

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090420\
 Data File : VD066558.D
 Acq On : 04 Sep 2020 13:00
 Operator : VA/SY
 Sample : L3877-01
 Misc : 6.78G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

Quant Time: Sep 05 03:46:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	403815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	676286	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	577118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	262850	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	277159	56.73	ug/l	0.01
Spiked Amount	50.000		Recovery	=	113.46%	
35) Dibromofluoromethane	7.91	113	222654	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	10.34	98	969051	59.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.86%	
62) 4-Bromofluorobenzene	12.63	95	329124	60.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.74%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	2146	Below Cal	75
4) Vinyl Chloride	2.34	62	12849	2.269 ug/l	93
5) Bromomethane	2.78	94	1922	Below Cal	88
10) Methyl Iodide	4.30	142	1858	4.437 ug/l #	65
11) Tert butyl alcohol	5.24	59	233	Below Cal #	74
13) Acrolein	3.89	56	9355	46.828 ug/l #	1
14) Allyl chloride	4.83	41	129923	19.485 ug/l #	1
16) Acetone	4.15	43	64272	71.495 ug/l	98
17) Carbon Disulfide	4.41	76	184967	13.830 ug/l	99
20) Methylene Chloride	4.97	84	36838	1.038 ug/l #	94
23) Vinyl Acetate	6.33	43	9431	1.209 ug/l #	84
25) 2-Butanone	7.21	43	30585	25.345 ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	61459	11.829 ug/l	85
29) Tetrahydrofuran	7.56	42	776	1.033 ug/l #	35
30) Chloroform	7.73	83	22931	2.514 ug/l #	43
31) Cyclohexane	7.98	56	347744	43.628 ug/l	98
36) 1,1-Dichloropropene	8.36	75	2656030	377.380 ug/l #	1
37) Ethyl Acetate	7.21	43	30585	10.913 ug/l #	1
39) Methylcyclohexane	9.35	83	1688971	214.907 ug/l	96
41) Methacrylonitrile	7.73	41	152114	112.129 ug/l #	1
42) 1,2-Dichloroethane	8.36	62	1357138	217.301 ug/l	76
43) Isopropyl Acetate	8.44	43	33912	6.314 ug/l #	52
44) Trichloroethene	9.11	130	40847	8.079 ug/l	85
45) 1,2-Dichloropropane	9.35	63	19619	4.047 ug/l #	1
48) Methyl methacrylate	9.54	41	57860	21.305 ug/l #	51
49) 1,4-Dioxane	9.47	88	121	4.124 ug/l #	1
51) 4-Methyl-2-Pentanone	10.33	43	121145	44.726 ug/l #	51
52) Toluene	10.40	92	1930714	158.233 ug/l	98
55) 1,1,2-Trichloroethane	10.77	97	407360	118.466 ug/l #	20
56) Ethyl methacrylate	10.67	69	201328	50.285 ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.92	63	5801	3.168 ug/l #	49
59) 2-Hexanone	10.95	43	770126	422.798 ug/l #	31
68) m/p-Xylenes	11.86	106	18582480	2288.220 ug/l #	1
69) o-Xylene	12.18	106	3770362	518.055 ug/l	96

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 ALS Vial : 6 Sample Multiplier: 1

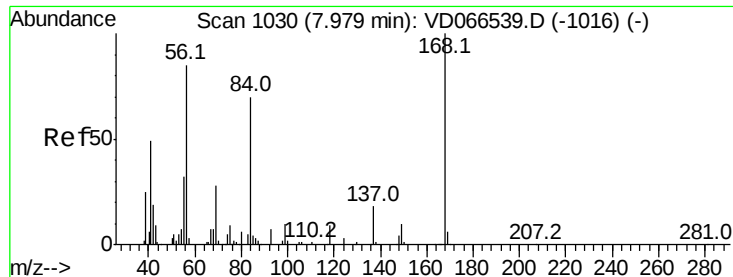
Instrument :
 MSVOA_D
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 TP-1

Quant Time: Sep 05 03:46:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

70) Styrene	12.18	104	307528	24.305	ug/l #	1
73) Isopropylbenzene	12.48	105	4304091	221.164	ug/l	100
74) N-amyl acetate	12.27	43	429076	97.347	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	12.71	83	20551	5.977	ug/l #	26
76) 1,2,3-Trichloropropane	12.82	75	50881	20.128	ug/l #	100
78) n-propylbenzene	12.82	91	8016822	339.814	ug/l	97
79) 2-Chlorotoluene	12.92	91	1512298	114.265	ug/l #	50
80) 1,3,5-Trimethylbenzene	12.96	105	16039936	979.248	ug/l	78
81) trans-1,4-Dichloro-2-buten	12.48	75	54647	50.469	ug/l #	54
82) 4-Chlorotoluene	12.97	91	2361967	166.888	ug/l #	42
83) tert-Butylbenzene	13.28	119	7861676	587.747	ug/l #	64
84) 1,2,4-Trimethylbenzene	13.13	105	12371018	758.585	ug/l	80
85) sec-Butylbenzene	13.41	105	782246	40.592	ug/l #	59
86) p-Isopropyltoluene	13.52	119	1578584	91.009	ug/l	92
89) n-Butylbenzene	13.85	91	1754047	103.773	ug/l #	70
90) Hexachloroethane	14.12	117	1553588	415.691	ug/l #	18
92) 1,2-Dibromo-3-Chloropropan	14.49	75	83554	143.061	ug/l #	7
93) 1,2,4-Trichlorobenzene	15.16	180	5109	1.131	ug/l #	1
95) Naphthalene	15.23	128	252951	32.037	ug/l #	68
96) 1,2,3-Trichlorobenzene	15.57	180	13050	3.388	ug/l #	1

(#) = 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: VD066558.D

Acq: 04 Sep 2020 13:00

Instrument :

MSVOA_D

ClientSampled :

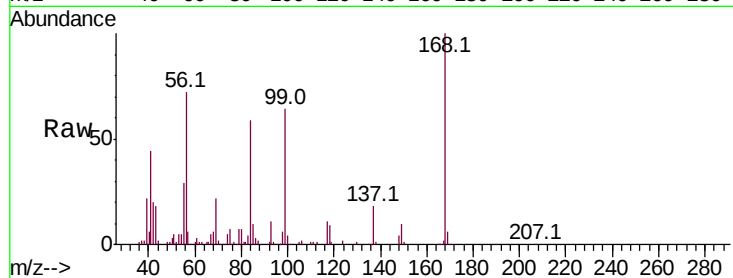
TP-1

Tot Ion:168 Resp: 403815

Ion Ratio Lower Upper

168 100

99 63.9 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

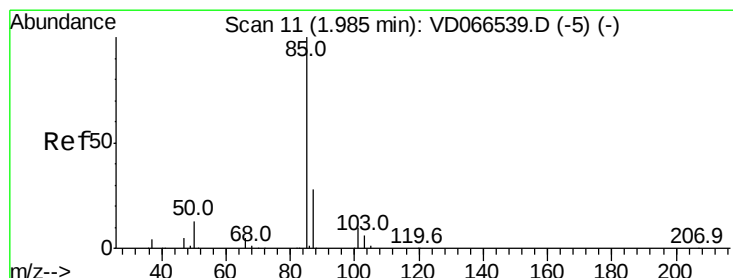
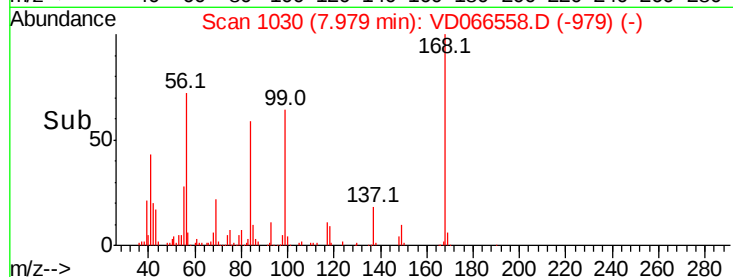
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD066558.D

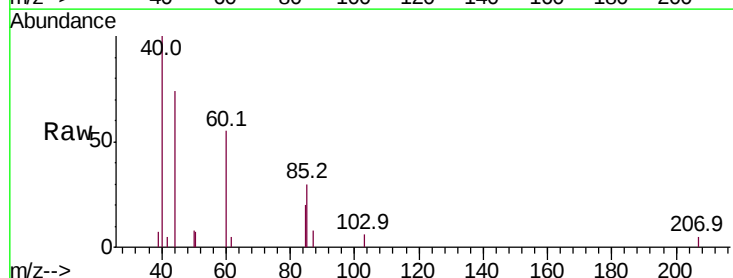
Acq: 04 Sep 2020 13:00

Tgt Ion: 85 Resp: 2146

Ion Ratio Lower Upper

85 100

87 15.1 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

2.00

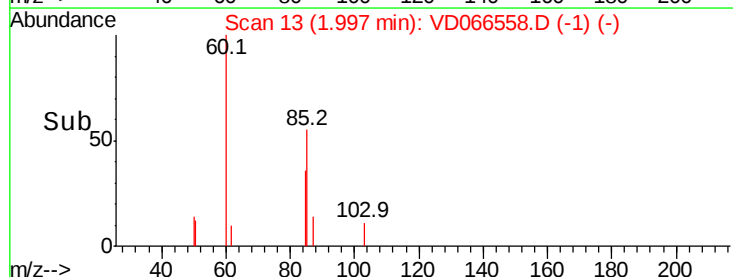
1500

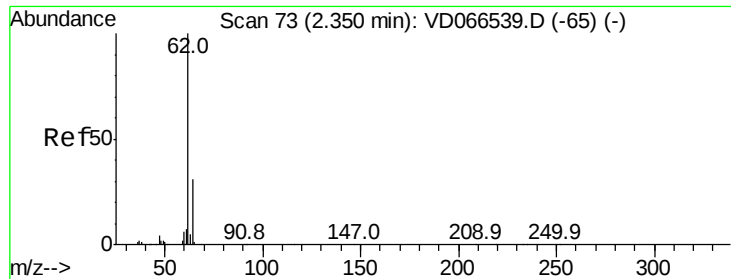
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: 2.269 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD066558.D

Acq: 04 Sep 2020 13:00

Instrument :

MSVOA_D

ClientSampleId :

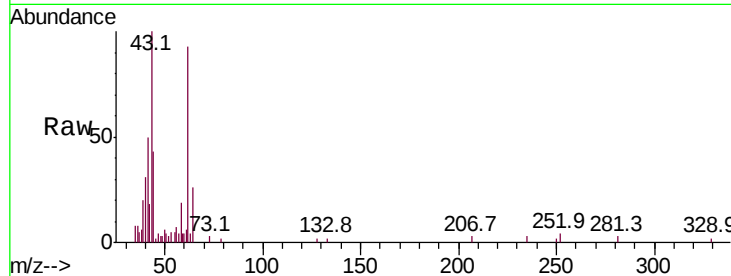
TP-1

Tot Ion: 62 Resp: 12849

Ion Ratio Lower Upper

62 100

64 27.7 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.34

8000

6000

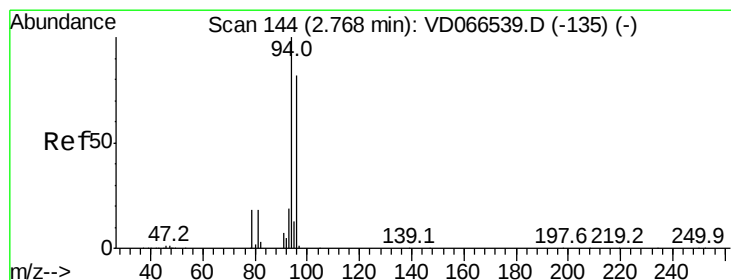
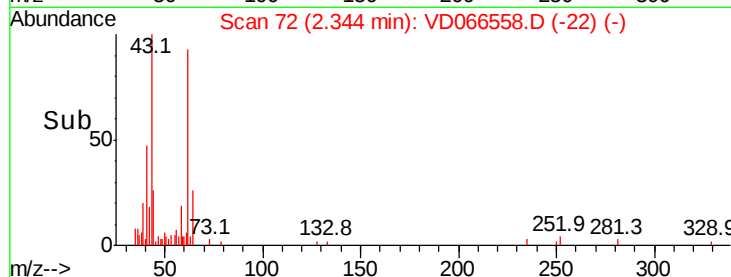
4000

2000

0

Time-->

2.30 2.35 2.40



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD066558.D

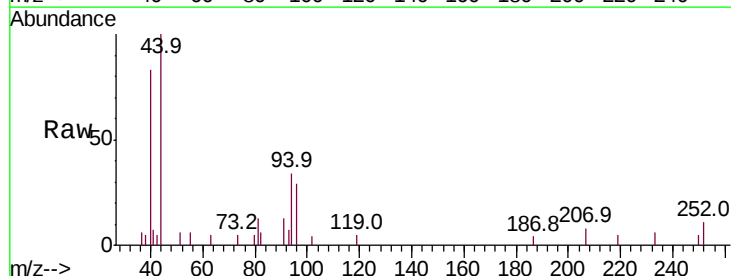
Acq: 04 Sep 2020 13:00

Tgt Ion: 94 Resp: 1922

Ion Ratio Lower Upper

94 100

96 70.7 65.2 97.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.78

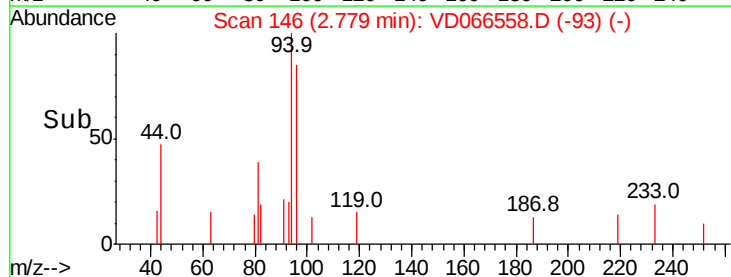
1000

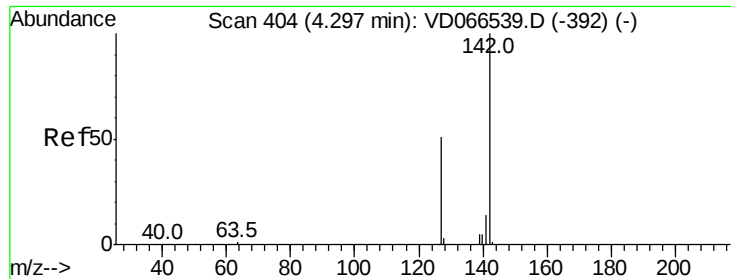
500

0

Time-->

2.75 2.80 2.85





#10

Methyl Iodide

Concen: 4.437 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066558.D

Acq: 04 Sep 2020 13:00

Instrument :

MSVOA_D

ClientSampleId :

TP-1

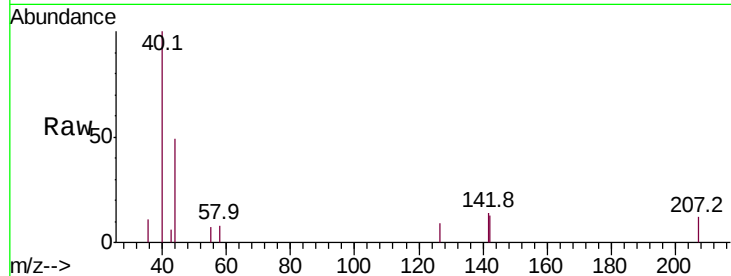
Tot Ion:142 Resp: 1858

Ion Ratio Lower Upper

142 100

127 27.0 40.6 61.0#

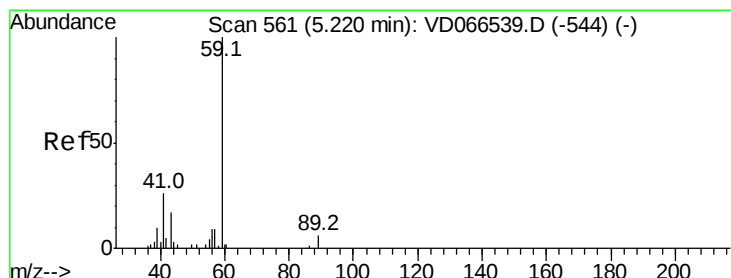
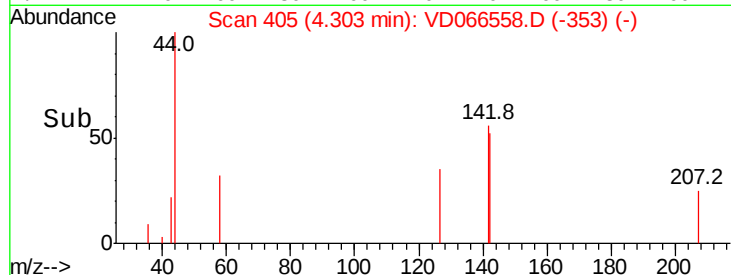
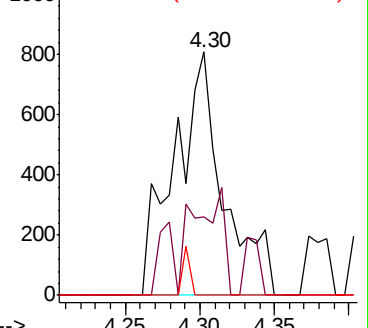
141 0.0 12.2 18.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.24 min Scan# 564

Delta R.T. 0.02 min

Lab File: VD066558.D

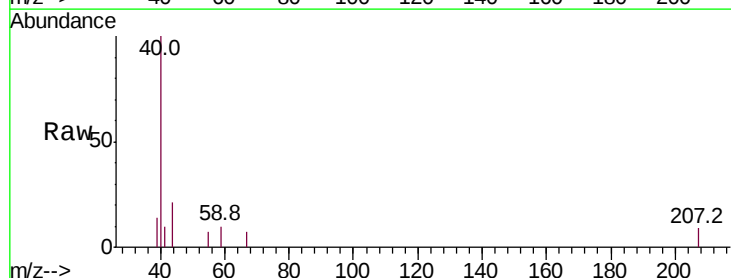
Acq: 04 Sep 2020 13:00

Tgt Ion: 59 Resp: 233

Ion Ratio Lower Upper

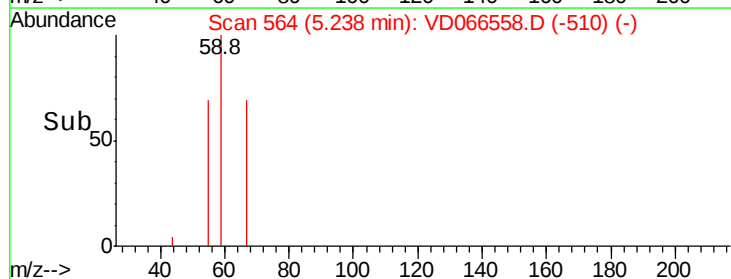
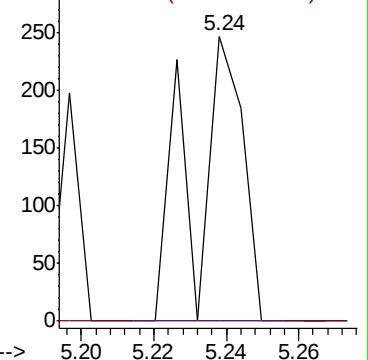
59 100

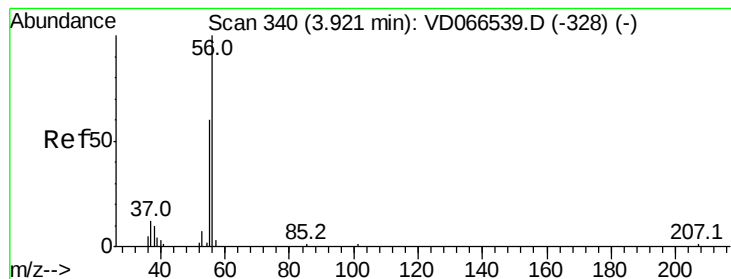
57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): V

Ion 57.00 (56.70 to 57.70): V





#13

Acrolein

Concen: 46.828 ug/l

RT: 3.89 min Scan# 334

Delta R.T. -0.04 min

Lab File: VD066558.D

Acq: 04 Sep 2020 13:00

Instrument :

MSVOA_D

ClientSampleId :

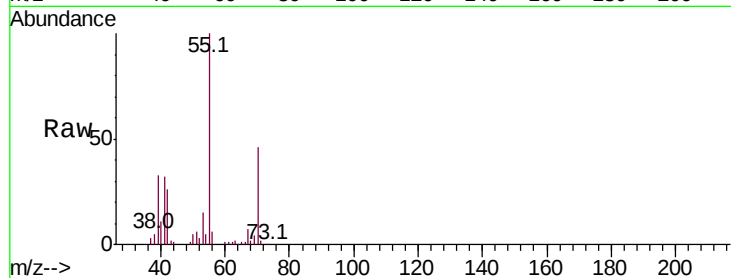
TP-1

Tot Ion: 56 Resp: 9355

Ion Ratio Lower Upper

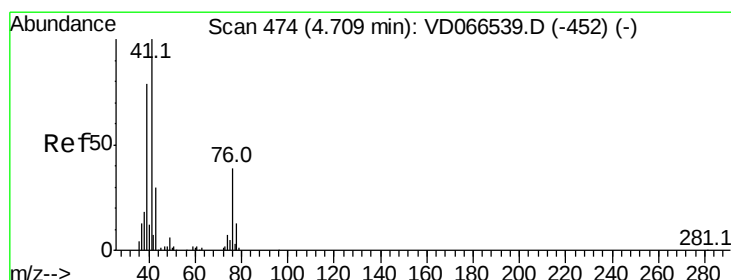
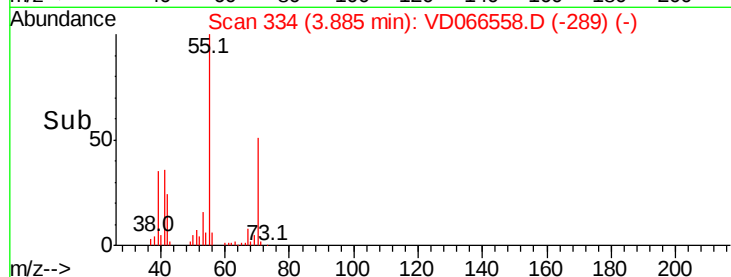
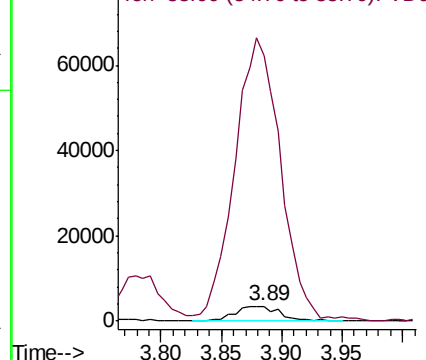
56 100

55 1873.0 53.6 80.4#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.485 ug/l

RT: 4.83 min Scan# 494

Delta R.T. 0.12 min

Lab File: VD066558.D

Acq: 04 Sep 2020 13:00

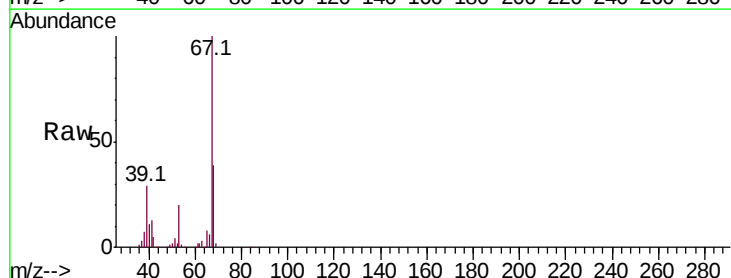
Tgt Ion: 41 Resp: 129923

Ion Ratio Lower Upper

41 100

39 222.1 61.9 92.9#

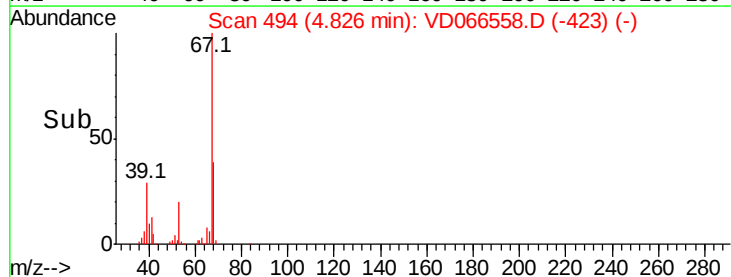
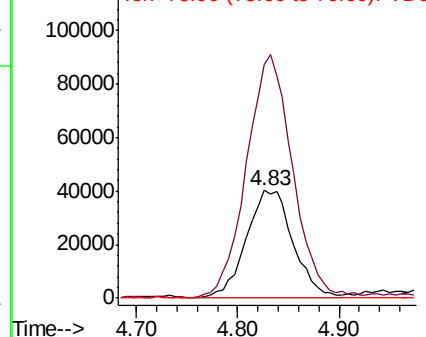
76 0.0 29.0 43.6#

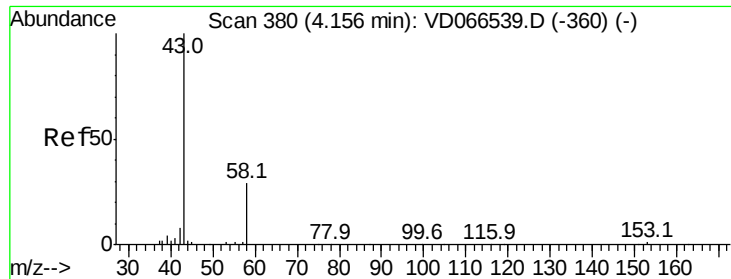


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#16

Acetone

Concen: 71.495 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066558.D

Acq: 04 Sep 2020 13:00

Instrument :

MSVOA_D

ClientSampleId :

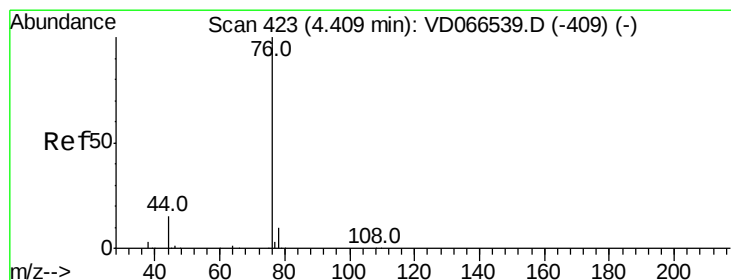
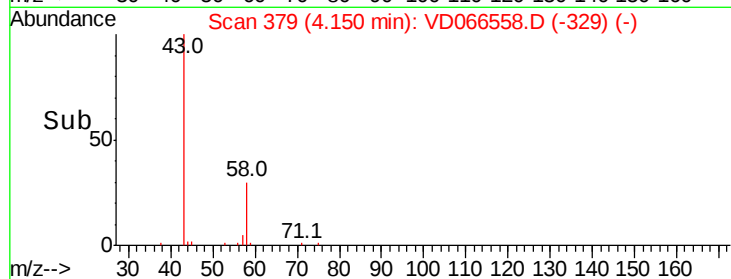
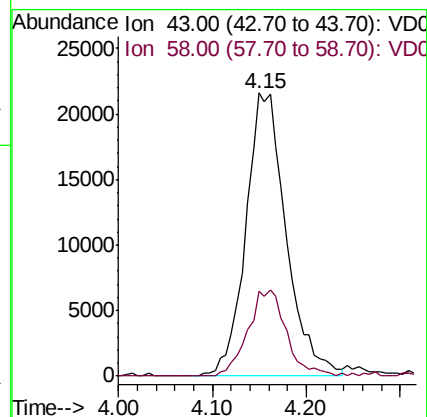
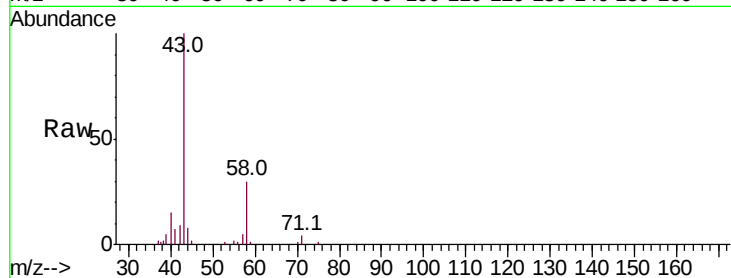
TP-1

Tot Ion: 43 Resp: 64272

Ion Ratio Lower Upper

43 100

58 29.9 22.9 34.3



#17

Carbon Disulfide

Concen: 13.830 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066558.D

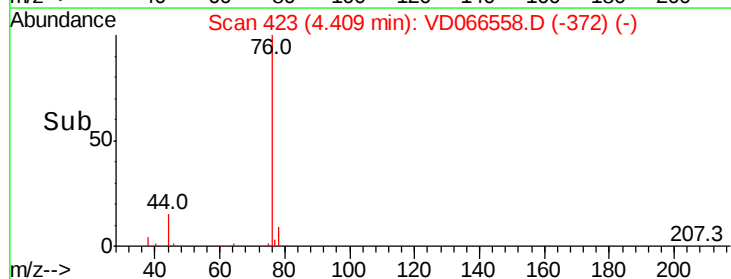
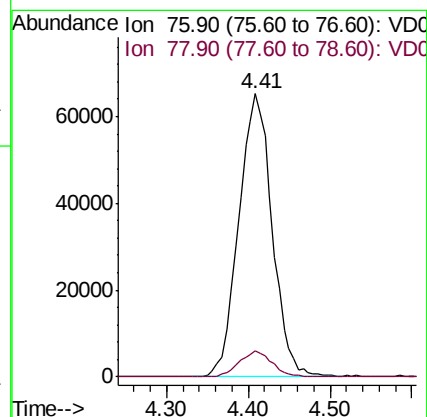
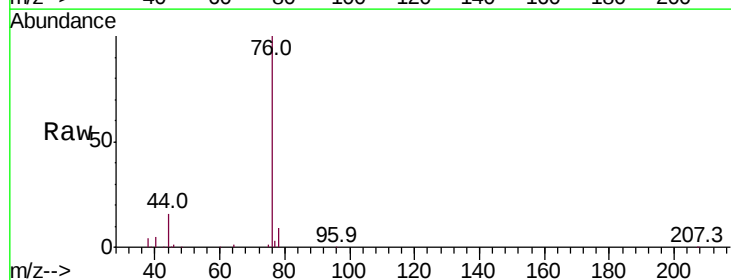
Acq: 04 Sep 2020 13:00

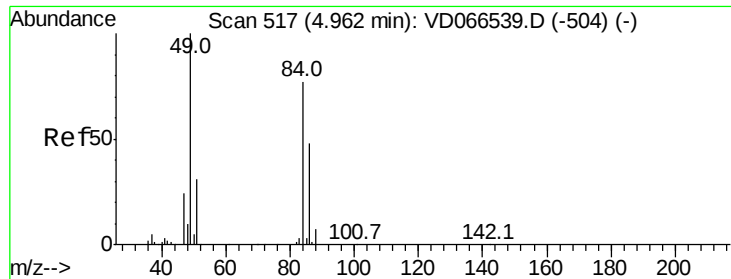
Tgt Ion: 76 Resp: 184967

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4

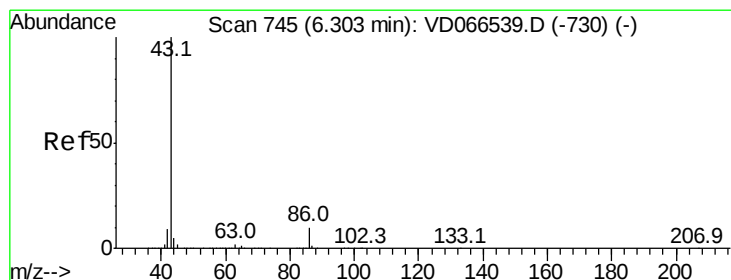
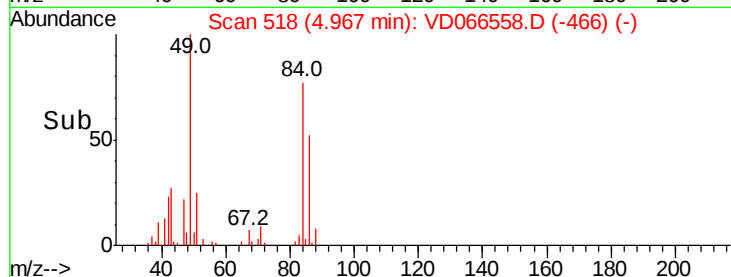
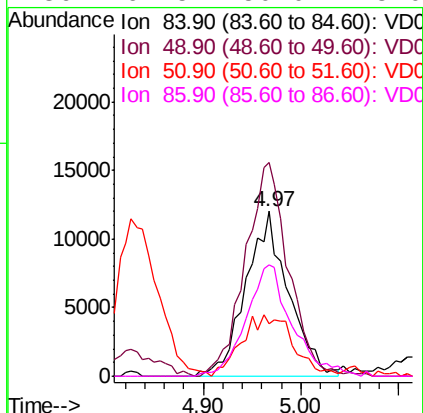
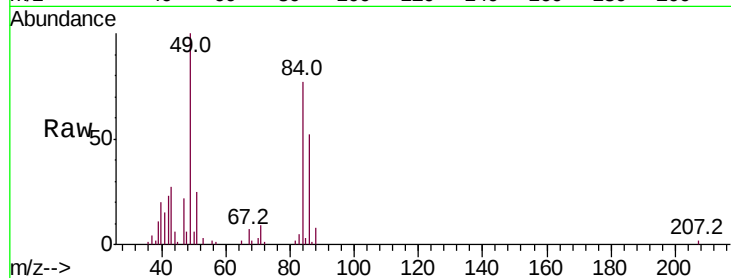




#20
Methylene Chloride
Concen: 1.038 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

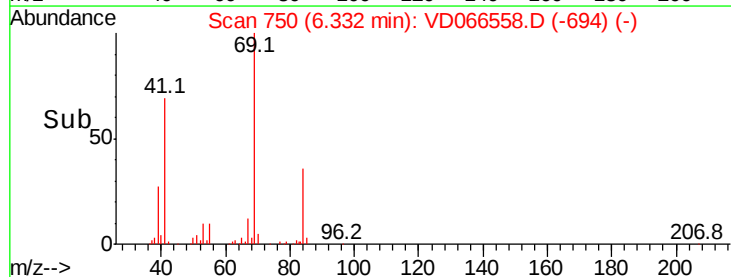
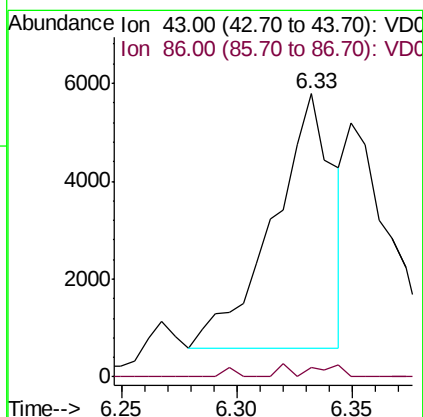
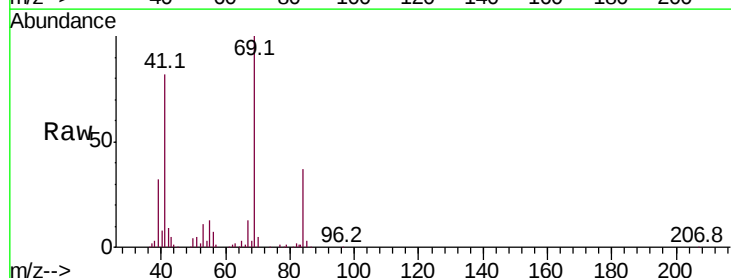
Instrument :
MSVOA_D
ClientSampleID :
TP-1

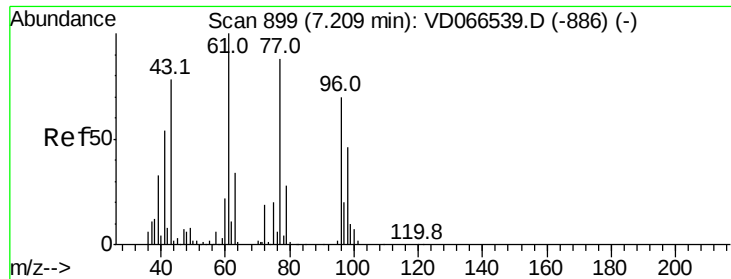
Tot Ion: 84 Resp: 36838
Ion Ratio Lower Upper
84 100
49 127.9 104.3 156.5
51 30.2 32.2 48.4#
86 67.5 50.0 75.0



#23
Vinyl Acetate
Concen: 1.209 ug/l
RT: 6.33 min Scan# 750
Delta R.T. 0.03 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

Tgt Ion: 43 Resp: 9431
Ion Ratio Lower Upper
43 100
86 3.7 7.7 11.5#

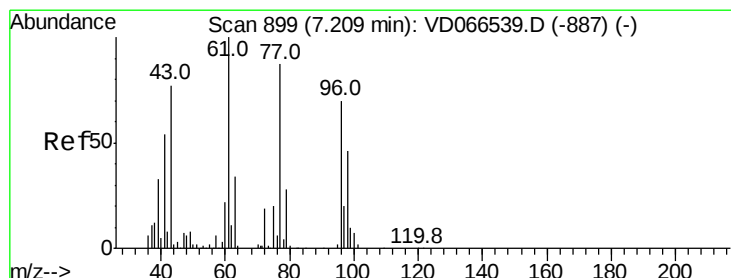
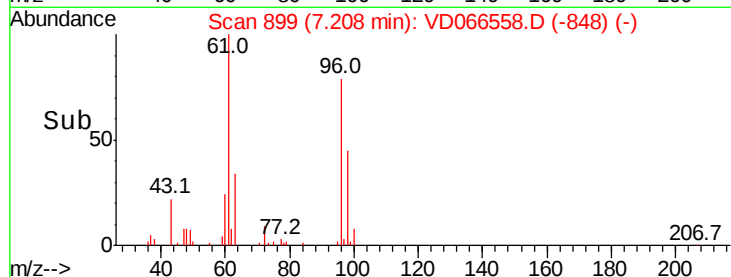
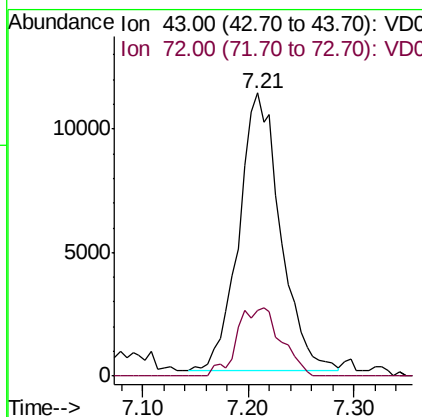
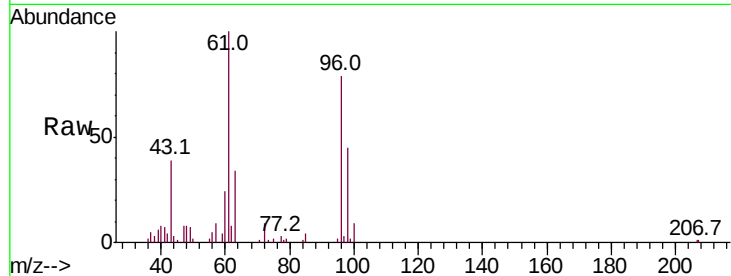




#25
2-Butanone
Concen: 25.345 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

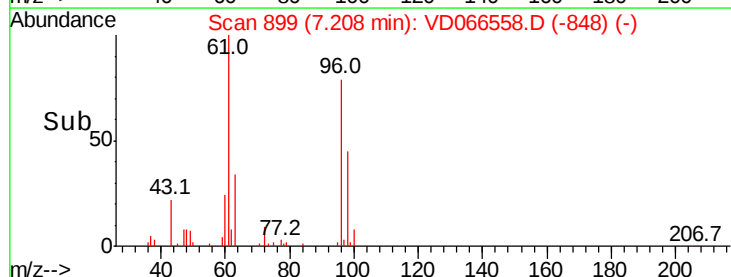
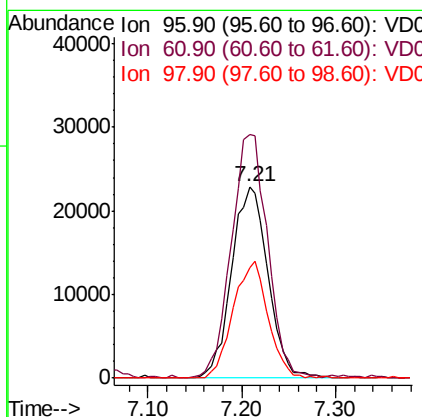
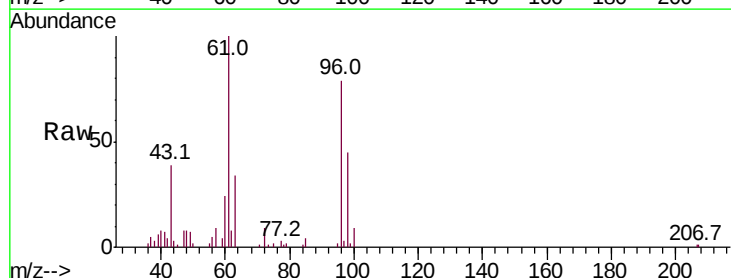
Instrument :
MSVOA_D
ClientSampled :
TP-1

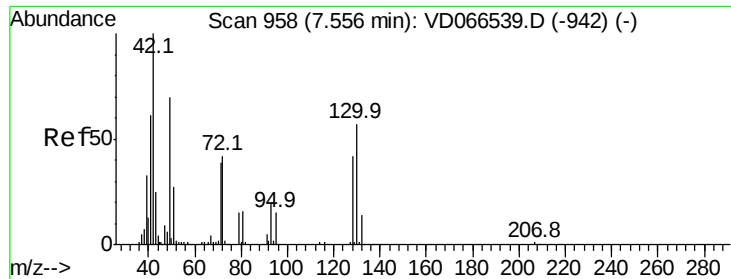
Tot Ion: 43 Resp: 30585
Ion Ratio Lower Upper
43 100
72 23.8 19.8 29.6



#27
cis-1,2-Dichloroethene
Concen: 11.829 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

Tgt Ion: 96 Resp: 61459
Ion Ratio Lower Upper
96 100
61 127.5 0.0 301.0
98 58.3 0.0 129.8

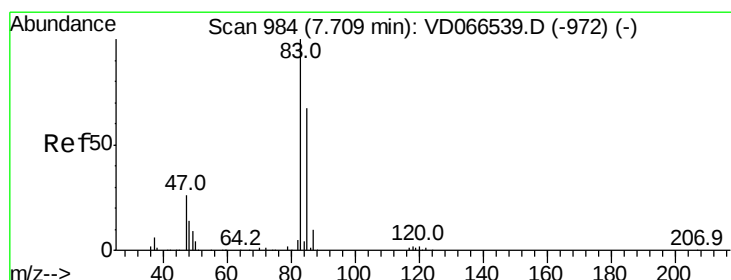
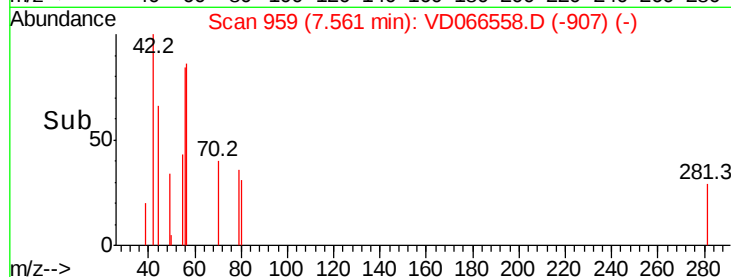
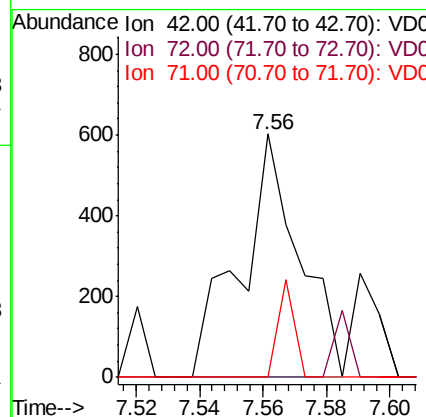
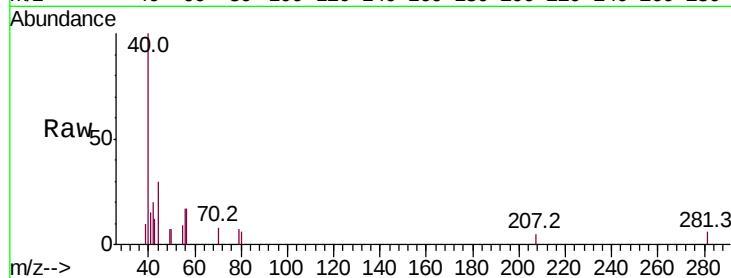




#29
Tetrahydrofuran
Concen: 1.033 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.01 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

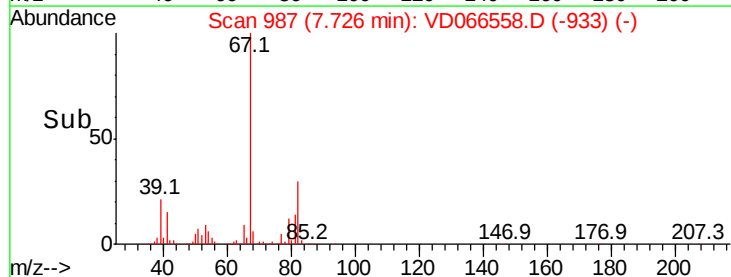
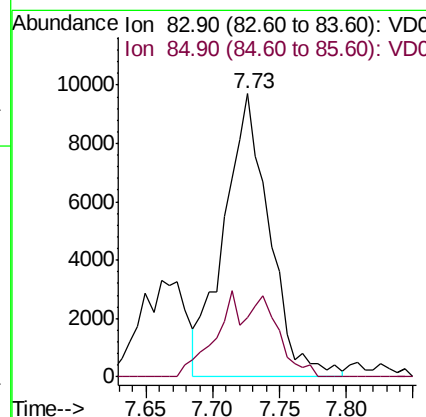
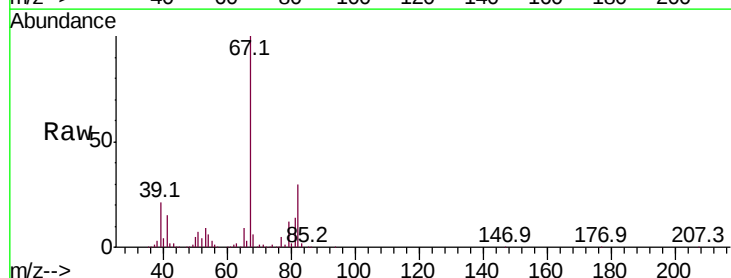
Instrument :
MSVOA_D
ClientSampled :
TP-1

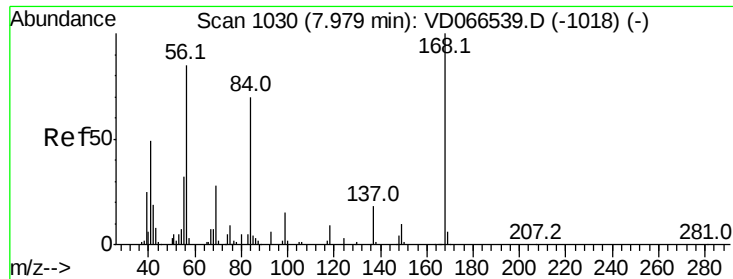
Tot Ion: 42 Resp: 776
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.0#
71 0.0 31.9 47.9#



#30
Chloroform
Concen: 2.514 ug/l
RT: 7.73 min Scan# 987
Delta R.T. 0.02 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

Tgt Ion: 83 Resp: 22931
Ion Ratio Lower Upper
83 100
85 21.5 53.6 80.4#

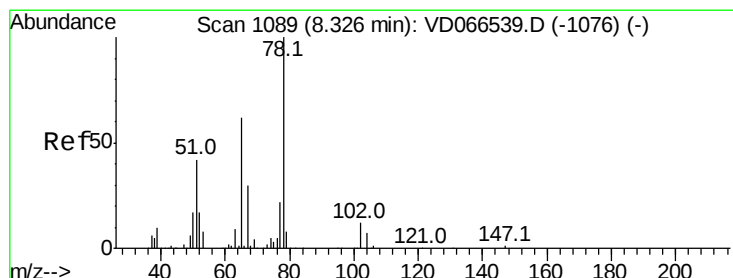
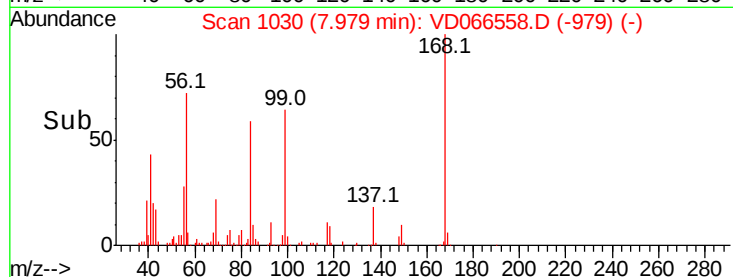
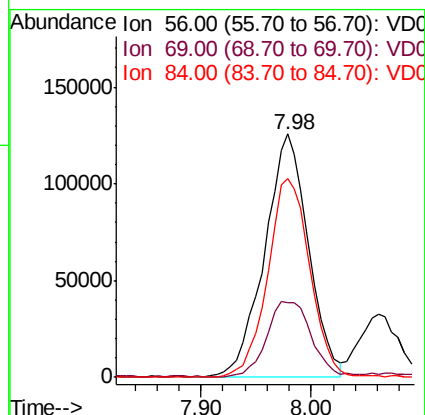
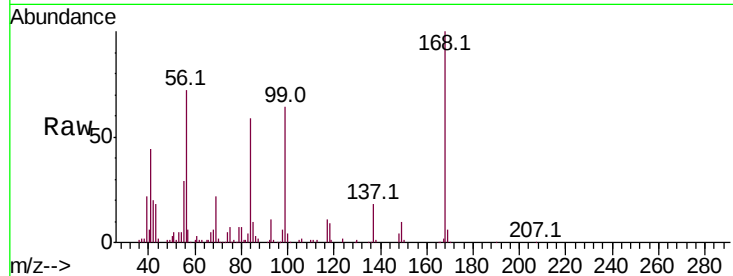




#31
Cyclohexane
Concen: 43.628 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

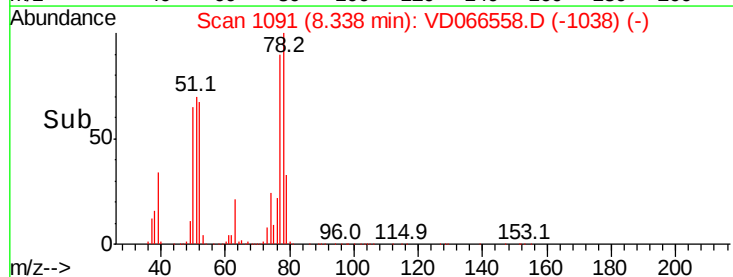
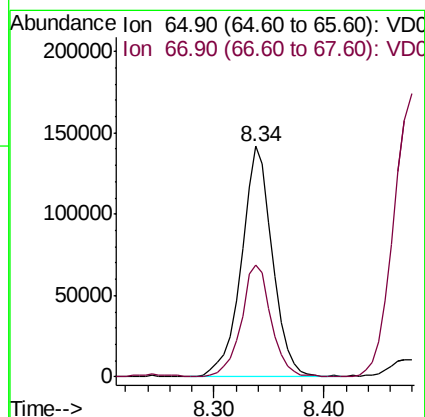
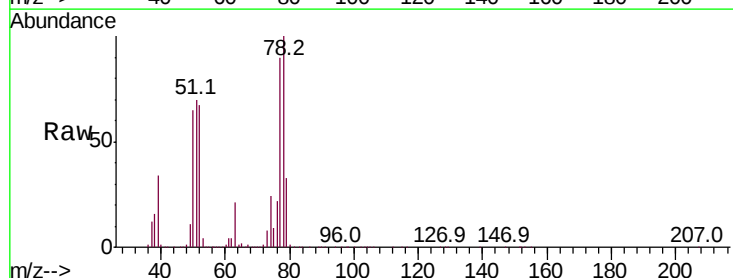
Instrument :
MSVOA_D
ClientSampled :
TP-1

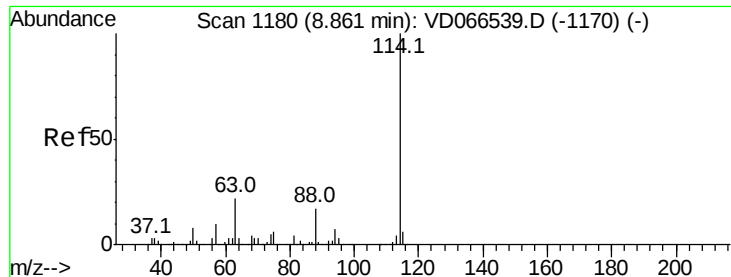
Tot Ion: 56 Resp: 347744
Ion Ratio Lower Upper
56 100
69 30.5 26.3 39.5
84 81.5 66.1 99.1



#33
1,2-Dichloroethane-d4
Concen: 56.728 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

Tgt Ion: 65 Resp: 277159
Ion Ratio Lower Upper
65 100
67 47.1 0.0 102.8

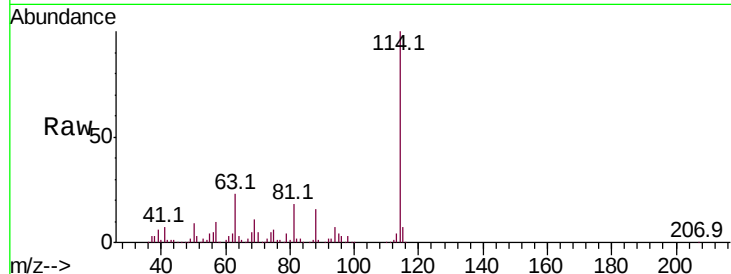




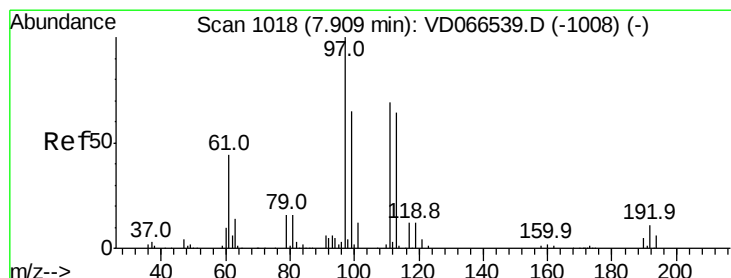
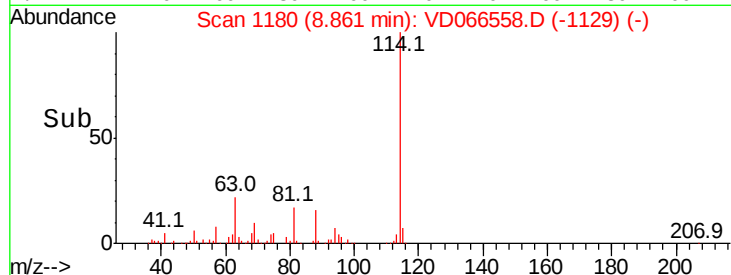
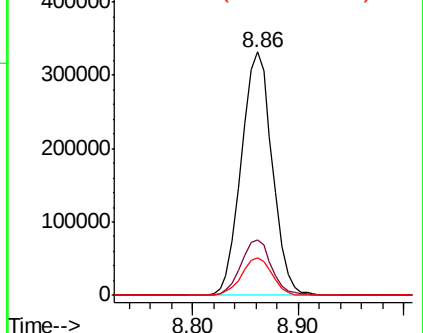
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.86 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

Instrument :
MSVOA_D
ClientSampleId :
TP-1

Tot Ion:114 Resp: 676286
Ion Ratio Lower Upper
114 100
63 22.8 0.0 43.2
88 15.6 0.0 33.2

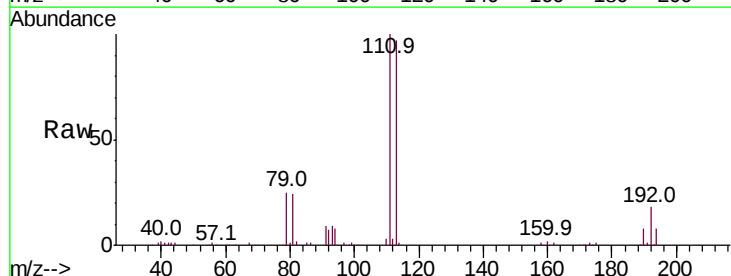


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

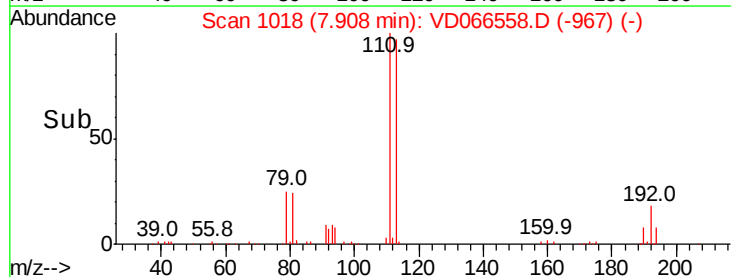
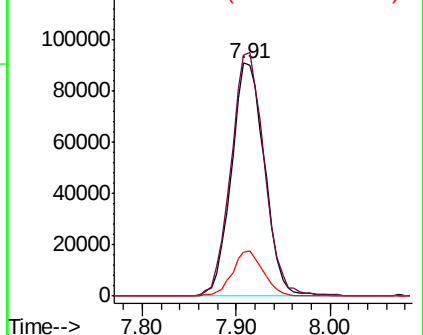


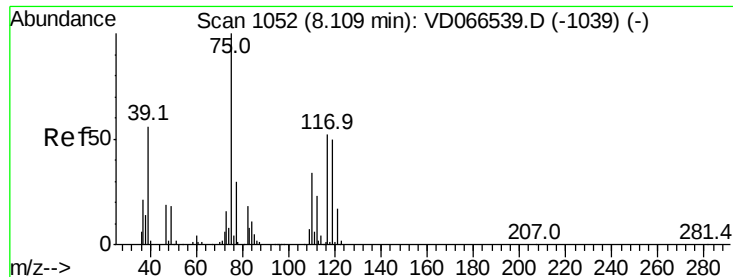
#35
Dibromofluoromethane
Concen: 48.803 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

Tgt Ion:113 Resp: 222654
Ion Ratio Lower Upper
113 100
111 104.9 83.2 124.8
192 18.2 13.7 20.5



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

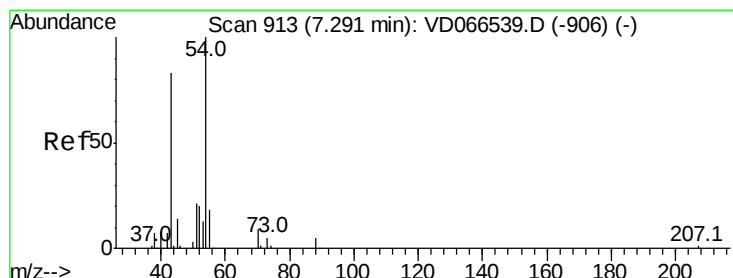
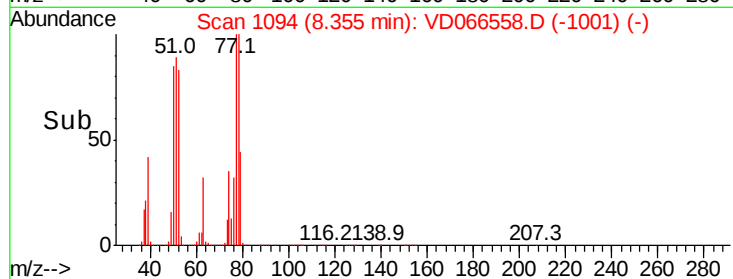
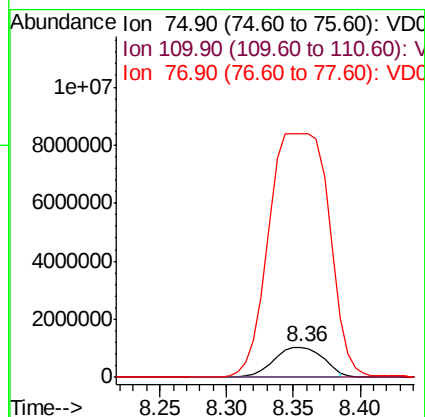
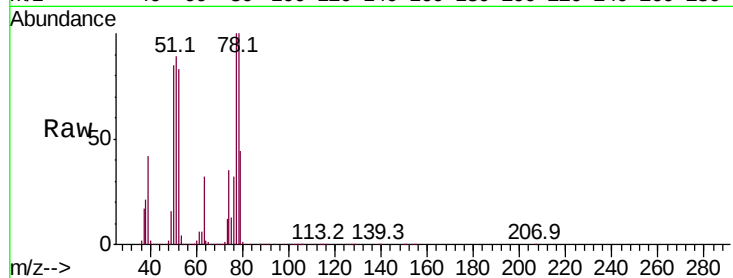




#36
 1,1-Dichloropropene
 Concen: 377.380 ug/l
 RT: 8.36 min Scan# 1094
 Delta R.T. 0.25 min
 Lab File: VD066558.D
 Acq: 04 Sep 2020 13:00

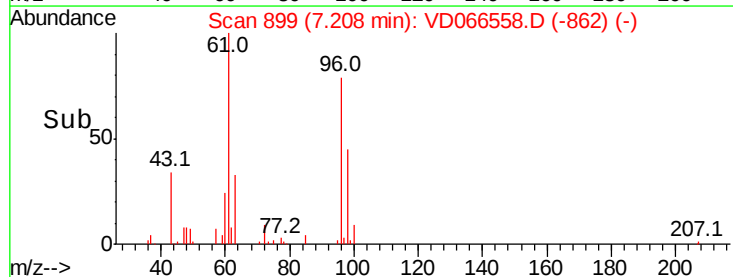
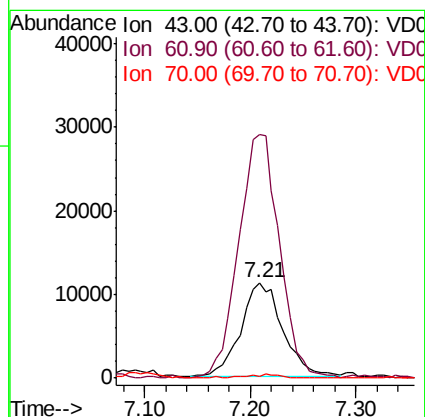
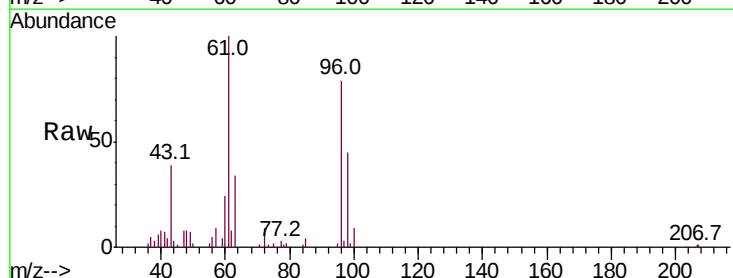
Instrument :
 MSVOA_D
 ClientSampled :
 TP-1

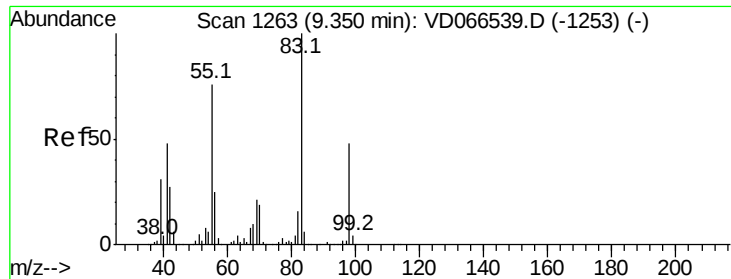
Tot Ion: 75 Resp: 2656030
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.3 52.0#
 77 967.5 25.1 37.7#



#37
 Ethyl Acetate
 Concen: 10.913 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.08 min
 Lab File: VD066558.D
 Acq: 04 Sep 2020 13:00

Tgt Ion: 43 Resp: 30585
 Ion Ratio Lower Upper
 43 100
 61 256.2 11.8 17.8#
 70 3.0 7.9 11.9#



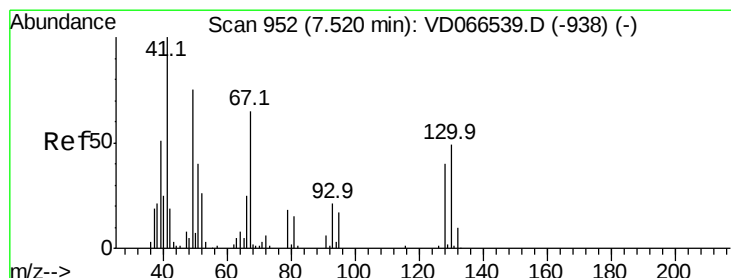
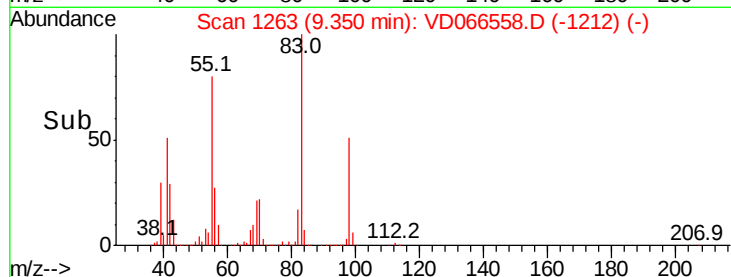
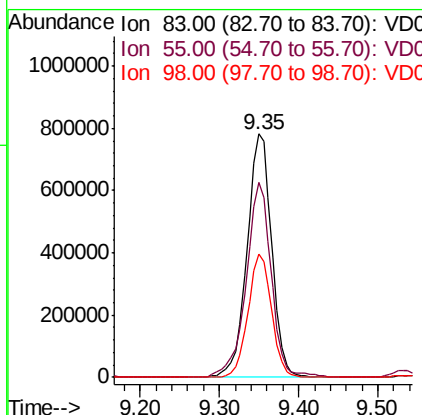
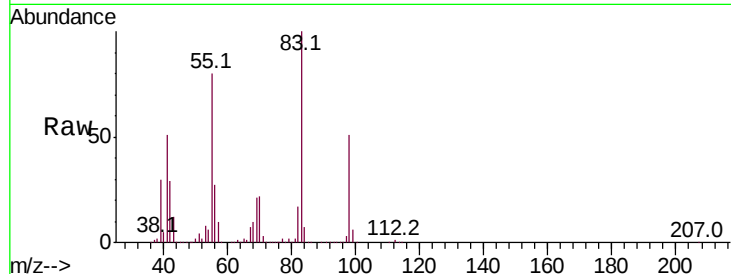


#39
Methvlcvclohexane
Concen: 214.907 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

Instrument :
MSVOA_D
ClientSampled :
TP-1

Tot Ion: 83 Resp: 1688971

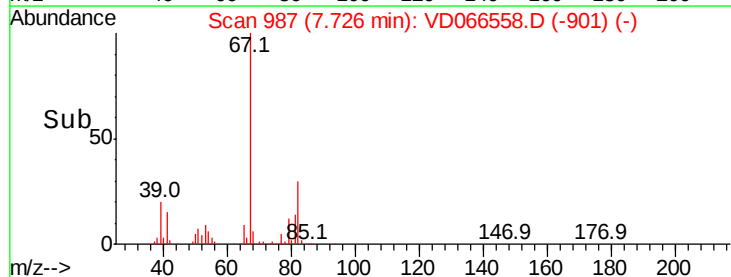
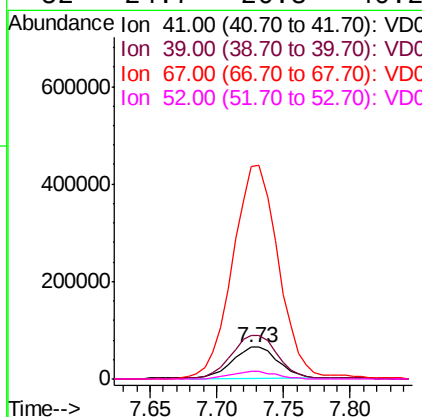
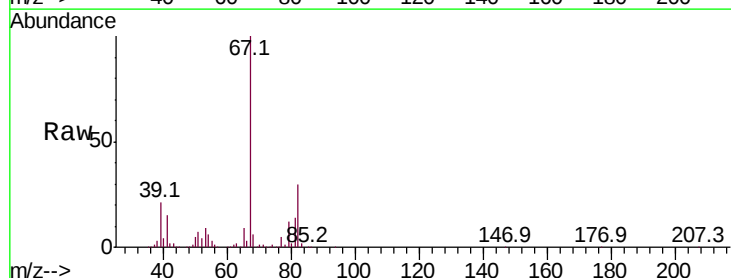
Ion	Ratio	Lower	Upper
83	100		
55	79.9	60.8	91.2
98	50.7	38.6	58.0

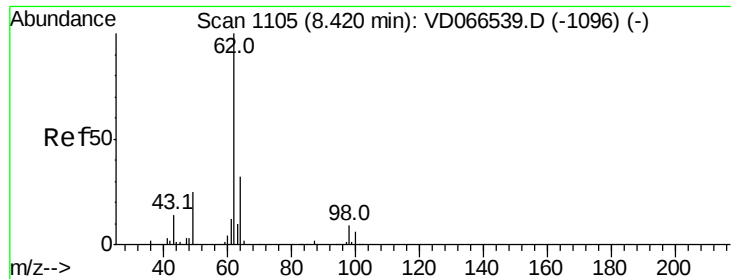


#41
Methacrylonitrile
Concen: 112.129 ug/l
RT: 7.73 min Scan# 987
Delta R.T. 0.21 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

Tgt Ion: 41 Resp: 152114

Ion	Ratio	Lower	Upper
41	100		
39	146.1	53.6	80.4#
67	692.7	59.2	88.8#
52	24.7	26.8	40.2#





#42

1,2-Dichloroethane

Concen: 217.301 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. -0.06 min

Lab File: VD066558.D

Acq: 04 Sep 2020 13:00

Instrument :

MSVOA_D

ClientSampleId :

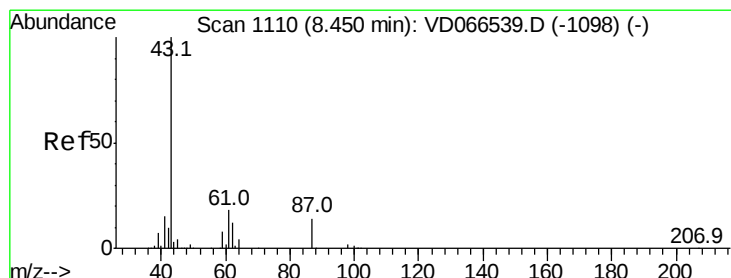
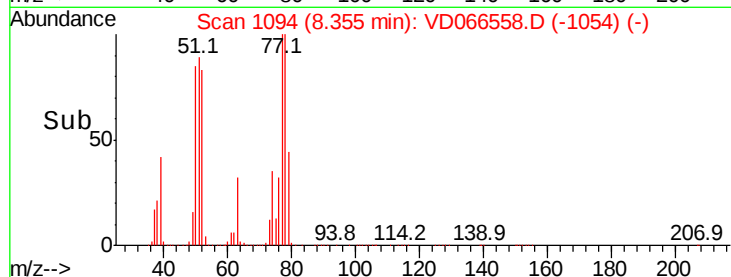
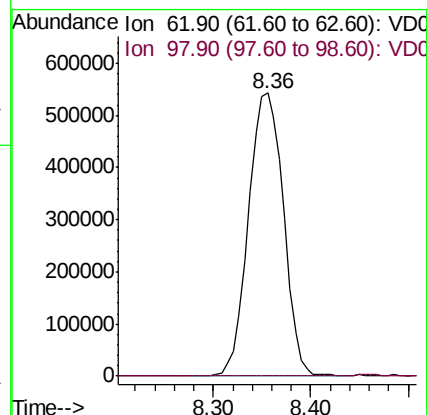
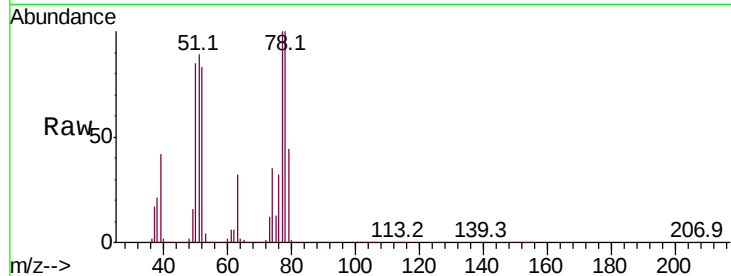
TP-1

Tot Ion: 62 Resp: 1357138

Ion Ratio Lower Upper

62 100

98 0.1 0.0 17.6



#43

Isopropyl Acetate

Concen: 6.314 ug/l

RT: 8.44 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD066558.D

Acq: 04 Sep 2020 13:00

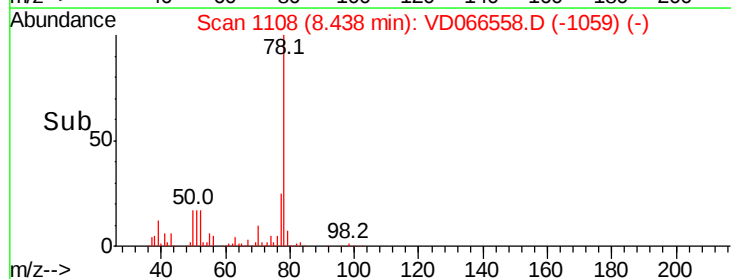
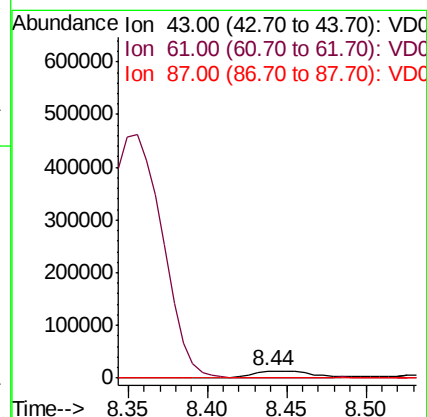
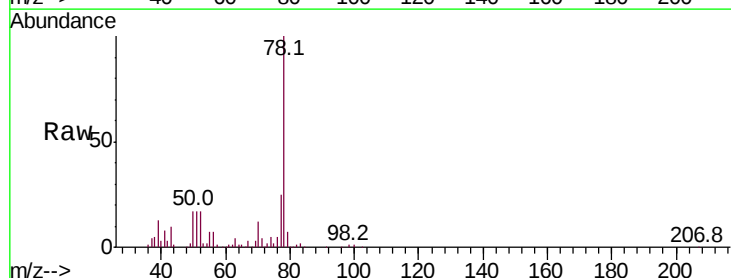
Tgt Ion: 43 Resp: 33912

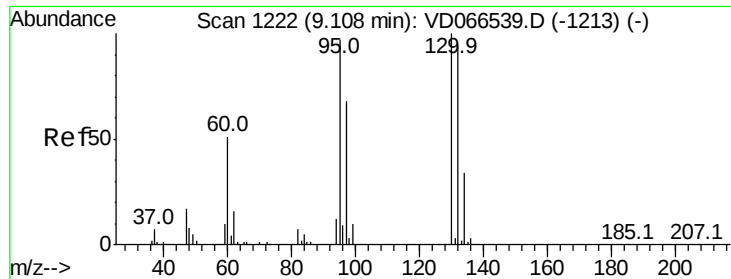
Ion Ratio Lower Upper

43 100

61 0.0 23.8 35.8#

87 0.3 10.7 16.1#

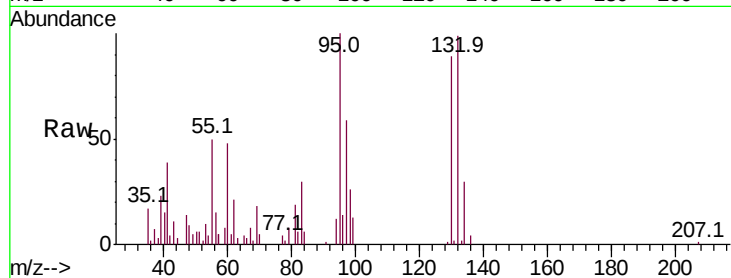




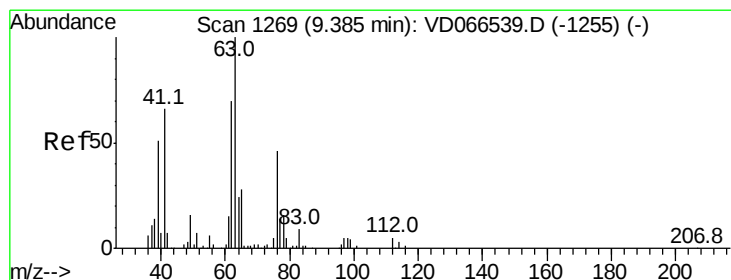
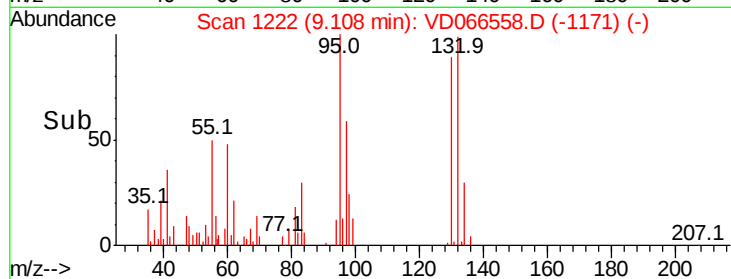
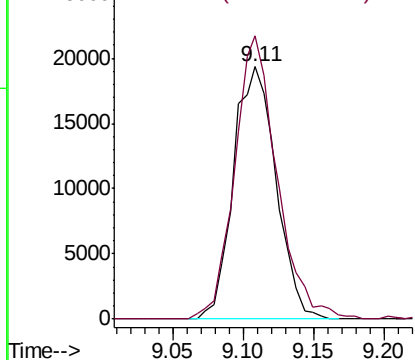
#44
 Trichloroethene
 Concen: 8.079 ug/l
 RT: 9.11 min Scan# 1222
 Delta R.T. -0.00 min
 Lab File: VD066558.D
 Acq: 04 Sep 2020 13:00

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

Tot Ion:130 Resp: 40847
 Ion Ratio Lower Upper
 130 100
 95 112.1 0.0 194.4

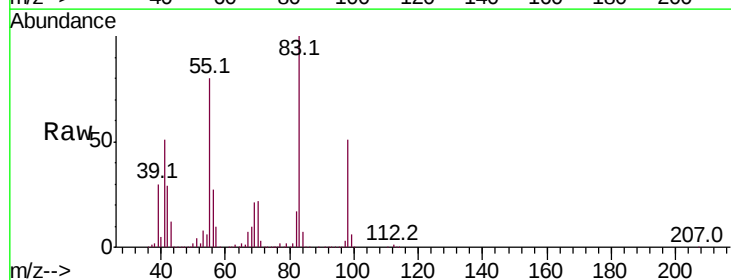


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VDC

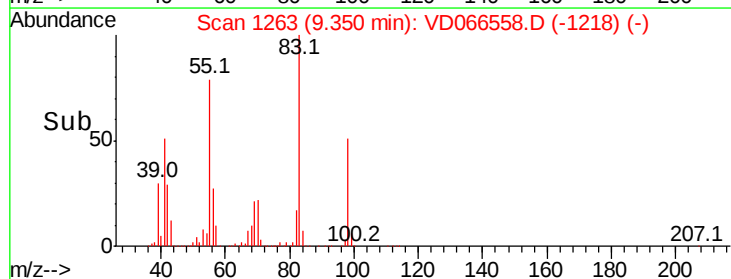
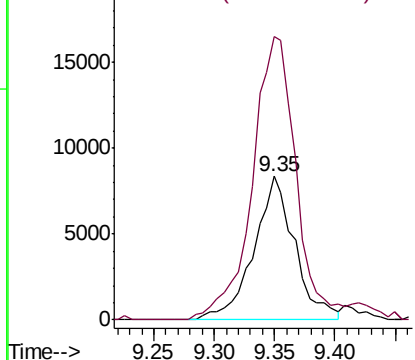


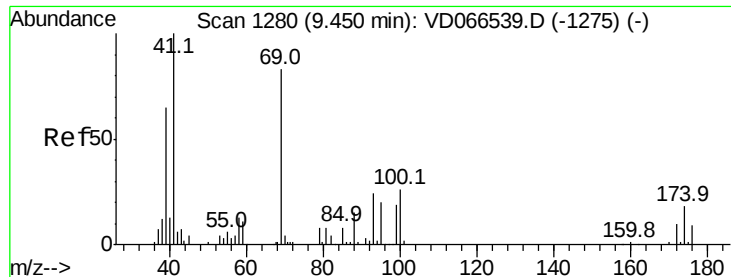
#45
 1,2-Dichloropropane
 Concen: 4.047 ug/l
 RT: 9.35 min Scan# 1263
 Delta R.T. -0.04 min
 Lab File: VD066558.D
 Acq: 04 Sep 2020 13:00

Tgt Ion: 63 Resp: 19619
 Ion Ratio Lower Upper
 63 100
 65 197.2 22.6 34.0#



Abundance Ion 62.90 (62.60 to 63.60): VDC
 Ion 64.90 (64.60 to 65.60): VDC

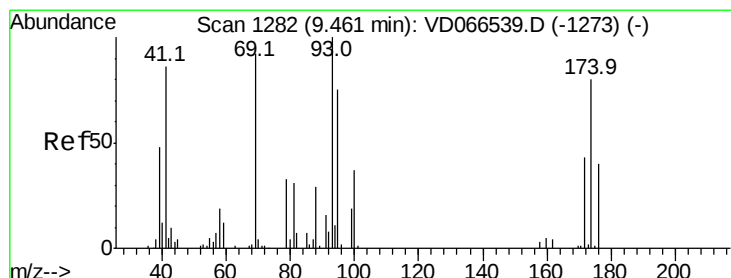
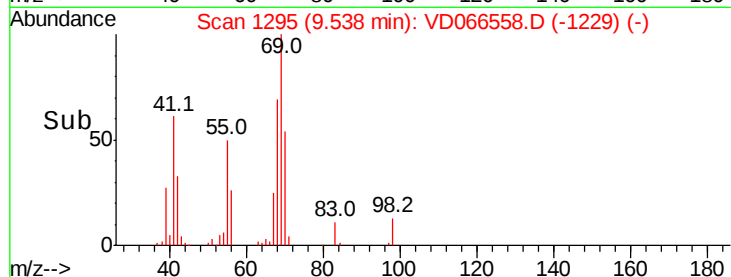
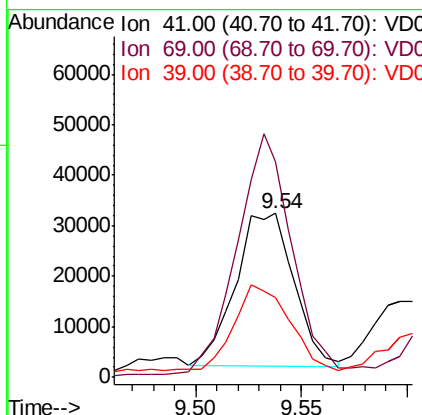
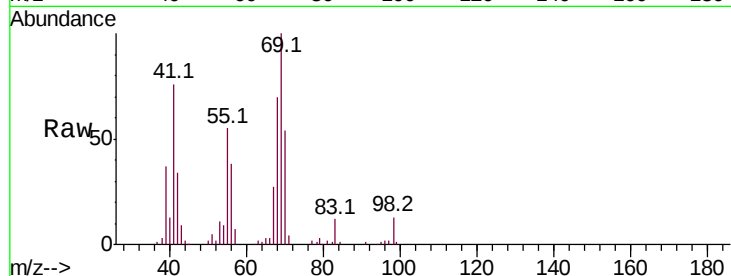




#48
Methyl methacrylate
Concen: 21.305 ug/l
RT: 9.54 min Scan# 1295
Delta R.T. 0.09 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

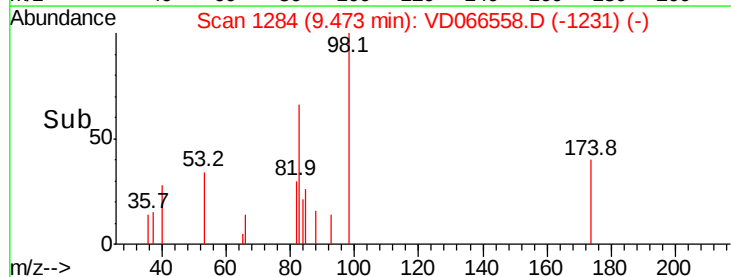
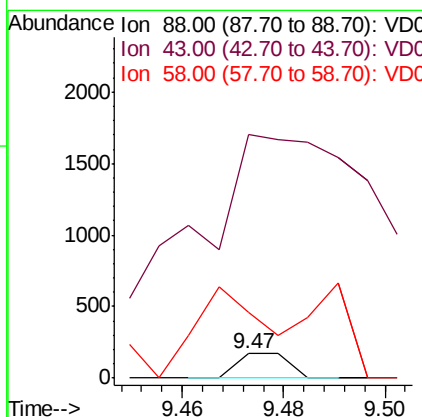
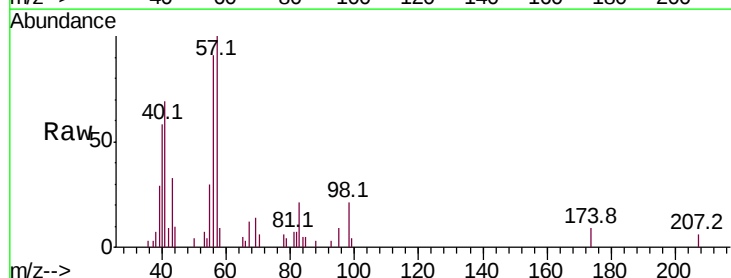
Instrument :
MSVOA_D
ClientSampled :
TP-1

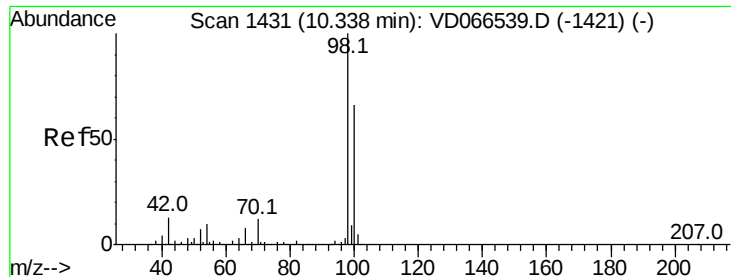
Tot Ion: 41 Resp: 57860
Ion Ratio Lower Upper
41 100
69 151.3 64.5 96.7#
39 52.9 46.6 69.8



#49
1,4-Dioxane
Concen: 4.124 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

Tgt Ion: 88 Resp: 121
Ion Ratio Lower Upper
88 100
43 0.0 28.3 42.5#
58 563.6 56.1 84.1#

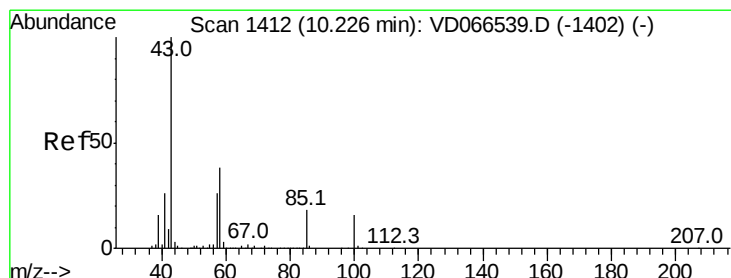
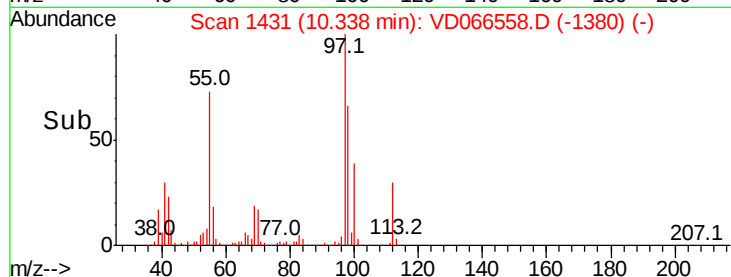
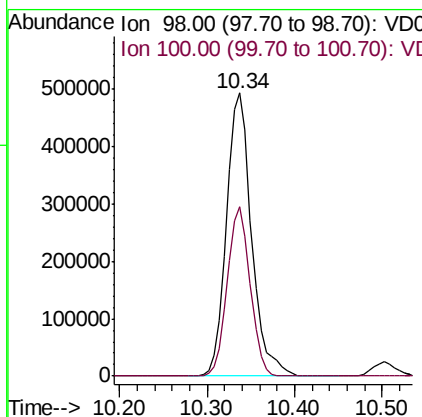
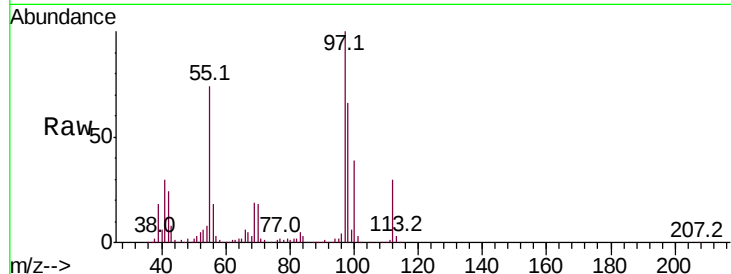




#50
Toluene-d8
Concen: 59.428 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

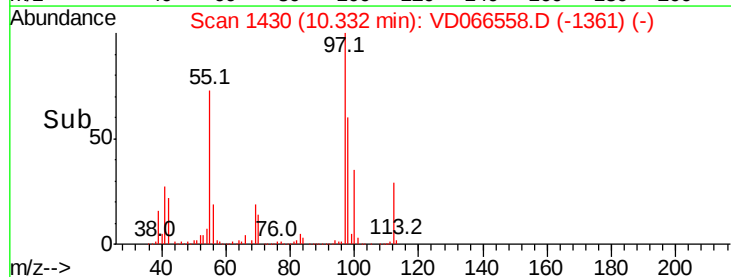
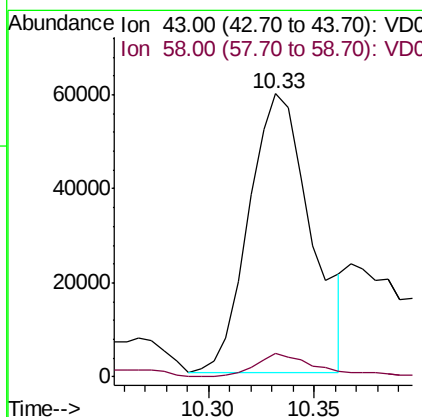
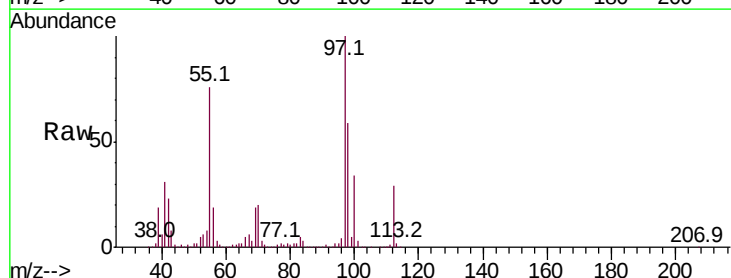
Instrument :
MSVOA_D
ClientSampled :
TP-1

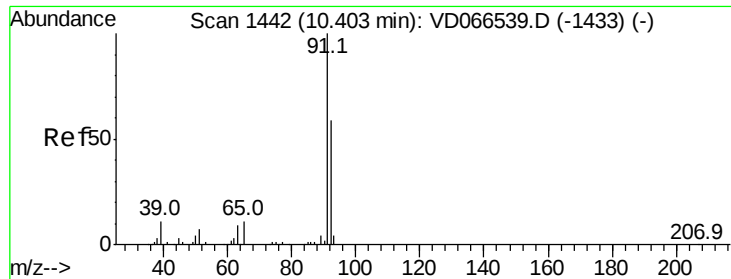
Tot Ion: 98 Resp: 969051
Ion Ratio Lower Upper
98 100
100 54.5 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 44.726 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. 0.11 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

Tgt Ion: 43 Resp: 121145
Ion Ratio Lower Upper
43 100
58 8.6 30.5 45.7#





#52

Toluene

Concen: 158.233 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066558.D

Acq: 04 Sep 2020 13:00

Instrument :

MSVOA_D

ClientSampleId :

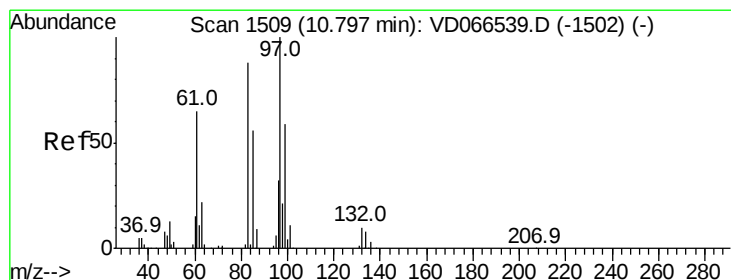
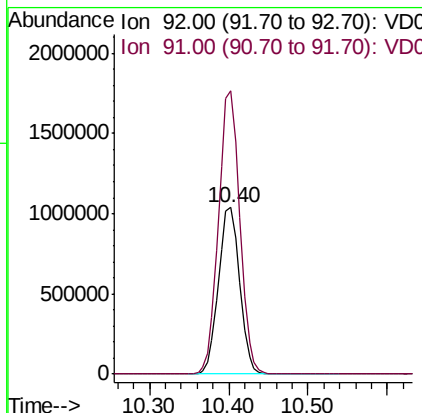
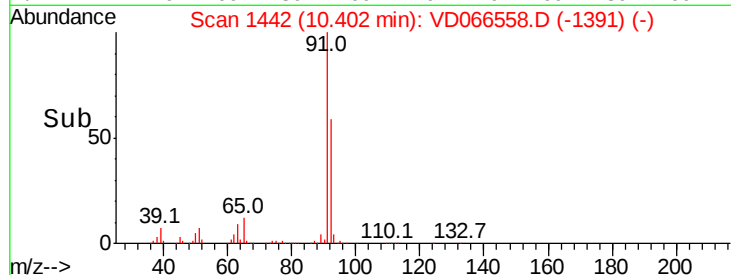
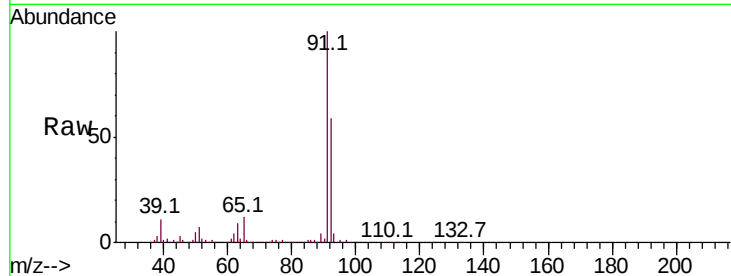
TP-1

Tot Ion: 92 Resp: 1930714

Ion Ratio Lower Upper

92 100

91 169.4 137.4 206.2



#55

1,1,2-Trichloroethane

Concen: 118.466 ug/l

RT: 10.77 min Scan# 1505

Delta R.T. -0.02 min

Lab File: VD066558.D

Acq: 04 Sep 2020 13:00

Tgt Ion: 97 Resp: 407360

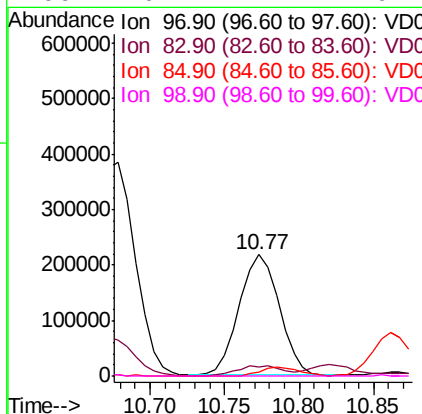
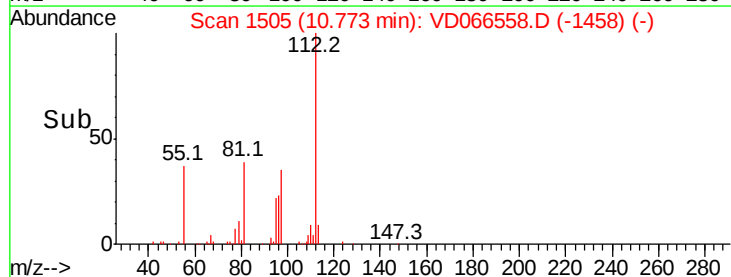
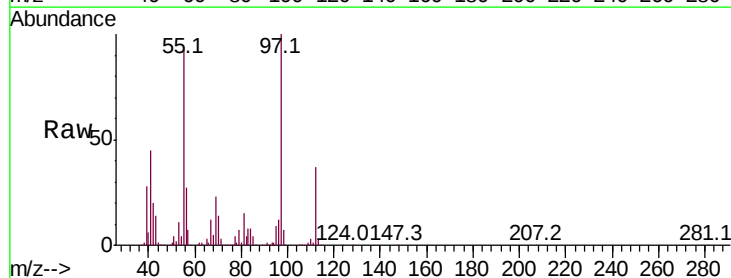
Ion Ratio Lower Upper

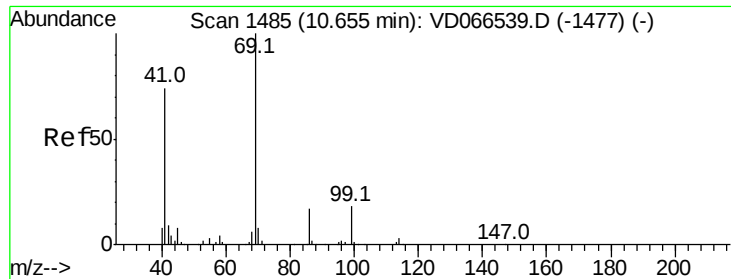
97 100

83 7.6 70.1 105.1#

85 3.6 44.5 66.7#

99 0.4 47.1 70.7#





#56

Ethyl methacrylate

Concen: 50.285 ug/l

RT: 10.67 min Scan# 1488

Delta R.T. 0.02 min

Lab File: VD066558.D

Acq: 04 Sep 2020 13:00

Instrument :

MSVOA_D

ClientSampled :

TP-1

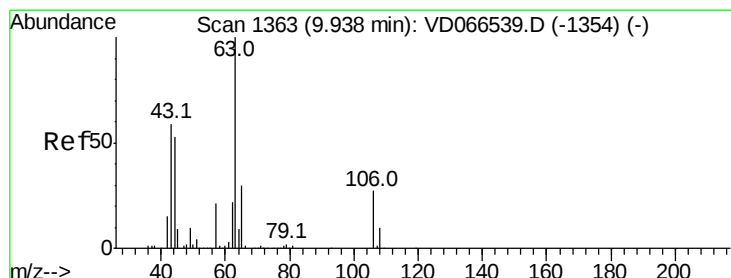
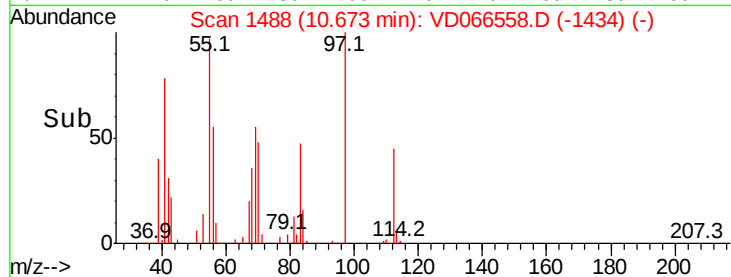
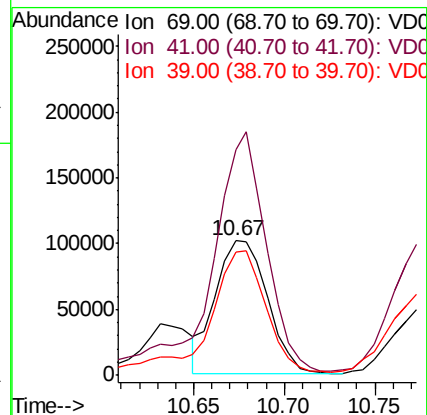
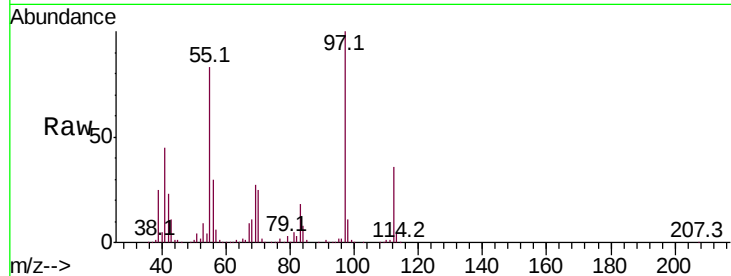
Tot Ion: 69 Resp: 201328

Ion Ratio Lower Upper

69 100

41 185.7 56.8 85.2#

39 97.1 30.6 46.0#



#58

2-Chloroethyl Vinyl ether

Concen: 3.168 ug/l

RT: 9.92 min Scan# 1360

Delta R.T. -0.02 min

Lab File: VD066558.D

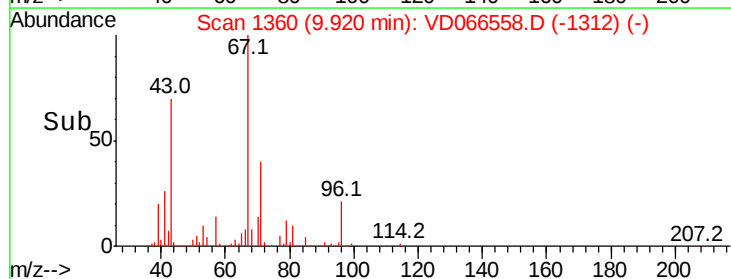
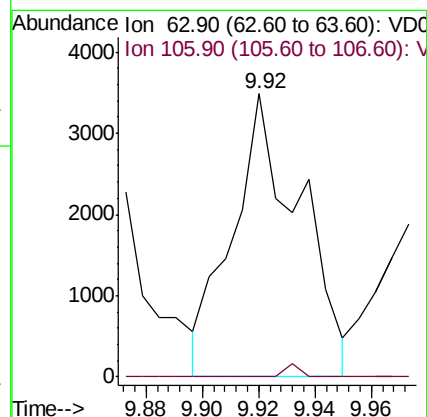
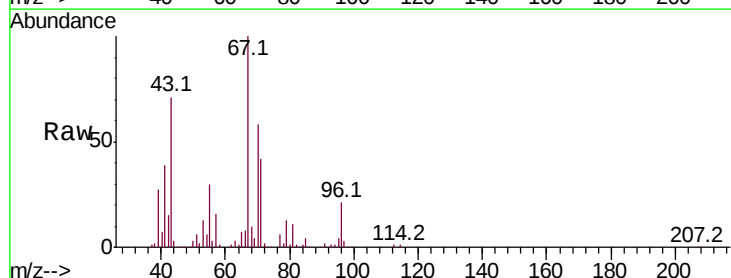
Acq: 04 Sep 2020 13:00

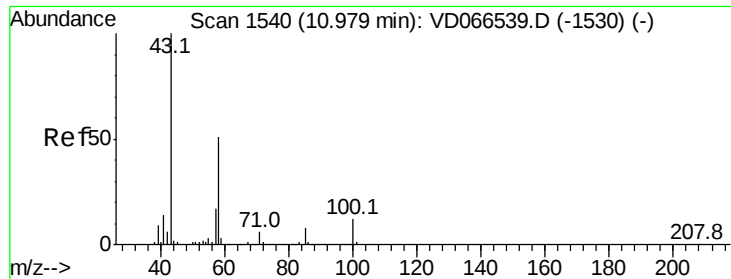
Tgt Ion: 63 Resp: 5801

Ion Ratio Lower Upper

63 100

106 1.0 22.0 33.0#

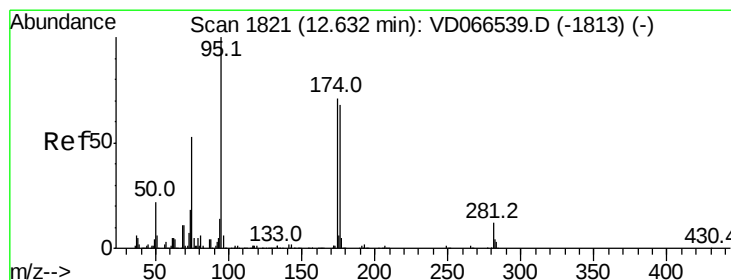
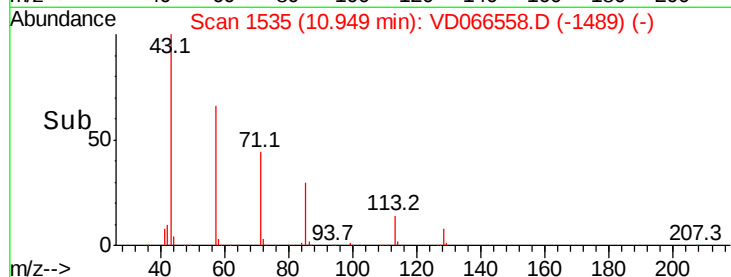
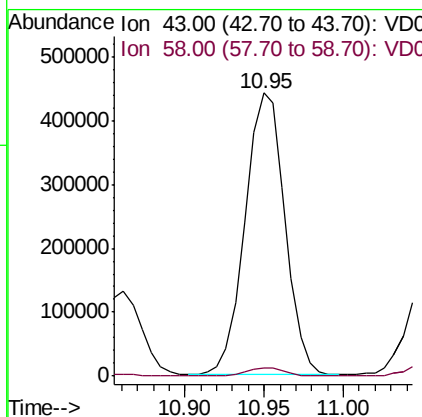
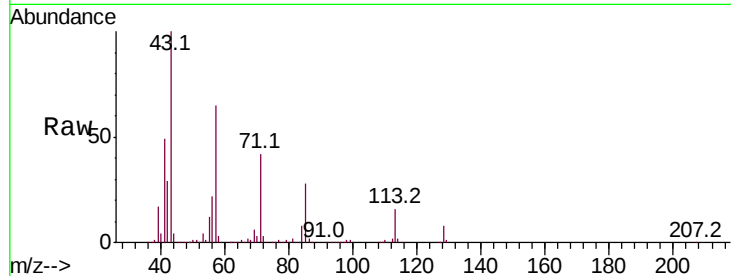




#59
2-Hexanone
Concen: 422.798 ug/l
RT: 10.95 min Scan# 1535
Delta R.T. -0.03 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

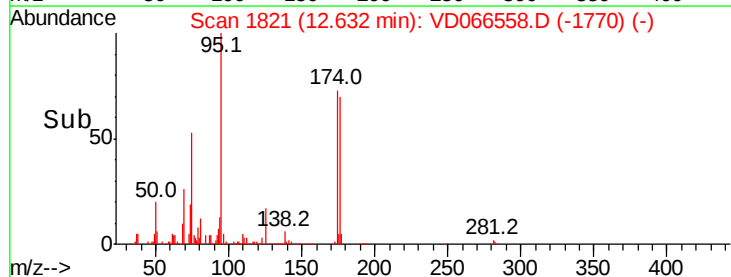
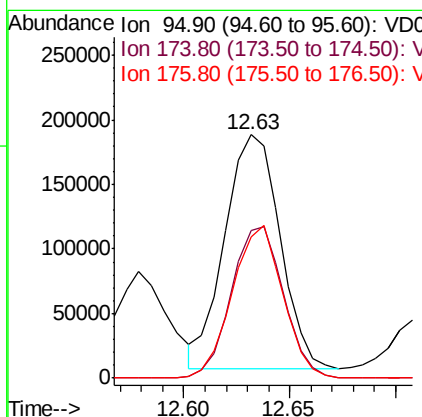
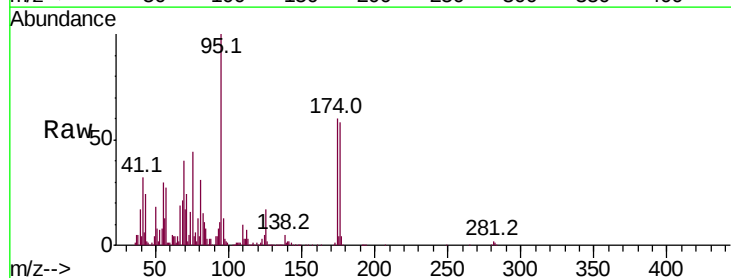
Instrument :
MSVOA_D
ClientSampleId :
TP-1

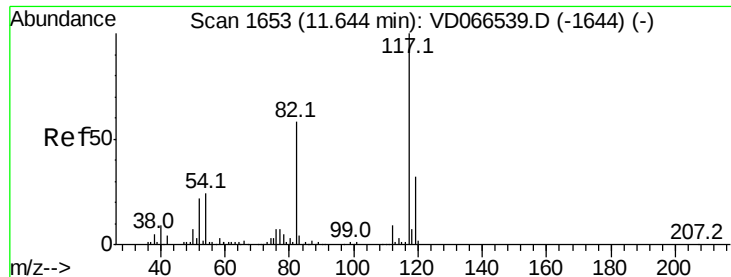
Tot Ion: 43 Resp: 770126
Ion Ratio Lower Upper
43 100
58 3.2 25.6 76.8#



#62
4-Bromofluorobenzene
Concen: 60.870 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

Tgt Ion: 95 Resp: 329124
Ion Ratio Lower Upper
95 100
174 61.0 0.0 155.8
176 59.6 0.0 148.6

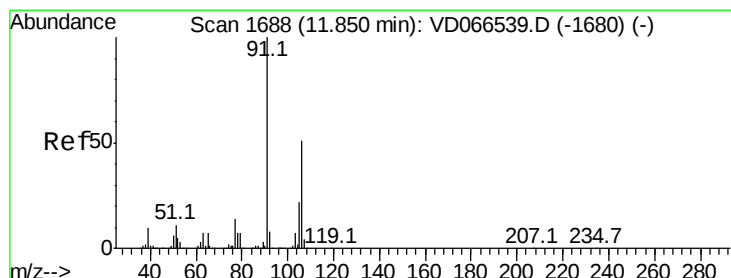
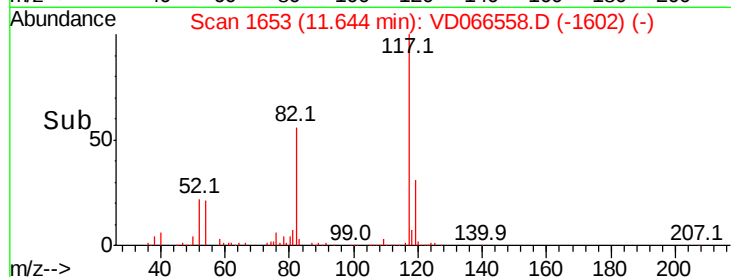
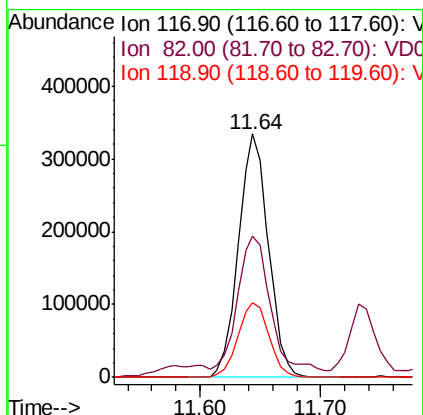
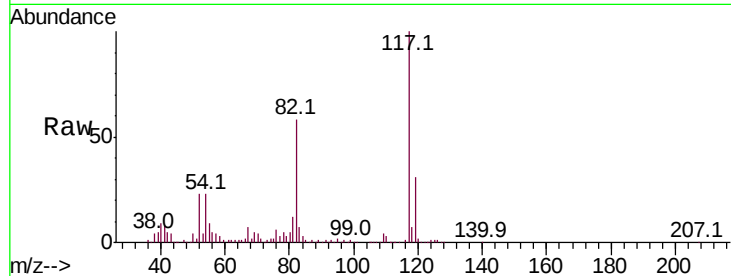




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

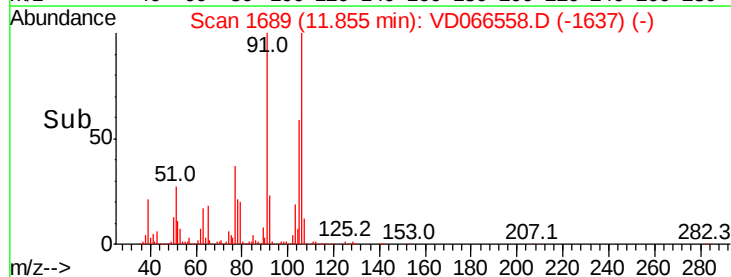
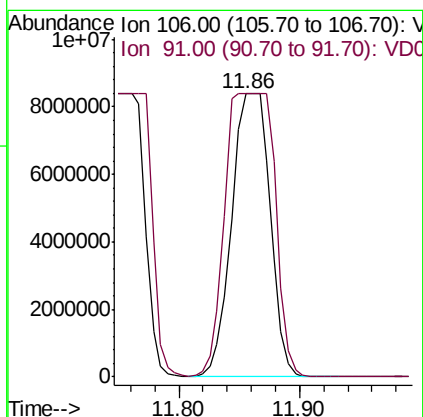
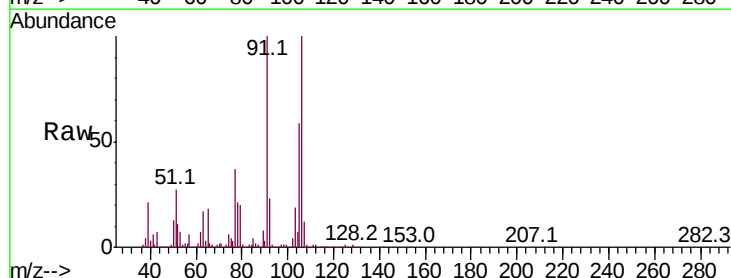
Instrument :
MSVOA_D
ClientSampled :
TP-1

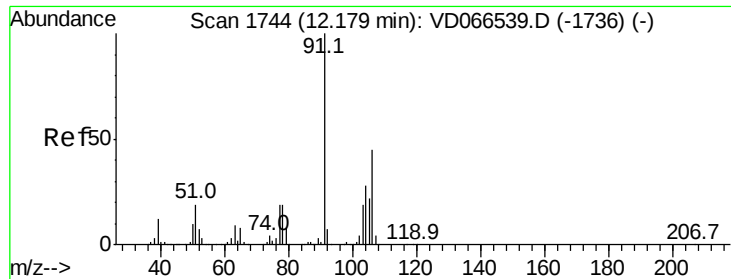
Tot Ion:117 Resp: 577118
Ion Ratio Lower Upper
117 100
82 53.6 46.2 69.2
119 30.8 25.8 38.8



#68
m/p-Xylenes
Concen: 2288.220 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

Tgt Ion:106 Resp:18582480
Ion Ratio Lower Upper
106 100
91 0.0 162.4 243.6#

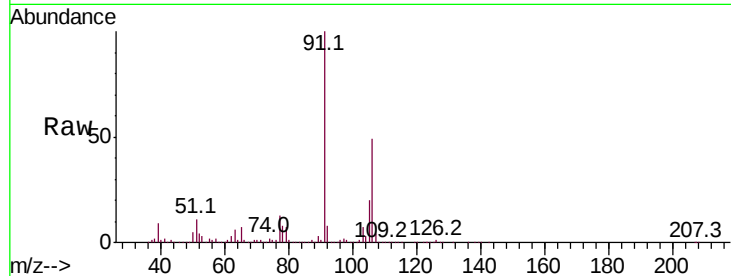




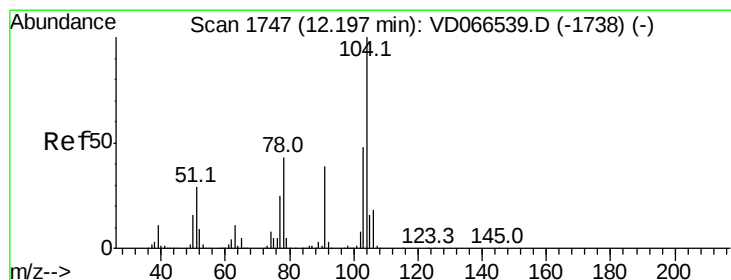
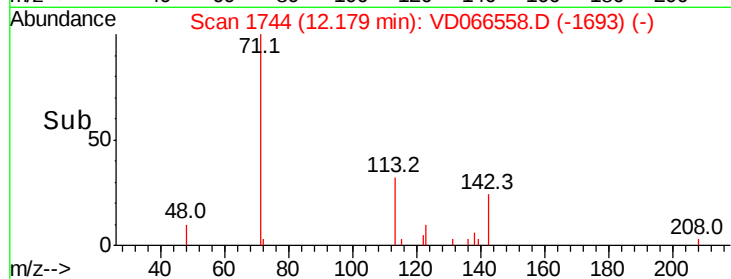
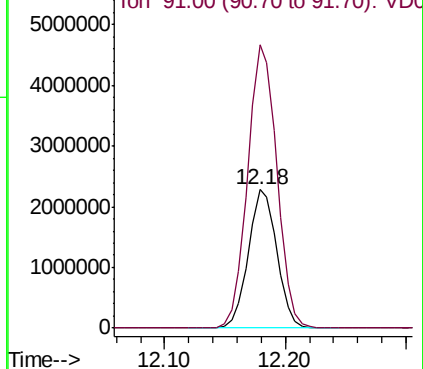
#69
o-Xylene
Concen: 518.055 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

Instrument :
MSVOA_D
ClientSampled :
TP-1

Tot Ion:106 Resp: 3770362
Ion Ratio Lower Upper
106 100
91 209.1 107.9 323.8

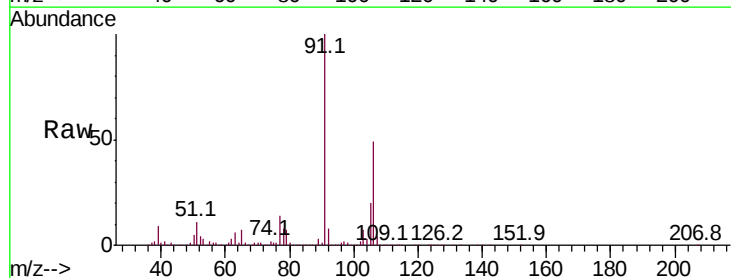


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

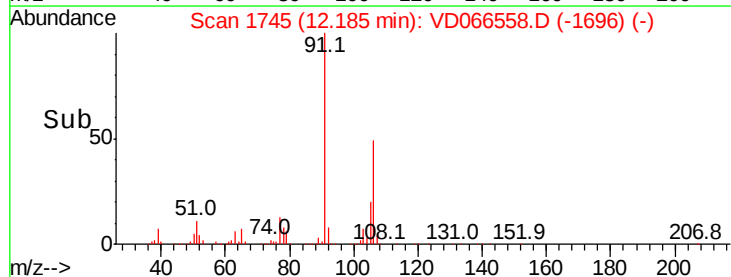
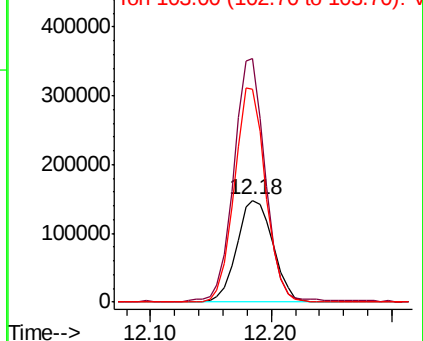


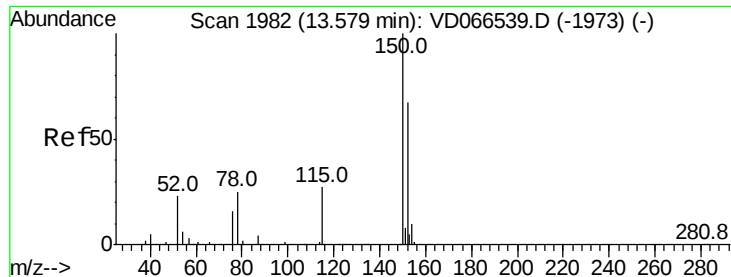
#70
Styrene
Concen: 24.305 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

Tgt Ion:104 Resp: 307528
Ion Ratio Lower Upper
104 100
78 208.7 40.7 61.1#
103 182.7 42.9 64.3#



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



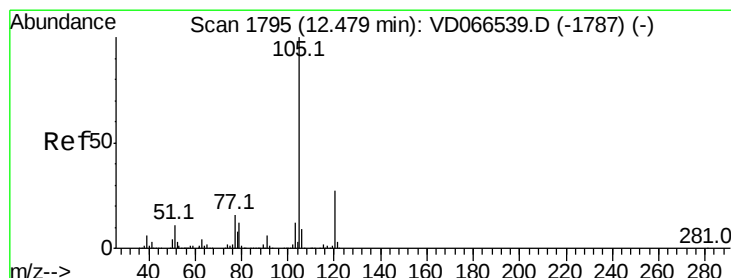
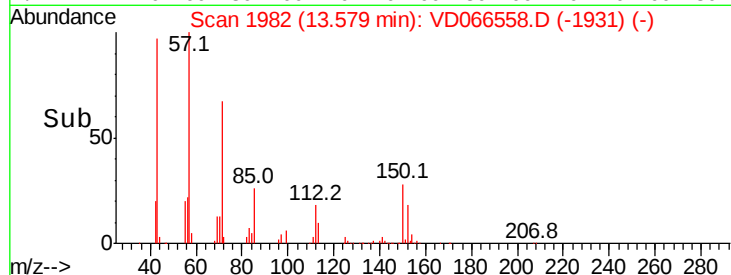
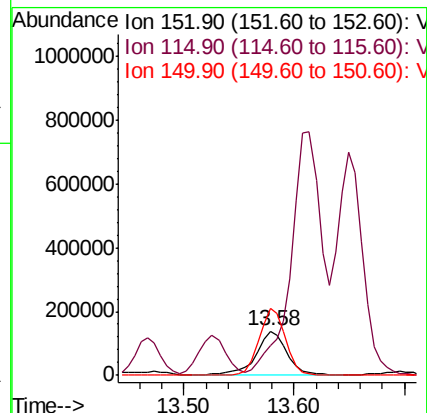
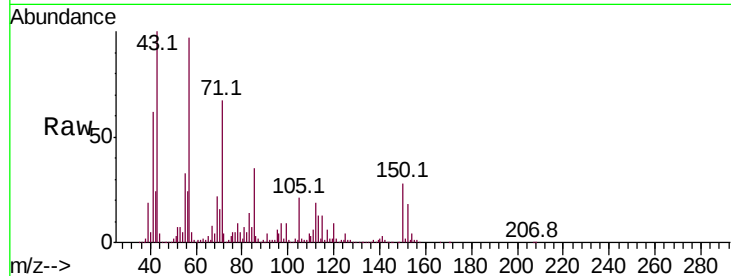


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

Instrument :
MSVOA_D
ClientSampled :
TP-1

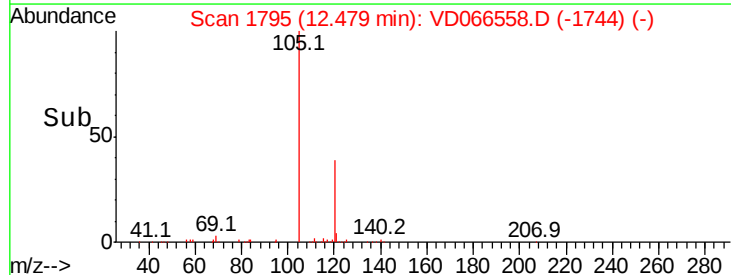
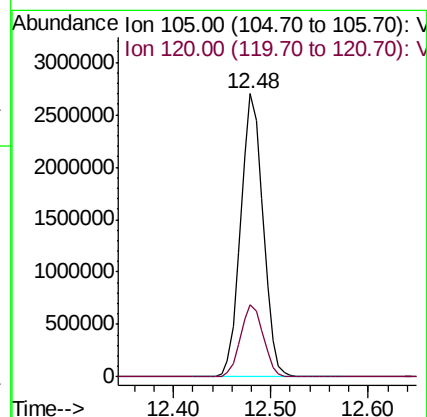
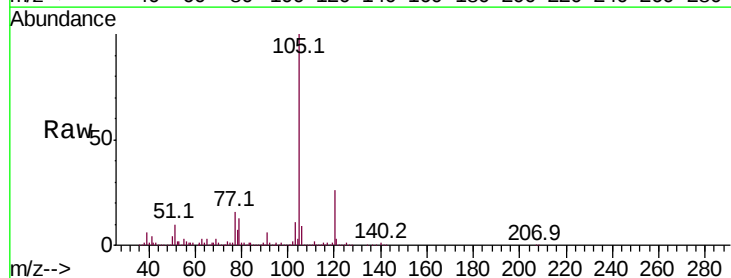
Tot Ion:152 Resp: 262850
Ion Ratio Lower Upper
152 100
115 0.0 30.4 91.2#
150 131.3 0.0 345.8

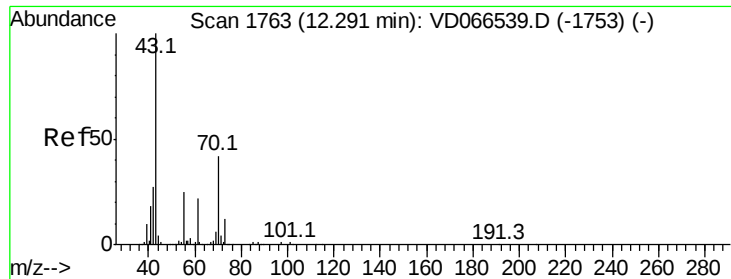


#73

Isopropylbenzene
Concen: 221.164 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

Tgt Ion:105 Resp: 4304091
Ion Ratio Lower Upper
105 100
120 26.1 13.0 39.0





#74

N-amvl acetate

Concen: 97.347 ug/l

RT: 12.27 min Scan# 1760

Delta R.T. -0.02 min

Lab File: VD066558.D

Acq: 04 Sep 2020 13:00

Instrument :

MSVOA_D

ClientSampleId :

TP-1

Tot Ion: 43 Resp: 429076

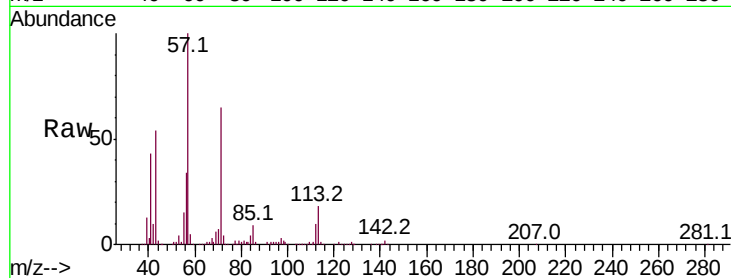
Ion Ratio Lower Upper

43 100

70 10.1 33.4 50.2#

55 0.0 20.1 30.1#

61 0.0 18.2 27.2#



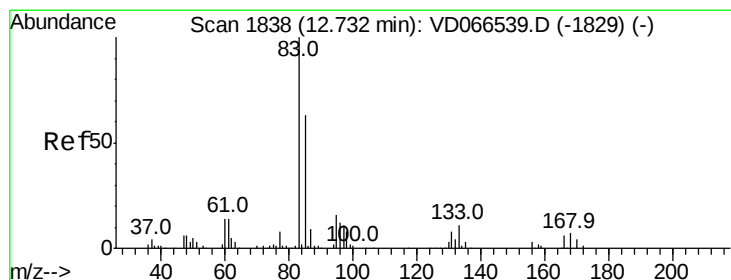
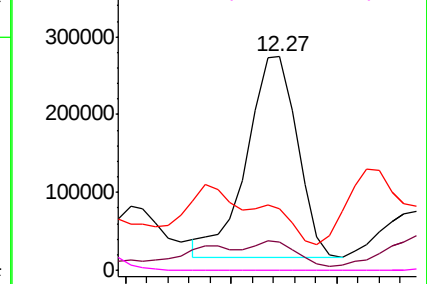
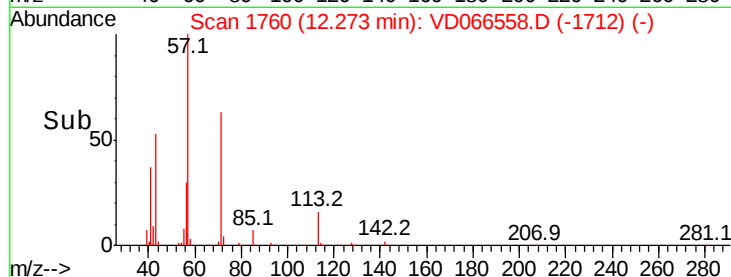
Abundance

Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



#75

1,1,2,2-Tetrachloroethane

Concen: 5.977 ug/l

RT: 12.71 min Scan# 1834

Delta R.T. -0.02 min

Lab File: VD066558.D

Acq: 04 Sep 2020 13:00

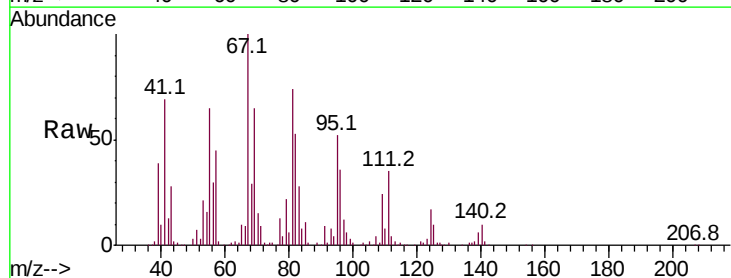
Tgt Ion: 83 Resp: 20551

Ion Ratio Lower Upper

83 100

131 0.3 5.0 15.0#

85 128.4 32.1 96.3#

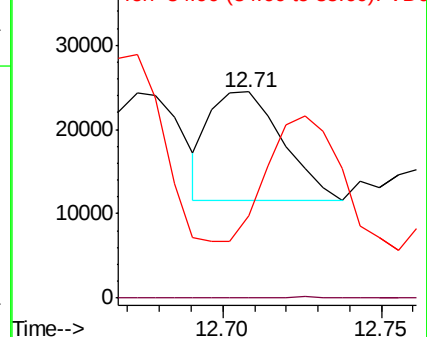
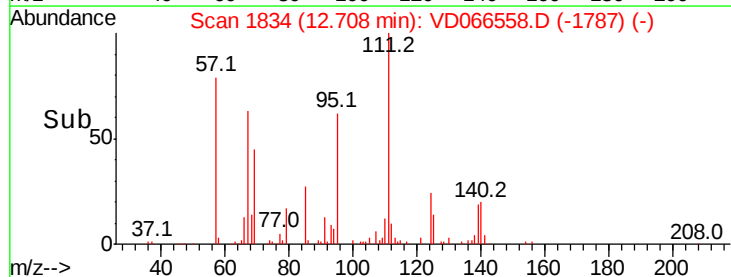


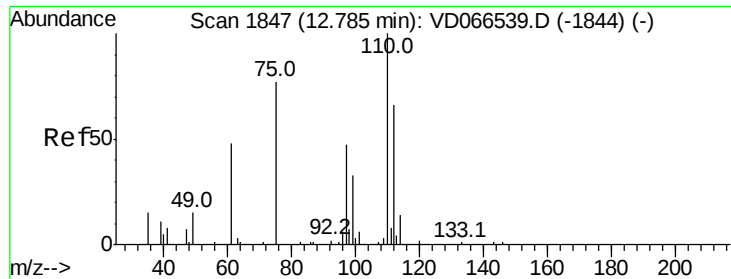
Abundance

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: 20.128 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.04 min

Lab File: VD066558.D

Acq: 04 Sep 2020 13:00

Instrument :

MSVOA_D

ClientSampleId :

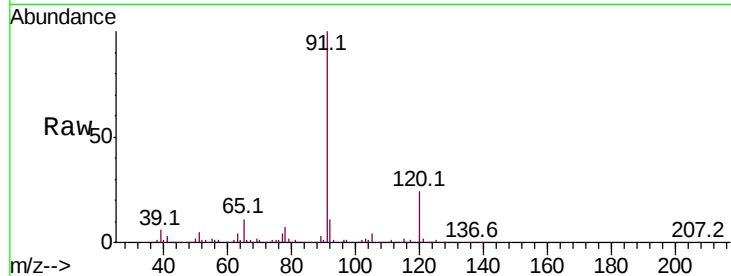
TP-1

Tot Ion: 75 Resp: 50881

Ion Ratio Lower Upper

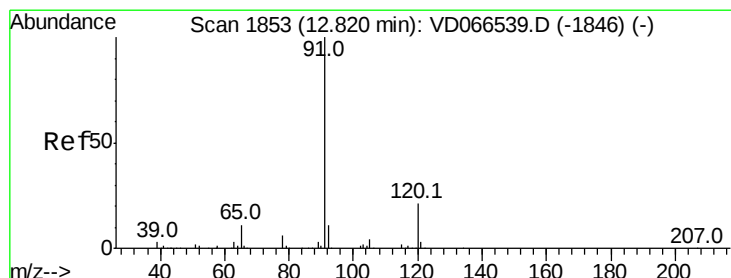
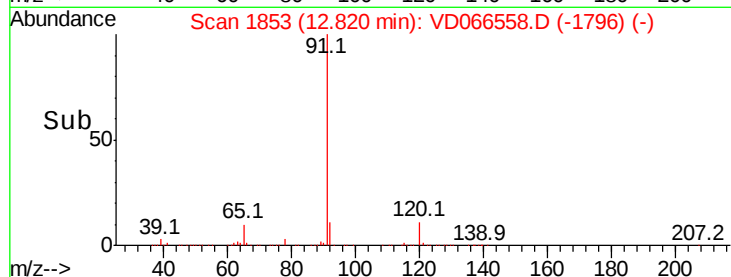
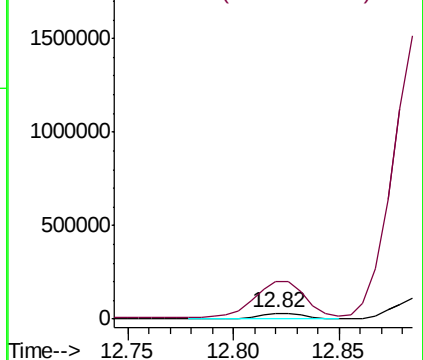
75 100

77 656.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#78

n-propylbenzene

Concen: 339.814 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066558.D

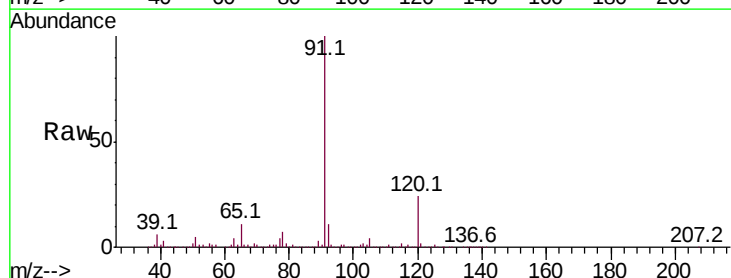
Acq: 04 Sep 2020 13:00

Tgt Ion: 91 Resp: 8016822

Ion Ratio Lower Upper

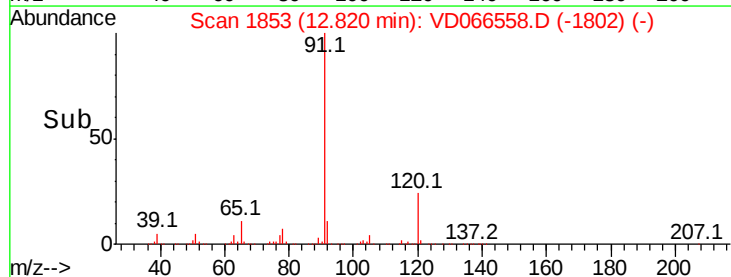
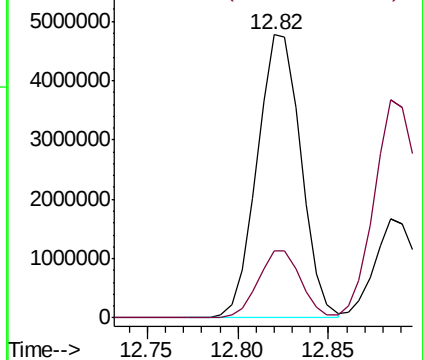
91 100

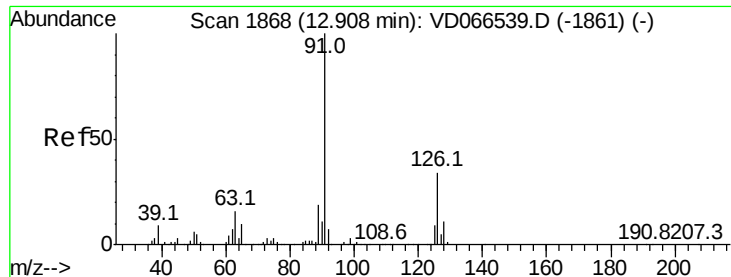
120 23.4 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): VDC

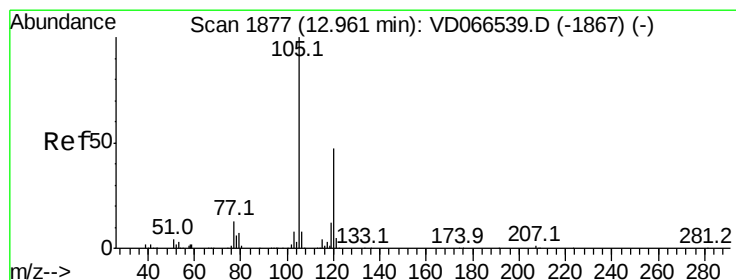
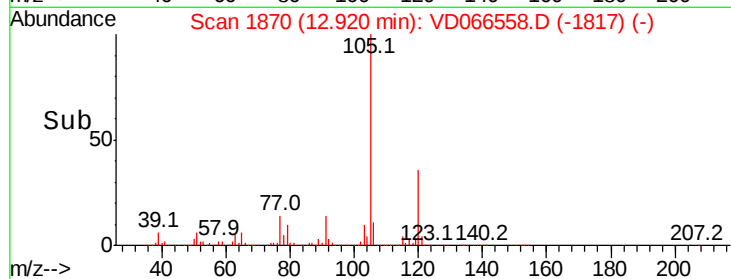
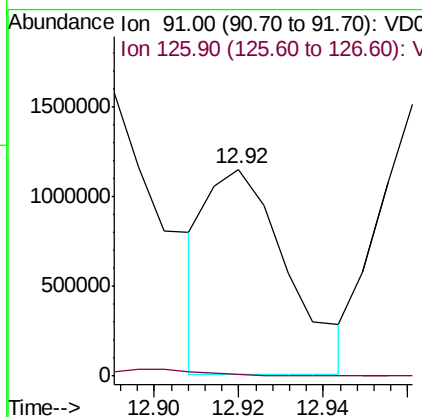
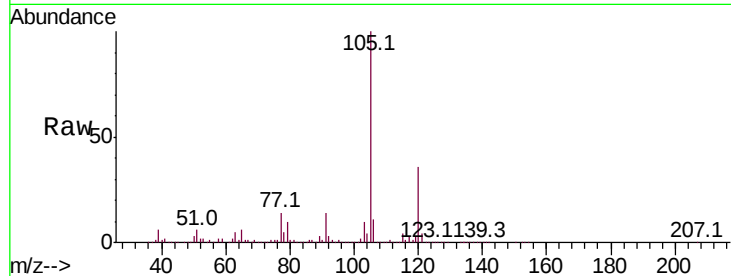




#79
 2-Chlorotoluene
 Concen: 114.265 ug/l
 RT: 12.92 min Scan# 1870
 Delta R.T. 0.01 min
 Lab File: VD066558.D
 Acq: 04 Sep 2020 13:00

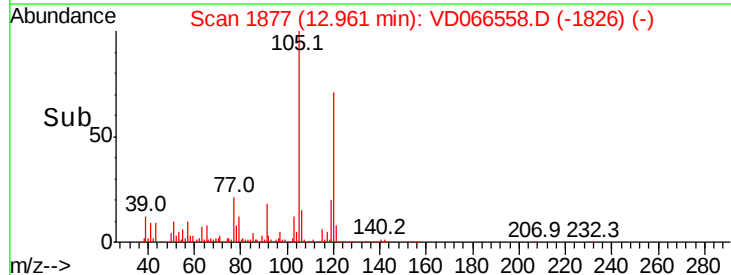
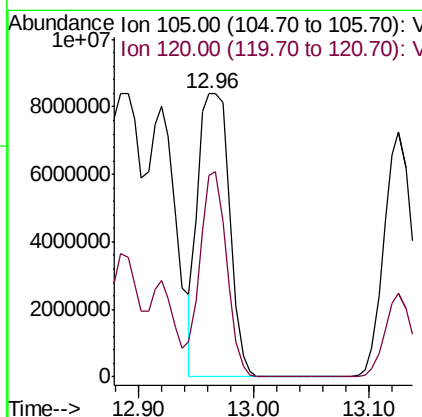
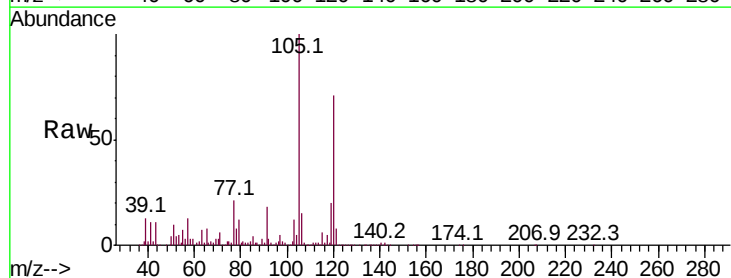
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

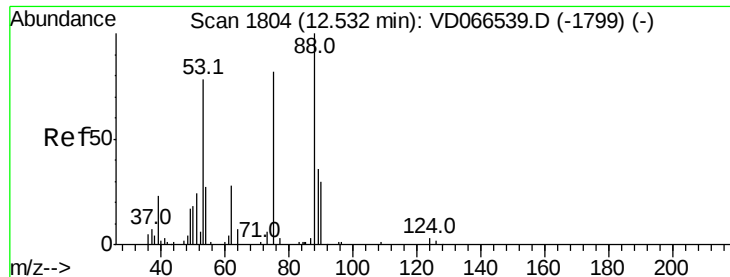
Tot Ion: 91 Resp: 1512298
 Ion Ratio Lower Upper
 91 100
 126 4.7 16.4 49.4#



#80
 1,3,5-Trimethylbenzene
 Concen: 979.248 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VD066558.D
 Acq: 04 Sep 2020 13:00

Tgt Ion: 105 Resp: 16039936
 Ion Ratio Lower Upper
 105 100
 120 62.5 23.9 71.8





#81

trans-1,4-Dichloro-2-butene

Concen: 50.469 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.05 min

Lab File: VD066558.D

Acq: 04 Sep 2020 13:00

Instrument :

MSVOA_D

ClientSampleId :

TP-1

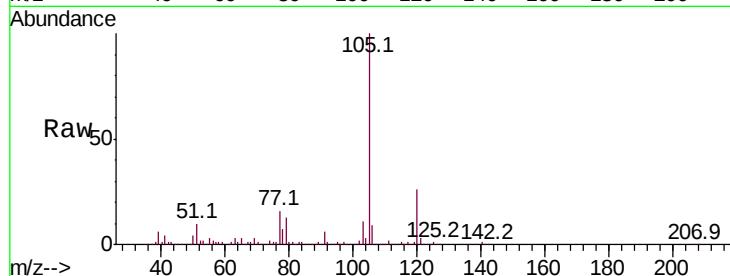
Tot Ion: 75 Resp: 54647

Ion Ratio Lower Upper

75 100

53 79.9 87.0 130.4#

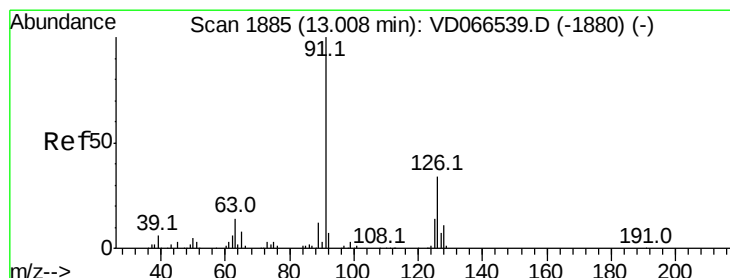
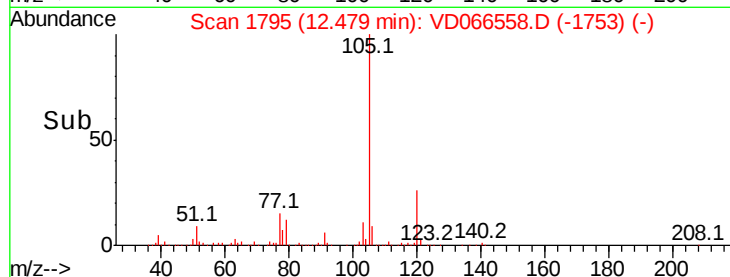
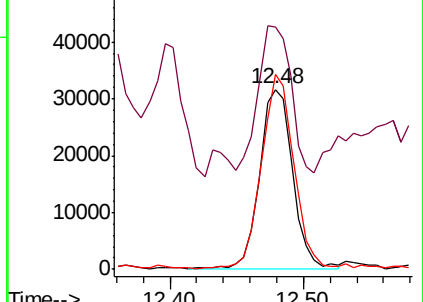
89 106.5 37.1 55.7#



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: 166.888 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.04 min

Lab File: VD066558.D

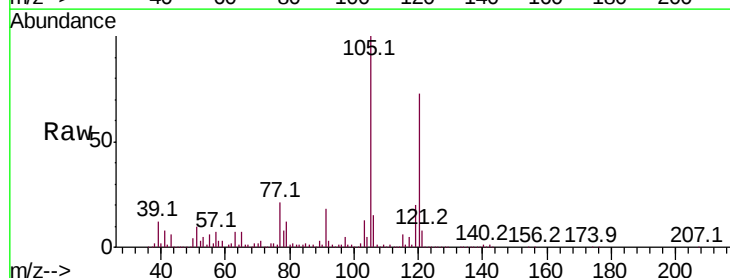
Acq: 04 Sep 2020 13:00

Tgt Ion: 91 Resp: 2361967

Ion Ratio Lower Upper

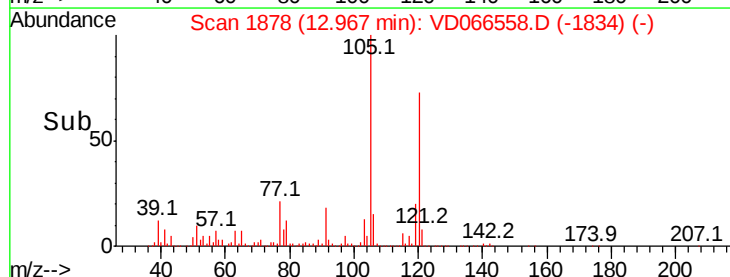
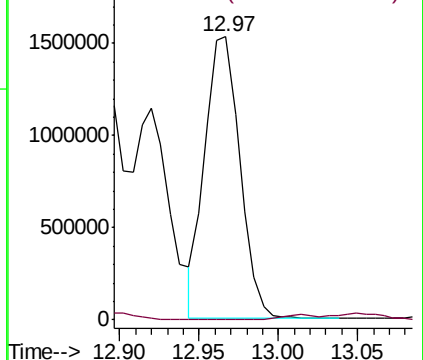
91 100

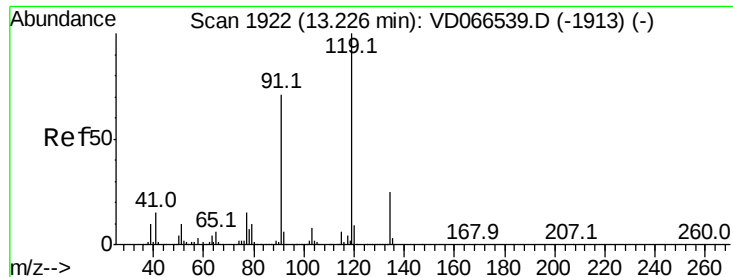
126 0.0 16.4 49.1#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 587.747 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. 0.05 min

Lab File: VD066558.D

Acq: 04 Sep 2020 13:00

Instrument :

MSVOA_D

ClientSampleId :

TP-1

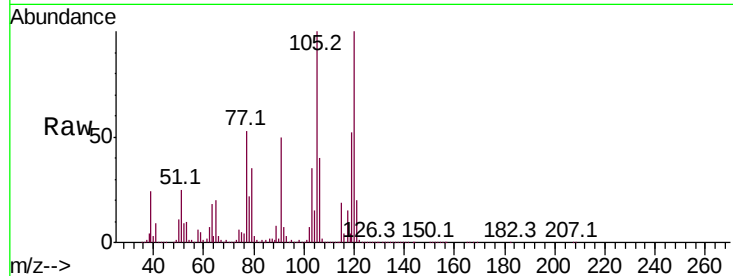
Tot Ion:119 Resp: 7861676

Ion Ratio Lower Upper

119 100

91 95.5 35.2 105.6

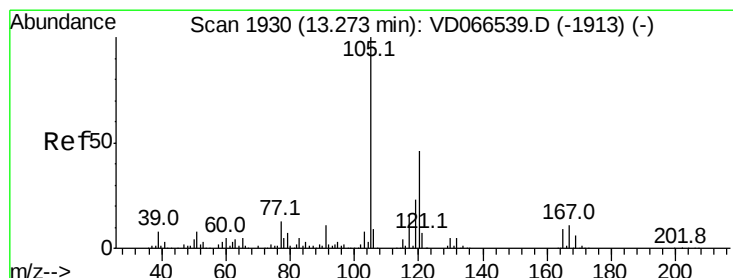
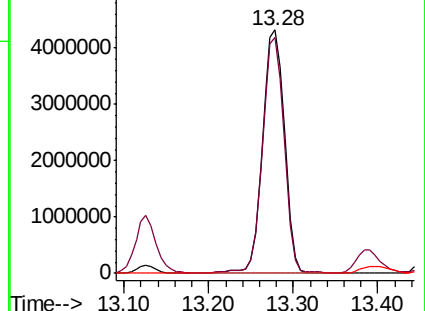
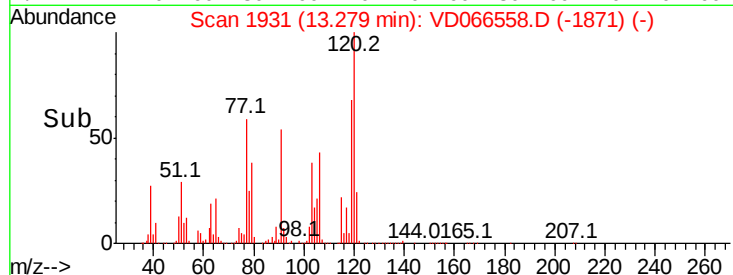
134 0.0 13.5 40.5#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 758.585 ug/l

RT: 13.13 min Scan# 1905

Delta R.T. -0.15 min

Lab File: VD066558.D

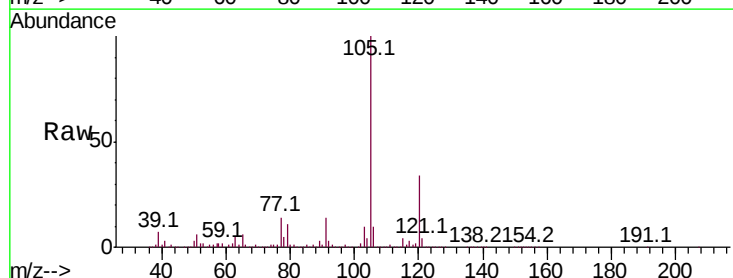
Acq: 04 Sep 2020 13:00

Tgt Ion:105 Resp:12371018

Ion Ratio Lower Upper

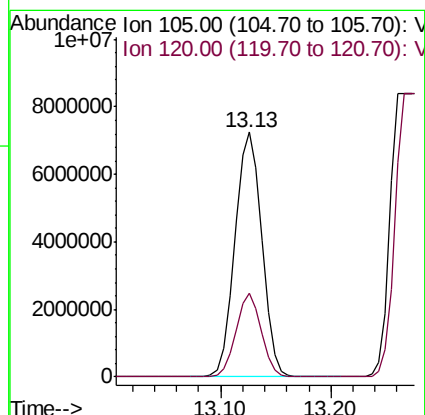
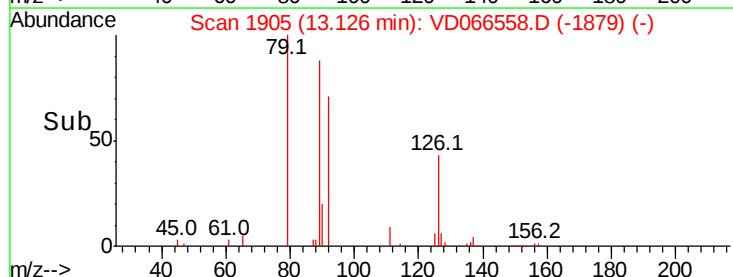
105 100

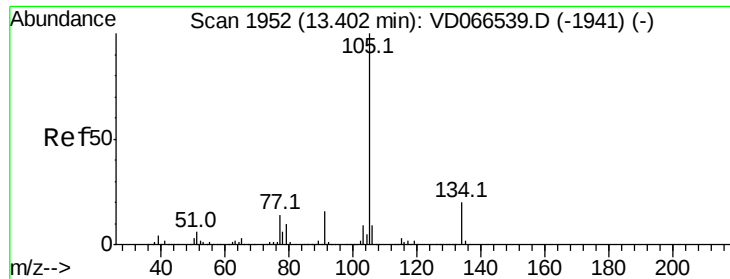
120 32.1 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 40.592 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.01 min

Lab File: VD066558.D

Acq: 04 Sep 2020 13:00

Instrument :

MSVOA_D

ClientSampled :

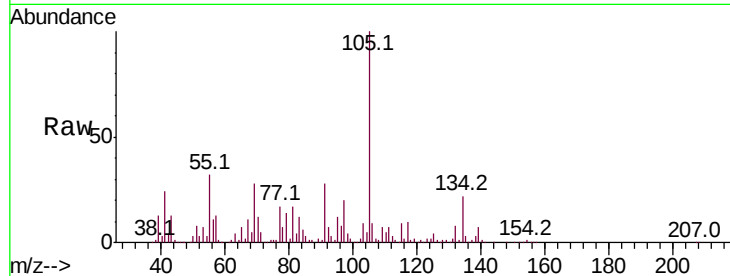
TP-1

Tot Ion:105 Resp: 782246

Ion Ratio Lower Upper

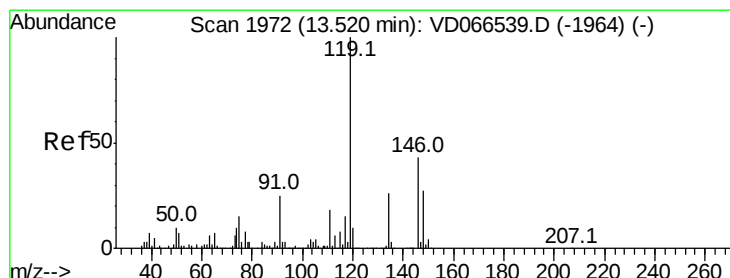
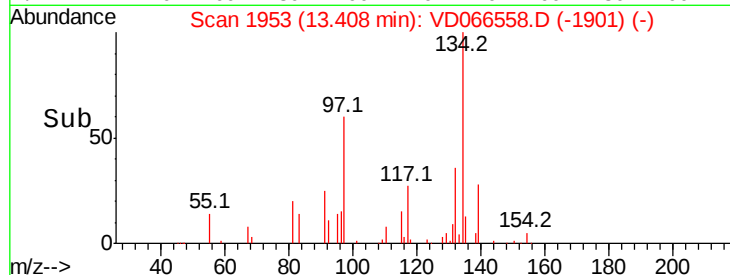
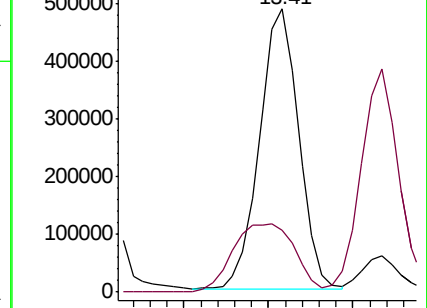
105 100

134 38.5 9.8 29.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 91.009 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066558.D

Acq: 04 Sep 2020 13:00

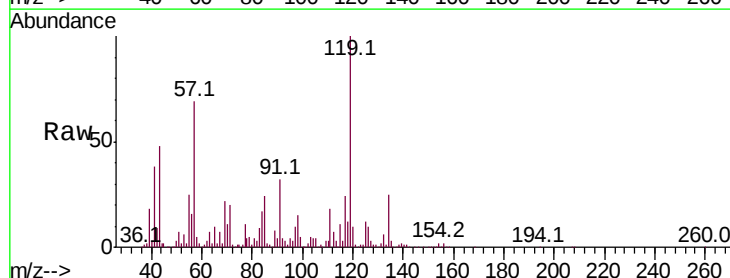
Tgt Ion:119 Resp: 1578584

Ion Ratio Lower Upper

119 100

134 25.0 12.7 38.0

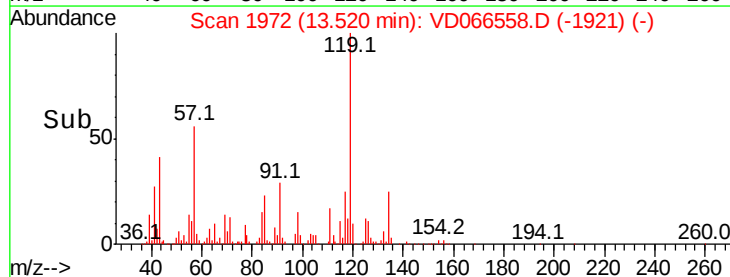
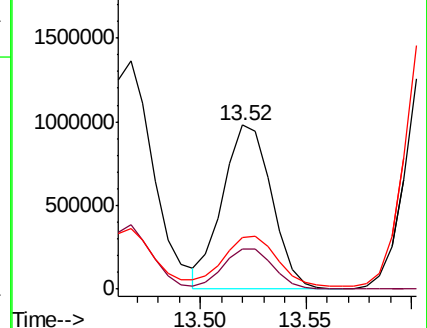
91 32.8 12.5 37.5

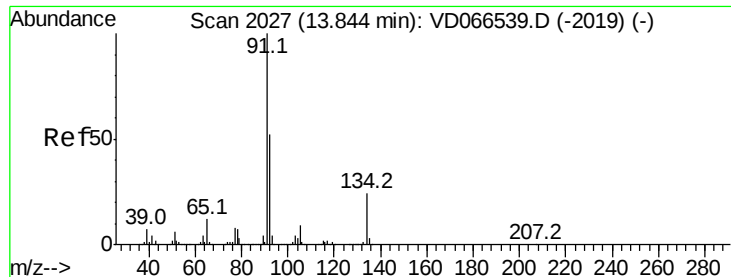


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

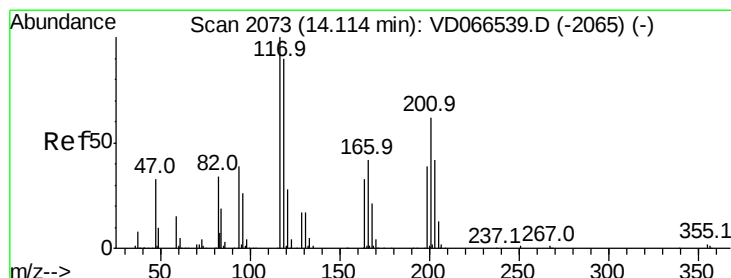
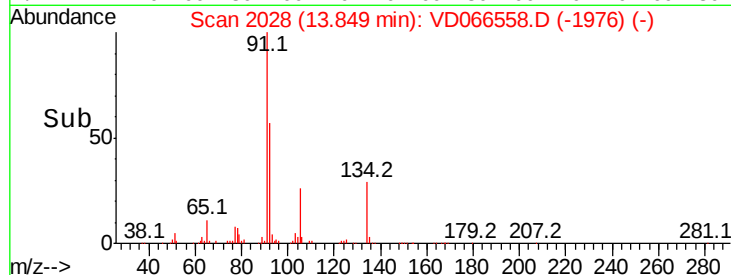
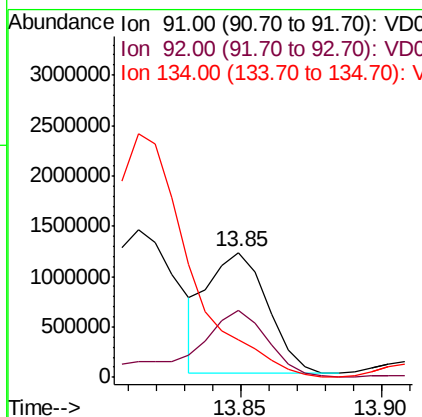
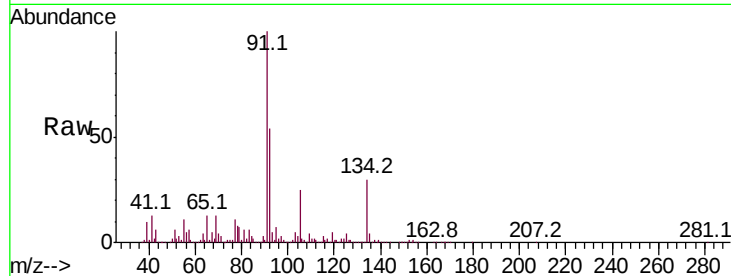




#89
n-Butylbenzene
Concen: 103.773 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

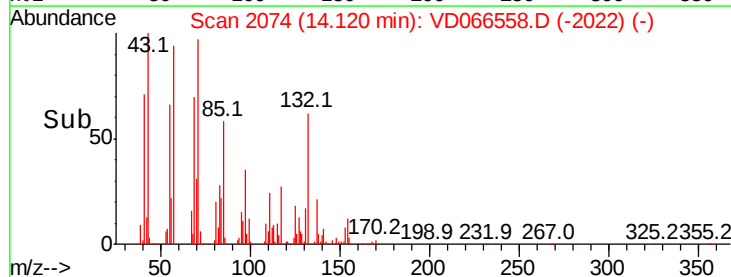
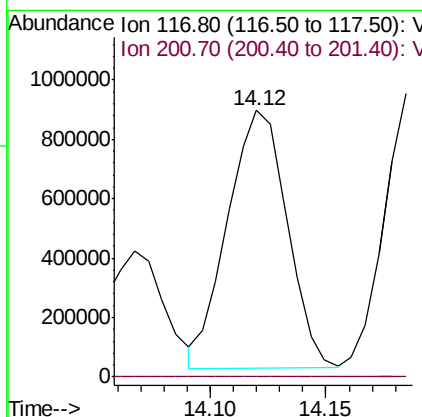
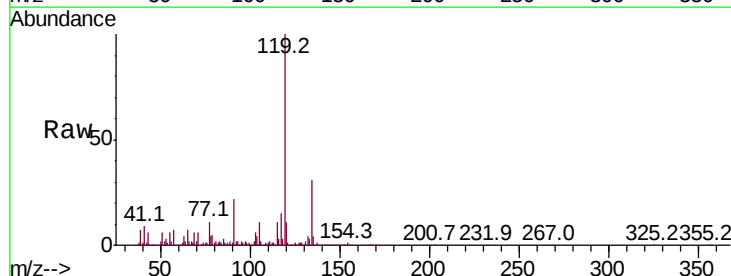
Instrument :
MSVOA_D
ClientSampleId :
TP-1

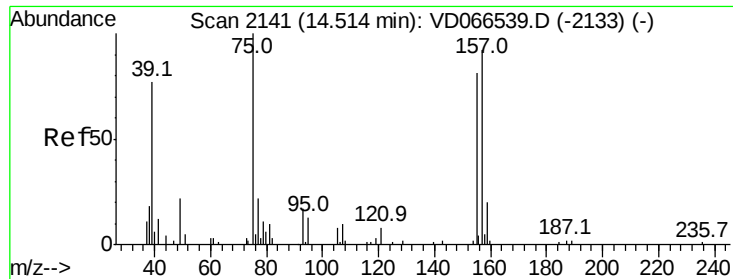
Tot Ion: 91 Resp: 1754047
Ion Ratio Lower Upper
91 100
92 67.8 26.5 79.5
134 0.0 12.1 36.3#



#90
Hexachloroethane
Concen: 415.691 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

Tgt Ion: 117 Resp: 1553588
Ion Ratio Lower Upper
117 100
201 0.1 31.9 95.5#

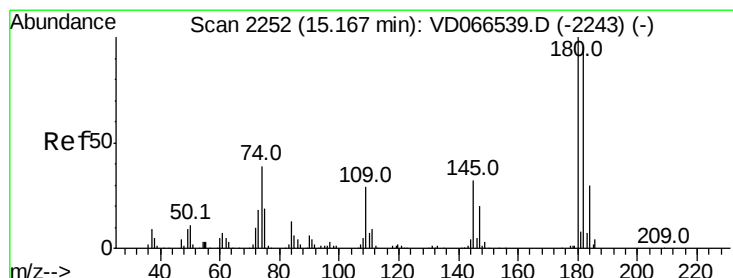
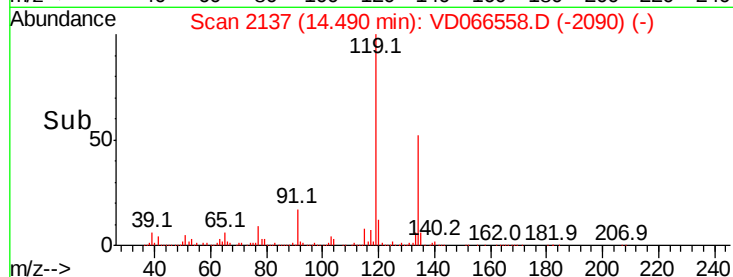
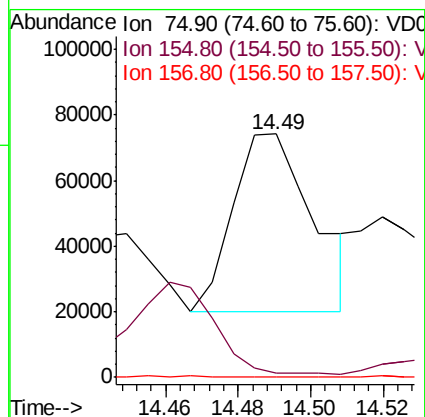
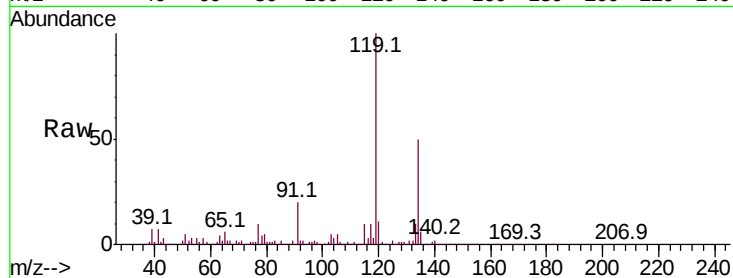




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 143.061 ug/l
 RT: 14.49 min Scan# 2137
 Delta R.T. -0.02 min
 Lab File: VD066558.D
 Acq: 04 Sep 2020 13:00

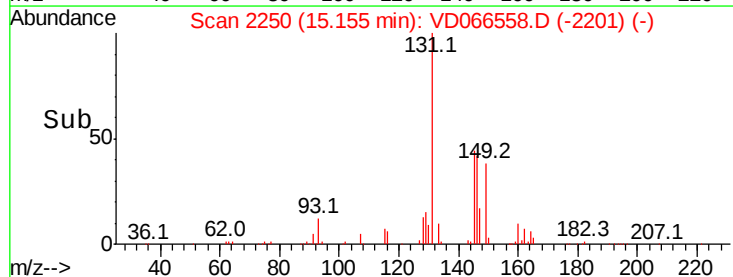
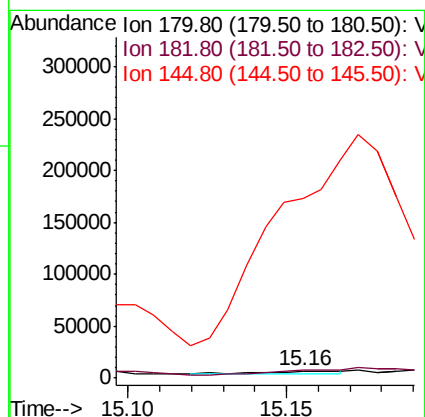
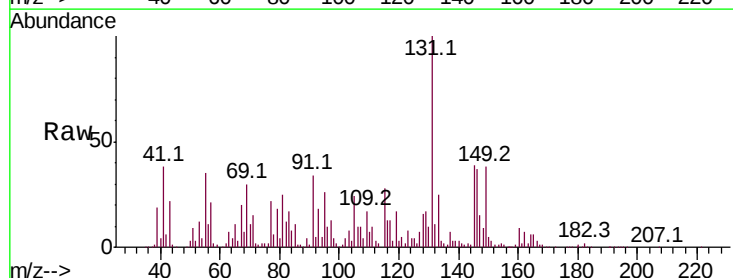
Instrument :
 MSVOA_D
 ClientSampled :
 TP-1

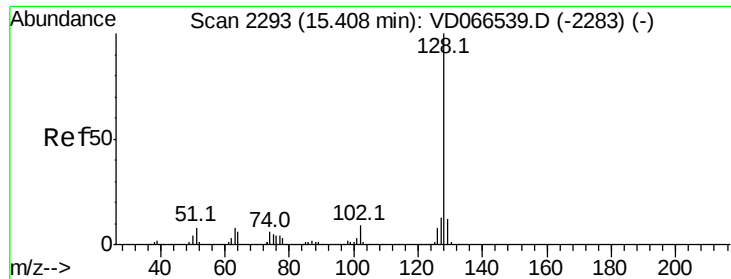
Tot Ion: 75 Resp: 83554
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.3 117.8#
 157 0.0 46.0 137.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.131 ug/l
 RT: 15.16 min Scan# 2250
 Delta R.T. -0.01 min
 Lab File: VD066558.D
 Acq: 04 Sep 2020 13:00

Tgt Ion:180 Resp: 5109
 Ion Ratio Lower Upper
 180 100
 182 340.5 48.4 145.0#
 145 12231.4 16.7 50.0#

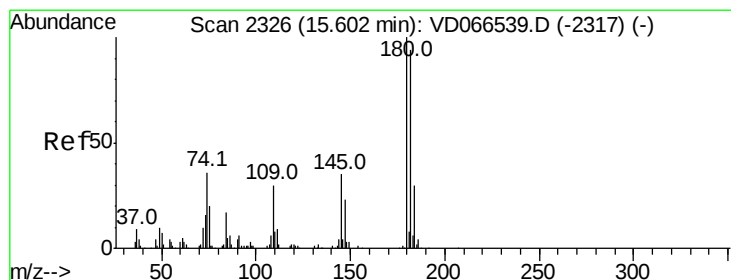
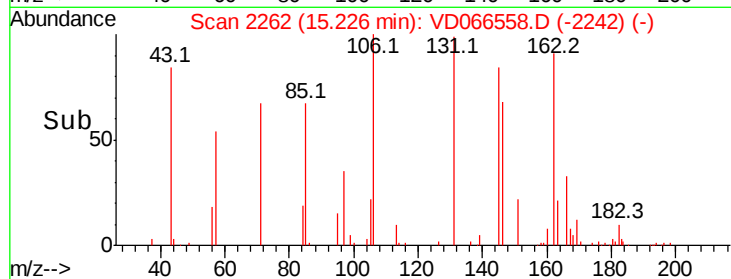
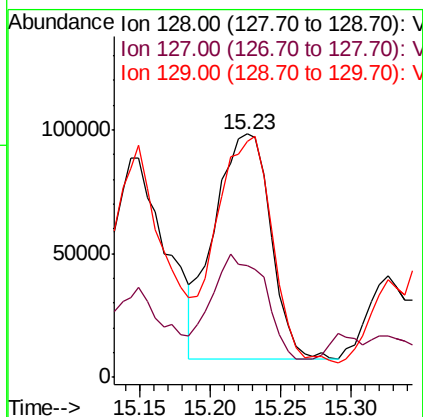
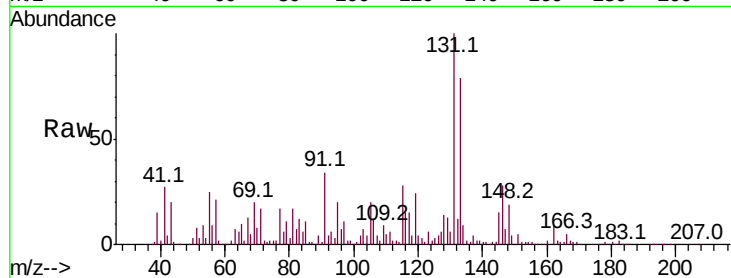




#95
Naphthalene
Concen: 32.037 ug/l
RT: 15.23 min Scan# 2262
Delta R.T. -0.18 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

Instrument :
MSVOA_D
ClientSampleId :
TP-1

Tot Ion:128 Resp: 252951
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 9.1 13.7#



#96
1,2,3-Trichlorobenzene
Concen: 3.388 ug/l
RT: 15.57 min Scan# 2320
Delta R.T. -0.04 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

Tgt Ion:180 Resp: 13050
Ion Ratio Lower Upper
180 100
182 26.4 47.9 143.6#
145 2401.4 17.3 51.7#

