

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092220\
 Data File : VD066811.D
 Acq On : 22 Sep 2020 15:23
 Operator : VA/SY
 Sample : VD0922SBSD01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBSD01

Quant Time: Sep 23 02:08:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	422926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	670496	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	608918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	281683	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	193910	46.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.68%	
35) Dibromofluoromethane	7.91	113	205162	48.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.20%	
50) Toluene-d8	10.34	98	730915	50.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.63	95	249641	50.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	82217	24.967	ug/l	92
3) Chloromethane	2.21	50	87200	22.441	ug/l	98
4) Vinyl Chloride	2.35	62	85904	22.377	ug/l	99
5) Bromomethane	2.76	94	60686	22.491	ug/l	94
6) Chloroethane	2.92	64	52076	21.844	ug/l	99
7) Trichlorofluoromethane	3.27	101	168889	21.421	ug/l	99
8) Diethyl Ether	3.71	74	39999	19.984	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	94700	20.714	ug/l	99
10) Methyl Iodide	4.30	142	82788	20.521	ug/l	97
11) Tert butyl alcohol	5.21	59	32005	99.132	ug/l #	72
12) 1,1-Dichloroethene	4.06	96	84226	20.338	ug/l	96
13) Acrolein	3.93	56	30835	100.978	ug/l	100
14) Allyl chloride	4.72	41	128375	21.110	ug/l	98
15) Acrylonitrile	5.43	53	88716	100.017	ug/l	99
16) Acetone	4.16	43	85525	97.396	ug/l	93
17) Carbon Disulfide	4.41	76	274708	21.697	ug/l	98
18) Methyl Acetate	4.71	43	40083	18.146	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	181391	20.169	ug/l	99
20) Methylene Chloride	4.97	84	140772	27.029	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	98643	20.571	ug/l	94
22) Diisopropyl ether	6.36	45	271163	21.687	ug/l #	93
23) Vinyl Acetate	6.30	43	666262	99.767	ug/l	99
24) 1,1-Dichloroethane	6.26	63	172868	20.666	ug/l	100
25) 2-Butanone	7.21	43	103679	98.250	ug/l	96
26) 2,2-Dichloropropane	7.20	77	157701	20.569	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	108656	20.855	ug/l	98
28) Bromochloromethane	7.55	49	67981	19.672	ug/l #	99
29) Tetrahydrofuran	7.56	42	66060	97.699	ug/l	99
30) Chloroform	7.71	83	184290	20.439	ug/l	98
31) Cyclohexane	7.98	56	158583	21.070	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	170399	20.891	ug/l	100
36) 1,1-Dichloropropene	8.11	75	143142	21.519	ug/l	99
37) Ethyl Acetate	7.29	43	51413	21.380	ug/l	100
38) Carbon Tetrachloride	8.10	117	154270	21.213	ug/l	96

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

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 MSVOA_D
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	163968	21.469	ug/l	96
40) Benzene	8.35	78	383832	20.704	ug/l	98
41) Methacrylonitrile	7.53	41	25240	17.068	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	112241	20.480	ug/l	99
43) Isopropyl Acetate	8.44	43	92196	19.886	ug/l #	79
44) Trichloroethene	9.11	130	109272	20.679	ug/l	94
45) 1,2-Dichloropropane	9.38	63	95358	20.444	ug/l	97
46) Dibromomethane	9.47	93	51704	20.402	ug/l	97
47) Bromodichloromethane	9.66	83	143169	21.030	ug/l	100
48) Methyl methacrylate	9.46	41	50993	22.308	ug/l	88
49) 1,4-Dioxane	9.45	88	10599	295.712	ug/l #	88
51) 4-Methyl-2-Pentanone	10.23	43	237969	101.300	ug/l	98
52) Toluene	10.40	92	251983	21.102	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	120083	20.724	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	146880	20.789	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	72071	20.687	ug/l	96
56) Ethyl methacrylate	10.65	69	75988	20.360	ug/l	99
57) 1,3-Dichloropropane	10.94	76	117208	20.374	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	192672	109.028	ug/l	99
59) 2-Hexanone	10.98	43	158997	100.363	ug/l	99
60) Dibromochloromethane	11.14	129	94608	20.807	ug/l	97
61) 1,2-Dibromoethane	11.24	107	66635	20.564	ug/l	98
64) Tetrachloroethene	10.87	164	91299	20.844	ug/l	94
65) Chlorobenzene	11.67	112	269138	21.234	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	95854	19.981	ug/l	96
67) Ethyl Benzene	11.74	91	465995	20.933	ug/l	100
68) m/p-Xylenes	11.85	106	363685	43.150	ug/l	97
69) o-Xylene	12.18	106	161310	21.166	ug/l	99
70) Styrene	12.19	104	282984	21.381	ug/l	99
71) Bromoform	12.36	173	48135	19.818	ug/l #	99
73) Isopropylbenzene	12.48	105	453731	22.298	ug/l	99
74) N-amyl acetate	12.29	43	82351	20.723	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	71500	20.363	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	97018	41.561	ug/l #	100
77) Bromobenzene	12.76	156	100683	21.156	ug/l	98
78) n-propylbenzene	12.82	91	547733	22.374	ug/l	99
79) 2-Chlorotoluene	12.91	91	309405	22.179	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	388468	22.499	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	20024	21.461	ug/l	95
82) 4-Chlorotoluene	13.00	91	330502	22.475	ug/l	99
83) tert-Butylbenzene	13.23	119	312880	22.052	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	386521	22.575	ug/l	100
85) sec-Butylbenzene	13.40	105	454299	22.267	ug/l	98
86) p-Isopropyltoluene	13.52	119	410748	22.335	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	202338	21.520	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	194235	20.799	ug/l	96
89) n-Butylbenzene	13.85	91	383924	21.964	ug/l	99
90) Hexachloroethane	14.11	117	78505	21.026	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	173493	21.568	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12109	21.438	ug/l	92

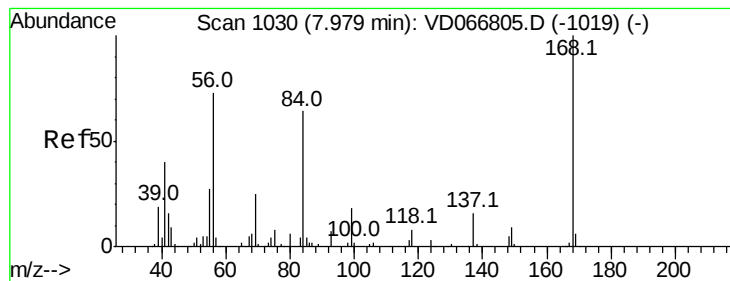
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092220\
Data File : VD066811.D
Acq On : 22 Sep 2020 15:23
Operator : VA/SY
Sample : VD0922SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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Quant Time: Sep 23 02:08:12 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	107802	21.289	ug/l	96
94) Hexachlorobutadiene	15.27	225	63613	20.963	ug/l	97
95) Naphthalene	15.40	128	173338	20.162	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	89858	20.559	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

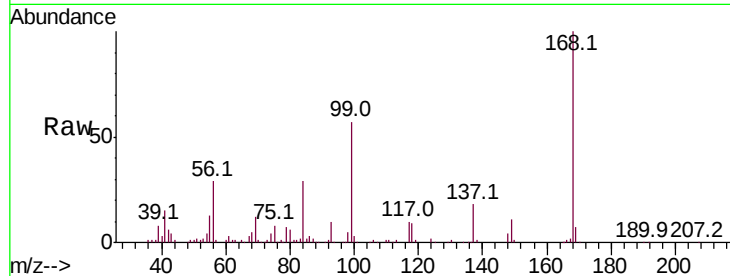
VD0922SBS01

Tot Ion:168 Resp: 422926

Ion Ratio Lower Upper

168 100

99 57.0 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

200000

150000

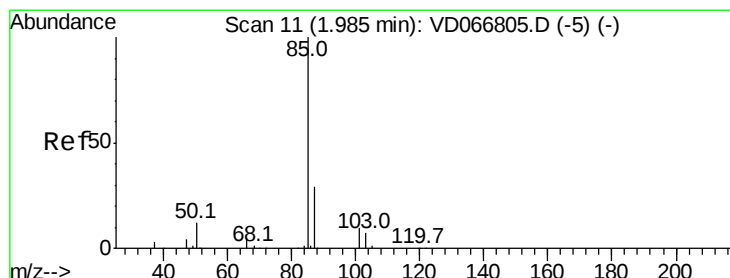
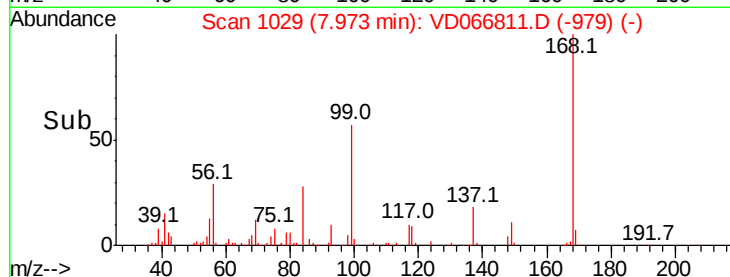
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 24.967 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066811.D

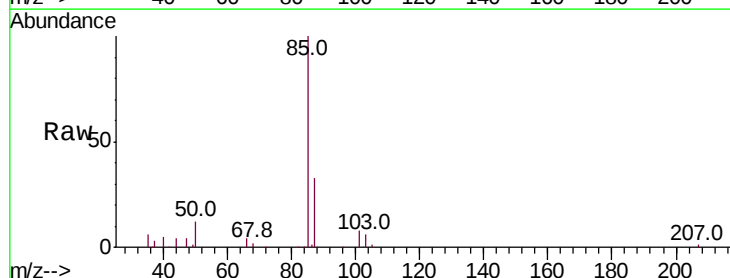
Acq: 22 Sep 2020 15:23

Tgt Ion: 85 Resp: 82217

Ion Ratio Lower Upper

85 100

87 33.5 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

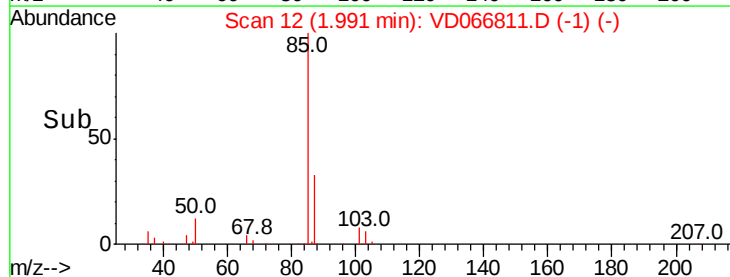
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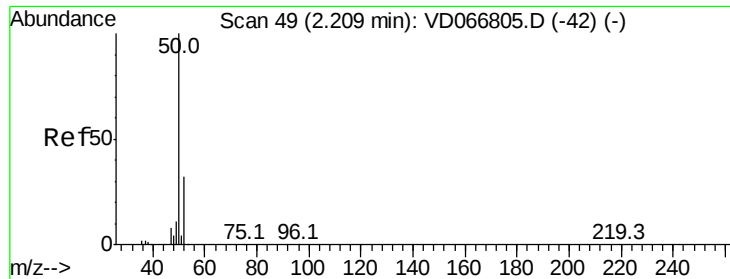
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 22.441 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

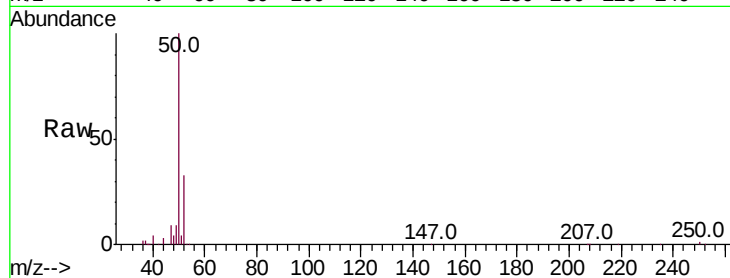
VD0922SBS01

Tot Ion: 50 Resp: 87200

Ion Ratio Lower Upper

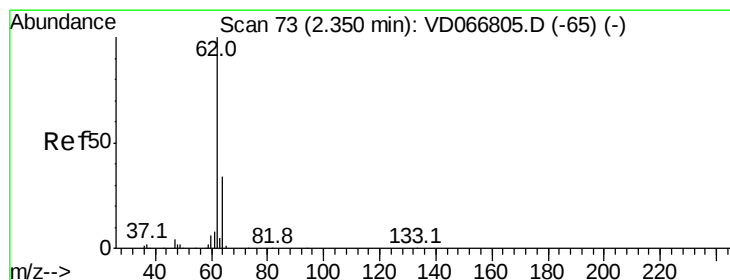
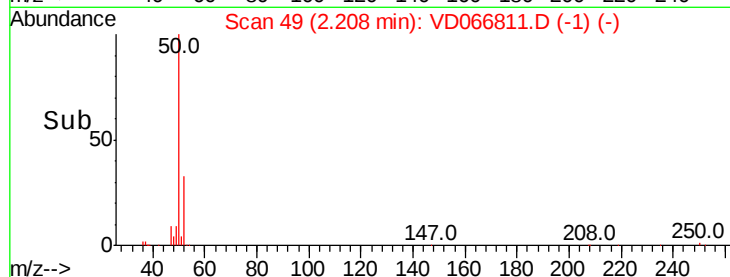
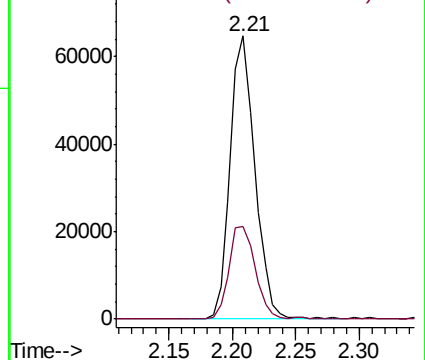
50 100

52 32.7 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.377 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066811.D

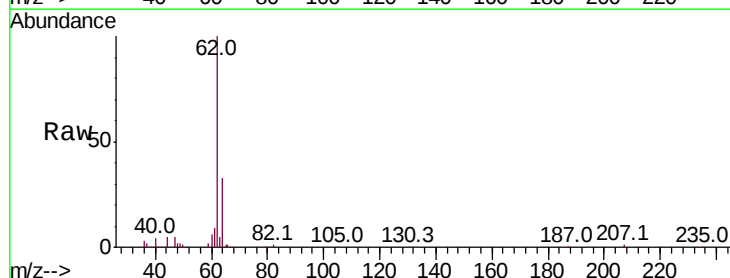
Acq: 22 Sep 2020 15:23

Tgt Ion: 62 Resp: 85904

Ion Ratio Lower Upper

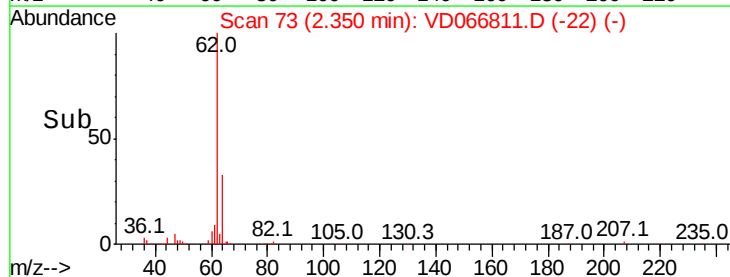
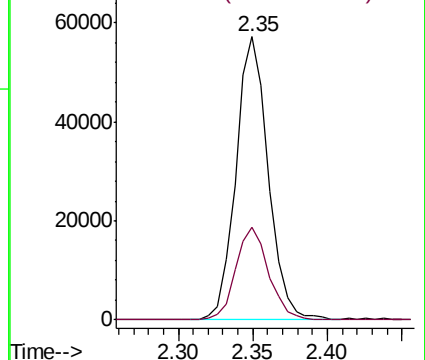
62 100

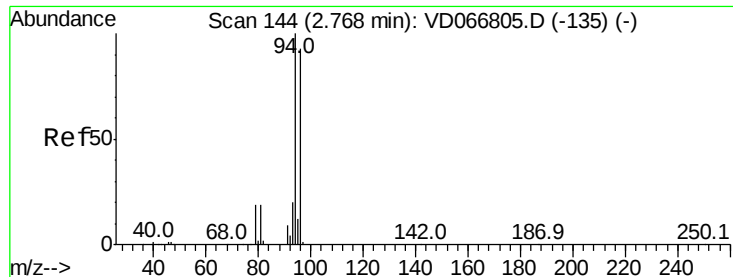
64 32.9 27.0 40.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 22.491 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

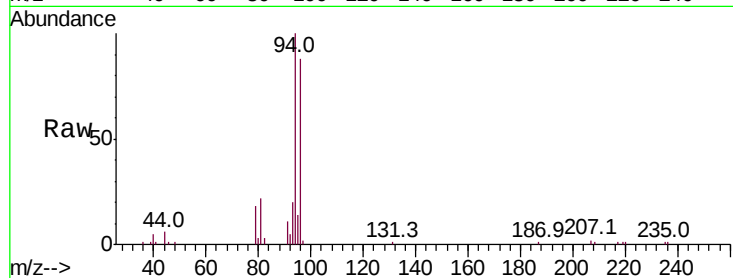
VD0922SBS01

Tot Ion: 94 Resp: 60686

Ion Ratio Lower Upper

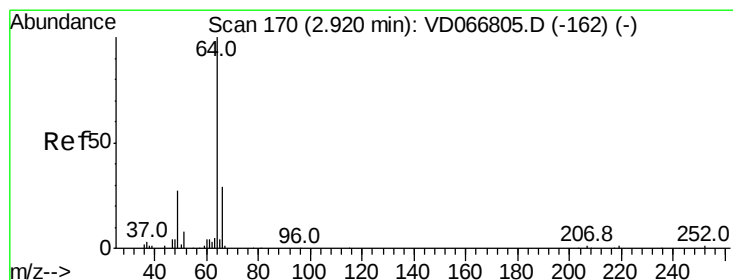
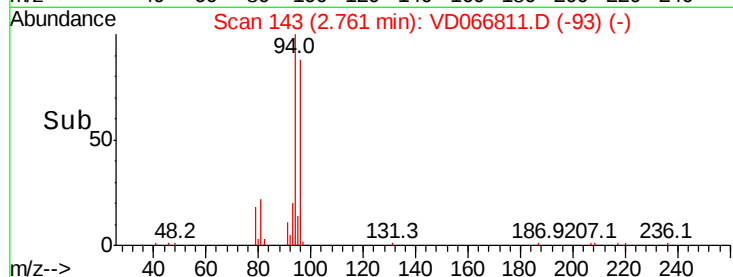
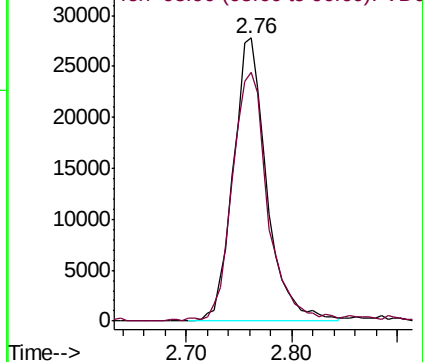
94 100

96 86.9 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.844 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066811.D

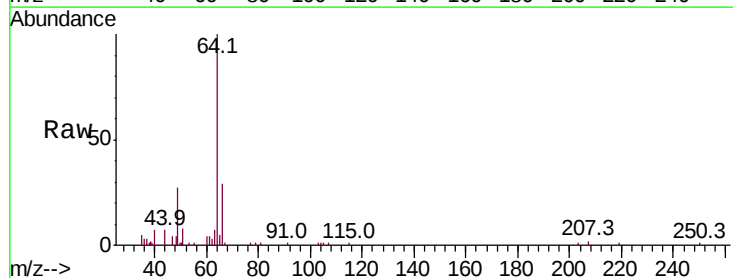
Acq: 22 Sep 2020 15:23

Tgt Ion: 64 Resp: 52076

Ion Ratio Lower Upper

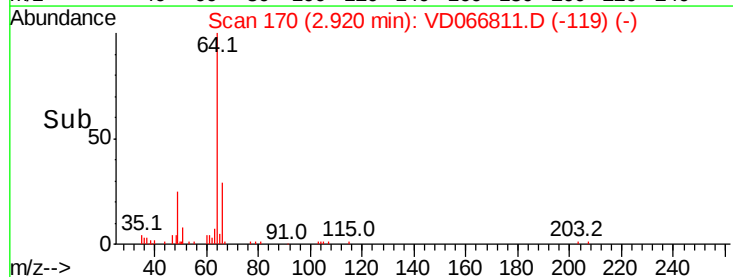
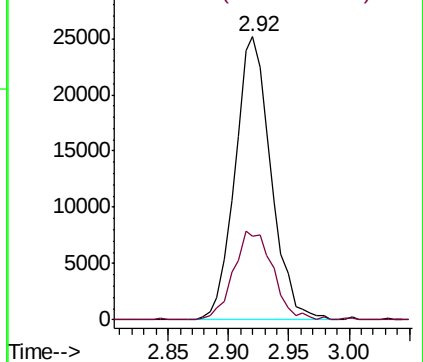
64 100

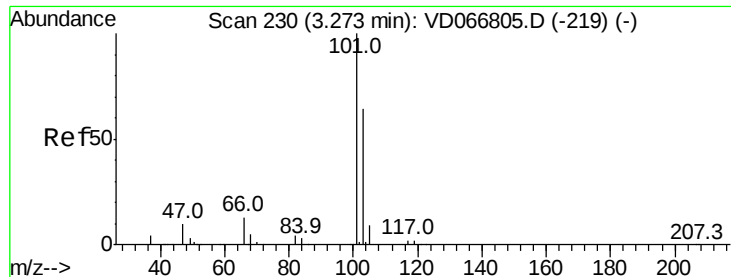
66 29.5 23.3 34.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



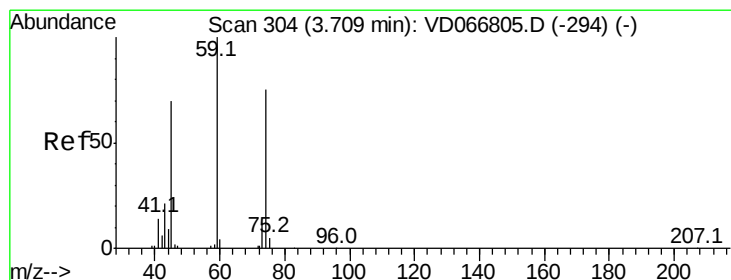
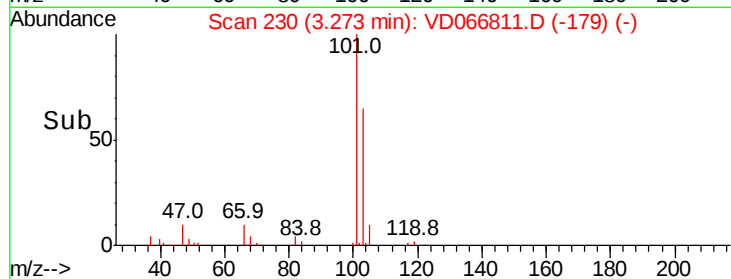
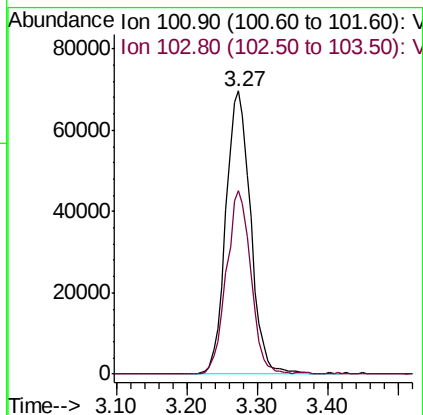
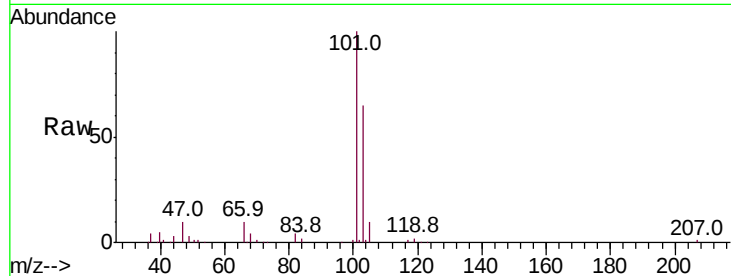


#7

Trichlorofluoromethane
 Concen: 21.421 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066811.D
 Acq: 22 Sep 2020 15:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBS01

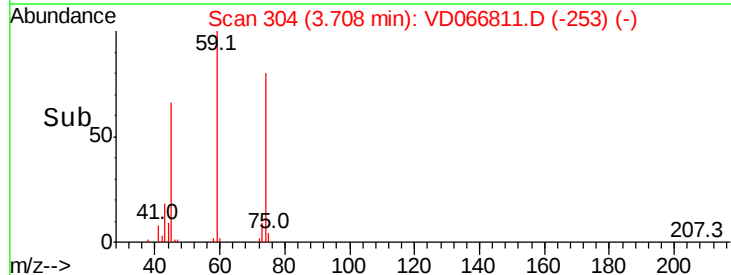
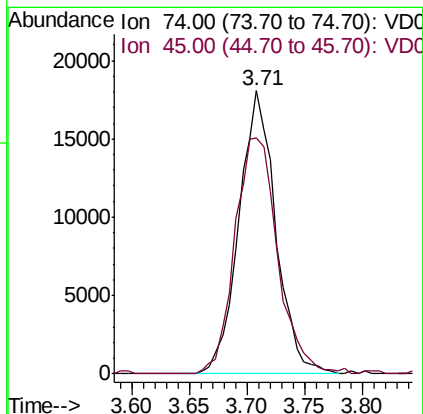
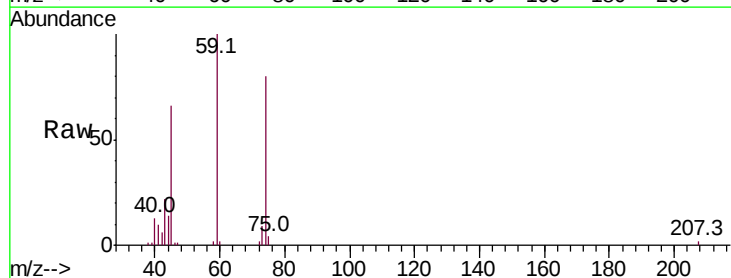
Tot Ion:101 Resp: 168889
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.0 76.6

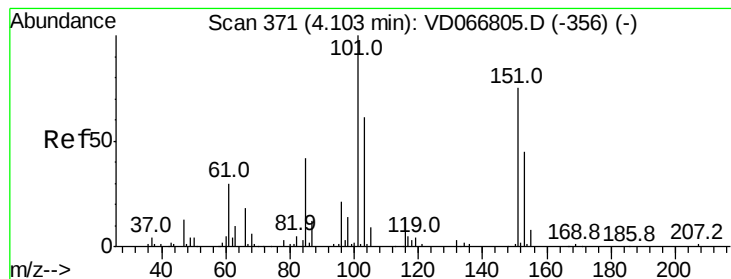


#8

Diethyl Ether
 Concen: 19.984 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD066811.D
 Acq: 22 Sep 2020 15:23

Tgt Ion: 74 Resp: 39999
 Ion Ratio Lower Upper
 74 100
 45 97.3 46.0 138.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.714 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBSD01

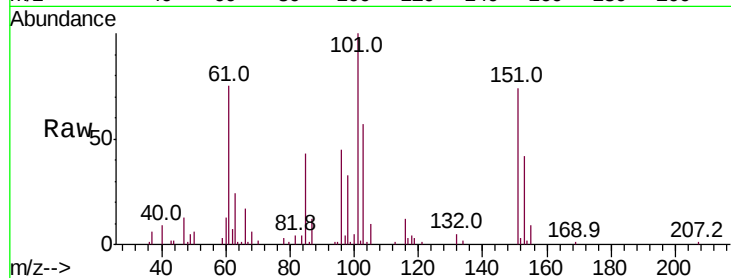
Tot Ion:101 Resp: 94700

Ion Ratio Lower Upper

101 100

85 44.9 35.4 53.2

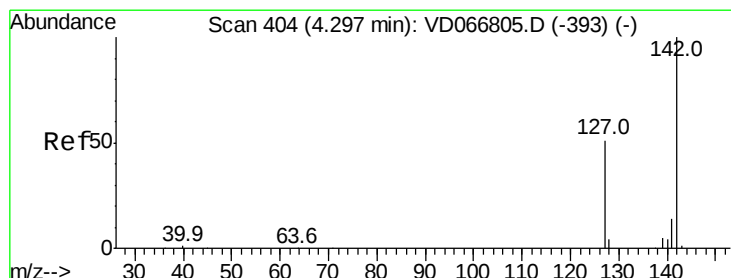
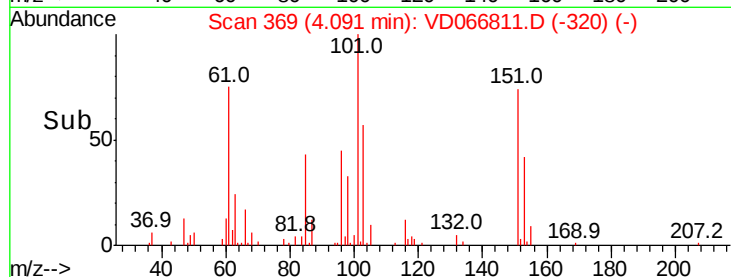
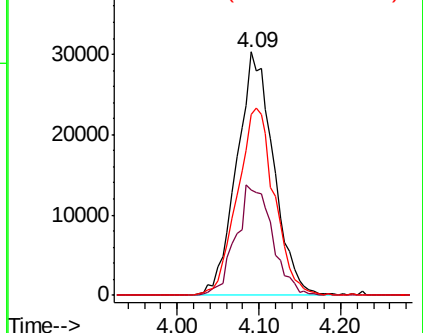
151 77.6 61.4 92.0



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: 20.521 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

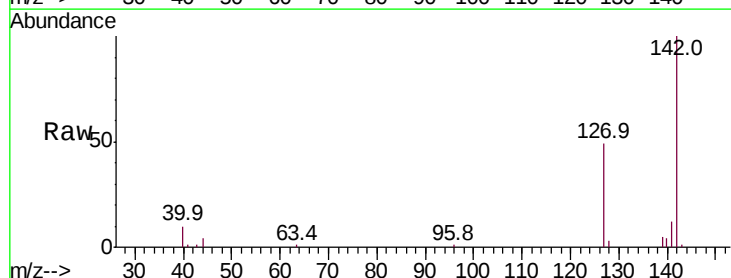
Tgt Ion:142 Resp: 82788

Ion Ratio Lower Upper

142 100

127 47.2 39.4 59.0

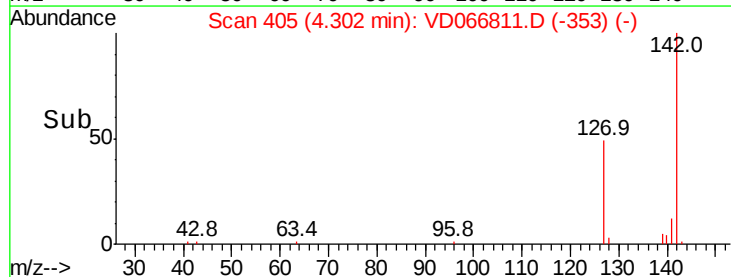
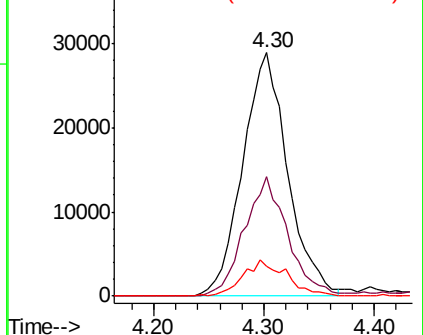
141 14.4 12.1 18.1

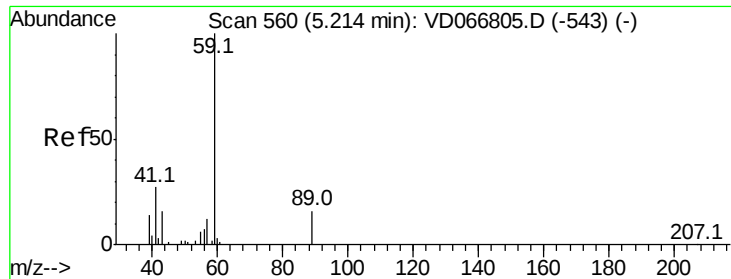


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 99.132 ug/l

RT: 5.21 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

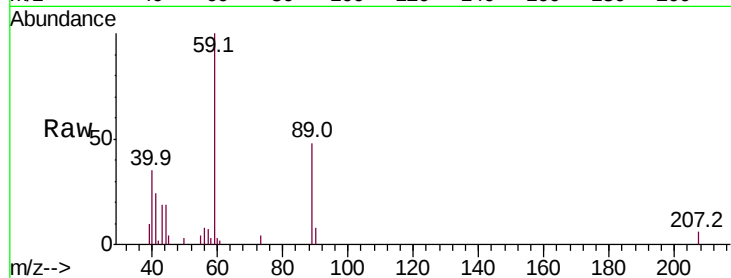
VD0922SBS01

Tot Ion: 59 Resp: 32005

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.21

8000

6000

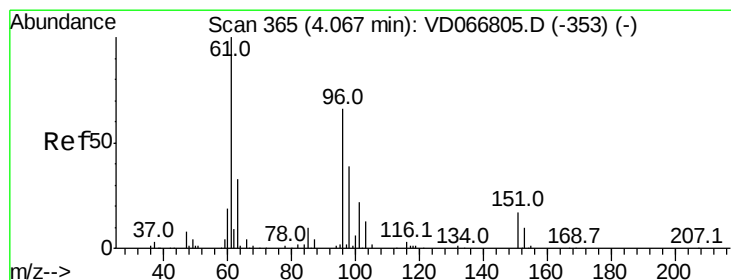
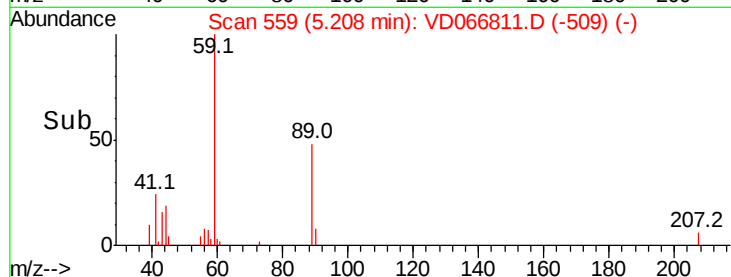
4000

2000

0

Time-->

5.10 5.20 5.30



#12

1,1-Dichloroethene

Concen: 20.338 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

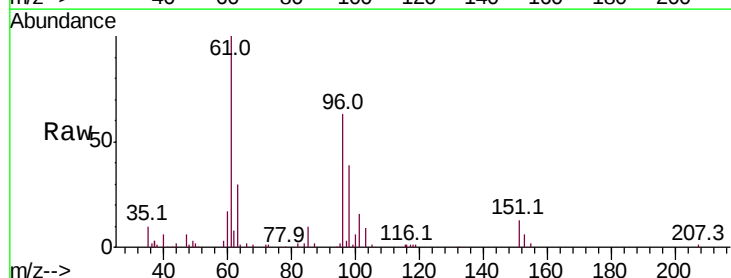
Tgt Ion: 96 Resp: 84226

Ion Ratio Lower Upper

96 100

61 157.9 120.8 181.2

98 61.0 47.7 71.5



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

60000

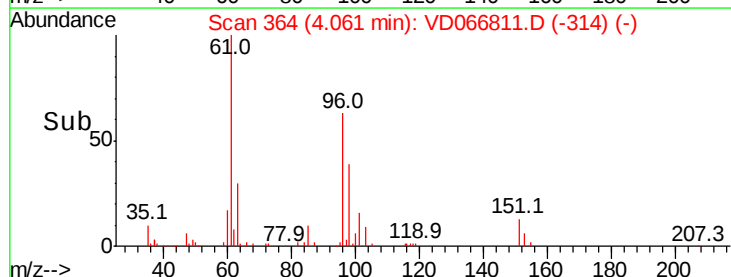
40000

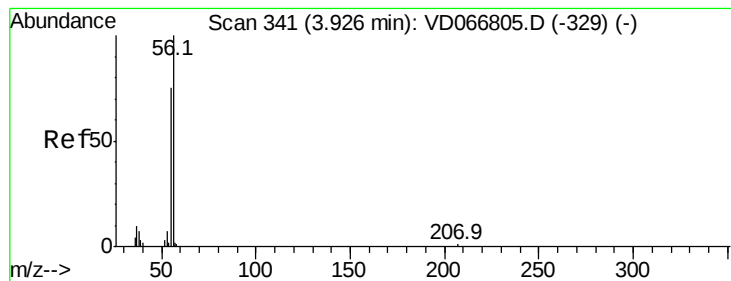
20000

0

Time-->

4.00 4.10 4.20





#13

Acrolein

Concen: 100.978 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

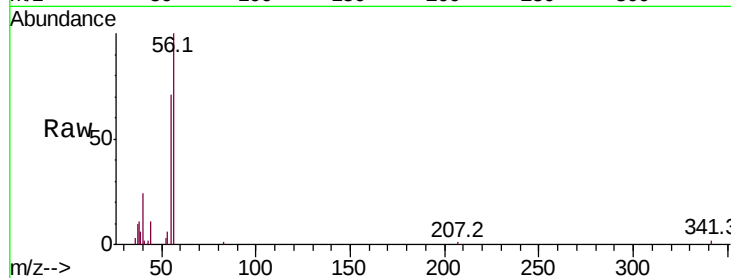
VD0922SBSD01

Tot Ion: 56 Resp: 30835

Ion Ratio Lower Upper

56 100

55 75.2 60.3 90.5



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

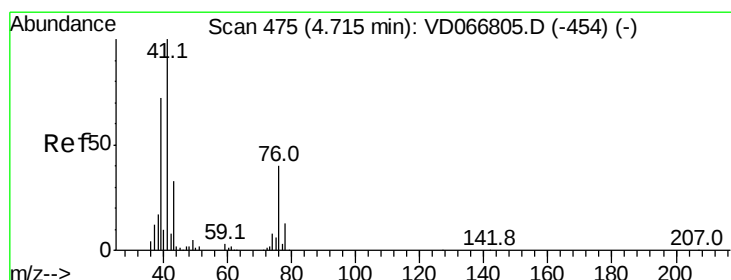
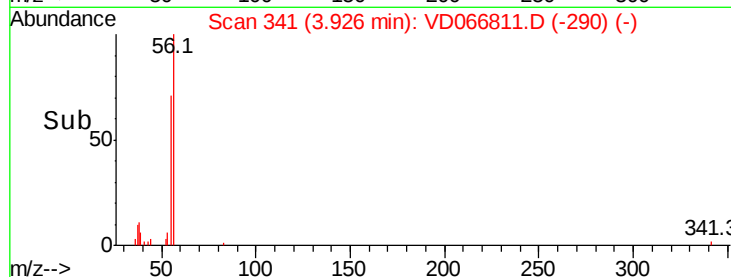
3.93

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 21.110 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

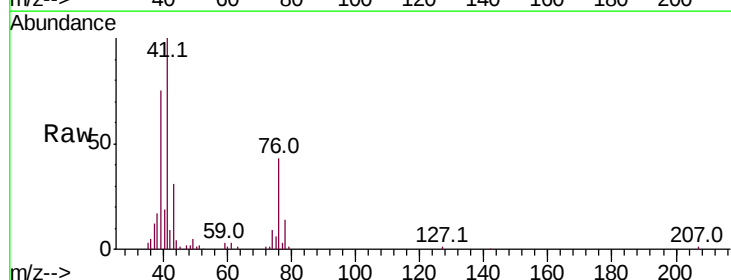
Tgt Ion: 41 Resp: 128375

Ion Ratio Lower Upper

41 100

39 73.7 57.8 86.8

76 39.4 30.9 46.3



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

4.72

50000

40000

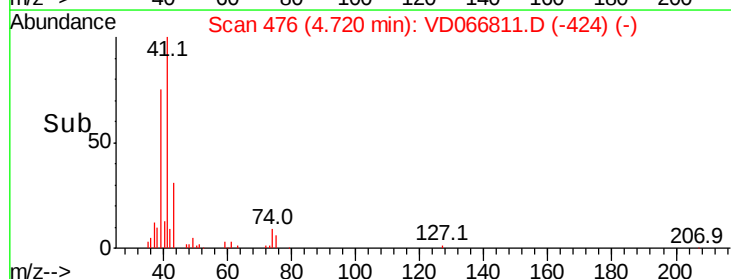
30000

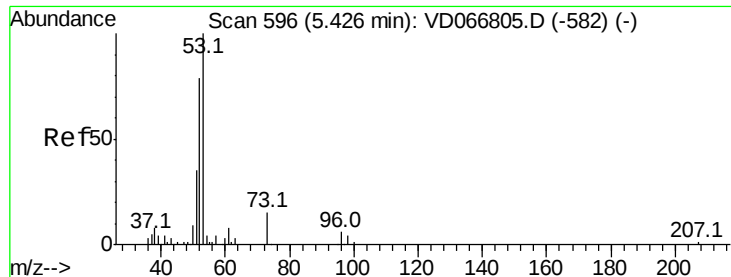
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 100.017 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBS01

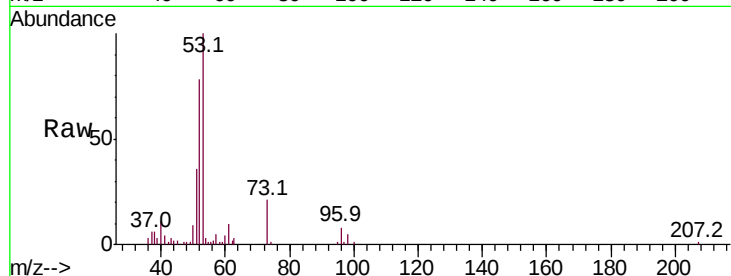
Tot Ion: 53 Resp: 88716

Ion Ratio Lower Upper

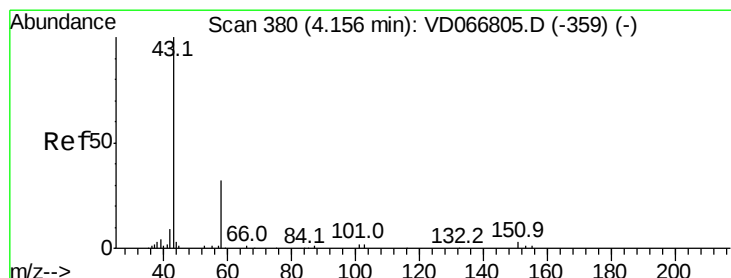
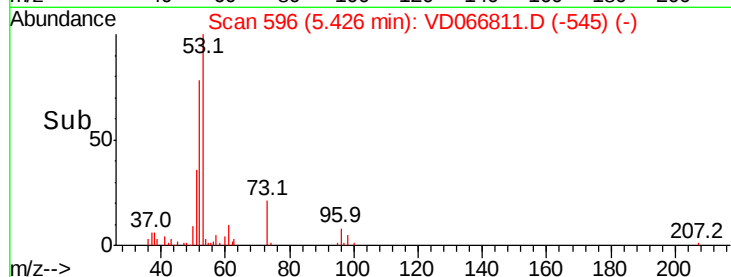
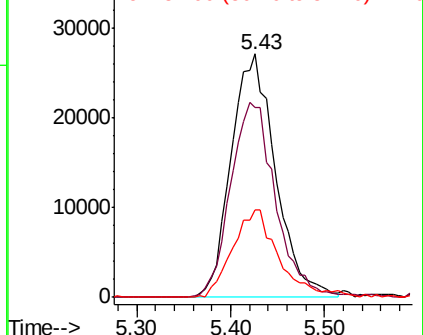
53 100

52 81.2 65.2 97.8

51 37.2 30.6 46.0



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: 97.396 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066811.D

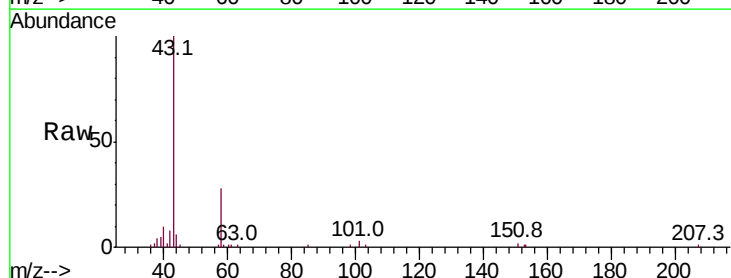
Acq: 22 Sep 2020 15:23

Tgt Ion: 43 Resp: 85525

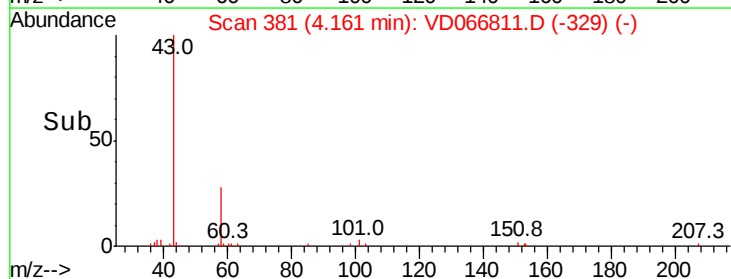
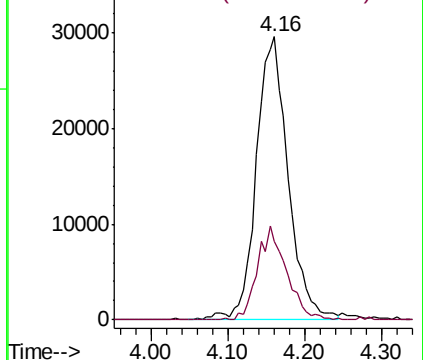
Ion Ratio Lower Upper

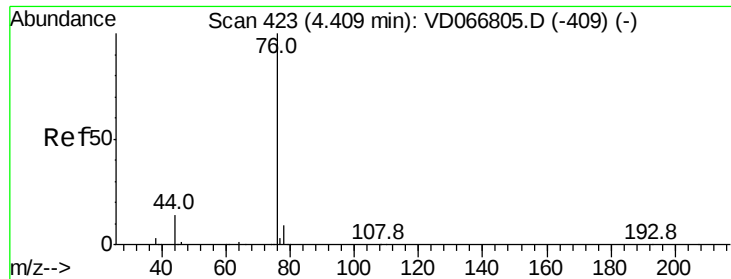
43 100

58 27.8 25.6 38.4



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





#17

Carbon Disulfide

Concen: 21.697 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

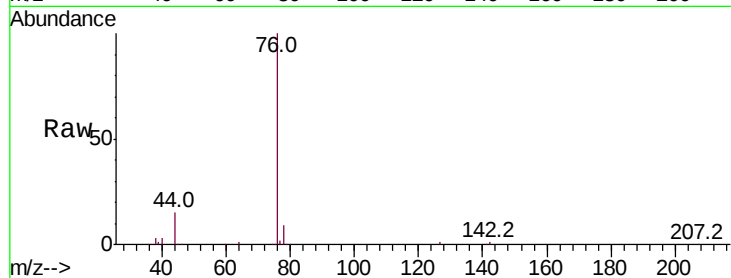
VD0922SBS01

Tot Ion: 76 Resp: 274708

Ion Ratio Lower Upper

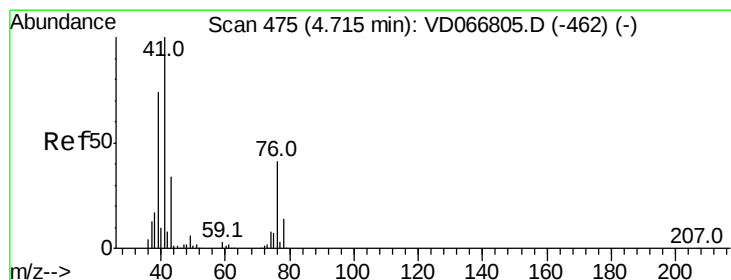
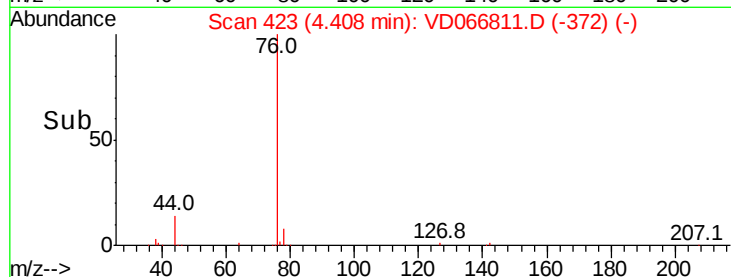
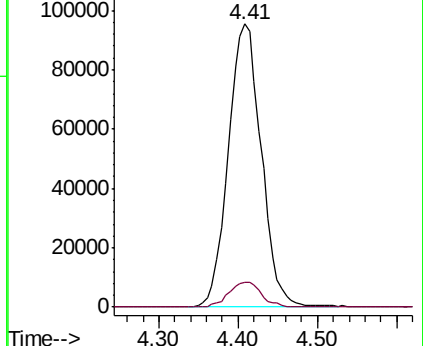
76 100

78 8.9 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 18.146 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066811.D

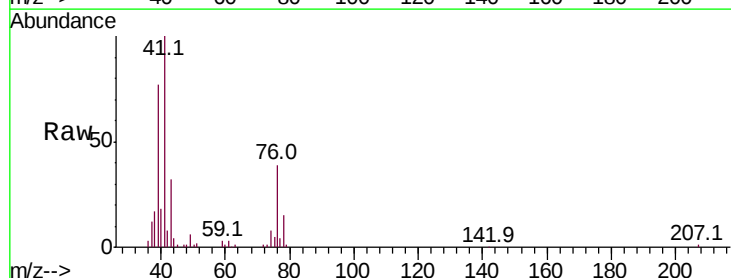
Acq: 22 Sep 2020 15:23

Tgt Ion: 43 Resp: 40083

Ion Ratio Lower Upper

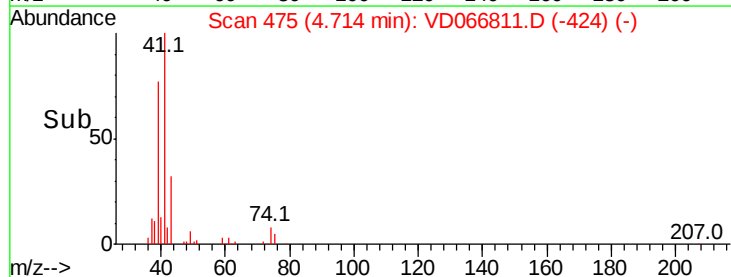
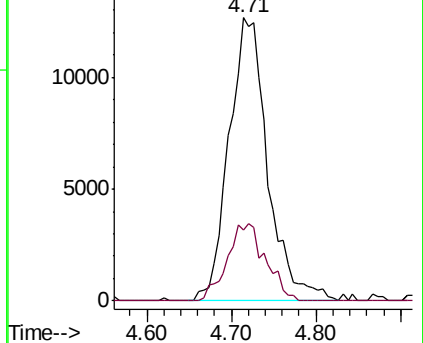
43 100

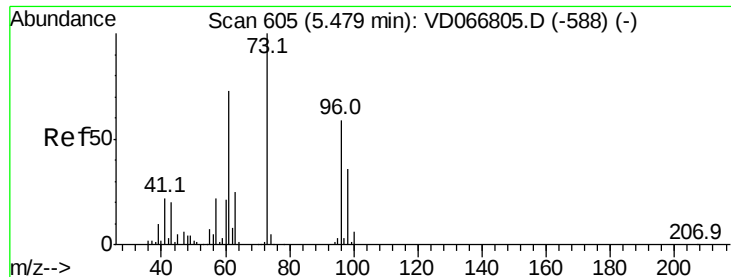
74 27.2 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

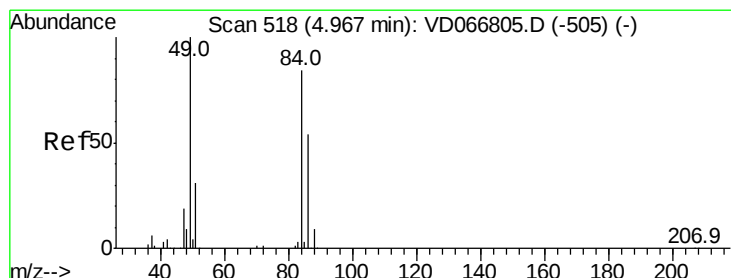
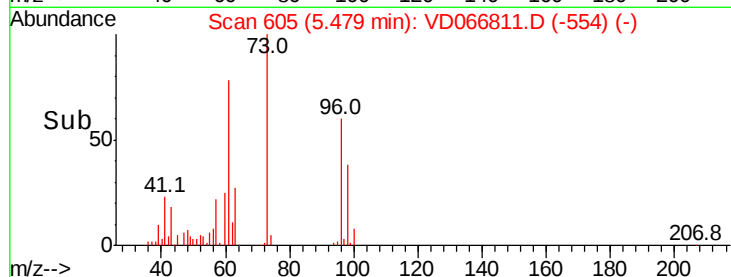
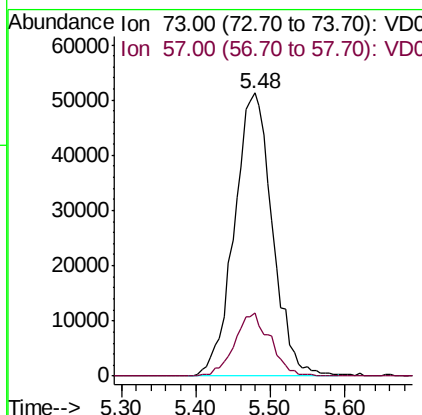
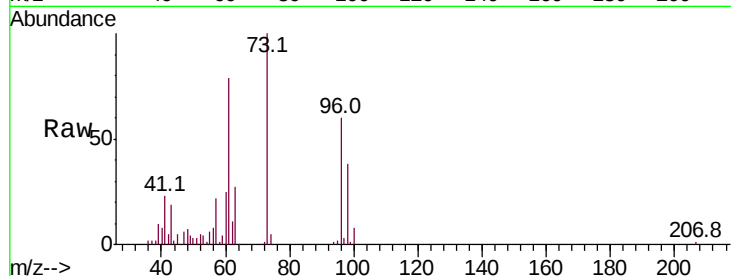




#19
Methvl tert-butvl Ether
Concen: 20.169 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

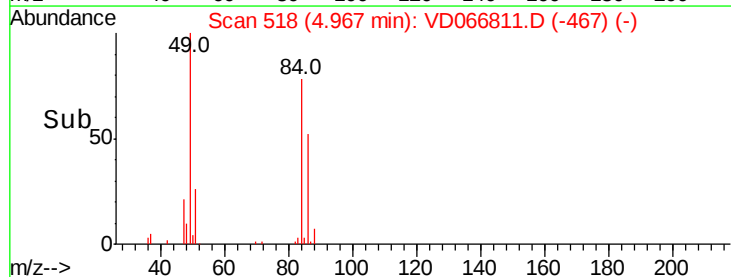
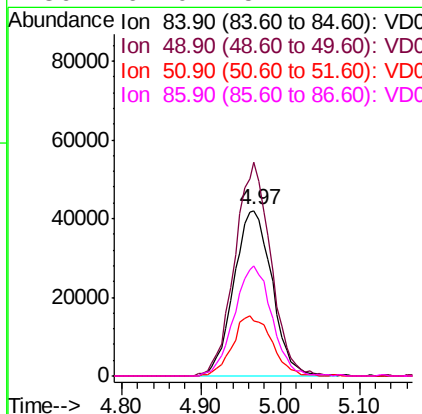
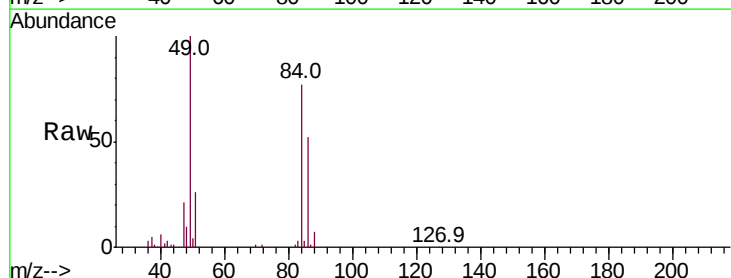
Instrument :
MSVOA_D
ClientSampleId :
VD0922SBSD01

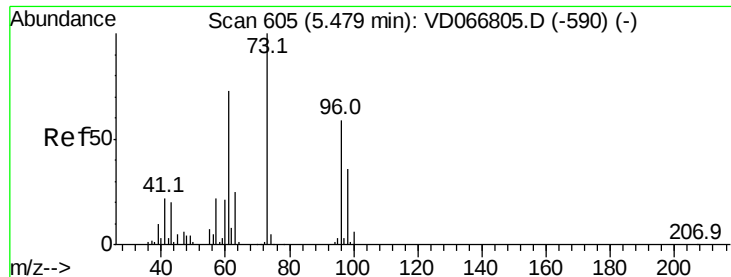
Tot Ion: 73 Resp: 181391
Ion Ratio Lower Upper
73 100
57 22.2 17.4 26.2



#20
Methylene Chloride
Concen: 27.029 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Tgt Ion: 84 Resp: 140772
Ion Ratio Lower Upper
84 100
49 129.3 95.4 143.2
51 33.7 29.7 44.5
86 67.0 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 20.571 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBSD01

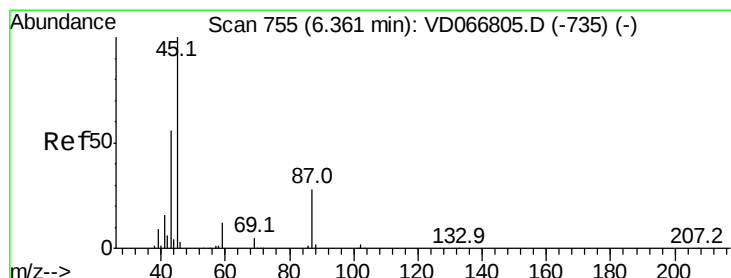
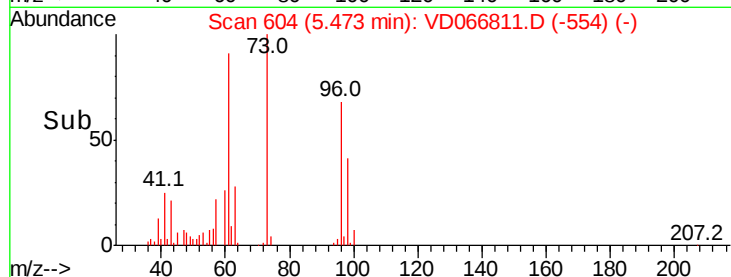
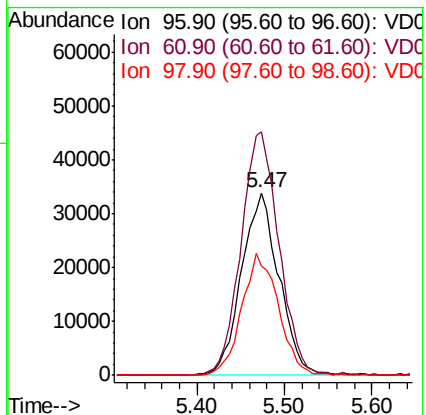
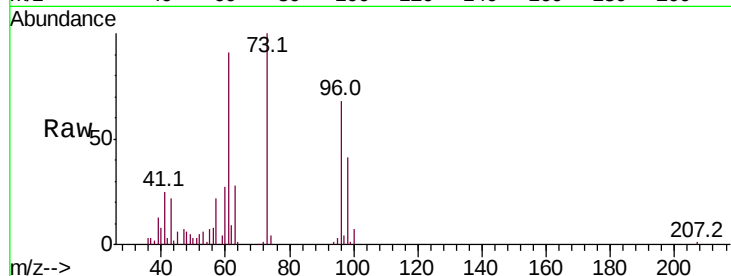
Tot Ion: 96 Resp: 98643

Ion Ratio Lower Upper

96 100

61 133.3 98.9 148.3

98 59.7 48.4 72.6



#22

Diisopropyl ether

Concen: 21.687 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Tgt Ion: 45 Resp: 271163

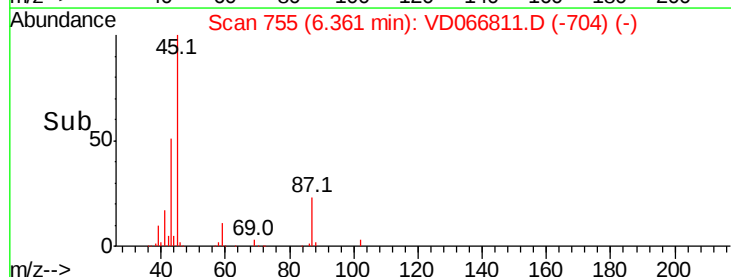
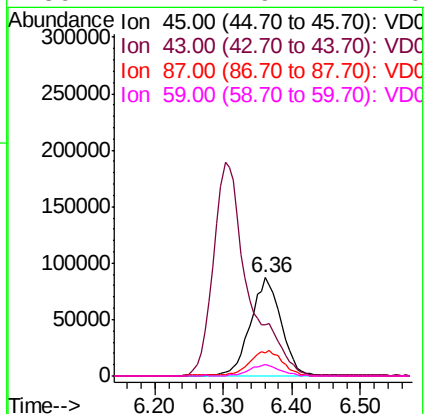
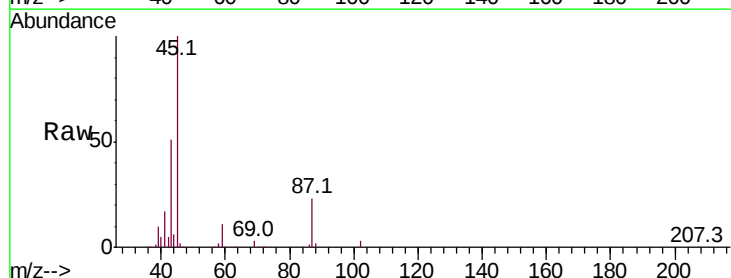
Ion Ratio Lower Upper

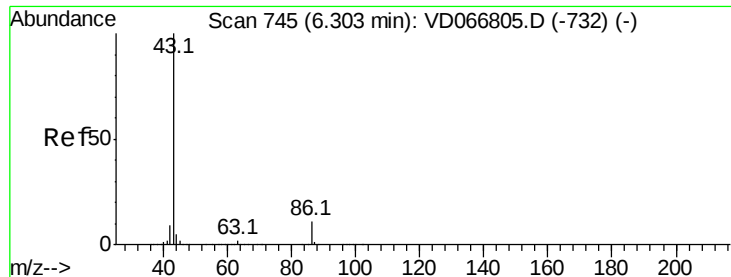
45 100

43 50.8 44.5 66.7

87 22.8 22.9 34.3#

59 11.2 9.4 14.0





#23

Vinyl Acetate

Concen: 99.767 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

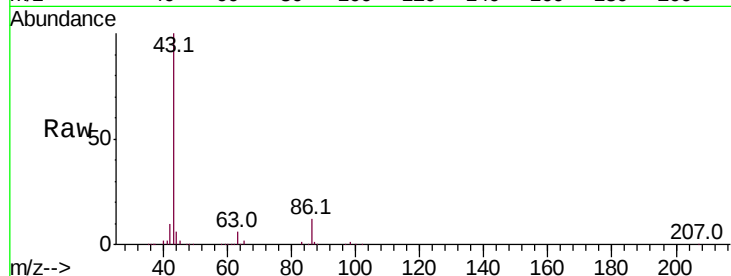
VD0922SBS01

Tot Ion: 43 Resp: 666262

Ion Ratio Lower Upper

43 100

86 11.5 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

200000

150000

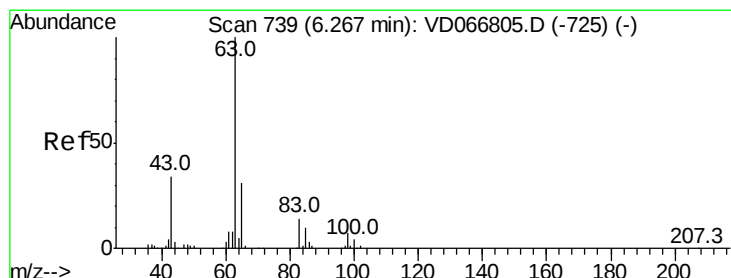
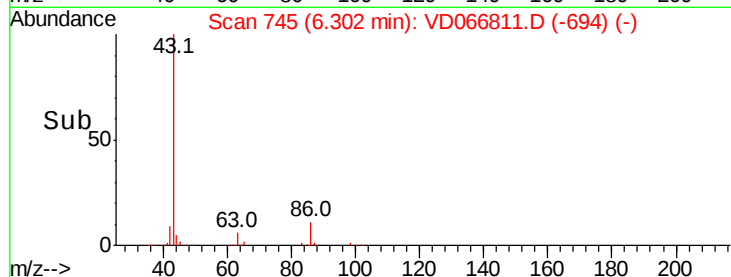
100000

50000

0

Time-->

6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 20.666 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

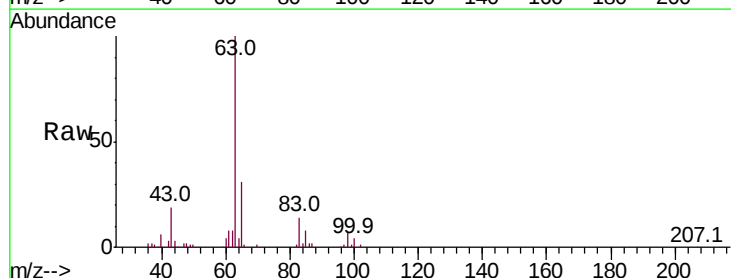
Tgt Ion: 63 Resp: 172868

Ion Ratio Lower Upper

63 100

98 7.4 3.7 11.1

100 3.8 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

60000

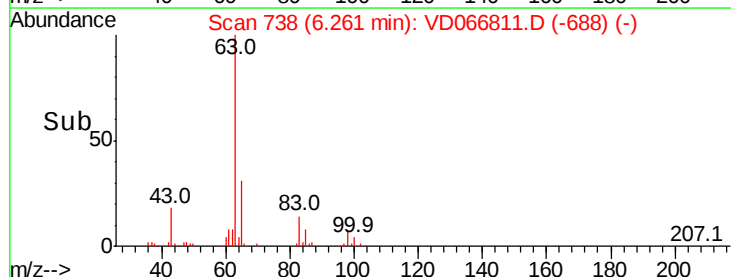
40000

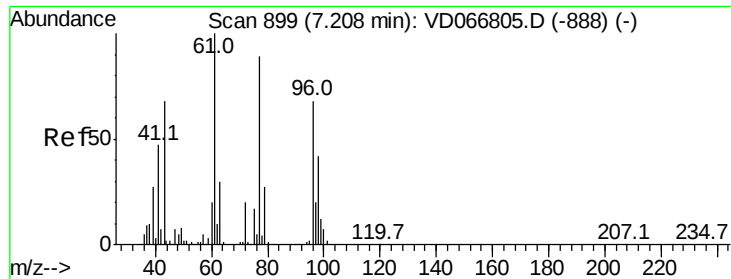
20000

0

Time-->

6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 98.250 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

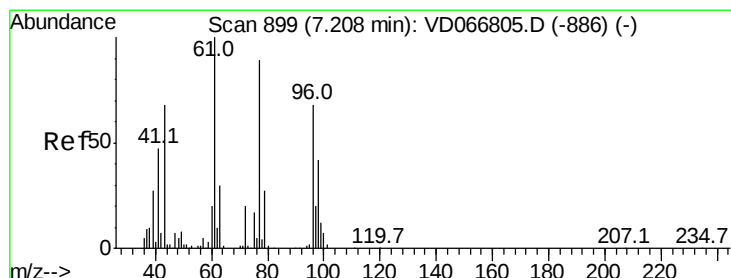
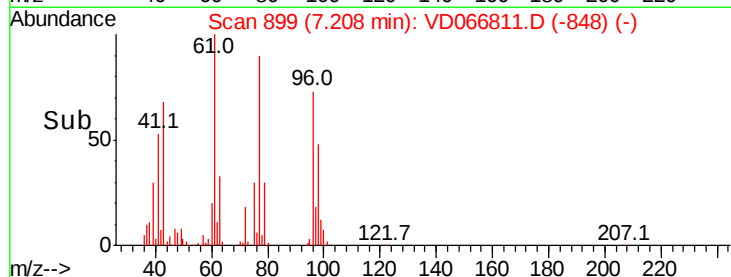
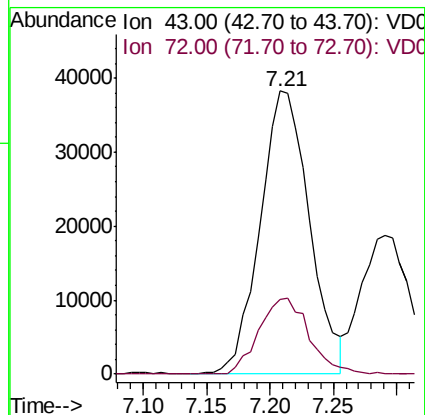
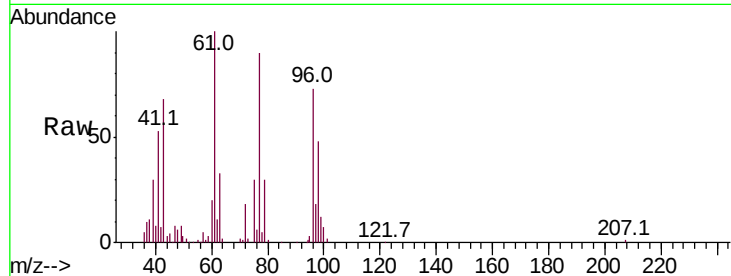
VD0922SBSD01

Tot Ion: 43 Resp: 103679

Ion Ratio Lower Upper

43 100

72 26.5 22.9 34.3



#26

2,2-Dichloropropane

Concen: 20.569 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066811.D

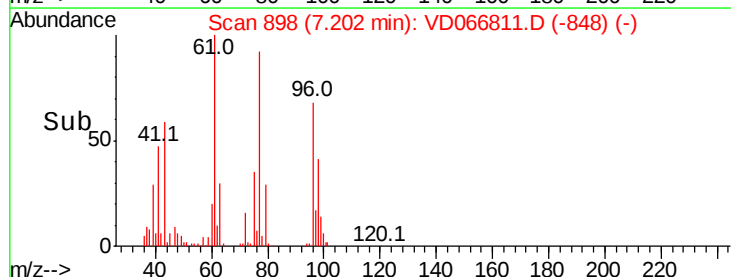
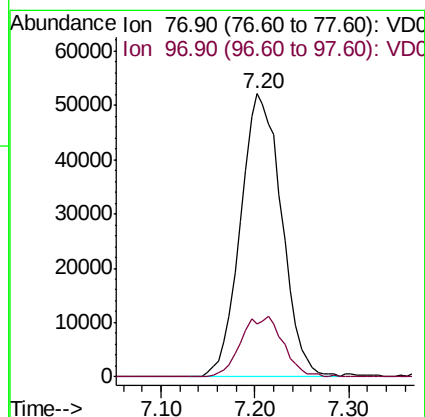
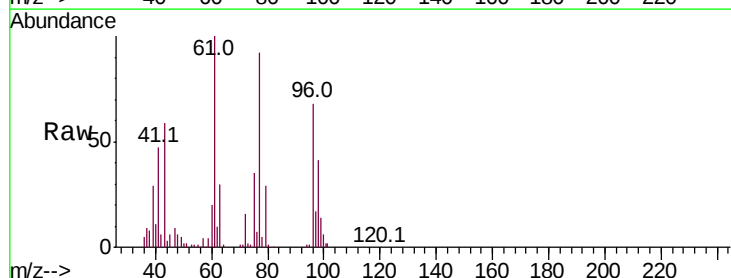
Acq: 22 Sep 2020 15:23

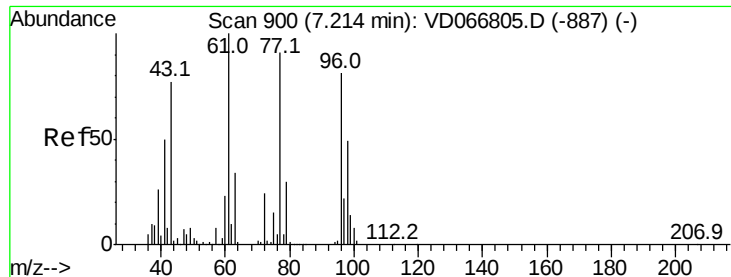
Tgt Ion: 77 Resp: 157701

Ion Ratio Lower Upper

77 100

97 21.7 11.7 35.1



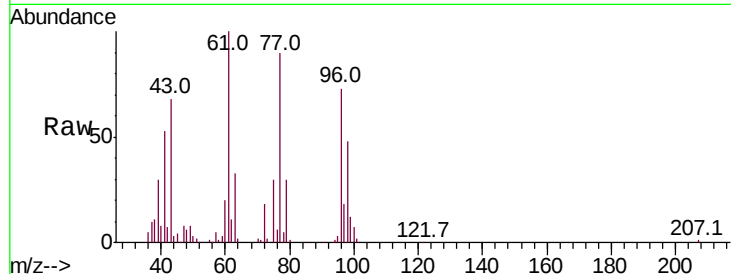


#27

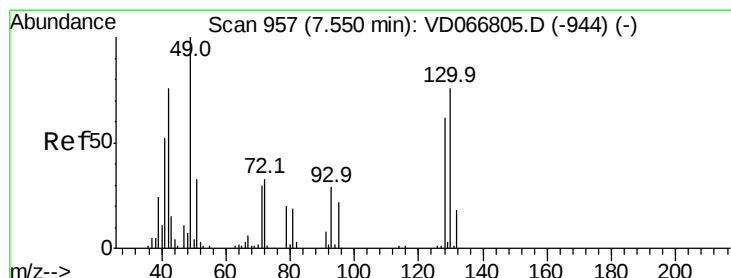
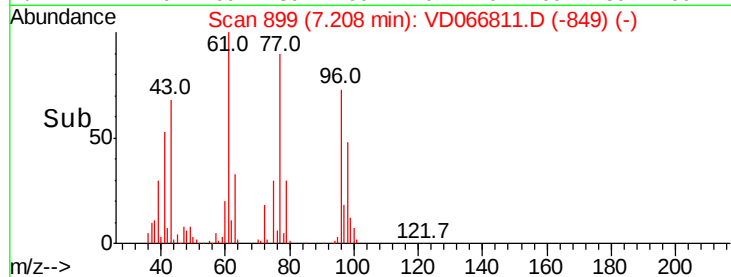
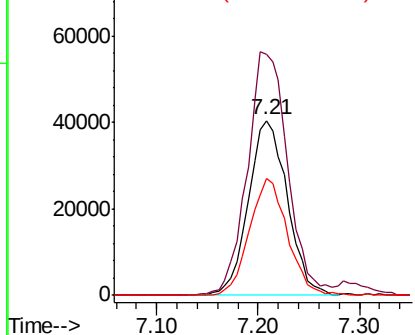
cis-1,2-Dichloroethene
Concen: 20.855 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

Tot Ion	96	Resp	108656
Ion	Ratio	Lower	Upper
96	100		
61	144.5	0.0	283.8
98	65.2	0.0	128.4



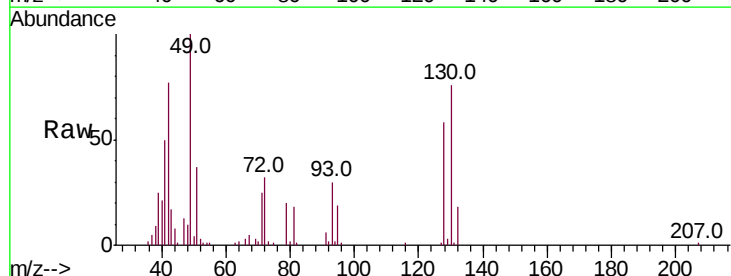
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



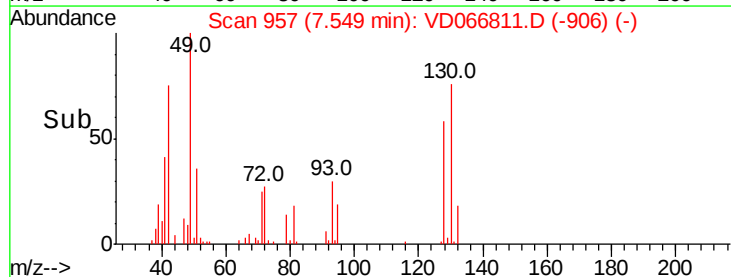
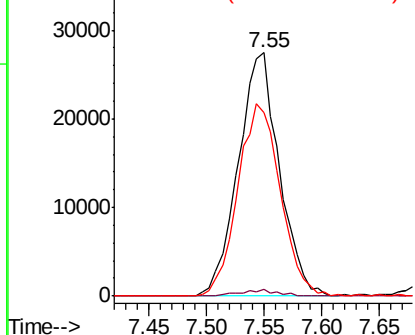
#28

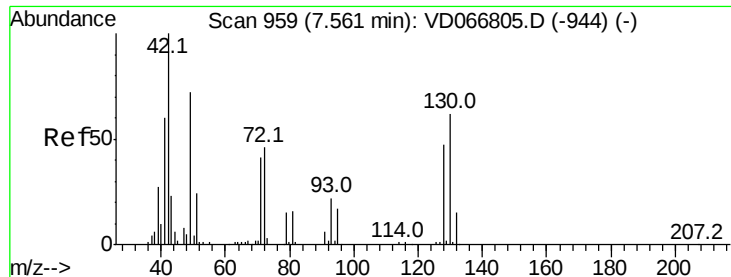
Bromochloromethane
Concen: 19.672 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Tgt Ion	49	Resp	67981
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	2.0#
130	81.5	65.9	98.9



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

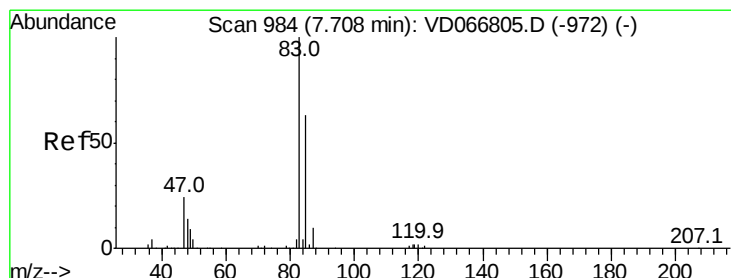
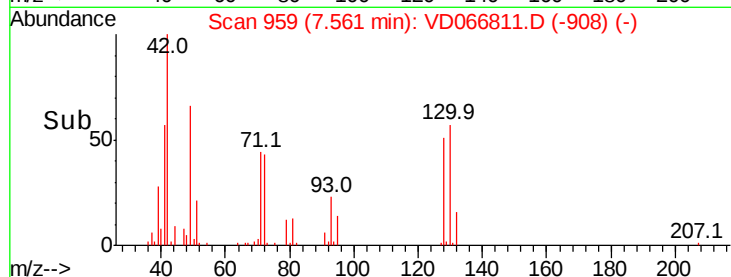
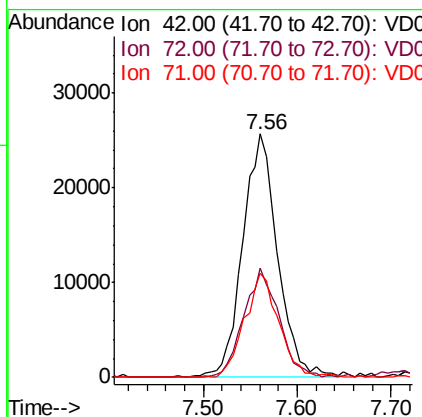
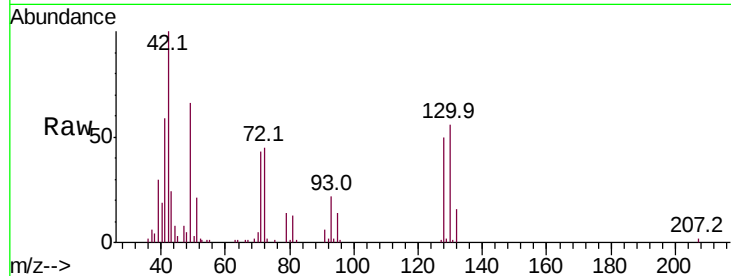




#29
Tetrahydrofuran
Concen: 97.699 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

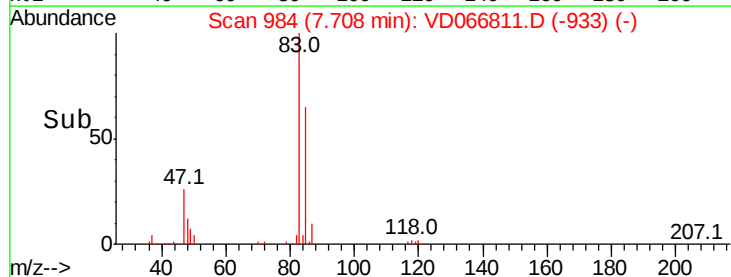
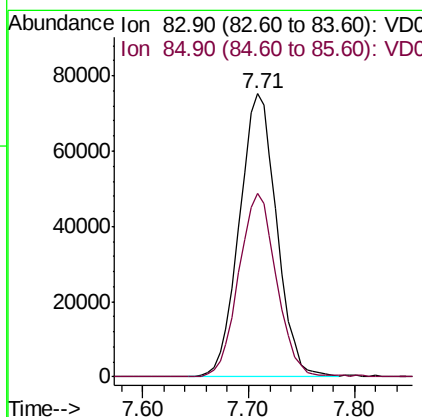
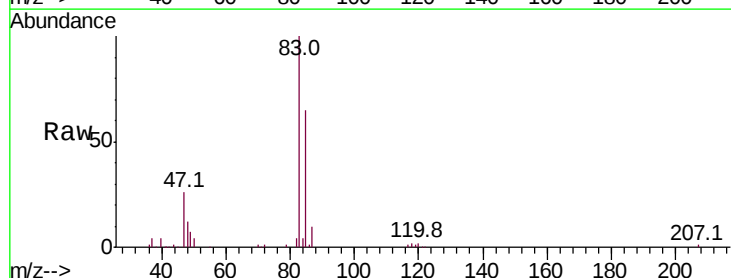
Instrument :
MSVOA_D
ClientSampleId :
VD0922SBSD01

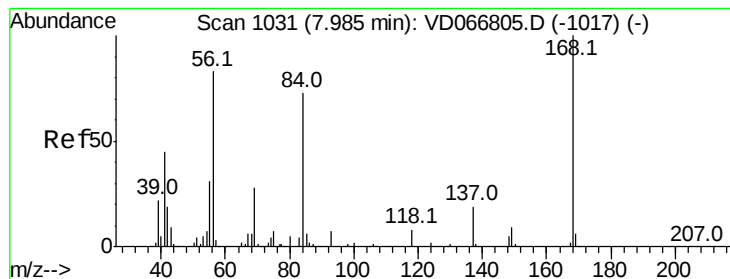
Tot Ion: 42 Resp: 66060
Ion Ratio Lower Upper
42 100
72 45.0 36.2 54.4
71 41.6 32.4 48.6



#30
Chloroform
Concen: 20.439 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Tgt Ion: 83 Resp: 184290
Ion Ratio Lower Upper
83 100
85 64.6 50.6 75.8





#31

Cyclohexane

Concen: 21.070 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleID :

VD0922SBSD01

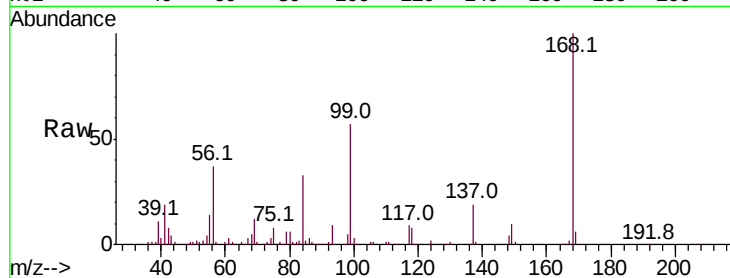
Tot Ion: 56 Resp: 158583

Ion Ratio Lower Upper

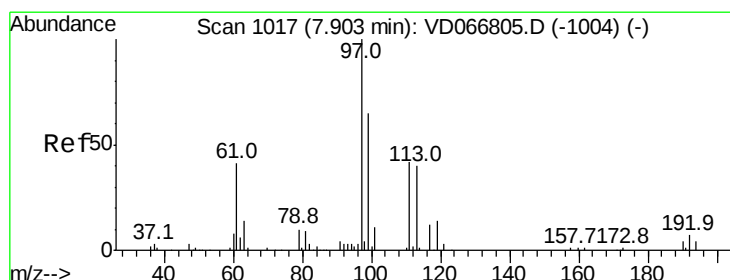
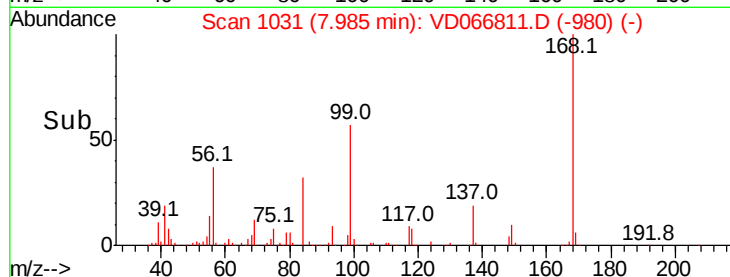
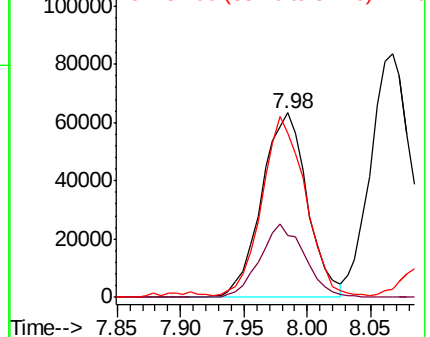
56 100

69 33.6 27.0 40.4

84 86.0 70.2 105.4



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



#32

1,1,1-Trichloroethane

Concen: 20.891 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

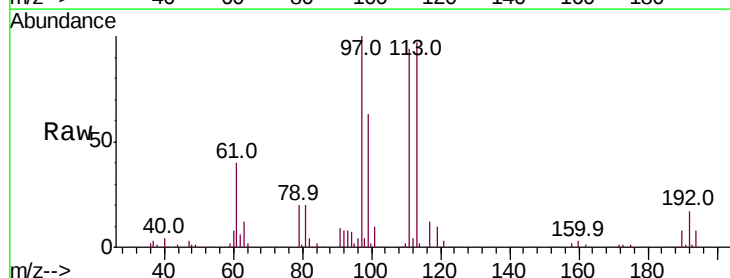
Tgt Ion: 97 Resp: 170399

Ion Ratio Lower Upper

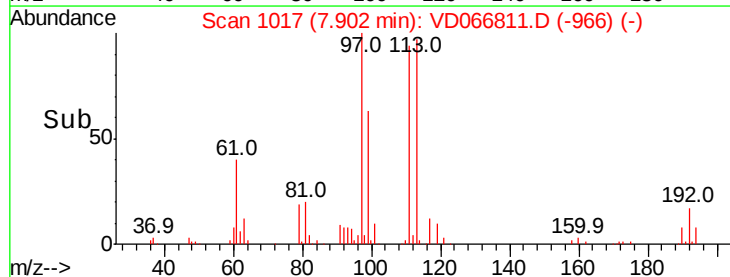
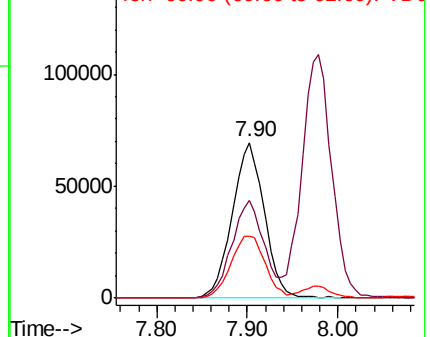
97 100

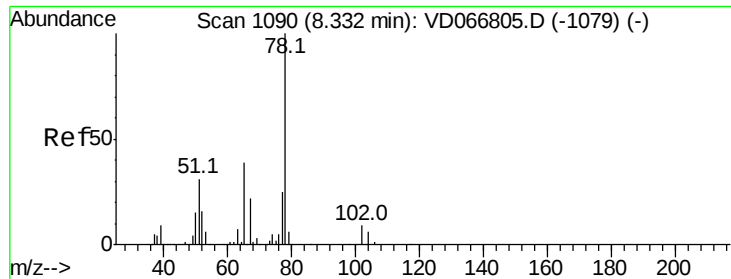
99 63.9 51.5 77.3

61 42.9 34.2 51.4



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 46.845 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

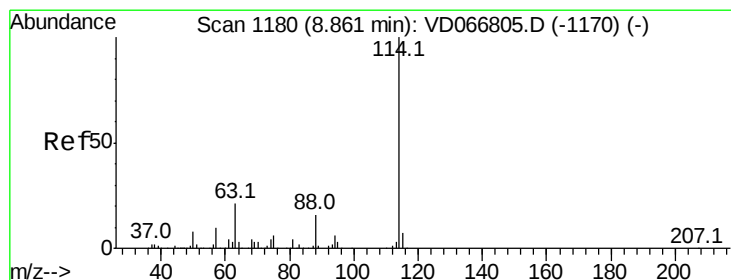
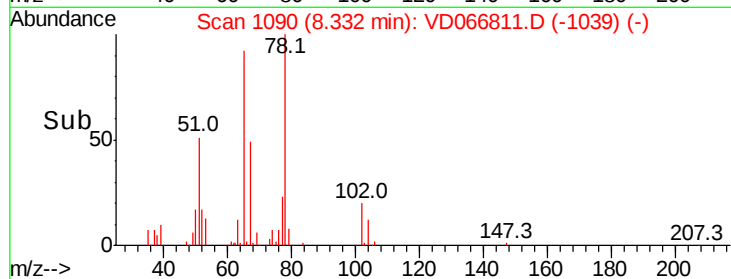
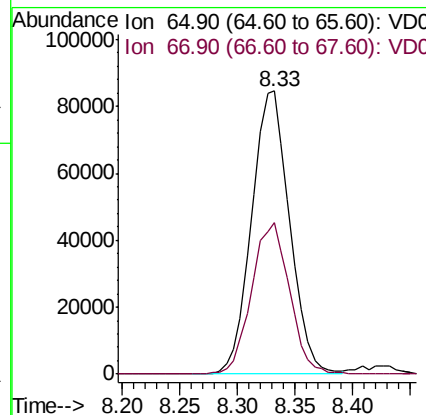
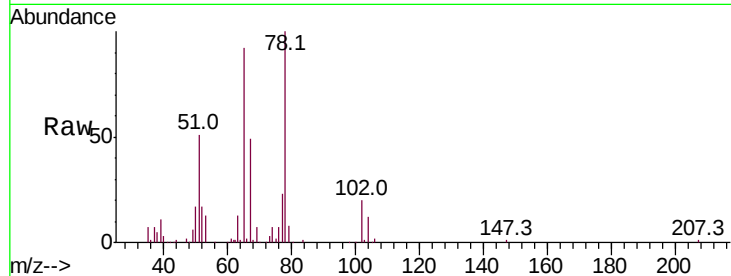
VD0922SBSD01

Tot Ion: 65 Resp: 193910

Ion Ratio Lower Upper

65 100

67 53.6 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

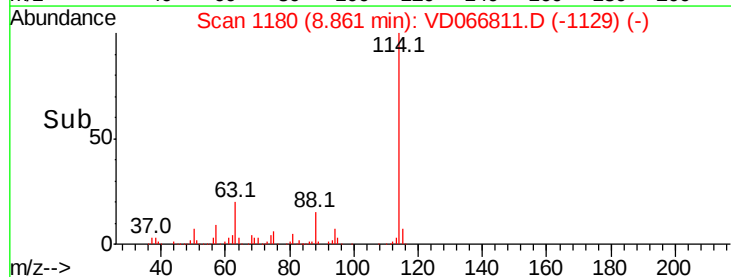
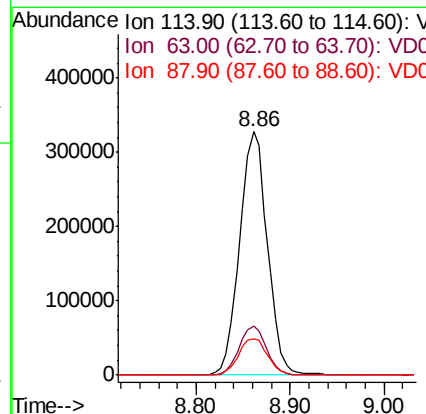
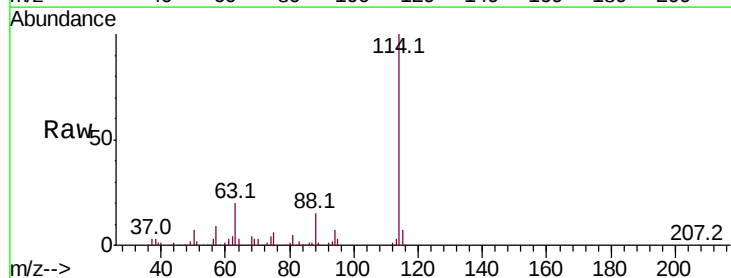
Tgt Ion: 114 Resp: 670496

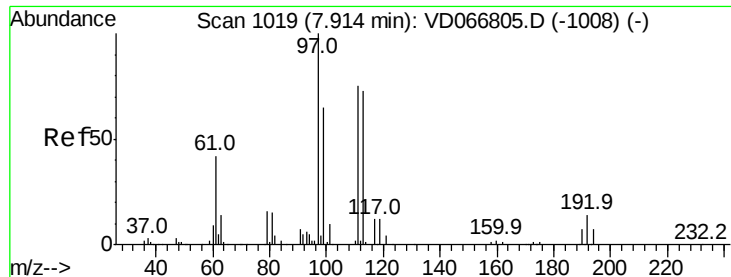
Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.6

88 15.1 0.0 32.6

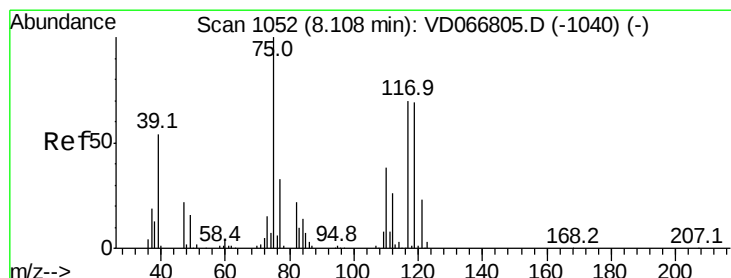
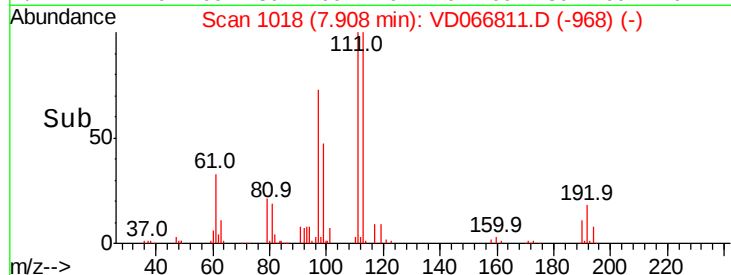
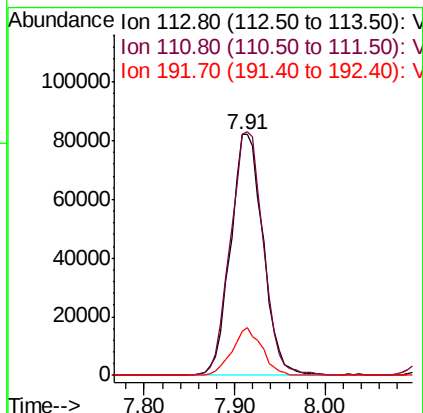
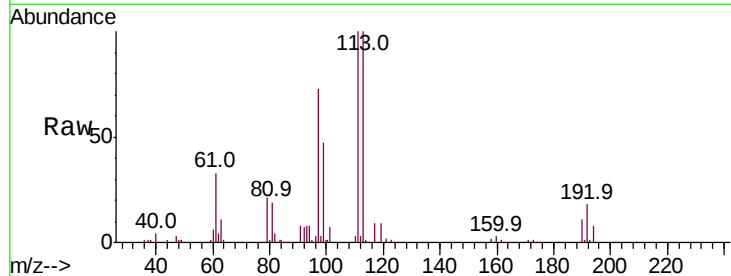




#35
 Dibromofluoromethane
 Concen: 48.096 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066811.D
 Acq: 22 Sep 2020 15:23

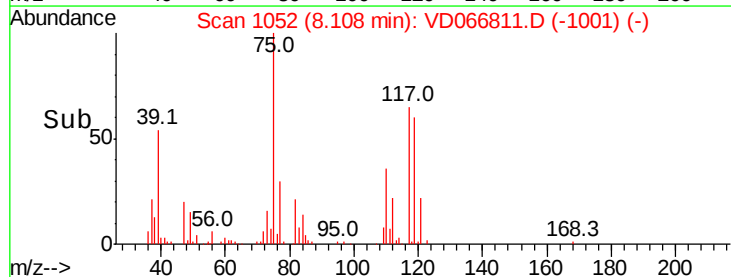
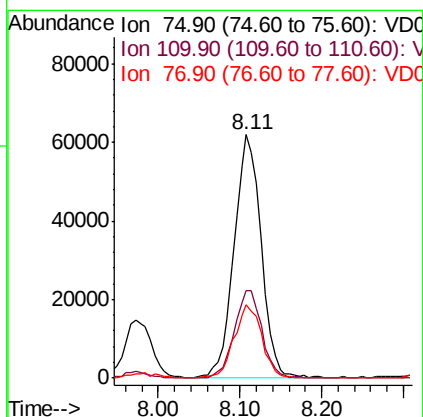
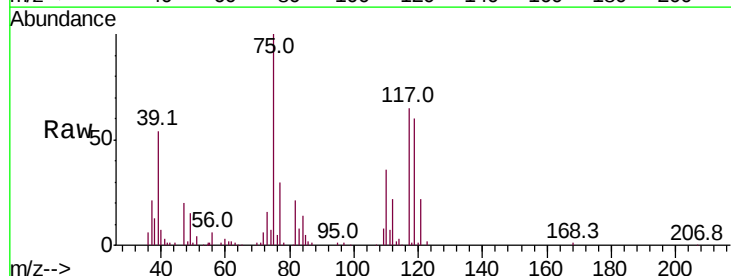
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBSD01

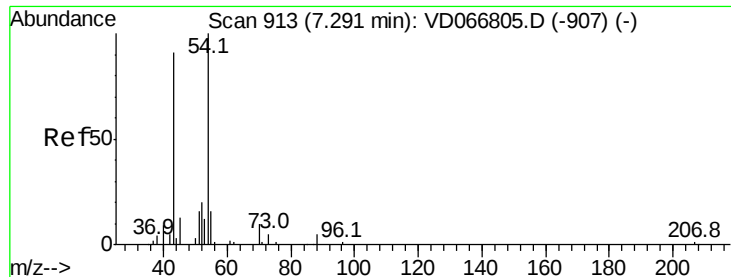
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.8	122.8
192	18.0	14.4	21.6



#36
 1,1-Dichloropropene
 Concen: 21.519 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066811.D
 Acq: 22 Sep 2020 15:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	17.9	53.8
77	30.7	25.0	37.6

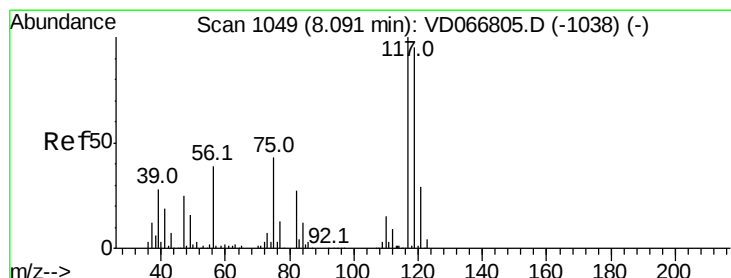
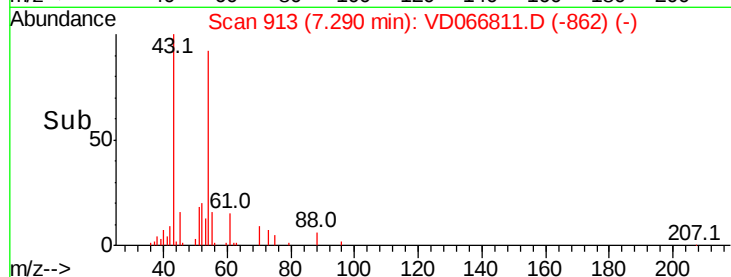
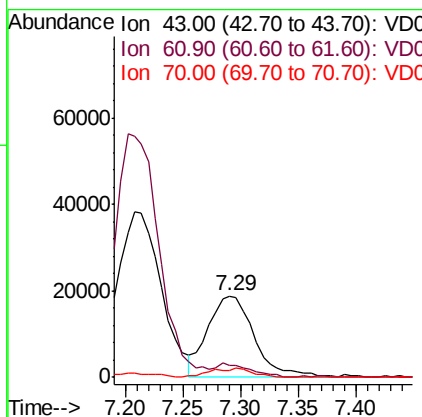
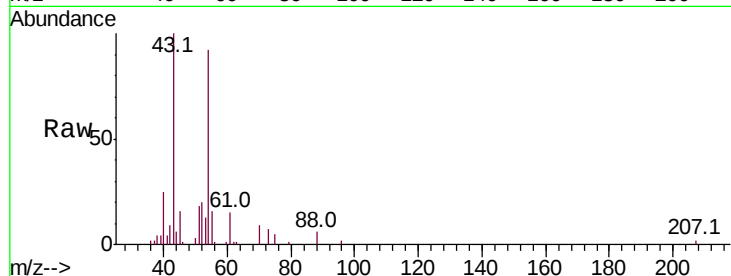




#37
Ethyl Acetate
Concen: 21.380 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

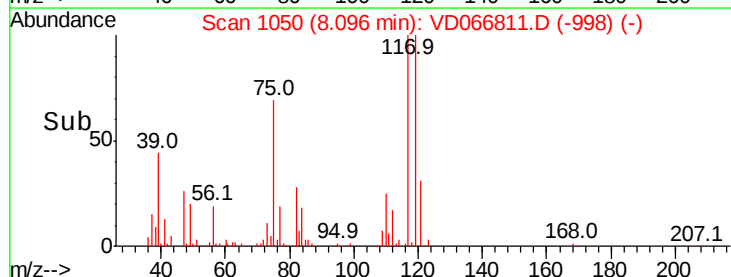
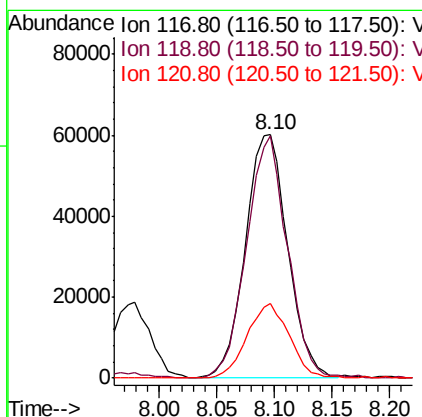
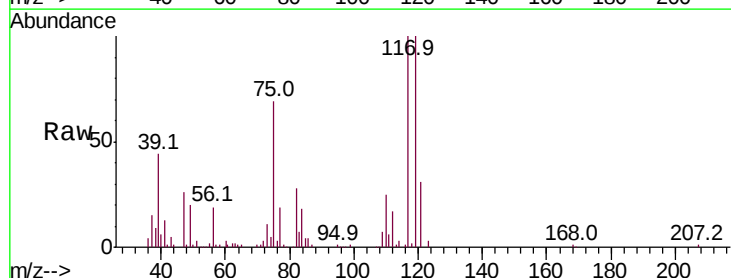
Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

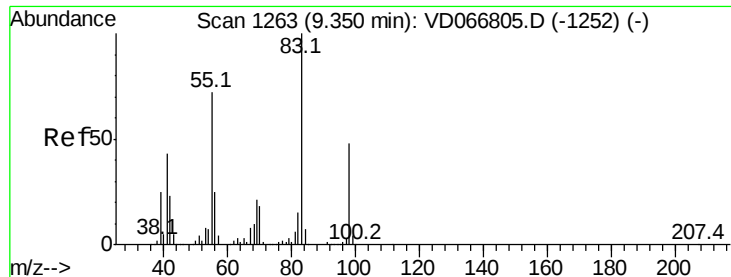
Tot Ion: 43 Resp: 51413
Ion Ratio Lower Upper
43 100
61 12.2 9.8 14.8
70 10.6 8.5 12.7



#38
Carbon Tetrachloride
Concen: 21.213 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Tgt Ion: 117 Resp: 154270
Ion Ratio Lower Upper
117 100
119 99.5 75.8 113.8
121 30.5 23.4 35.0

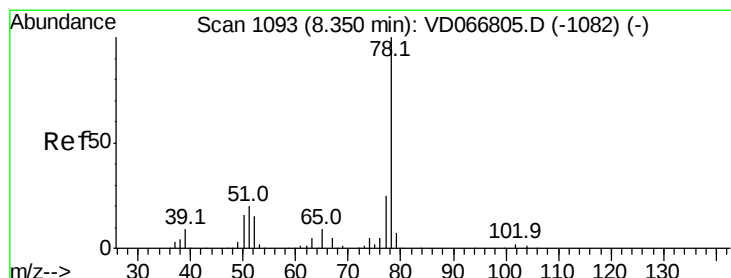
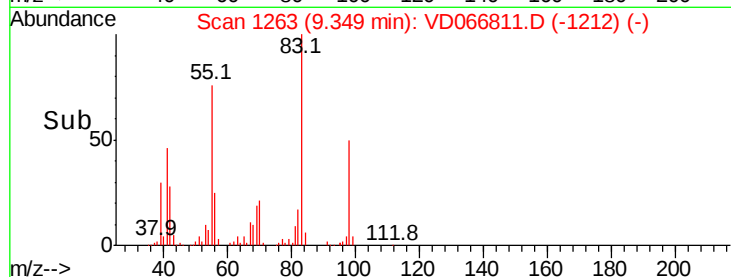
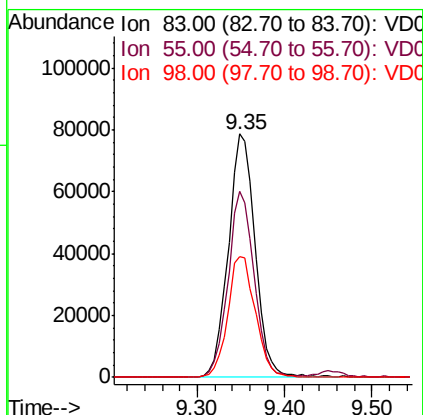
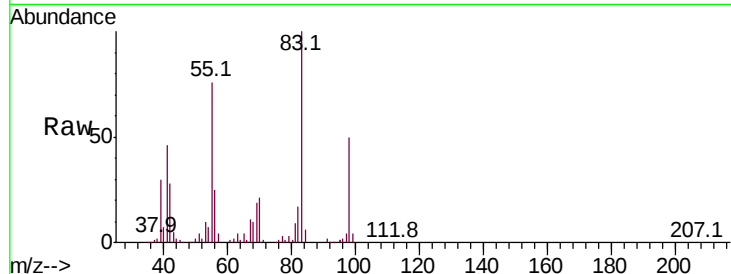




#39
Methvlcvclohexane
Concen: 21.469 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

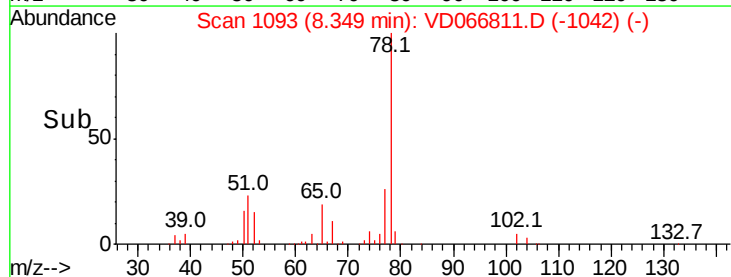
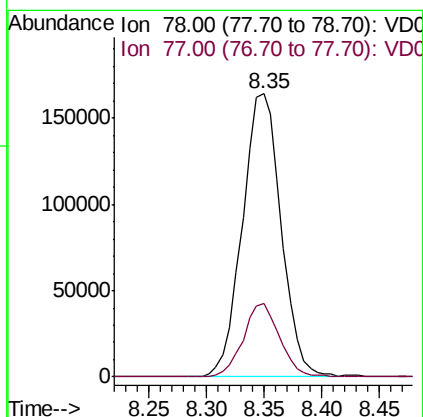
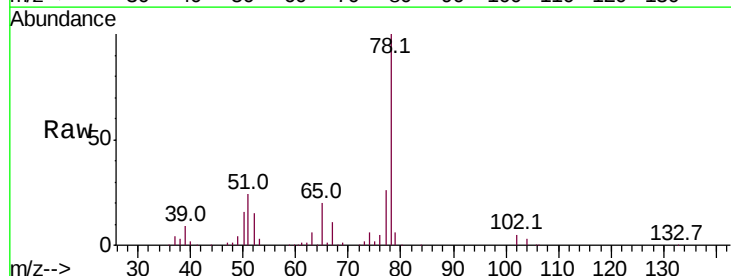
Instrument :
MSVOA_D
ClientSampleId :
VD0922SBSD01

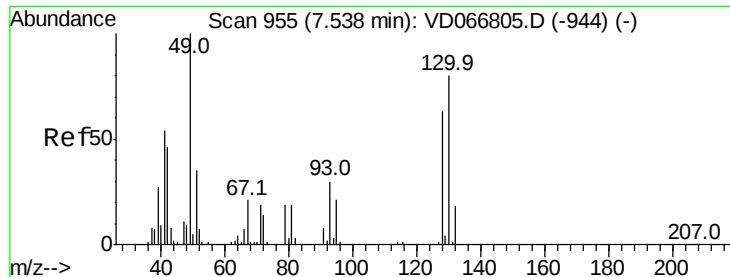
Tot Ion: 83 Resp: 163968
Ion Ratio Lower Upper
83 100
55 76.3 57.7 86.5
98 49.6 38.4 57.6



#40
Benzene
Concen: 20.704 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Tgt Ion: 78 Resp: 383832
Ion Ratio Lower Upper
78 100
77 26.1 19.9 29.9





#41

Methacrylonitrile

Concen: 17.068 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBSD01

Tot Ion: 41 Resp: 25240

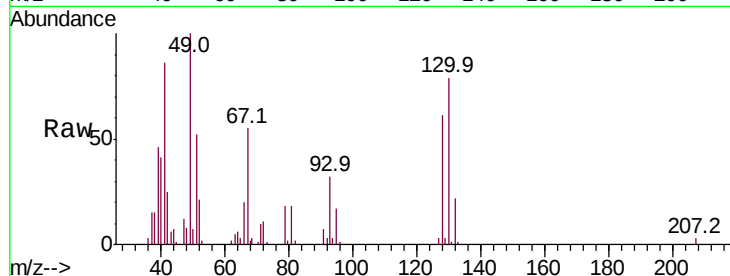
Ion Ratio Lower Upper

41 100

39 62.4 0.0 0.0#

67 82.6 0.0 0.0#

52 35.2 0.0 0.0#

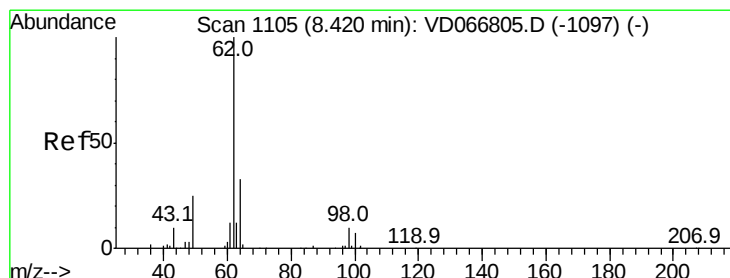
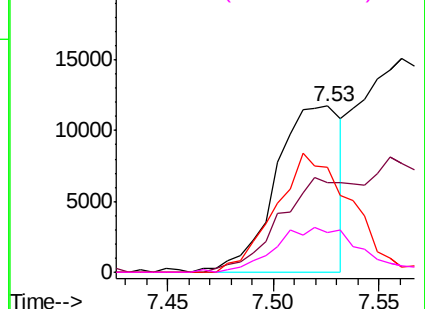
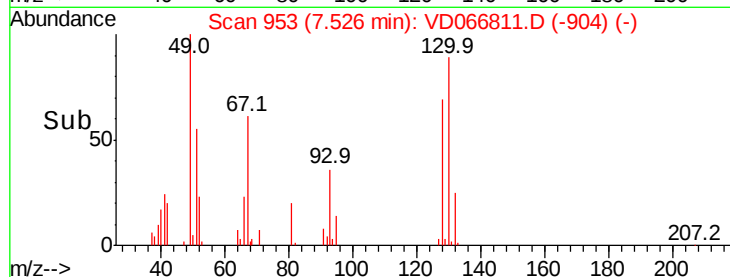


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.480 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.01 min

Lab File: VD066811.D

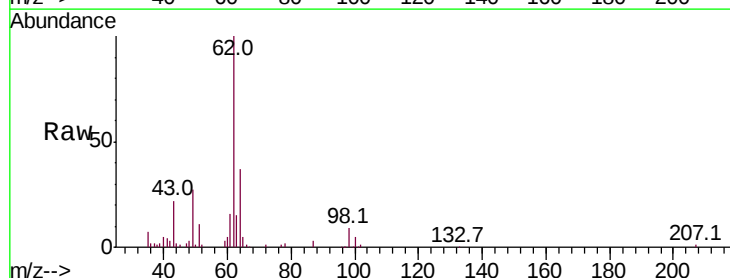
Acq: 22 Sep 2020 15:23

Tgt Ion: 62 Resp: 112241

Ion Ratio Lower Upper

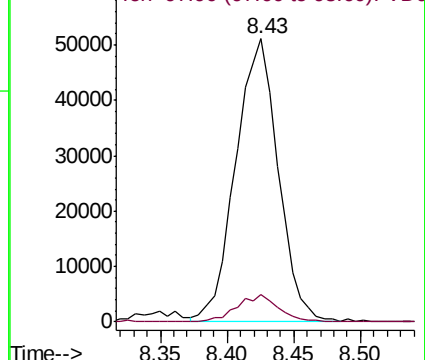
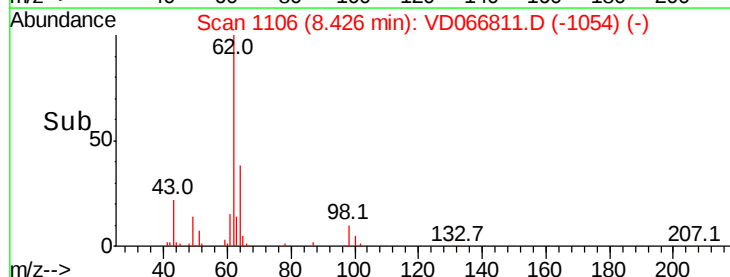
62 100

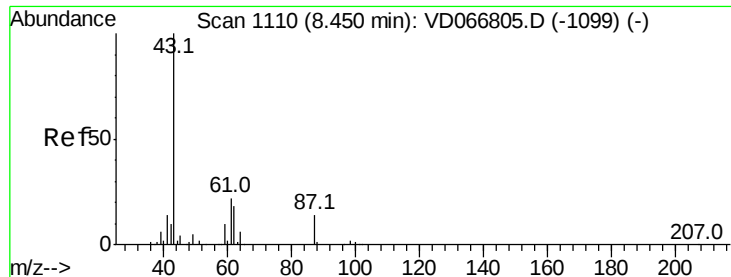
98 9.4 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 19.886 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBS01

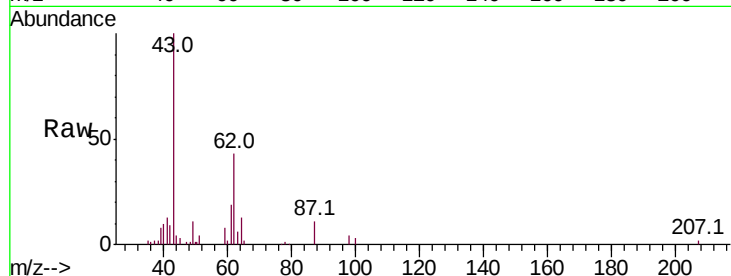
Tot Ion: 43 Resp: 92196

Ion Ratio Lower Upper

43 100

61 16.3 26.2 39.4#

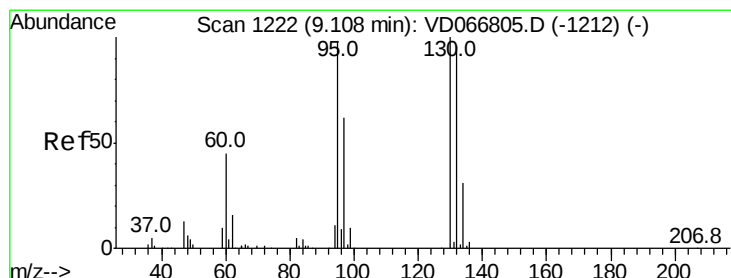
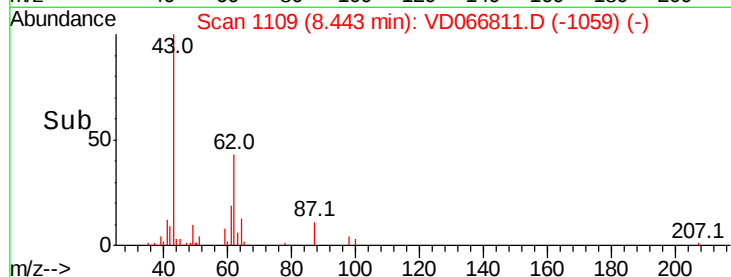
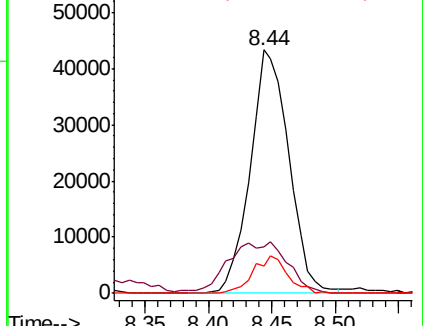
87 13.8 11.5 17.3



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: 20.679 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.00 min

Lab File: VD066811.D

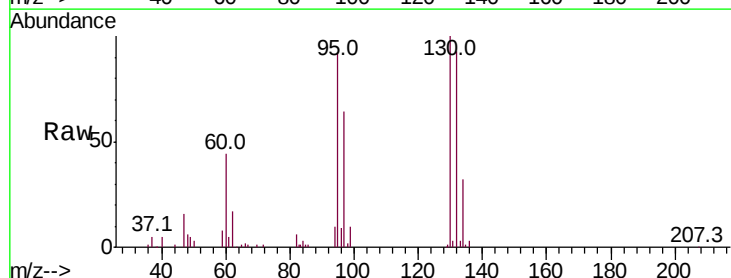
Acq: 22 Sep 2020 15:23

Tgt Ion: 130 Resp: 109272

Ion Ratio Lower Upper

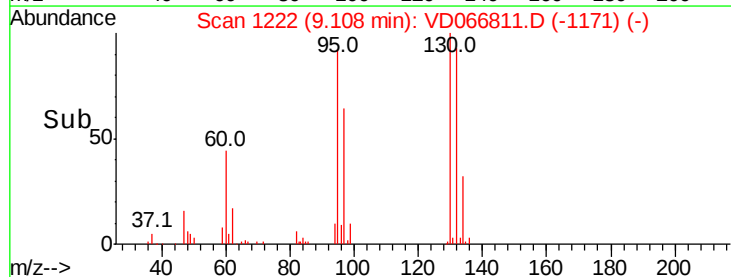
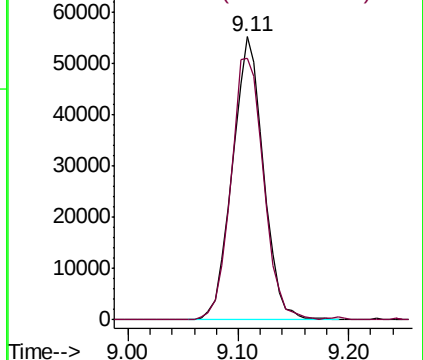
130 100

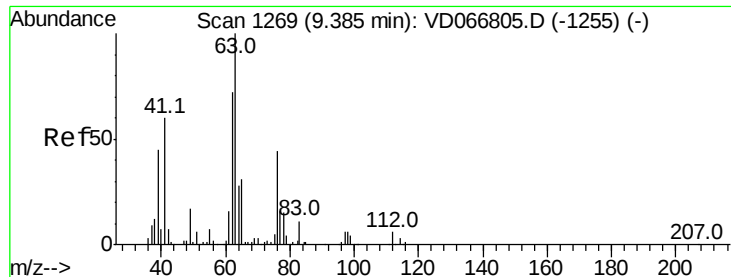
95 92.3 0.0 197.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.444 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

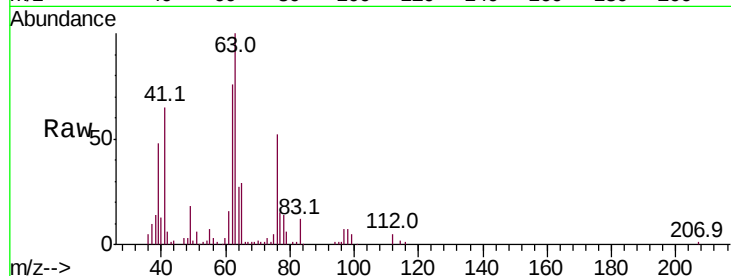
VD0922SBSD01

Tot Ion: 63 Resp: 95358

Ion Ratio Lower Upper

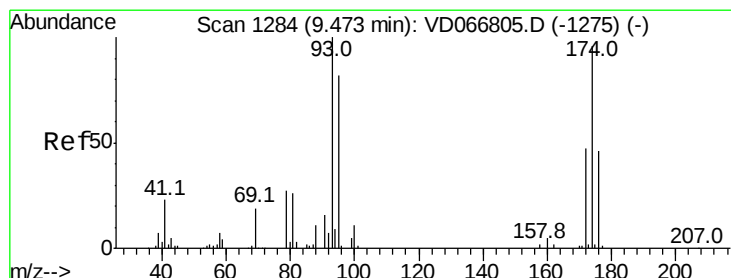
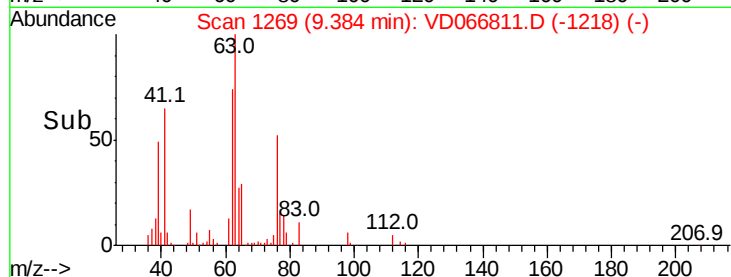
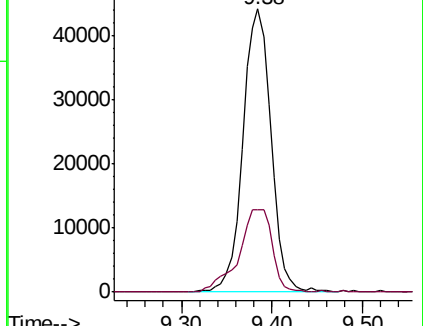
63 100

65 29.0 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.402 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

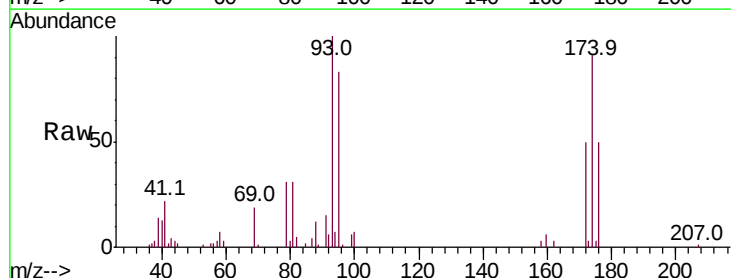
Tgt Ion: 93 Resp: 51704

Ion Ratio Lower Upper

93 100

95 82.3 65.3 97.9

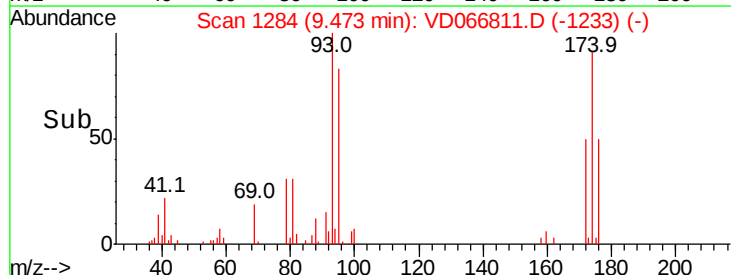
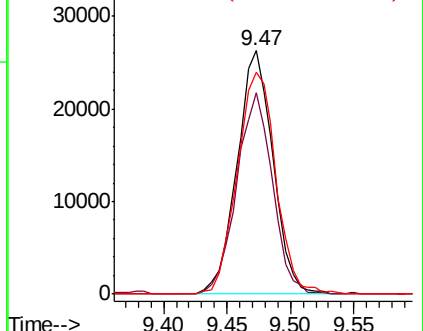
174 98.5 75.4 113.2

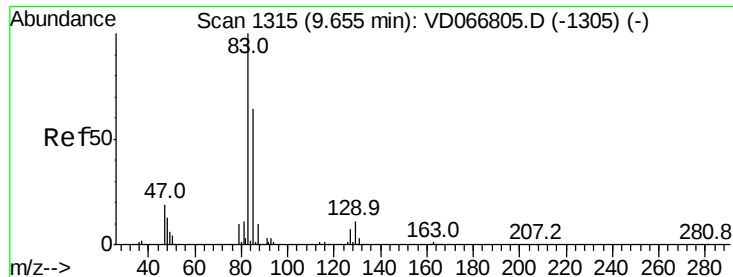


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.030 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBS01

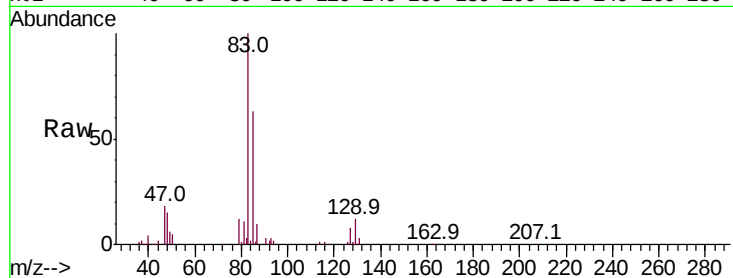
Tot Ion: 83 Resp: 143169

Ion Ratio Lower Upper

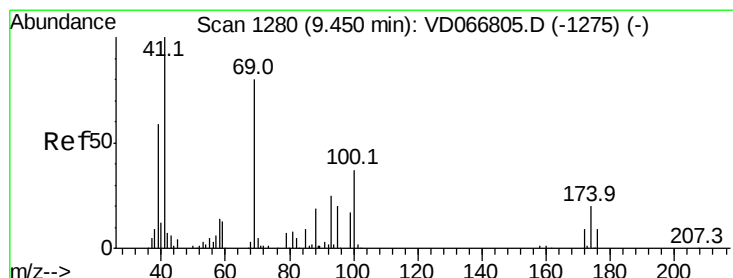
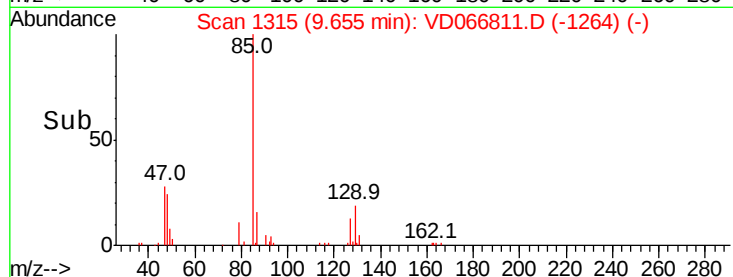
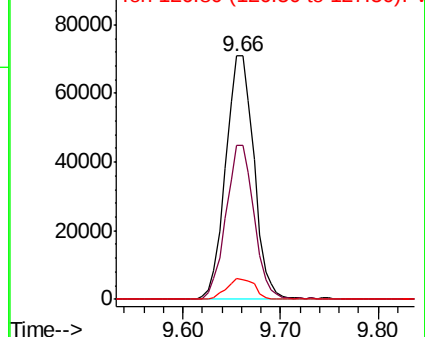
83 100

85 63.4 50.9 76.3

127 8.4 5.9 8.9



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



#48

Methyl methacrylate

Concen: 22.308 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.01 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

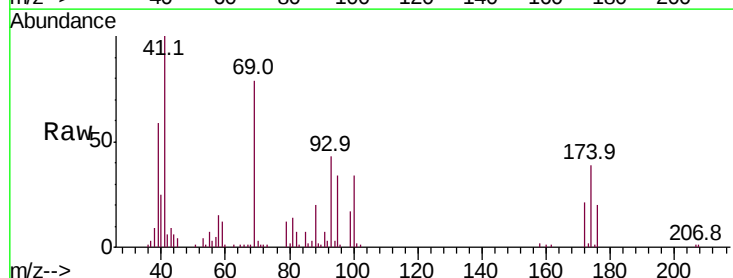
Tgt Ion: 41 Resp: 50993

Ion Ratio Lower Upper

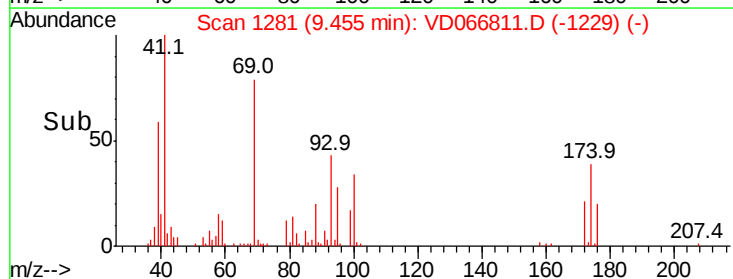
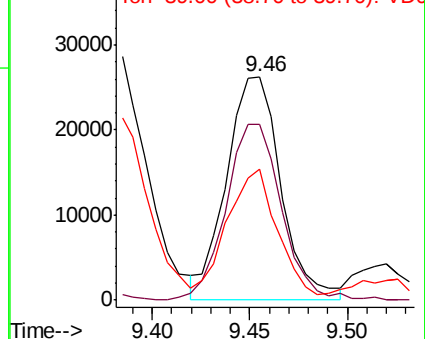
41 100

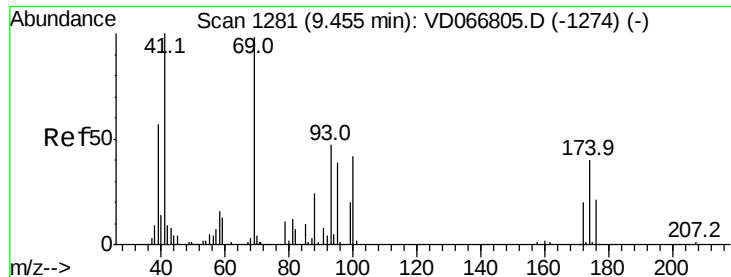
69 80.3 74.5 111.7

39 50.8 47.0 70.6



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: 295.712 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBS01

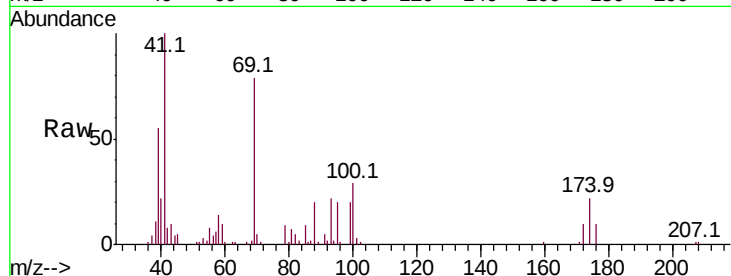
Tot Ion: 88 Resp: 10599

Ion Ratio Lower Upper

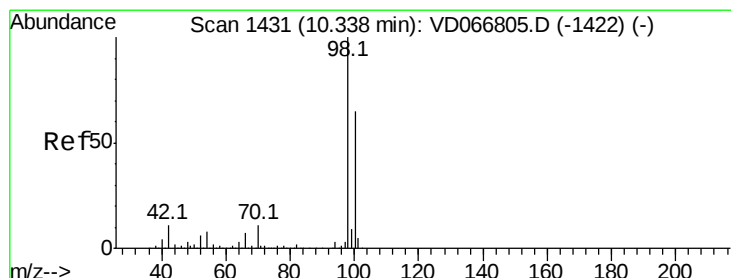
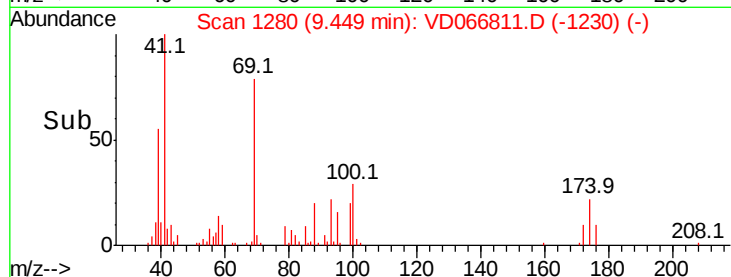
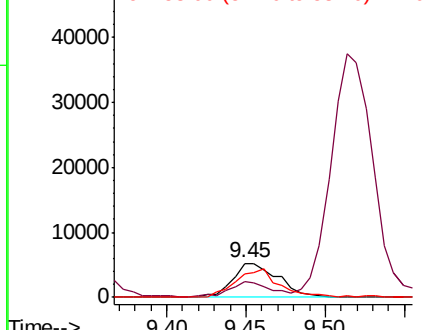
88 100

43 43.2 27.7 41.5#

58 77.5 55.5 83.3



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



#50

Toluene-d8

Concen: 50.290 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066811.D

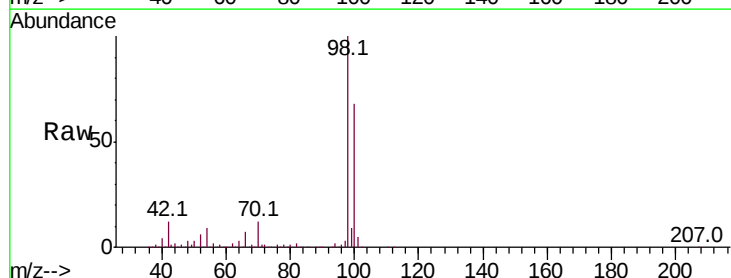
Acq: 22 Sep 2020 15:23

Tgt Ion: 98 Resp: 730915

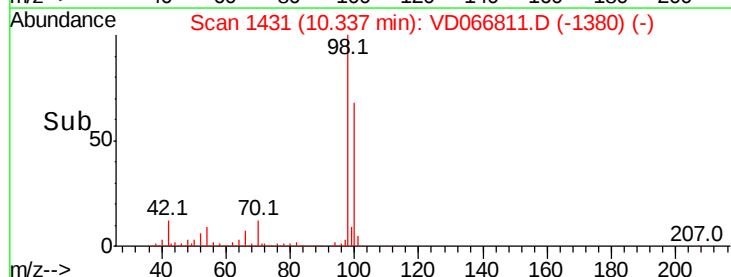
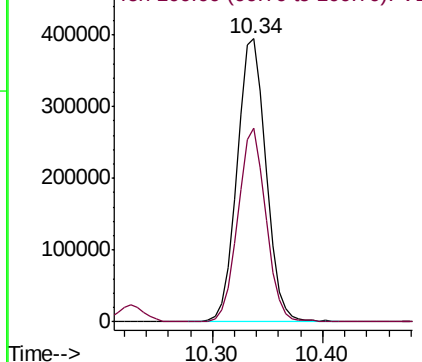
Ion Ratio Lower Upper

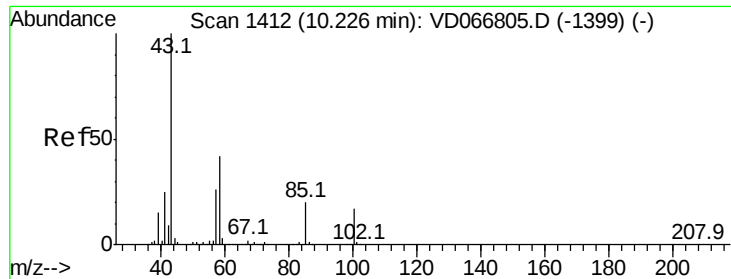
98 100

100 66.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 101.300 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

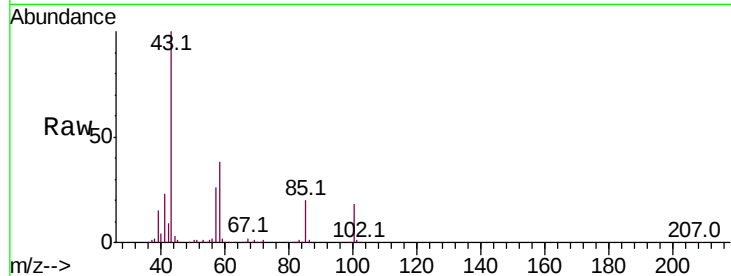
VD0922SBS01

Tot Ion: 43 Resp: 237969

Ion Ratio Lower Upper

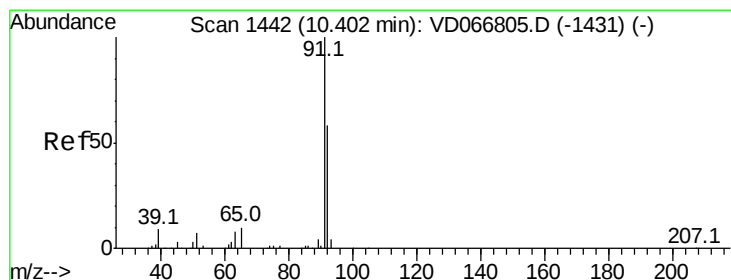
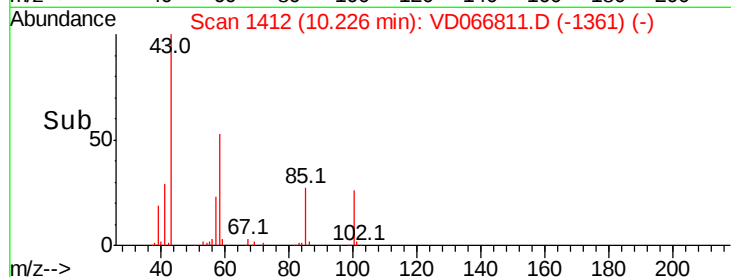
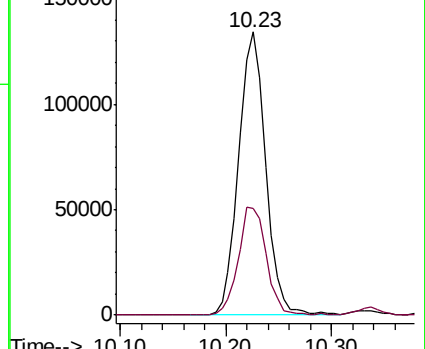
43 100

58 39.4 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.102 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066811.D

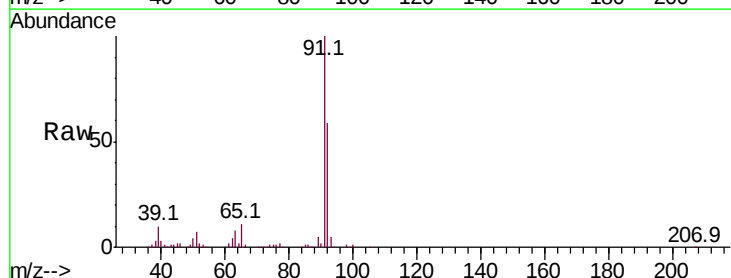
Acq: 22 Sep 2020 15:23

Tgt Ion: 92 Resp: 251983

Ion Ratio Lower Upper

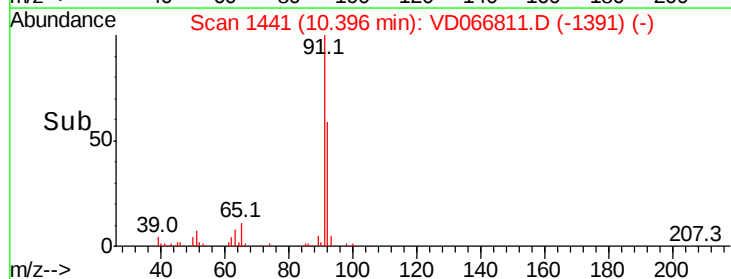
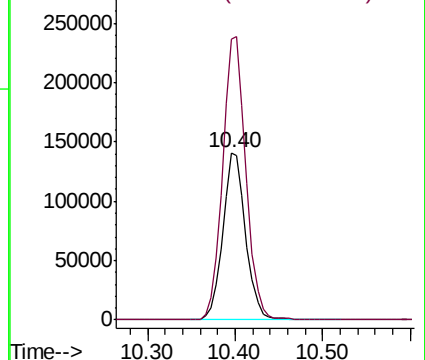
92 100

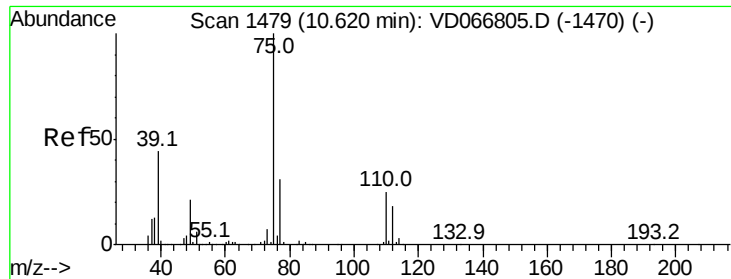
91 173.2 134.6 202.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.724 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

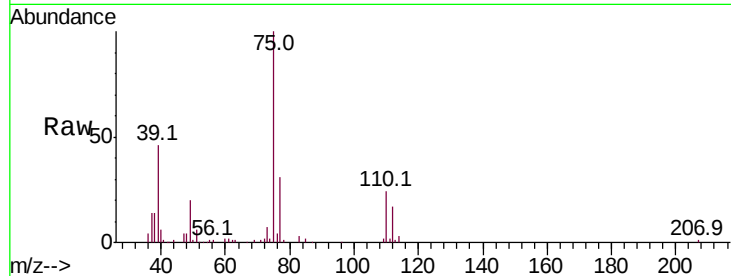
VD0922SBS01

Tot Ion: 75 Resp: 120083

Ion Ratio Lower Upper

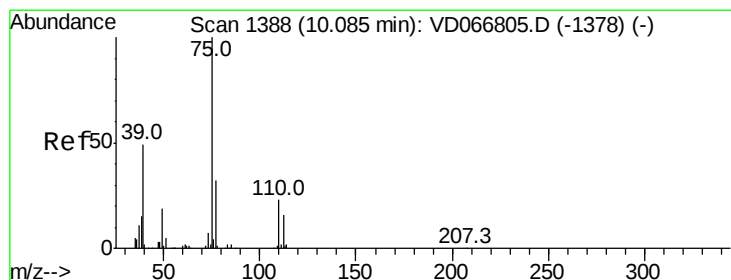
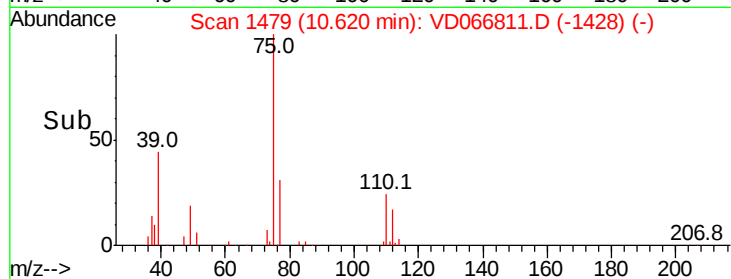
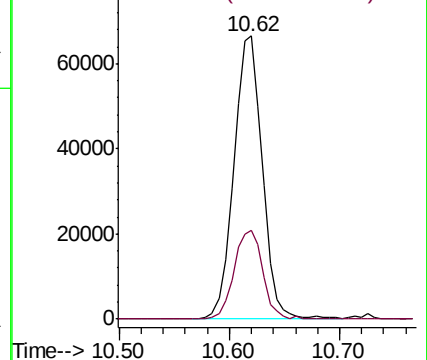
75 100

77 31.2 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.789 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

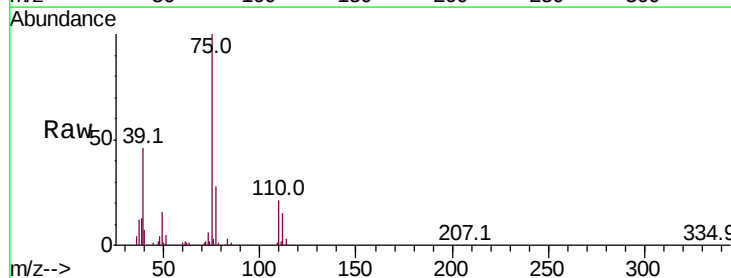
Tgt Ion: 75 Resp: 146880

Ion Ratio Lower Upper

75 100

77 27.8 25.6 38.4

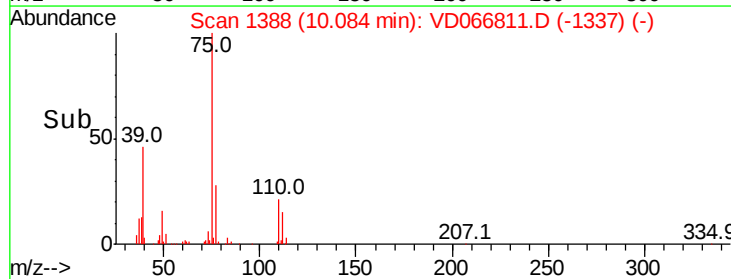
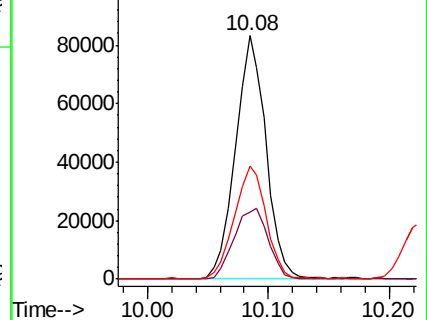
39 45.8 39.2 58.8

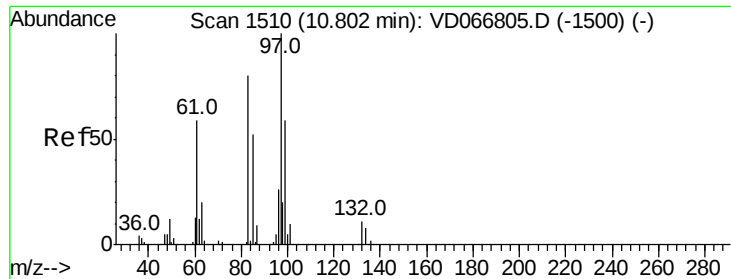


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

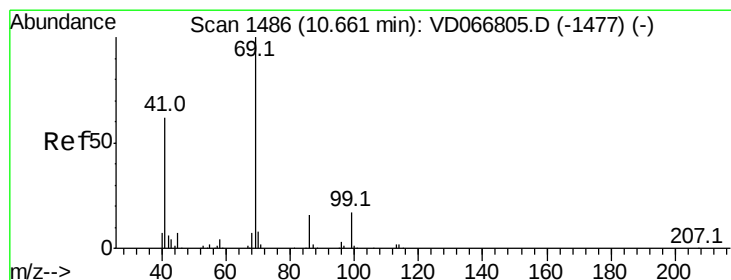
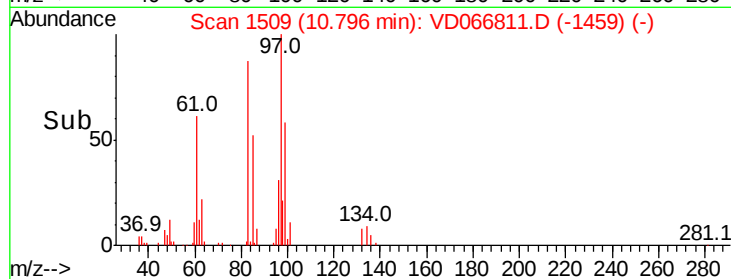
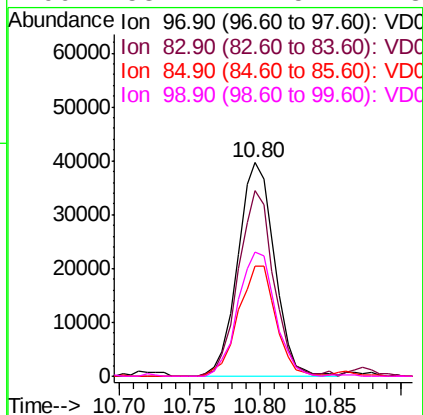
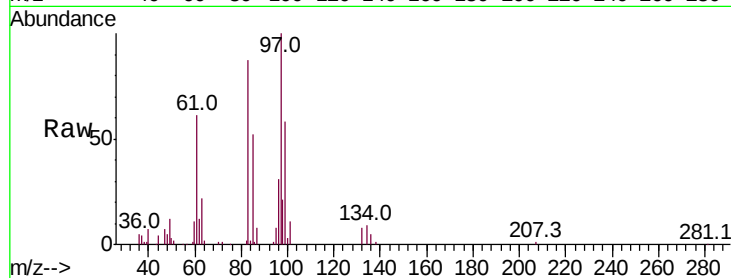




#55
 1,1,2-Trichloroethane
 Concen: 20.687 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066811.D
 Acq: 22 Sep 2020 15:23

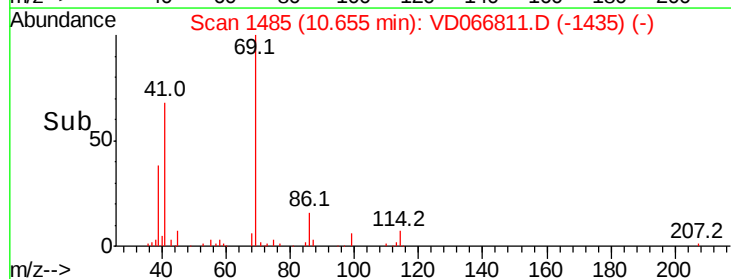
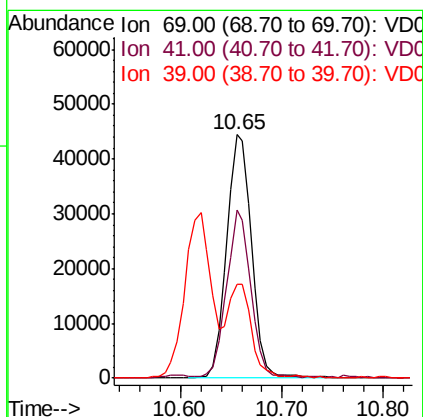
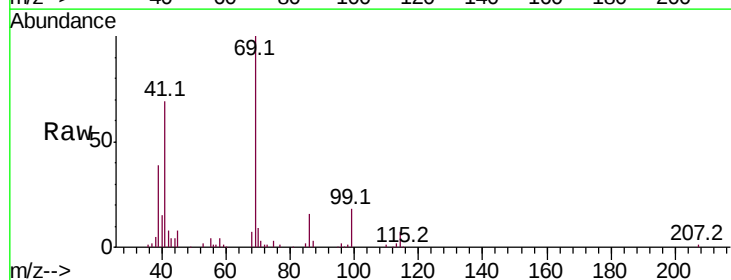
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBSD01

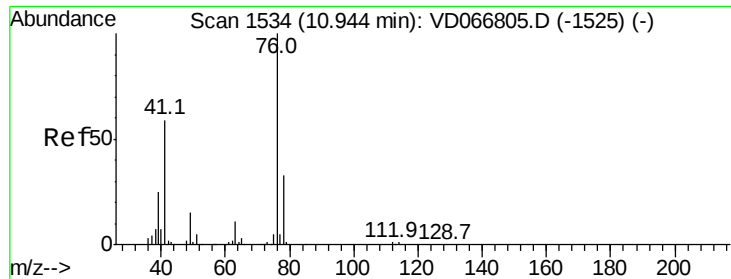
Tot Ion:	97	Resp:	72071
Ion	Ratio	Lower	Upper
97	100		
83	86.8	64.2	96.2
85	51.6	41.9	62.9
99	58.2	47.5	71.3



#56
 Ethyl methacrylate
 Concen: 20.360 ug/l
 RT: 10.65 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066811.D
 Acq: 22 Sep 2020 15:23

Tgt Ion:	69	Resp:	75988
Ion	Ratio	Lower	Upper
69	100		
41	65.7	52.2	78.2
39	32.5	26.6	40.0





#57

1,3-Dichloropropane

Concen: 20.374 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

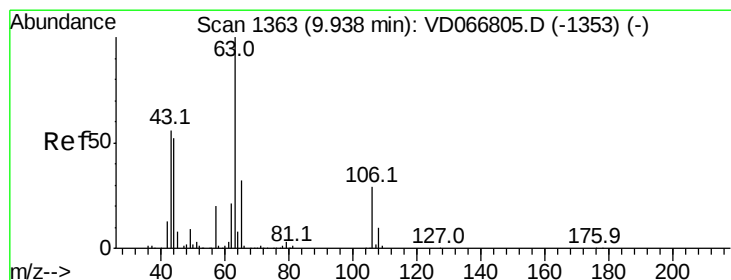
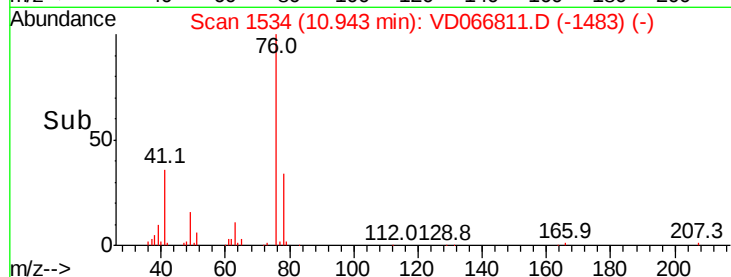
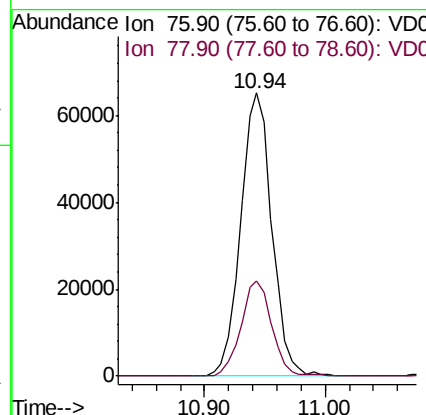
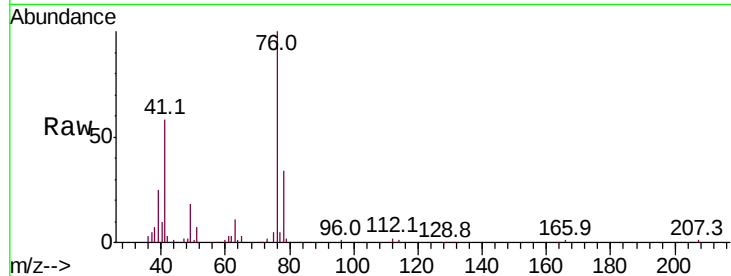
Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBSD01

Tot Ion: 76 Resp: 117208

Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.3	39.5



#58

2-Chloroethyl Vinyl ether

Concen: 109.028 ug/l

RT: 9.94 min Scan# 1363

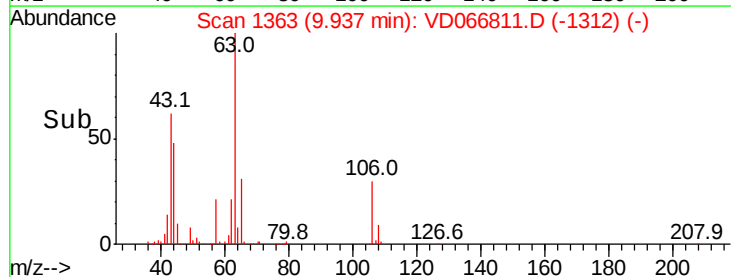
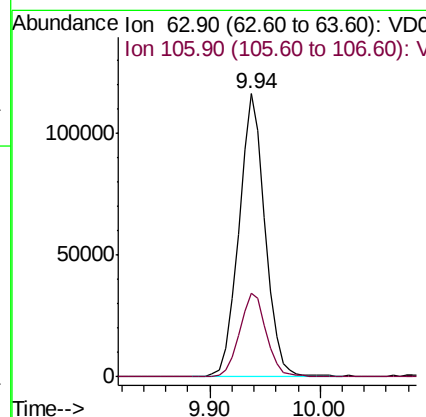
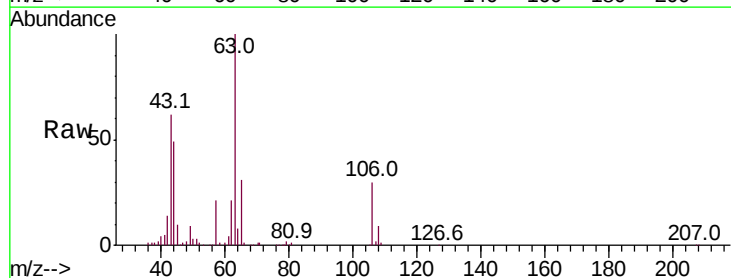
Delta R.T. -0.00 min

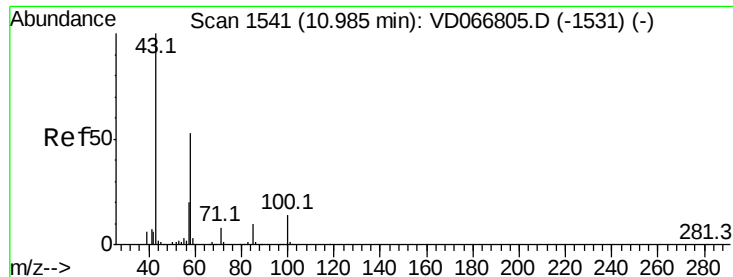
Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Tgt Ion: 63 Resp: 192672

Ion	Ratio	Lower	Upper
63	100		
106	30.3	23.8	35.6

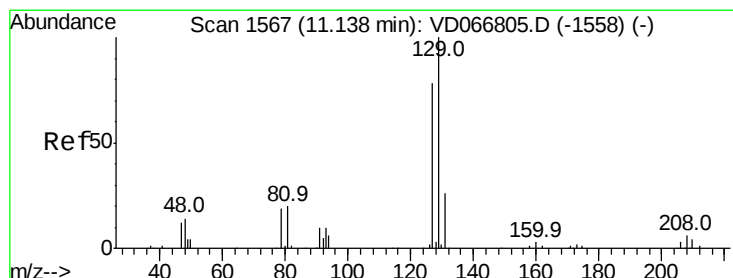
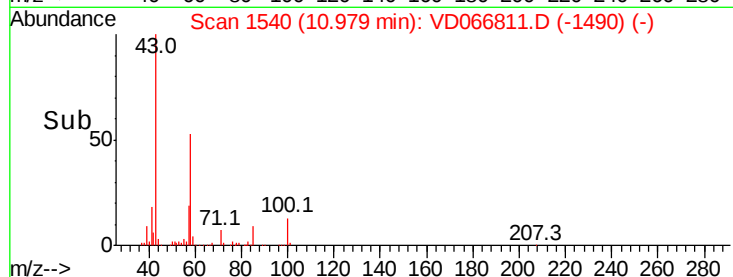
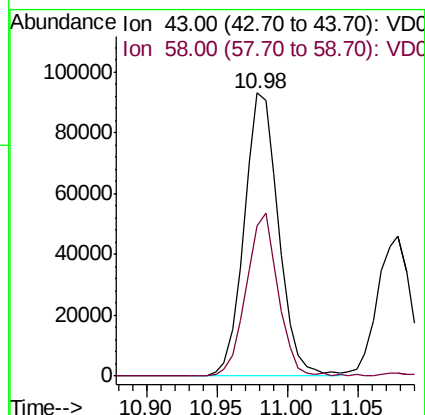
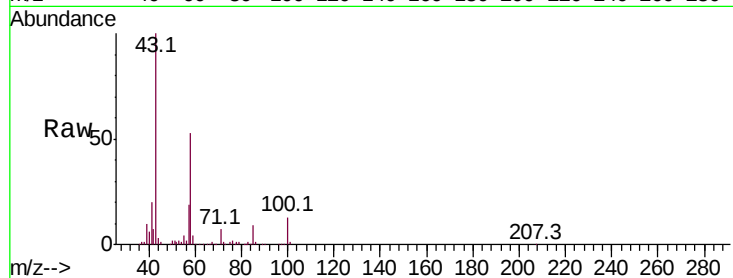




#59
2-Hexanone
Concen: 100.363 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

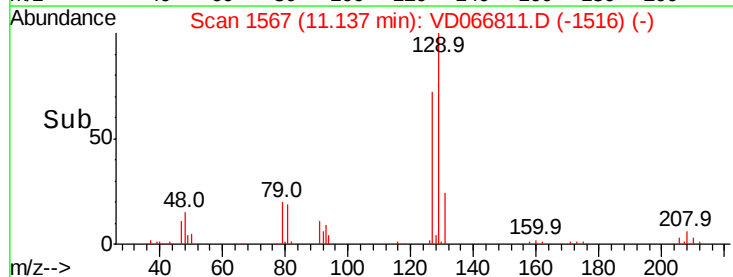
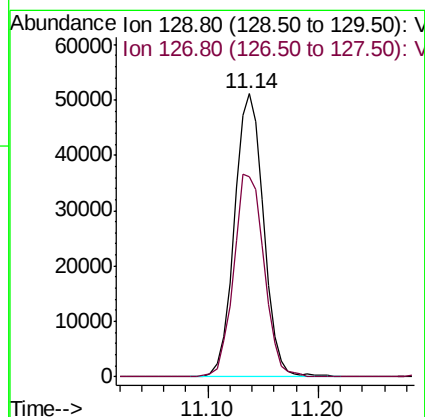
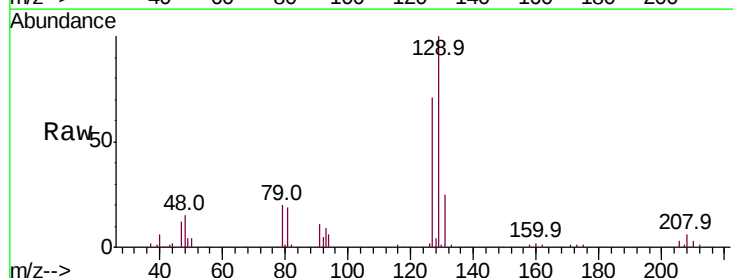
Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

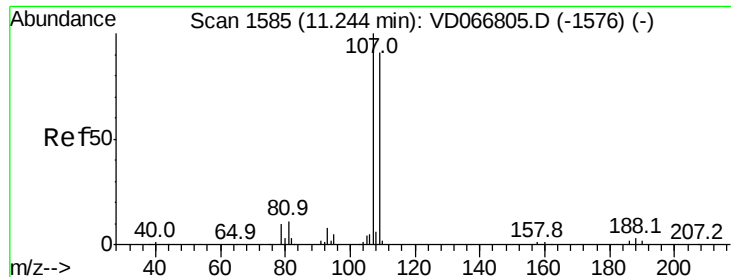
Tot Ion: 43 Resp: 158997
Ion Ratio Lower Upper
43 100
58 53.5 27.0 80.8



#60
Dibromochloromethane
Concen: 20.807 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Tgt Ion:129 Resp: 94608
Ion Ratio Lower Upper
129 100
127 74.6 38.6 116.0

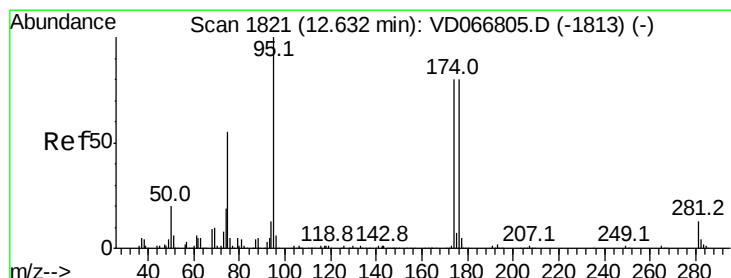
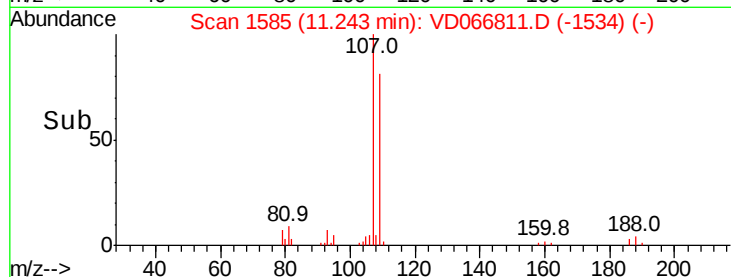
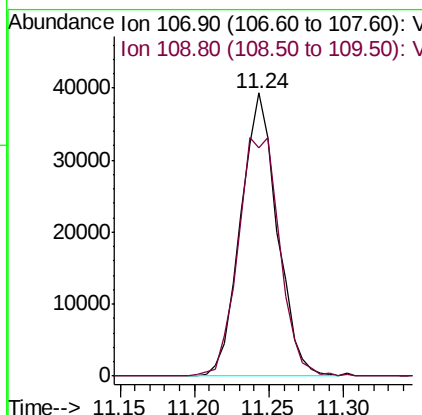
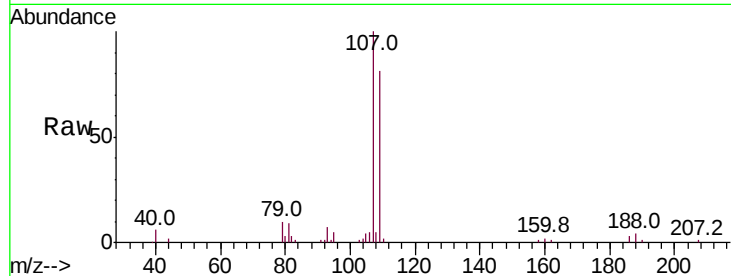




#61
 1,2-Dibromoethane
 Concen: 20.564 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066811.D
 Acq: 22 Sep 2020 15:23

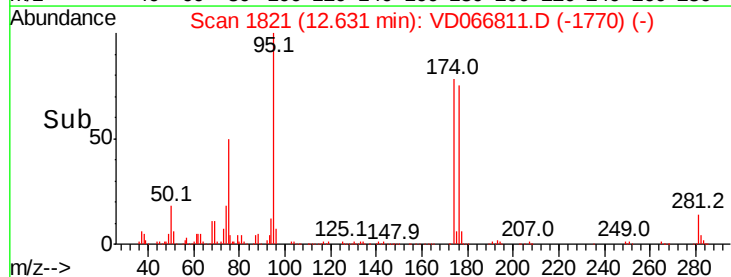
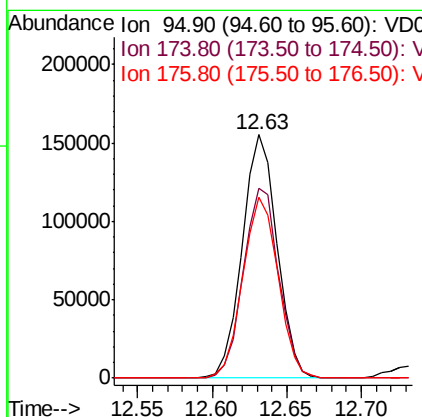
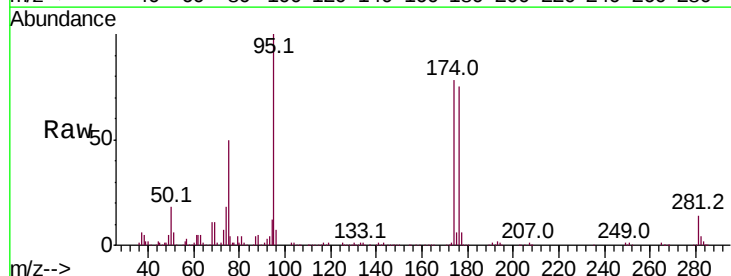
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBSD01

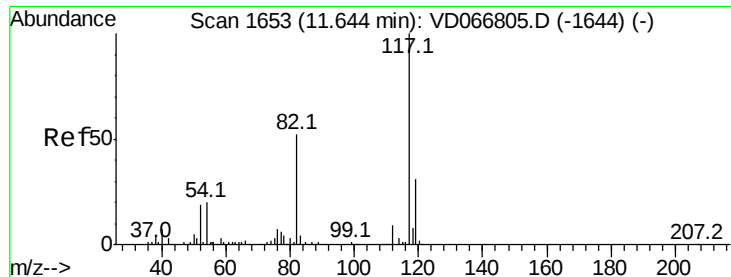
Tot Ion:107 Resp: 66635
 Ion Ratio Lower Upper
 107 100
 109 95.9 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 50.174 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066811.D
 Acq: 22 Sep 2020 15:23

Tgt Ion: 95 Resp: 249641
 Ion Ratio Lower Upper
 95 100
 174 79.7 0.0 159.8
 176 75.6 0.0 154.4

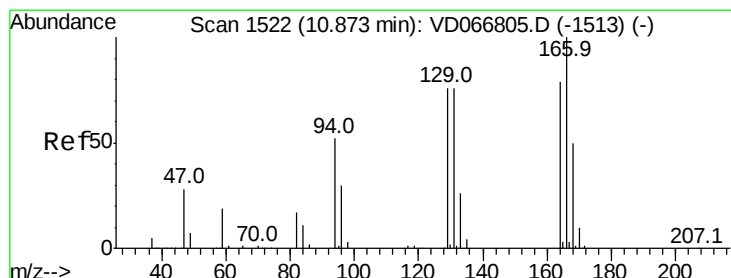
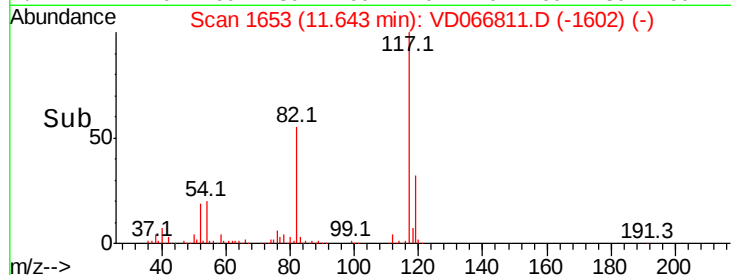
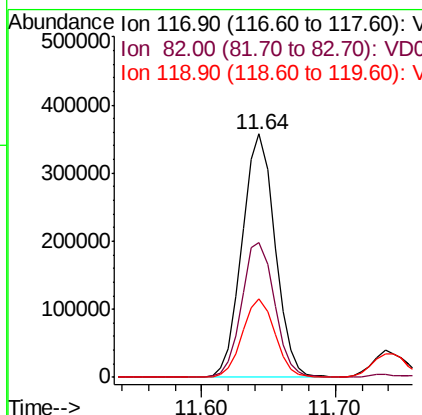
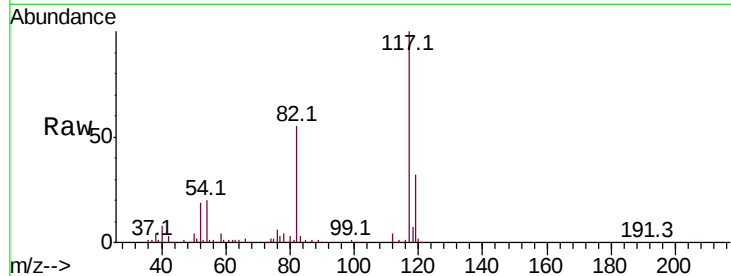




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

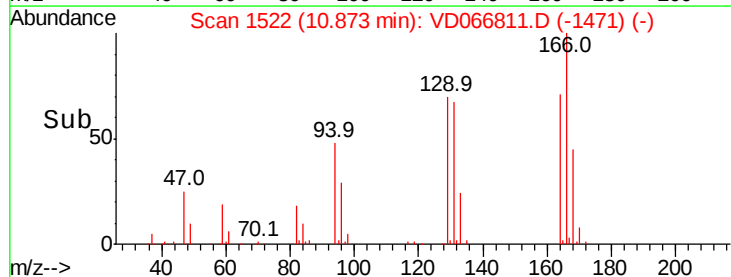
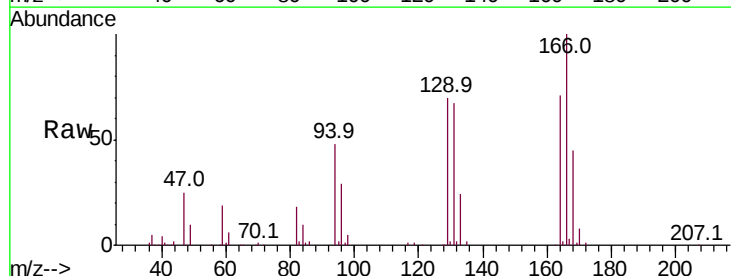
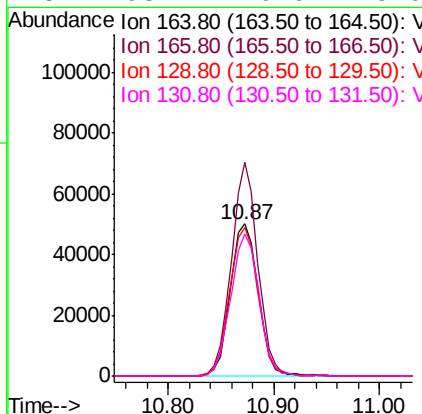
Instrument :
MSVOA_D
ClientSampleId :
VD0922SBSD01

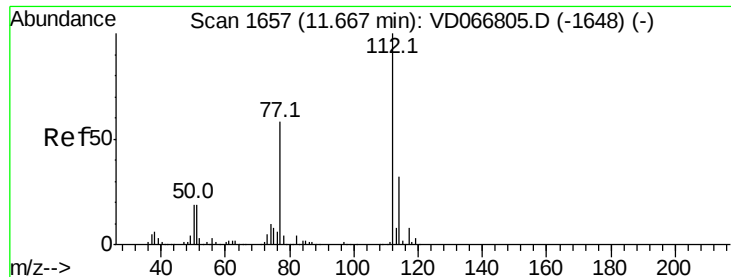
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	41.8	62.6
119	32.5	24.6	37.0



#64
Tetrachloroethene
Concen: 20.844 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	140.2	101.1	151.7
129	97.5	77.0	115.4
131	93.4	76.6	115.0

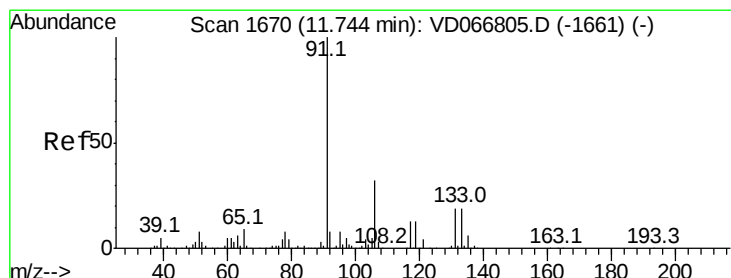
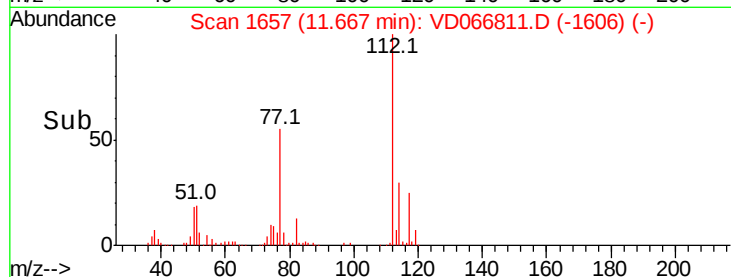
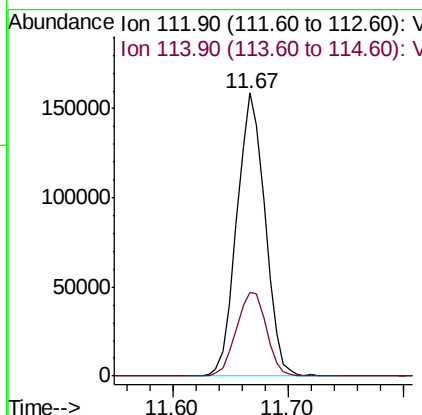
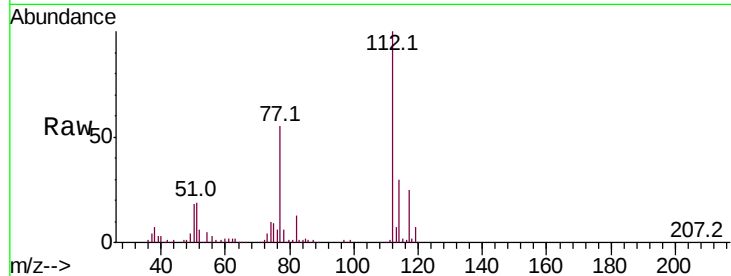




#65
Chlorobenzene
Concen: 21.234 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

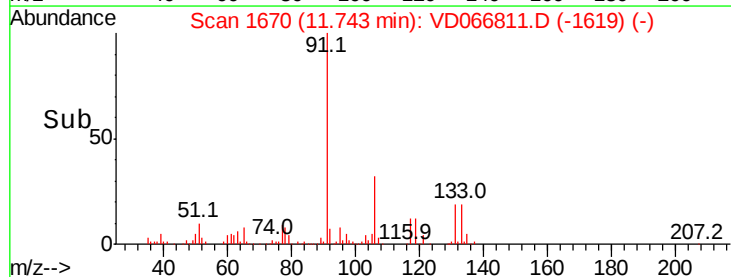
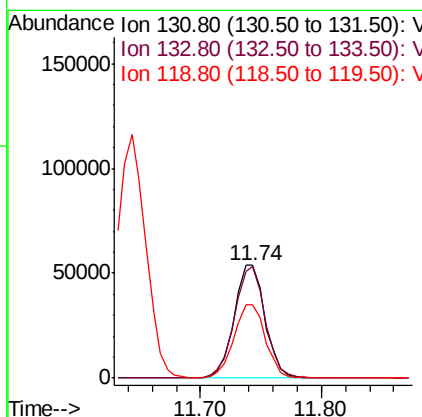
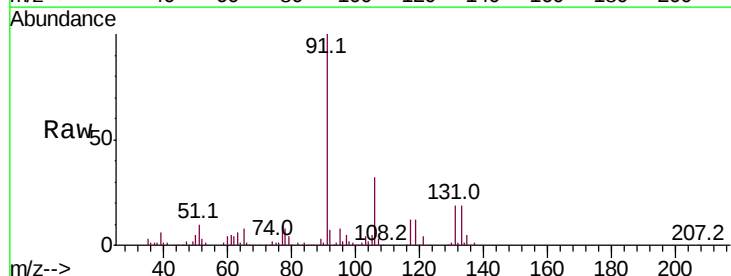
Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

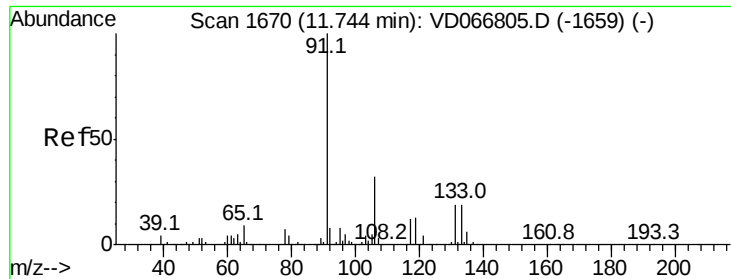
Tot Ion:112 Resp: 269138
Ion Ratio Lower Upper
112 100
114 29.7 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 19.981 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Tgt Ion:131 Resp: 95854
Ion Ratio Lower Upper
131 100
133 97.9 46.7 140.1
119 66.6 32.3 96.9

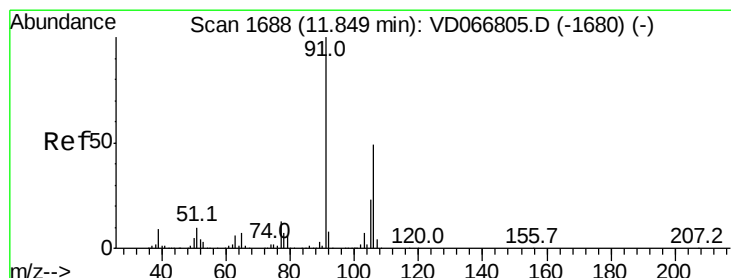
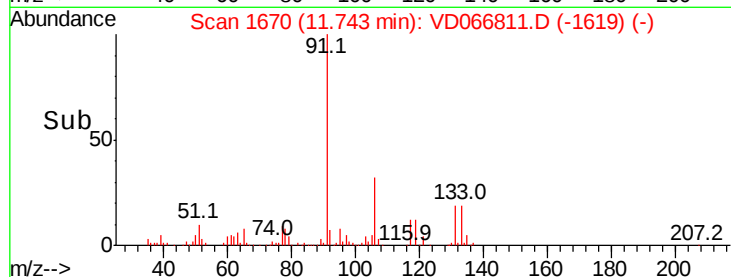
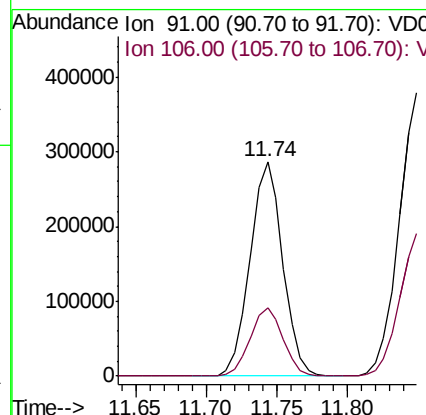
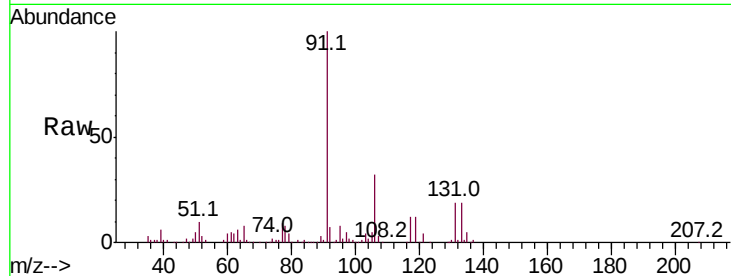




#67
Ethyl Benzene
Concen: 20.933 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

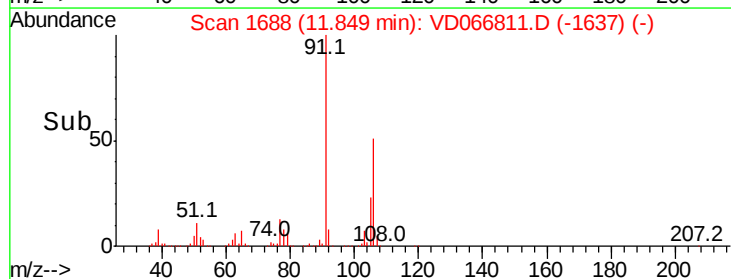
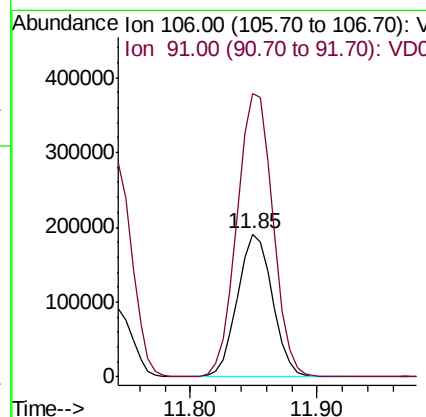
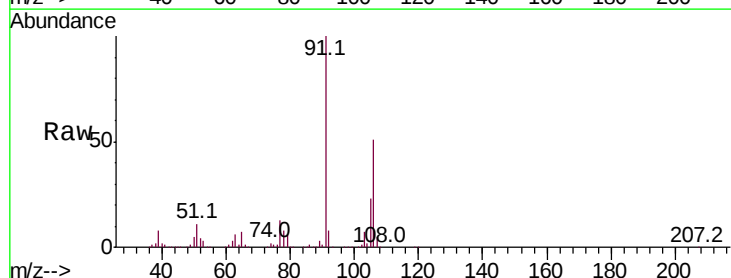
Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

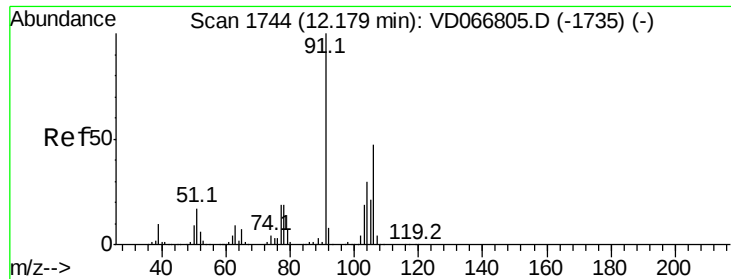
Tot Ion: 91 Resp: 465995
Ion Ratio Lower Upper
91 100
106 31.7 25.6 38.4



#68
m/p-Xylenes
Concen: 43.150 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Tgt Ion: 106 Resp: 363685
Ion Ratio Lower Upper
106 100
91 204.8 160.7 241.1

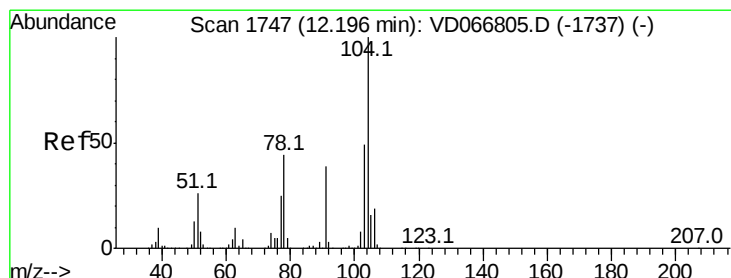
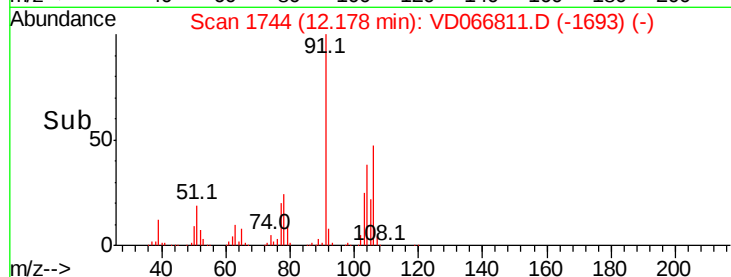
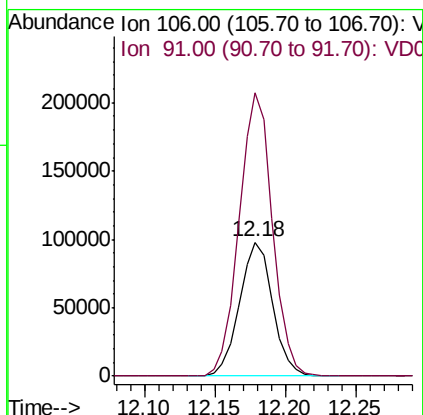
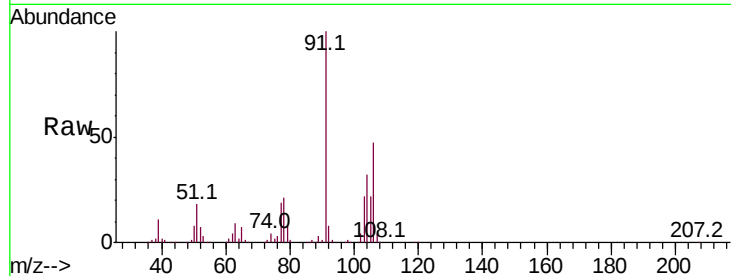




#69
o-Xylene
Concen: 21.166 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

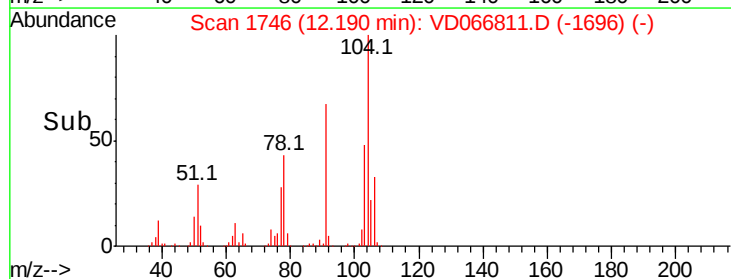
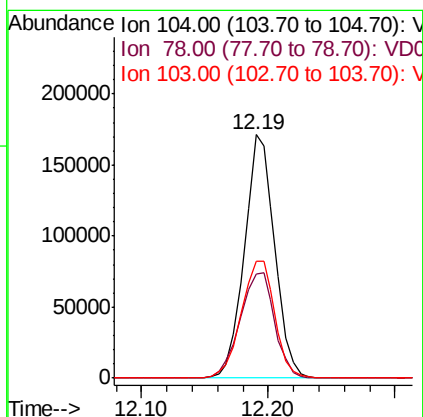
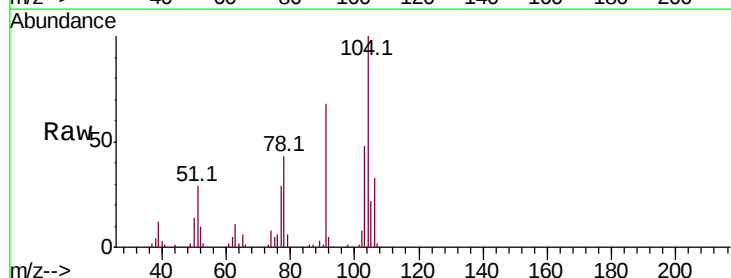
Instrument :
MSVOA_D
ClientSampleId :
VD0922SBSD01

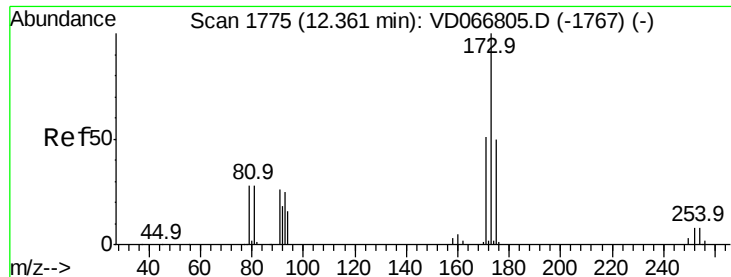
Tot Ion:106 Resp: 161310
Ion Ratio Lower Upper
106 100
91 211.7 106.3 318.8



#70
Styrene
Concen: 21.381 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Tgt Ion:104 Resp: 282984
Ion Ratio Lower Upper
104 100
78 49.8 38.9 58.3
103 53.5 43.2 64.8





#71

Bromoform

Concen: 19.818 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBSD01

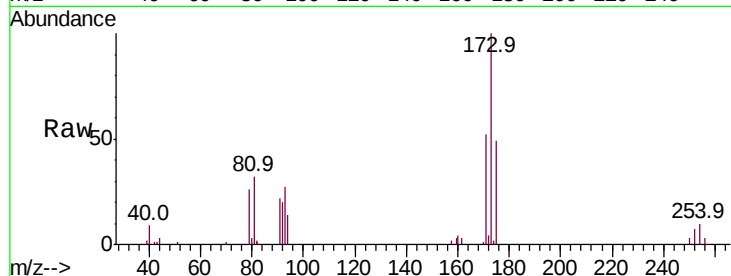
Tot Ion:173 Resp: 48135

Ion Ratio Lower Upper

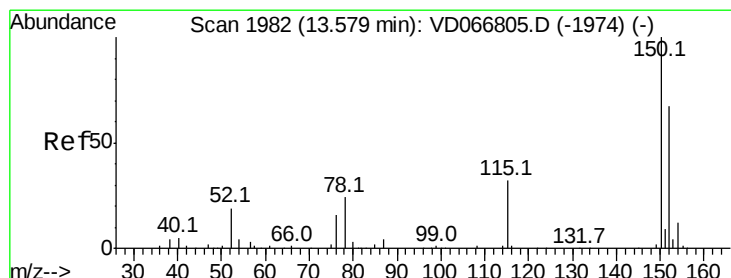
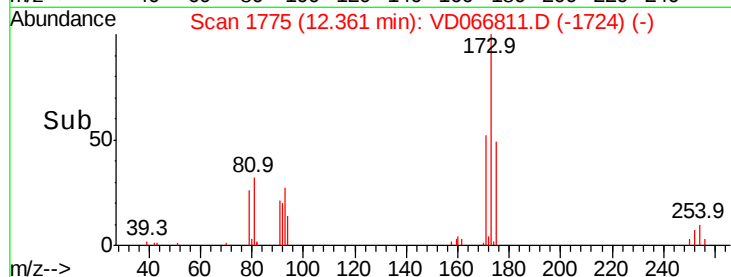
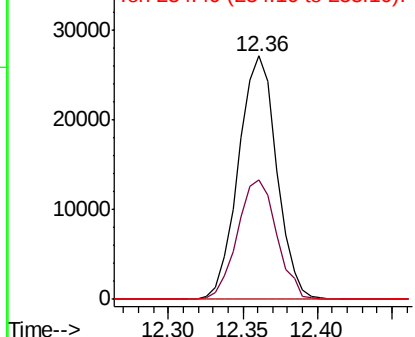
173 100

175 50.7 24.9 74.6

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: VD066811.D

Acq: 22 Sep 2020 15:23

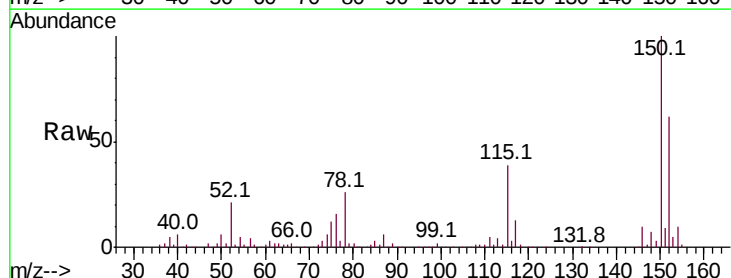
Tgt Ion:152 Resp: 281683

Ion Ratio Lower Upper

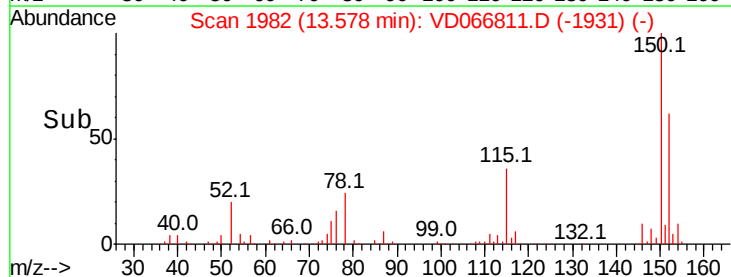
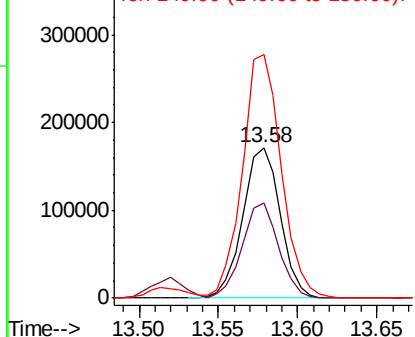
152 100

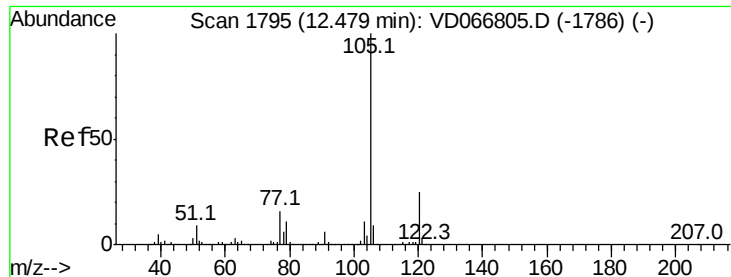
115 61.8 30.3 91.0

150 168.0 0.0 346.2



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

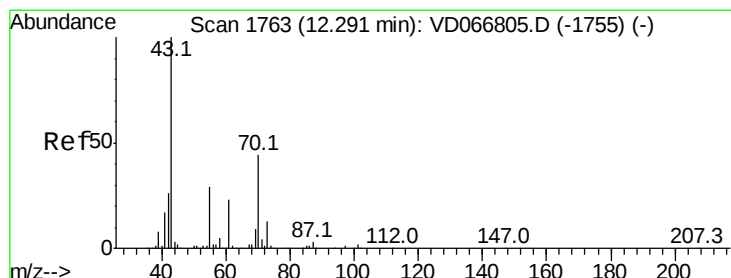
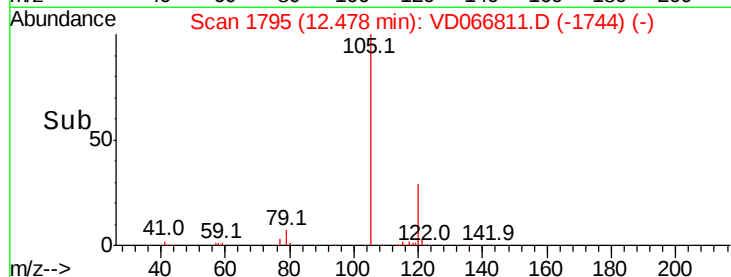
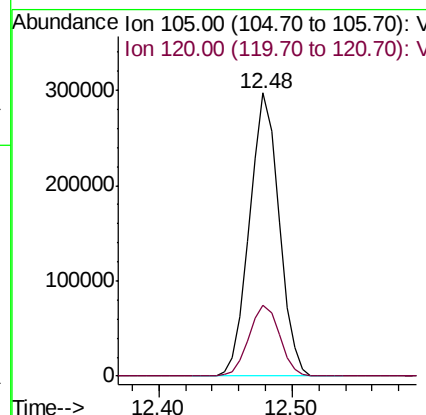
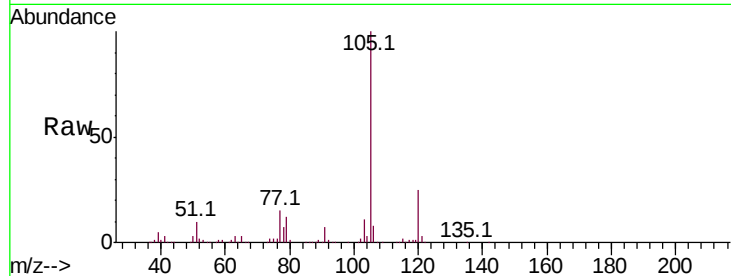




#73
Isopropylbenzene
Concen: 22.298 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

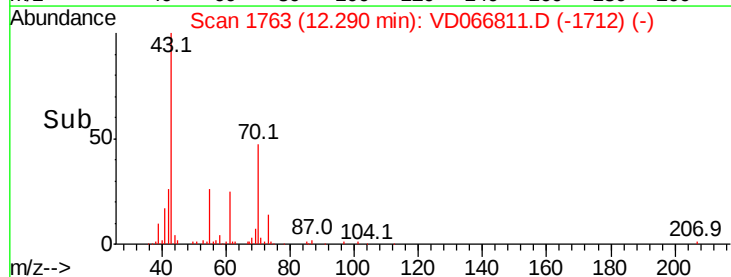
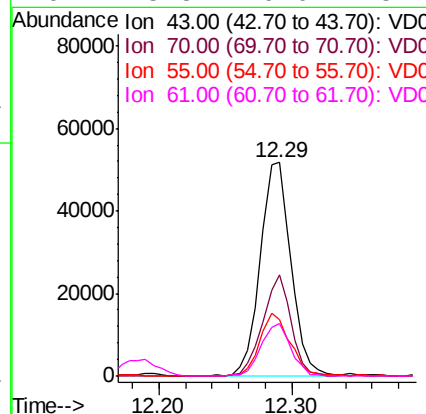
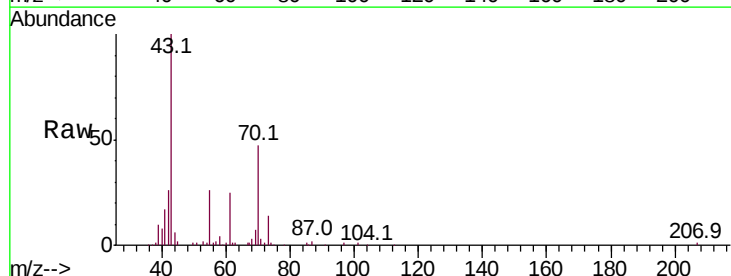
Instrument :
MSVOA_D
ClientSampleId :
VD0922SBS01

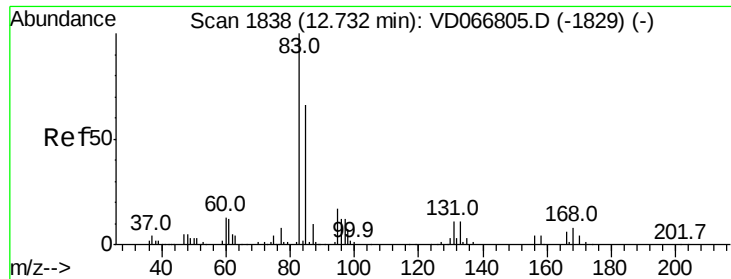
Tot Ion:105 Resp: 453731
Ion Ratio Lower Upper
105 100
120 26.0 12.9 38.6



#74
N-ethyl acetate
Concen: 20.723 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Tgt Ion: 43 Resp: 82351
Ion Ratio Lower Upper
43 100
70 43.3 36.1 54.1
55 28.7 21.8 32.8
61 23.8 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.363 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBSD01

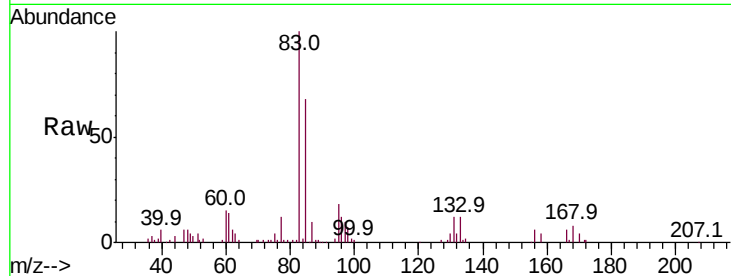
Tot Ion: 83 Resp: 71500

Ion Ratio Lower Upper

83 100

131 12.3 5.5 16.7

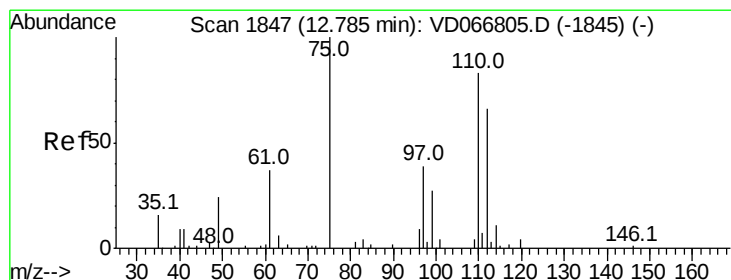
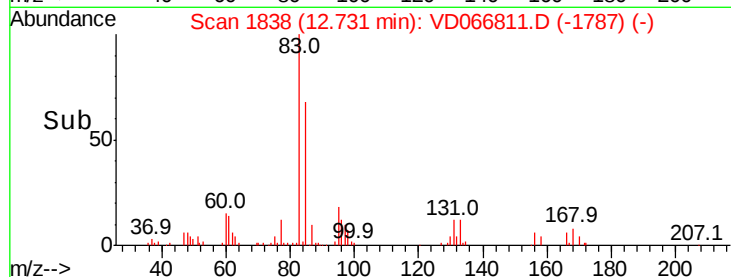
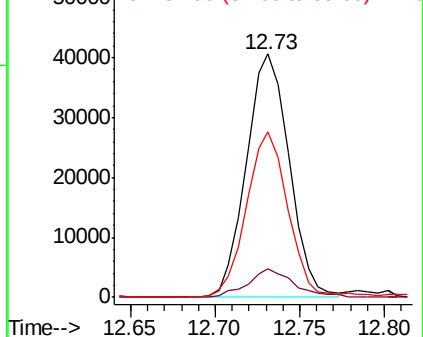
85 66.6 32.1 96.5



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: 41.561 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD066811.D

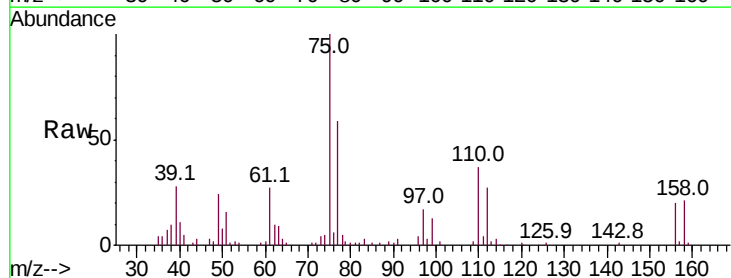
Acq: 22 Sep 2020 15:23

Tgt Ion: 75 Resp: 97018

Ion Ratio Lower Upper

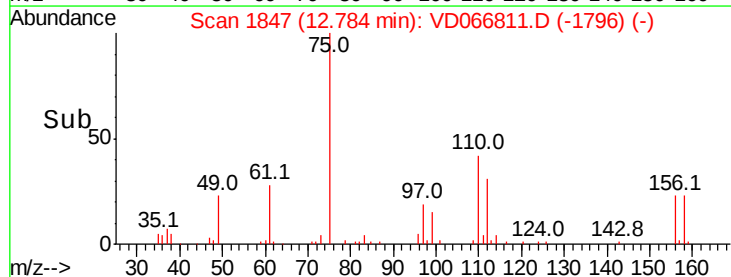
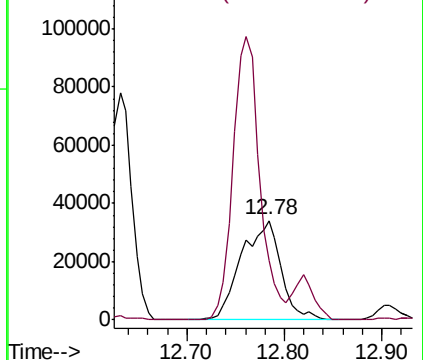
75 100

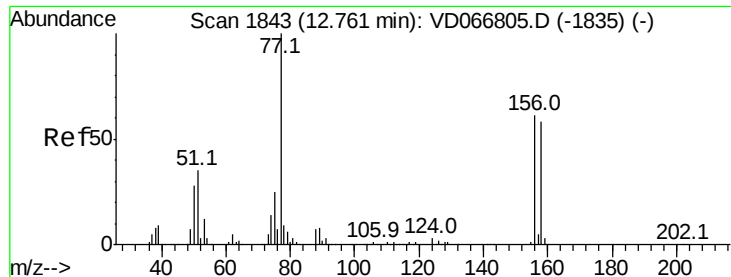
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

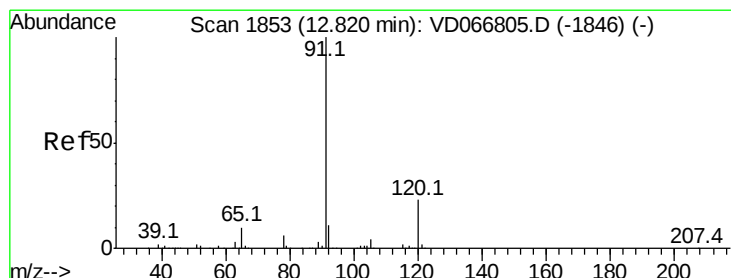
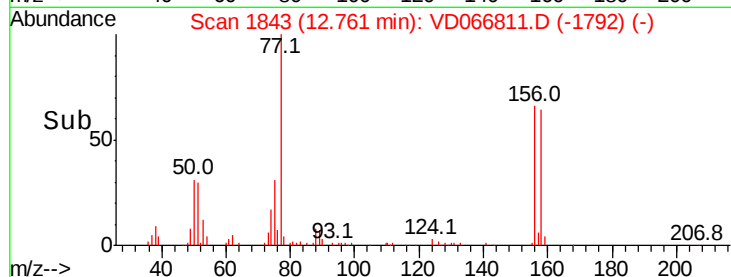
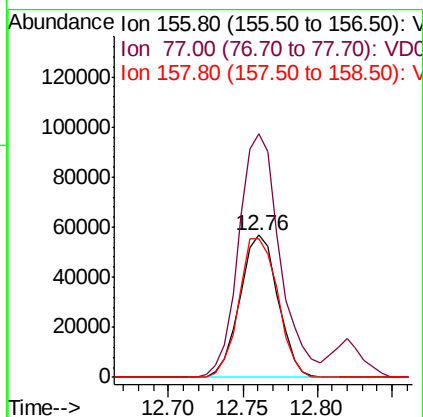
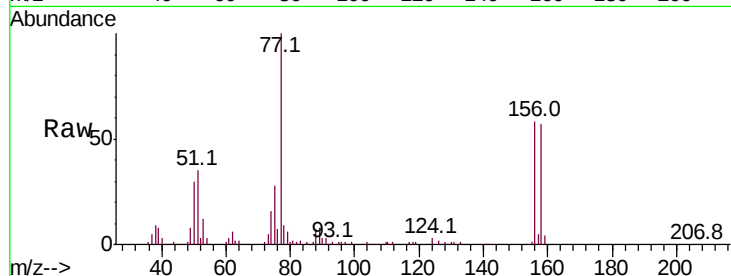




#77
Bromobenzene
Concen: 21.156 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

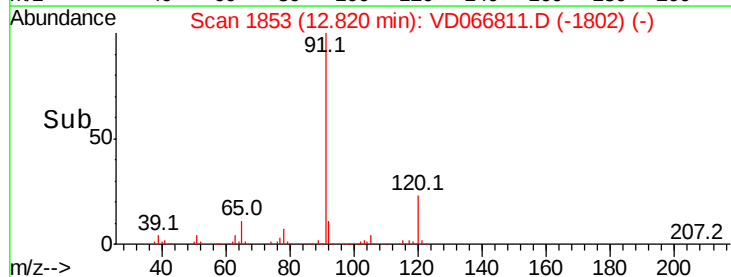
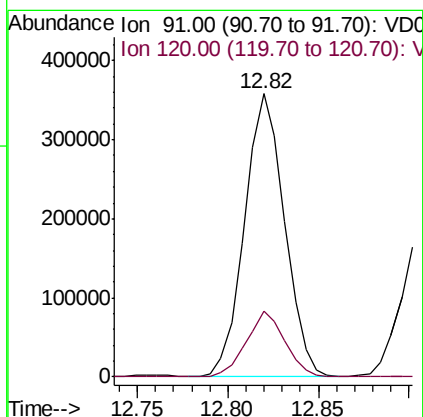
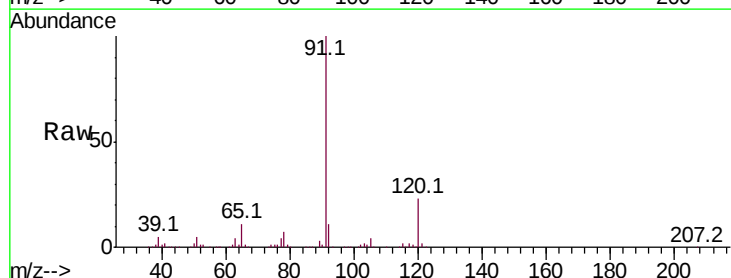
Instrument :
MSVOA_D
ClientSampleId :
VD0922SBSD01

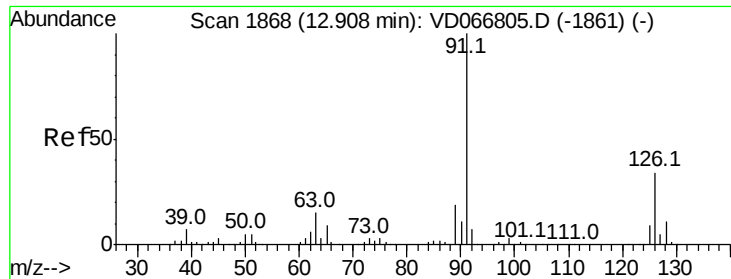
Tot Ion:156 Resp: 100683
Ion Ratio Lower Upper
156 100
77 185.7 92.3 276.9
158 99.2 47.6 142.9



#78
n-propylbenzene
Concen: 22.374 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Tgt Ion: 91 Resp: 547733
Ion Ratio Lower Upper
91 100
120 22.5 11.4 34.2

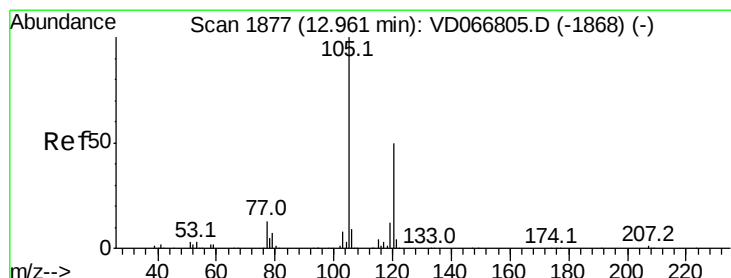
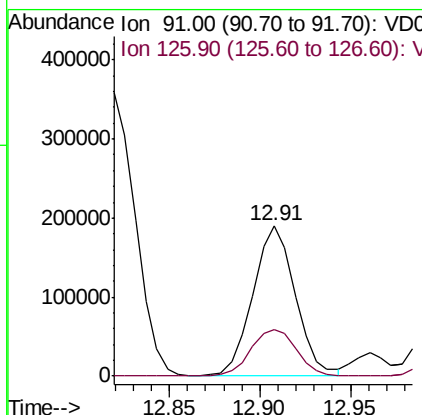
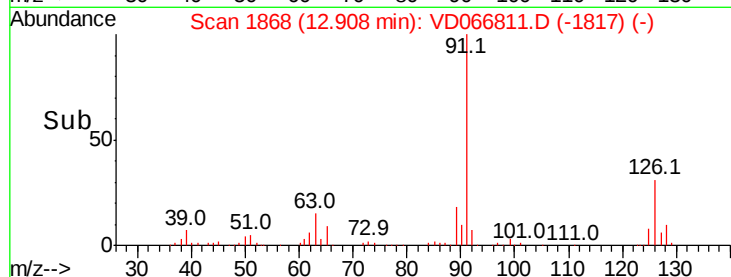
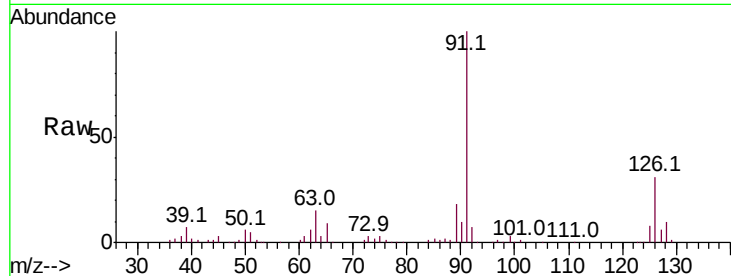




#79
 2-Chlorotoluene
 Concen: 22.179 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD066811.D
 Acq: 22 Sep 2020 15:23

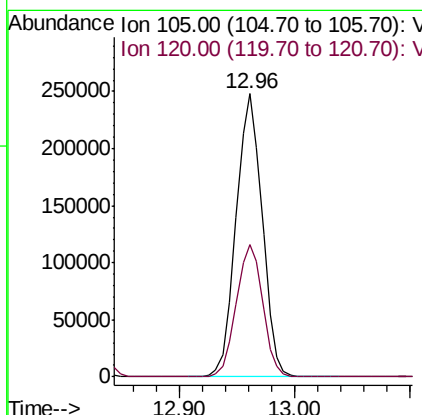
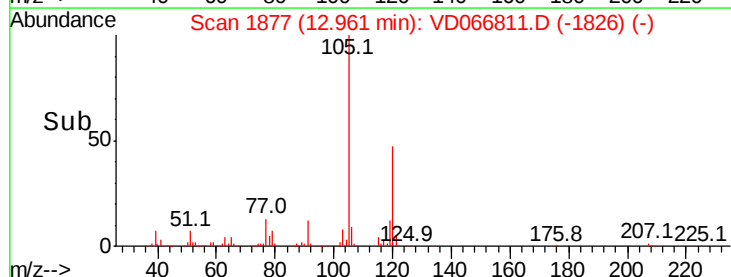
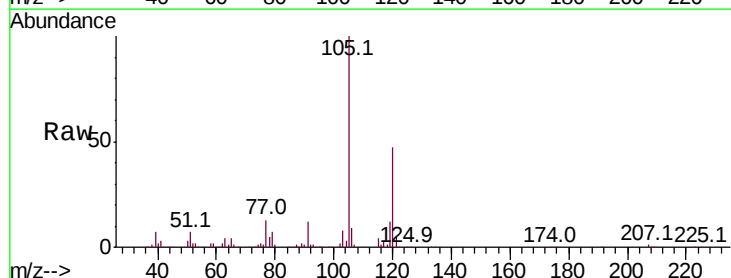
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBS01

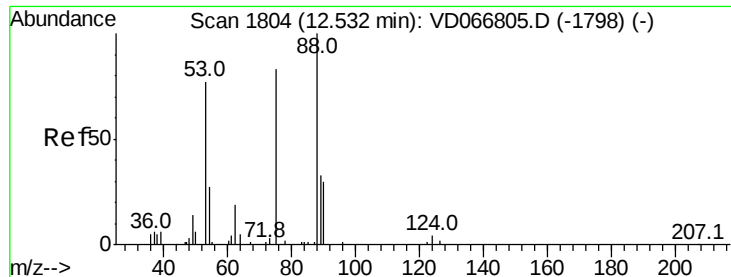
Tot Ion: 91 Resp: 309405
 Ion Ratio Lower Upper
 91 100
 126 33.3 17.0 51.0



#80
 1,3,5-Trimethylbenzene
 Concen: 22.499 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VD066811.D
 Acq: 22 Sep 2020 15:23

Tgt Ion:105 Resp: 388468
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 21.461 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBS01

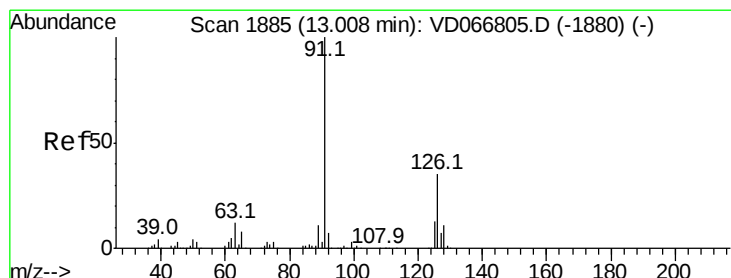
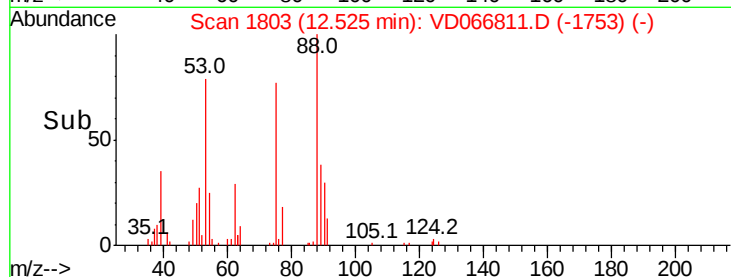
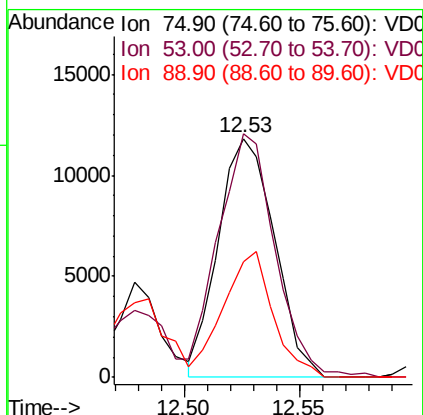
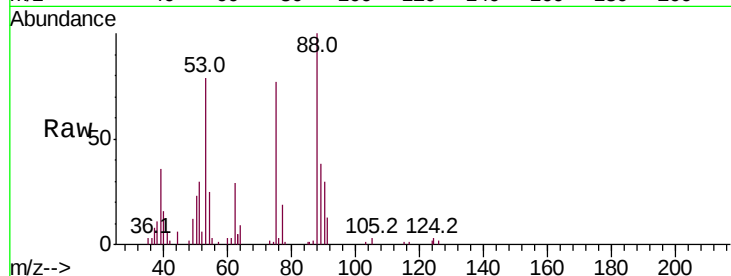
Tot Ion: 75 Resp: 20024

Ion Ratio Lower Upper

75 100

53 104.6 78.5 117.7

89 46.8 38.1 57.1



#82

4-Chlorotoluene

Concen: 22.475 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.01 min

Lab File: VD066811.D

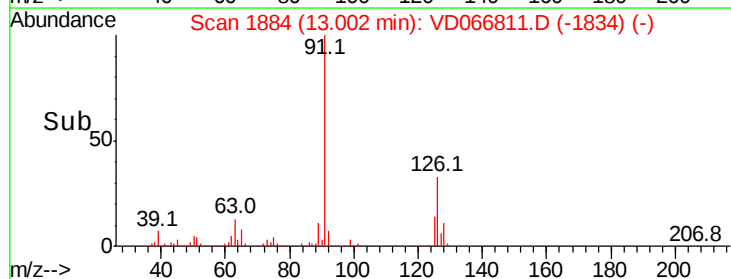
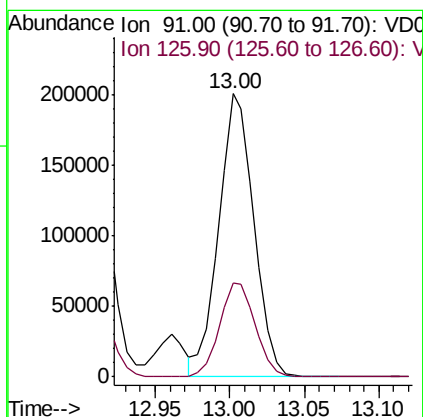
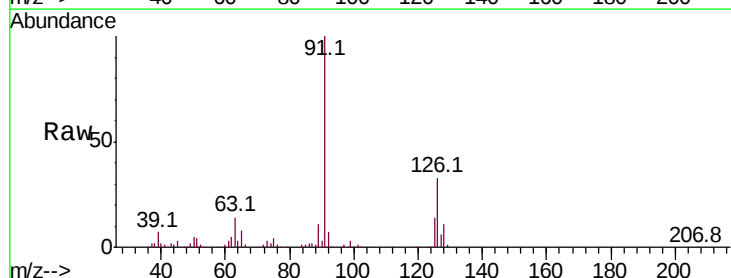
Acq: 22 Sep 2020 15:23

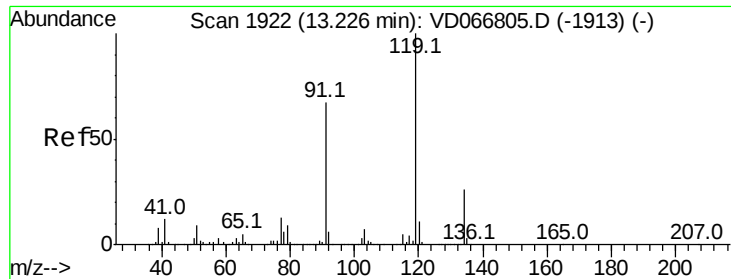
Tgt Ion: 91 Resp: 330502

Ion Ratio Lower Upper

91 100

126 33.6 17.1 51.2





#83

tert-Butylbenzene

Concen: 22.052 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBS01

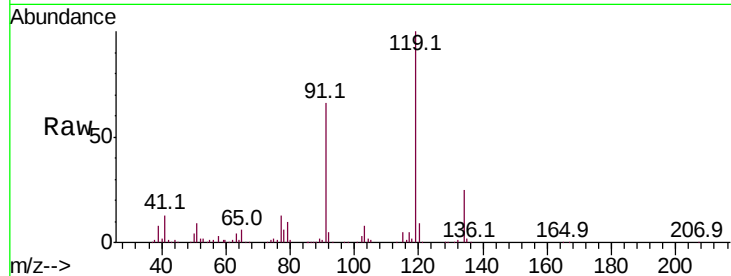
Tot Ion:119 Resp: 312880

Ion Ratio Lower Upper

119 100

91 68.0 33.6 100.8

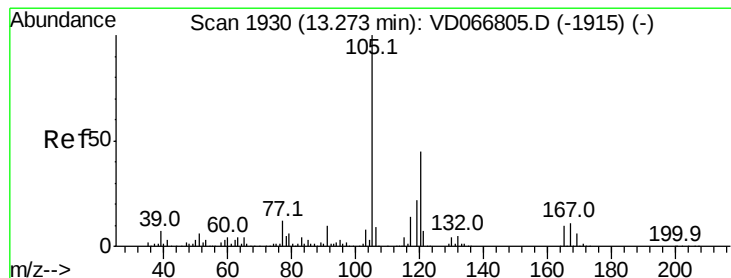
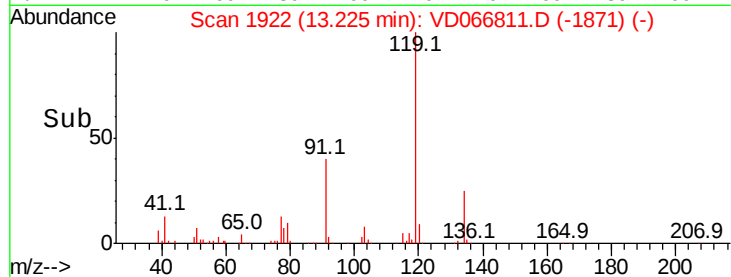
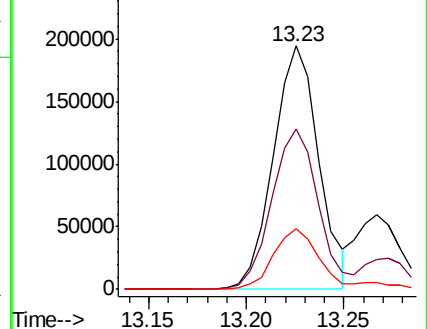
134 25.0 13.5 40.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.575 ug/l

RT: 13.27 min Scan# 1929

Delta R.T. -0.01 min

Lab File: VD066811.D

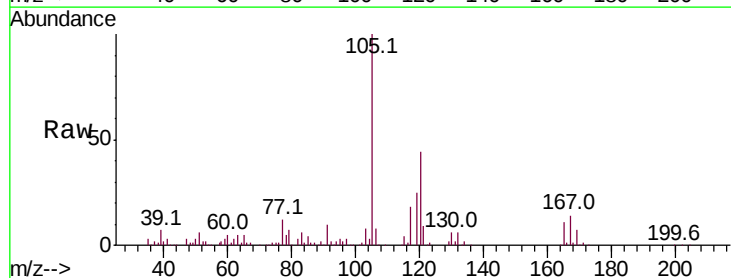
Acq: 22 Sep 2020 15:23

Tgt Ion:105 Resp: 386521

Ion Ratio Lower Upper

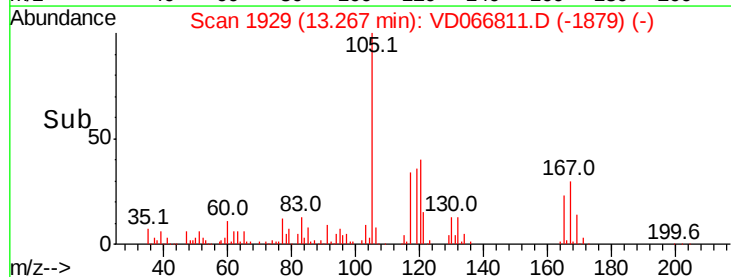
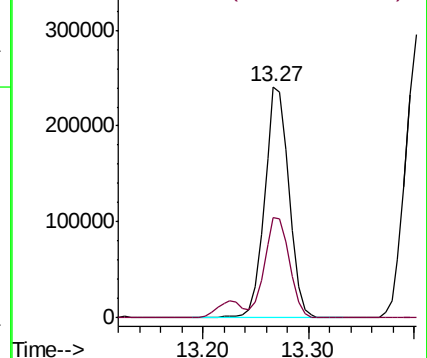
105 100

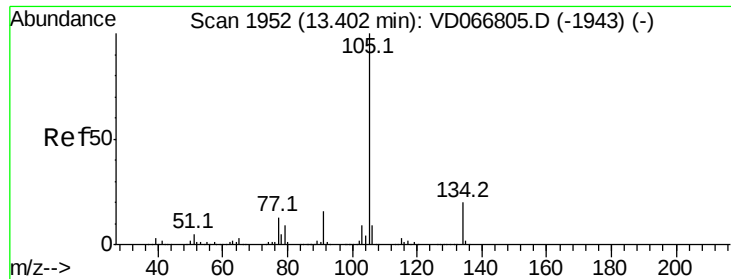
120 44.4 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.267 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

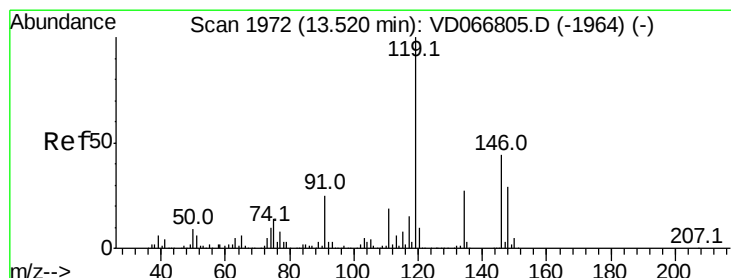
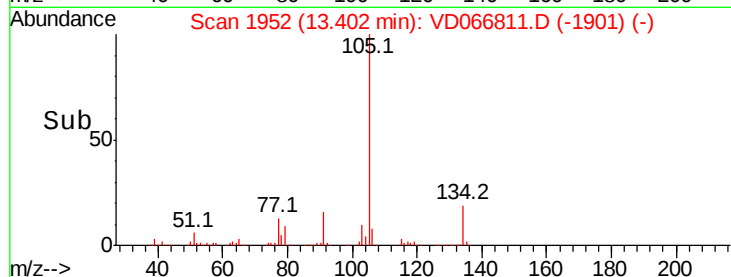
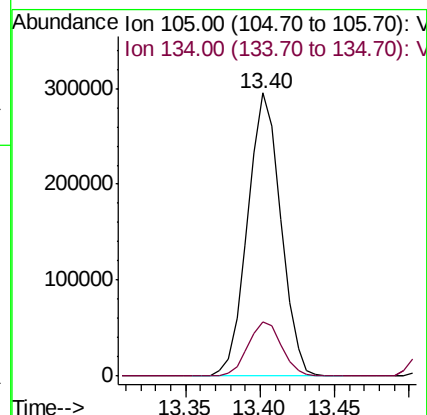
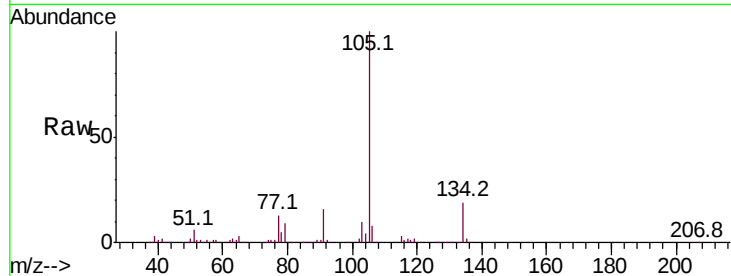
VD0922SBS01

Tot Ion:105 Resp: 454299

Ion Ratio Lower Upper

105 100

134 19.3 10.2 30.6



#86

p-Isopropyltoluene

Concen: 22.335 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

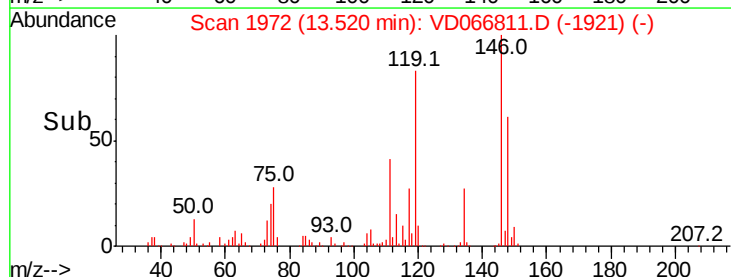
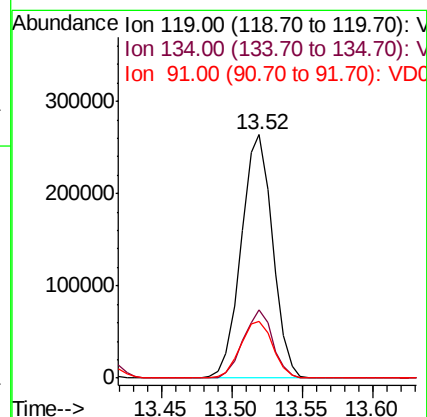
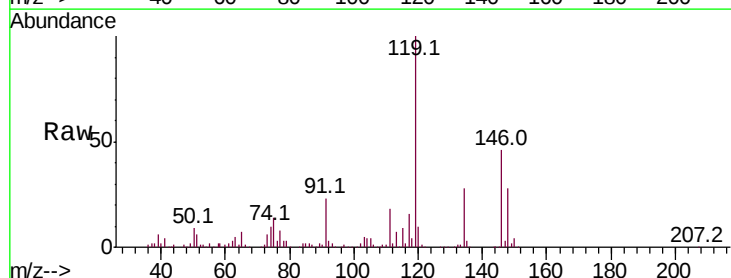
Tgt Ion:119 Resp: 410748

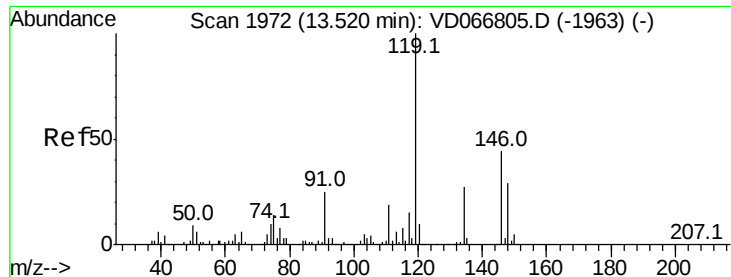
Ion Ratio Lower Upper

119 100

134 26.1 13.0 38.9

91 24.0 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 21.520 ug/l

RT: 13.52 min Scan# 1972

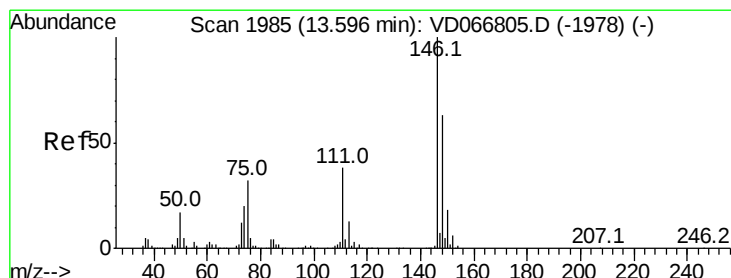
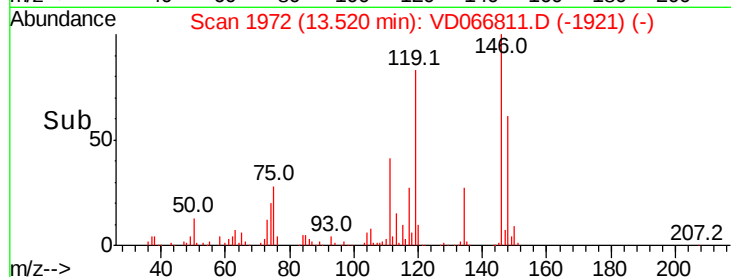
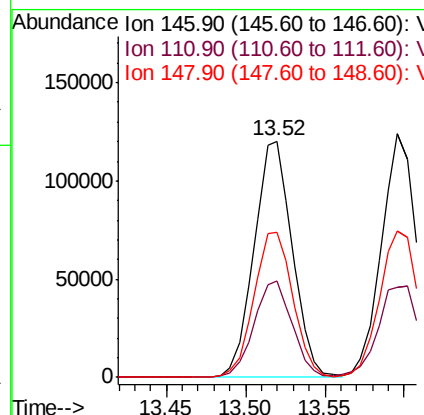
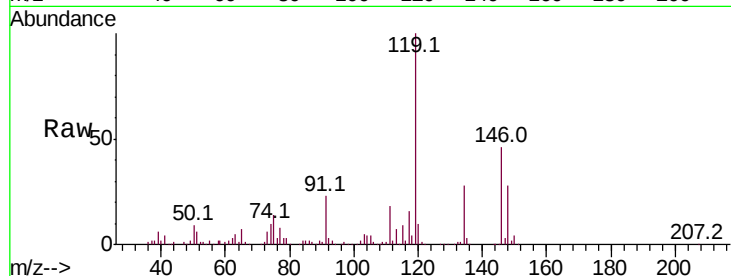
Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :
MSVOA_D
ClientSampleId :
VD0922SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	60.9
148	62.4	31.9	95.5



#88

1,4-Dichlorobenzene

Concen: 20.799 ug/l

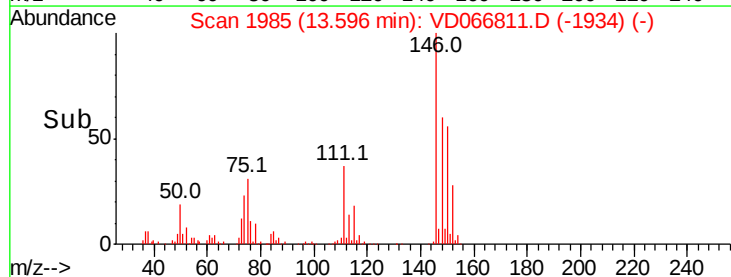
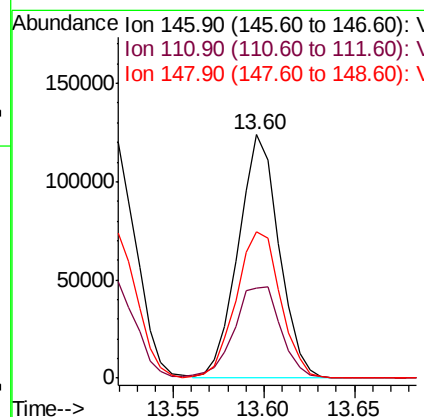
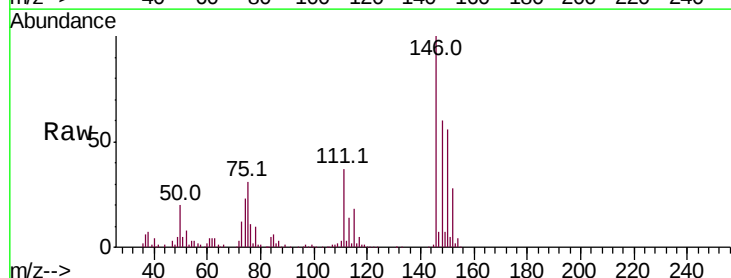
RT: 13.60 min Scan# 1985

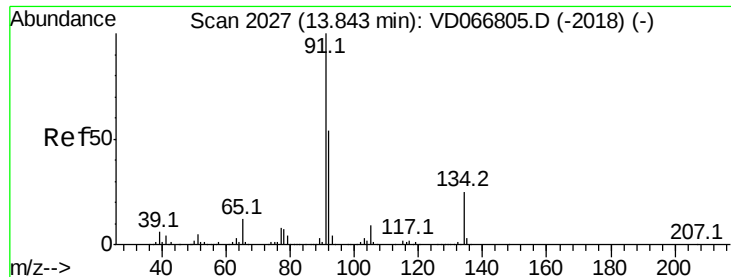
Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.2	60.5
148	65.4	31.6	94.7

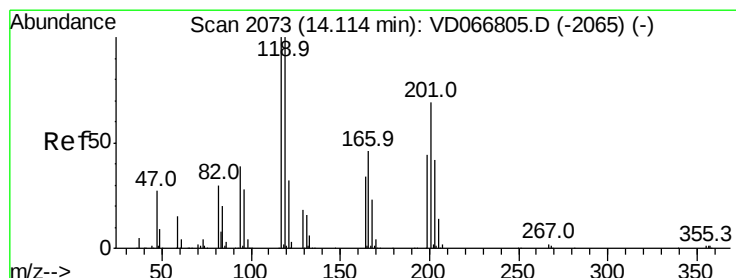
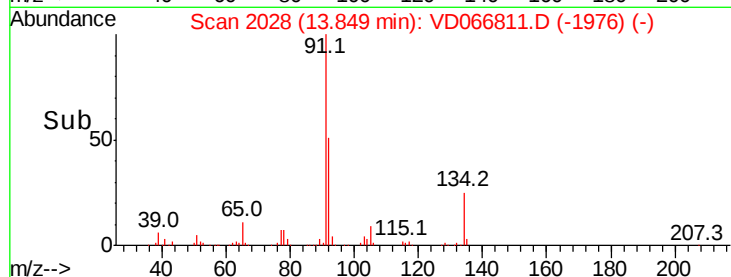
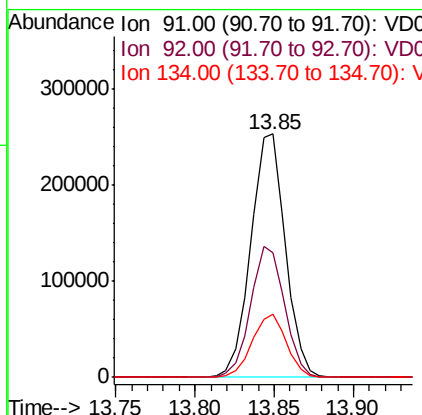
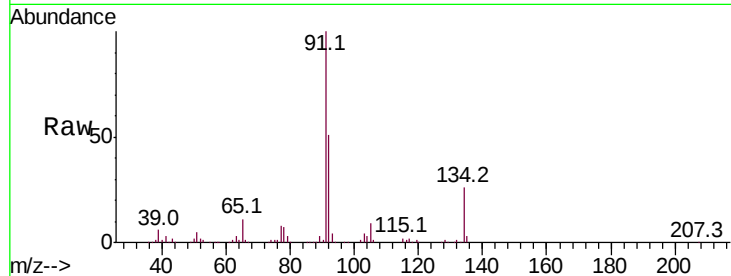




#89
n-Butylbenzene
Concen: 21.964 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

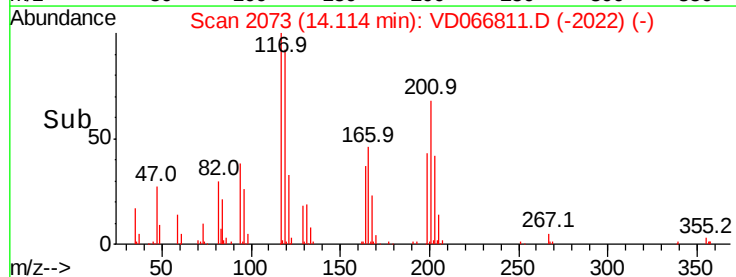
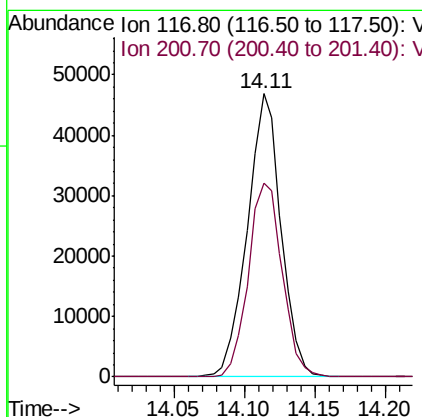
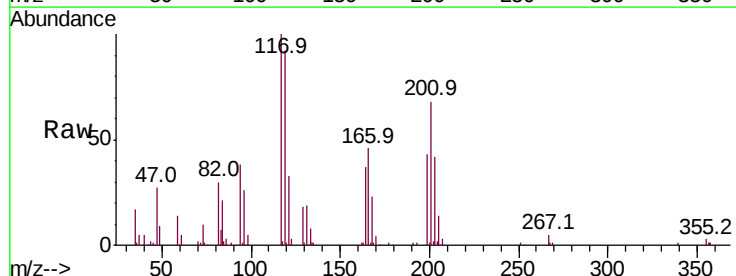
Instrument :
MSVOA_D
ClientSampleId :
VD0922SBSD01

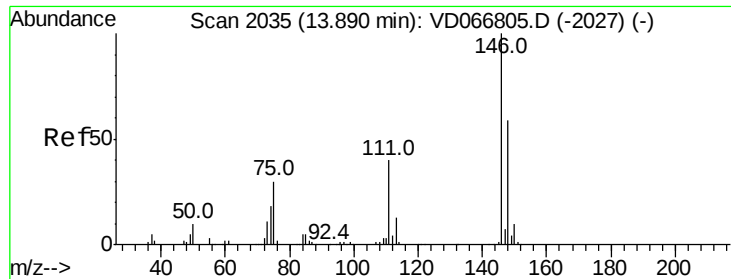
Tot Ion: 91 Resp: 383924
Ion Ratio Lower Upper
91 100
92 52.8 26.7 80.0
134 25.7 13.1 39.1



#90
Hexachloroethane
Concen: 21.026 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066811.D
Acq: 22 Sep 2020 15:23

Tgt Ion: 117 Resp: 78505
Ion Ratio Lower Upper
117 100
201 68.8 33.7 101.0





#91

1,2-Dichlorobenzene

Concen: 21.568 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBSD01

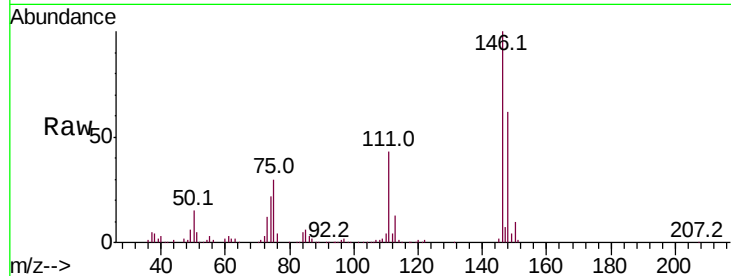
Tot Ion:146 Resp: 173493

Ion Ratio Lower Upper

146 100

111 42.2 20.9 62.7

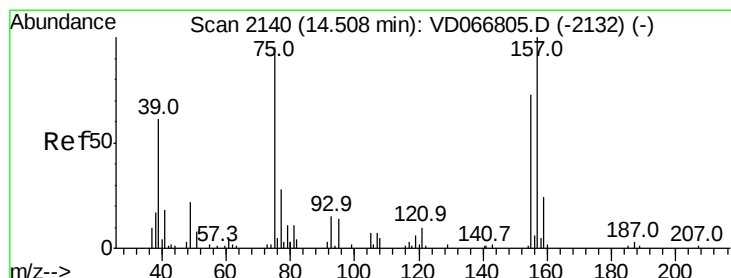
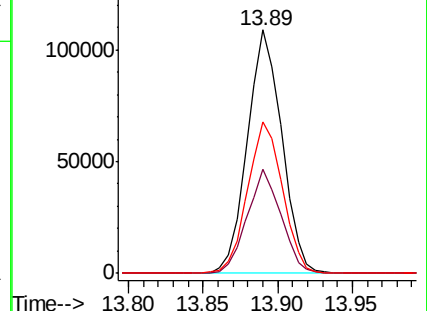
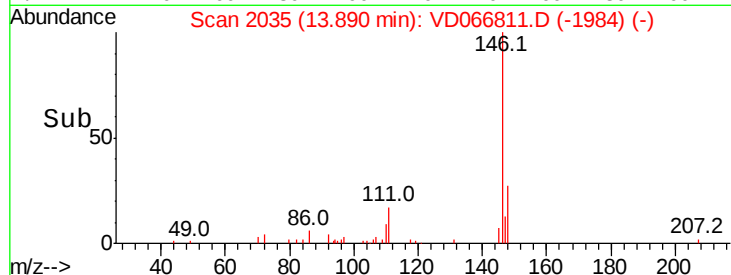
148 63.0 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.438 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.00 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

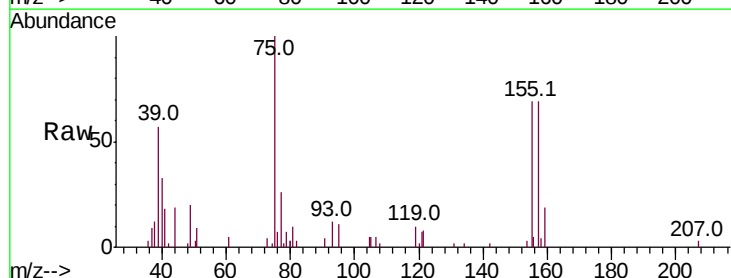
Tgt Ion: 75 Resp: 12109

Ion Ratio Lower Upper

75 100

155 78.9 40.4 121.2

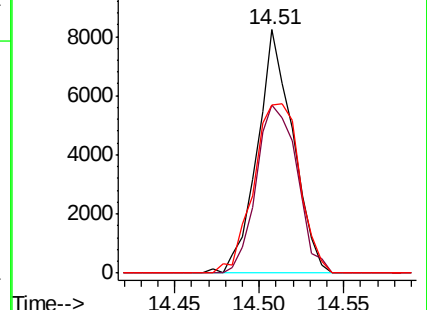
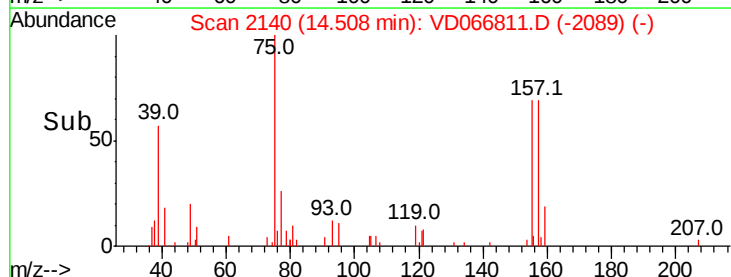
157 89.6 51.3 153.9

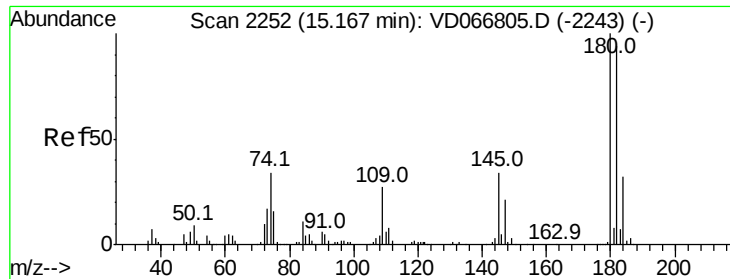


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

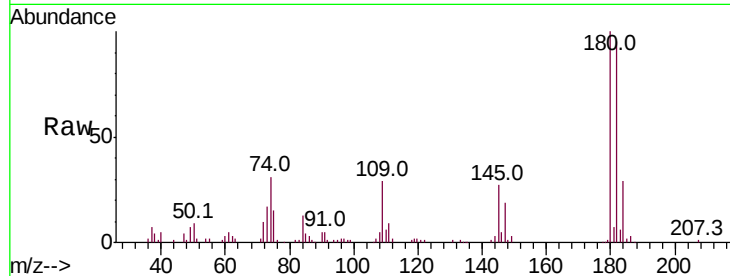




#93
 1,2,4-Trichlorobenzene
 Concen: 21.289 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066811.D
 Acq: 22 Sep 2020 15:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0922SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.8	146.3
145	31.6	16.7	50.0

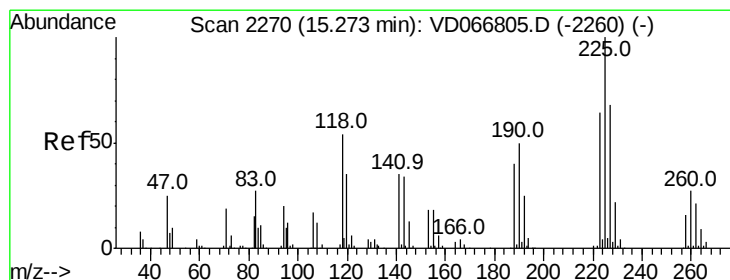
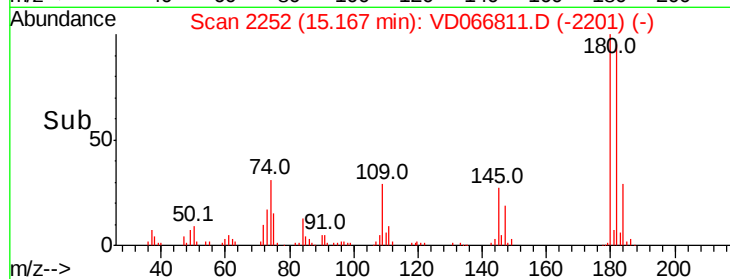
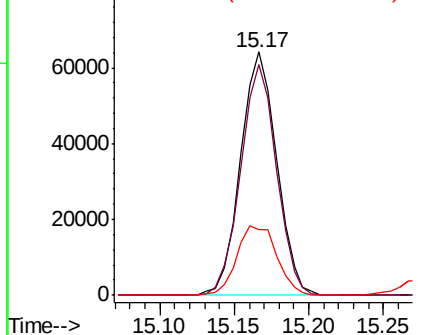


Abundance

Ion 179.80 (179.50 to 180.50): V

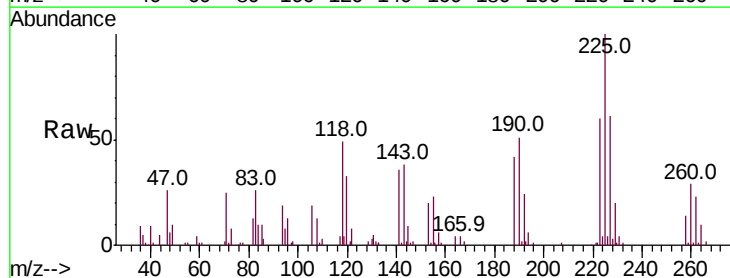
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.963 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066811.D
 Acq: 22 Sep 2020 15:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.1	31.1	93.3
227	64.6	31.7	95.1

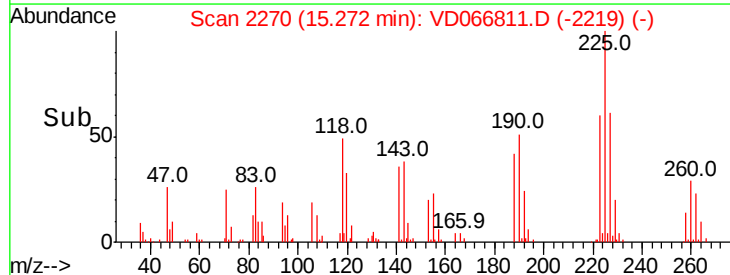
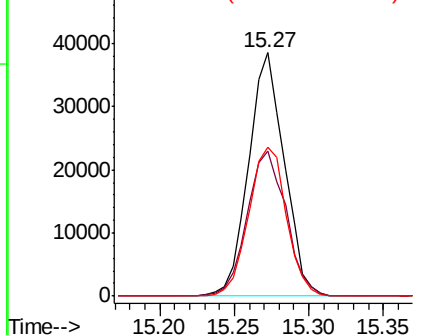


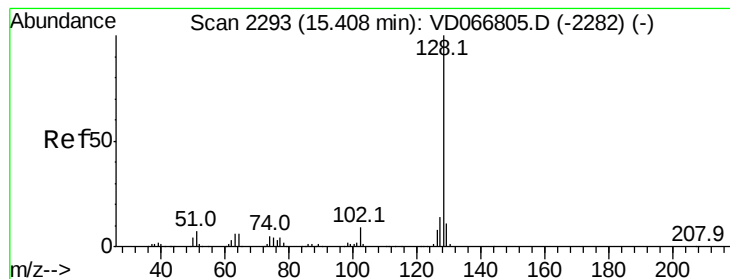
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.162 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

VD0922SBSD01

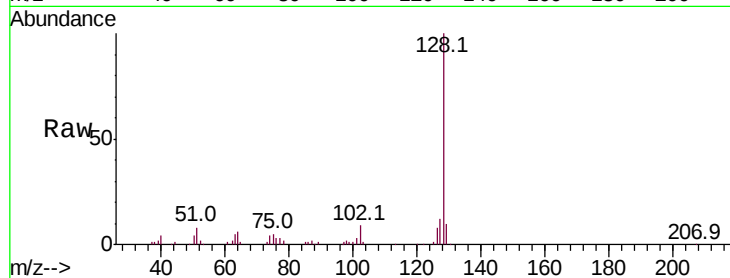
Tot Ion:128 Resp: 173338

Ion Ratio Lower Upper

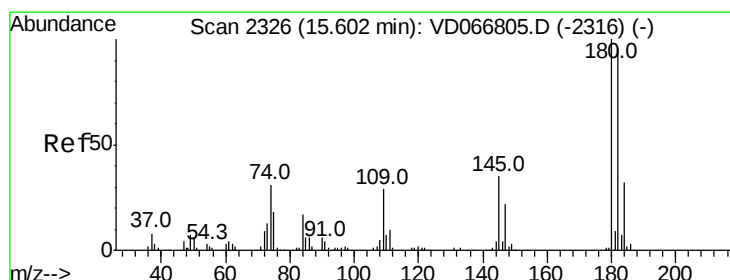
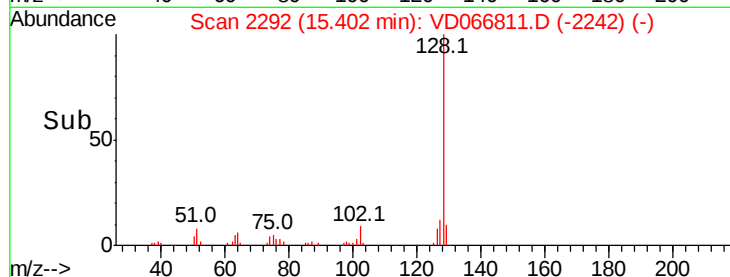
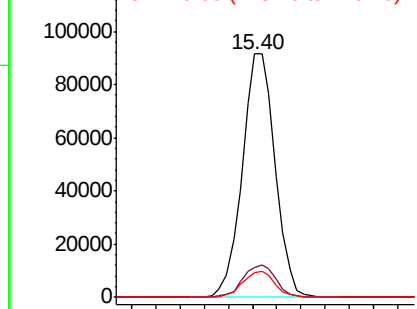
128 100

127 13.2 10.6 16.0

129 10.8 8.9 13.3



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: 20.559 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD066811.D

Acq: 22 Sep 2020 15:23

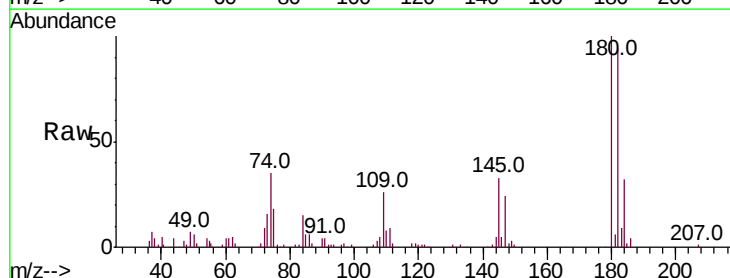
Tgt Ion:180 Resp: 89858

Ion Ratio Lower Upper

180 100

182 95.6 46.8 140.3

145 34.7 17.0 51.0



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

