

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091820\
 Data File : VD066759.D
 Acq On : 18 Sep 2020 12:01
 Operator : VA/SY
 Sample : VD0918SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

Quant Time: Sep 19 03:13:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	410869	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	669992	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	609747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	286550	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	222741	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
35) Dibromofluoromethane	7.91	113	213318	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
50) Toluene-d8	10.34	98	770544	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
62) 4-Bromofluorobenzene	12.63	95	277067	54.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	72149	20.976	ug/l	97
3) Chloromethane	2.21	50	85654	19.157	ug/l	98
4) Vinyl Chloride	2.35	62	88946	19.008	ug/l	99
5) Bromomethane	2.76	94	58741	17.696	ug/l	96
6) Chloroethane	2.92	64	52542	18.024	ug/l	89
7) Trichlorofluoromethane	3.27	101	159336	19.714	ug/l	99
8) Diethyl Ether	3.70	74	38957	19.249	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	91314	20.558	ug/l	99
10) Methyl Iodide	4.30	142	70676	16.770	ug/l	98
11) Tert butyl alcohol	5.21	59	38377	91.263	ug/l #	90
12) 1,1-Dichloroethene	4.07	96	80380	19.552	ug/l	93
13) Acrolein	3.92	56	27212	88.015	ug/l	91
14) Allyl chloride	4.71	41	121667	18.428	ug/l	97
15) Acrylonitrile	5.42	53	81243	91.635	ug/l	98
16) Acetone	4.16	43	83540	93.582	ug/l	93
17) Carbon Disulfide	4.41	76	260492	20.164	ug/l	95
18) Methyl Acetate	4.71	43	37852	17.524	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	166302	18.161	ug/l	98
20) Methylene Chloride	4.96	84	110173	18.290	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	94622	19.755	ug/l	97
22) Diisopropyl ether	6.36	45	258198	19.246	ug/l	98
23) Vinyl Acetate	6.31	43	697815	93.511	ug/l	95
24) 1,1-Dichloroethane	6.27	63	160378	18.839	ug/l	99
25) 2-Butanone	7.21	43	102393	88.086	ug/l	92
26) 2,2-Dichloropropane	7.21	77	152010	19.310	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	98973	18.888	ug/l	97
28) Bromochloromethane	7.54	49	69823	21.958	ug/l	95
29) Tetrahydrofuran	7.56	42	64812	91.129	ug/l	97
30) Chloroform	7.71	83	172301	19.017	ug/l	100
31) Cyclohexane	7.98	56	149593	19.319	ug/l #	94
32) 1,1,1-Trichloroethane	7.90	97	158242	19.086	ug/l	98
36) 1,1-Dichloropropene	8.11	75	132809	19.280	ug/l	99
37) Ethyl Acetate	7.30	43	48956	18.773	ug/l	96
38) Carbon Tetrachloride	8.10	117	141161	19.297	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	153073	19.427	ug/l	94
40) Benzene	8.35	78	367181	19.703	ug/l	98
41) Methacrylonitrile	7.53	41	28551	20.680	ug/l #	84
42) 1,2-Dichloroethane	8.42	62	110081	19.066	ug/l	98
43) Isopropyl Acetate	8.45	43	88807	18.093	ug/l	96
44) Trichloroethene	9.11	130	96986	19.464	ug/l	90
45) 1,2-Dichloropropane	9.38	63	91296	19.816	ug/l	98
46) Dibromomethane	9.47	93	50068	19.777	ug/l	98
47) Bromodichloromethane	9.66	83	134349	19.475	ug/l	99
48) Methyl methacrylate	9.46	41	47241	18.921	ug/l	94
49) 1,4-Dioxane	9.45	88	10047	370.477	ug/l	88
51) 4-Methyl-2-Pentanone	10.23	43	229993	91.013	ug/l	99
52) Toluene	10.40	92	240804	20.170	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	117610	19.084	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	142364	19.449	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	65855	19.729	ug/l	93
56) Ethyl methacrylate	10.66	69	69096	18.241	ug/l	97
57) 1,3-Dichloropropane	10.94	76	111540	19.041	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	196395	118.053	ug/l	98
59) 2-Hexanone	10.98	43	157959	93.029	ug/l	98
60) Dibromochloromethane	11.14	129	84661	19.465	ug/l	97
61) 1,2-Dibromoethane	11.25	107	62274	19.449	ug/l	99
64) Tetrachloroethene	10.87	164	78195	18.786	ug/l	95
65) Chlorobenzene	11.67	112	244068	19.333	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	91724	19.692	ug/l	98
67) Ethyl Benzene	11.74	91	436817	19.103	ug/l	99
68) m/p-Xylenes	11.85	106	343055	39.694	ug/l	97
69) o-Xylene	12.18	106	150604	19.720	ug/l	95
70) Styrene	12.19	104	261639	19.464	ug/l	99
71) Bromoform	12.36	173	44544	19.055	ug/l #	98
73) Isopropylbenzene	12.48	105	417780	19.530	ug/l	99
74) N-amyl acetate	12.29	43	79895	17.705	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	71078	19.554	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	91282	37.216	ug/l #	100
77) Bromobenzene	12.76	156	93273	18.918	ug/l	98
78) n-propylbenzene	12.82	91	511512	19.616	ug/l	99
79) 2-Chlorotoluene	12.91	91	276310	18.739	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	355929	19.679	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	21863	19.237	ug/l	96
82) 4-Chlorotoluene	13.01	91	301478	19.337	ug/l	100
83) tert-Butylbenzene	13.23	119	283116	18.991	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	354968	19.638	ug/l	98
85) sec-Butylbenzene	13.40	105	419977	19.651	ug/l	99
86) p-Isopropyltoluene	13.52	119	384415	19.785	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	185644	19.626	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	189525	20.121	ug/l	98
89) n-Butylbenzene	13.85	91	357086	19.328	ug/l	98
90) Hexachloroethane	14.11	117	78784	19.738	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	159428	19.670	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11504	19.578	ug/l	97

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Quant Title : SW846 8260
QLast Update : Tue Sep 15 16:35:37 2020
Response via : Initial Calibration

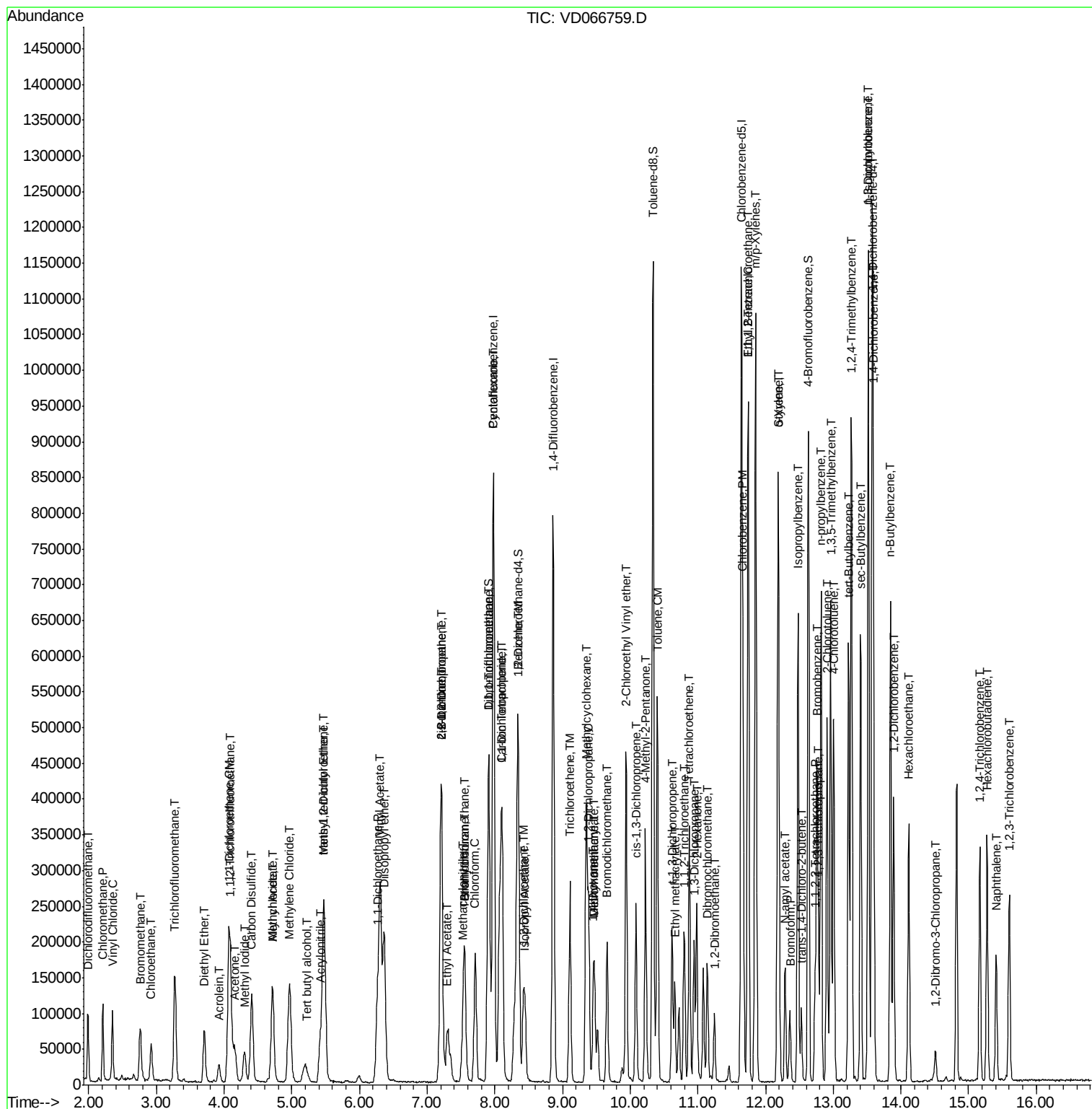
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	96029	19.589	ug/l	97
94) Hexachlorobutadiene	15.27	225	57623	19.510	ug/l	99
95) Naphthalene	15.41	128	155008	18.098	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	81903	19.128	ug/l	99

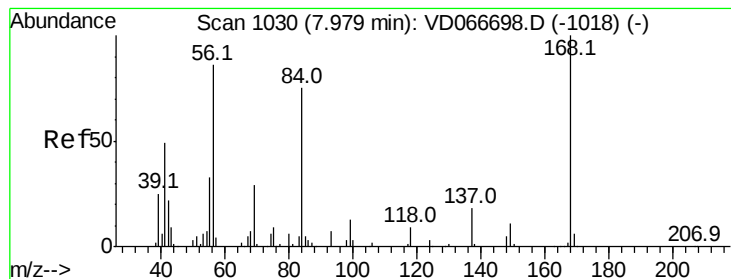
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VQASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 15 16:35:37 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

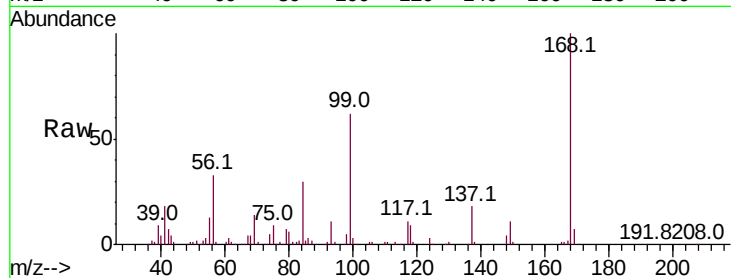
VD0918SBS01

Tot Ion:168 Resp: 410869

Ion Ratio Lower Upper

168 100

99 61.6 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

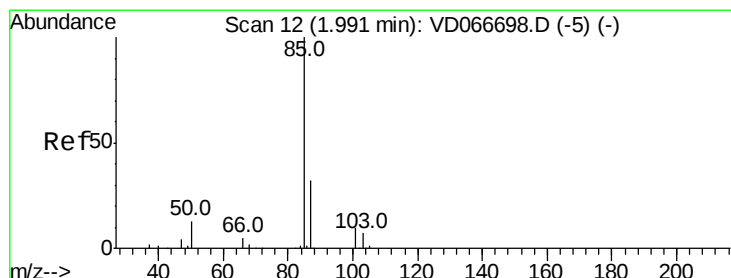
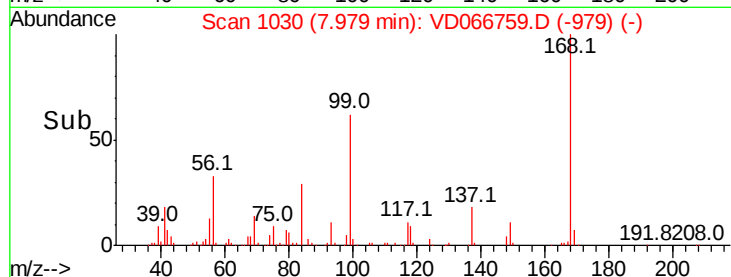
100000

50000

0

Time-->

7.90 8.00



#2

Dichlorodifluoromethane

Concen: 20.976 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066759.D

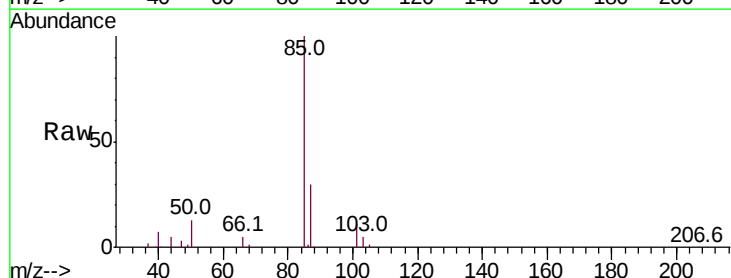
Acq: 18 Sep 2020 12:01

Tgt Ion: 85 Resp: 72149

Ion Ratio Lower Upper

85 100

87 30.2 15.9 47.6



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

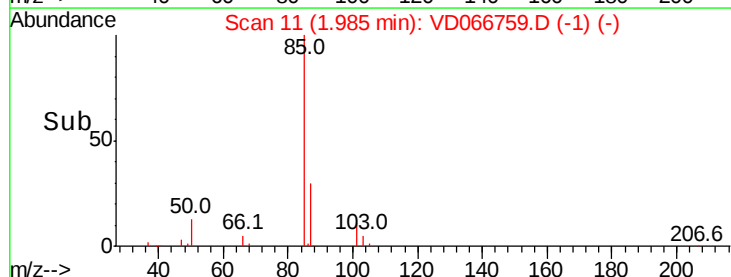
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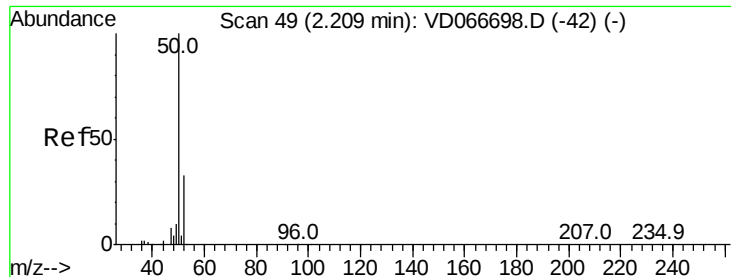
10000

0

Time-->

1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 19.157 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

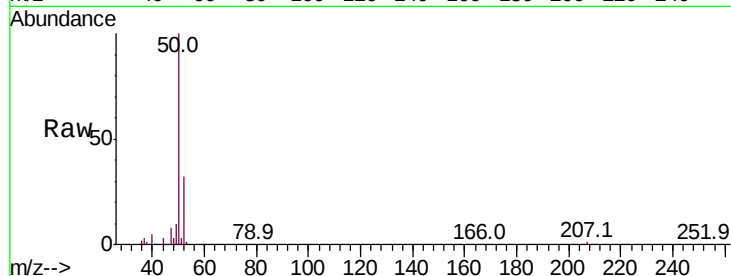
VD0918SBS01

Tot Ion: 50 Resp: 85654

Ion Ratio Lower Upper

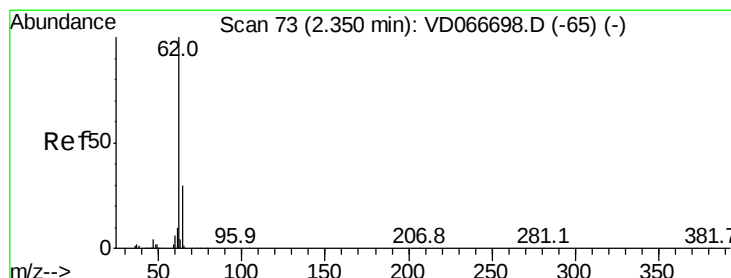
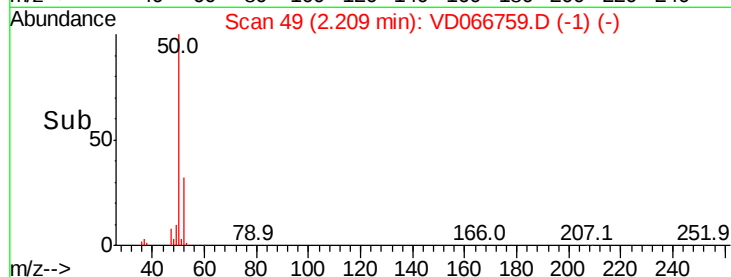
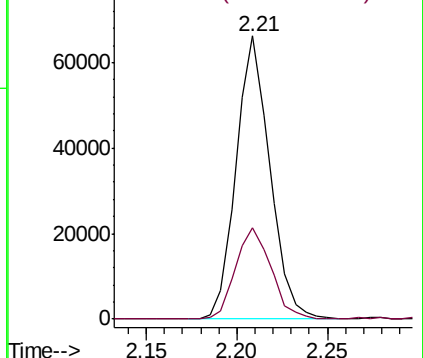
50 100

52 32.4 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.008 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066759.D

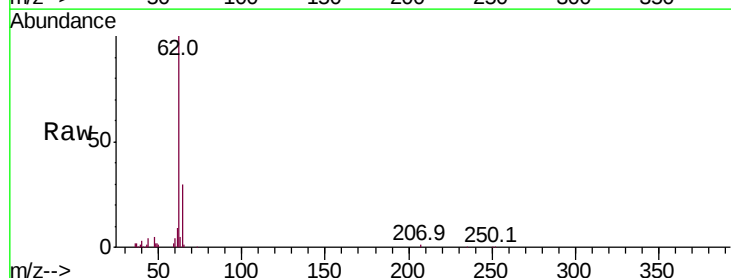
Acq: 18 Sep 2020 12:01

Tgt Ion: 62 Resp: 88946

Ion Ratio Lower Upper

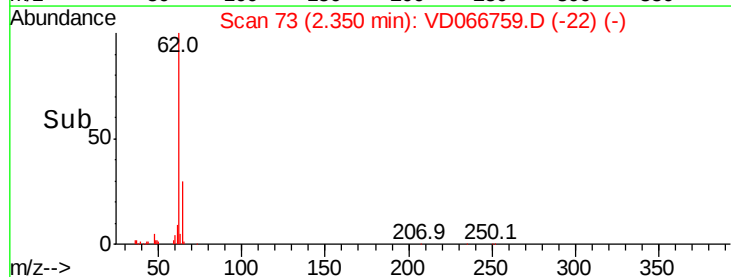
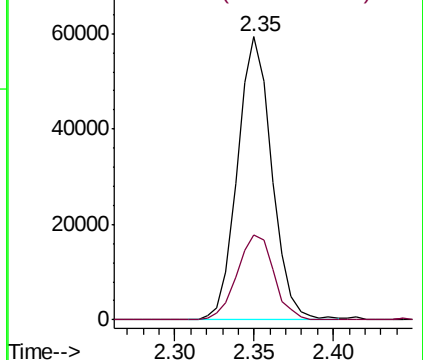
62 100

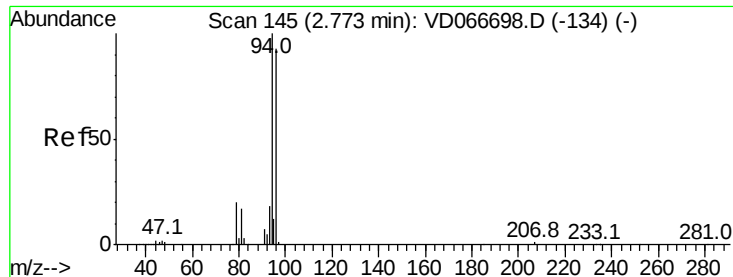
64 30.1 24.4 36.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 17.696 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

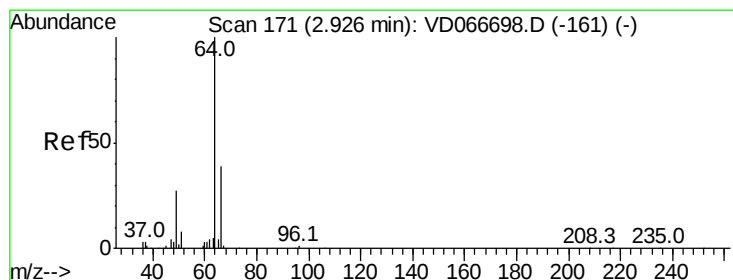
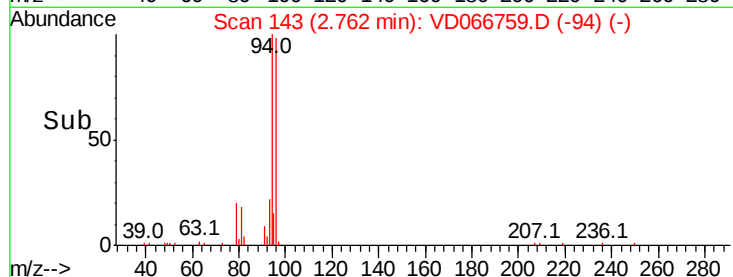
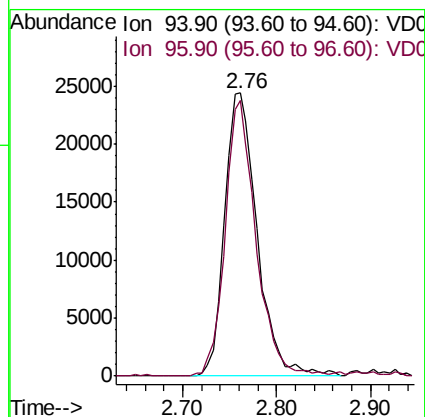
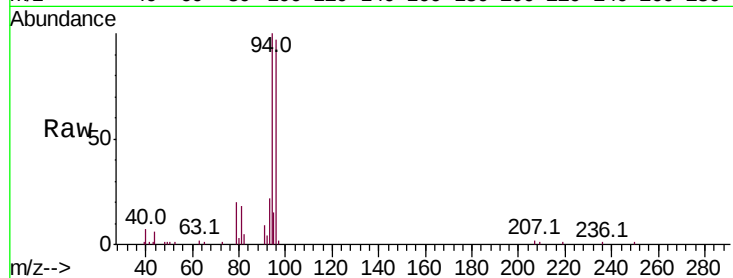
VD0918SBS01

Tot Ion: 94 Resp: 58741

Ion Ratio Lower Upper

94 100

96 97.4 74.7 112.1



#6

Chloroethane

Concen: 18.024 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD066759.D

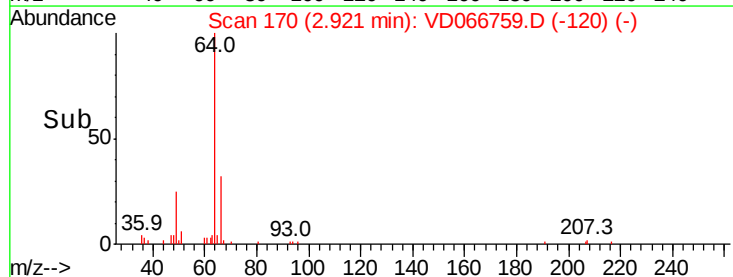
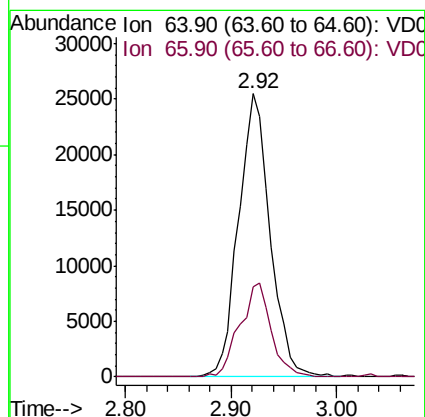
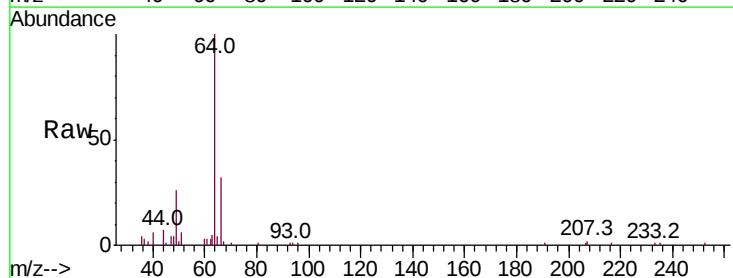
Acq: 18 Sep 2020 12:01

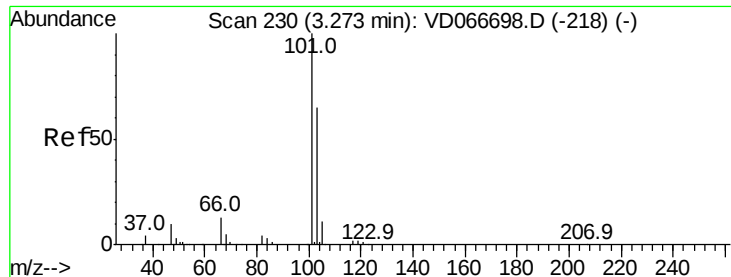
Tgt Ion: 64 Resp: 52542

Ion Ratio Lower Upper

64 100

66 31.7 30.9 46.3



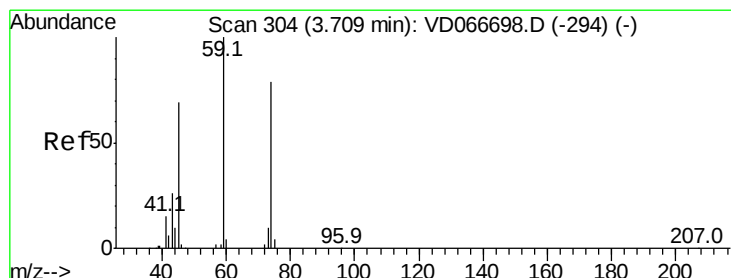
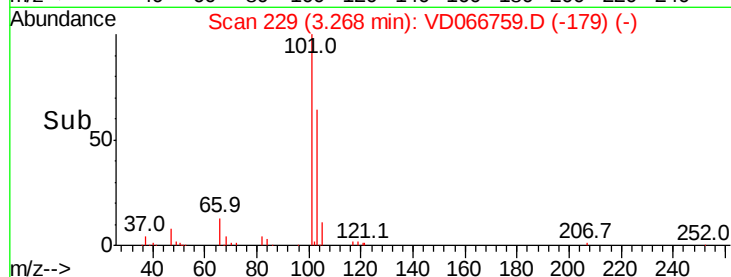
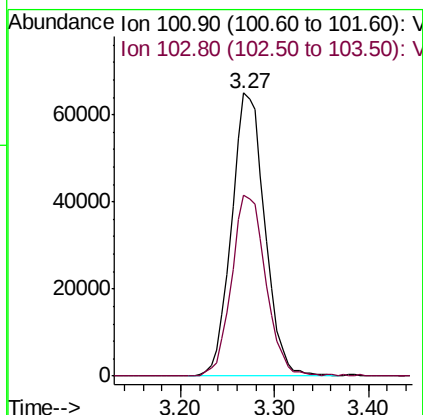
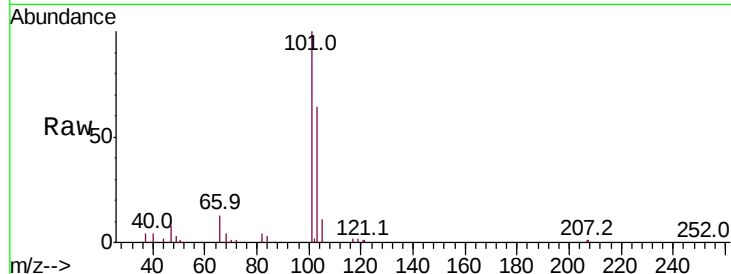


#7

Trichlorofluoromethane
 Concen: 19.714 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066759.D
 Acq: 18 Sep 2020 12:01

Instrument :
 MSVOA_D
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 VD0918SBS01

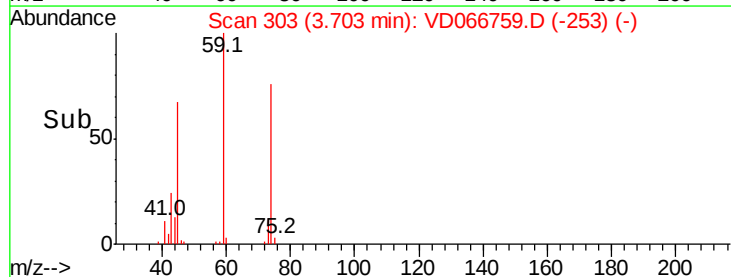
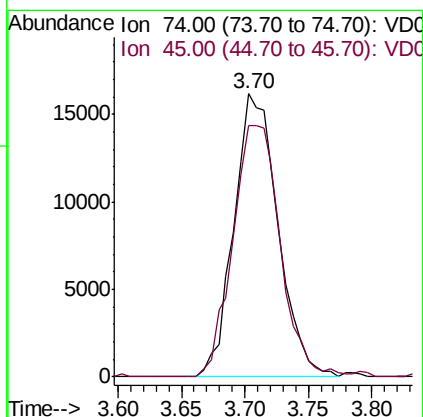
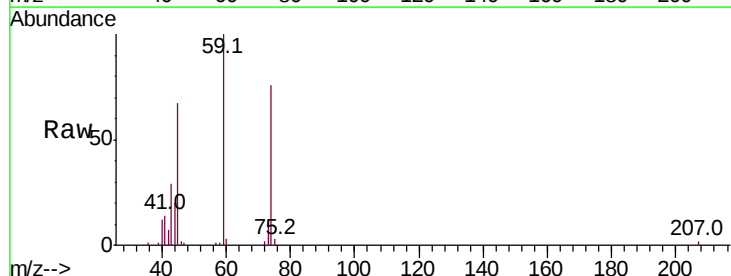
Tot Ion:101 Resp: 159336
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.8 77.8

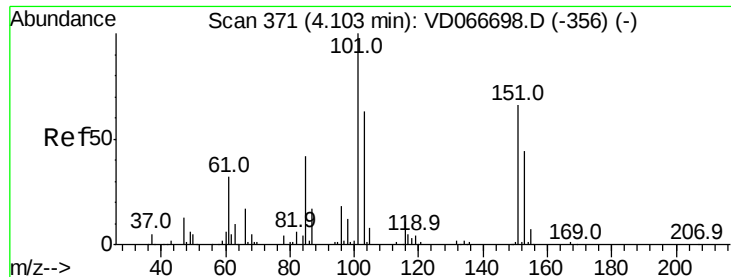


#8

Diethyl Ether
 Concen: 19.249 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD066759.D
 Acq: 18 Sep 2020 12:01

Tgt Ion: 74 Resp: 38957
 Ion Ratio Lower Upper
 74 100
 45 95.9 48.0 144.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.558 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

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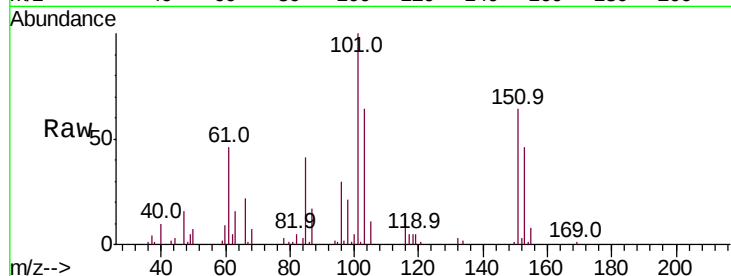
Tot Ion:101 Resp: 91314

Ion Ratio Lower Upper

101 100

85 44.1 36.3 54.5

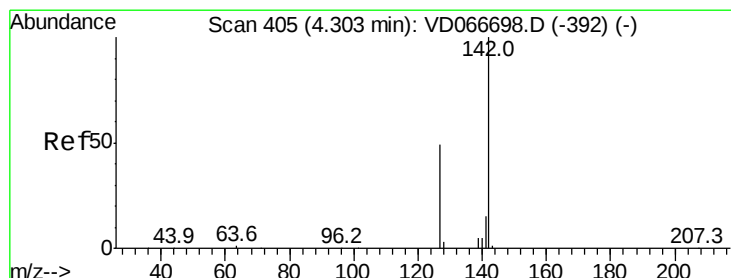
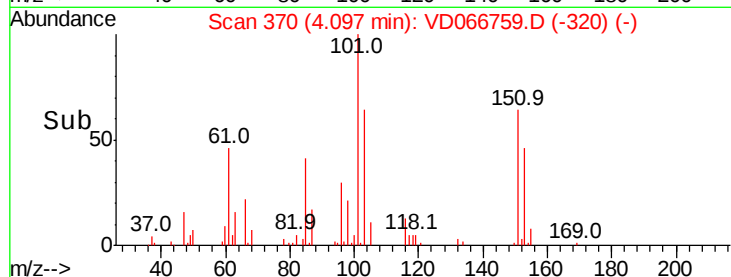
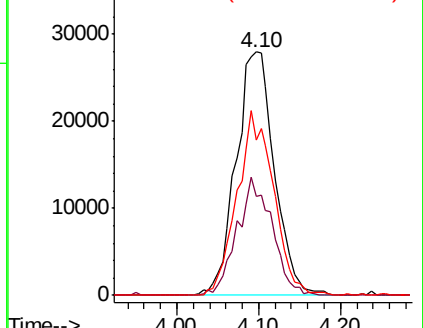
151 72.1 58.0 87.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.770 ug/l

RT: 4.30 min Scan# 405

Delta R.T. -0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

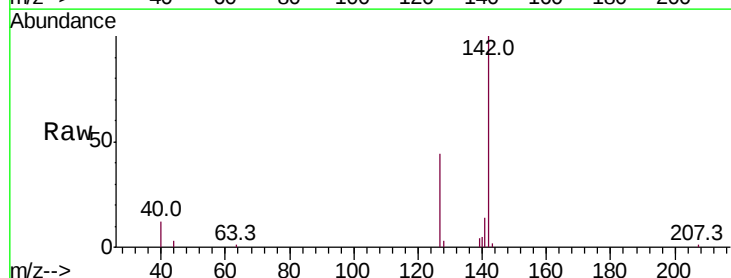
Tgt Ion:142 Resp: 70676

Ion Ratio Lower Upper

142 100

127 49.2 39.0 58.4

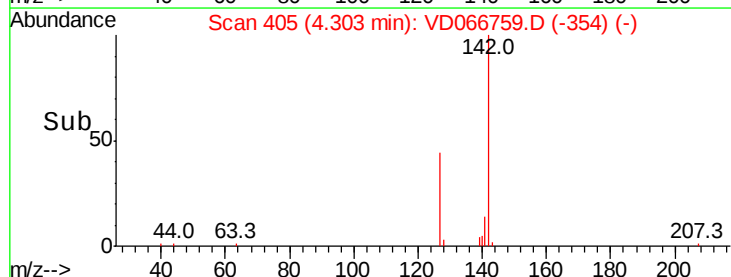
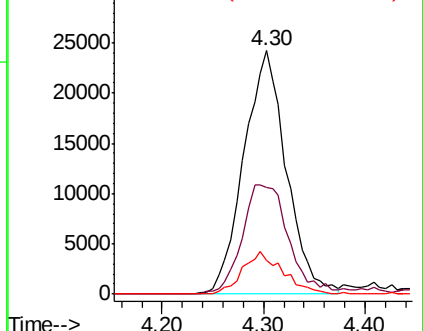
141 16.6 11.7 17.5

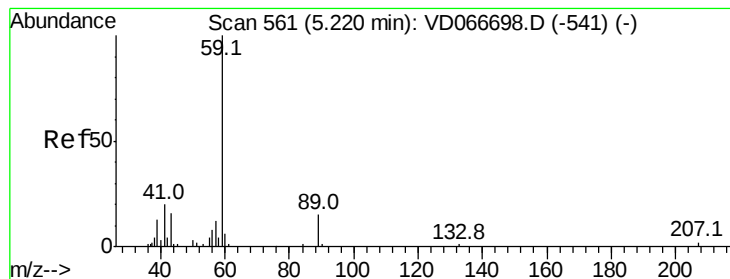


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 91.263 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

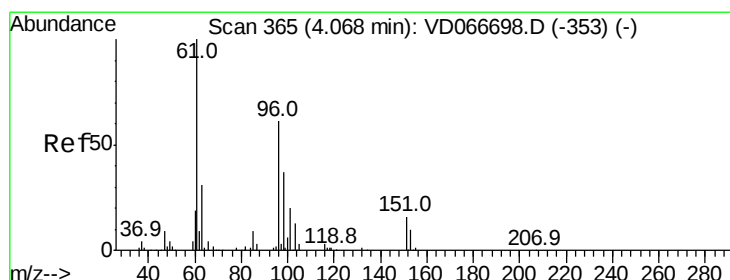
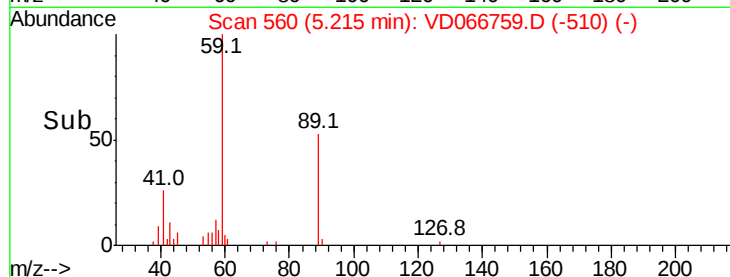
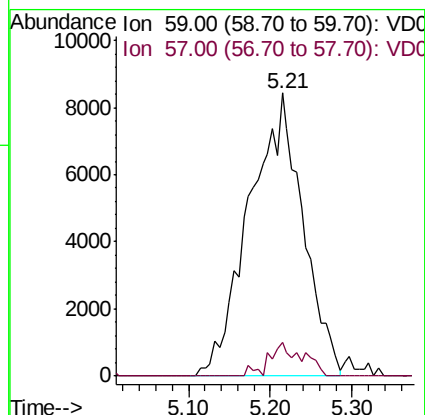
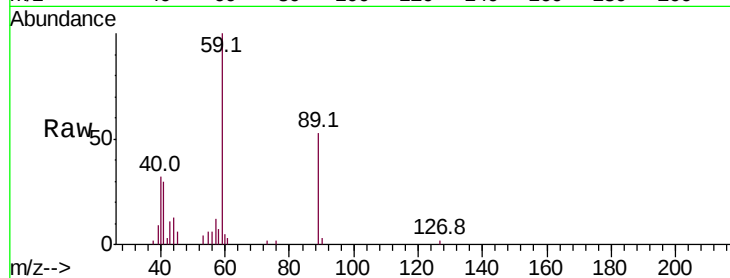
VD0918SBS01

Tot Ion: 59 Resp: 38377

Ion Ratio Lower Upper

59 100

57 4.9 6.7 10.1#



#12

1,1-Dichloroethene

Concen: 19.552 ug/l

RT: 4.07 min Scan# 366

Delta R.T. 0.01 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

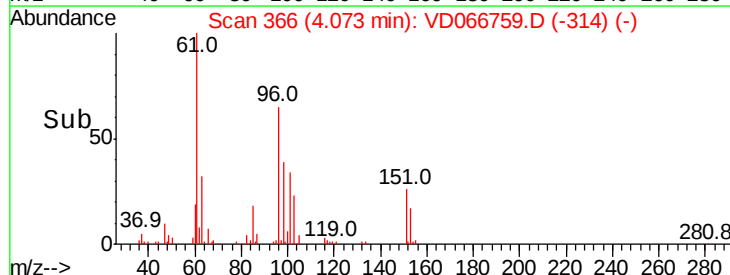
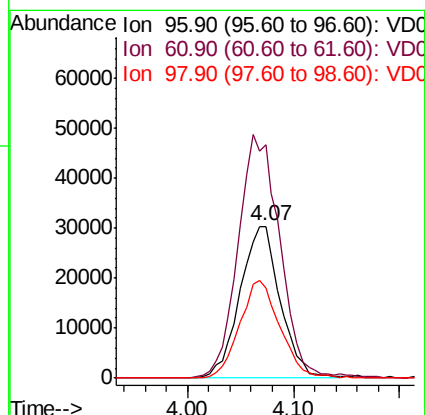
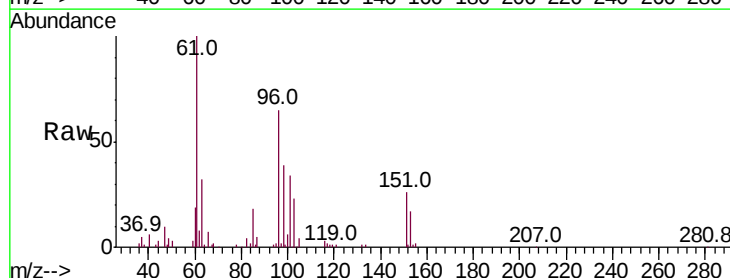
Tgt Ion: 96 Resp: 80380

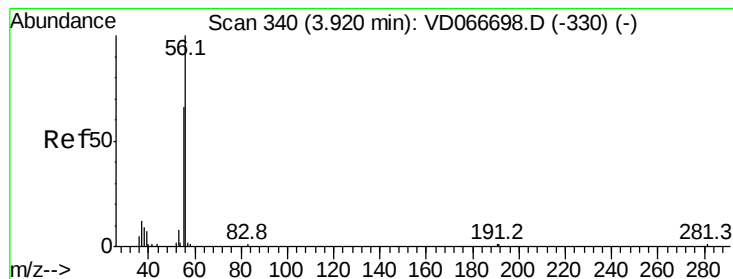
Ion Ratio Lower Upper

96 100

61 154.1 131.9 197.9

98 59.5 49.1 73.7





#13

Acrolein

Concen: 88.015 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

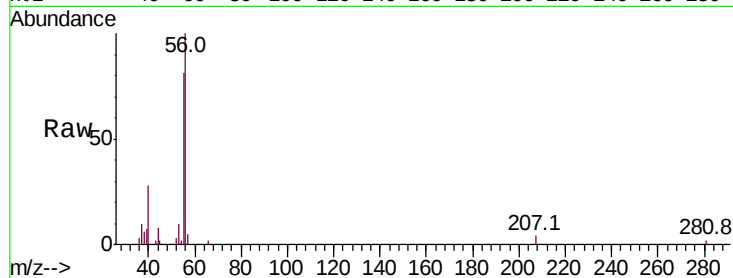
VD0918SBS01

Tot Ion: 56 Resp: 27212

Ion Ratio Lower Upper

56 100

55 75.6 54.7 82.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

6000

4000

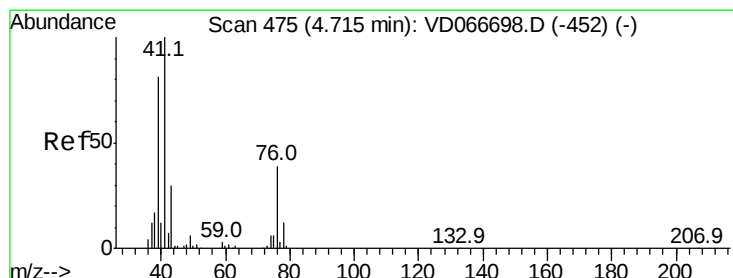
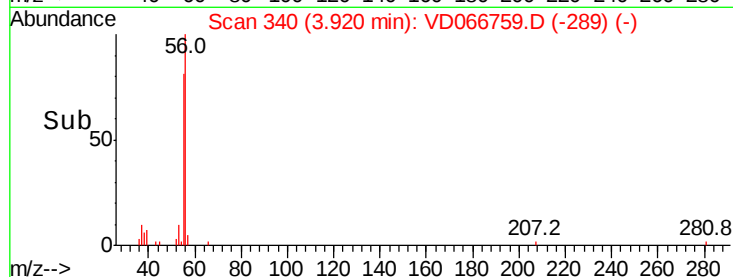
2000

0

Time-->

3.85 3.90 3.95 4.00

3.92



#14

Allyl chloride

Concen: 18.428 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

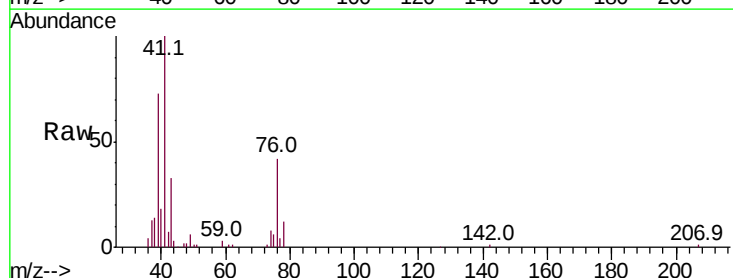
Tgt Ion: 41 Resp: 121667

Ion Ratio Lower Upper

41 100

39 73.0 60.6 90.8

76 37.6 29.2 43.8



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

50000

40000

30000

20000

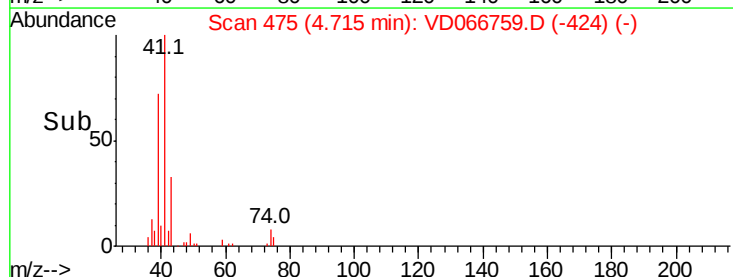
10000

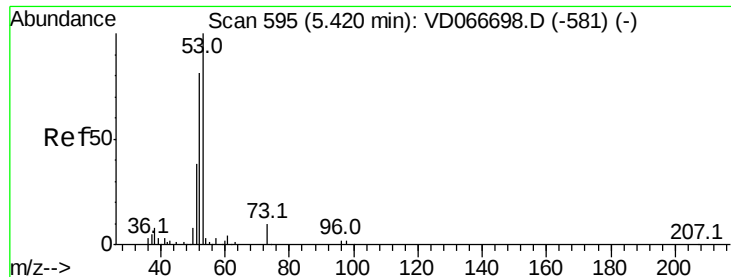
0

Time-->

4.60 4.70 4.80

4.71





#15

Acrylonitrile

Concen: 91.635 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

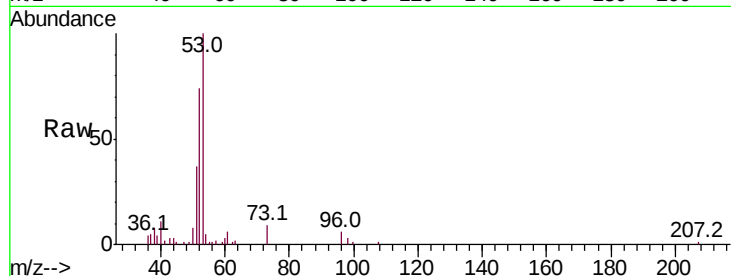
Tot Ion: 53 Resp: 81243

Ion Ratio Lower Upper

53 100

52 84.5 66.6 99.8

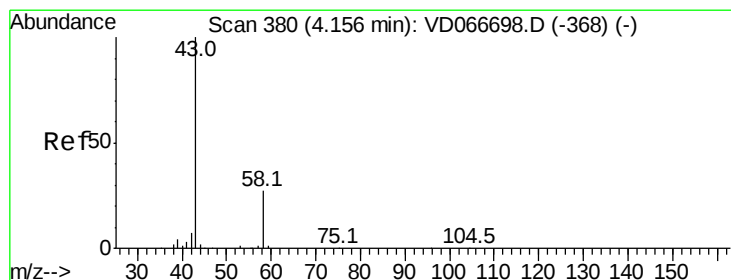
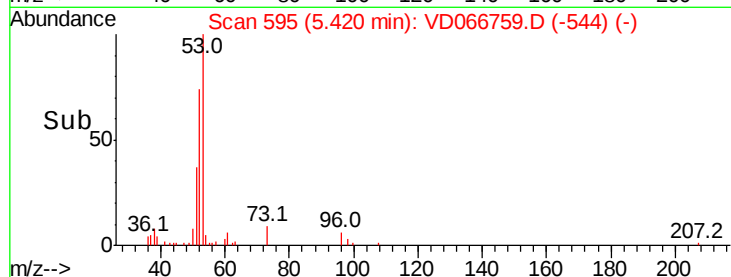
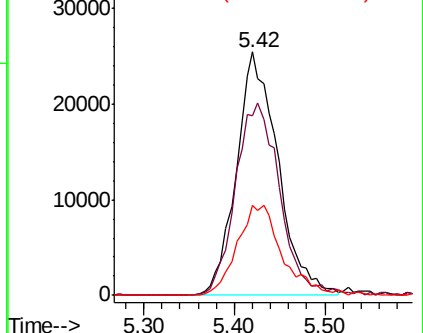
51 40.1 31.0 46.6



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: 93.582 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066759.D

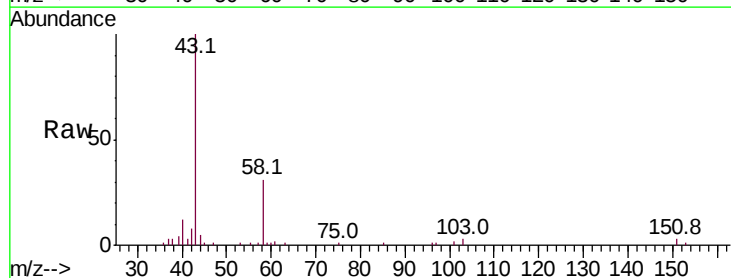
Acq: 18 Sep 2020 12:01

Tgt Ion: 43 Resp: 83540

Ion Ratio Lower Upper

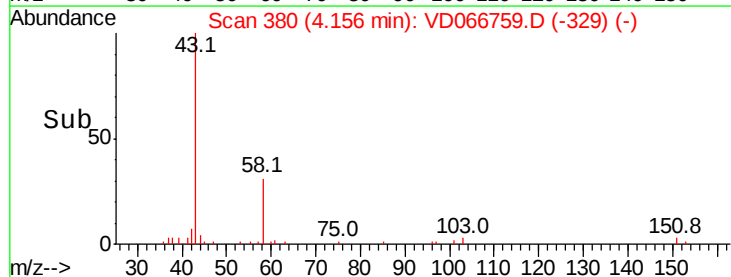
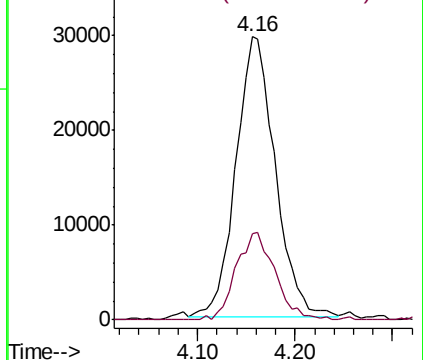
43 100

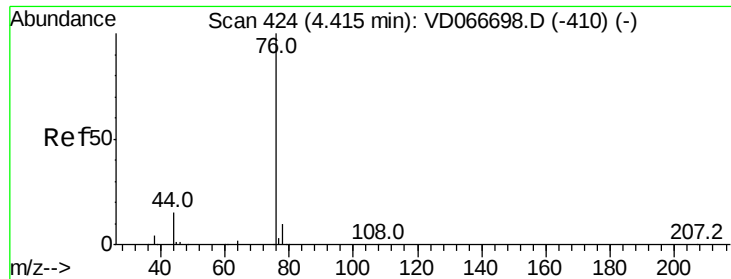
58 30.8 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

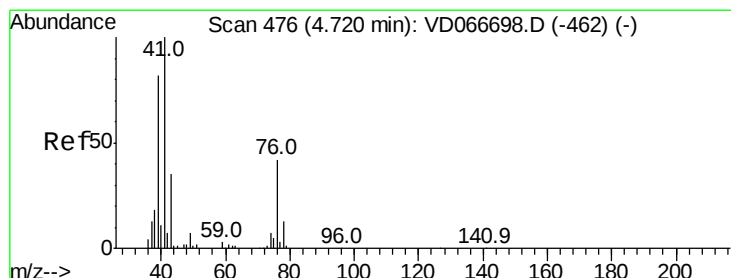
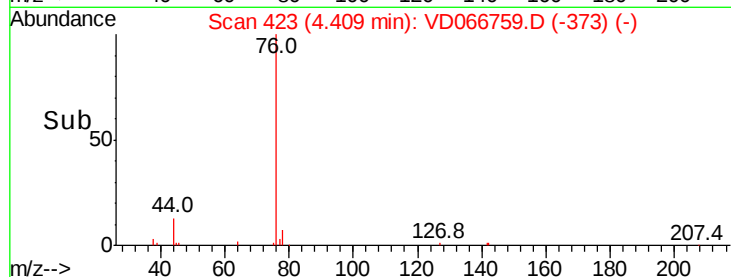
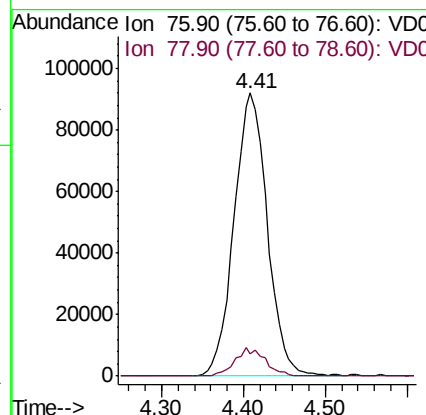
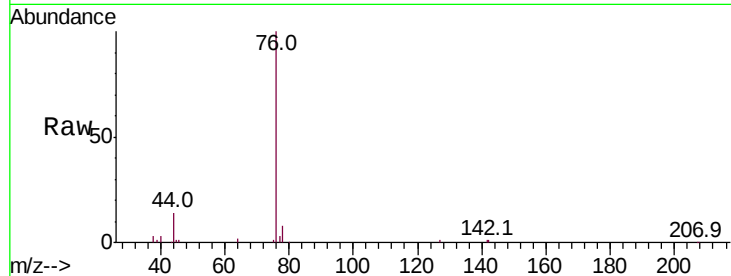




#17
Carbon Disulfide
Concen: 20.164 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

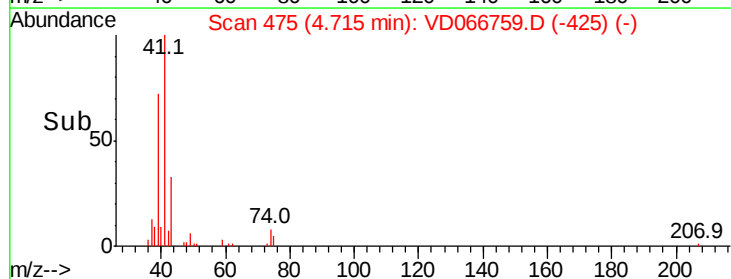
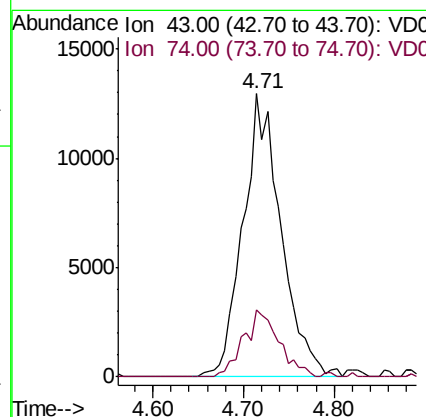
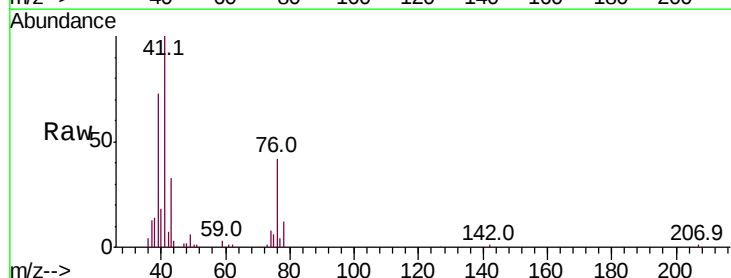
Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

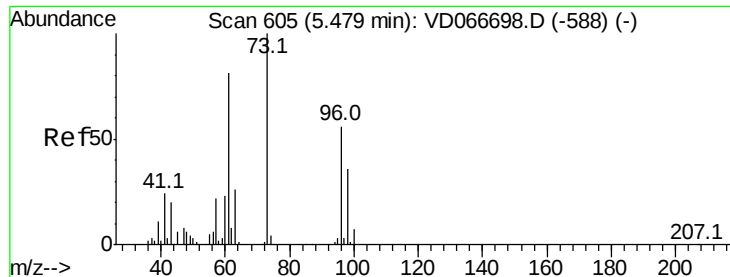
Tot Ion: 76 Resp: 260492
Ion Ratio Lower Upper
76 100
78 8.0 8.0 12.0



#18
Methyl Acetate
Concen: 17.524 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion: 43 Resp: 37852
Ion Ratio Lower Upper
43 100
74 22.1 18.6 28.0

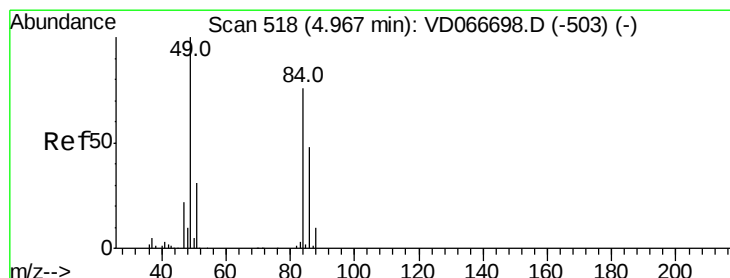
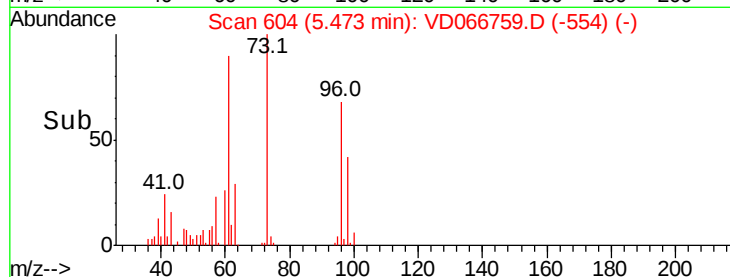
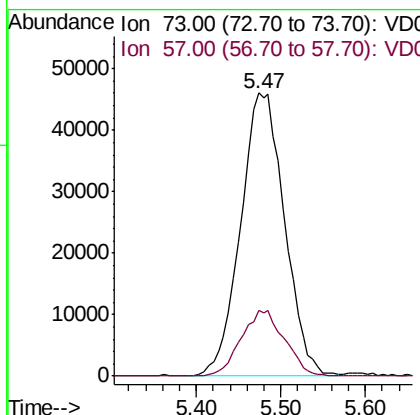
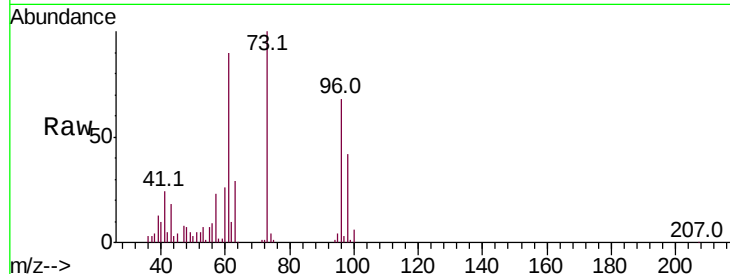




#19
Methvl tert-butvl Ether
Concen: 18.161 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

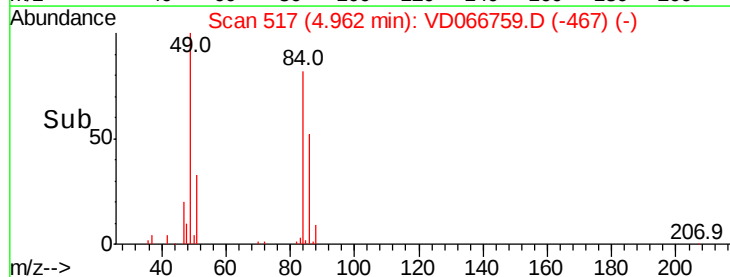
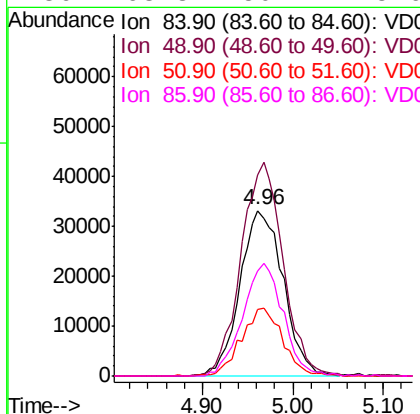
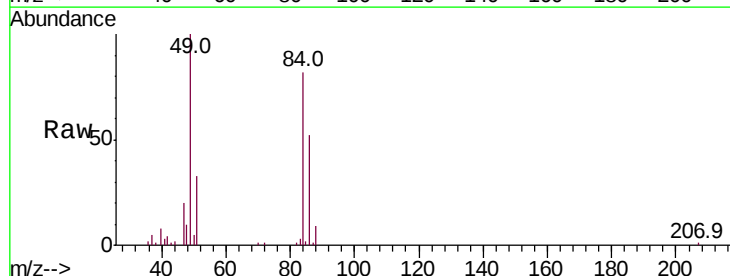
Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

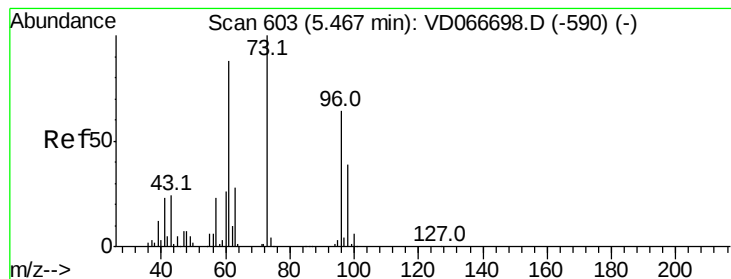
Tot Ion: 73 Resp: 166302
Ion Ratio Lower Upper
73 100
57 23.3 17.8 26.6



#20
Methylene Chloride
Concen: 18.290 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion: 84 Resp: 110173
Ion Ratio Lower Upper
84 100
49 121.8 105.0 157.6
51 40.2 32.2 48.4
86 63.3 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 19.755 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

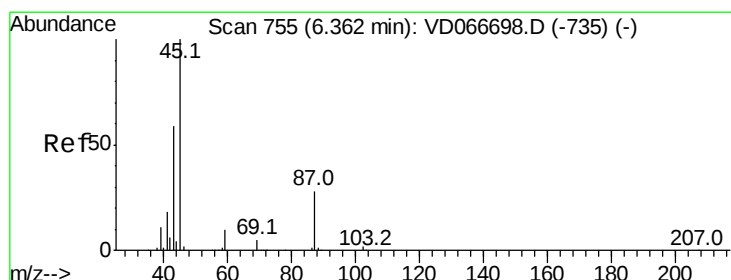
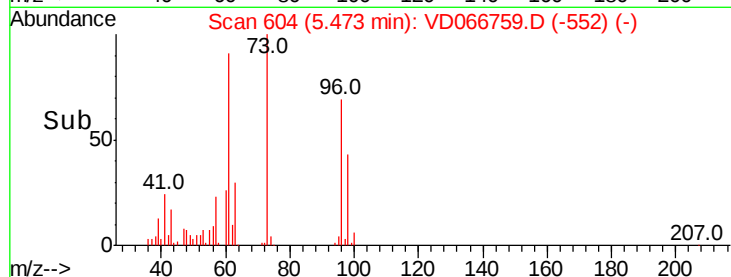
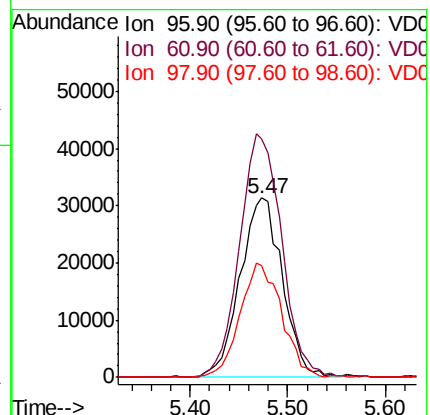
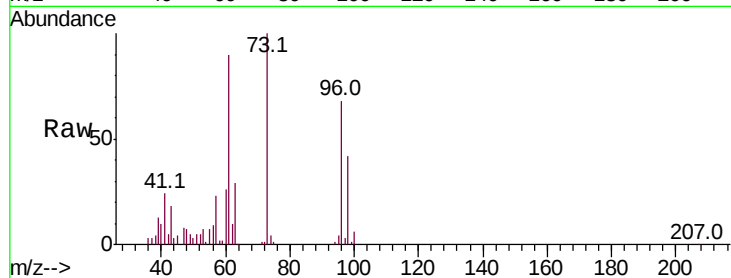
Tot Ion: 96 Resp: 94622

Ion Ratio Lower Upper

96 100

61 132.9 110.6 166.0

98 62.3 49.2 73.8



#22

Diisopropyl ether

Concen: 19.246 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Tgt Ion: 45 Resp: 258198

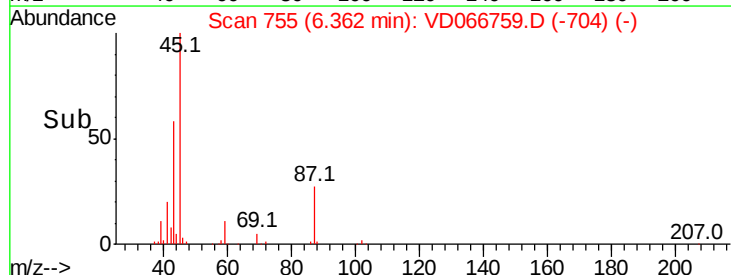
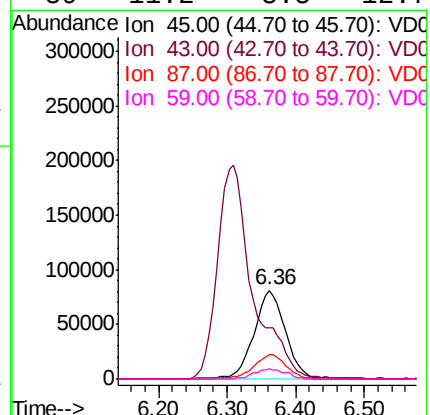
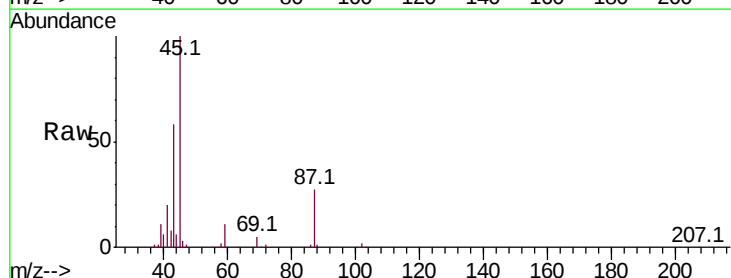
Ion Ratio Lower Upper

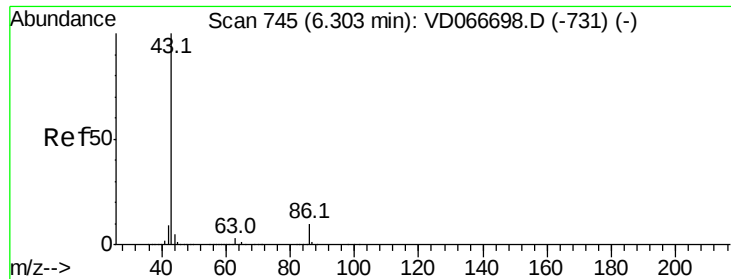
45 100

43 56.8 46.9 70.3

87 27.4 22.4 33.6

59 11.2 8.5 12.7

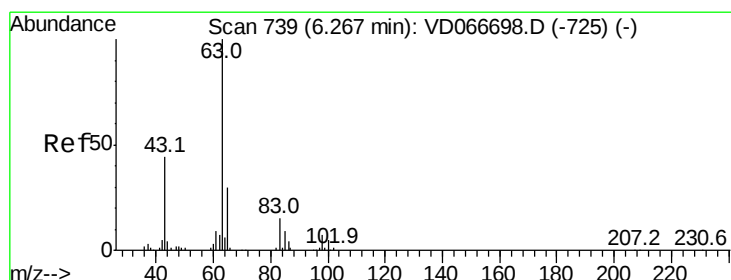
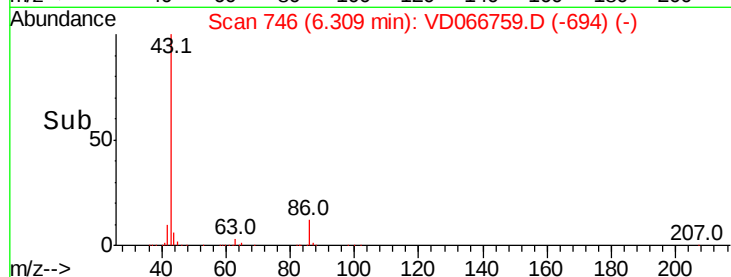
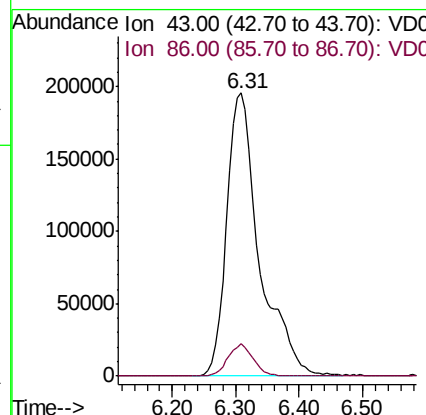
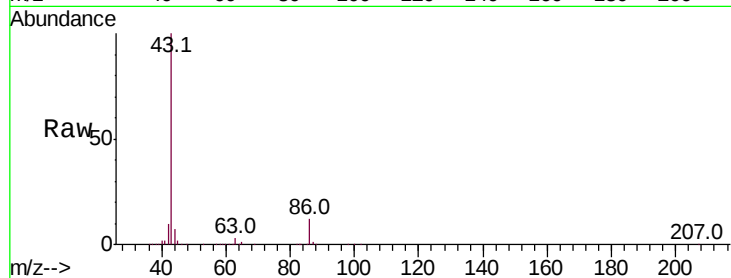




#23
 Vinyl Acetate
 Concen: 93.511 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. 0.01 min
 Lab File: VD066759.D
 Acq: 18 Sep 2020 12:01

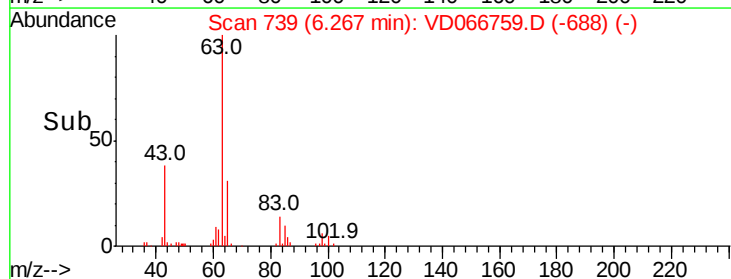
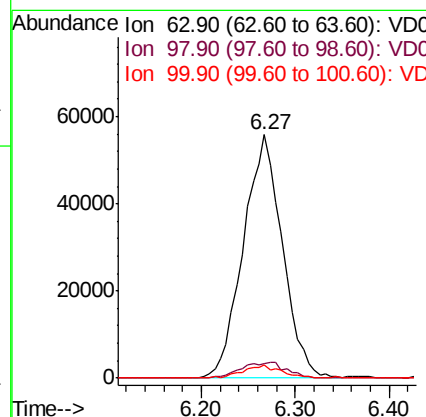
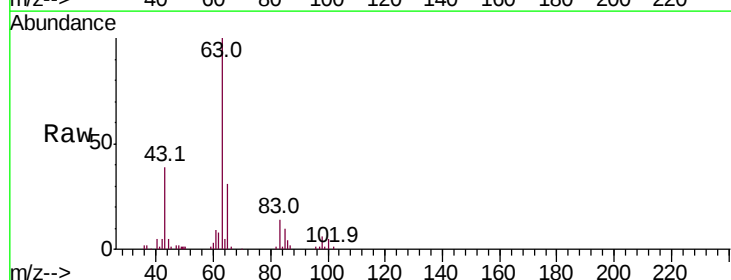
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

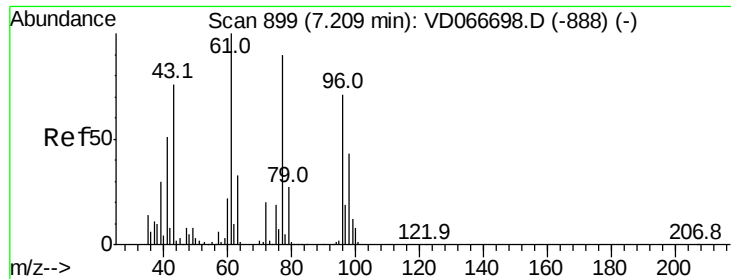
Tot Ion: 43 Resp: 697815
 Ion Ratio Lower Upper
 43 100
 86 11.6 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 18.839 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD066759.D
 Acq: 18 Sep 2020 12:01

Tgt Ion: 63 Resp: 160378
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.4 10.2
 100 5.4 2.6 8.0





#25

2-Butanone

Concen: 88.086 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

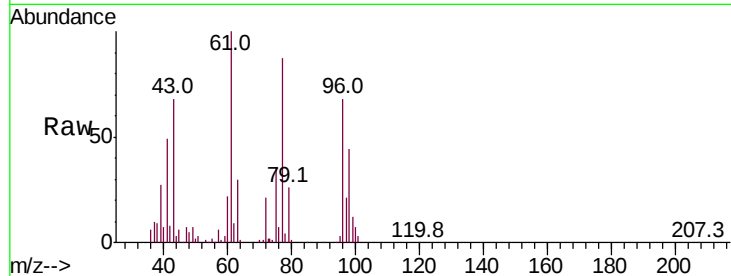
VD0918SBS01

Tot Ion: 43 Resp: 102393

Ion Ratio Lower Upper

43 100

72 30.4 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.21

40000

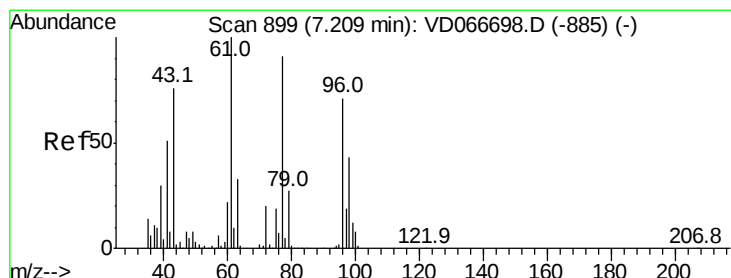
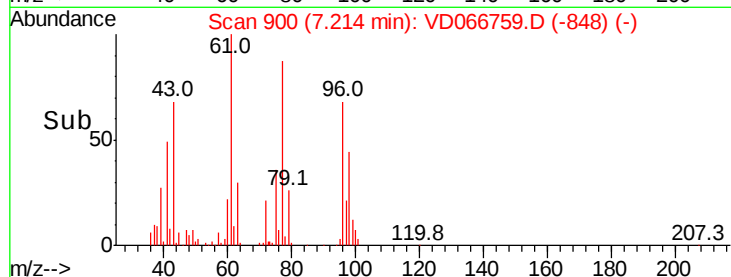
30000

20000

10000

0

Time--> 7.10 7.15 7.20 7.25



#26

2,2-Dichloropropane

Concen: 19.310 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066759.D

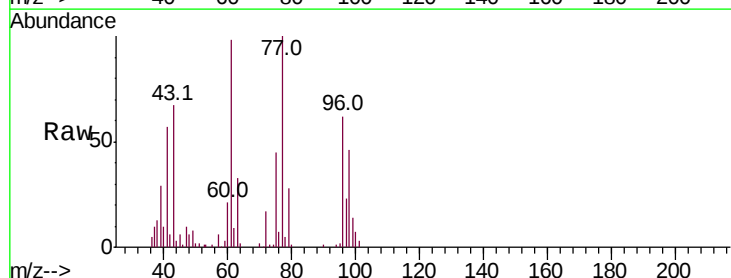
Acq: 18 Sep 2020 12:01

Tgt Ion: 77 Resp: 152010

Ion Ratio Lower Upper

77 100

97 22.0 10.6 31.8



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

60000

50000

40000

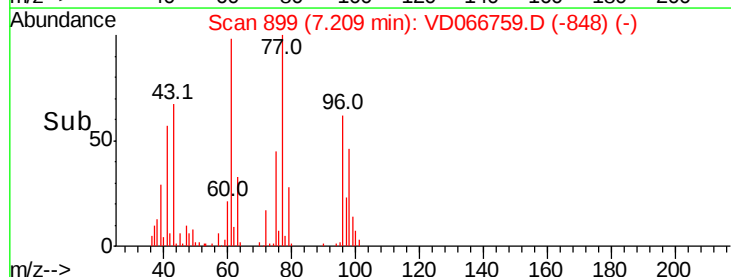
30000

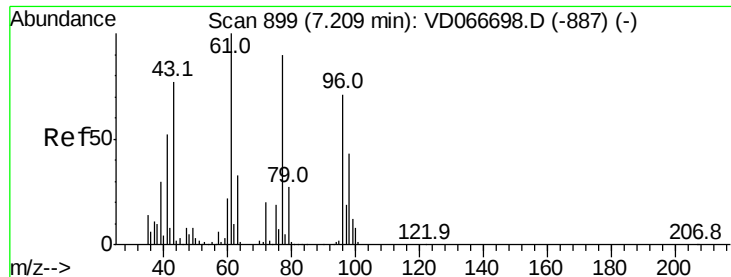
20000

10000

0

Time--> 7.10 7.20 7.30



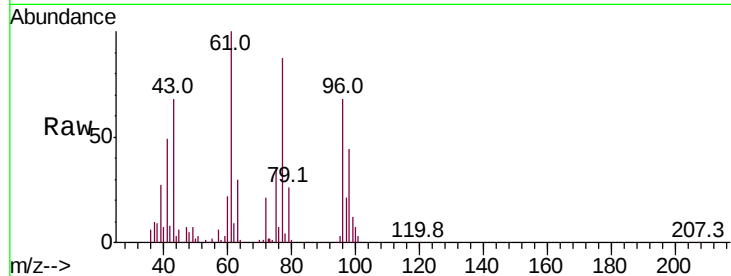


#27

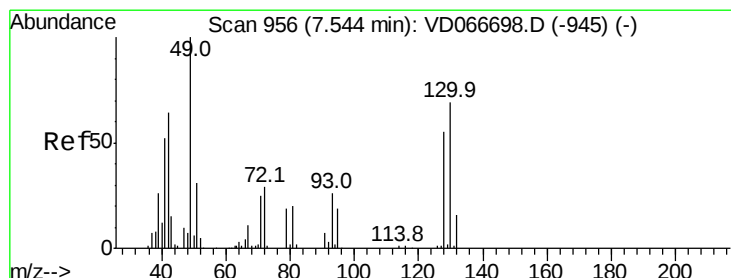
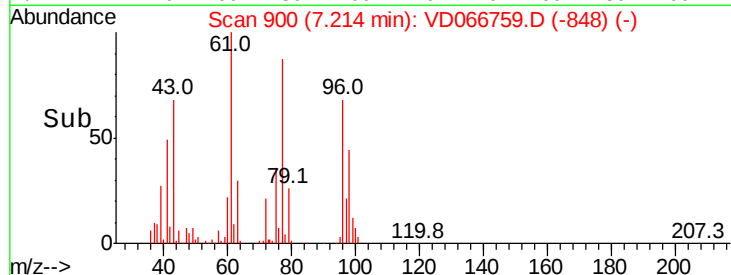
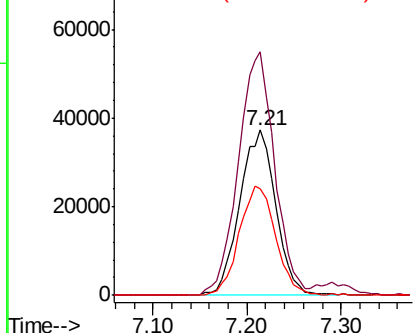
cis-1,2-Dichloroethene
 Concen: 18.888 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD066759.D
 Acq: 18 Sep 2020 12:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

Tot Ion: 96 Resp: 98973
 Ion Ratio Lower Upper
 96 100
 61 148.9 0.0 292.4
 98 66.5 0.0 127.0



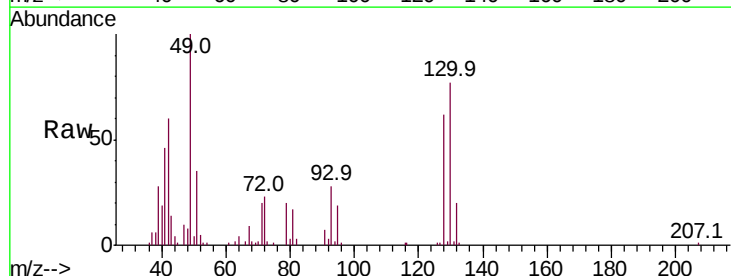
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



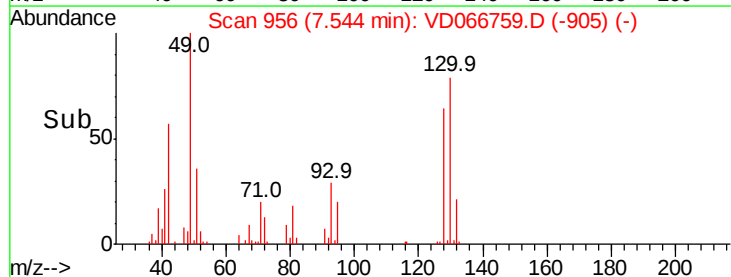
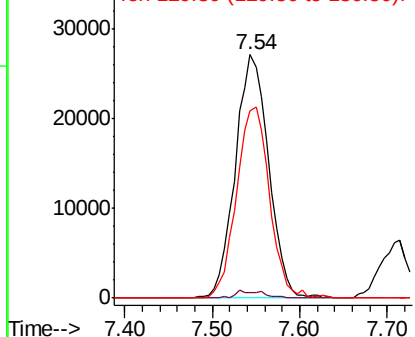
#28

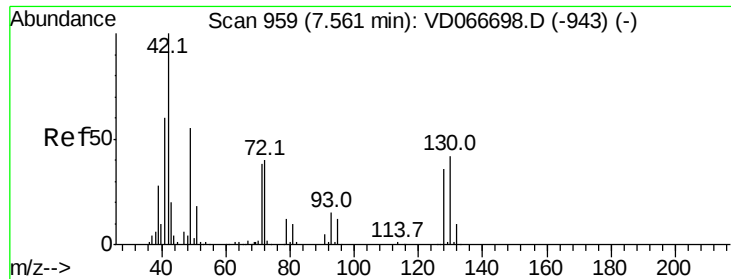
Bromochloromethane
 Concen: 21.958 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VD066759.D
 Acq: 18 Sep 2020 12:01

Tgt Ion: 49 Resp: 69823
 Ion Ratio Lower Upper
 49 100
 129 1.3 0.0 3.8
 130 77.5 58.6 88.0



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC

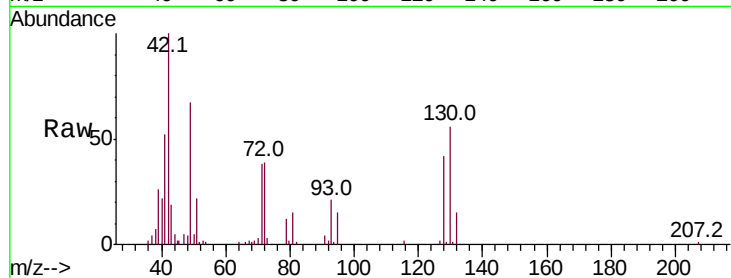




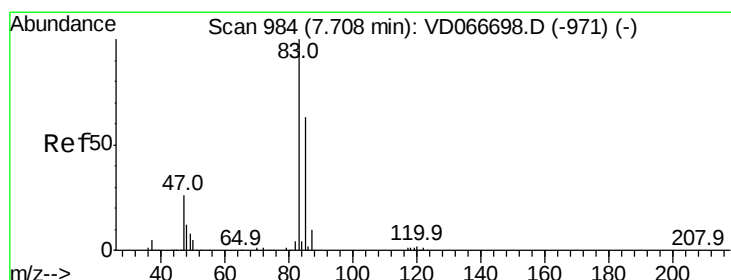
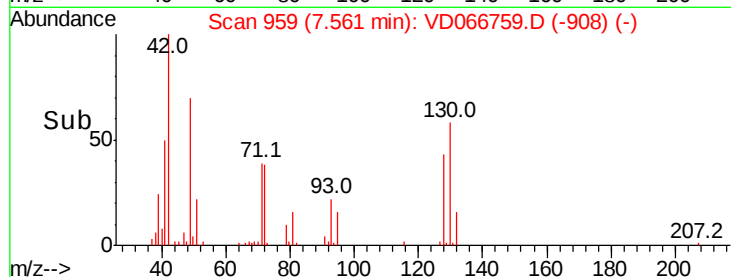
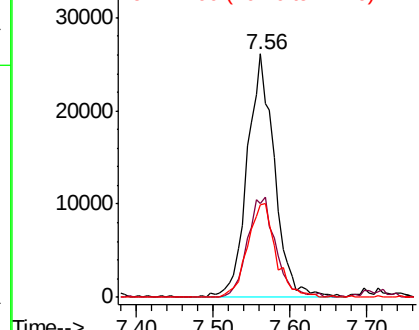
#29
Tetrahydrofuran
Concen: 91.129 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion: 42 Resp: 64812
Ion Ratio Lower Upper
42 100
72 43.0 32.6 48.8
71 39.8 30.6 45.8

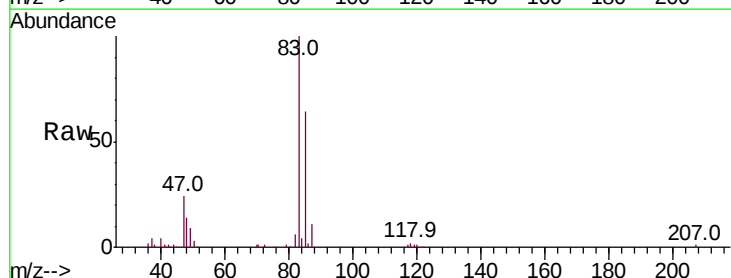


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

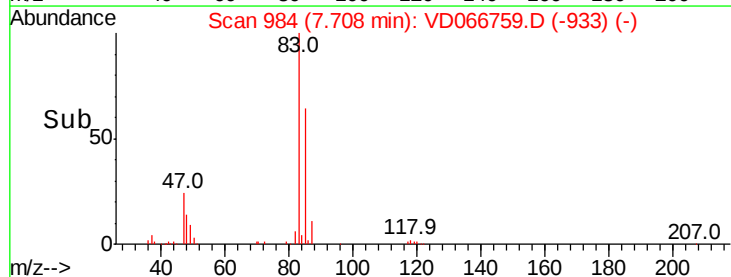
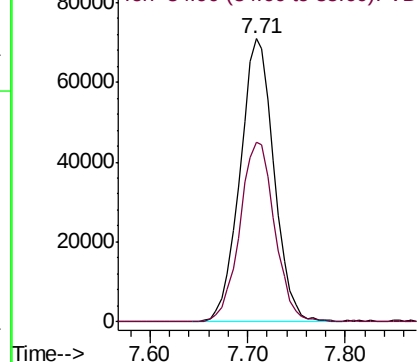


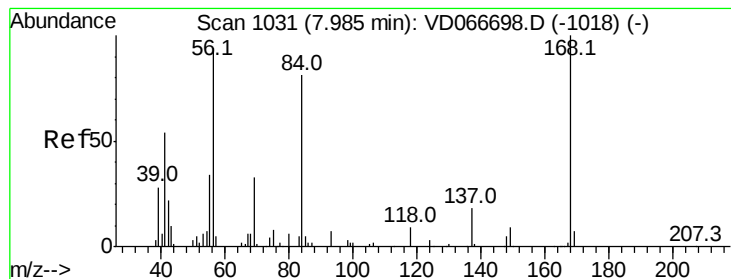
#30
Chloroform
Concen: 19.017 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion: 83 Resp: 172301
Ion Ratio Lower Upper
83 100
85 63.2 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 19.319 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

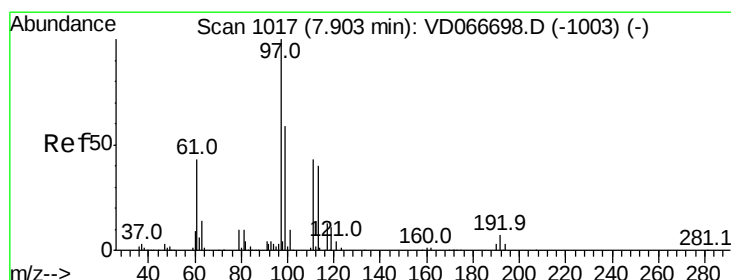
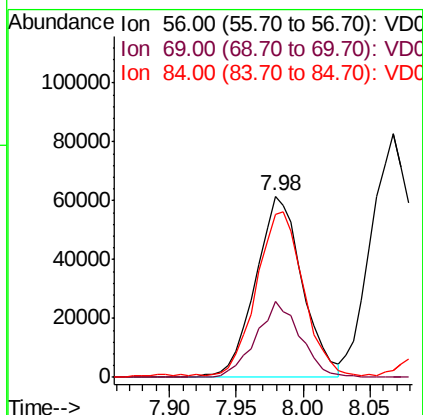
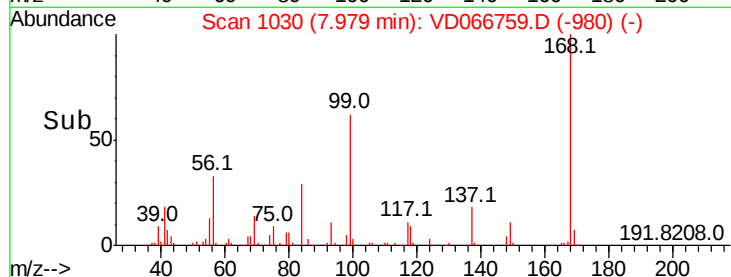
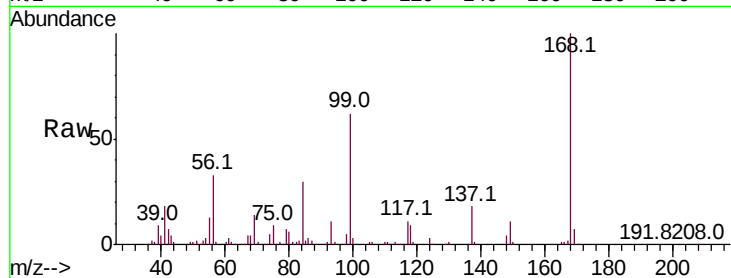
Tot Ion: 56 Resp: 149593

Ion Ratio Lower Upper

56 100

69 41.7 27.7 41.5#

84 88.5 68.5 102.7



#32

1,1,1-Trichloroethane

Concen: 19.086 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

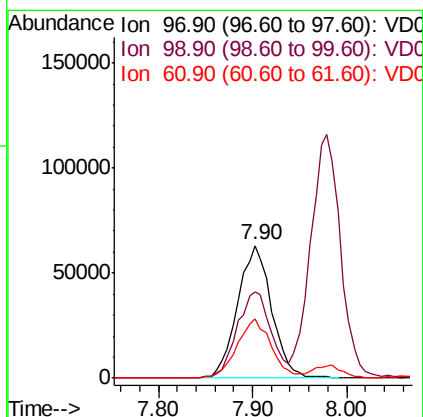
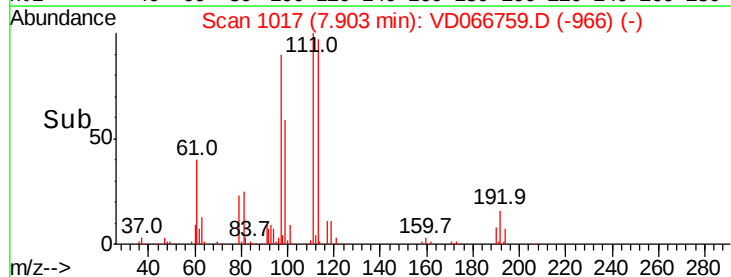
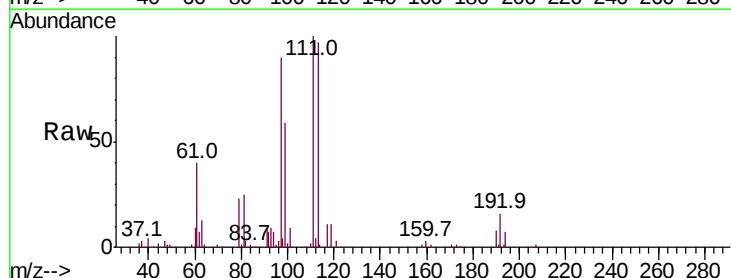
Tgt Ion: 97 Resp: 158242

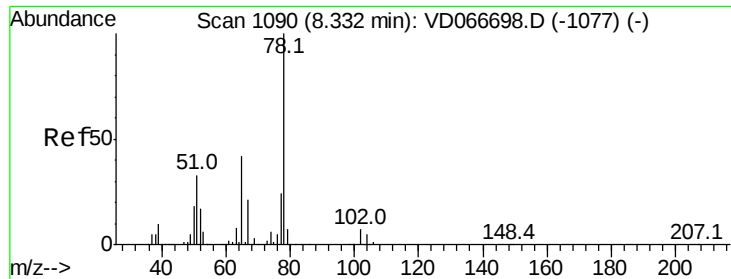
Ion Ratio Lower Upper

97 100

99 65.5 51.0 76.4

61 44.6 35.2 52.8

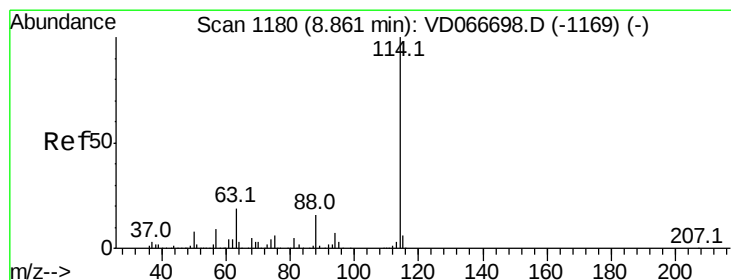
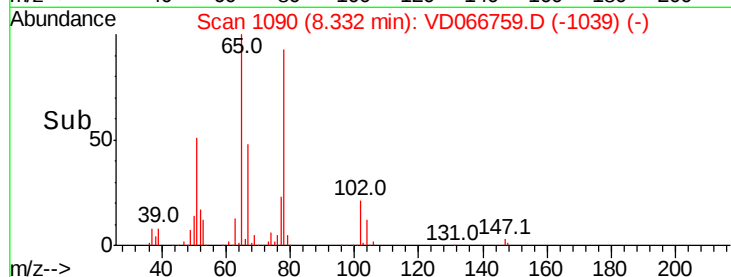
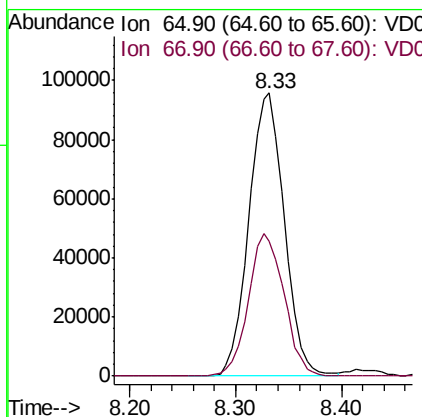
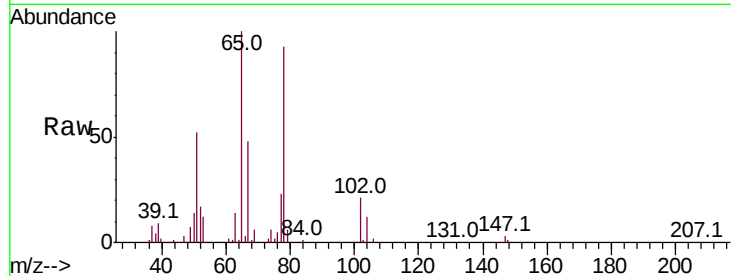




#33
 1,2-Dichloroethane-d4
 Concen: 50.811 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD066759.D
 Acq: 18 Sep 2020 12:01

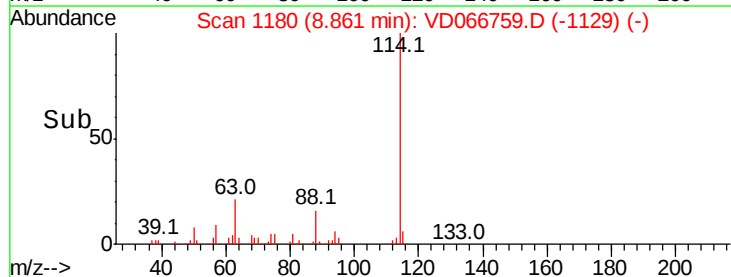
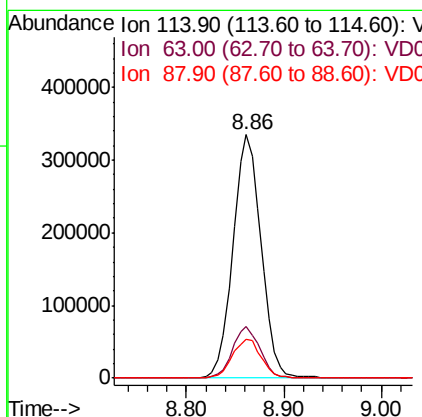
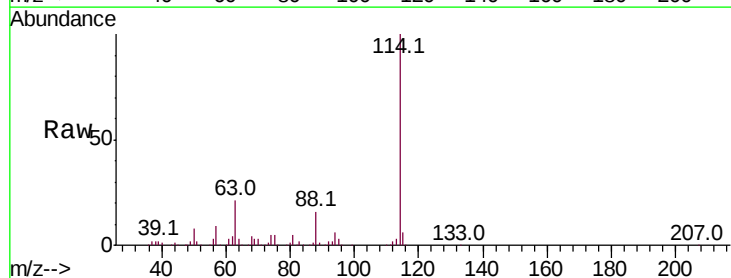
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

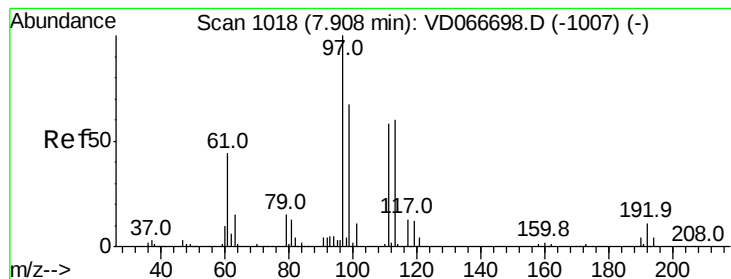
Tot Ion: 65 Resp: 222741
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066759.D
 Acq: 18 Sep 2020 12:01

Tgt Ion: 114 Resp: 669992
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 37.6
 88 15.8 0.0 32.2





#35

Dibromofluoromethane

Concen: 51.931 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

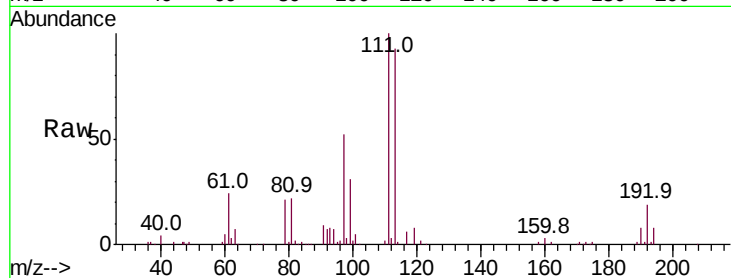
Tot Ion:113 Resp: 213318

Ion Ratio Lower Upper

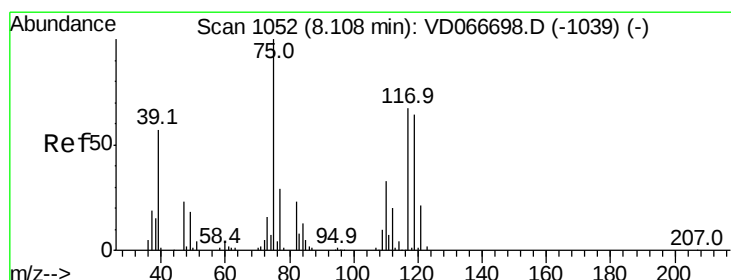
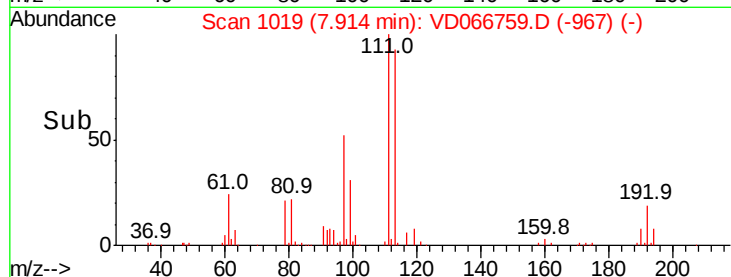
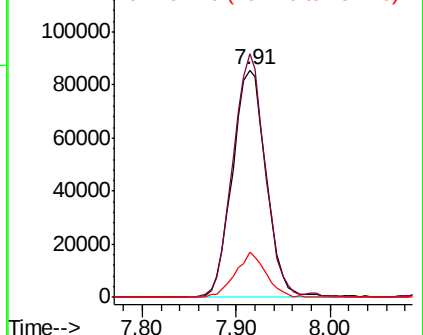
113 100

111 101.9 83.2 124.8

192 17.9 14.8 22.2



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



#36

1,1-Dichloropropene

Concen: 19.280 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

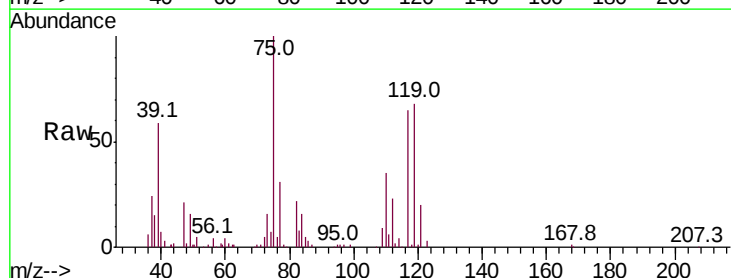
Tgt Ion: 75 Resp: 132809

Ion Ratio Lower Upper

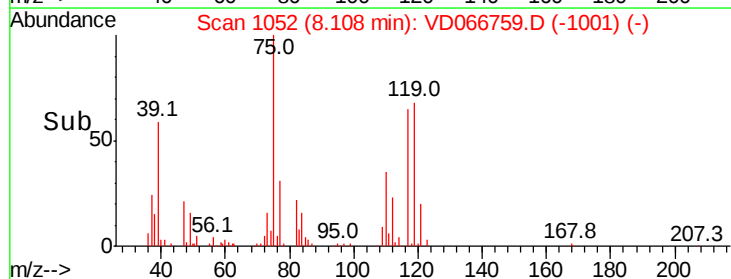
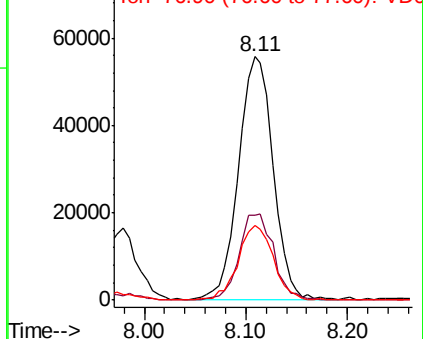
75 100

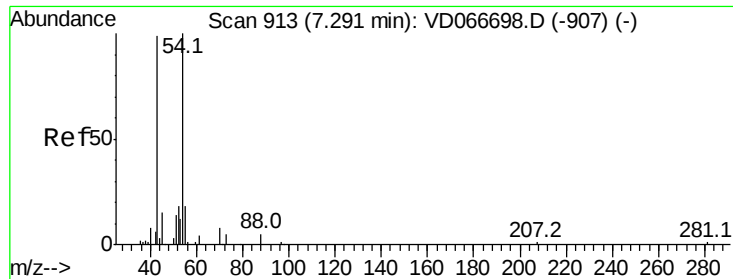
110 35.1 17.1 51.2

77 30.9 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

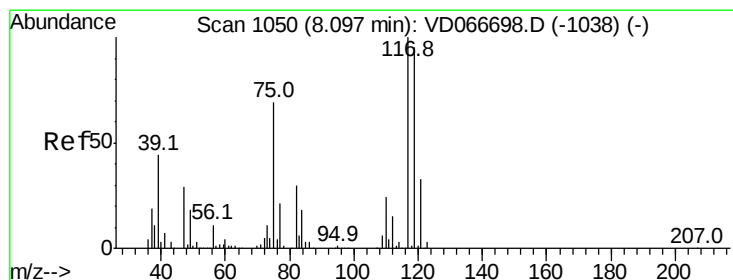
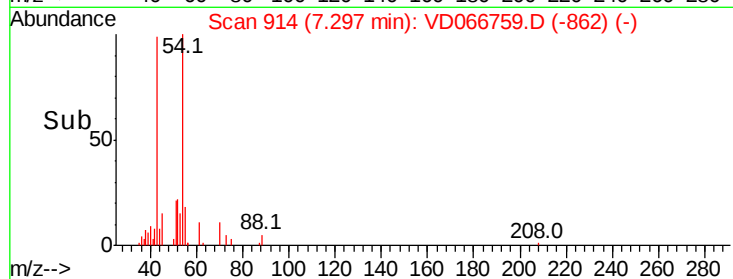
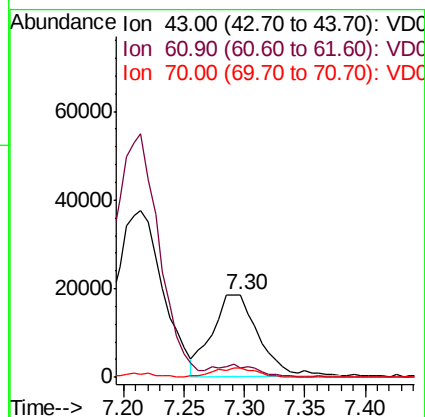
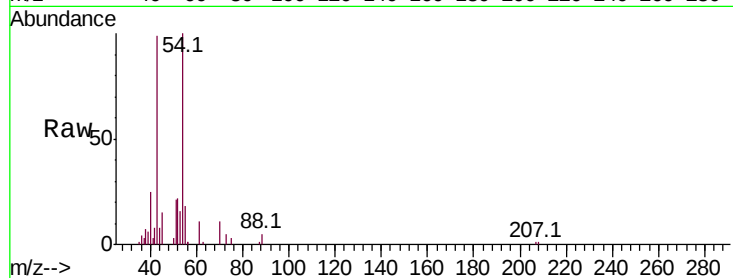




#37
Ethyl Acetate
Concen: 18.773 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

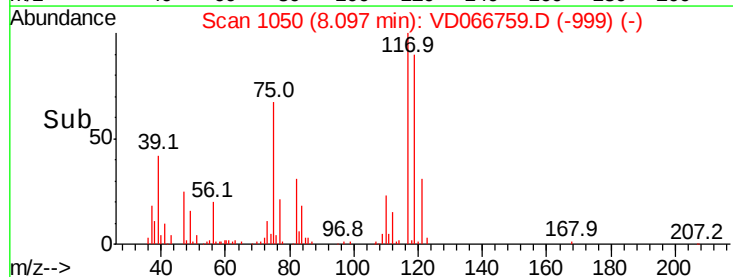
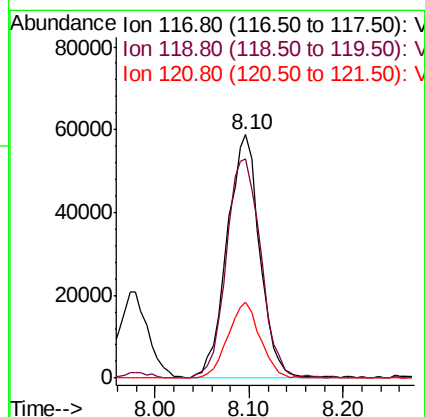
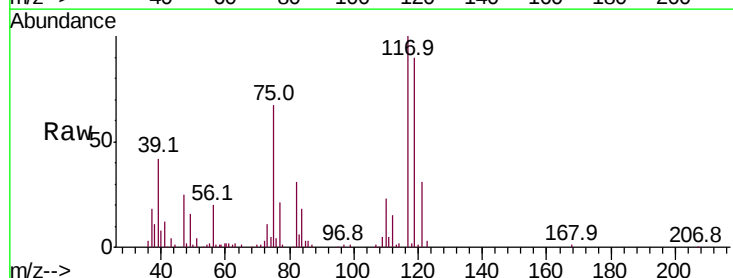
Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

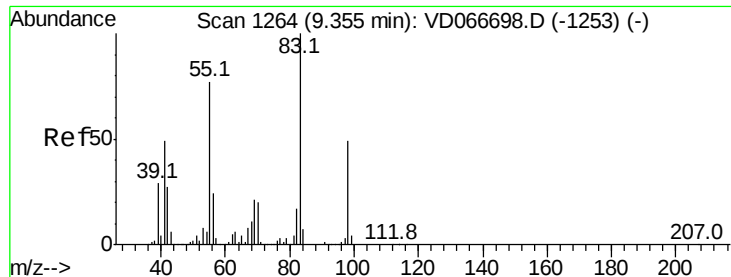
Tot Ion: 43 Resp: 48956
Ion Ratio Lower Upper
43 100
61 14.2 10.4 15.6
70 11.1 7.5 11.3



#38
Carbon Tetrachloride
Concen: 19.297 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion: 117 Resp: 141161
Ion Ratio Lower Upper
117 100
119 90.3 75.8 113.6
121 31.5 26.2 39.4

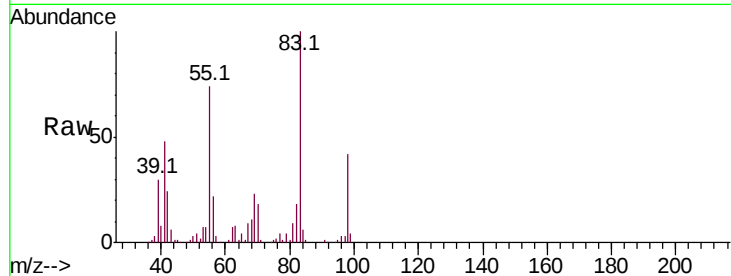




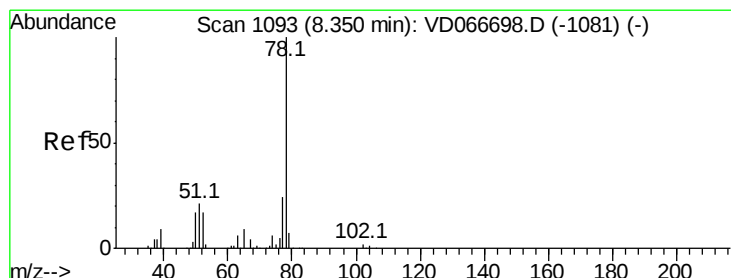
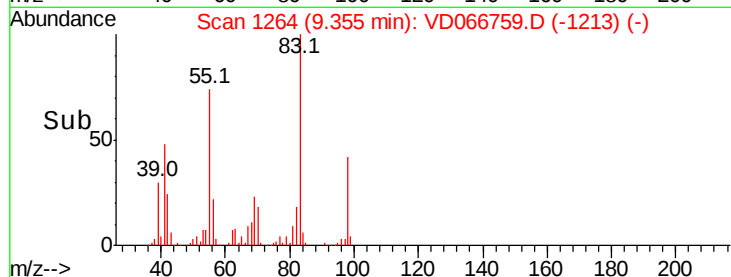
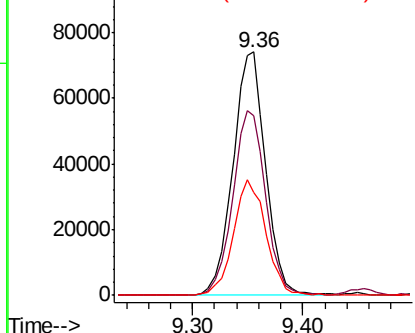
#39
Methvlcvclohexane
Concen: 19.427 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion: 83 Resp: 153073
Ion Ratio Lower Upper
83 100
55 73.6 61.5 92.3
98 42.1 39.3 58.9

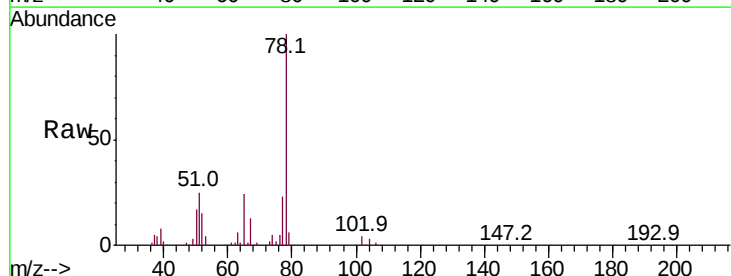


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

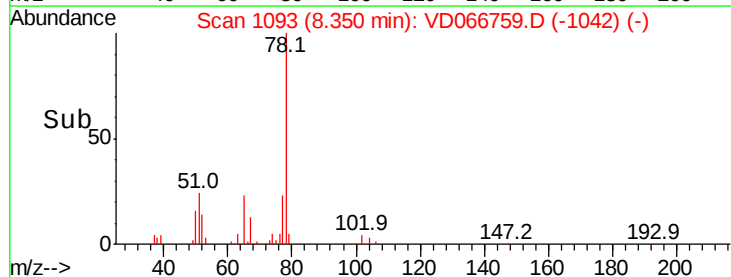
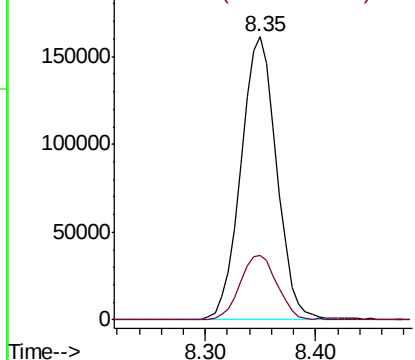


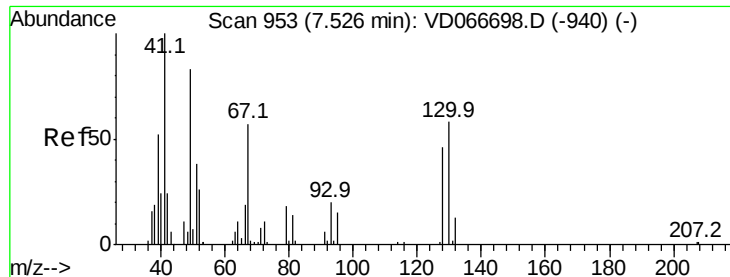
#40
Benzene
Concen: 19.703 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion: 78 Resp: 367181
Ion Ratio Lower Upper
78 100
77 23.0 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC

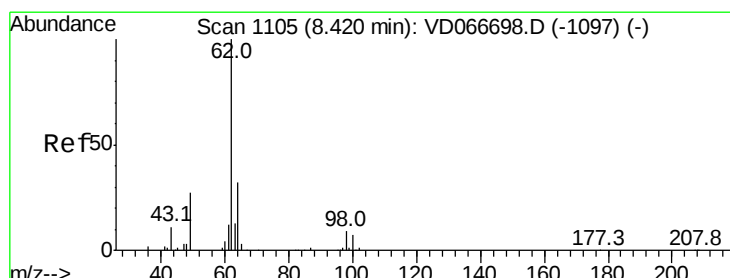
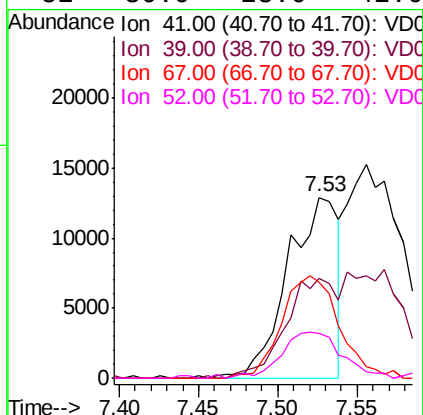
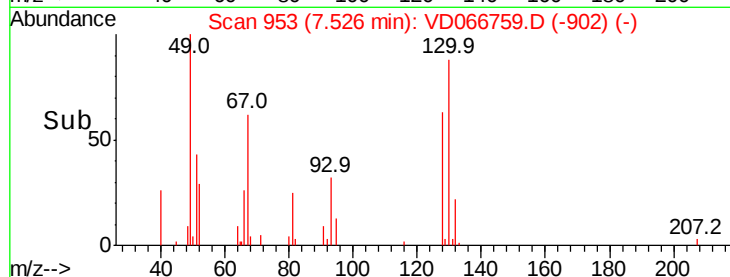
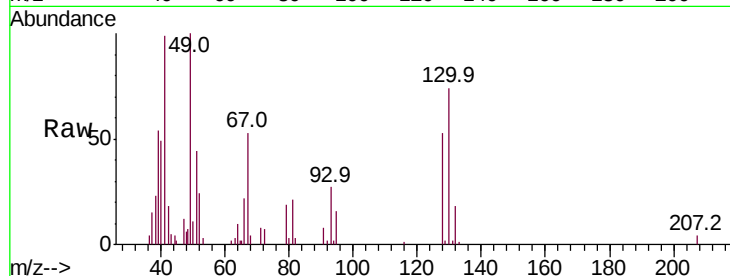




#41
Methacrylonitrile
Concen: 20.680 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

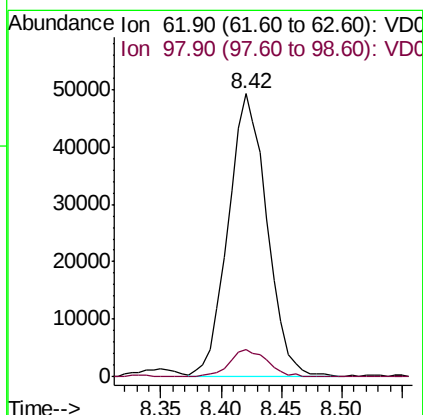
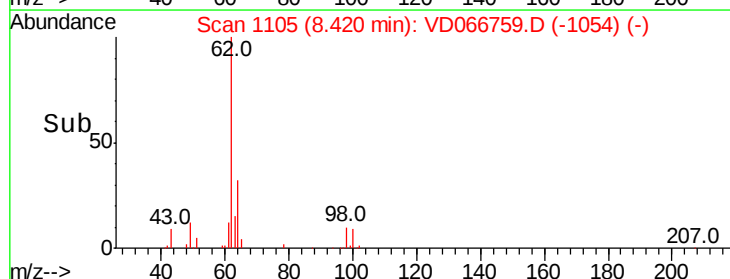
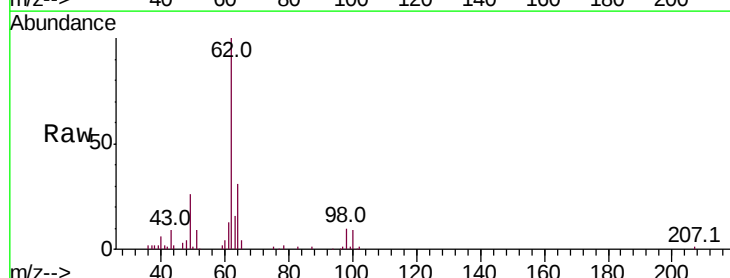
Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

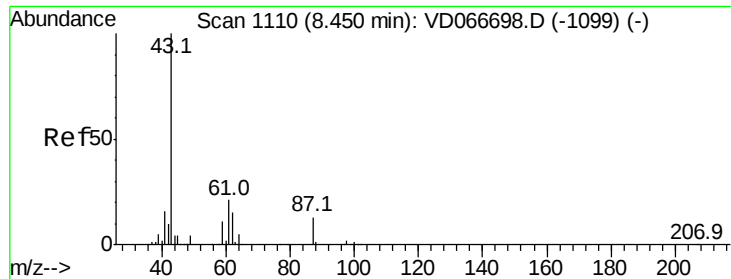
Tot Ion: 41 Resp: 28551
Ion Ratio Lower Upper
41 100
39 55.8 59.3 88.9#
67 64.7 62.3 93.5
52 30.9 28.0 42.0



#42
1,2-Dichloroethane
Concen: 19.066 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion: 62 Resp: 110081
Ion Ratio Lower Upper
62 100
98 9.3 0.0 17.6





#43

Isopropyl Acetate

Concen: 18.093 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

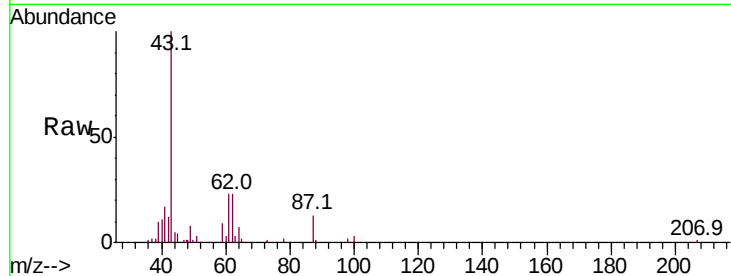
Tot Ion: 43 Resp: 88807

Ion Ratio Lower Upper

43 100

61 33.7 24.8 37.2

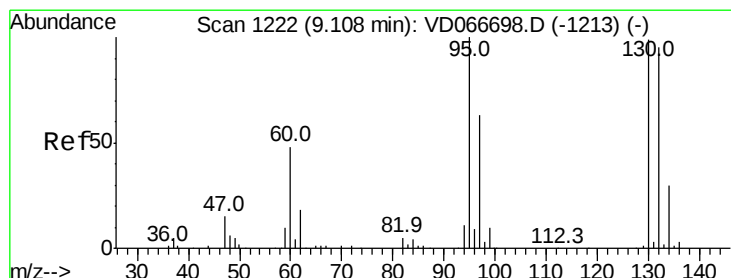
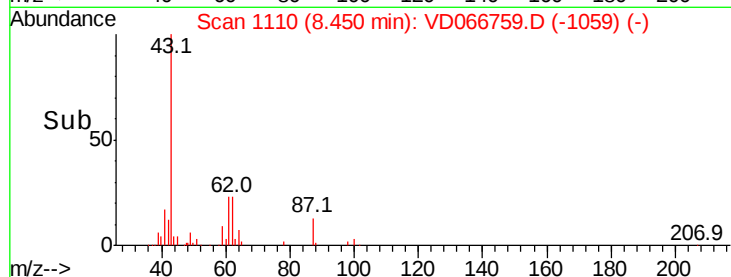
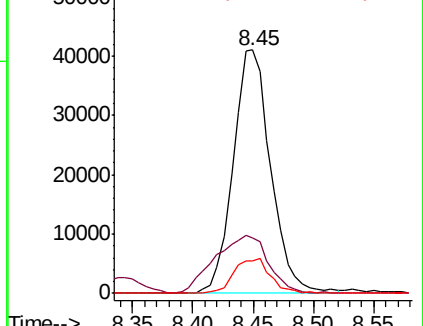
87 14.0 10.4 15.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 19.464 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD066759.D

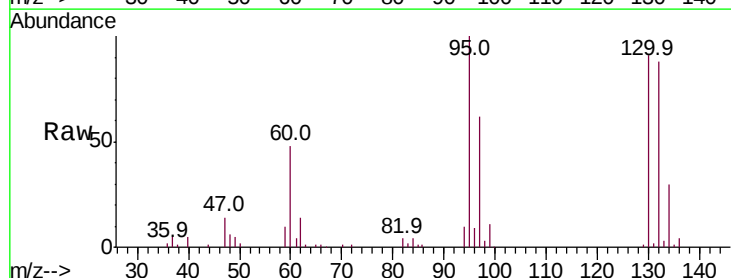
Acq: 18 Sep 2020 12:01

Tgt Ion:130 Resp: 96986

Ion Ratio Lower Upper

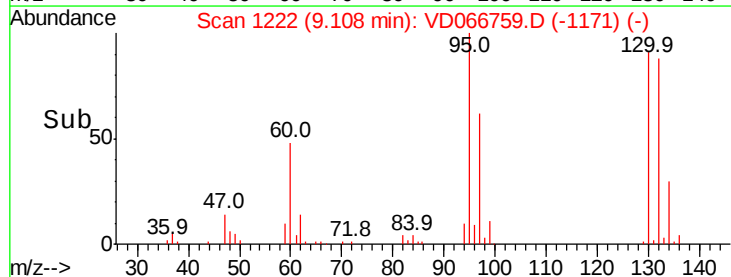
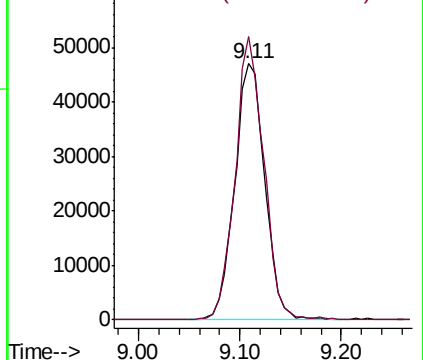
130 100

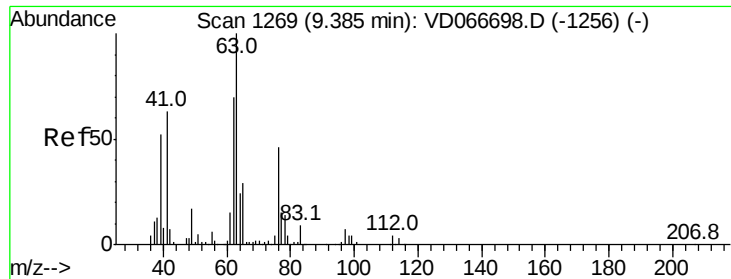
95 110.4 0.0 201.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

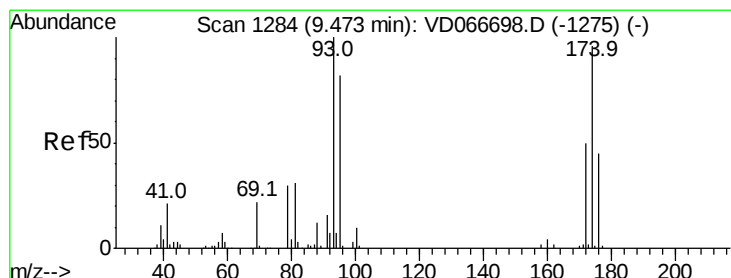
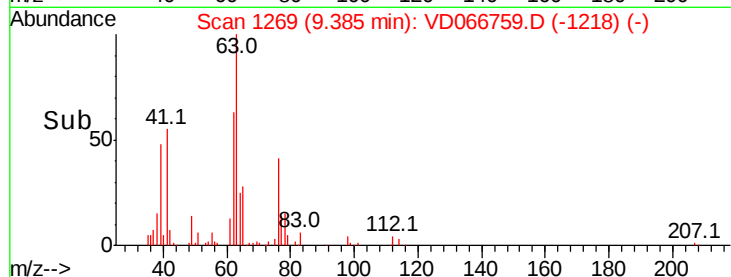
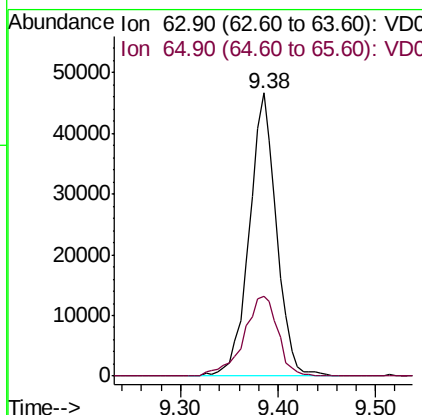
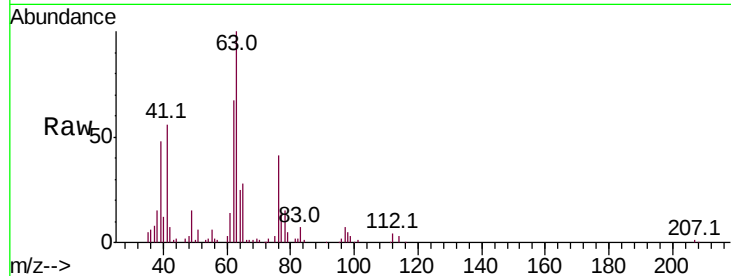




#45
 1,2-Dichloropropane
 Concen: 19.816 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD066759.D
 Acq: 18 Sep 2020 12:01

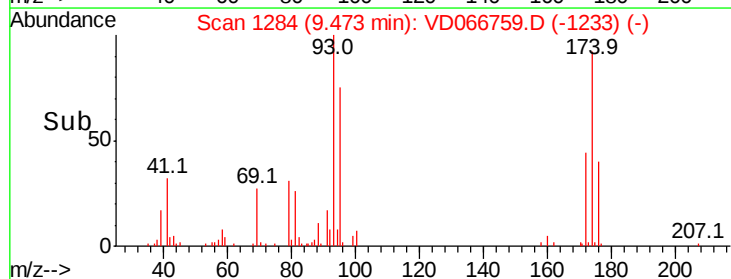
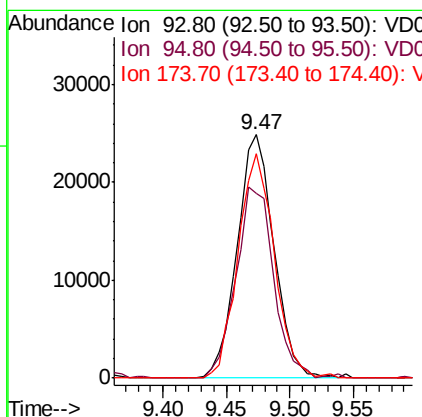
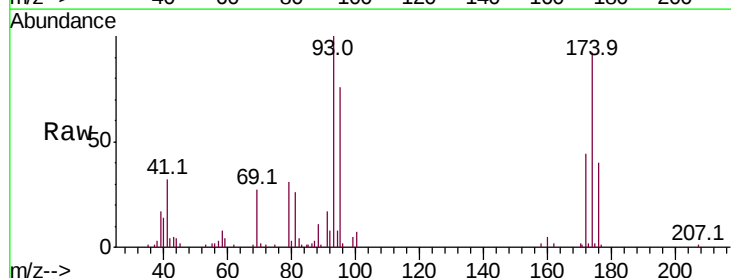
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

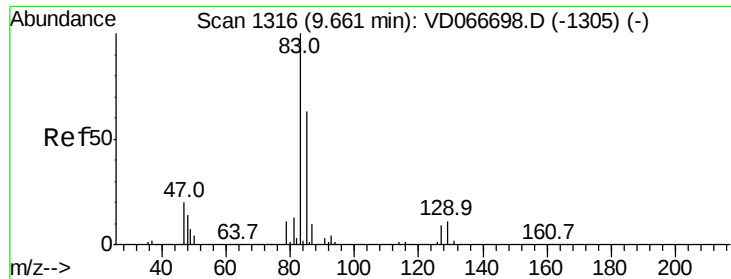
Tot Ion: 63 Resp: 91296
 Ion Ratio Lower Upper
 63 100
 65 28.3 23.4 35.0



#46
 Dibromomethane
 Concen: 19.777 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD066759.D
 Acq: 18 Sep 2020 12:01

Tgt Ion: 93 Resp: 50068
 Ion Ratio Lower Upper
 93 100
 95 80.5 66.0 99.0
 174 91.3 72.3 108.5





#47

Bromodichloromethane

Concen: 19.475 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

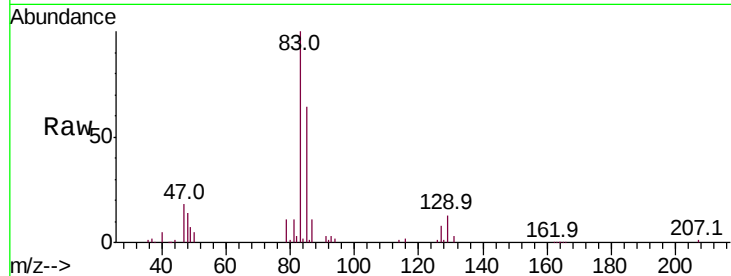
Tot Ion: 83 Resp: 134349

Ion Ratio Lower Upper

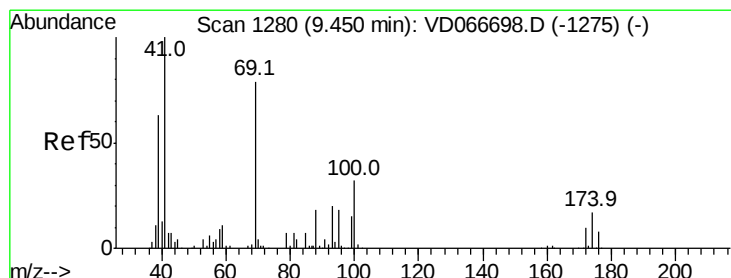
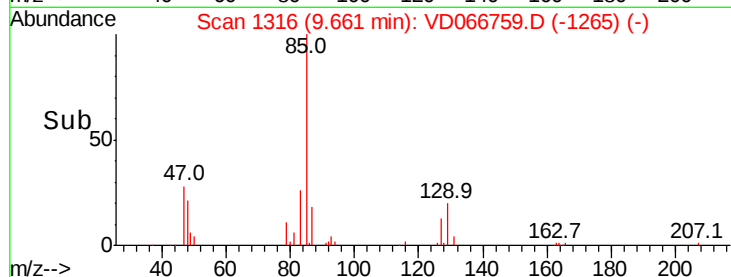
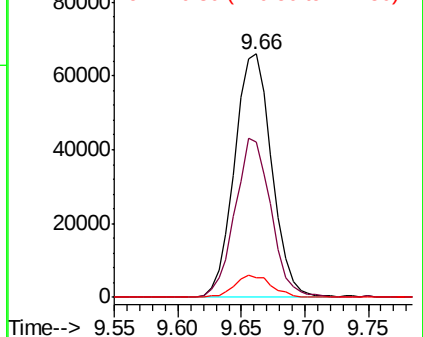
83 100

85 63.6 50.1 75.1

127 8.2 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 18.921 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.01 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

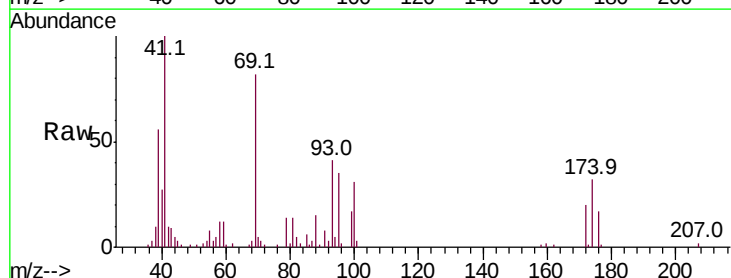
Tgt Ion: 41 Resp: 47241

Ion Ratio Lower Upper

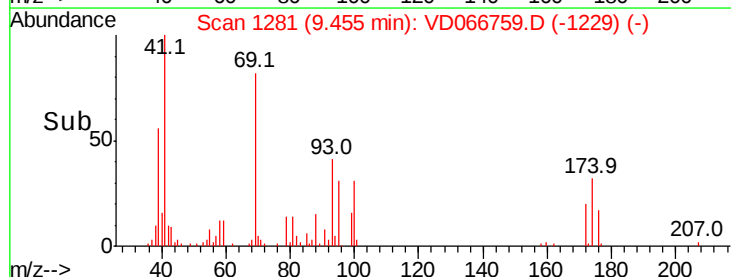
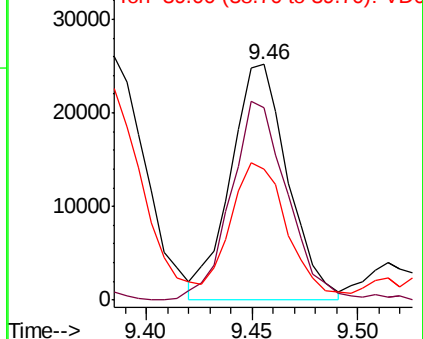
41 100

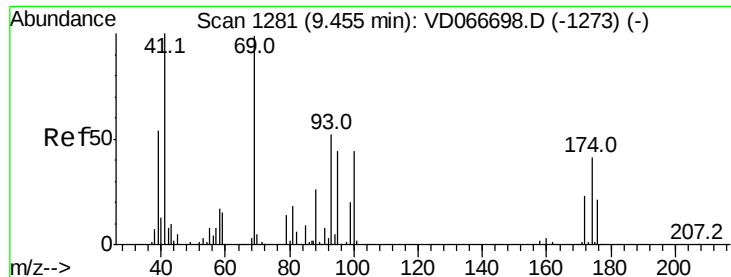
69 83.8 62.4 93.6

39 52.4 44.8 67.2



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

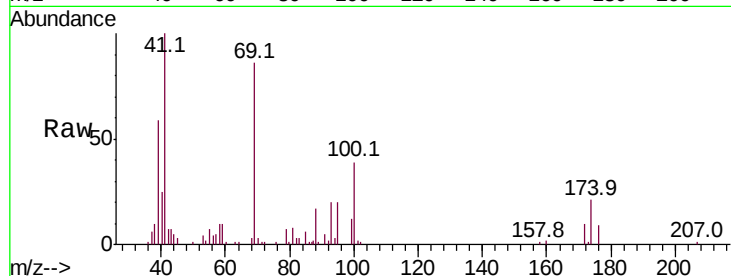




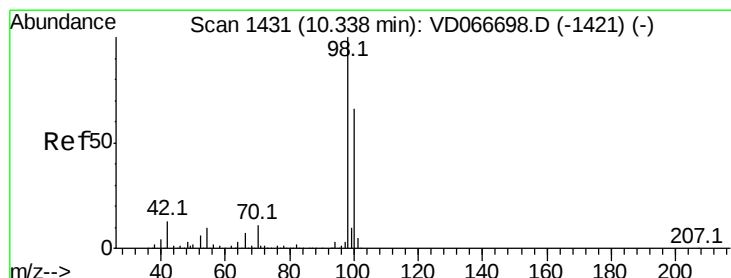
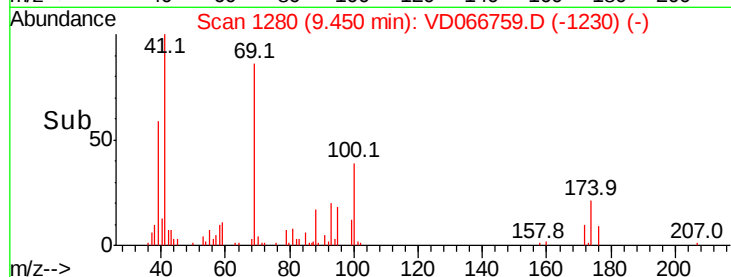
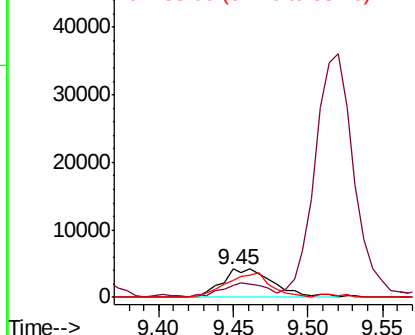
#49
1,4-Dioxane
Concen: 370.477 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion: 88 Resp: 10047
Ion Ratio Lower Upper
88 100
43 43.6 29.3 43.9
58 74.0 51.4 77.2

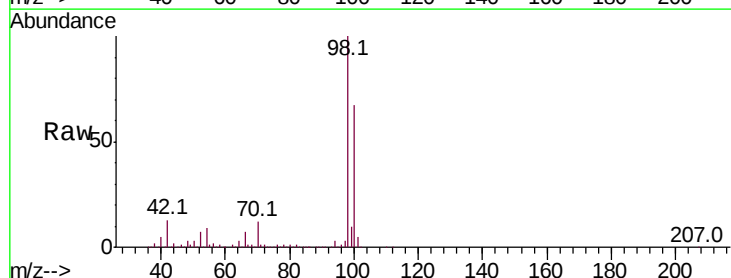


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

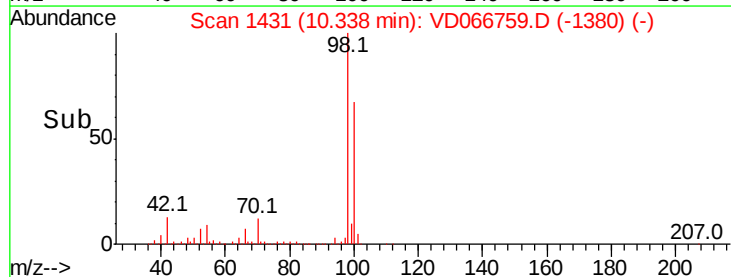
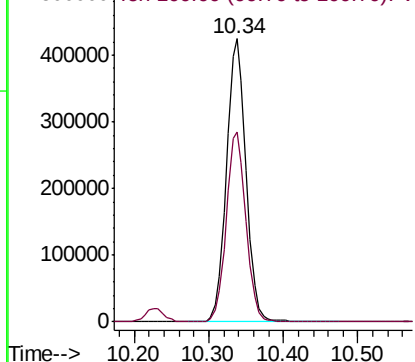


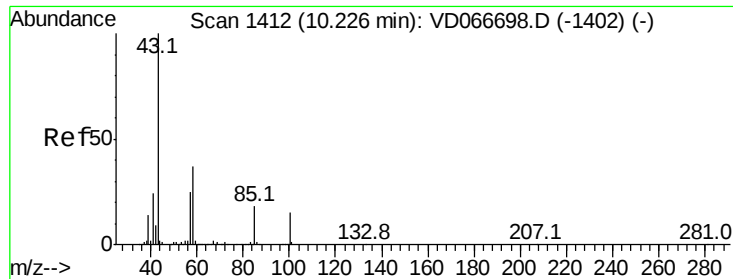
#50
Toluene-d8
Concen: 52.652 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion: 98 Resp: 770544
Ion Ratio Lower Upper
98 100
100 67.6 52.7 79.1



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: 91.013 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

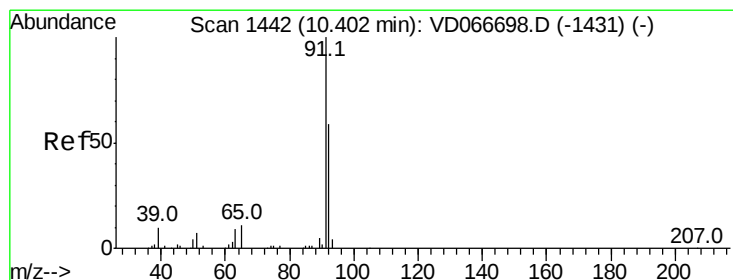
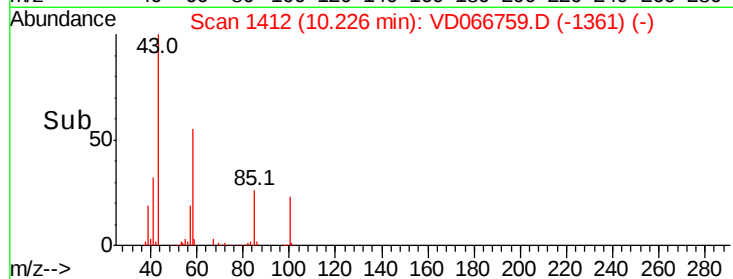
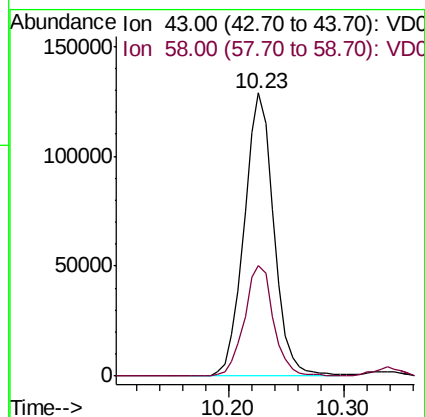
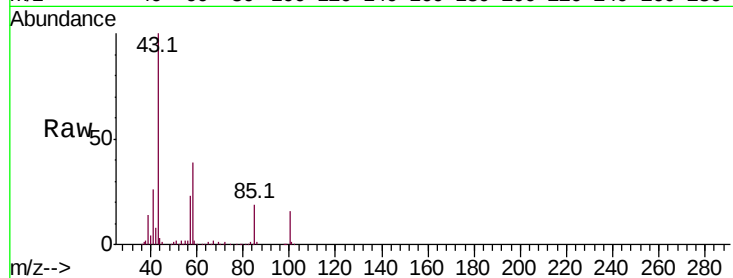
VD0918SBS01

Tot Ion: 43 Resp: 229993

Ion Ratio Lower Upper

43 100

58 38.4 30.4 45.6



#52

Toluene

Concen: 20.170 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066759.D

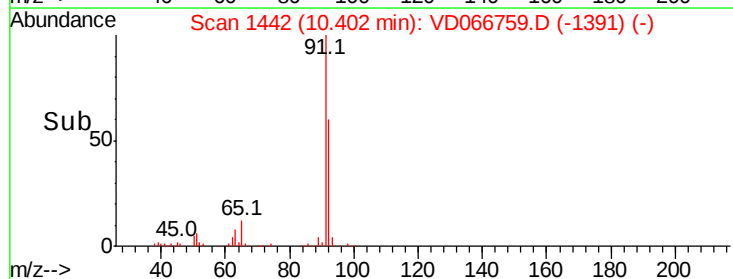
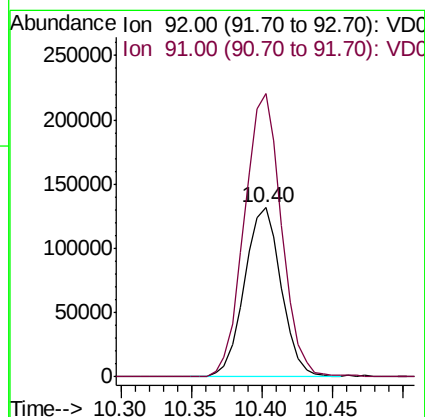
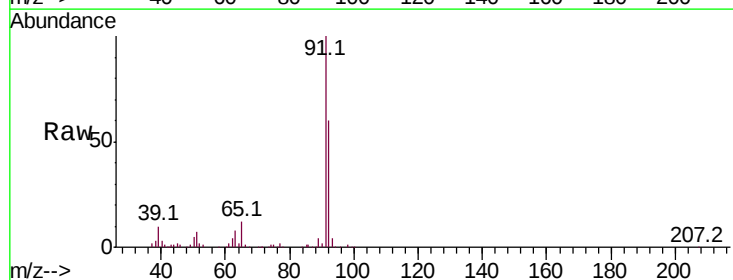
Acq: 18 Sep 2020 12:01

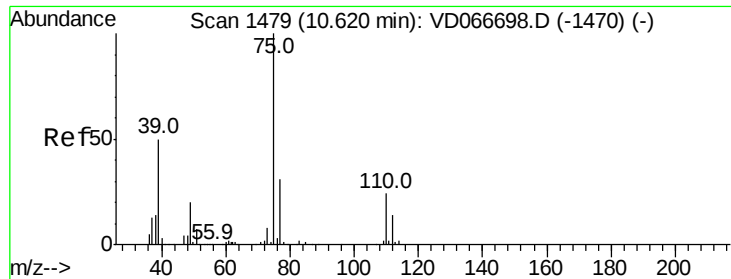
Tgt Ion: 92 Resp: 240804

Ion Ratio Lower Upper

92 100

91 169.4 135.8 203.8





#53

t-1,3-Dichloropropene

Concen: 19.084 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

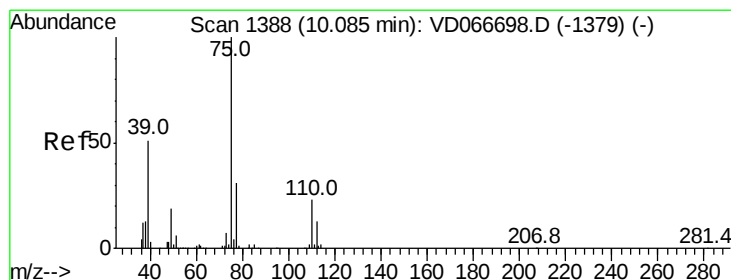
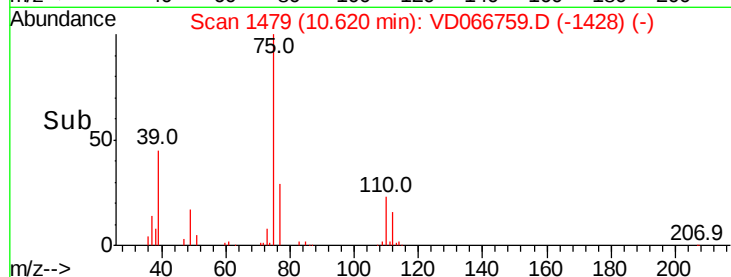
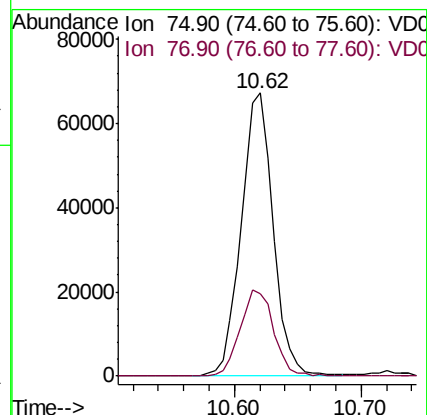
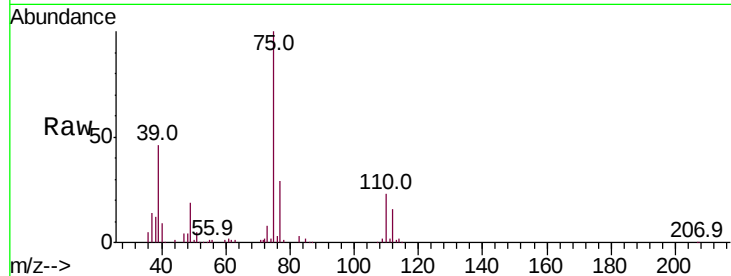
VD0918SBS01

Tot Ion: 75 Resp: 117610

Ion Ratio Lower Upper

75 100

77 29.1 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 19.449 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

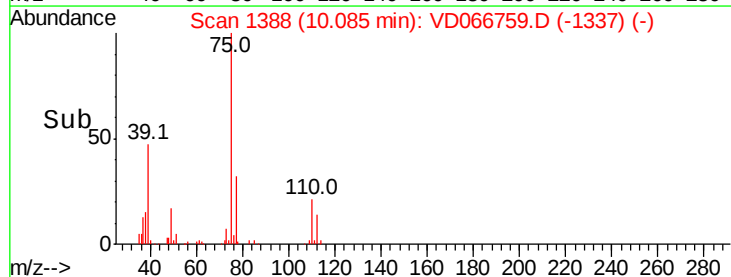
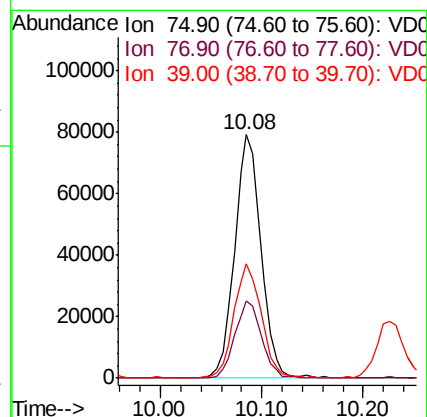
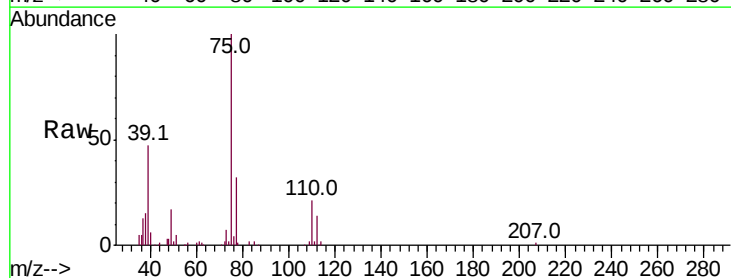
Tgt Ion: 75 Resp: 142364

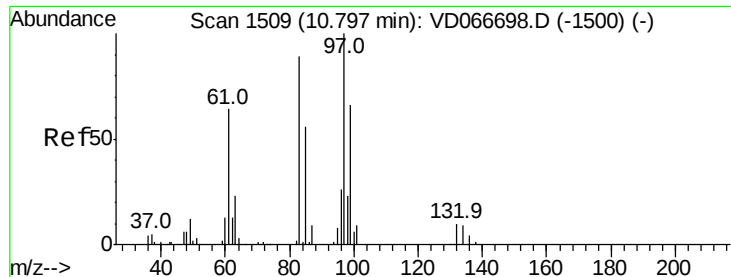
Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.6

39 46.7 40.6 61.0





#55

1,1,2-Trichloroethane

Concen: 19.729 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

Tot Ion: 97 Resp: 65855

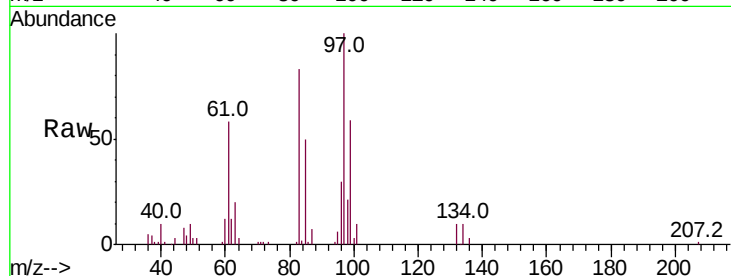
Ion Ratio Lower Upper

97 100

83 83.3 71.4 107.2

85 50.6 44.7 67.1

99 59.2 52.4 78.6

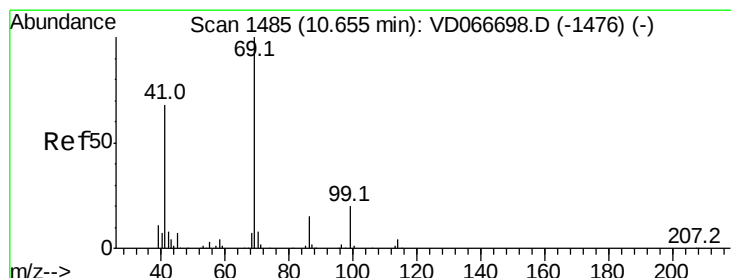
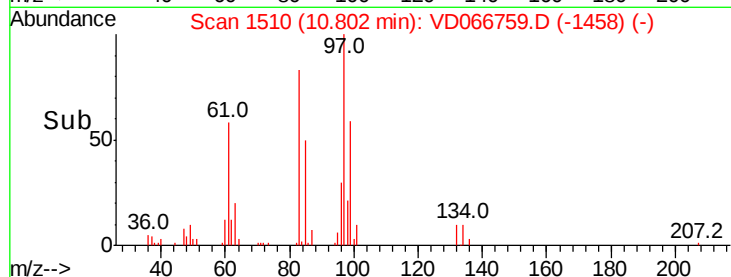
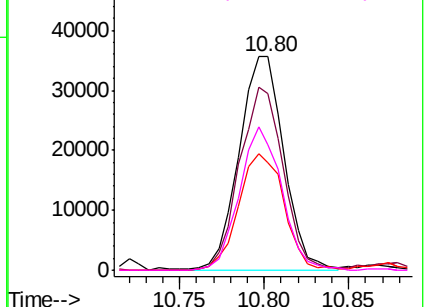


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 18.241 ug/l

RT: 10.66 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

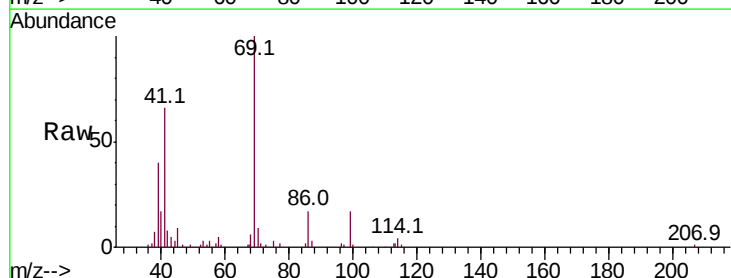
Tgt Ion: 69 Resp: 69096

Ion Ratio Lower Upper

69 100

41 66.8 55.5 83.3

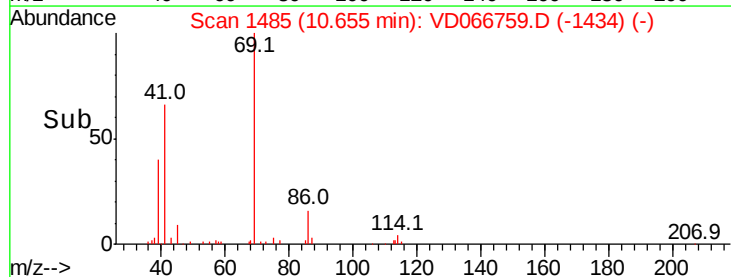
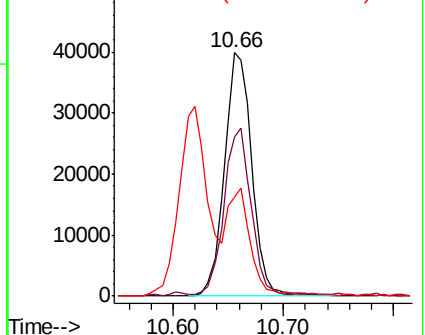
39 36.3 29.7 44.5

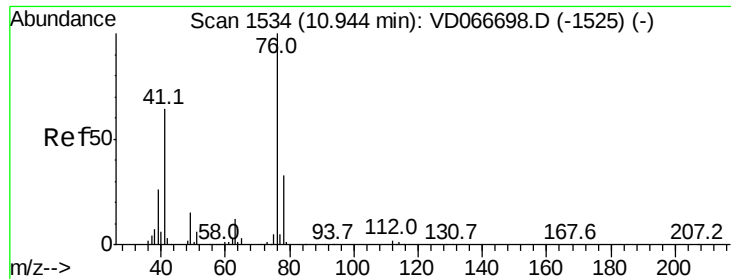


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 19.041 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

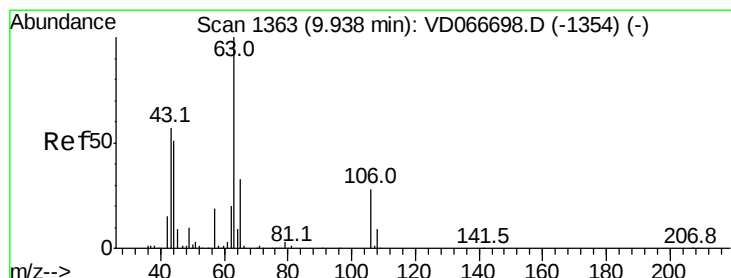
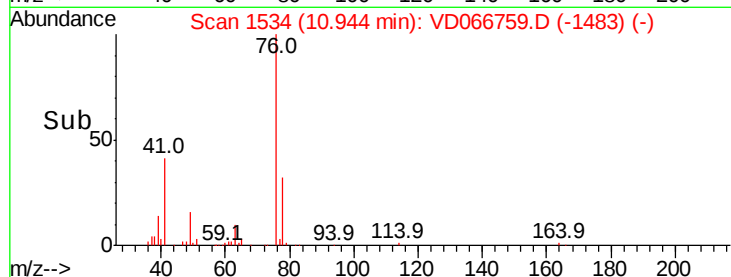
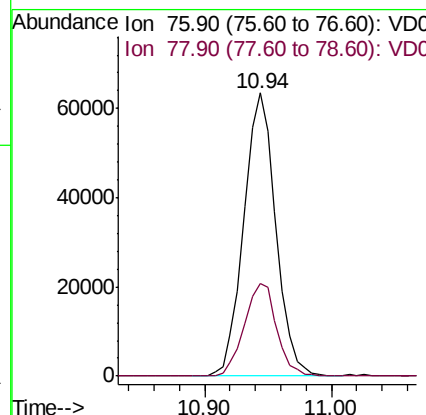
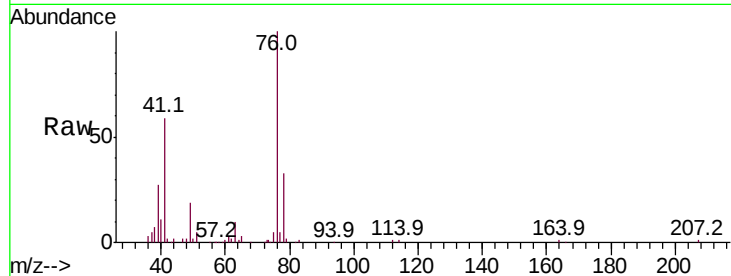
Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion: 76 Resp: 111540

Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.2	39.2



#58

2-Chloroethyl Vinyl ether

Concen: 118.053 ug/l

RT: 9.94 min Scan# 1363

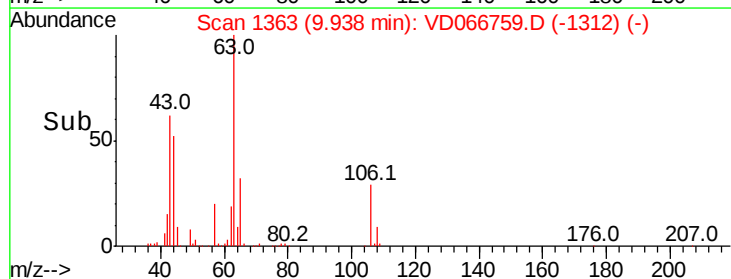
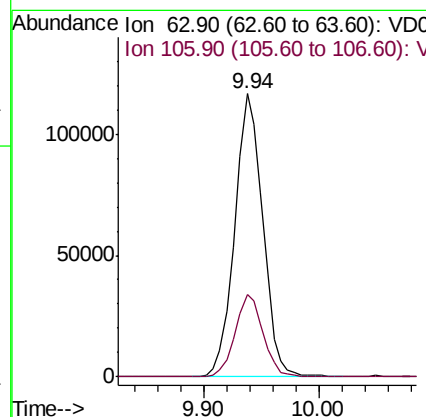
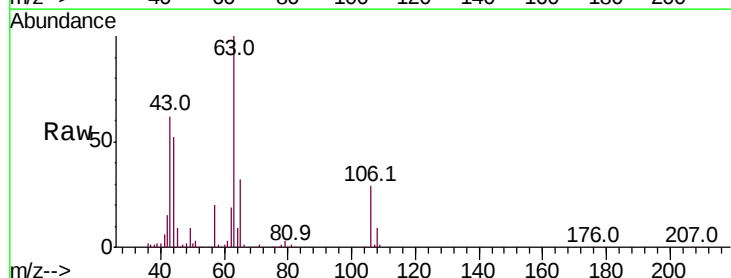
Delta R.T. 0.00 min

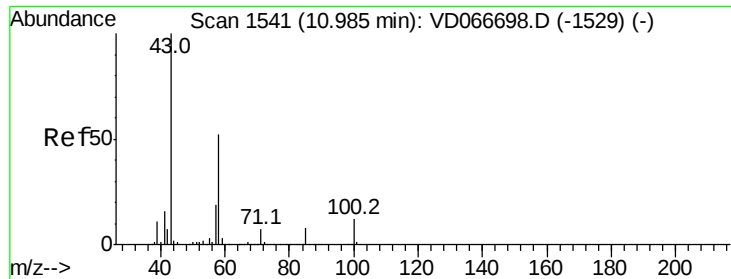
Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Tgt Ion: 63 Resp: 196395

Ion	Ratio	Lower	Upper
63	100		
106	28.9	22.2	33.4

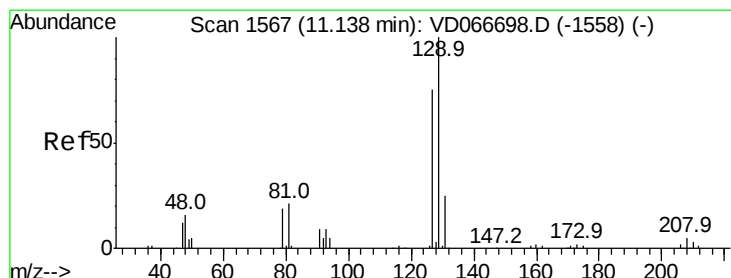
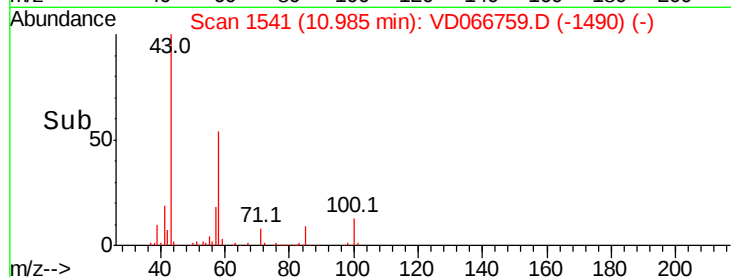
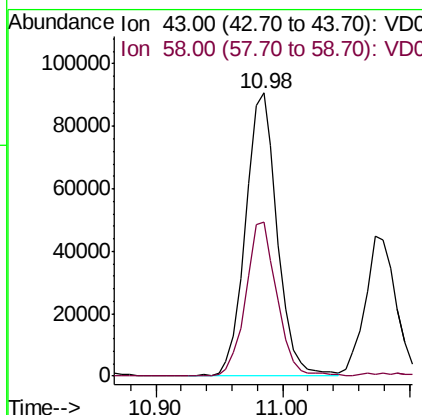
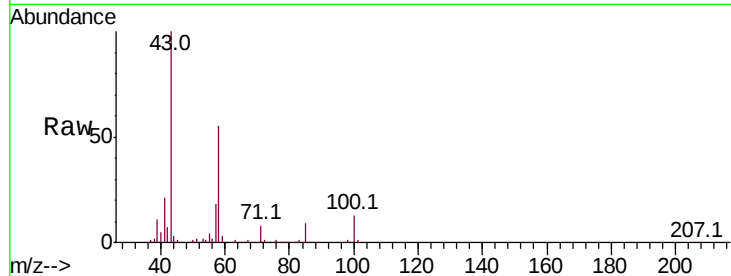




#59
2-Hexanone
Concen: 93.029 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

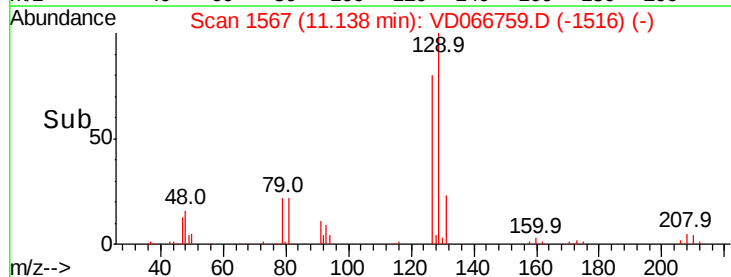
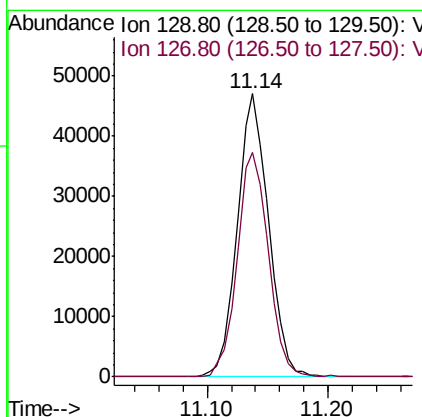
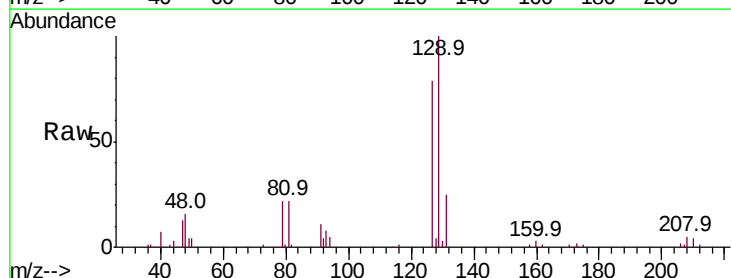
Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

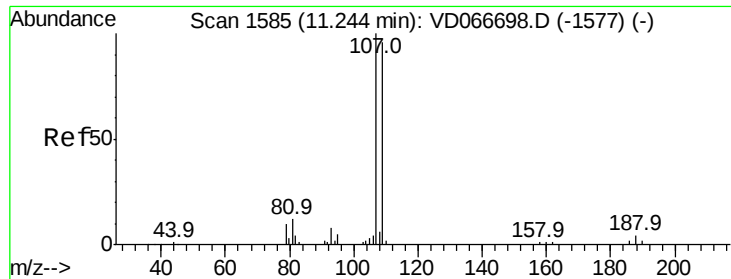
Tot Ion: 43 Resp: 157959
Ion Ratio Lower Upper
43 100
58 53.5 26.2 78.5



#60
Dibromochloromethane
Concen: 19.465 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion: 129 Resp: 84661
Ion Ratio Lower Upper
129 100
127 79.2 38.1 114.3

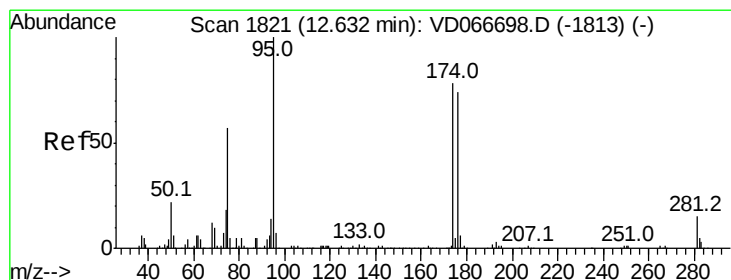
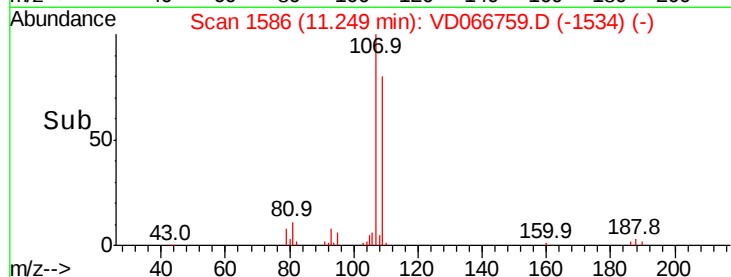
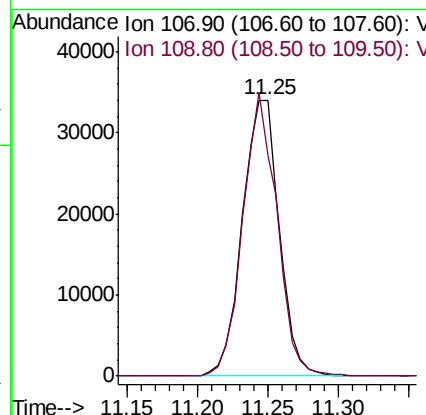
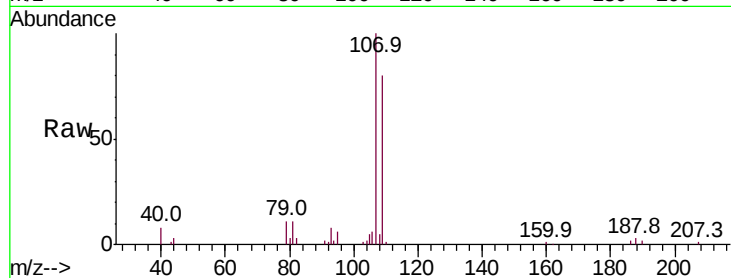




#61
 1,2-Dibromoethane
 Concen: 19.449 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD066759.D
 Acq: 18 Sep 2020 12:01

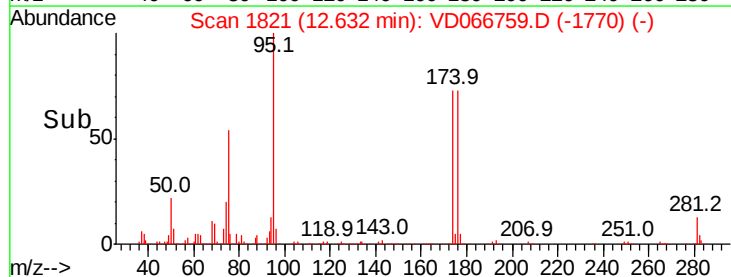
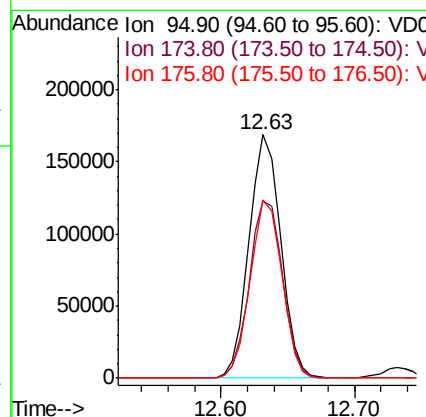
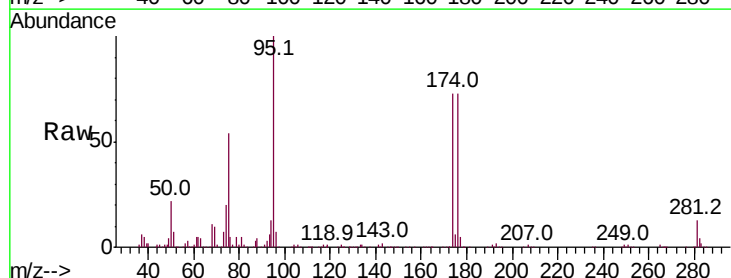
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

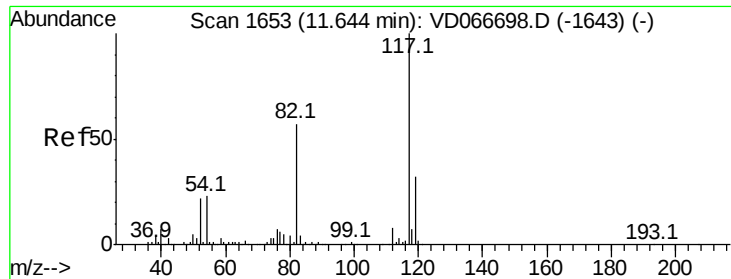
Tot Ion:107 Resp: 62274
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 54.846 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066759.D
 Acq: 18 Sep 2020 12:01

Tgt Ion: 95 Resp: 277067
 Ion Ratio Lower Upper
 95 100
 174 76.1 0.0 156.6
 176 73.5 0.0 150.2

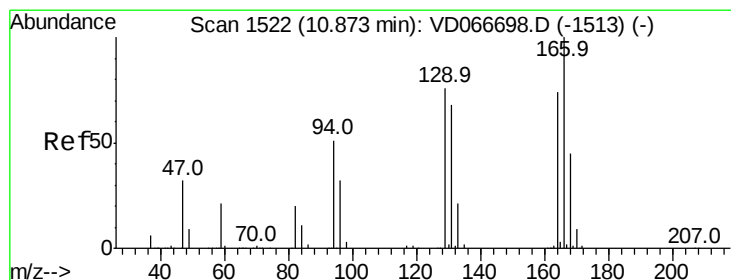
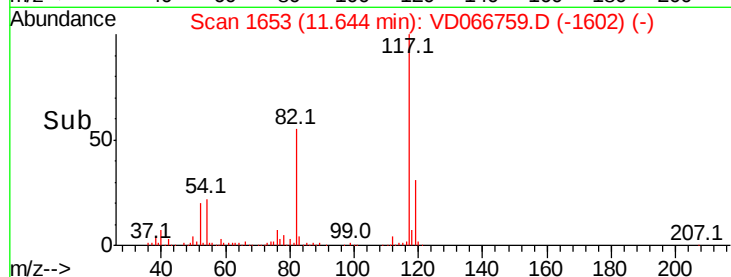
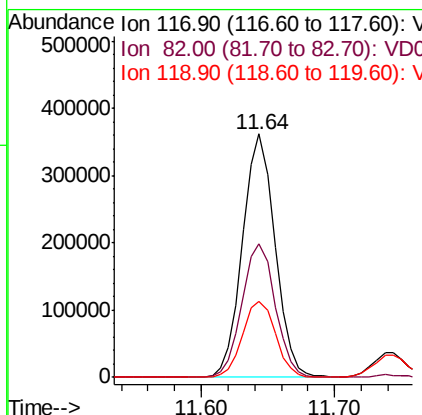
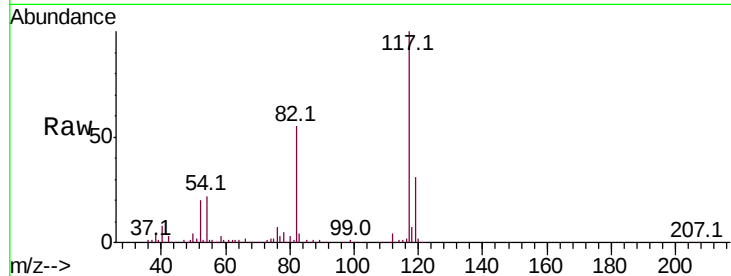




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

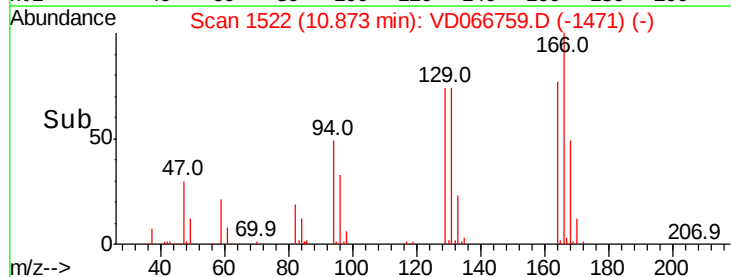
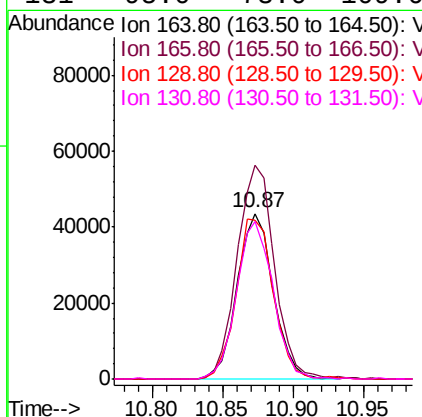
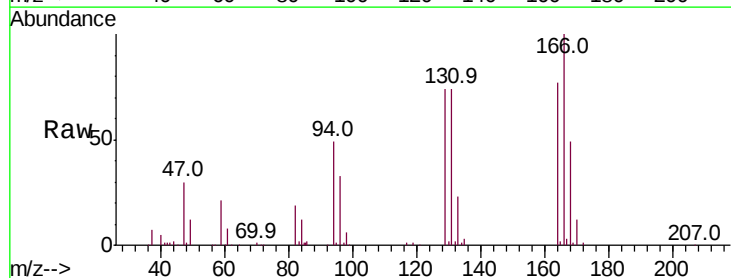
Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

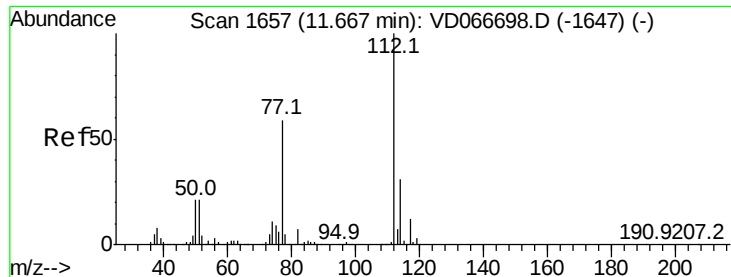
Tot Ion:117 Resp: 609747
Ion Ratio Lower Upper
117 100
82 54.8 45.4 68.0
119 31.2 25.8 38.6



#64
Tetrachloroethene
Concen: 18.786 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion:164 Resp: 78195
Ion Ratio Lower Upper
164 100
166 129.2 107.5 161.3
129 96.0 81.4 122.0
131 95.0 73.0 109.6





#65

Chlorobenzene

Concen: 19.333 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

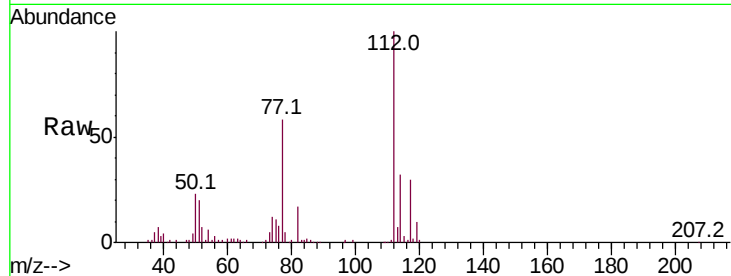
VD0918SBS01

Tot Ion:112 Resp: 244068

Ion Ratio Lower Upper

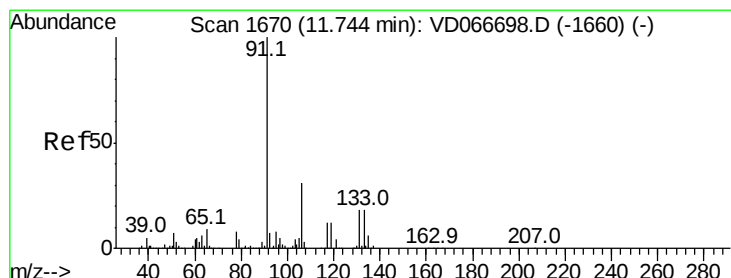
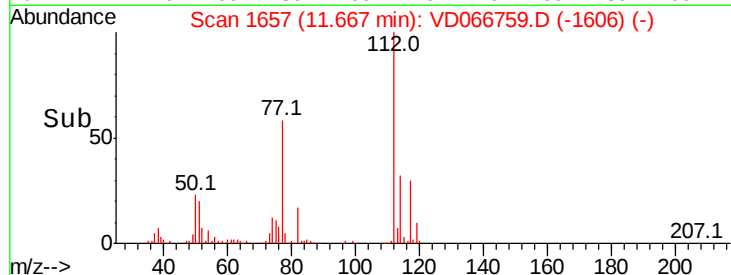
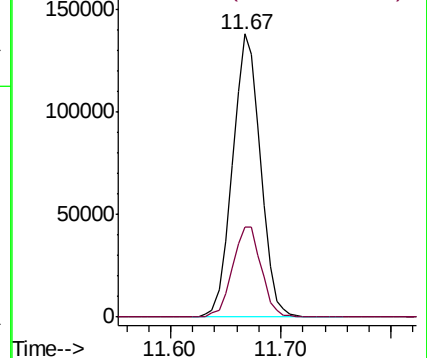
112 100

114 31.7 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.692 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

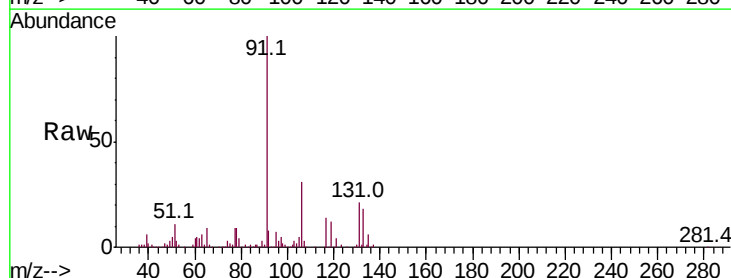
Tgt Ion:131 Resp: 91724

Ion Ratio Lower Upper

131 100

133 95.3 47.8 143.3

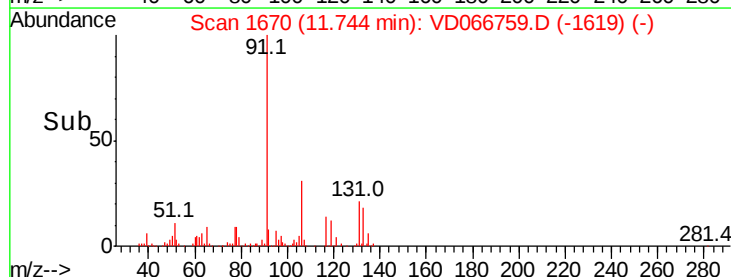
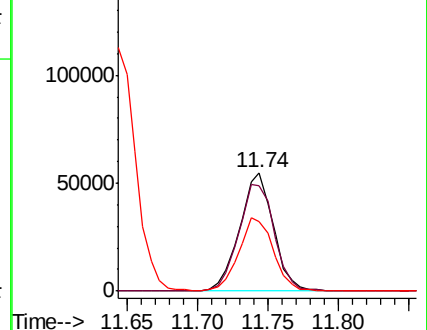
119 63.6 33.6 100.8

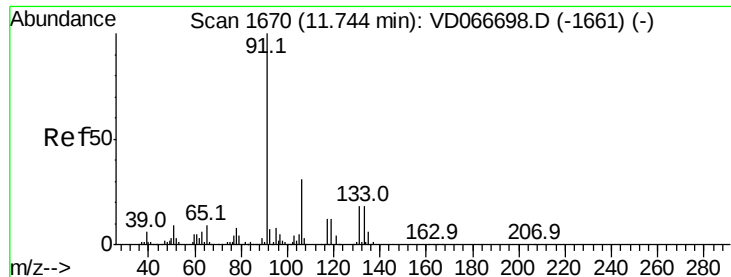


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.103 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

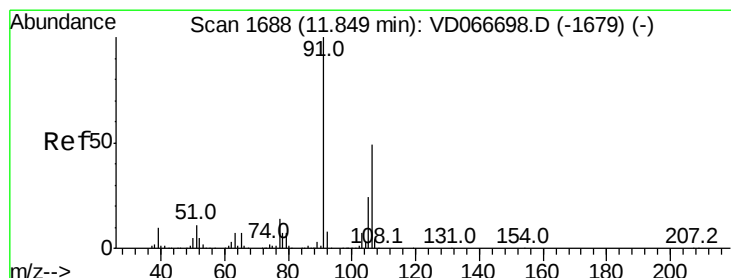
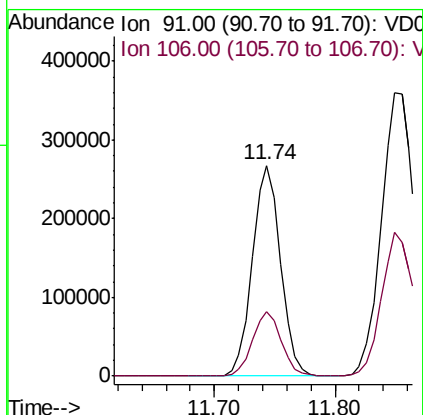
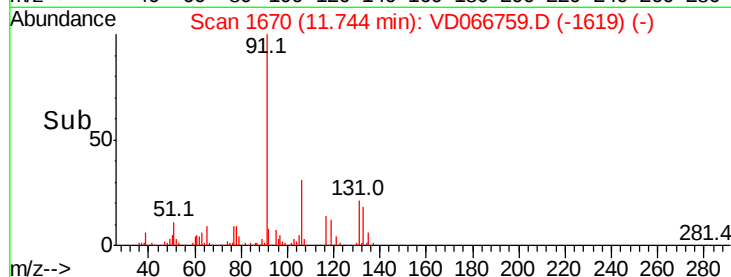
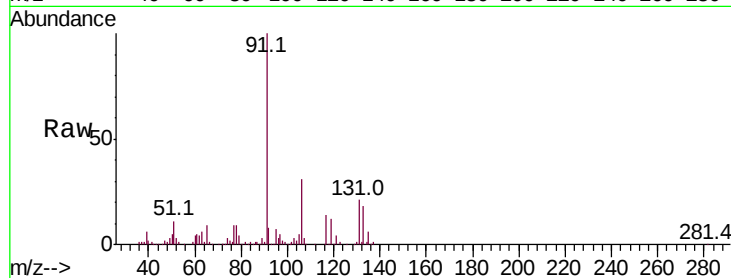
VD0918SBS01

Tot Ion: 91 Resp: 436817

Ion Ratio Lower Upper

91 100

106 30.9 25.1 37.7



#68

m/p-Xylenes

Concen: 39.694 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VD066759.D

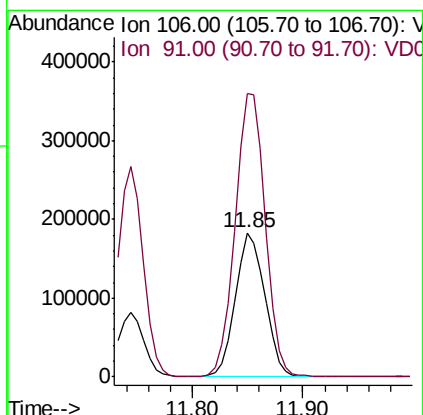
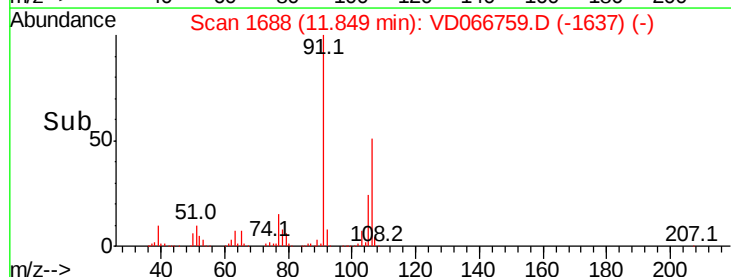
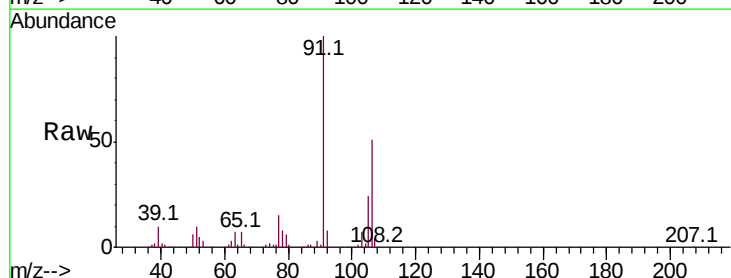
Acq: 18 Sep 2020 12:01

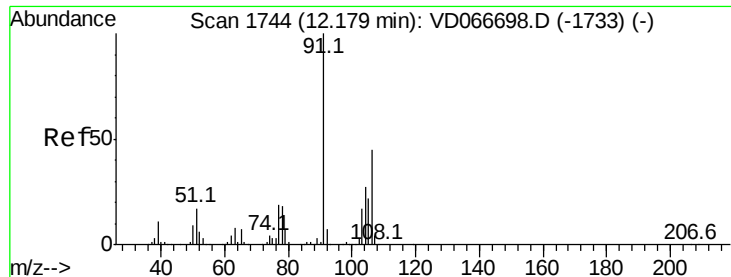
Tgt Ion: 106 Resp: 343055

Ion Ratio Lower Upper

106 100

91 201.0 164.8 247.2

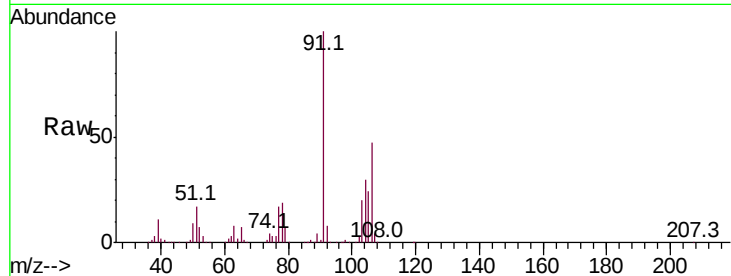




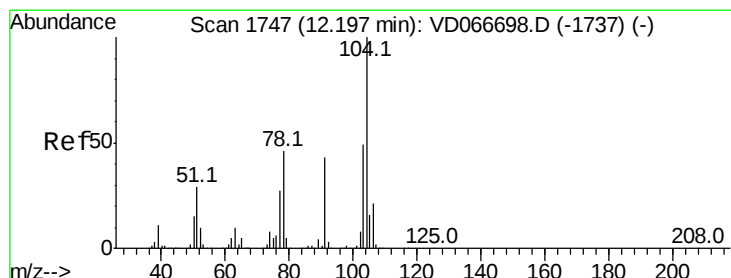
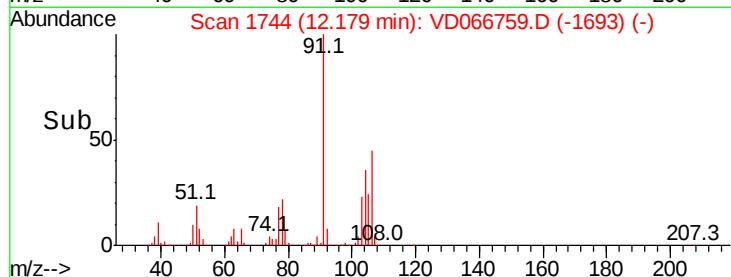
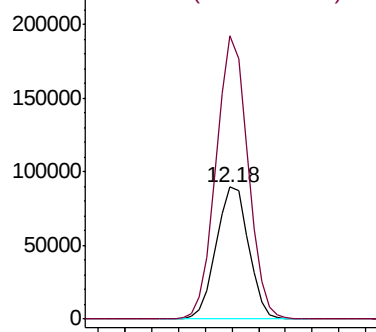
#69
o-Xylene
Concen: 19.720 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

Tot Ion:106 Resp: 150604
Ion Ratio Lower Upper
106 100
91 211.0 109.4 328.2

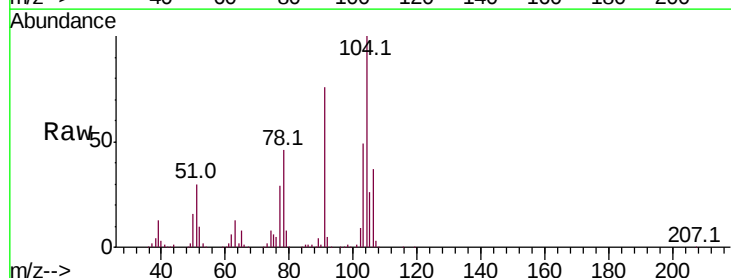


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

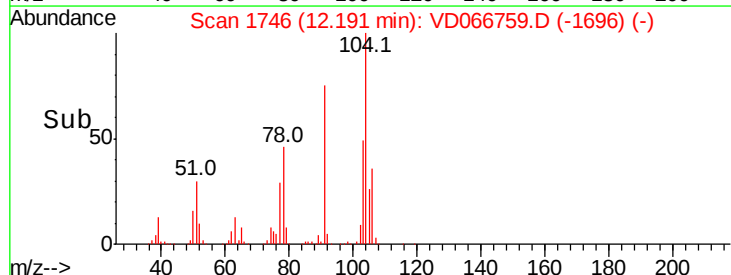
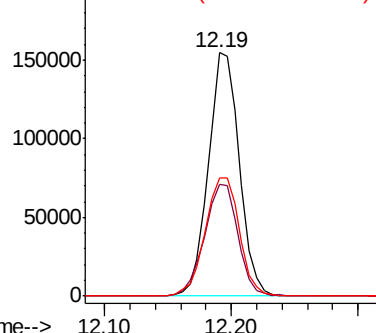


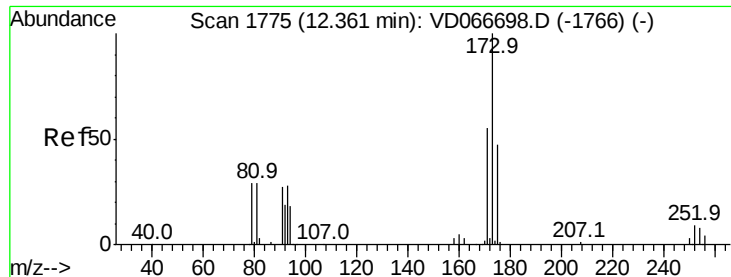
#70
Styrene
Concen: 19.464 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion:104 Resp: 261639
Ion Ratio Lower Upper
104 100
78 49.7 40.2 60.4
103 53.8 42.5 63.7



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





#71

Bromoform

Concen: 19.055 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

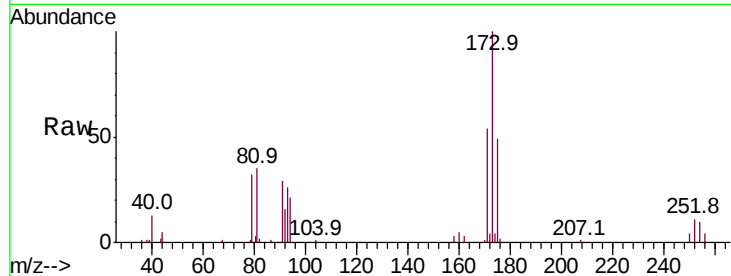
Tot Ion:173 Resp: 44544

Ion Ratio Lower Upper

173 100

175 49.9 24.3 72.8

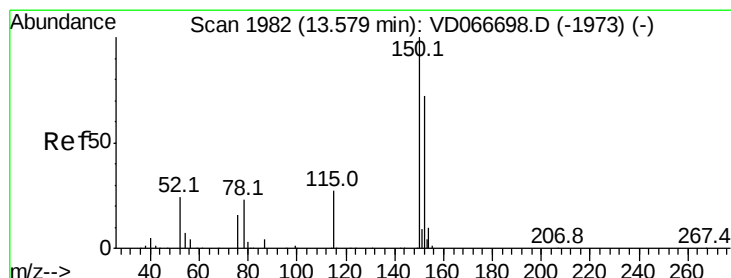
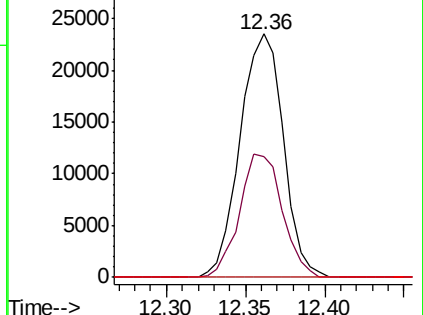
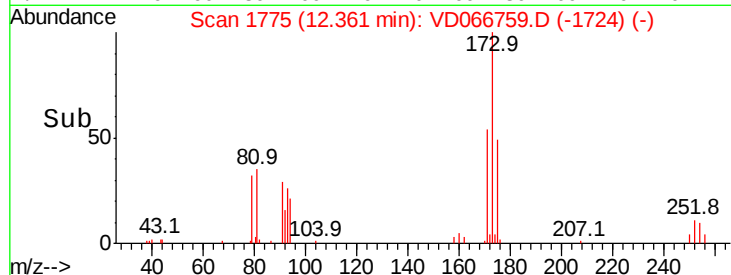
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

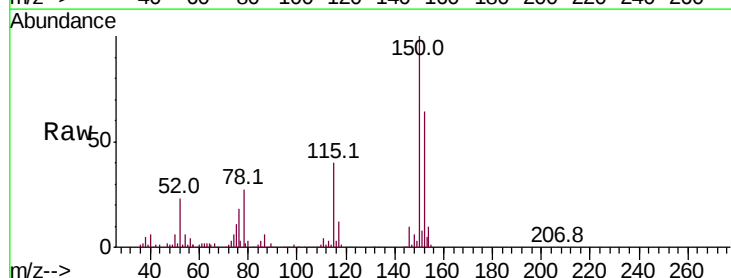
Tgt Ion:152 Resp: 286550

Ion Ratio Lower Upper

152 100

115 62.1 30.5 91.5

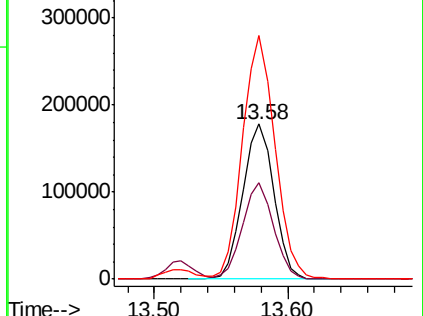
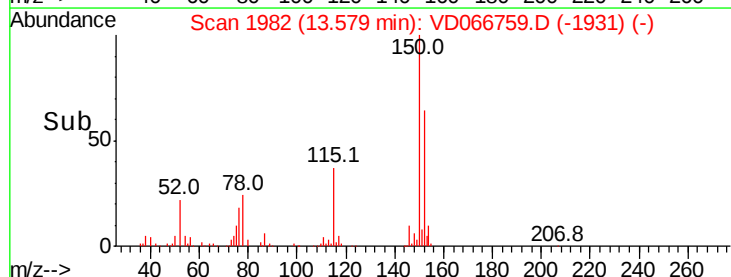
150 164.1 0.0 344.6

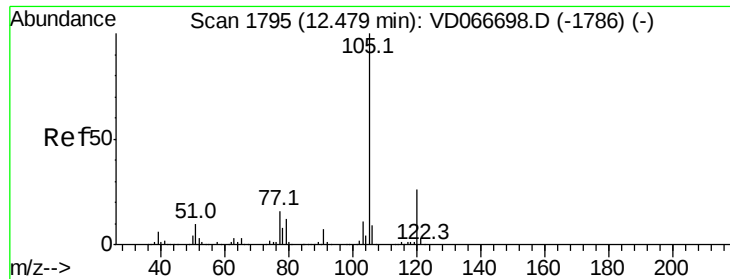


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.530 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

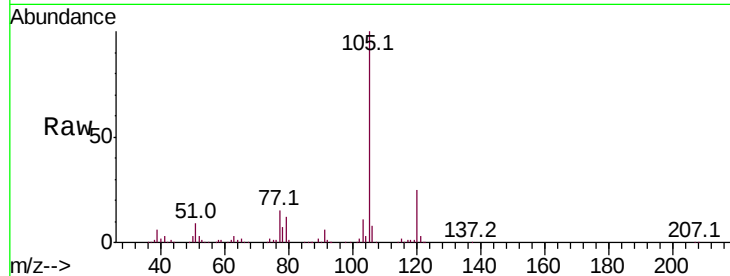
VD0918SBS01

Tot Ion:105 Resp: 417780

Ion Ratio Lower Upper

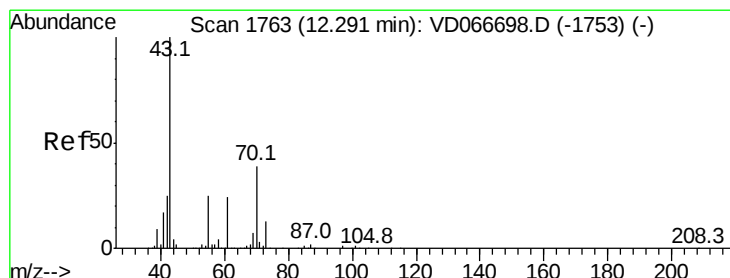
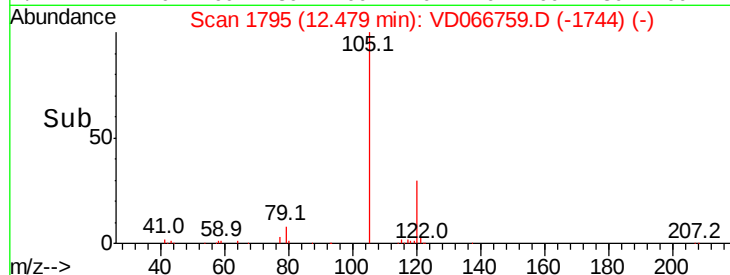
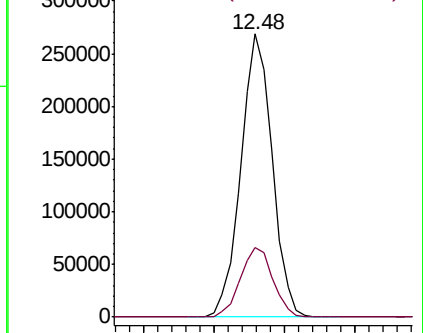
105 100

120 25.5 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.705 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Tgt Ion: 43 Resp: 79895

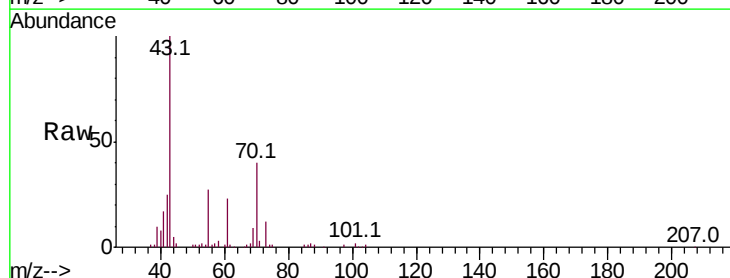
Ion Ratio Lower Upper

43 100

70 42.3 33.0 49.4

55 29.8 20.6 30.8

61 24.7 19.1 28.7

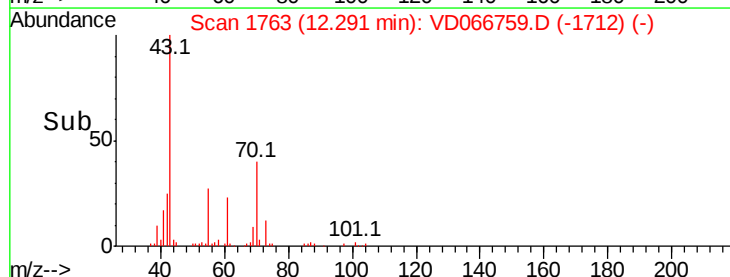
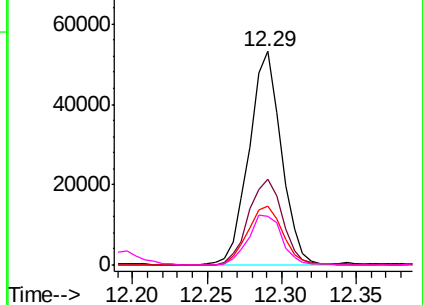


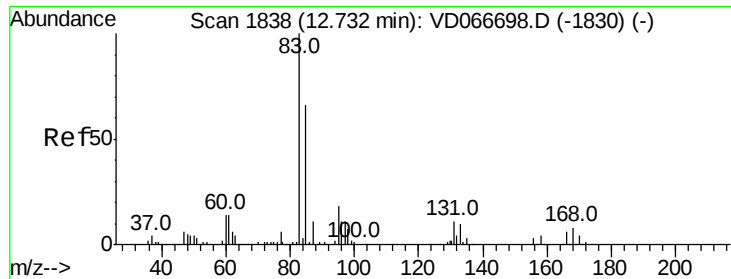
Abundance Ion 43.00 (42.70 to 43.70): V

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: 19.554 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

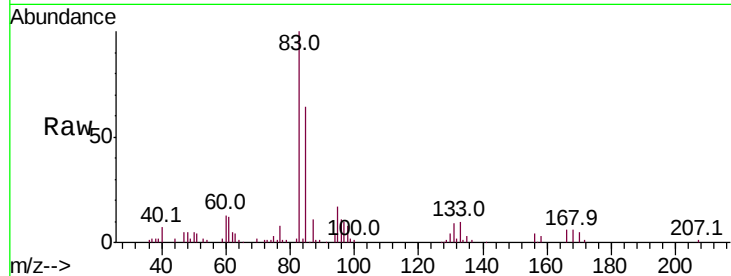
Tot Ion: 83 Resp: 71078

Ion Ratio Lower Upper

83 100

131 11.3 5.8 17.3

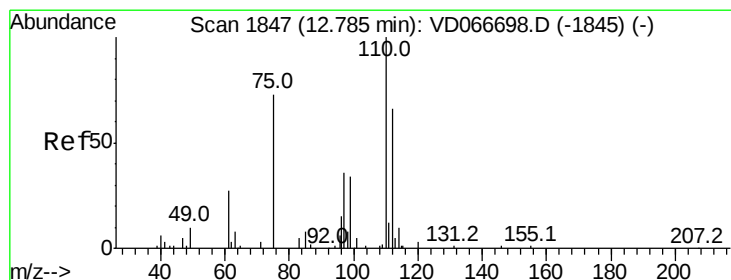
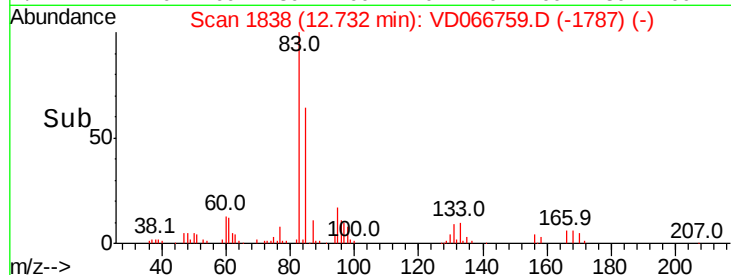
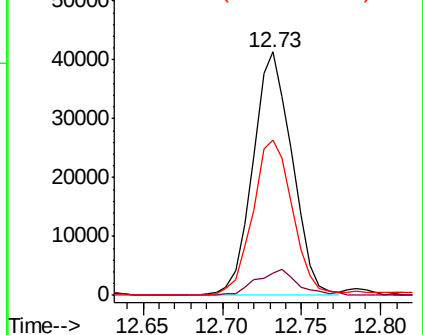
85 65.1 33.3 99.8



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: 37.216 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066759.D

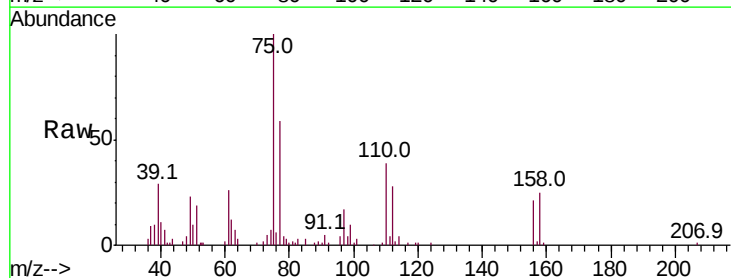
Acq: 18 Sep 2020 12:01

Tgt Ion: 75 Resp: 91282

Ion Ratio Lower Upper

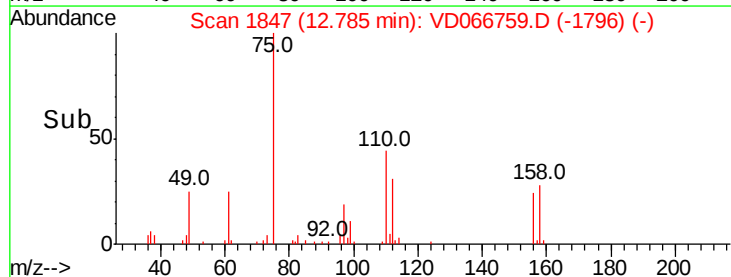
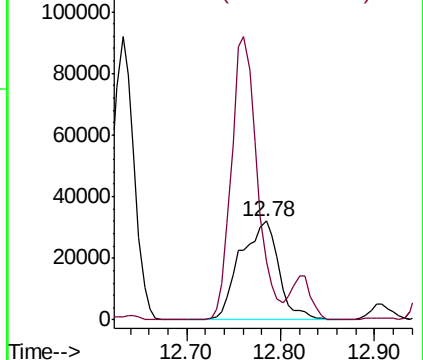
75 100

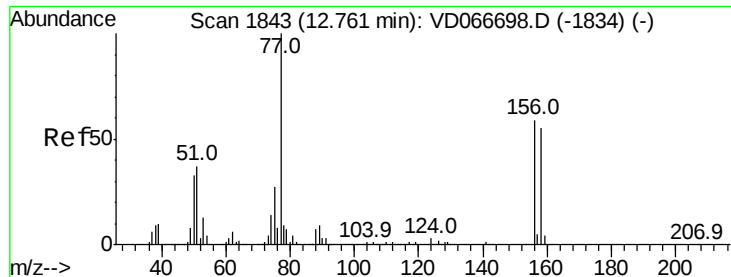
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 18.918 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

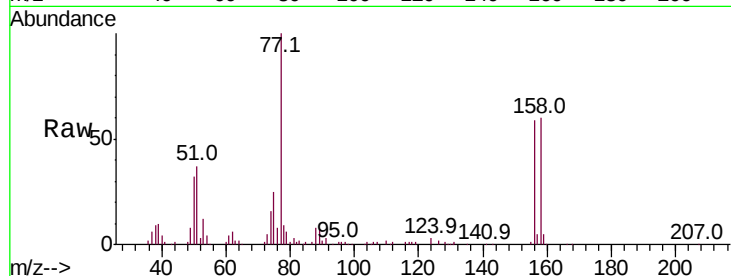
Tot Ion:156 Resp: 93273

Ion Ratio Lower Upper

156 100

77 189.1 95.8 287.3

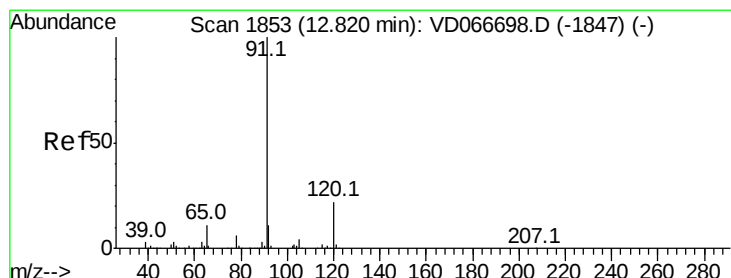
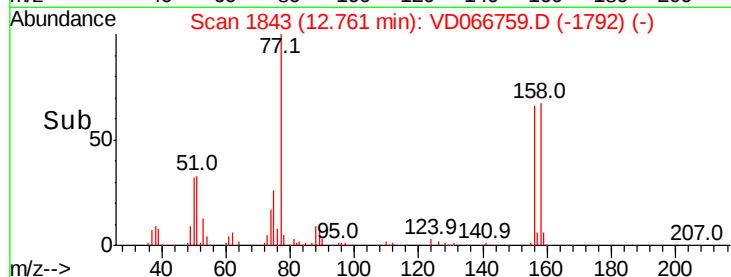
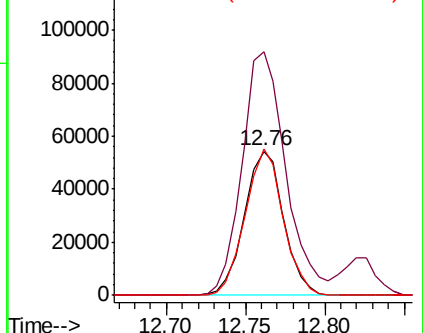
158 98.2 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.616 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066759.D

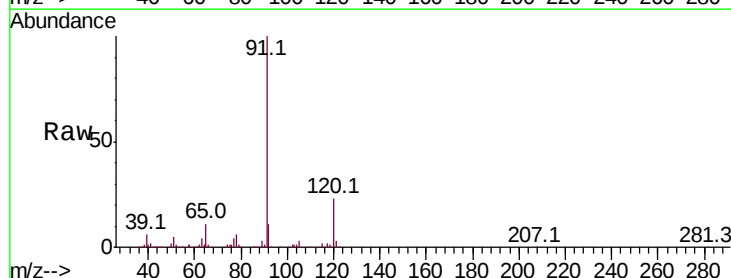
Acq: 18 Sep 2020 12:01

Tgt Ion: 91 Resp: 511512

Ion Ratio Lower Upper

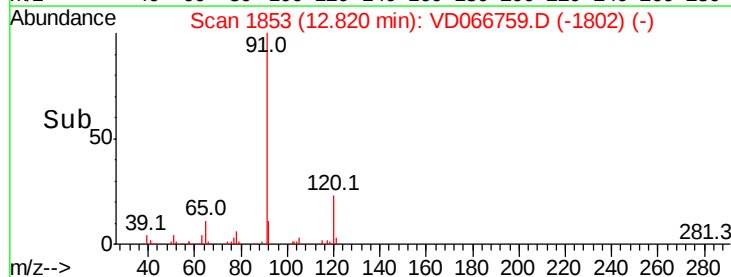
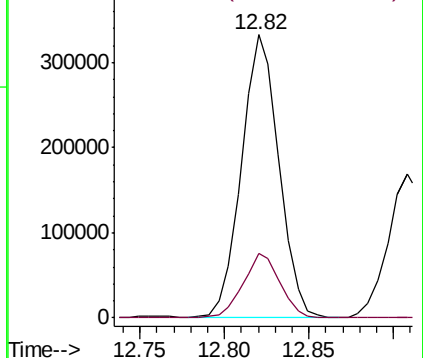
91 100

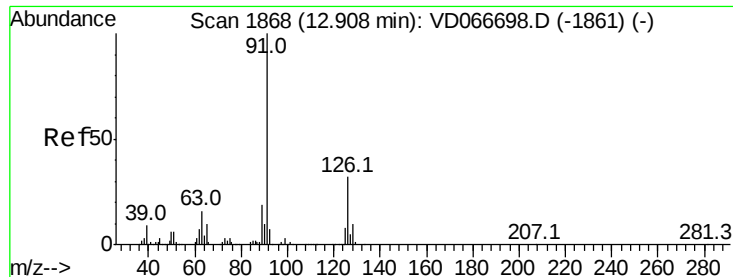
120 22.6 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

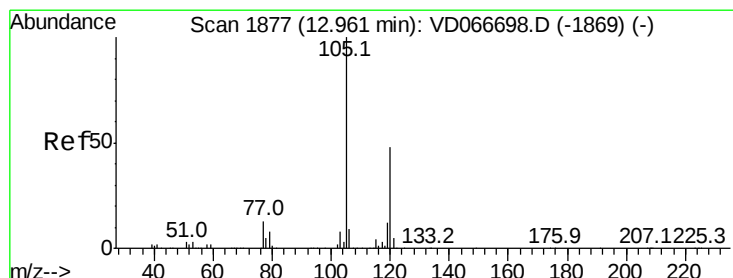
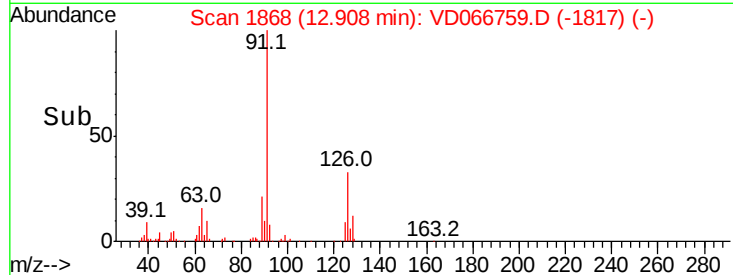
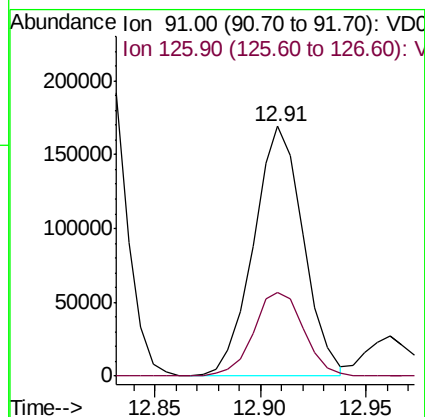
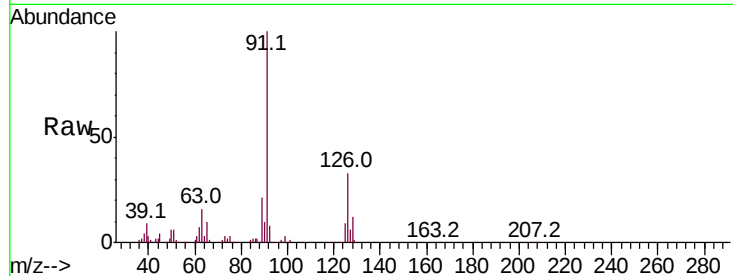




#79
 2-Chlorotoluene
 Concen: 18.739 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD066759.D
 Acq: 18 Sep 2020 12:01

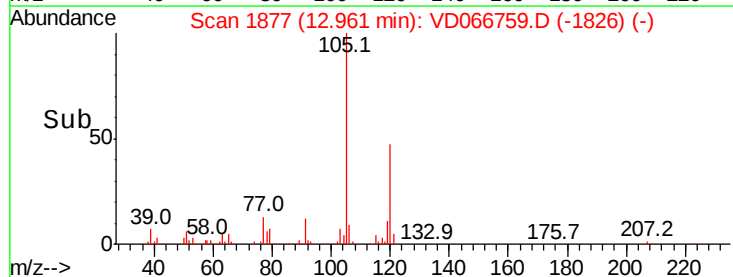
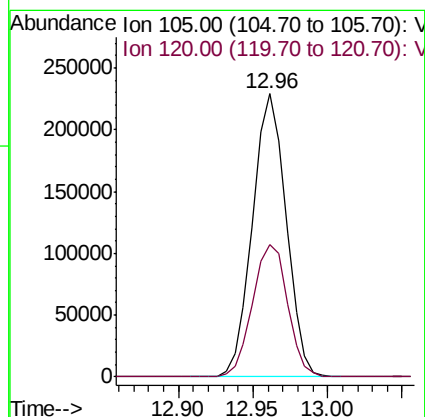
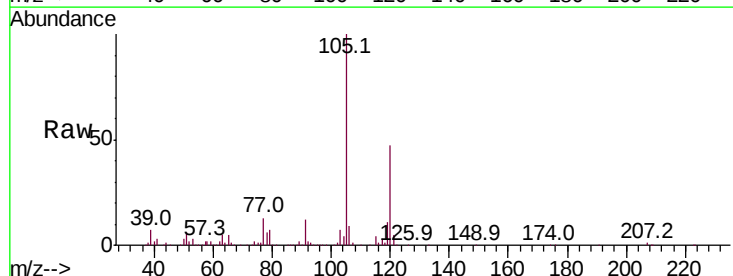
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

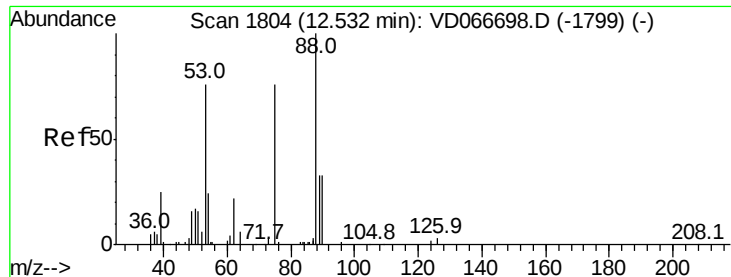
Tot Ion: 91 Resp: 276310
 Ion Ratio Lower Upper
 91 100
 126 33.9 16.2 48.6



#80
 1,3,5-Trimethylbenzene
 Concen: 19.679 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066759.D
 Acq: 18 Sep 2020 12:01

Tgt Ion: 105 Resp: 355929
 Ion Ratio Lower Upper
 105 100
 120 48.9 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 19.237 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

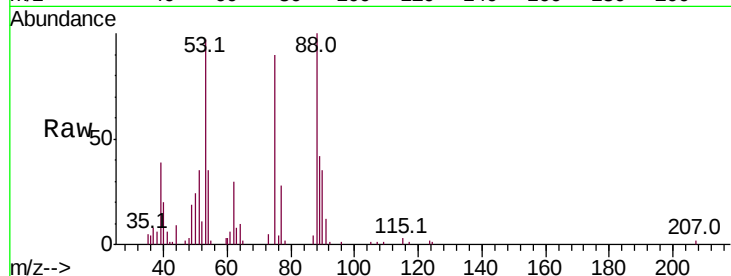
Tot Ion: 75 Resp: 21863

Ion Ratio Lower Upper

75 100

53 101.3 82.2 123.4

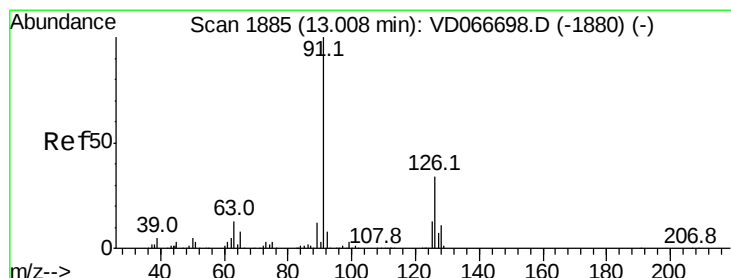
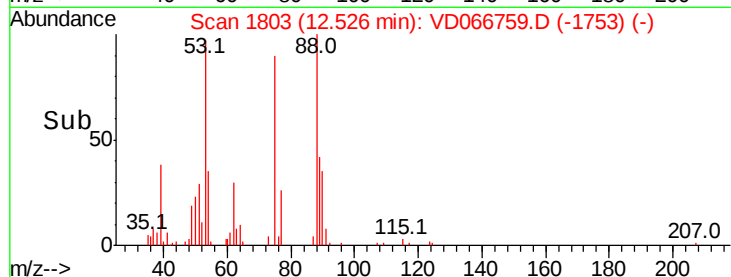
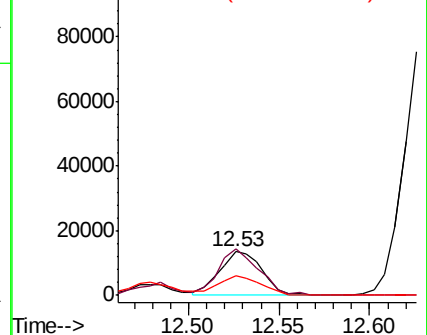
89 43.5 39.6 59.4



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: 19.337 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066759.D

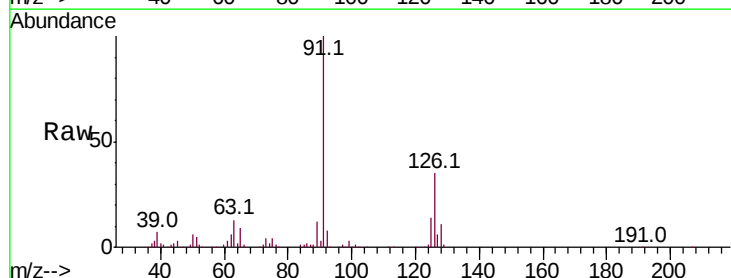
Acq: 18 Sep 2020 12:01

Tgt Ion: 91 Resp: 301478

Ion Ratio Lower Upper

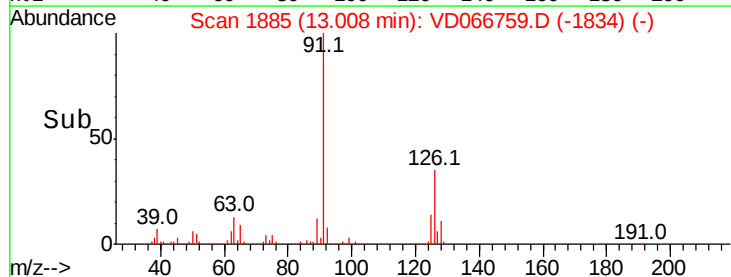
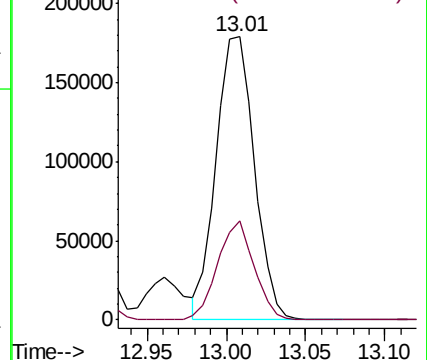
91 100

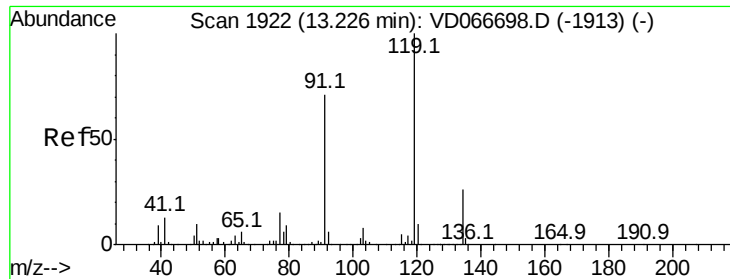
126 33.4 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

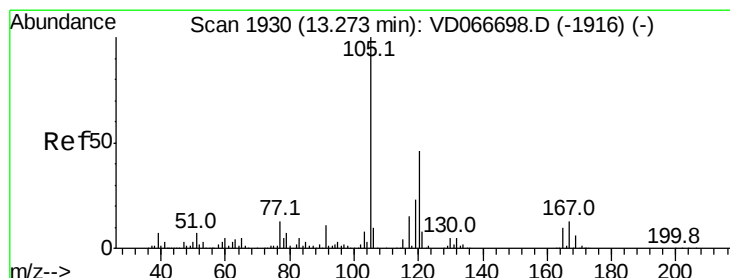
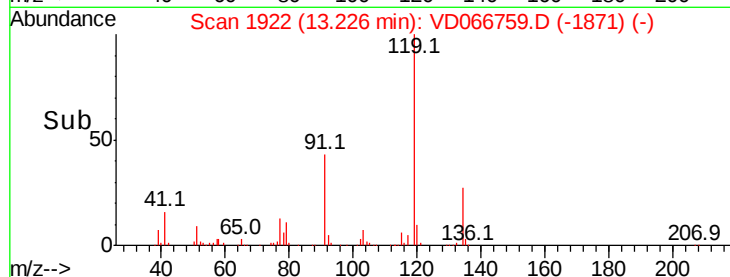
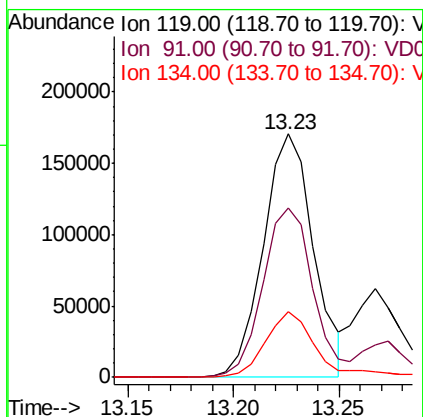
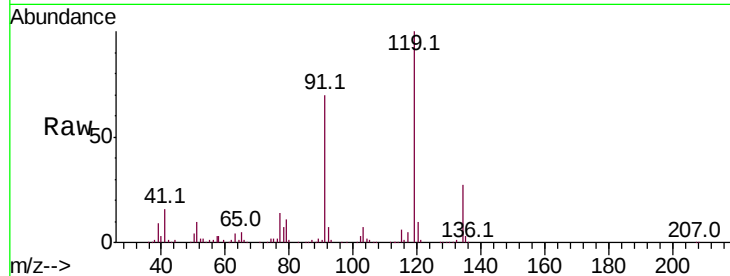




#83
tert-Butylbenzene
Concen: 18.991 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

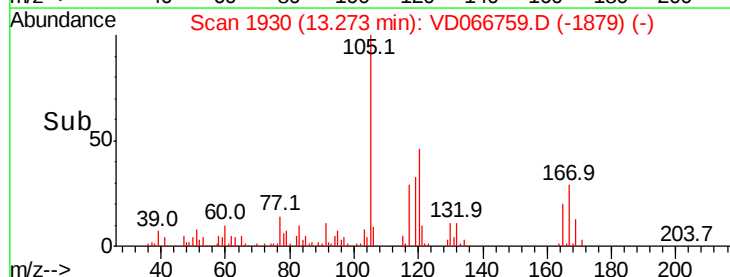
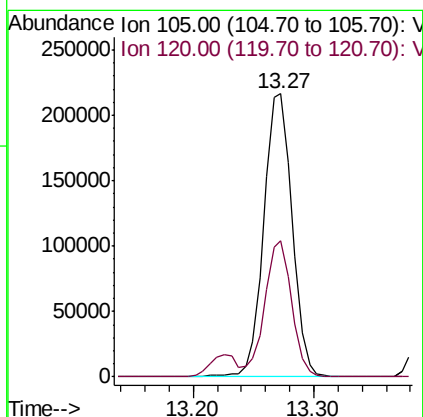
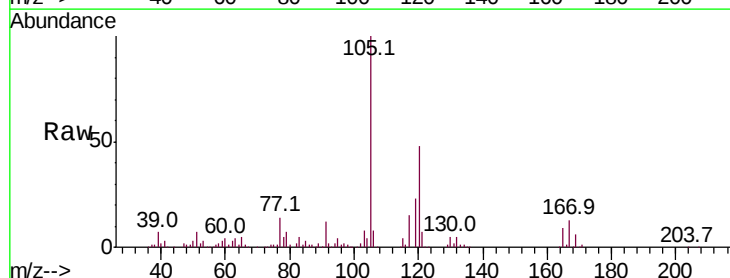
Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

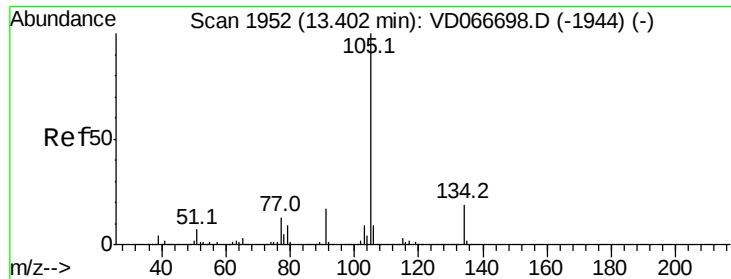
Tot Ion:119 Resp: 283116
Ion Ratio Lower Upper
119 100
91 69.9 35.0 105.1
134 27.7 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 19.638 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion:105 Resp: 354968
Ion Ratio Lower Upper
105 100
120 46.0 22.4 67.2





#85

sec-Butylbenzene

Concen: 19.651 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

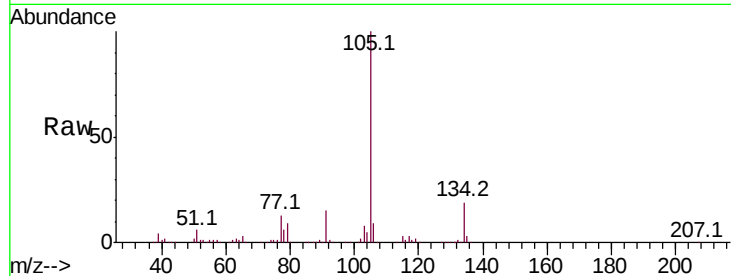
VD0918SBS01

Tot Ion:105 Resp: 419977

Ion Ratio Lower Upper

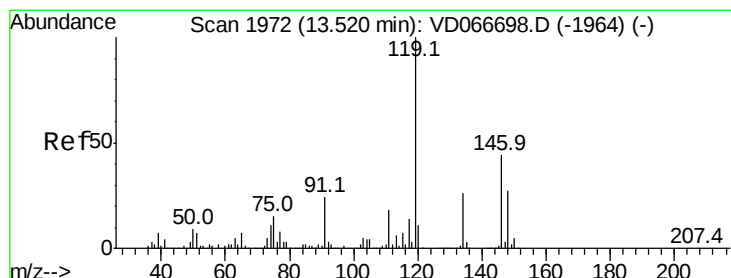
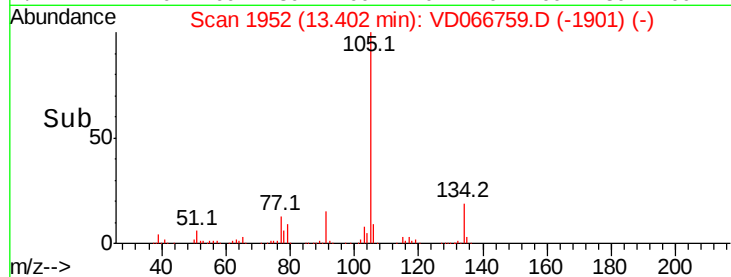
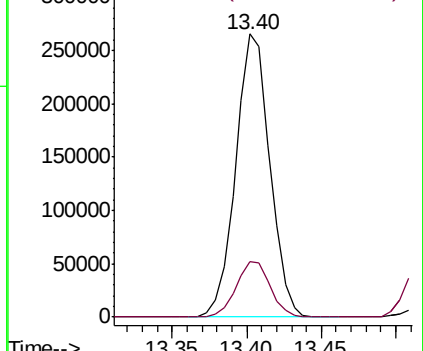
105 100

134 19.7 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.785 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

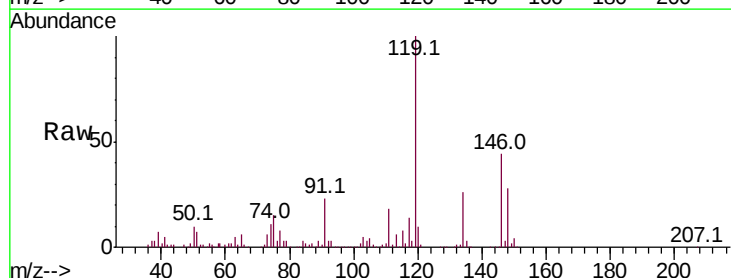
Tgt Ion:119 Resp: 384415

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.7

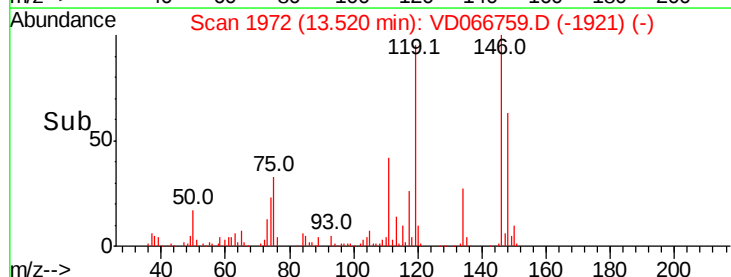
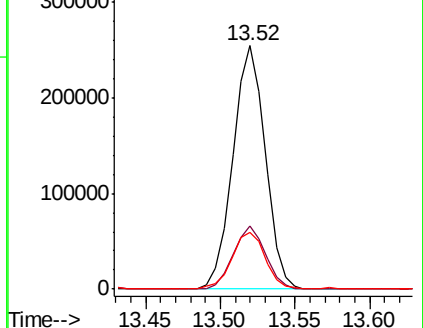
91 23.8 12.3 36.9

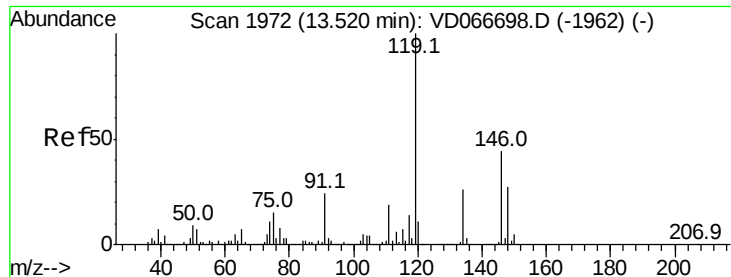


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.626 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

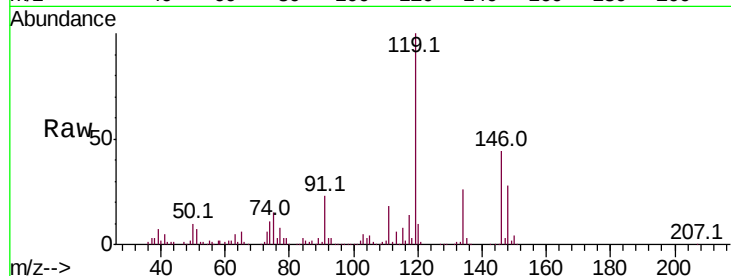
Tot Ion:146 Resp: 185644

Ion Ratio Lower Upper

146 100

111 41.8 21.1 63.3

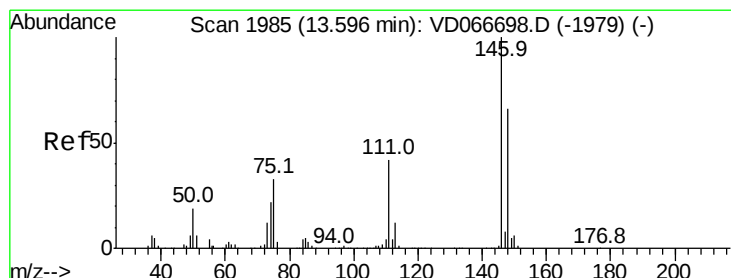
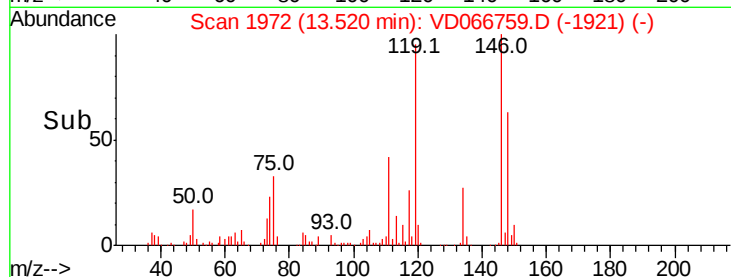
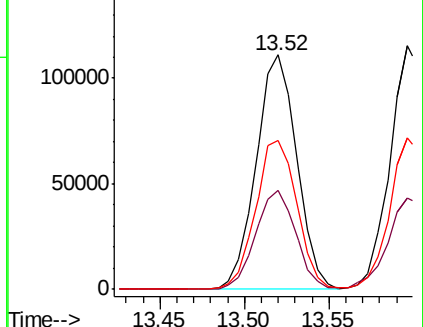
148 64.9 31.4 94.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.121 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

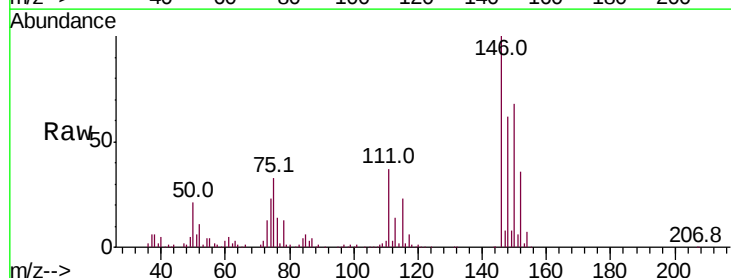
Tgt Ion:146 Resp: 189525

Ion Ratio Lower Upper

146 100

111 40.1 20.5 61.6

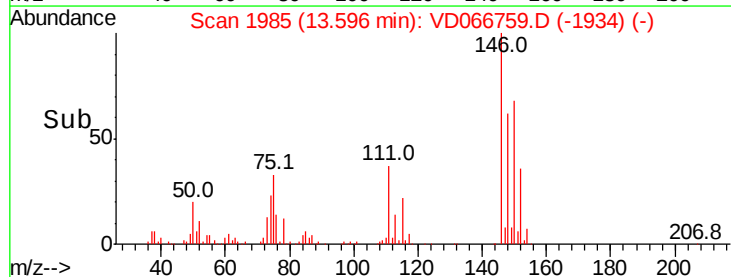
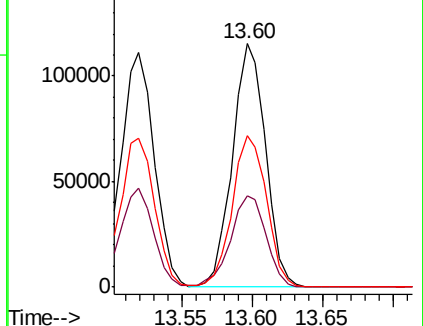
148 64.1 32.7 98.1

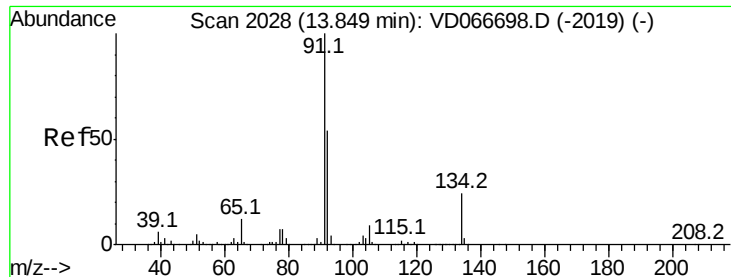


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

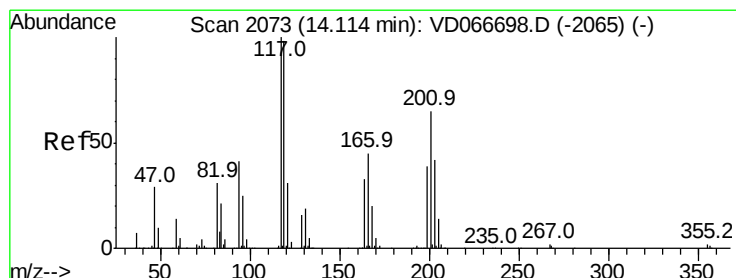
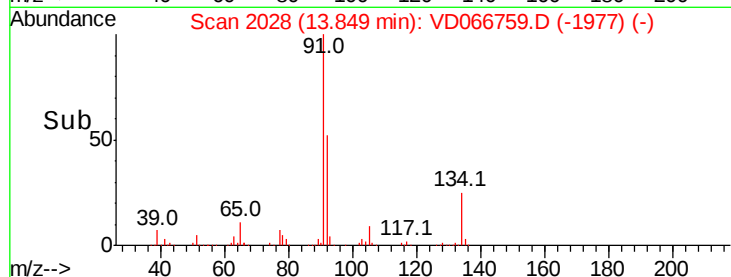
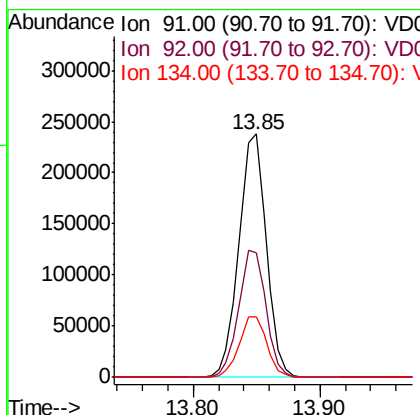
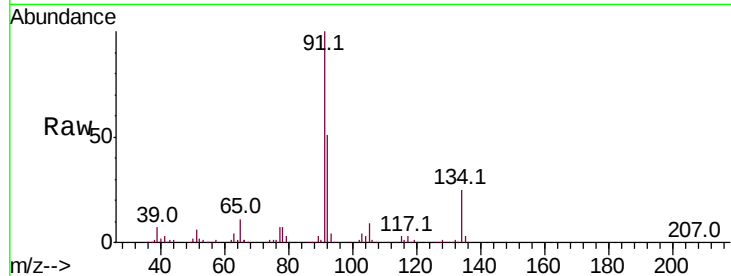




#89
n-Butylbenzene
Concen: 19.328 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

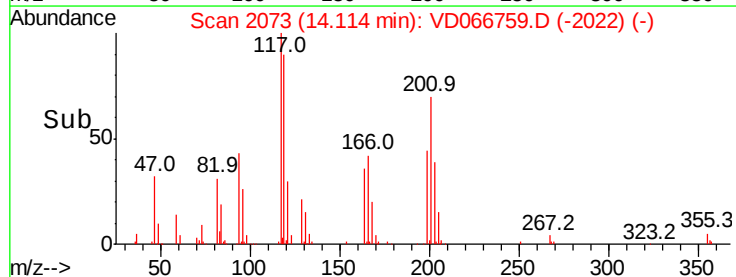
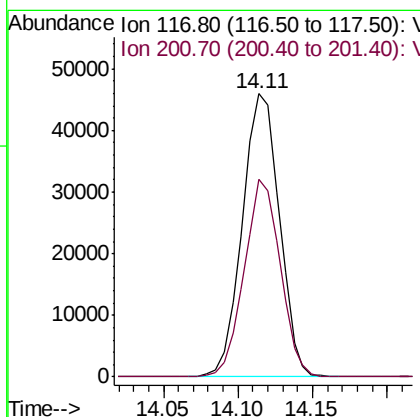
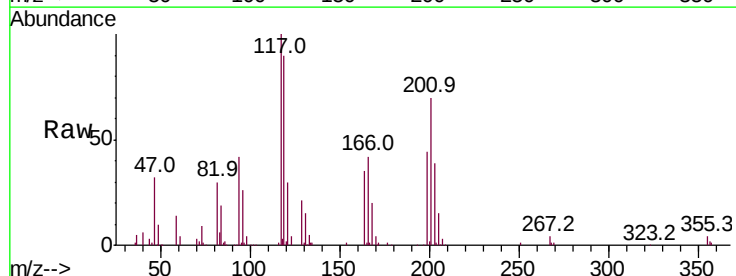
Instrument :
MSVOA_D
ClientSampleId :
VD0918SBS01

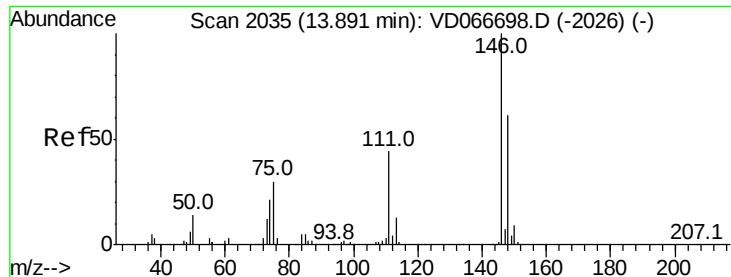
Tot Ion: 91 Resp: 357086
Ion Ratio Lower Upper
91 100
92 52.1 27.0 81.0
134 25.3 12.4 37.0



#90
Hexachloroethane
Concen: 19.738 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066759.D
Acq: 18 Sep 2020 12:01

Tgt Ion: 117 Resp: 78784
Ion Ratio Lower Upper
117 100
201 68.0 33.1 99.3

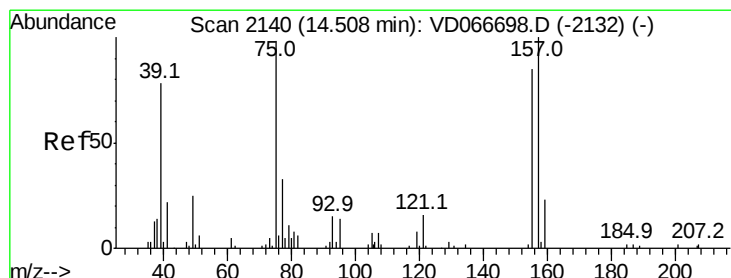
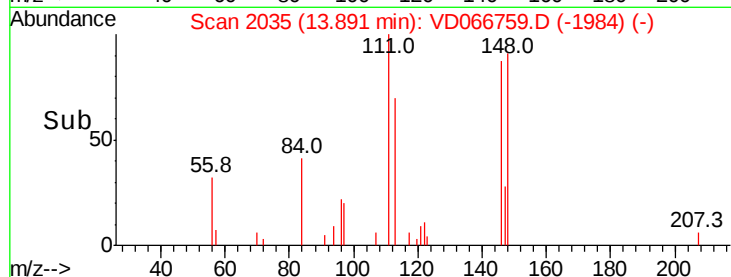
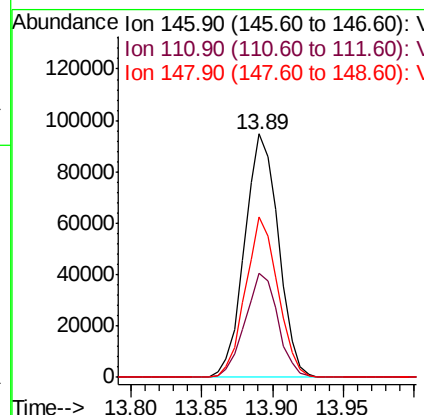
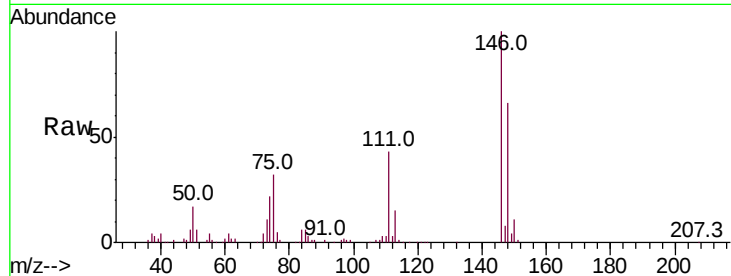




#91
 1,2-Dichlorobenzene
 Concen: 19.670 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066759.D
 Acq: 18 Sep 2020 12:01

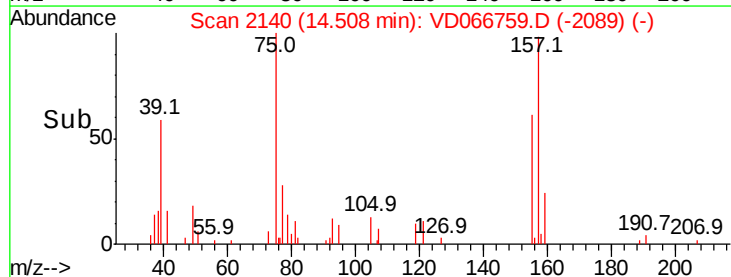
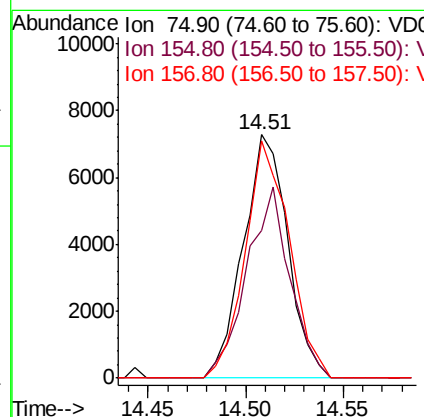
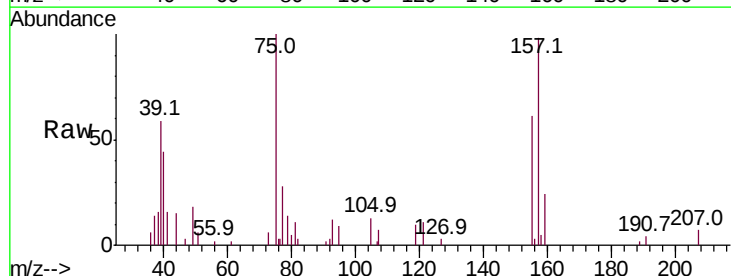
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

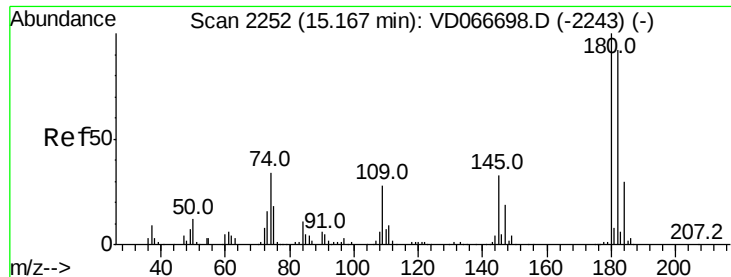
Tot Ion:146 Resp: 159428
 Ion Ratio Lower Upper
 146 100
 111 41.4 21.6 64.6
 148 63.2 31.4 94.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.578 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD066759.D
 Acq: 18 Sep 2020 12:01

Tgt Ion: 75 Resp: 11504
 Ion Ratio Lower Upper
 75 100
 155 76.2 38.9 116.7
 157 96.8 46.4 139.2

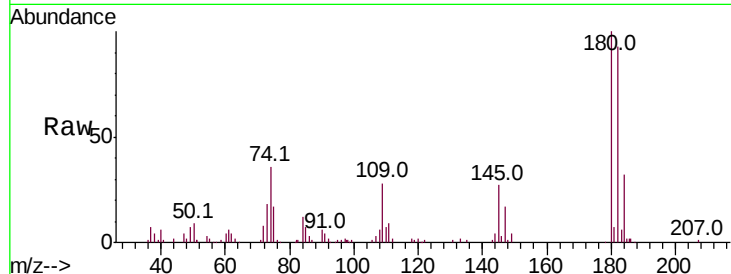




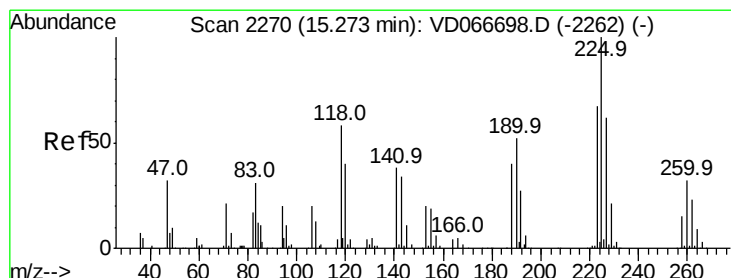
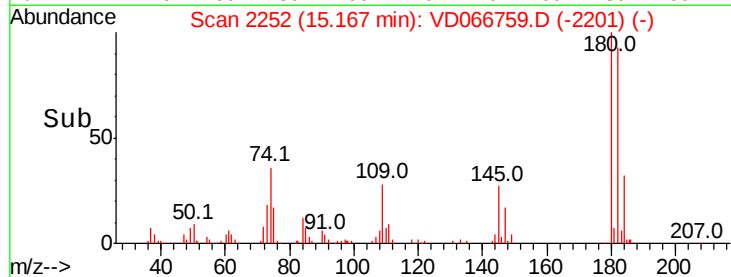
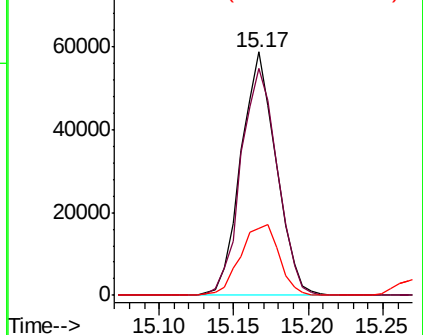
#93
 1,2,4-Trichlorobenzene
 Concen: 19.589 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066759.D
 Acq: 18 Sep 2020 12:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	46.6	139.7
145	31.6	16.5	49.5

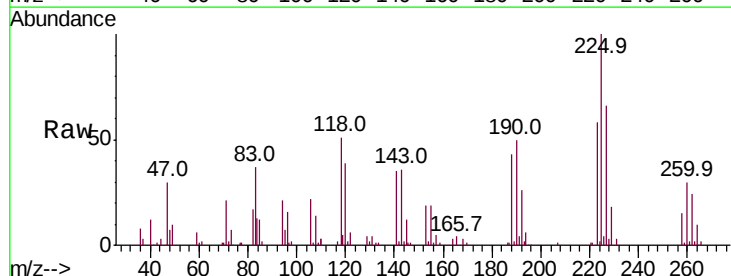


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

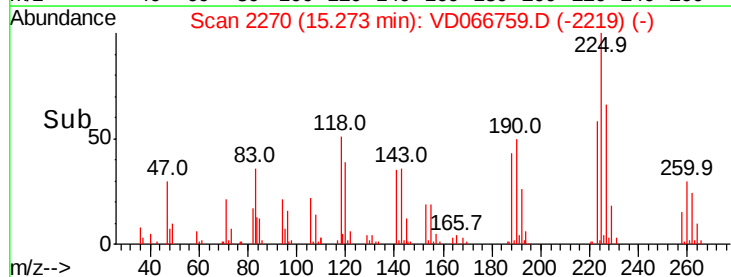
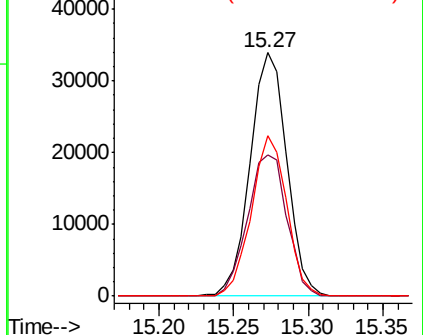


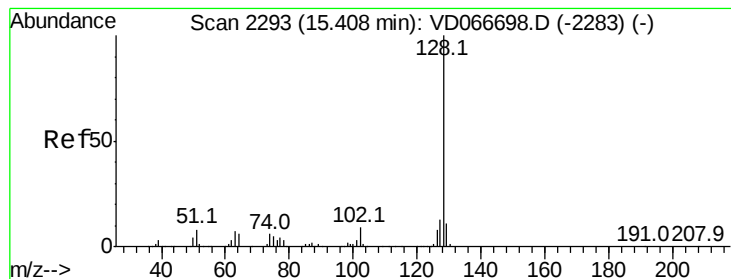
#94
 Hexachlorobutadiene
 Concen: 19.510 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066759.D
 Acq: 18 Sep 2020 12:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.9	95.9
227	63.1	31.3	93.9



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: 18.098 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

Instrument :

MSVOA_D

ClientSampleId :

VD0918SBS01

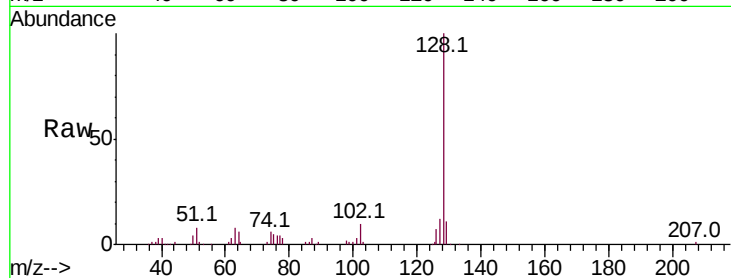
Tot Ion:128 Resp: 155008

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

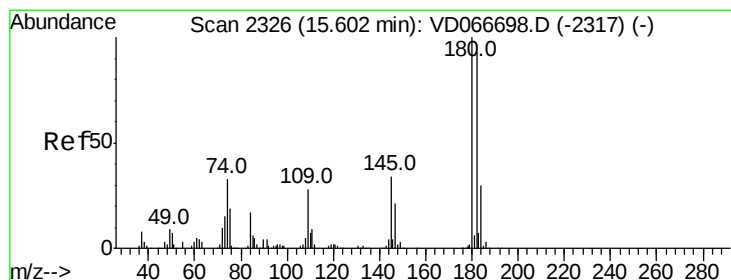
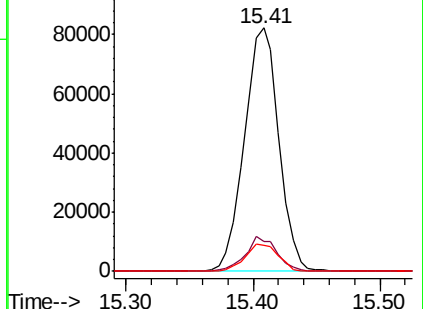
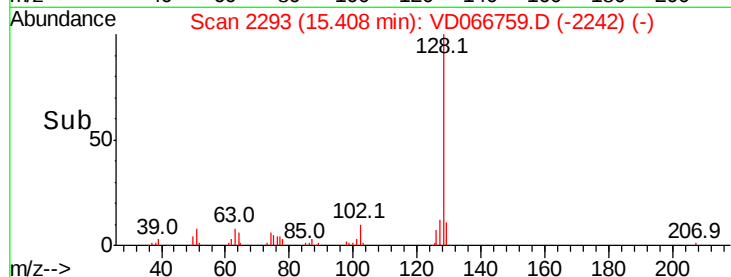
129 10.9 8.6 12.8



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: 19.128 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD066759.D

Acq: 18 Sep 2020 12:01

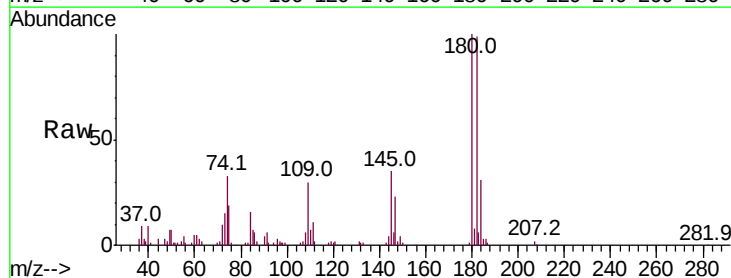
Tgt Ion:180 Resp: 81903

Ion Ratio Lower Upper

180 100

182 94.0 46.6 139.8

145 34.6 17.1 51.3



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

