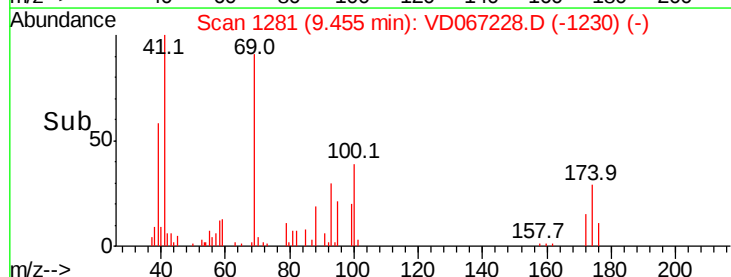
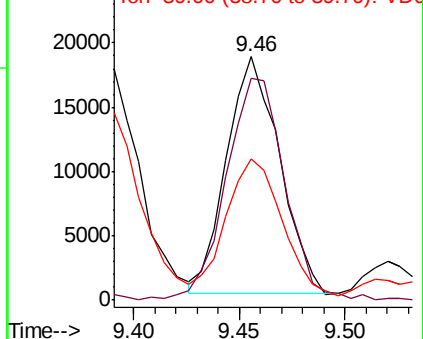
41 100

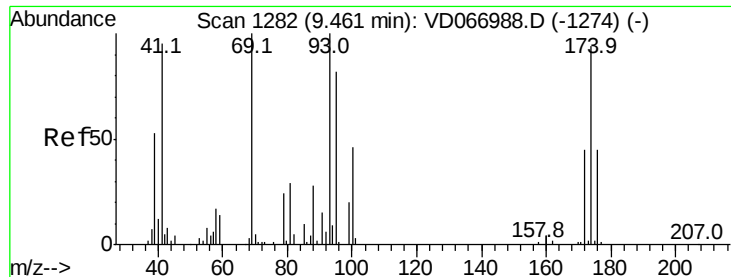
69 103.8 68.5 102.7#

39 65.2 40.2 60.2#



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

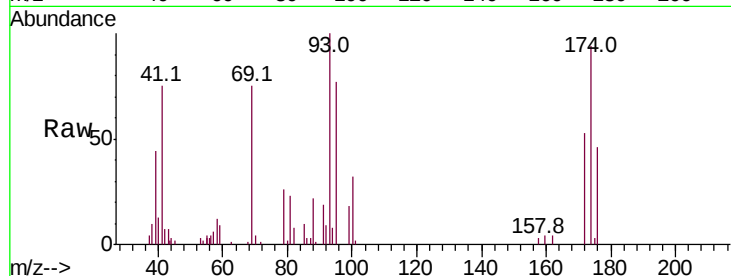




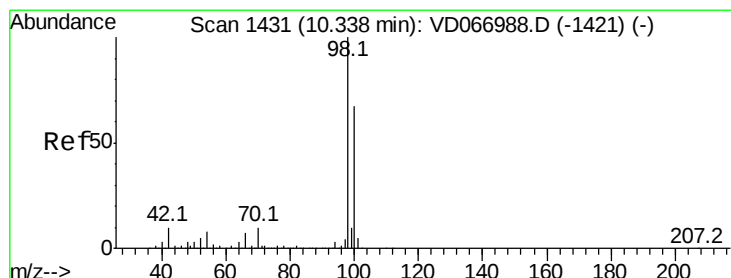
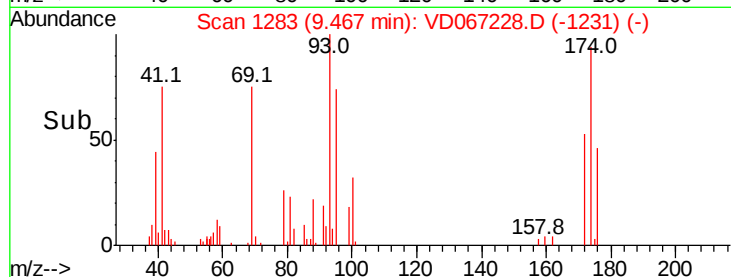
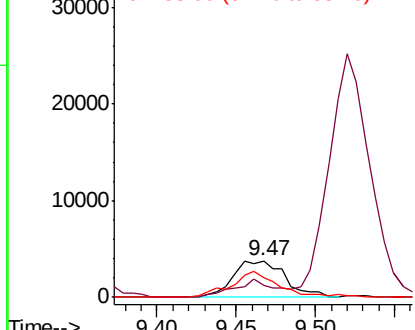
#49
1,4-Dioxane
Concen: 430.874 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBSD01

Tot Ion: 88 Resp: 8572
Ion Ratio Lower Upper
88 100
43 39.1 25.6 38.4#
58 63.5 53.5 80.3

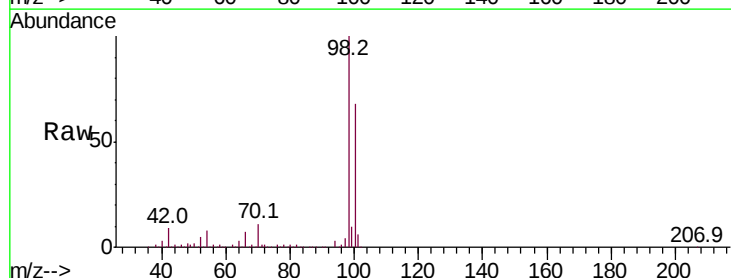


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

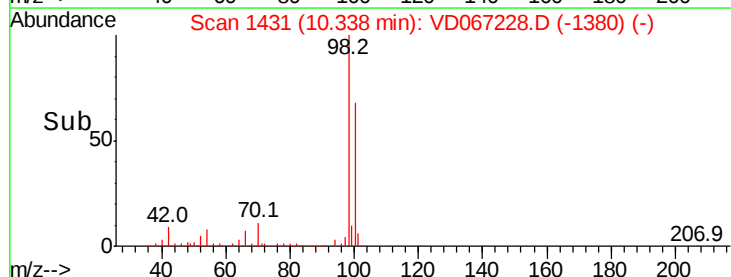
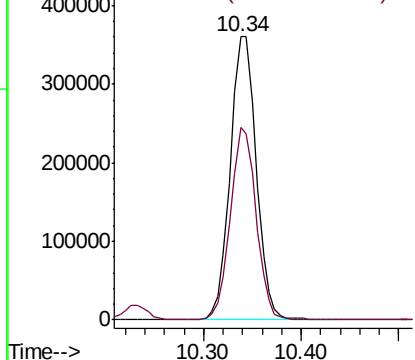


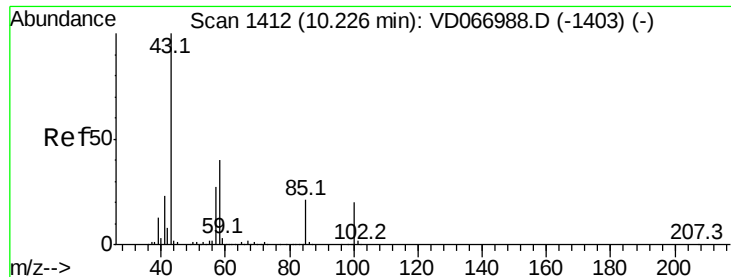
#50
Toluene-d8
Concen: 51.714 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion: 98 Resp: 672605
Ion Ratio Lower Upper
98 100
100 66.9 52.8 79.2



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: 98.483 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.01 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

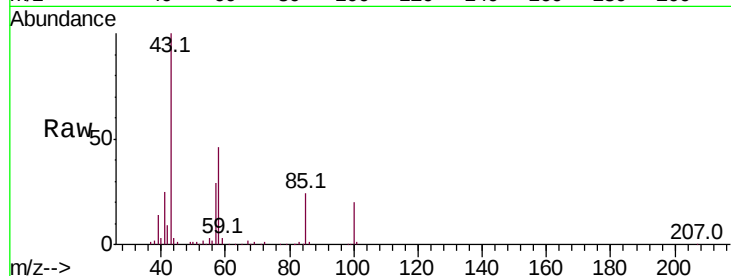
VD1012SBS01

Tot Ion: 43 Resp: 159094

Ion Ratio Lower Upper

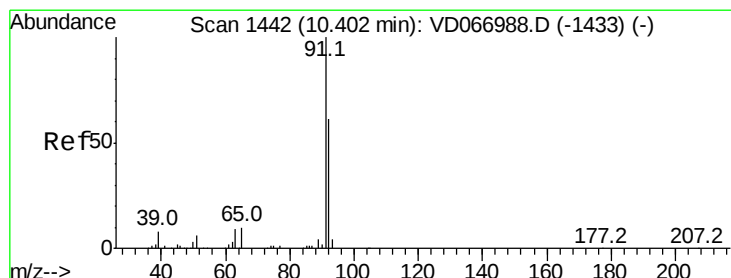
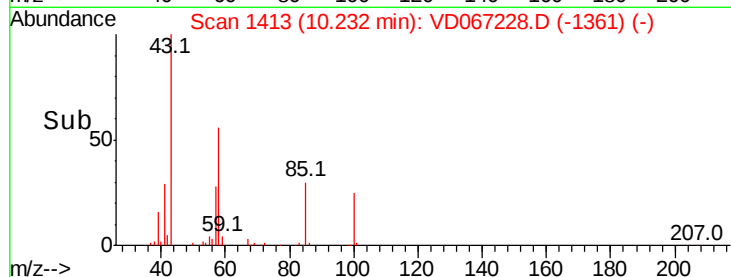
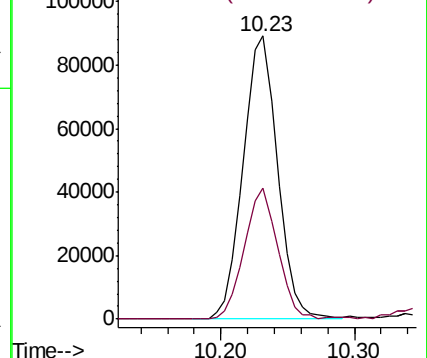
43 100

58 44.7 33.8 50.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 22.133 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD067228.D

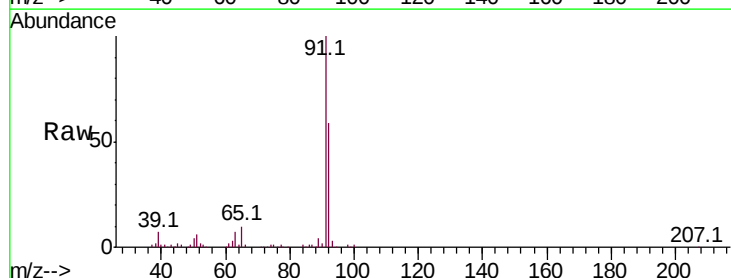
Acq: 12 Oct 2020 12:35

Tgt Ion: 92 Resp: 201250

Ion Ratio Lower Upper

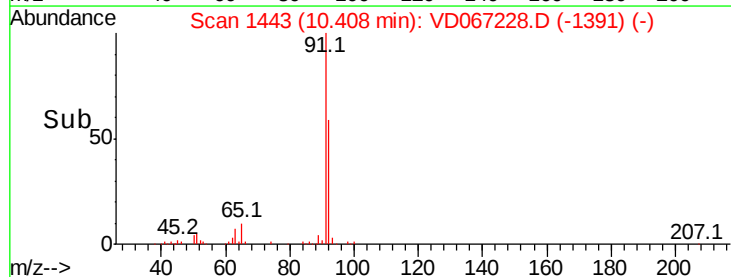
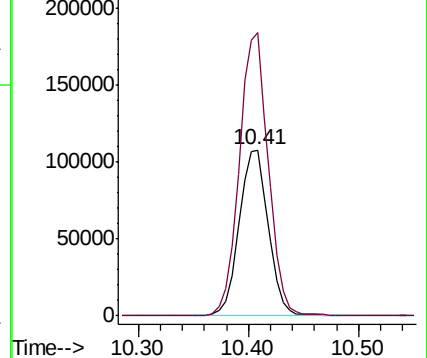
92 100

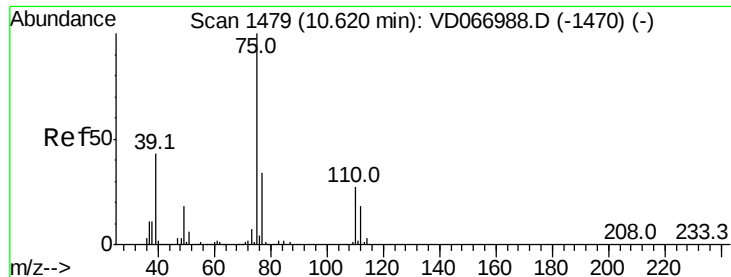
91 168.9 135.1 202.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 22.077 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

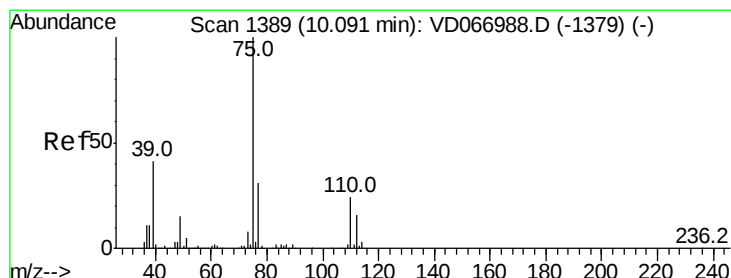
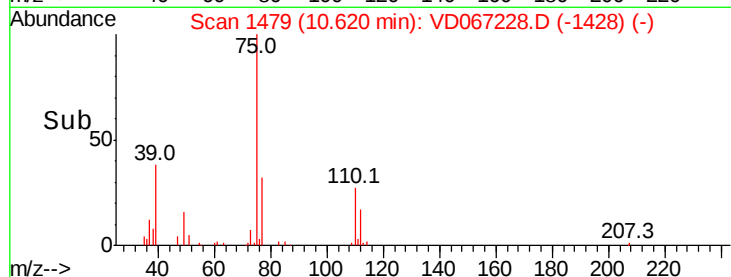
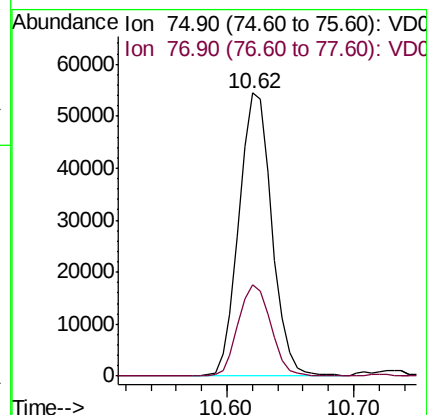
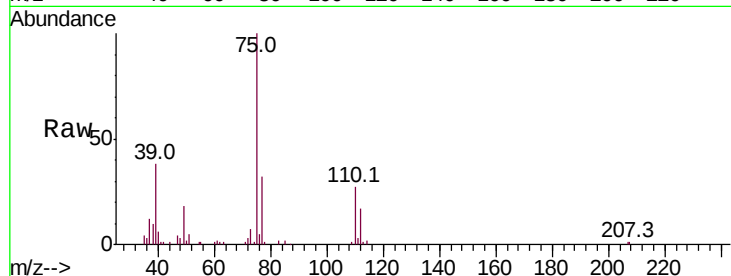
VD1012SBS01

Tot Ion: 75 Resp: 97765

Ion Ratio Lower Upper

75 100

77 32.4 27.1 40.7



#54

cis-1,3-Dichloropropene

Concen: 21.376 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

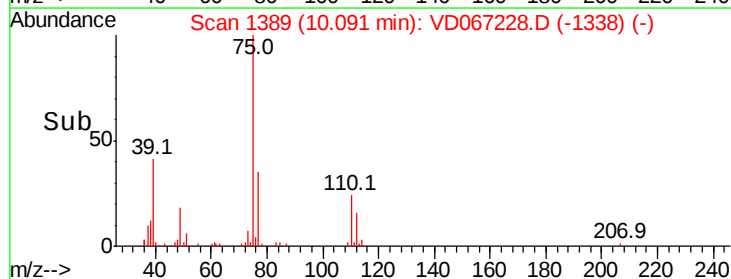
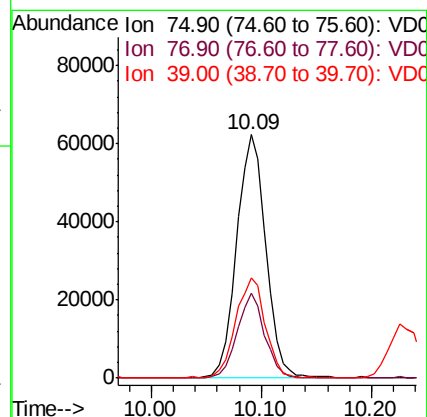
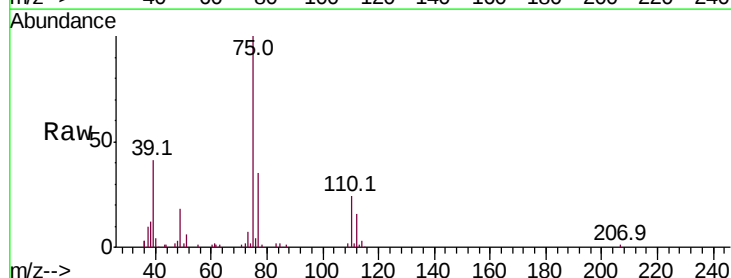
Tgt Ion: 75 Resp: 115595

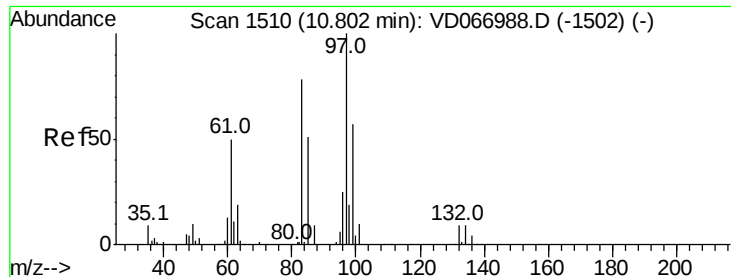
Ion Ratio Lower Upper

75 100

77 34.8 24.6 37.0

39 41.4 33.0 49.4





#55

1,1,2-Trichloroethane

Concen: 21.904 ug/l

RT: 10.80 min Scan# 1510

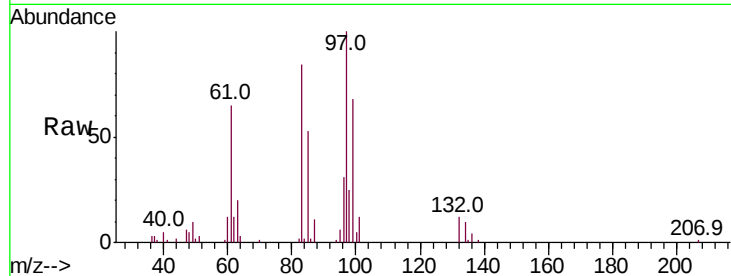
Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBSD01

Tot Ion:	97	Resp:	58048
Ion	Ratio	Lower	Upper
97	100		
83	84.0	62.4	93.6
85	52.8	41.0	61.4
99	67.6	45.9	68.9

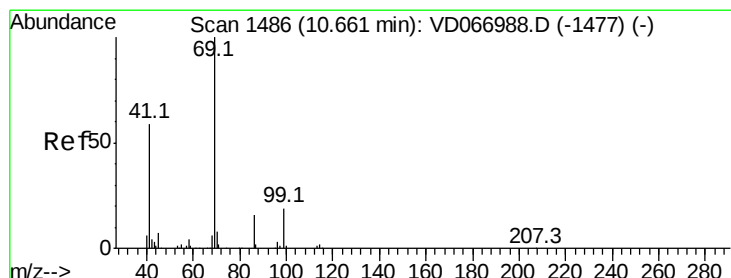
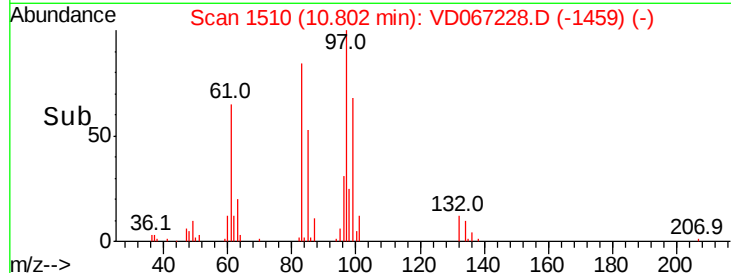
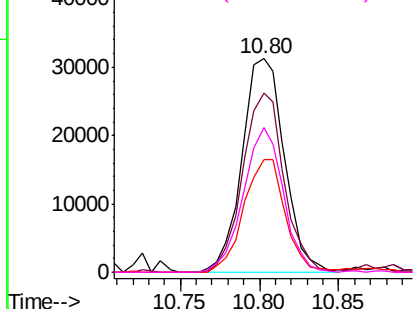


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 21.565 ug/l

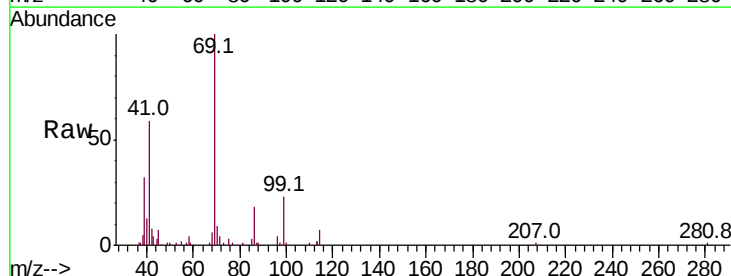
RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

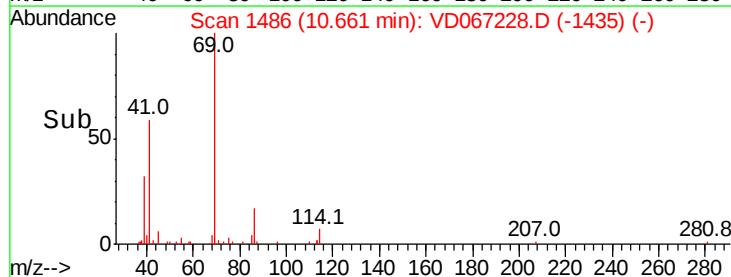
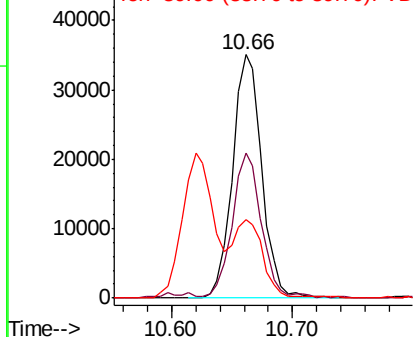
Tgt Ion:	69	Resp:	59004
Ion	Ratio	Lower	Upper
69	100		
41	59.8	46.4	69.6
39	32.1	23.8	35.6

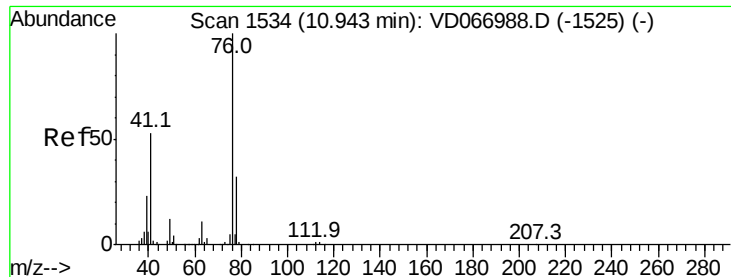


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 21.161 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

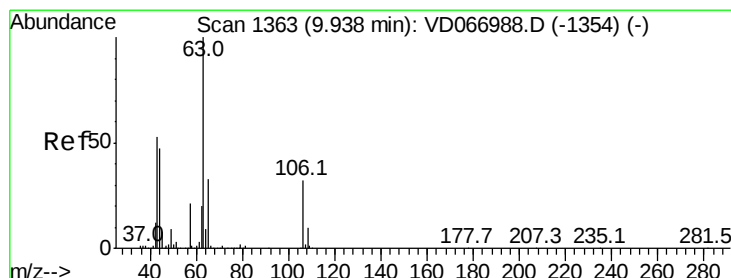
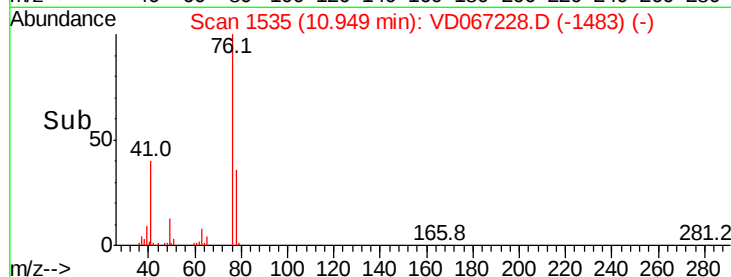
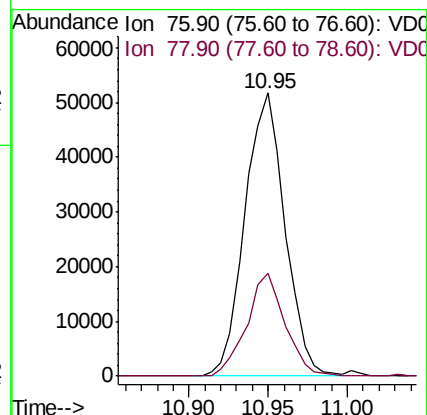
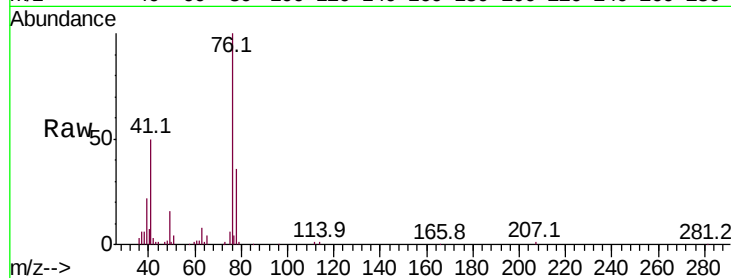
VD1012SBS01

Tot Ion: 76 Resp: 90941

Ion Ratio Lower Upper

76 100

78 34.5 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 104.352 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VD067228.D

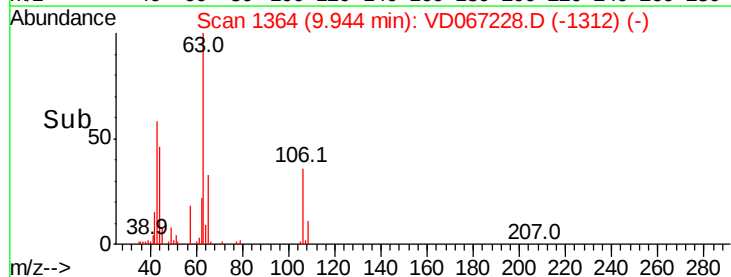
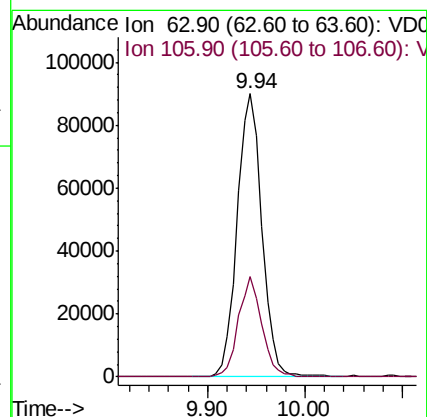
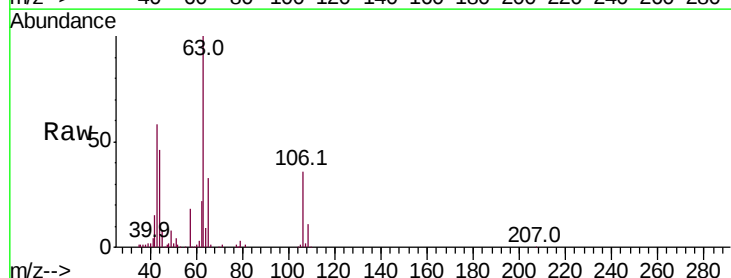
Acq: 12 Oct 2020 12:35

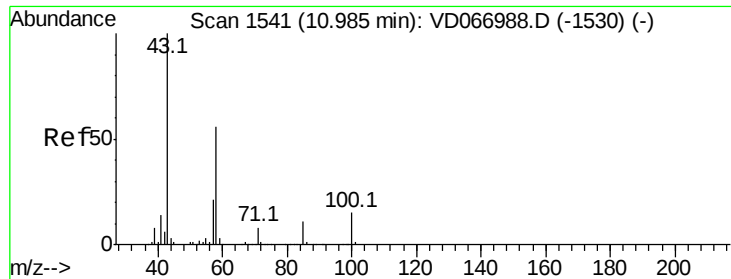
Tgt Ion: 63 Resp: 158917

Ion Ratio Lower Upper

63 100

106 33.3 25.3 37.9

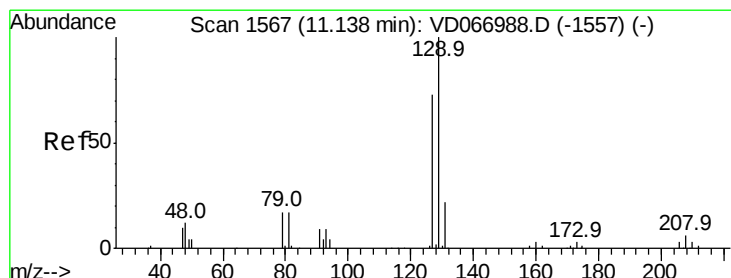
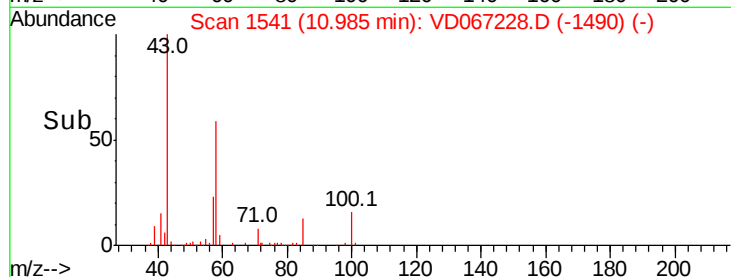
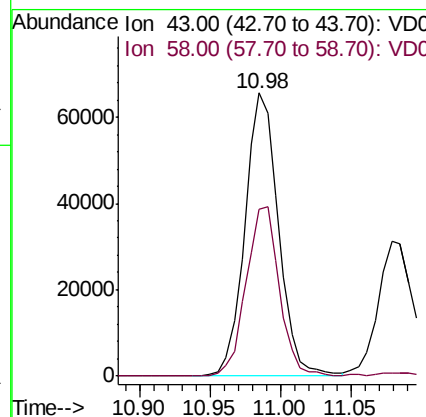
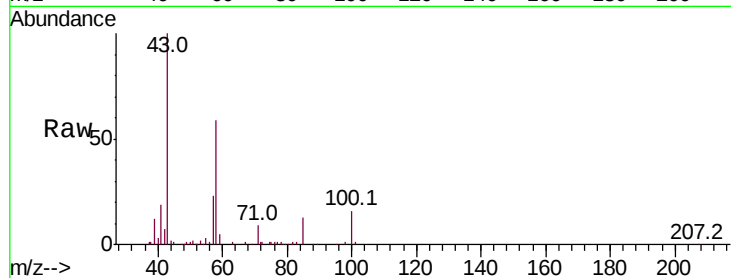




#59
2-Hexanone
Concen: 101.435 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

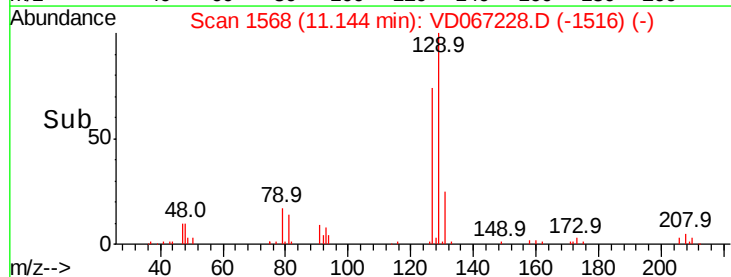
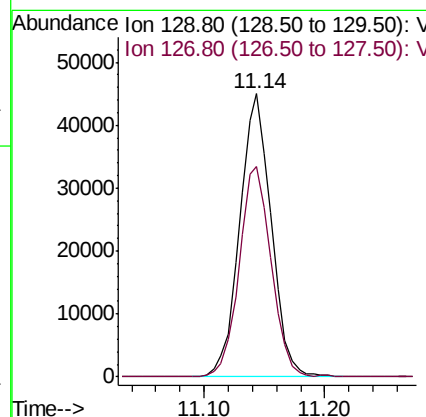
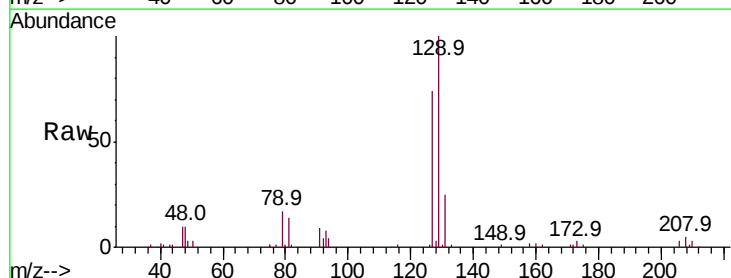
Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

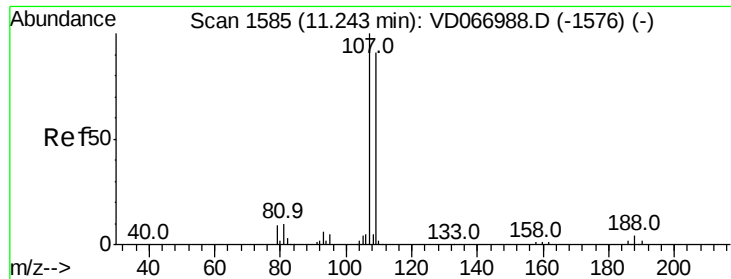
Tot Ion: 43 Resp: 109369
Ion Ratio Lower Upper
43 100
58 59.5 28.3 84.9



#60
Dibromochloromethane
Concen: 23.127 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion: 129 Resp: 81690
Ion Ratio Lower Upper
129 100
127 75.5 37.4 112.1

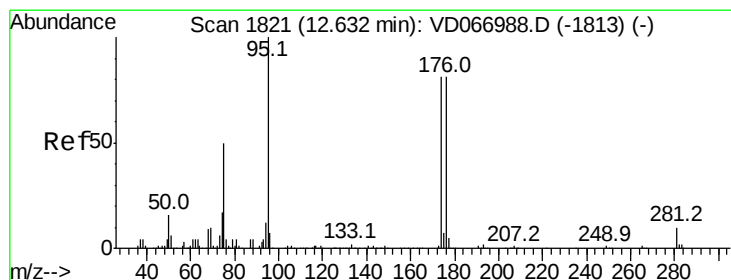
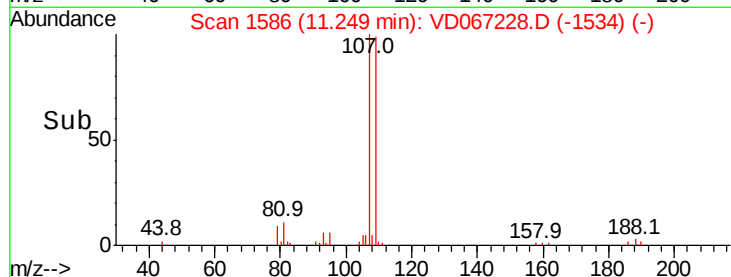
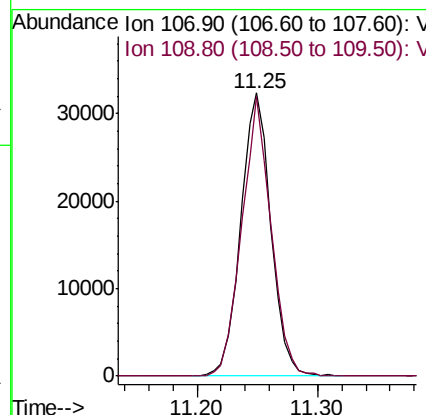
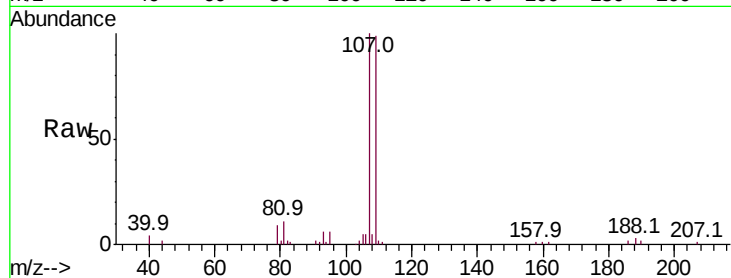




#61
 1,2-Dibromoethane
 Concen: 22.046 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

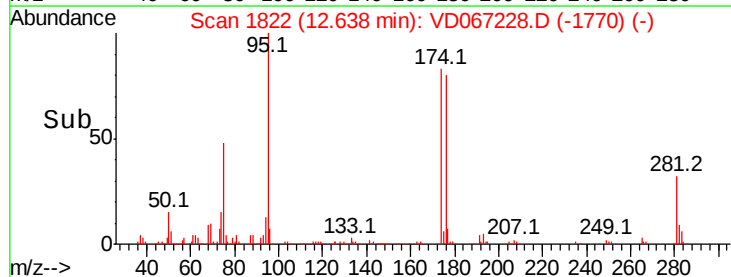
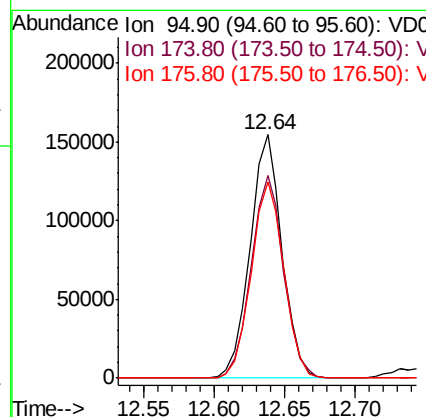
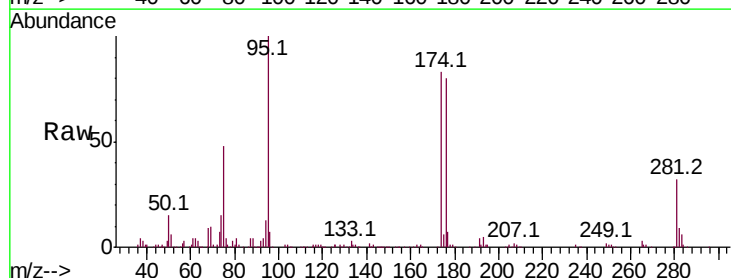
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBSD01

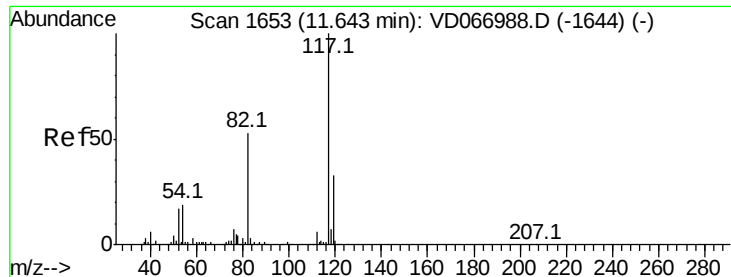
Tot Ion:107 Resp: 56130
 Ion Ratio Lower Upper
 107 100
 109 95.9 74.0 111.0



#62
 4-Bromofluorobenzene
 Concen: 55.268 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

Tgt Ion: 95 Resp: 244026
 Ion Ratio Lower Upper
 95 100
 174 85.1 0.0 167.6
 176 82.5 0.0 162.4

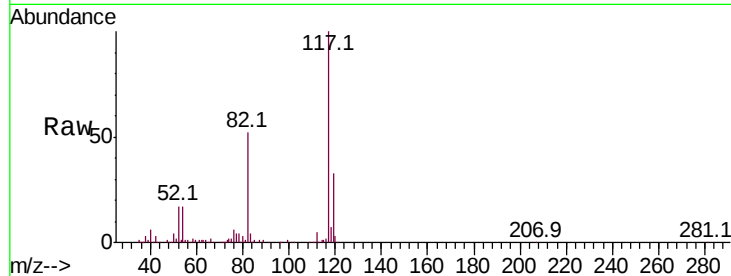




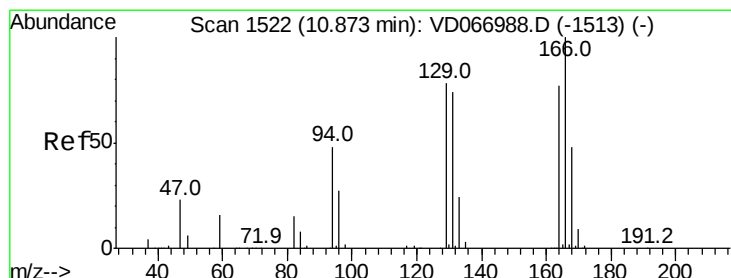
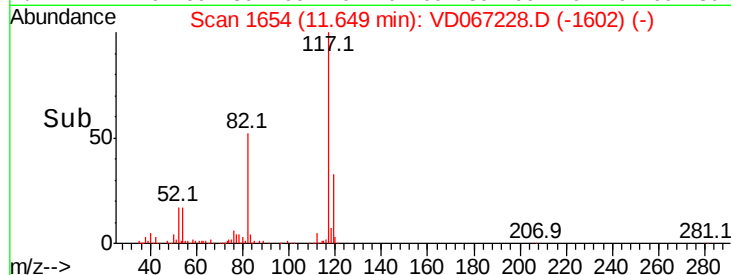
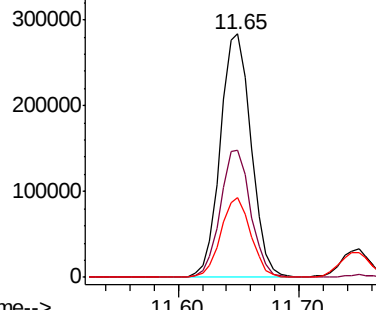
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBSD01

Tot Ion:117 Resp: 506476
Ion Ratio Lower Upper
117 100
82 52.4 42.6 63.8
119 32.8 26.3 39.5

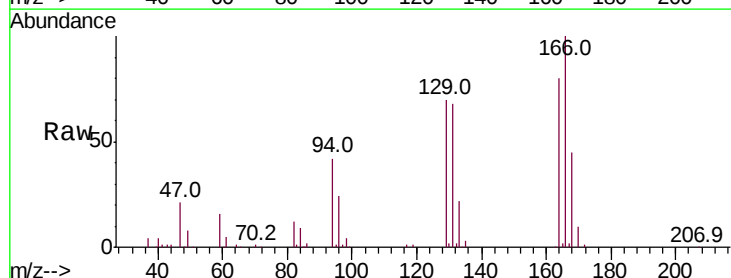


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

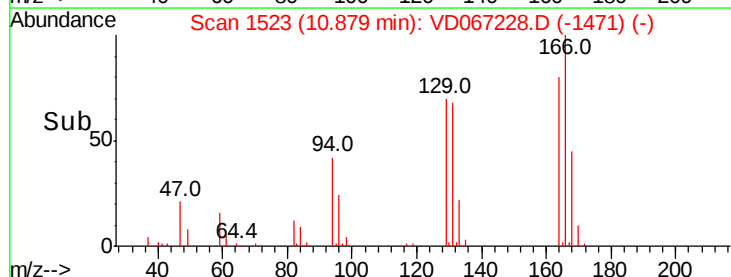
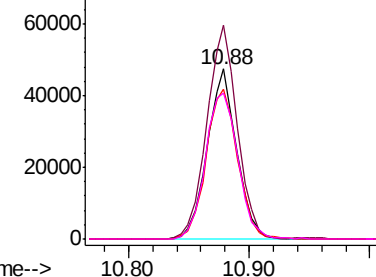


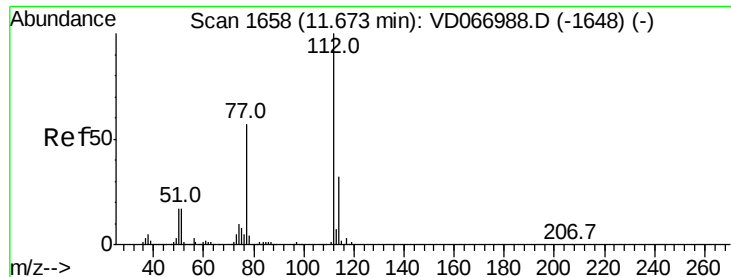
#64
Tetrachloroethene
Concen: 21.869 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion:164 Resp: 80523
Ion Ratio Lower Upper
164 100
166 125.6 104.4 156.6
129 88.3 81.3 121.9
131 85.4 77.1 115.7



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

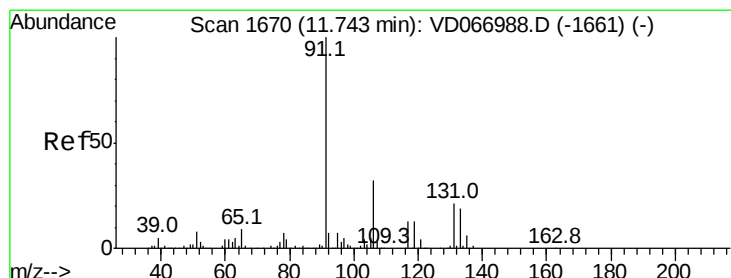
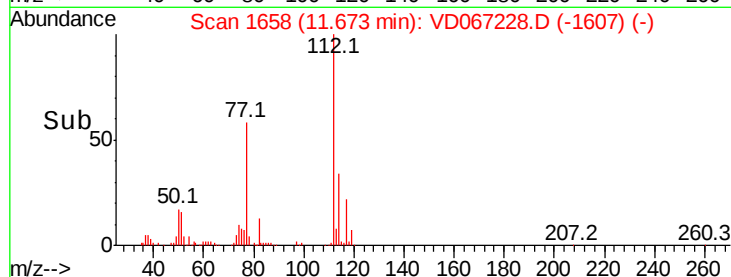
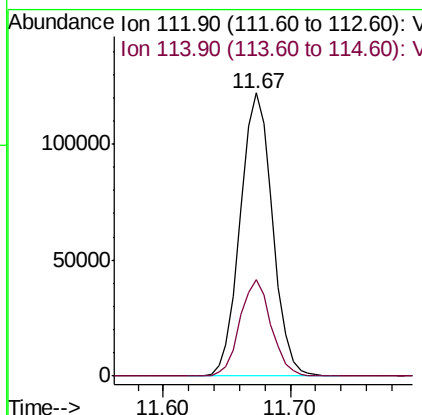
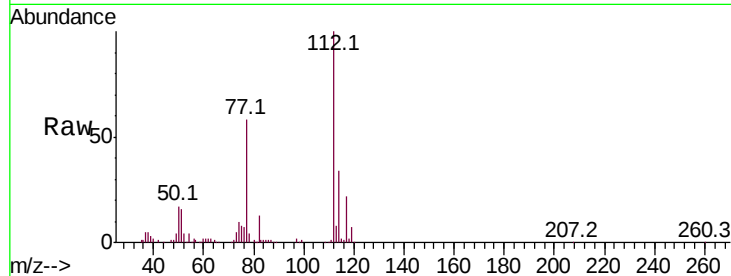




#65
Chlorobenzene
Concen: 21.375 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

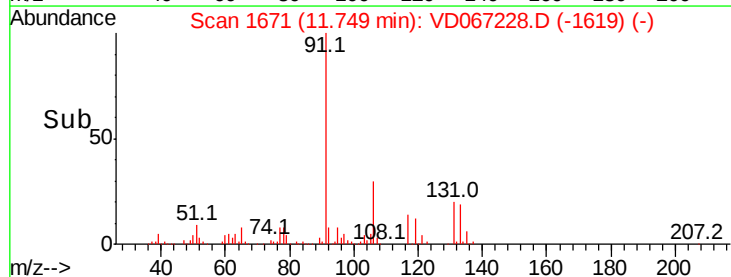
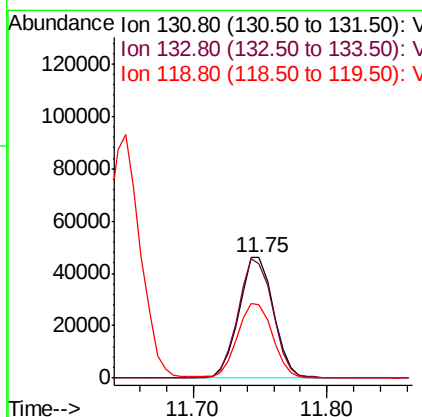
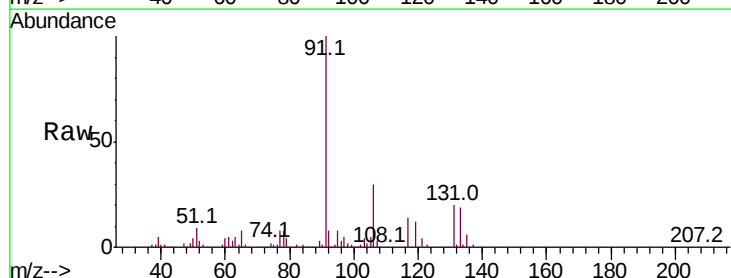
Instrument :
MSVOA_D
ClientSampleId :
VD1012SBSD01

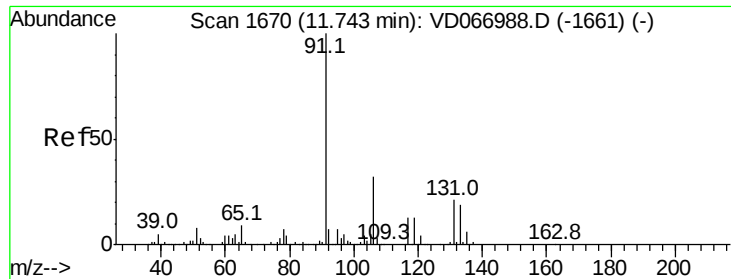
Tot Ion:112 Resp: 215316
Ion Ratio Lower Upper
112 100
114 34.1 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 21.750 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion:131 Resp: 83338
Ion Ratio Lower Upper
131 100
133 98.9 47.8 143.3
119 62.8 32.3 96.8





#67

Ethyl Benzene

Concen: 22.003 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

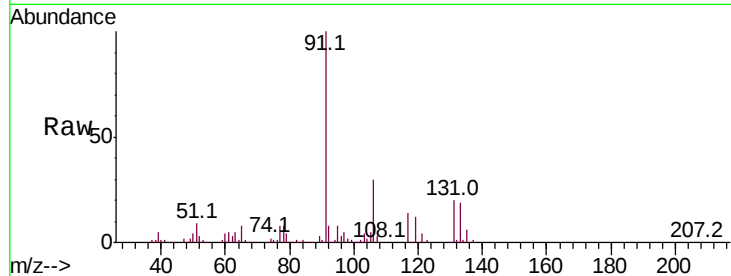
VD1012SBSD01

Tot Ion: 91 Resp: 379759

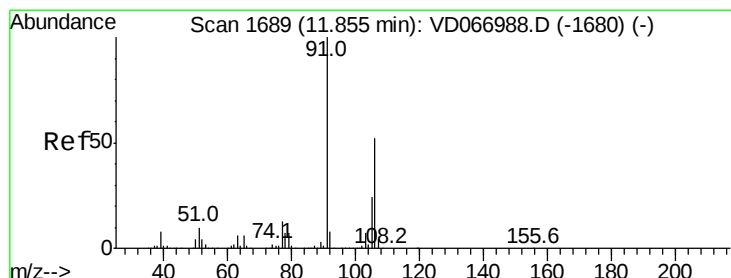
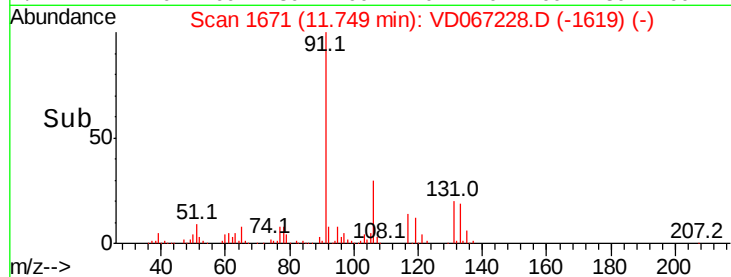
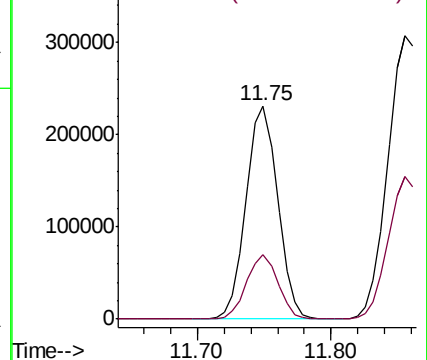
Ion Ratio Lower Upper

91 100

106 30.3 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 44.275 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067228.D

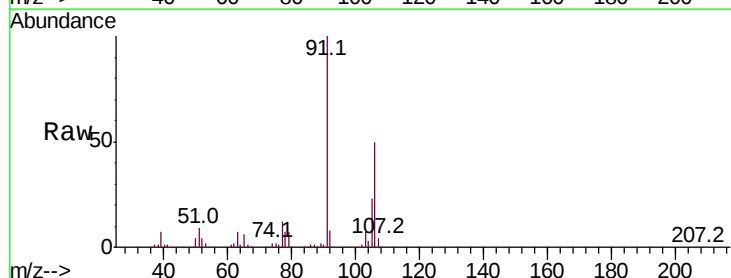
Acq: 12 Oct 2020 12:35

Tgt Ion: 106 Resp: 297806

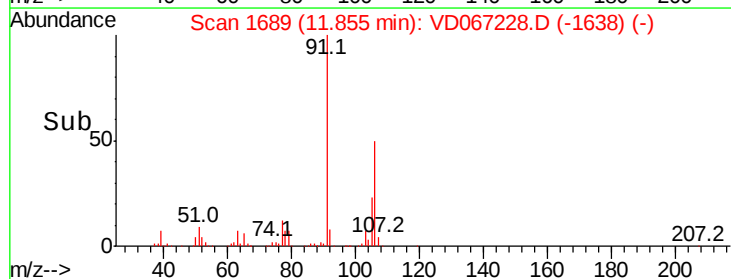
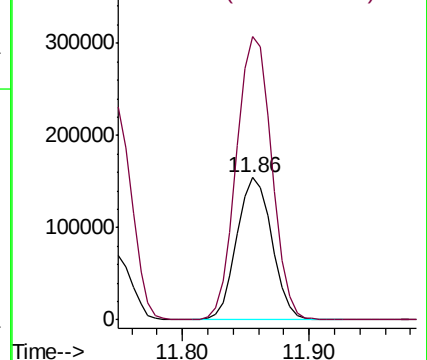
Ion Ratio Lower Upper

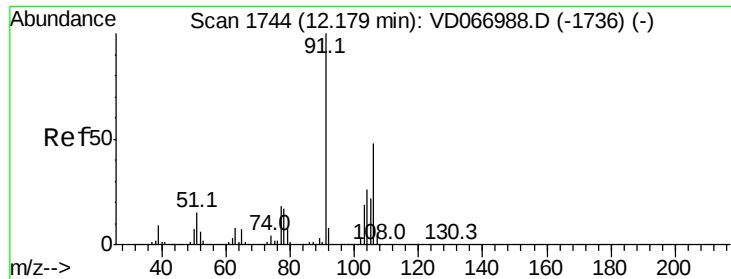
106 100

91 199.8 158.4 237.6



Abundance Ion 106.00 (105.70 to 106.70): V

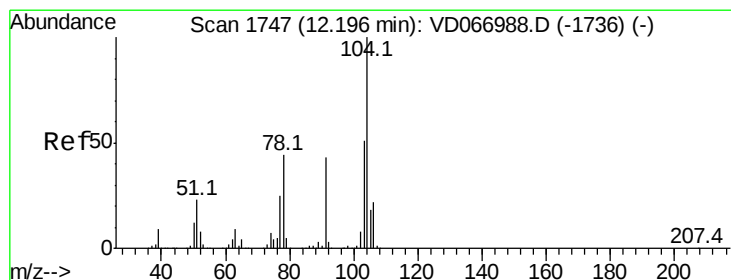
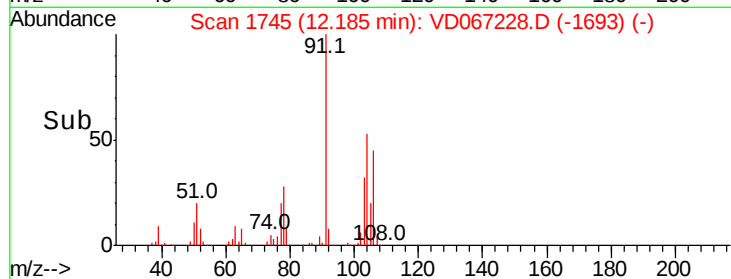
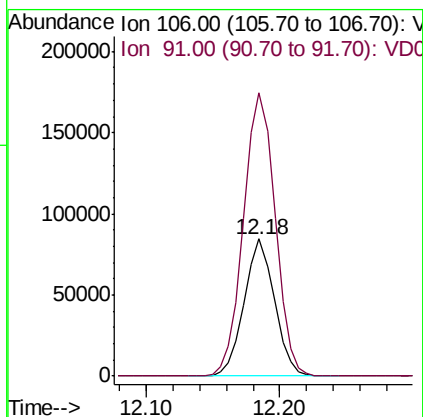
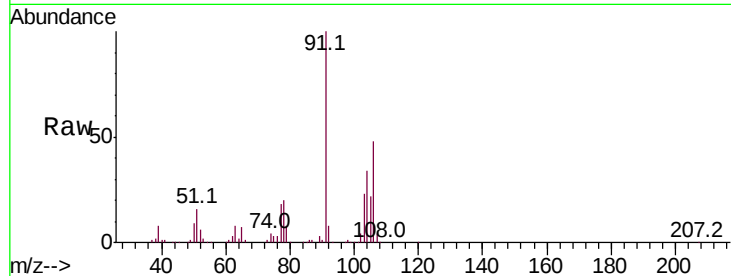




#69
o-Xylene
Concen: 22.047 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

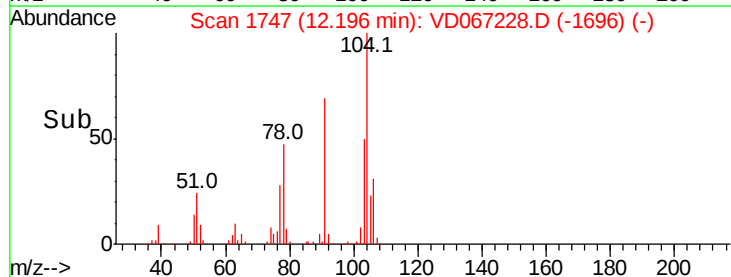
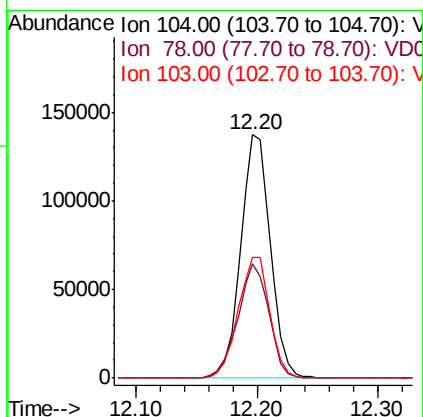
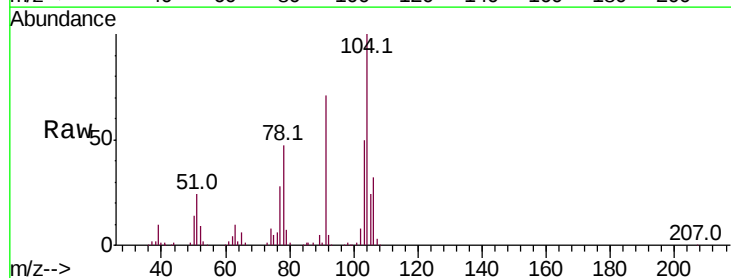
Instrument :
MSVOA_D
ClientSampleId :
VD1012SBSD01

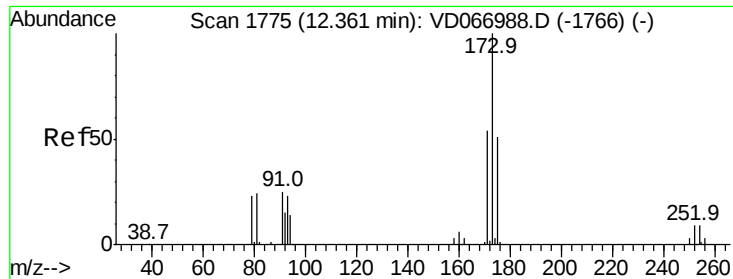
Tot Ion:106 Resp: 132612
Ion Ratio Lower Upper
106 100
91 216.4 102.4 307.2



#70
Styrene
Concen: 22.723 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion:104 Resp: 234691
Ion Ratio Lower Upper
104 100
78 49.8 38.6 58.0
103 53.4 43.4 65.0





#71

Bromoform

Concen: 23.377 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBSD01

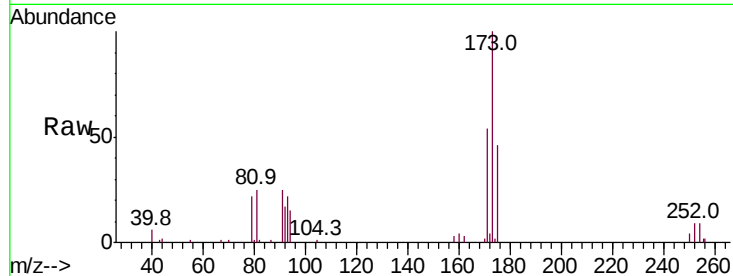
Tot Ion:173 Resp: 46497

Ion Ratio Lower Upper

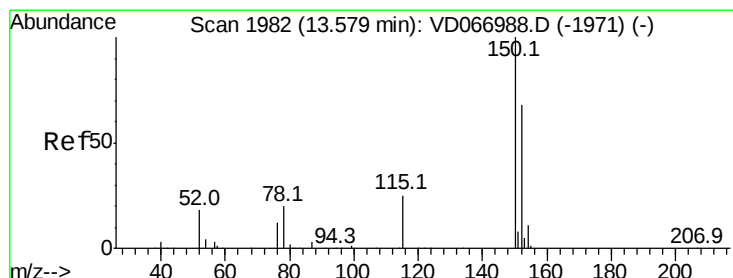
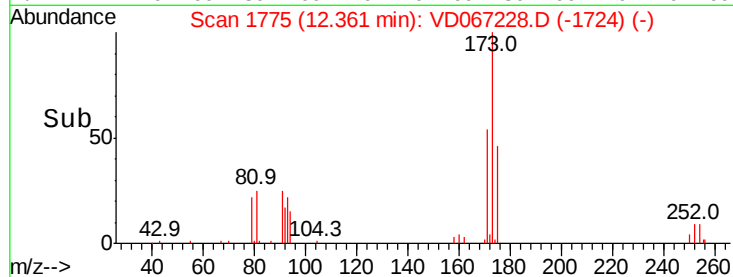
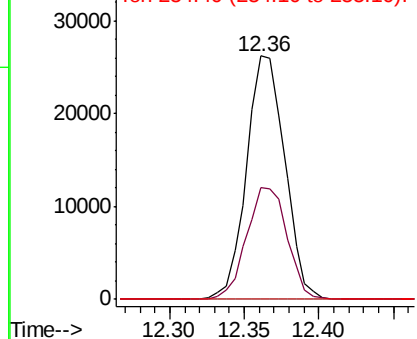
173 100

175 48.5 24.9 74.7

254 0.0 0.2 0.4#



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: VD067228.D

Acq: 12 Oct 2020 12:35

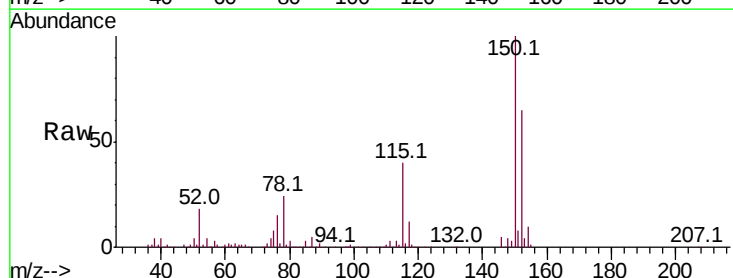
Tgt Ion:152 Resp: 256945

Ion Ratio Lower Upper

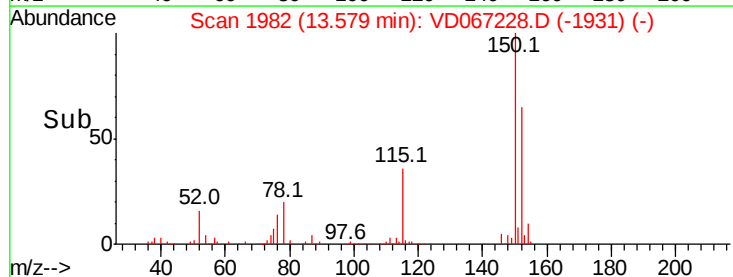
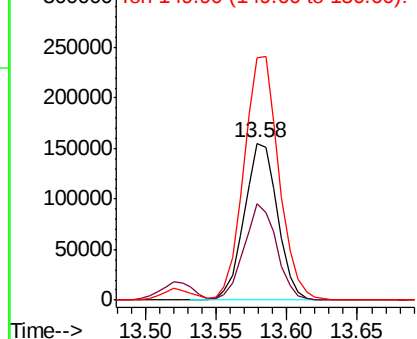
152 100

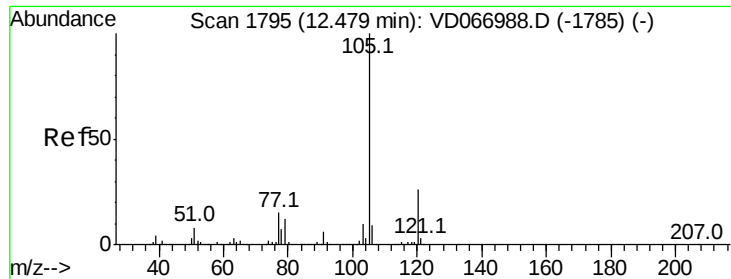
115 60.0 29.6 88.8

150 162.7 0.0 344.8



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





#73

Isopropylbenzene

Concen: 21.661 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

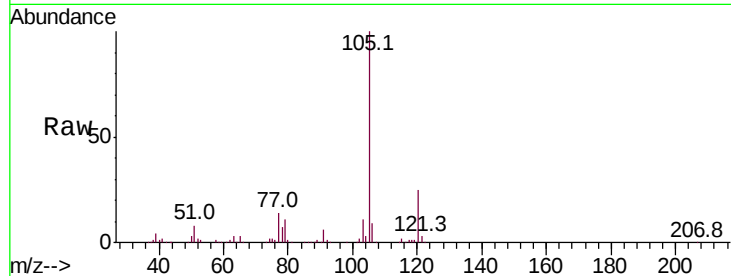
VD1012SBSD01

Tot Ion:105 Resp: 377926

Ion Ratio Lower Upper

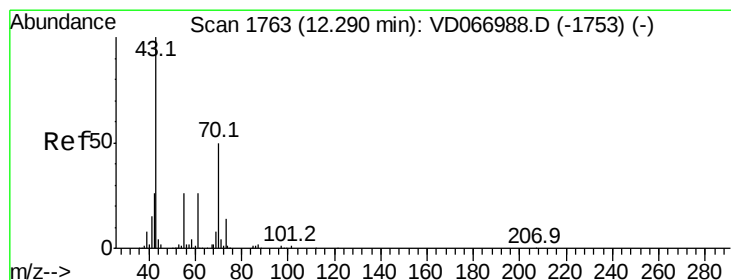
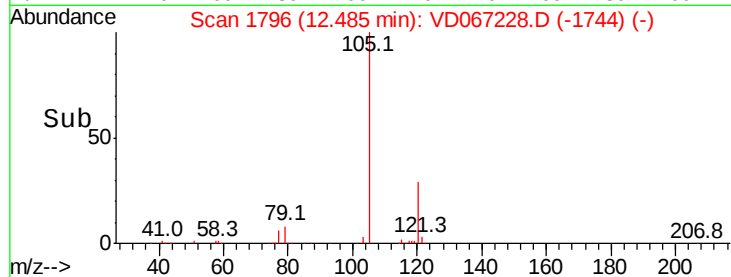
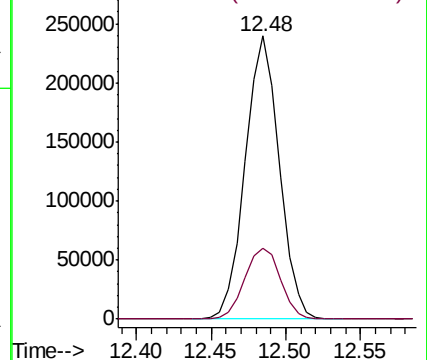
105 100

120 26.5 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.487 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Tgt Ion: 43 Resp: 57983

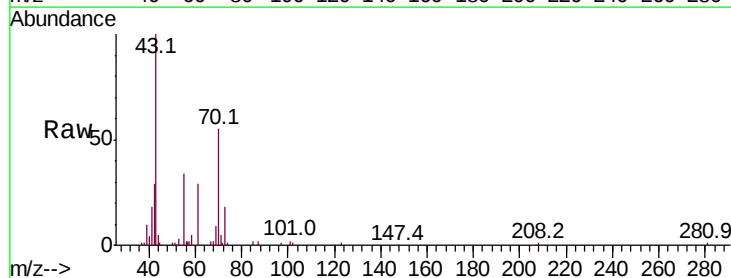
Ion Ratio Lower Upper

43 100

70 52.0 38.2 57.2

55 30.8 22.4 33.6

61 28.6 20.6 31.0

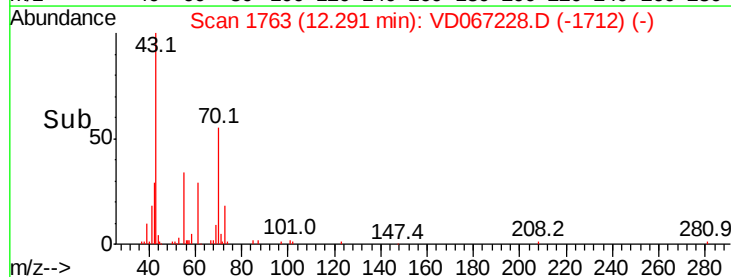
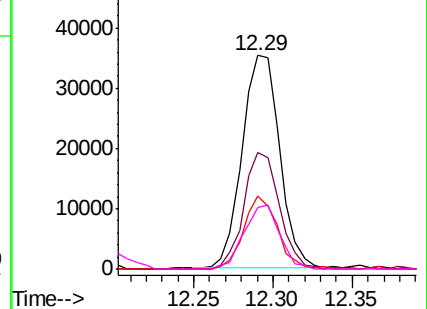


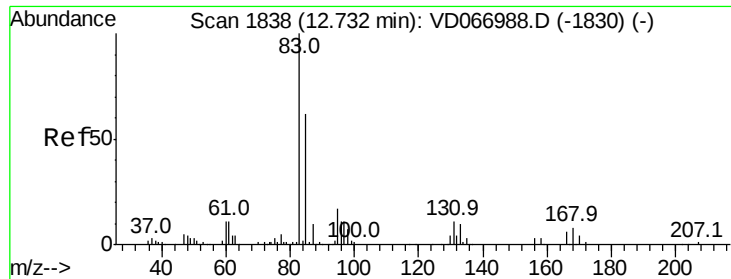
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 19.489 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBS01

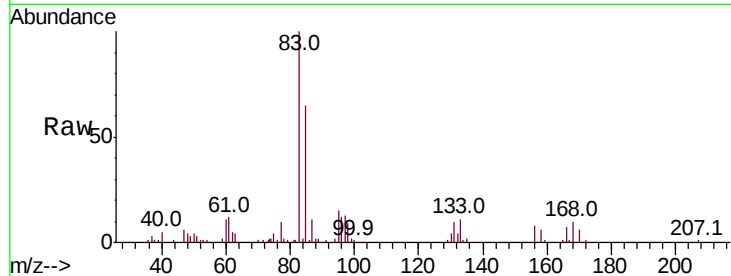
Tot Ion: 83 Resp: 57289

Ion Ratio Lower Upper

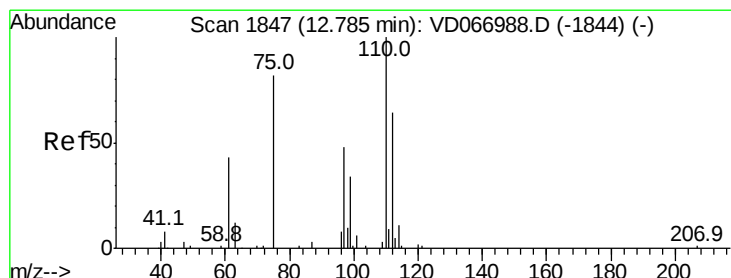
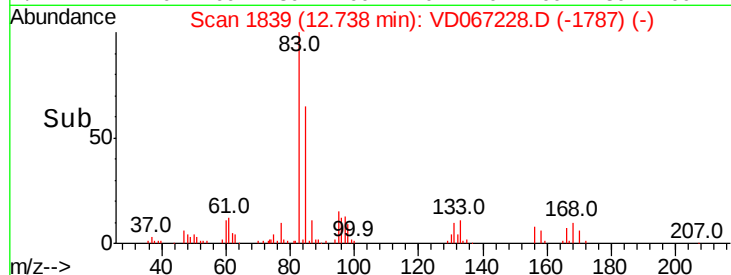
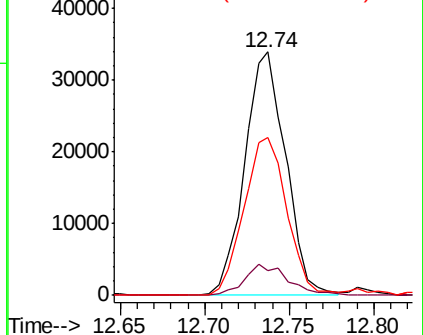
83 100

131 13.5 5.7 17.0

85 67.8 32.0 96.2



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: 35.158 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD067228.D

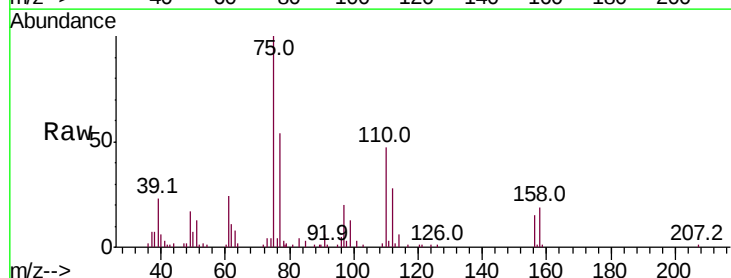
Acq: 12 Oct 2020 12:35

Tgt Ion: 75 Resp: 78686

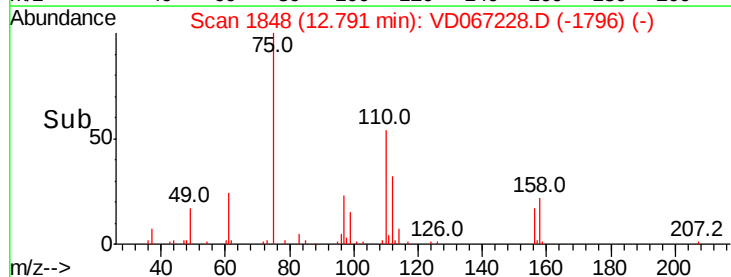
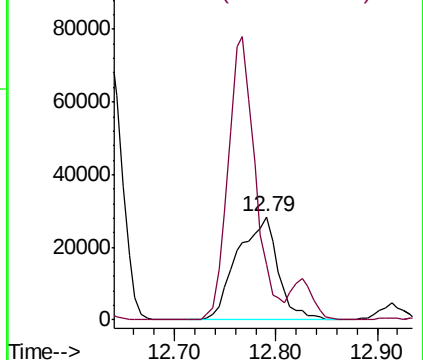
Ion Ratio Lower Upper

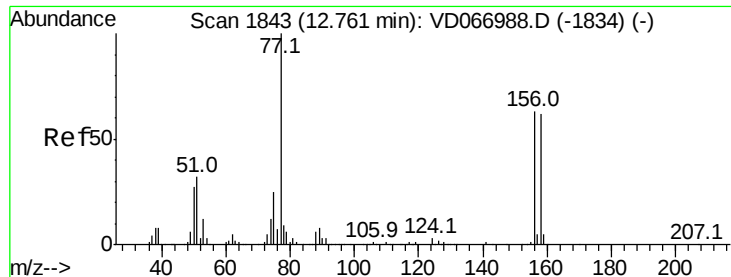
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 21.905 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBSD01

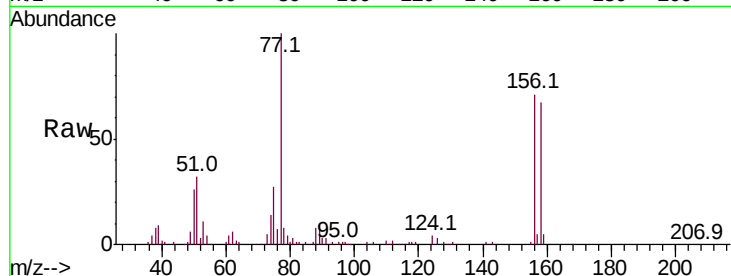
Tot Ion:156 Resp: 92282

Ion Ratio Lower Upper

156 100

77 158.3 86.3 258.8

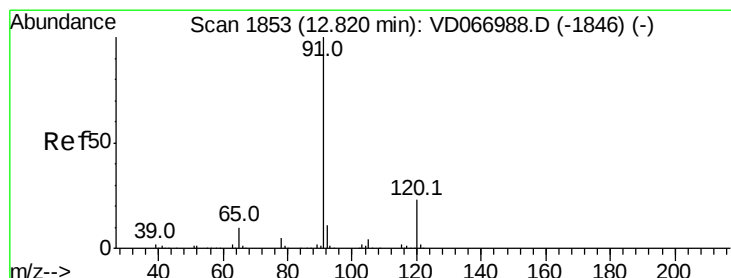
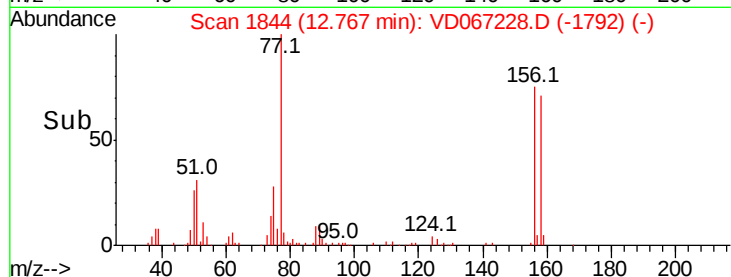
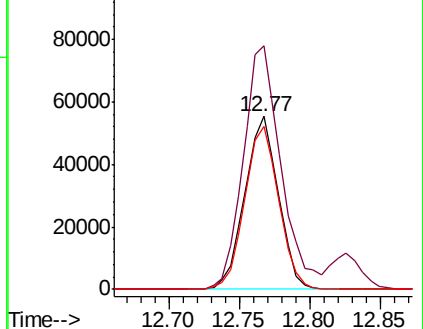
158 95.5 49.5 148.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.451 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD067228.D

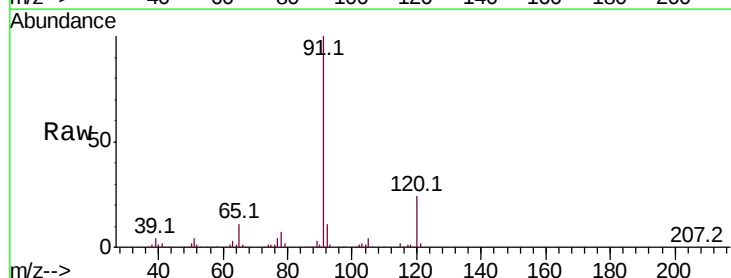
Acq: 12 Oct 2020 12:35

Tgt Ion: 91 Resp: 442299

Ion Ratio Lower Upper

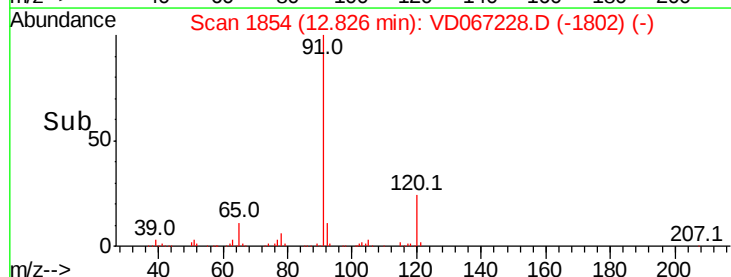
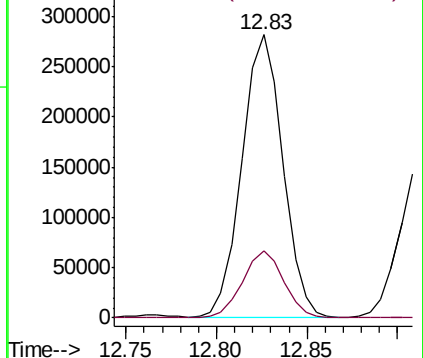
91 100

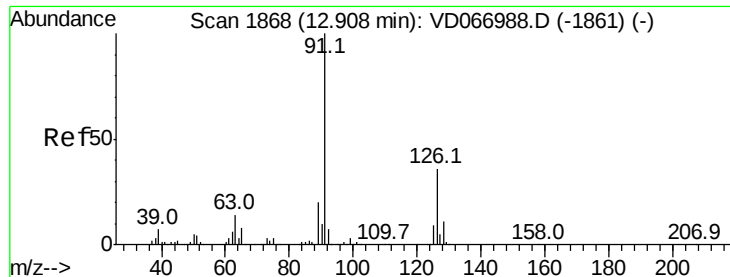
120 23.9 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.306 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

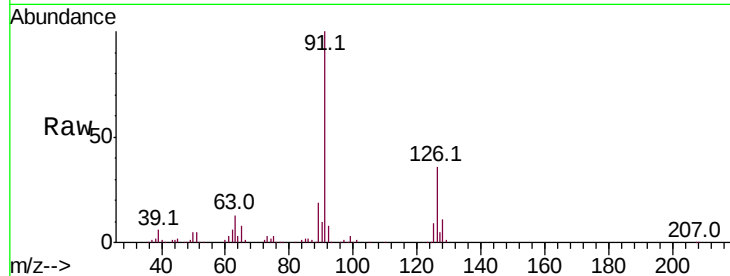
VD1012SBSD01

Tot Ion: 91 Resp: 251355

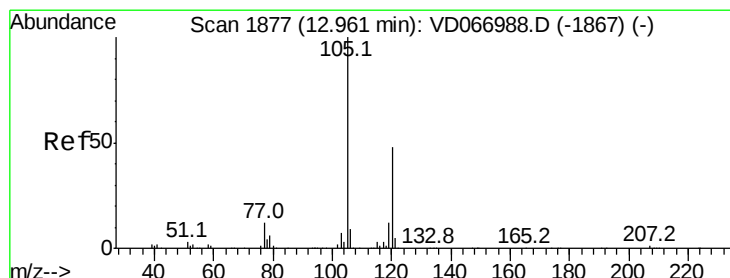
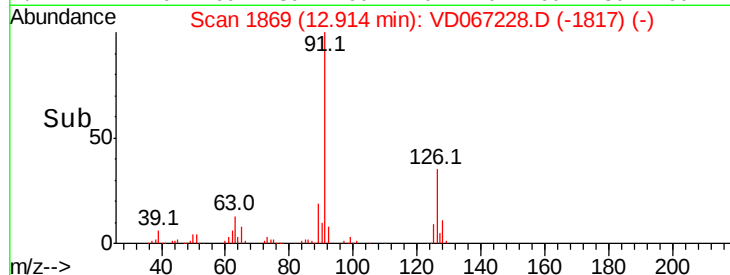
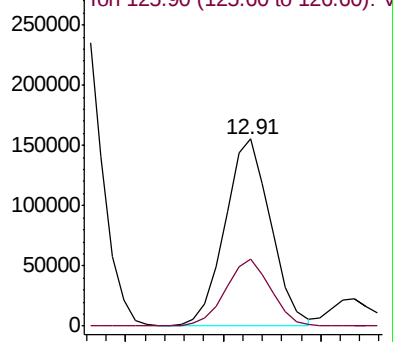
Ion Ratio Lower Upper

91 100

126 35.6 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 21.752 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD067228.D

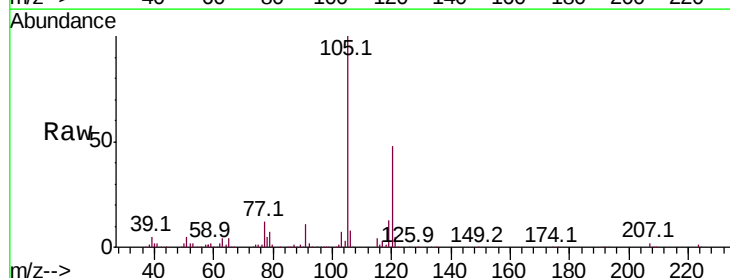
Acq: 12 Oct 2020 12:35

Tgt Ion:105 Resp: 320636

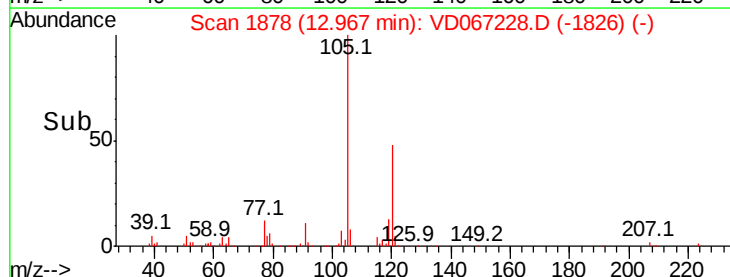
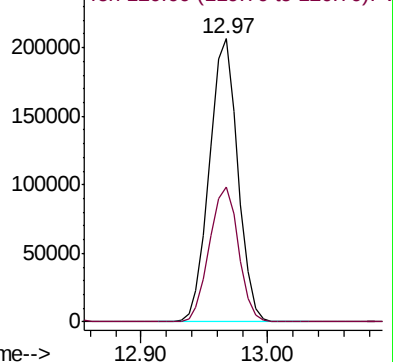
Ion Ratio Lower Upper

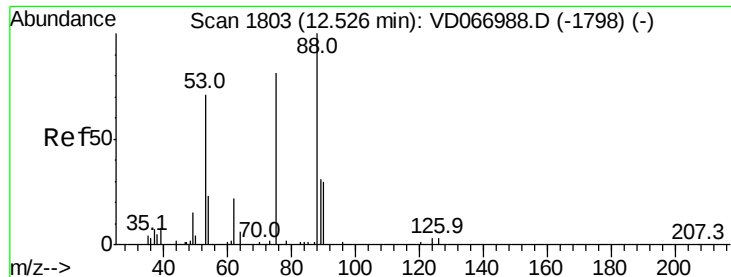
105 100

120 48.9 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.166 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBS01

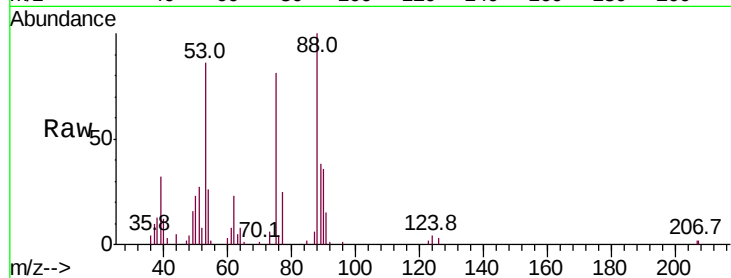
Tot Ion: 75 Resp: 18103

Ion Ratio Lower Upper

75 100

53 91.1 73.8 110.6

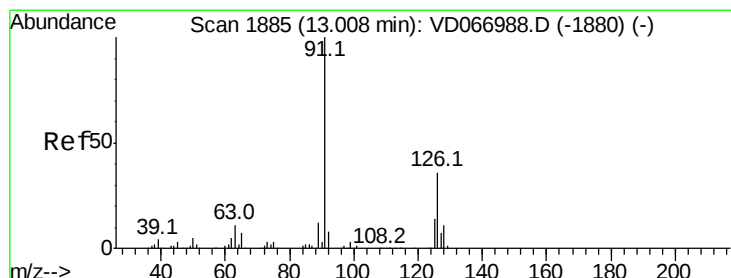
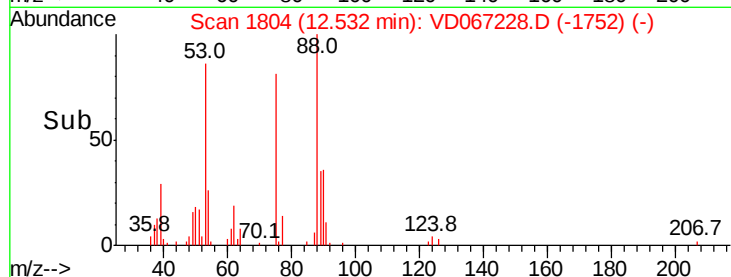
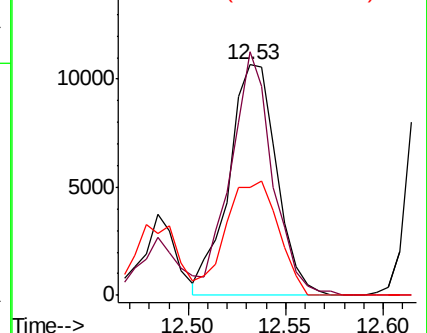
89 54.8 38.9 58.3



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.269 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067228.D

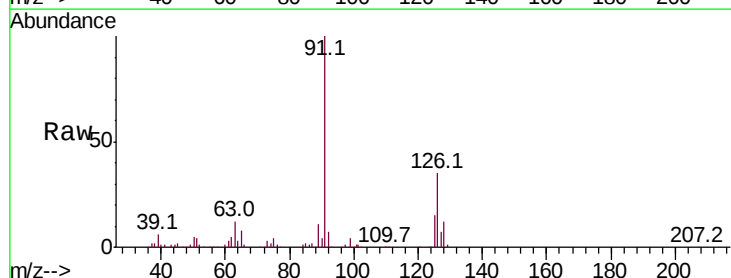
Acq: 12 Oct 2020 12:35

Tgt Ion: 91 Resp: 266956

Ion Ratio Lower Upper

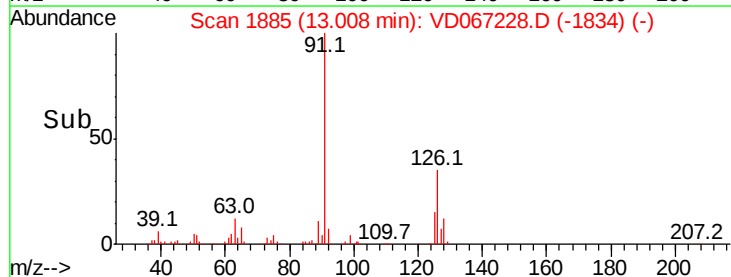
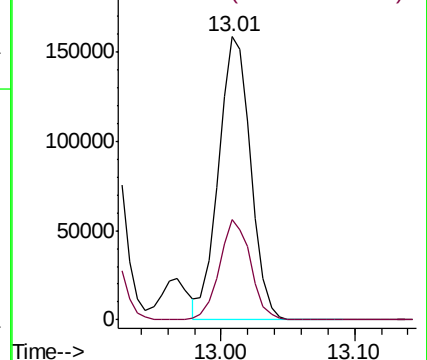
91 100

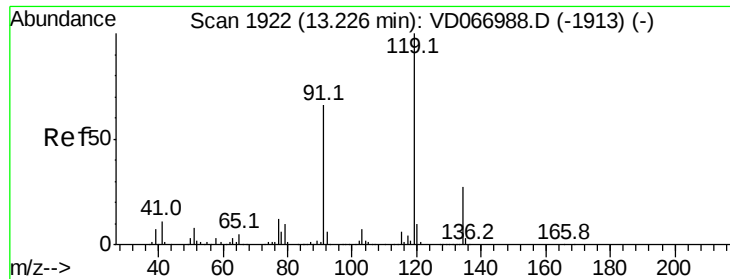
126 34.5 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

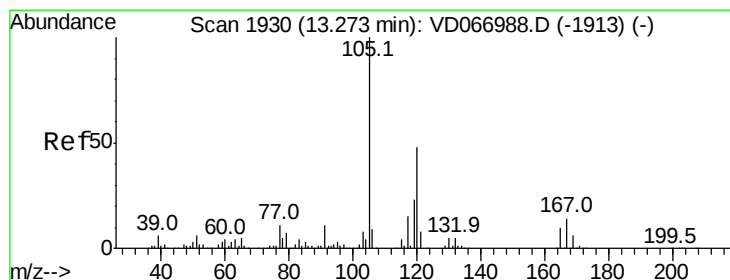
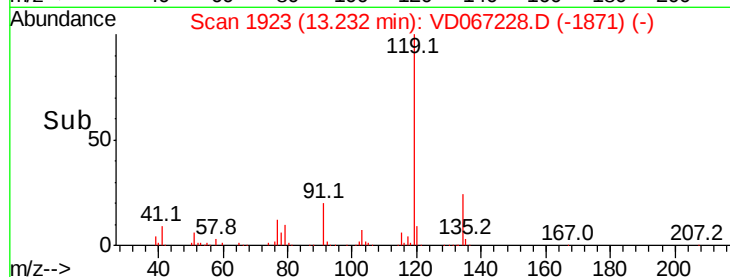
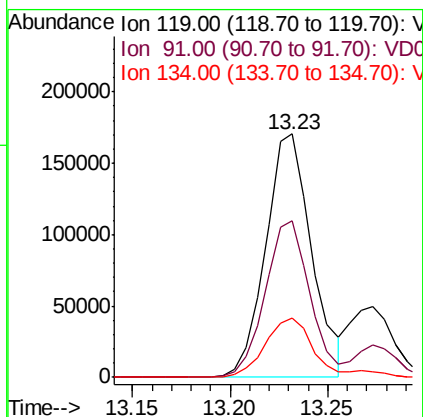
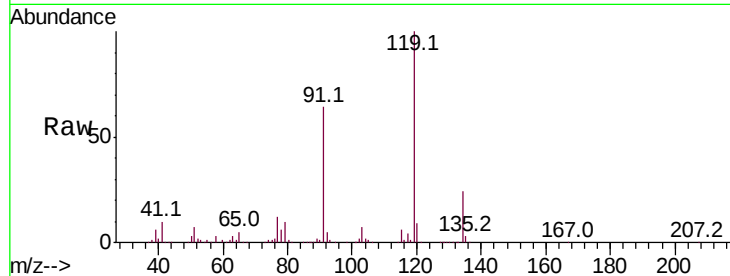




#83
tert-Butylbenzene
Concen: 22.433 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

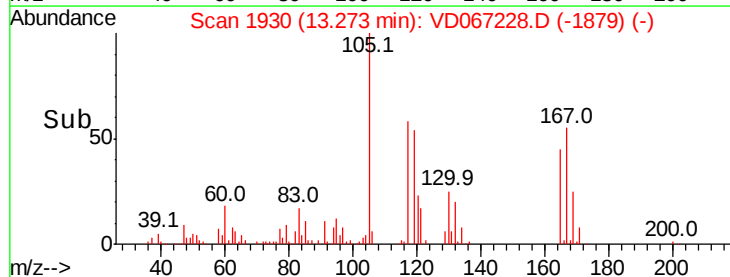
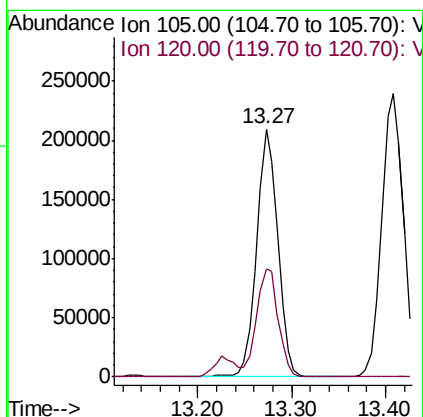
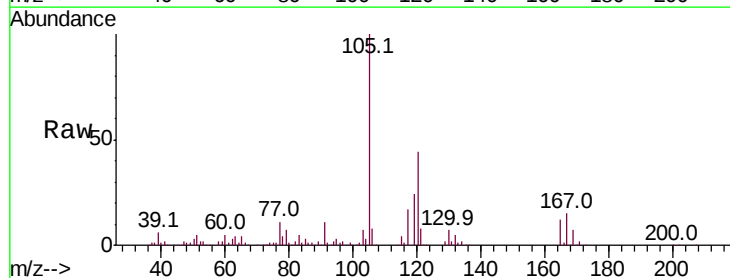
Instrument :
MSVOA_D
ClientSampleId :
VD1012SBSD01

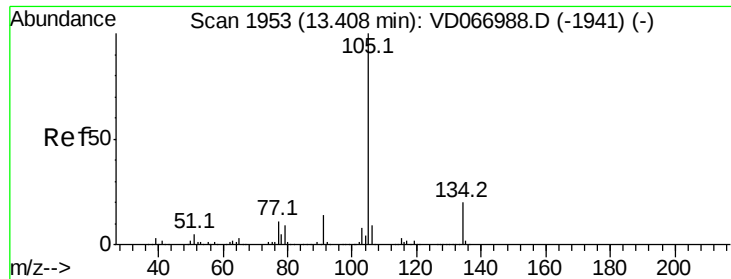
Tot Ion:119 Resp: 278460
Ion Ratio Lower Upper
119 100
91 62.4 32.8 98.3
134 24.9 13.9 41.7



#84
1,2,4-Trimethylbenzene
Concen: 22.152 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion:105 Resp: 325869
Ion Ratio Lower Upper
105 100
120 45.0 23.3 69.8





#85

sec-Butylbenzene

Concen: 21.653 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

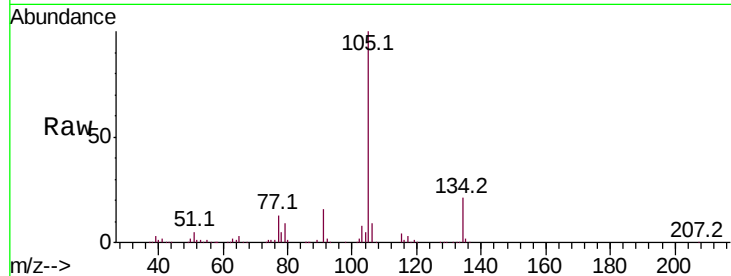
VD1012SBSD01

Tot Ion:105 Resp: 378502

Ion Ratio Lower Upper

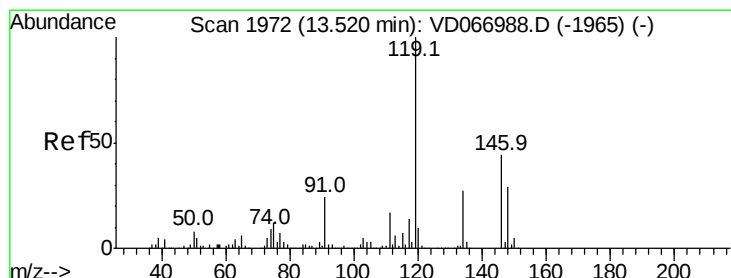
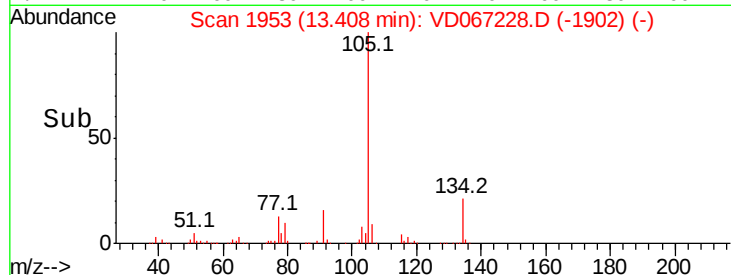
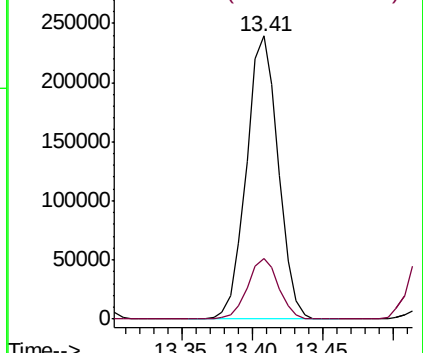
105 100

134 20.8 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.766 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

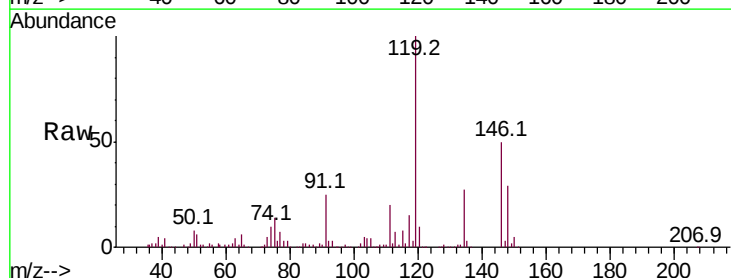
Tgt Ion:119 Resp: 352758

Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.1

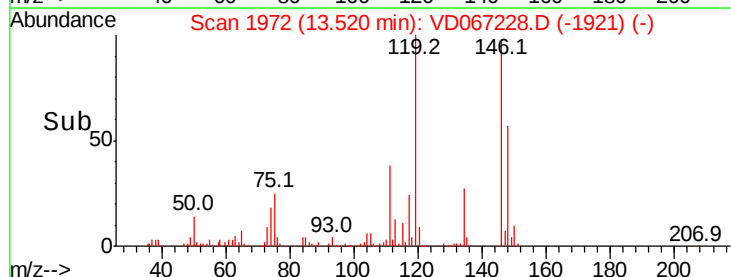
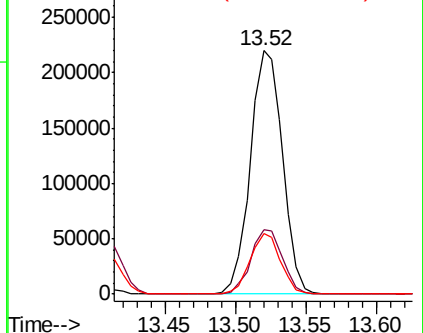
91 23.4 11.7 35.1

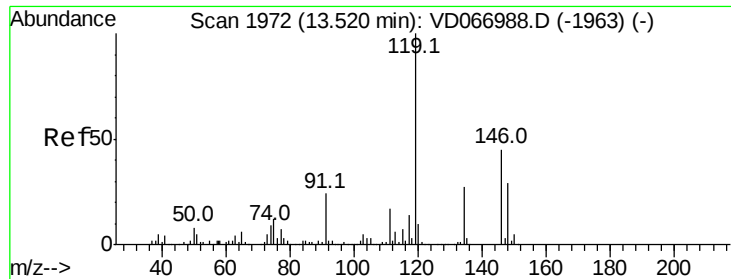


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.533 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBS01

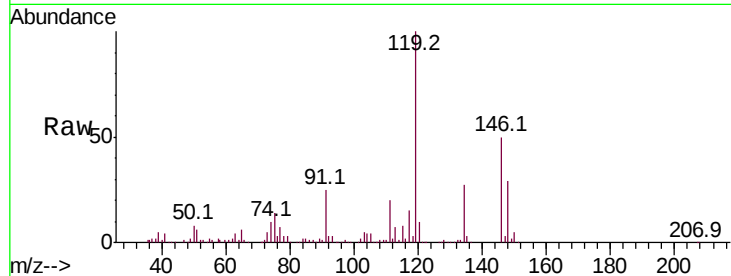
Tot Ion:146 Resp: 176693

Ion Ratio Lower Upper

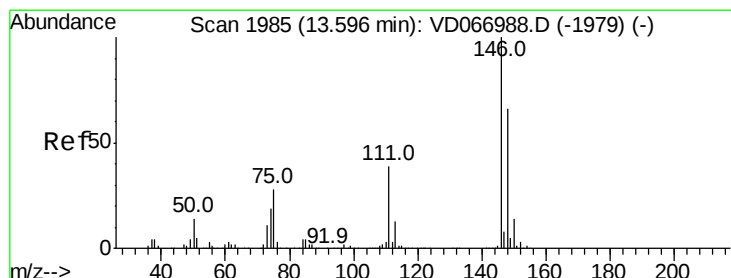
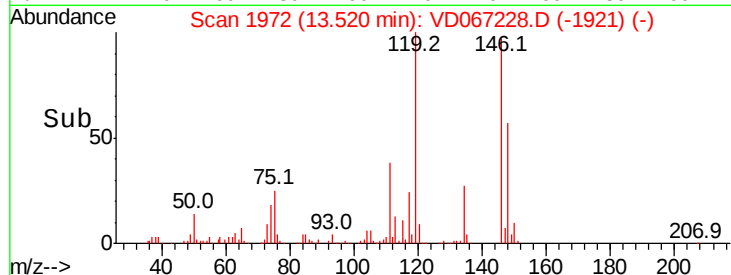
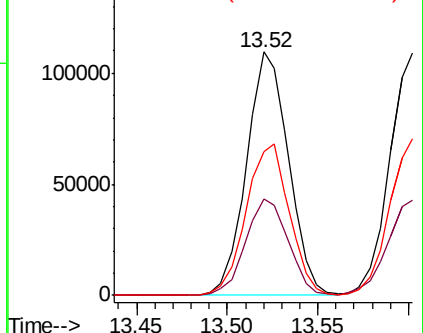
146 100

111 40.4 20.0 60.0

148 63.8 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V
150000 Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 21.278 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.01 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

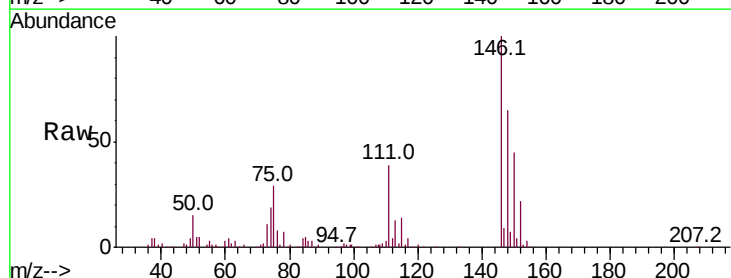
Tgt Ion:146 Resp: 174587

Ion Ratio Lower Upper

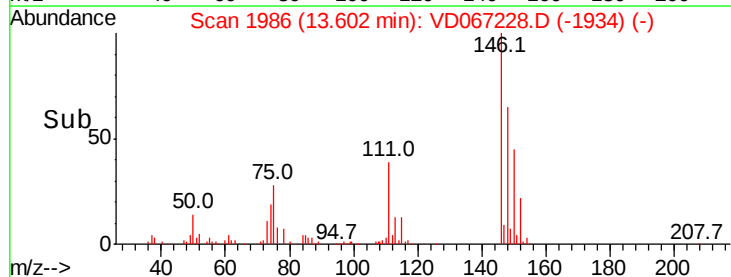
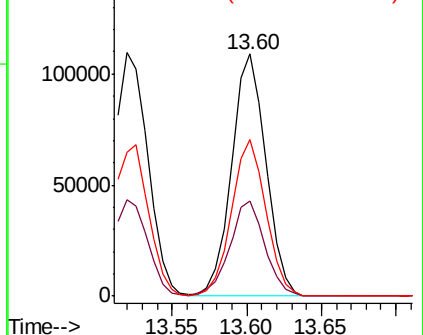
146 100

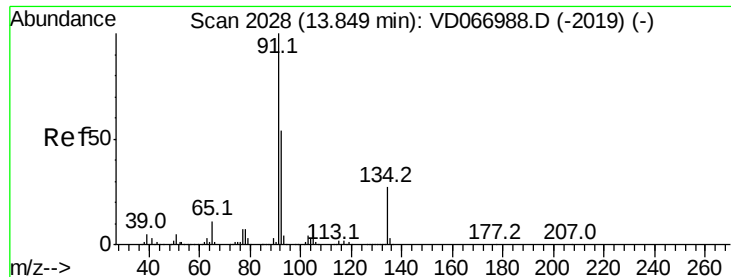
111 40.3 19.6 58.7

148 64.9 32.6 97.7



Abundance Ion 145.90 (145.60 to 146.60): V
150000 Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

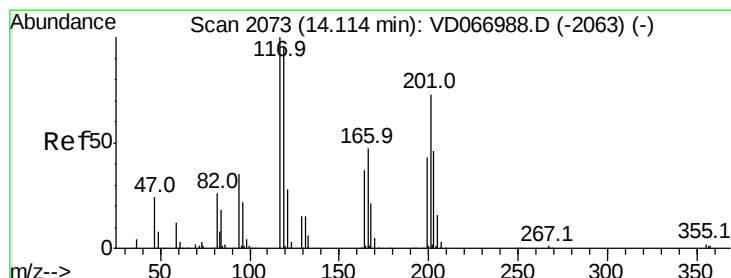
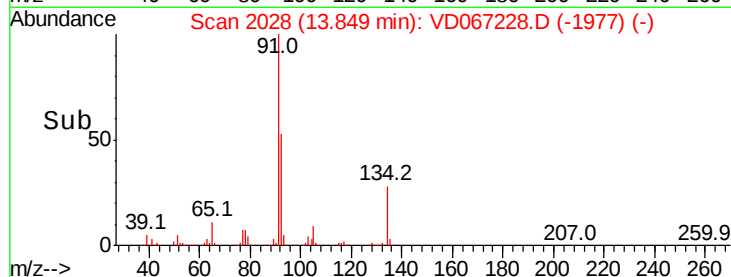
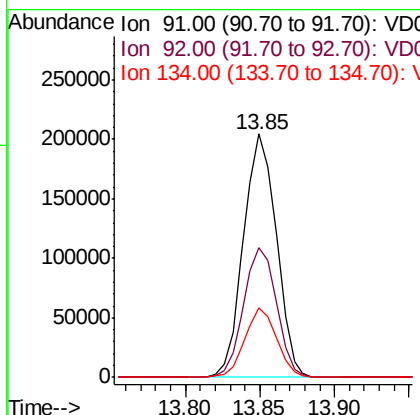
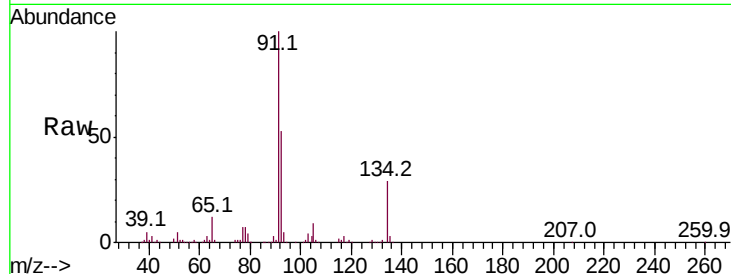




#89
n-Butylbenzene
Concen: 21.164 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

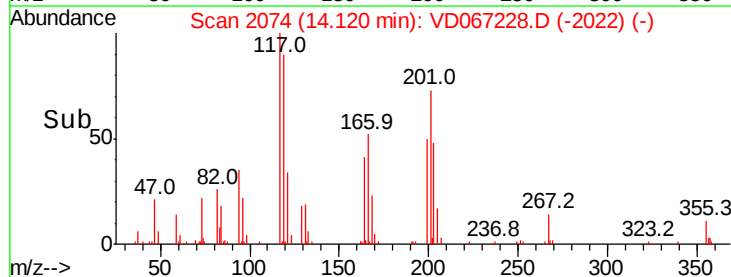
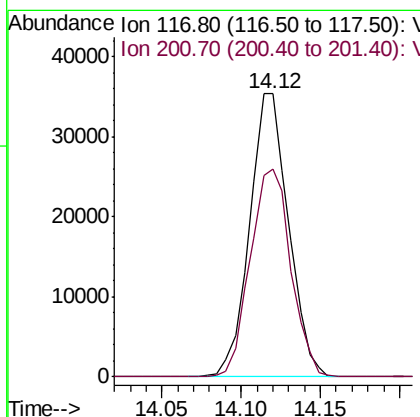
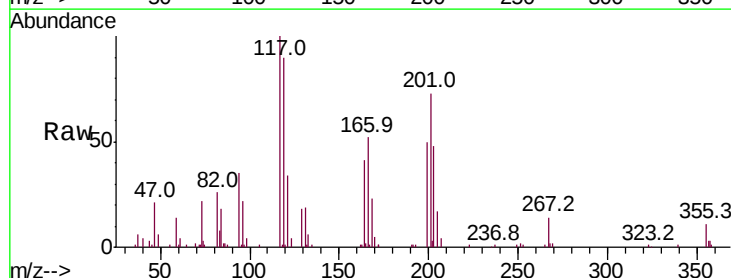
Instrument :
MSVOA_D
ClientSampleId :
VD1012SBSD01

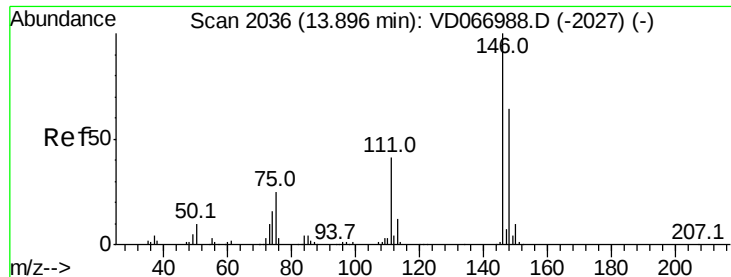
Tot Ion: 91 Resp: 313470
Ion Ratio Lower Upper
91 100
92 53.0 27.1 81.2
134 27.4 13.6 40.8



#90
Hexachloroethane
Concen: 21.248 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion: 117 Resp: 60319
Ion Ratio Lower Upper
117 100
201 76.7 37.0 110.9





#91

1,2-Dichlorobenzene

Concen: 21.714 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBSD01

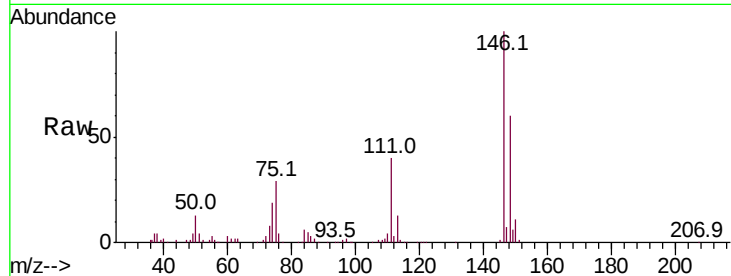
Tot Ion:146 Resp: 155611

Ion Ratio Lower Upper

146 100

111 41.2 20.9 62.7

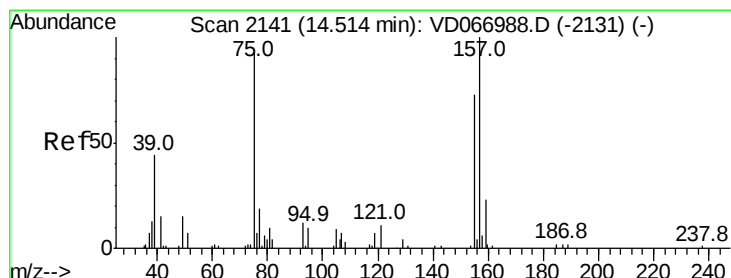
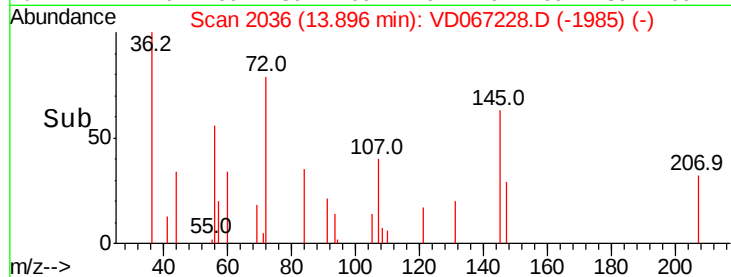
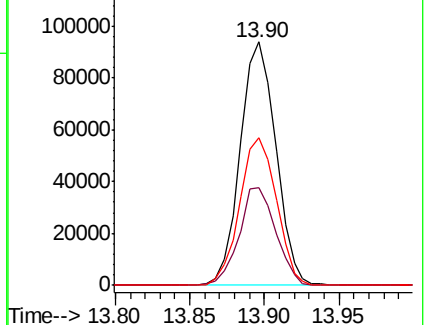
148 62.6 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.721 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

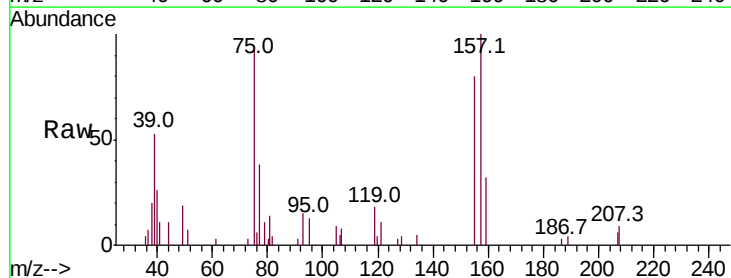
Tgt Ion: 75 Resp: 9345

Ion Ratio Lower Upper

75 100

155 94.7 45.2 135.6

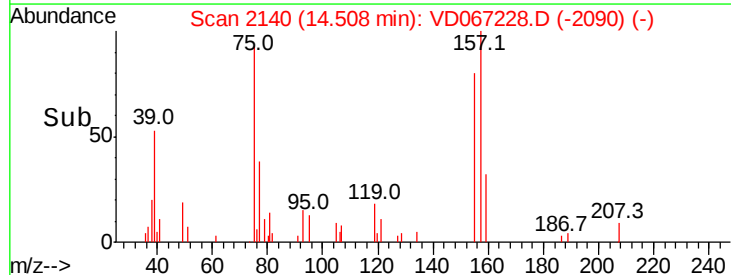
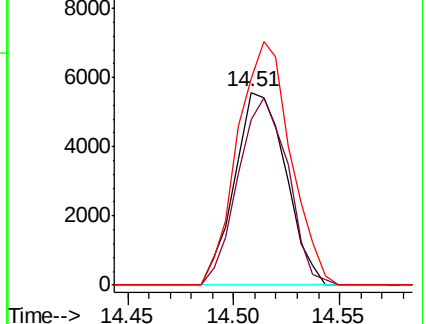
157 131.1 56.3 168.8

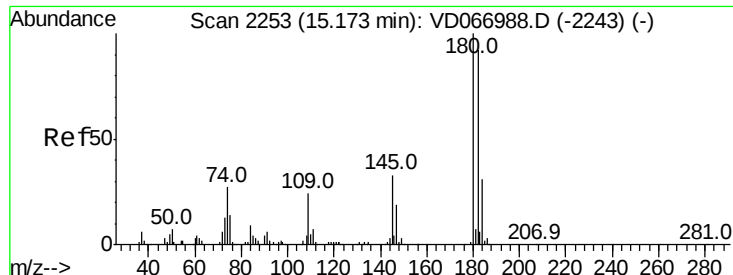


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

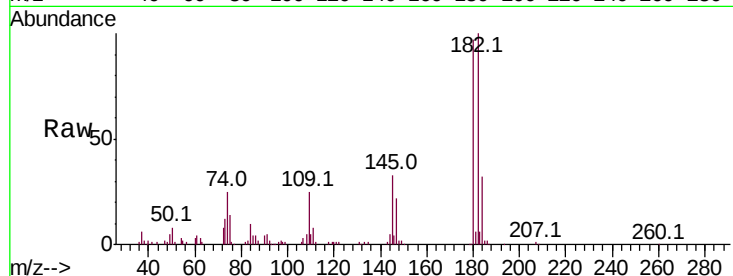




#93
 1,2,4-Trichlorobenzene
 Concen: 22.232 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.8	47.3	142.0
145	32.1	16.4	49.1

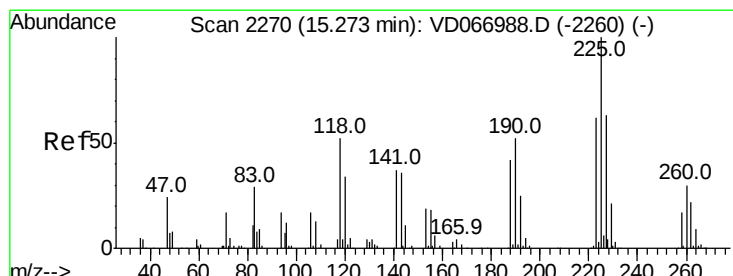
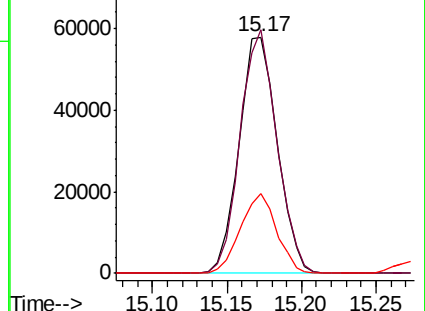
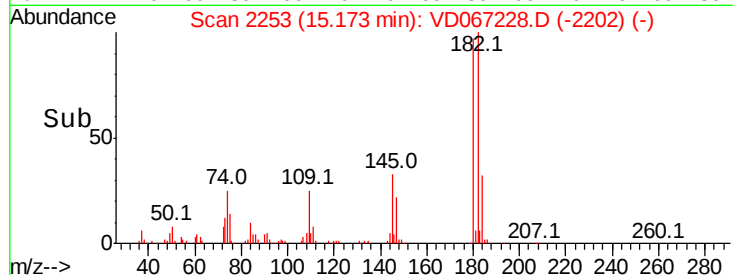


Abundance

Ion 179.80 (179.50 to 180.50): V

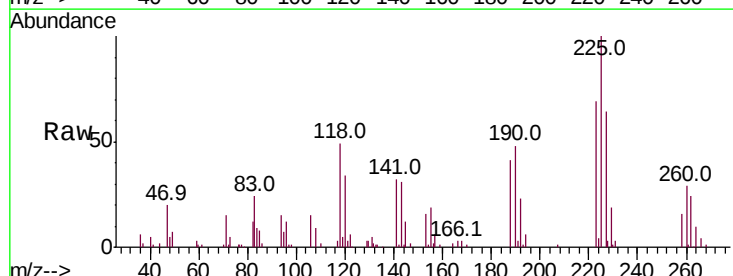
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 22.123 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	32.4	97.0
227	66.9	31.6	95.0

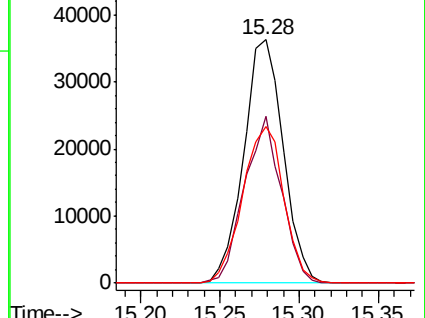
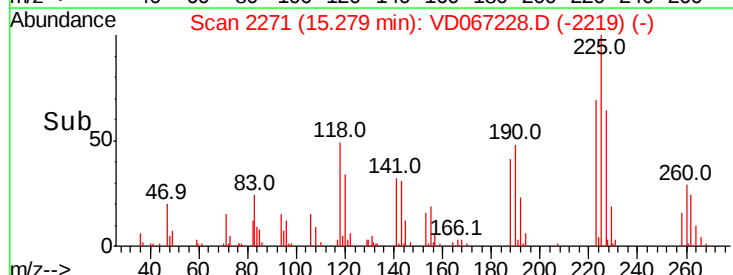


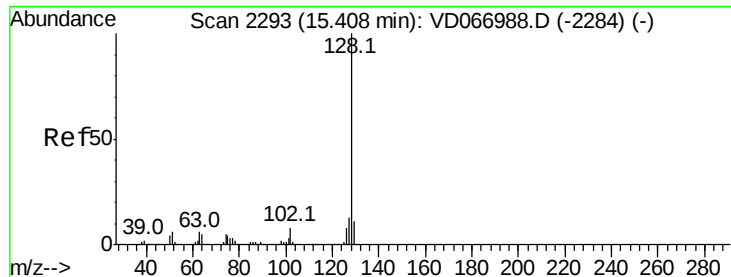
Abundance

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: 22.448 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBSD01

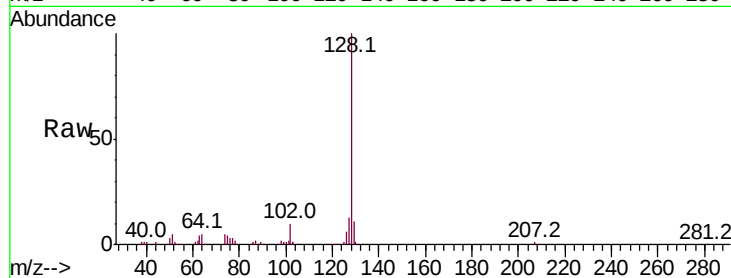
Tot Ion:128 Resp: 173564

Ion Ratio Lower Upper

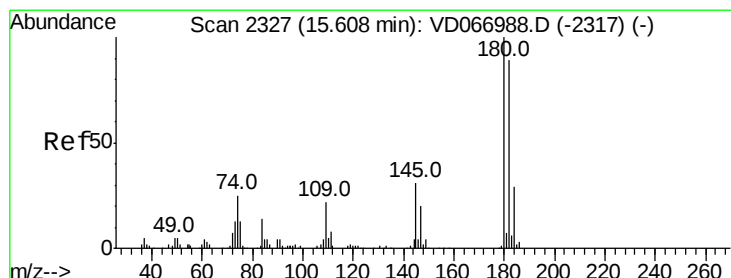
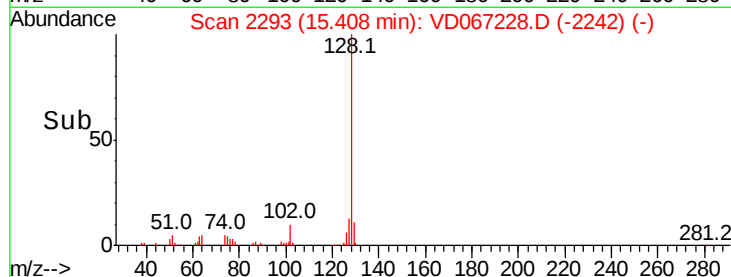
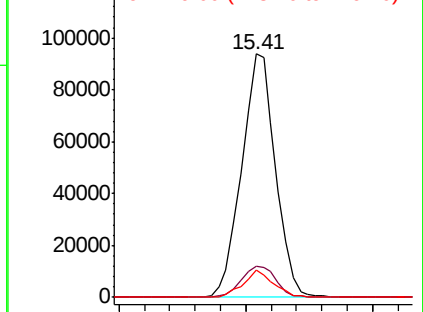
128 100

127 13.1 10.3 15.5

129 9.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.534 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.01 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

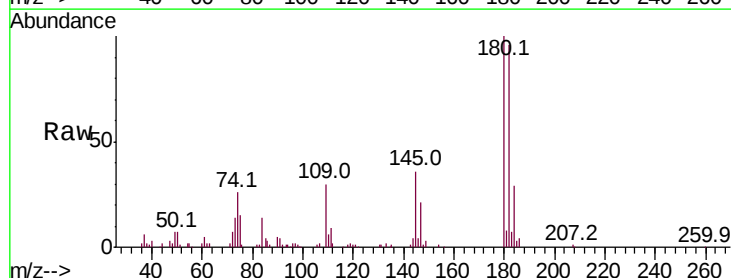
Tgt Ion:180 Resp: 90675

Ion Ratio Lower Upper

180 100

182 95.5 46.4 139.1

145 34.5 16.6 49.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

