

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080720\
 Data File : VD066151.D
 Acq On : 07 Aug 2020 12:12
 Operator : VA/SY
 Sample : VD0807SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBS01

Quant Time: Aug 08 00:38:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	300492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	438093	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	405512	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	207107	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	144372	53.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.70%	
35) Dibromofluoromethane	7.91	113	150448	54.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.42%	
50) Toluene-d8	10.34	98	570286	55.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.36%	
62) 4-Bromofluorobenzene	12.64	95	196953	53.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	57538	21.733	ug/l	94
3) Chloromethane	2.21	50	43477	21.111	ug/l	90
4) Vinyl Chloride	2.35	62	39240	21.522	ug/l	95
5) Bromomethane	2.76	94	26984	22.307	ug/l	98
6) Chloroethane	2.91	64	24647	22.022	ug/l	92
7) Trichlorofluoromethane	3.27	101	91101	19.166	ug/l	99
8) Diethyl Ether	3.71	74	24782	18.477	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	53343	18.909	ug/l	97
10) Methyl Iodide	4.30	142	52778	24.503	ug/l	99
11) Tert butyl alcohol	5.21	59	22971	90.517	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	52338	19.667	ug/l	90
13) Acrolein	3.91	56	19309	90.487	ug/l	98
14) Allyl chloride	4.71	41	79697	19.768	ug/l	98
15) Acrylonitrile	5.42	53	51144	90.491	ug/l	96
16) Acetone	4.16	43	46900	92.201	ug/l #	86
17) Carbon Disulfide	4.40	76	162851	19.246	ug/l	99
18) Methyl Acetate	4.72	43	23456	18.154	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	110216	18.069	ug/l	100
20) Methylene Chloride	4.96	84	74337	22.921	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	58167	19.027	ug/l	96
22) Diisopropyl ether	6.36	45	159179	19.966	ug/l	94
23) Vinyl Acetate	6.30	43	441058	94.431	ug/l	98
24) 1,1-Dichloroethane	6.26	63	96072	19.472	ug/l	99
25) 2-Butanone	7.21	43	66258	88.561	ug/l	93
26) 2,2-Dichloropropane	7.21	77	87056	19.686	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	61302	19.118	ug/l	97
28) Bromochloromethane	7.54	49	37736	21.776	ug/l	99
29) Tetrahydrofuran	7.56	42	43017	92.802	ug/l	98
30) Chloroform	7.71	83	99627	19.230	ug/l	97
31) Cyclohexane	7.98	56	90497	19.268	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	93156	19.177	ug/l	99
36) 1,1-Dichloropropene	8.11	75	76594	18.606	ug/l	98
37) Ethyl Acetate	7.29	43	30571	18.742	ug/l	97
38) Carbon Tetrachloride	8.10	117	86982	18.947	ug/l	90

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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	92481	18.584	ug/l	96
40) Benzene	8.35	78	218698	19.150	ug/l	100
41) Methacrylonitrile	7.52	41	16282	16.977	ug/l	98
42) 1,2-Dichloroethane	8.43	62	63763	19.006	ug/l	99
43) Isopropyl Acetate	8.45	43	58088	18.075	ug/l	97
44) Trichloroethene	9.11	130	65702	19.092	ug/l	97
45) 1,2-Dichloropropane	9.38	63	55071	19.717	ug/l	99
46) Dibromomethane	9.47	93	28524	18.540	ug/l	96
47) Bromodichloromethane	9.66	83	77223	18.991	ug/l	93
48) Methyl methacrylate	9.46	41	29546	18.005	ug/l	99
49) 1,4-Dioxane	9.46	88	6492	328.446	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	146926	89.004	ug/l	100
52) Toluene	10.40	92	151286	20.132	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	72258	18.725	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	87473	19.347	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	41408	18.691	ug/l	97
56) Ethyl methacrylate	10.66	69	48892	18.372	ug/l	98
57) 1,3-Dichloropropane	10.94	76	69147	18.801	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	124043	103.621	ug/l	100
59) 2-Hexanone	10.98	43	103847	89.636	ug/l	97
60) Dibromochloromethane	11.14	129	56978	18.630	ug/l	100
61) 1,2-Dibromoethane	11.25	107	39270	18.432	ug/l	100
64) Tetrachloroethene	10.87	164	57654	18.515	ug/l	97
65) Chlorobenzene	11.67	112	156759	19.043	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	59591	18.501	ug/l	98
67) Ethyl Benzene	11.74	91	274985	19.276	ug/l	96
68) m/p-Xylenes	11.86	106	216386	39.151	ug/l	99
69) o-Xylene	12.18	106	96967	19.286	ug/l	96
70) Styrene	12.20	104	170825	19.387	ug/l	100
71) Bromoform	12.36	173	33001	17.293	ug/l #	99
73) Isopropylbenzene	12.48	105	266892	19.305	ug/l	99
74) N-amyl acetate	12.29	43	55190	18.129	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	42747	18.133	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	57803	33.468	ug/l #	100
77) Bromobenzene	12.77	156	68274	19.184	ug/l	98
78) n-propylbenzene	12.83	91	315675	19.643	ug/l	100
79) 2-Chlorotoluene	12.91	91	182611	19.868	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	228625	19.774	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	13557	17.352	ug/l	92
82) 4-Chlorotoluene	13.01	91	192462	19.836	ug/l	100
83) tert-Butylbenzene	13.23	119	192865	18.968	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	222270	19.210	ug/l	98
85) sec-Butylbenzene	13.41	105	271617	19.786	ug/l	100
86) p-Isopropyltoluene	13.52	119	256190	19.897	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	130134	19.456	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	125879	18.871	ug/l	98
89) n-Butylbenzene	13.85	91	230340	19.967	ug/l	100
90) Hexachloroethane	14.12	117	48576	18.916	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	111411	18.834	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7305	18.030	ug/l	95

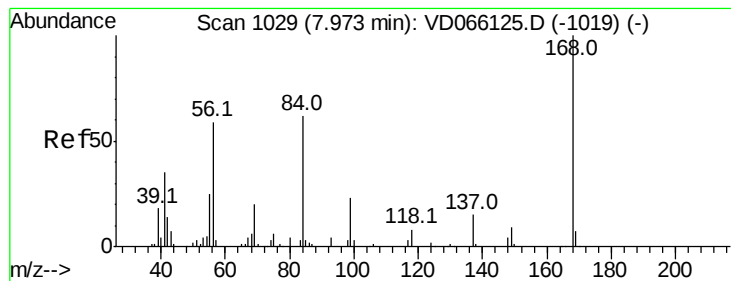
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080720\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	82564	18.940	ug/l	97
94) Hexachlorobutadiene	15.27	225	49680	19.354	ug/l	96
95) Naphthalene	15.41	128	123397	17.373	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	68783	17.874	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

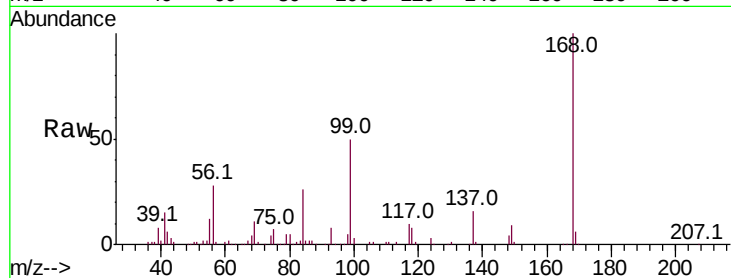
VD0807SBSD01

Tot Ion:168 Resp: 300492

Ion Ratio Lower Upper

168 100

99 50.2 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

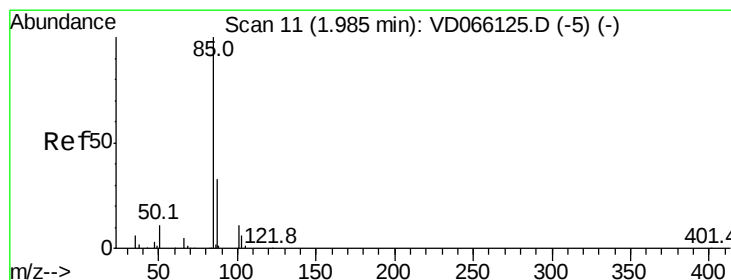
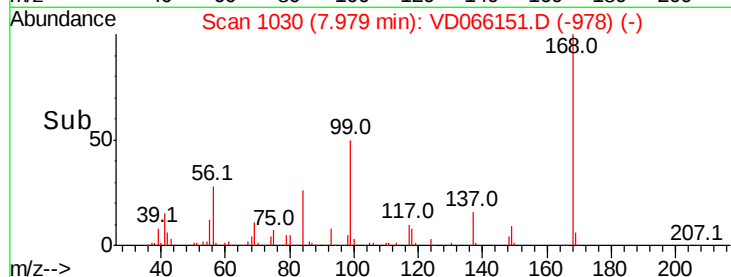
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.733 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066151.D

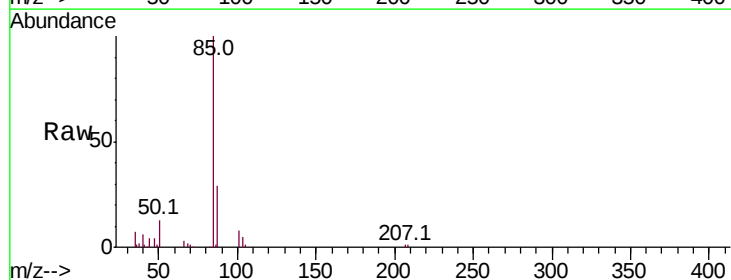
Acq: 07 Aug 2020 12:12

Tgt Ion: 85 Resp: 57538

Ion Ratio Lower Upper

85 100

87 29.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

50000

40000

30000

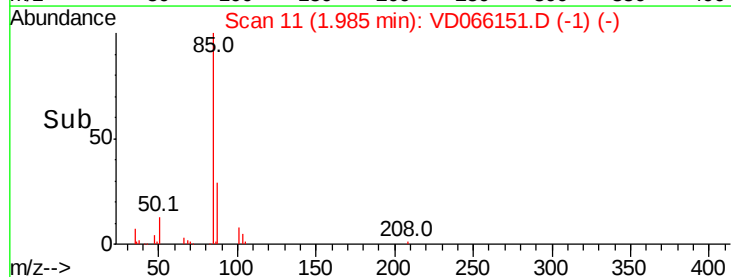
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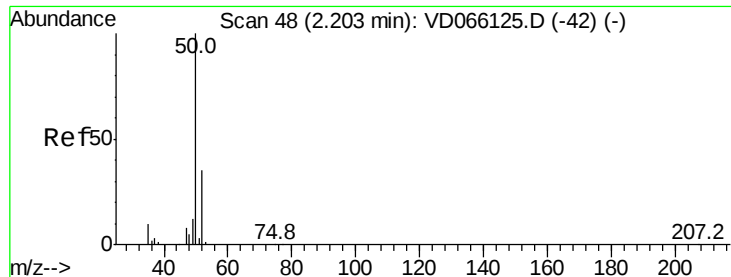
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.111 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

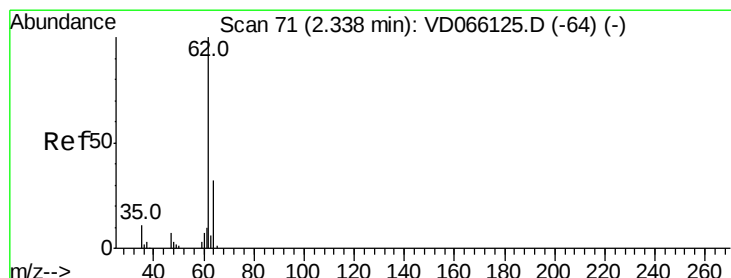
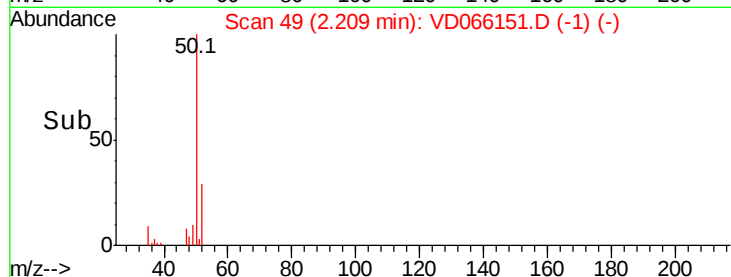
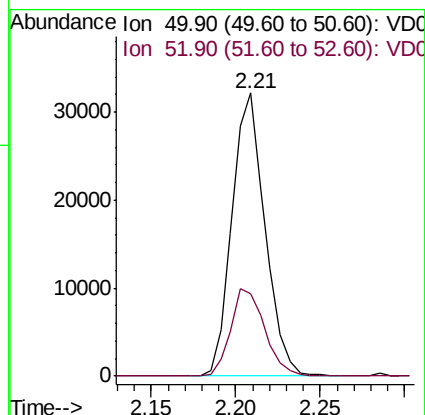
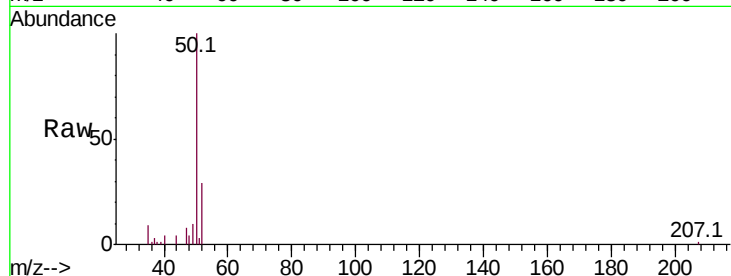
VD0807SBSD01

Tot Ion: 50 Resp: 43477

Ion Ratio Lower Upper

50 100

52 29.0 27.9 41.9



#4

Vinyl Chloride

Concen: 21.522 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD066151.D

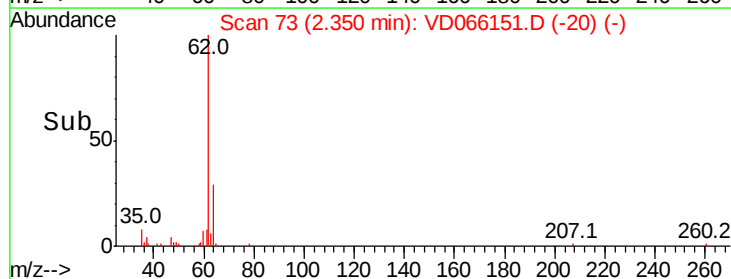
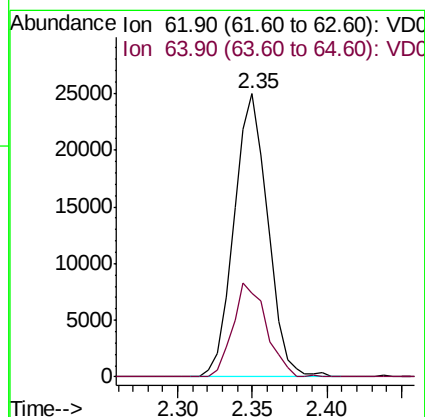
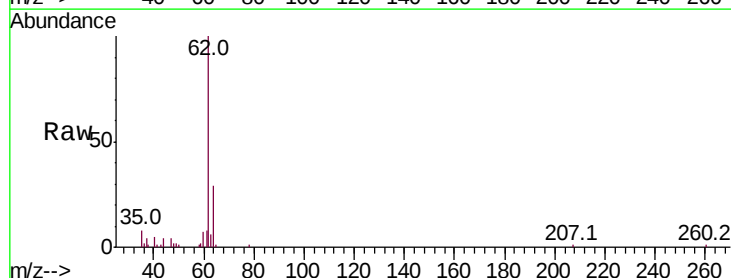
Acq: 07 Aug 2020 12:12

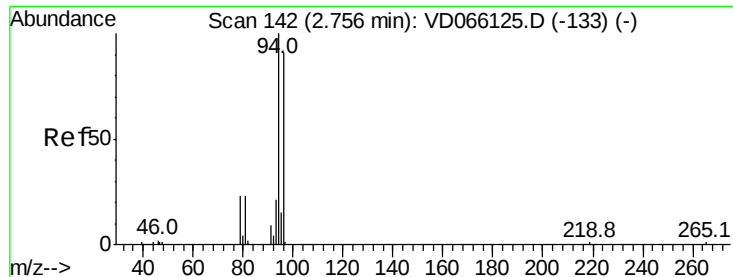
Tgt Ion: 62 Resp: 39240

Ion Ratio Lower Upper

62 100

64 29.4 25.8 38.8





#5

Bromomethane

Concen: 22.307 ug/l

RT: 2.76 min Scan# 142

Delta R.T. 0.00 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

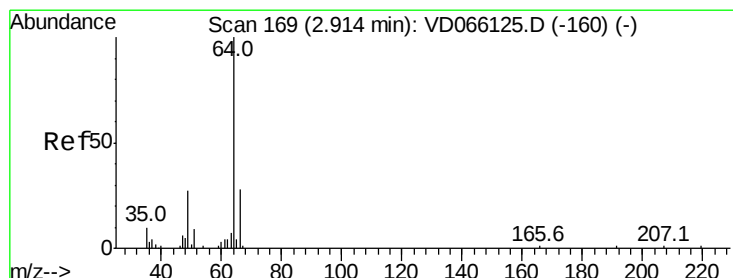
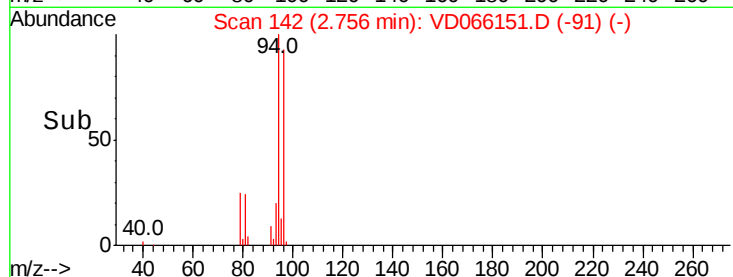
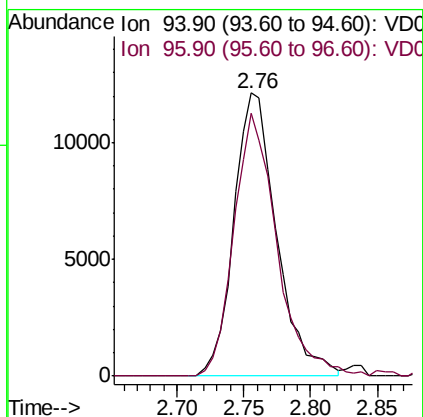
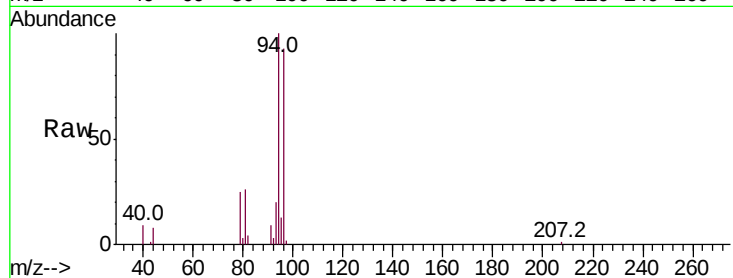
VD0807SBSD01

Tot Ion: 94 Resp: 26984

Ion Ratio Lower Upper

94 100

96 92.9 72.6 109.0



#6

Chloroethane

Concen: 22.022 ug/l

RT: 2.91 min Scan# 169

Delta R.T. 0.00 min

Lab File: VD066151.D

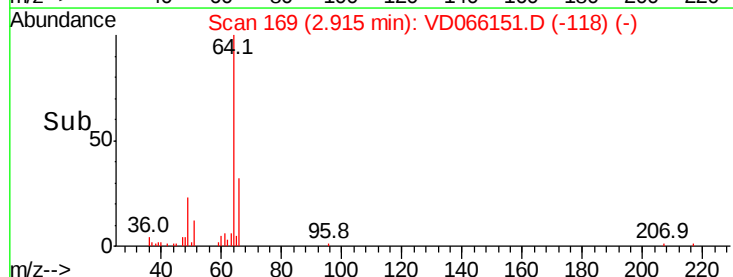
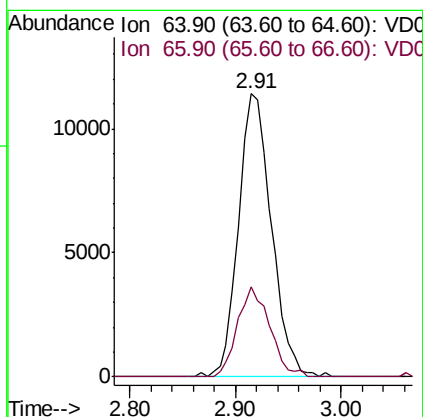
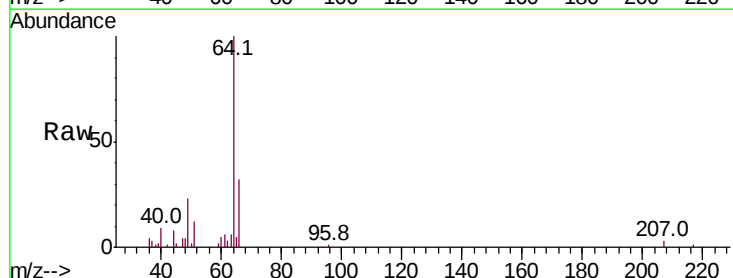
Acq: 07 Aug 2020 12:12

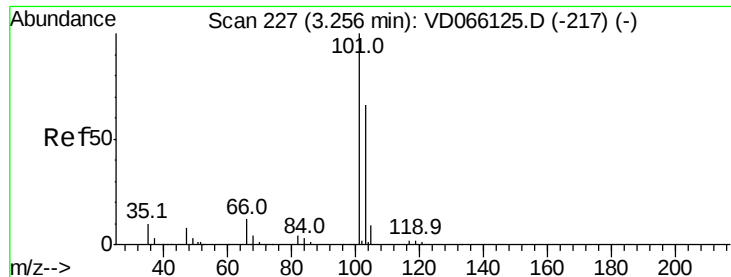
Tgt Ion: 64 Resp: 24647

Ion Ratio Lower Upper

64 100

66 31.6 22.0 33.0



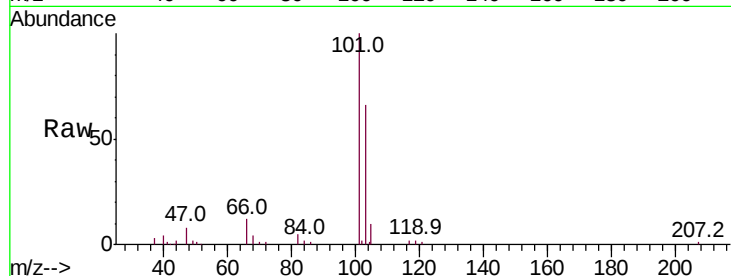


#7

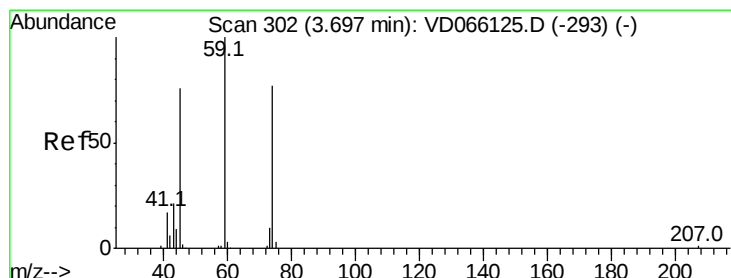
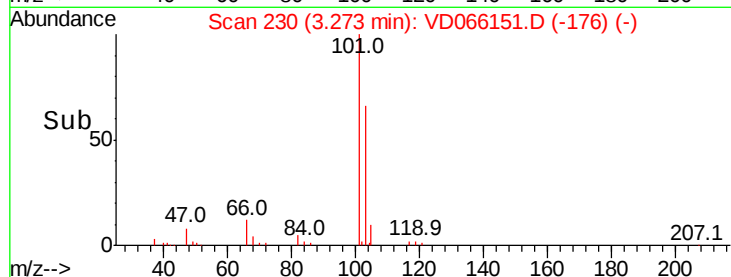
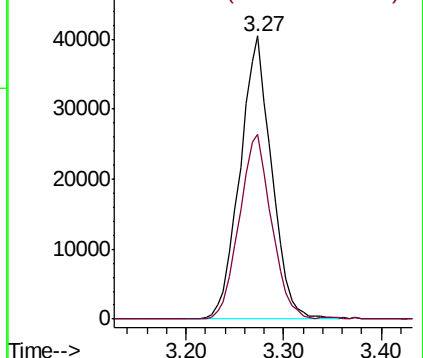
Trichlorofluoromethane
 Concen: 19.166 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.02 min
 Lab File: VD066151.D
 Acq: 07 Aug 2020 12:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBSD01

Tot Ion:101 Resp: 91101
 Ion Ratio Lower Upper
 101 100
 103 65.5 53.0 79.6



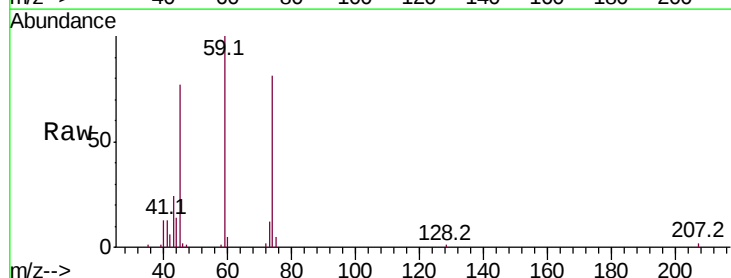
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



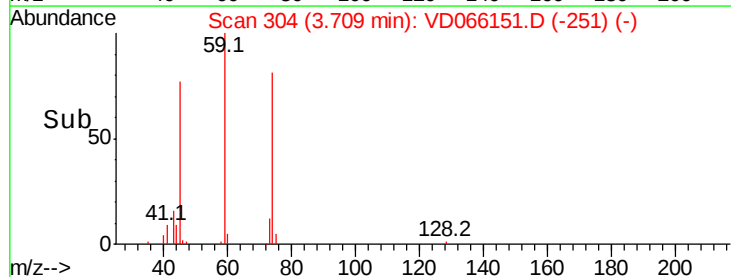
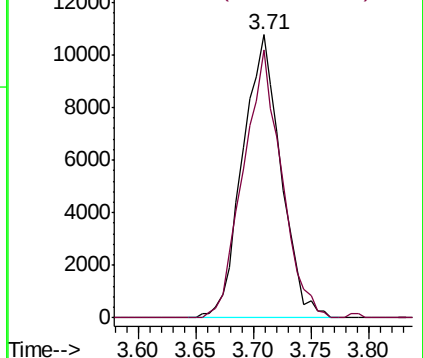
#8

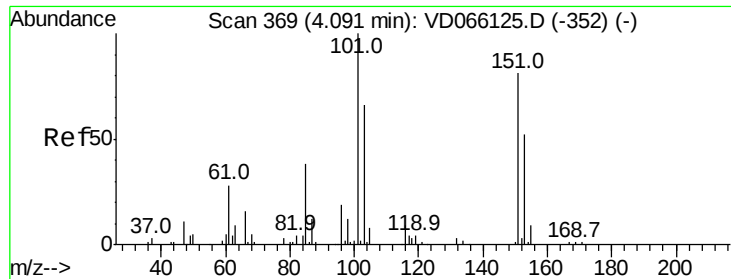
Diethyl Ether
 Concen: 18.477 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD066151.D
 Acq: 07 Aug 2020 12:12

Tgt Ion: 74 Resp: 24782
 Ion Ratio Lower Upper
 74 100
 45 94.8 48.4 145.2



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.909 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBSD01

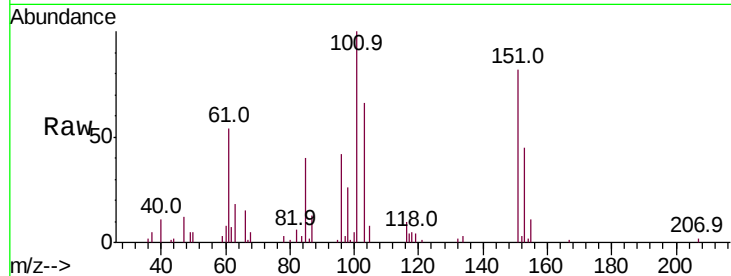
Tot Ion:101 Resp: 53343

Ion Ratio Lower Upper

101 100

85 43.4 33.5 50.3

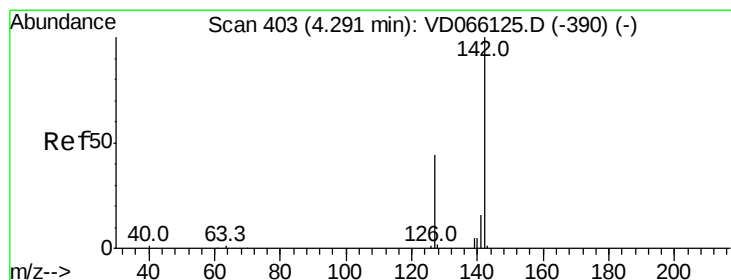
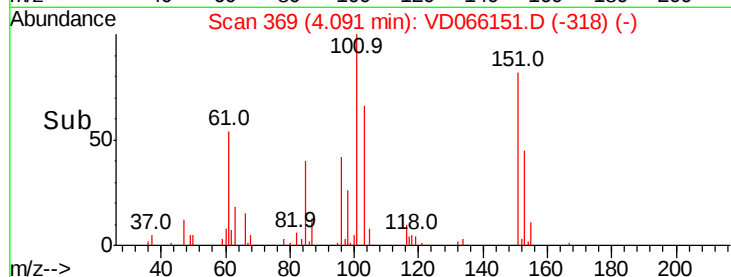
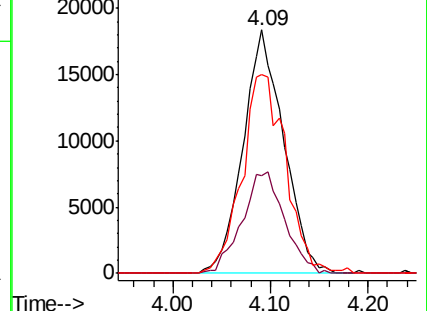
151 88.0 67.8 101.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 24.503 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

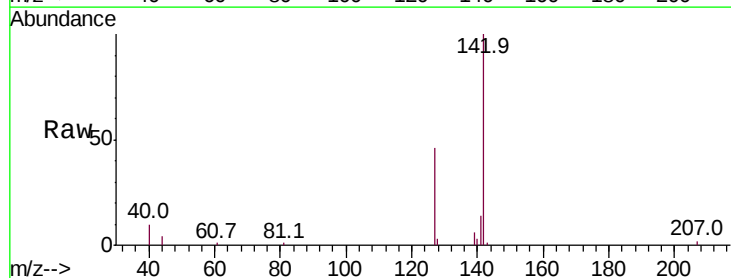
Tgt Ion:142 Resp: 52778

Ion Ratio Lower Upper

142 100

127 44.9 36.2 54.4

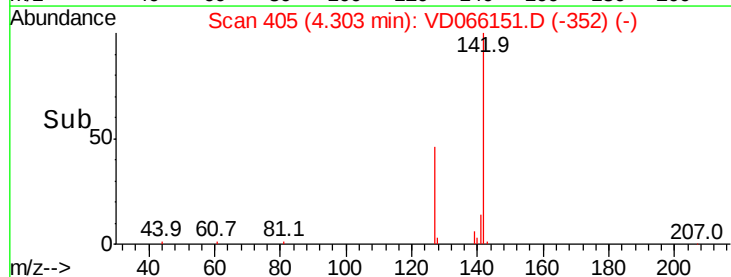
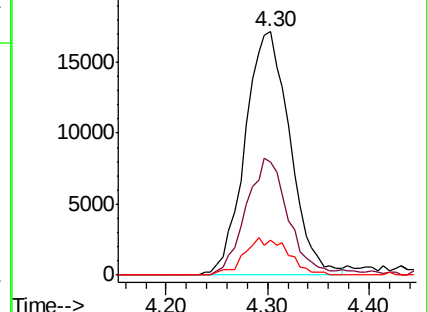
141 15.0 12.6 18.8

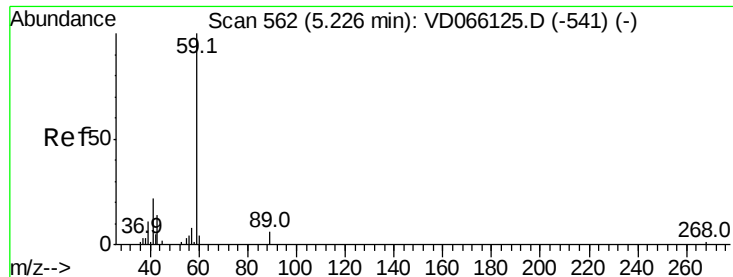


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



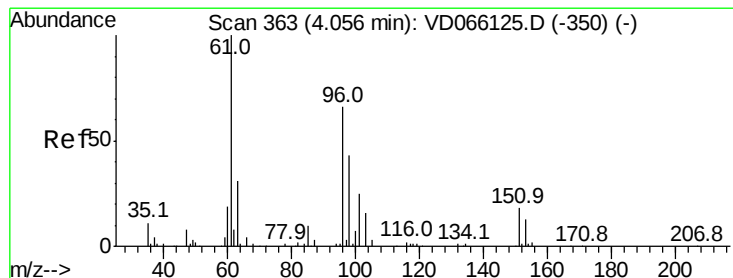
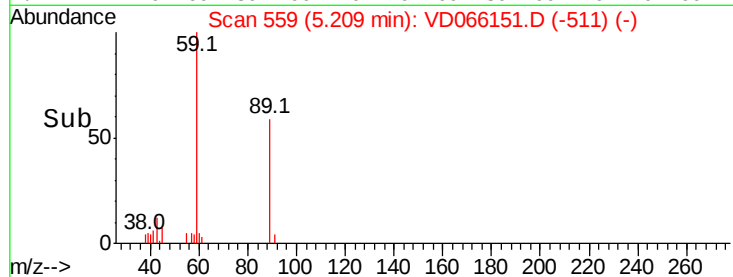
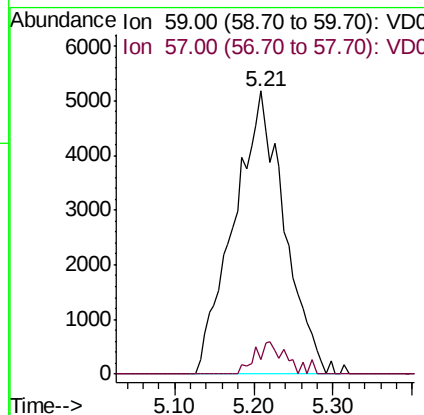
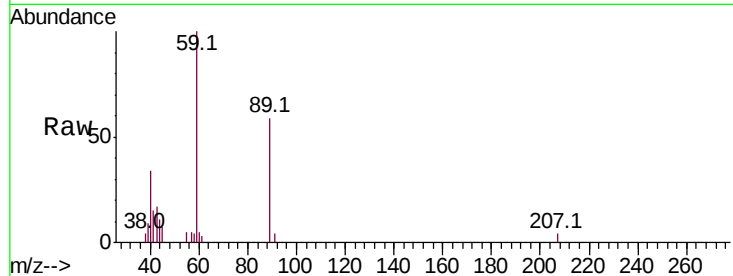


#11

Tert butyl alcohol
Concen: 90.517 ug/l
RT: 5.21 min Scan# 559
Delta R.T. -0.02 min
Lab File: VD066151.D
Acq: 07 Aug 2020 12:12

Instrument :
MSVOA_D
ClientSampleId :
VD0807SBS01

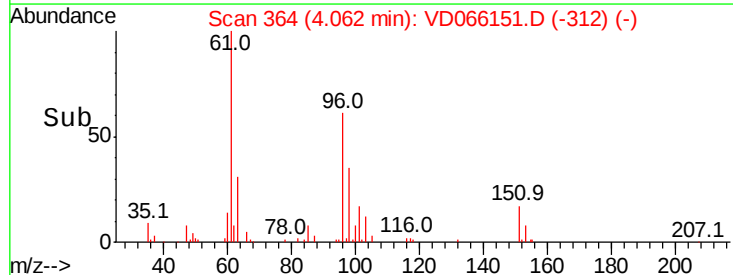
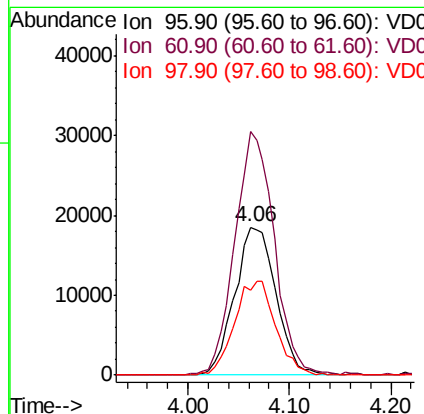
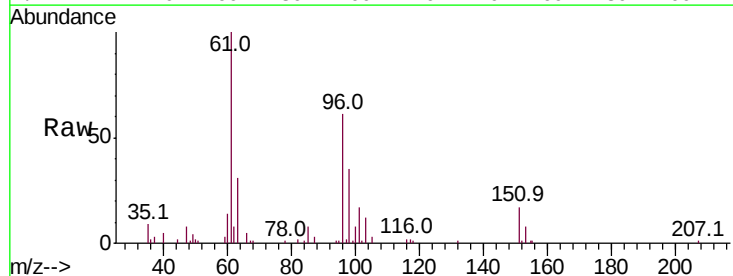
Tot Ion: 59 Resp: 22971
Ion Ratio Lower Upper
59 100
57 6.3 7.0 10.4#

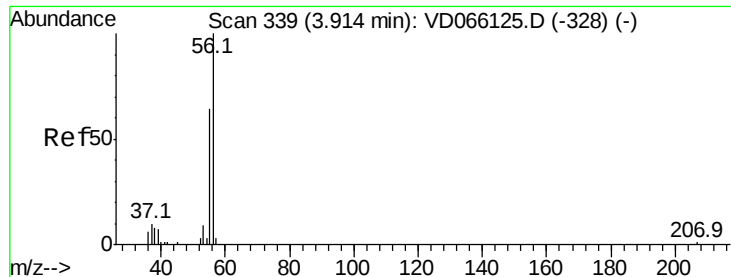


#12

1,1-Dichloroethene
Concen: 19.667 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD066151.D
Acq: 07 Aug 2020 12:12

Tgt Ion: 96 Resp: 52338
Ion Ratio Lower Upper
96 100
61 164.5 121.6 182.4
98 57.3 52.0 78.0





#13

Acrolein

Concen: 90.487 ug/l

RT: 3.91 min Scan# 339

Delta R.T. 0.00 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

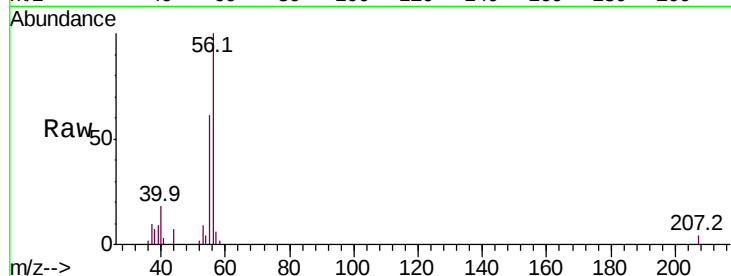
VD0807SBS01

Tot Ion: 56 Resp: 19309

Ion Ratio Lower Upper

56 100

55 72.9 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.91

8000

6000

4000

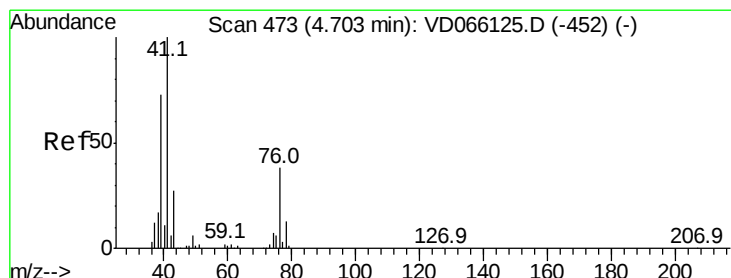
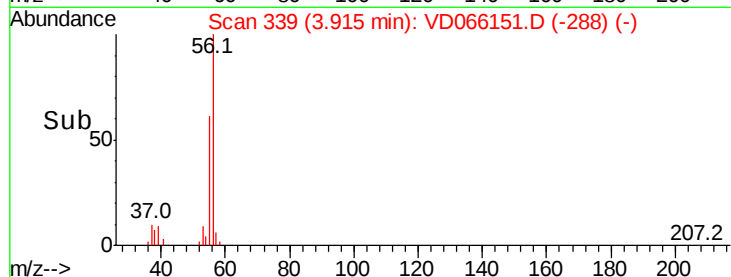
2000

0

Time--> 3.80

3.90

4.00



#14

Allyl chloride

Concen: 19.768 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

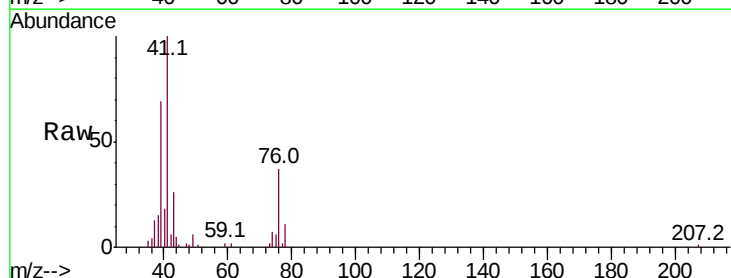
Tgt Ion: 41 Resp: 79697

Ion Ratio Lower Upper

41 100

39 69.4 57.4 86.0

76 36.9 30.1 45.1



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

4.71

30000

20000

10000

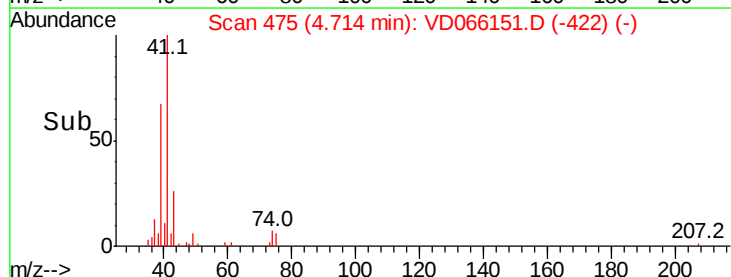
0

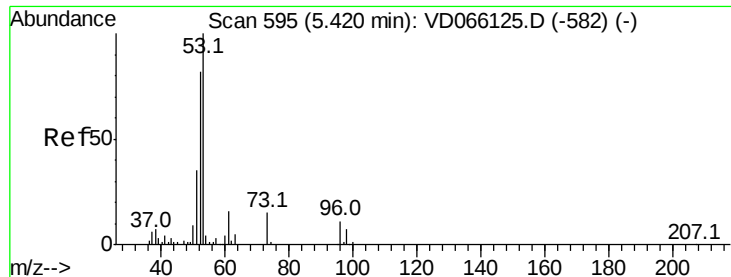
Time--> 4.50

4.60

4.70

4.80





#15

Acrylonitrile

Concen: 90.491 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBS01

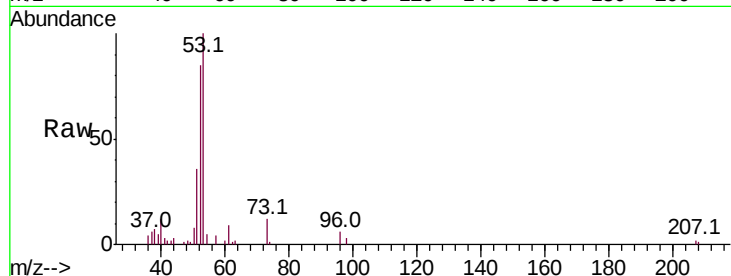
Tot Ion: 53 Resp: 51144

Ion Ratio Lower Upper

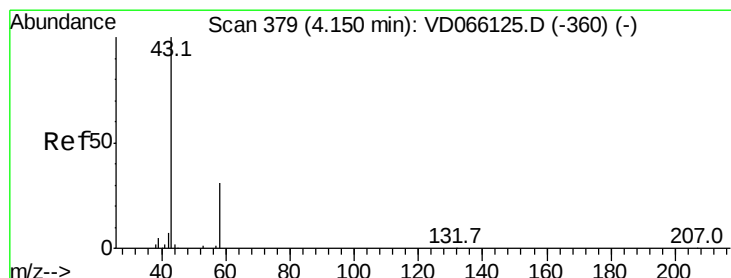
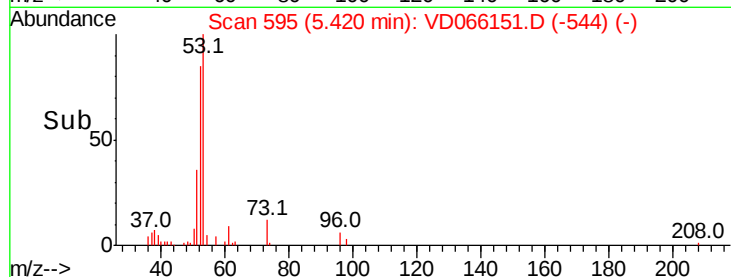
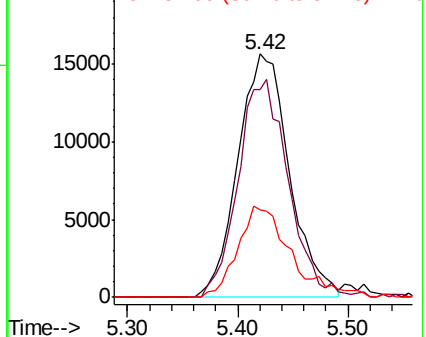
53 100

52 87.4 66.1 99.1

51 38.6 30.8 46.2



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 92.201 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD066151.D

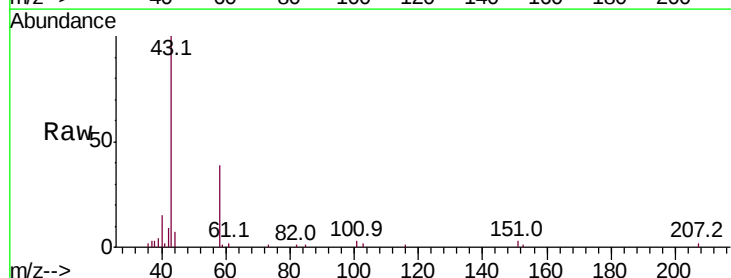
Acq: 07 Aug 2020 12:12

Tgt Ion: 43 Resp: 46900

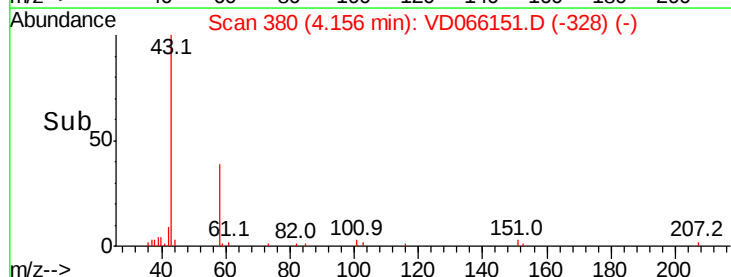
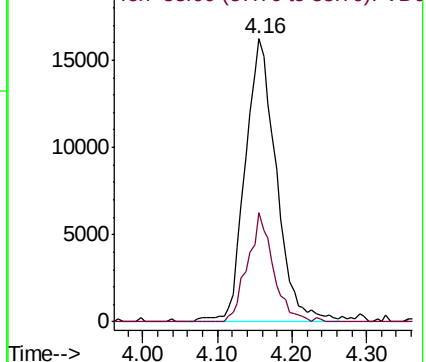
Ion Ratio Lower Upper

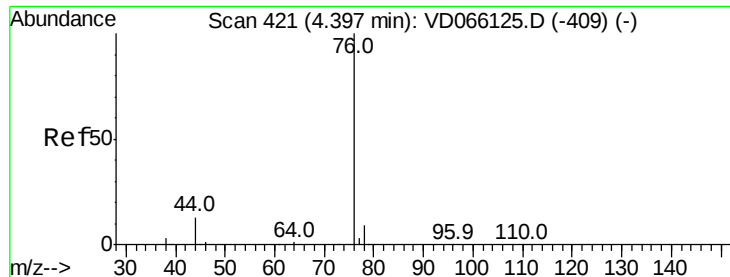
43 100

58 38.8 24.7 37.1#



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

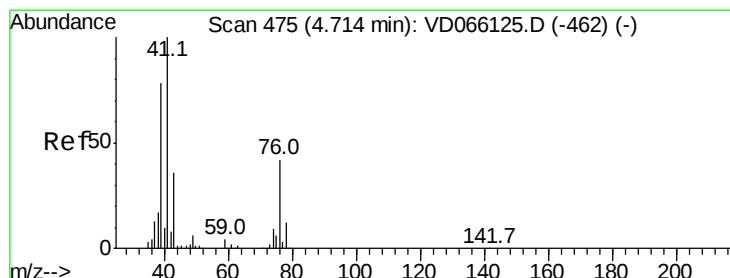
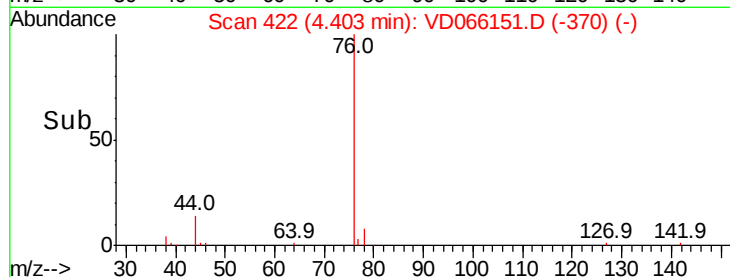
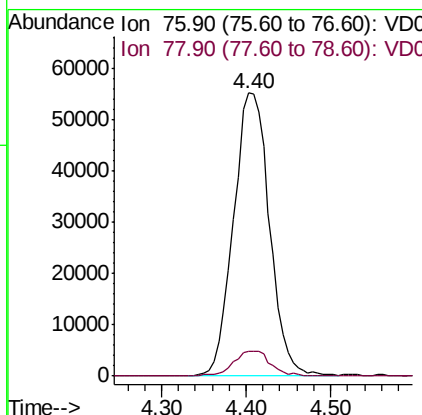
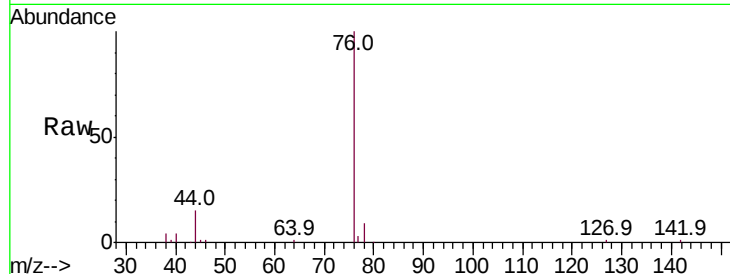




#17
Carbon Disulfide
Concen: 19.246 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD066151.D
Acq: 07 Aug 2020 12:12

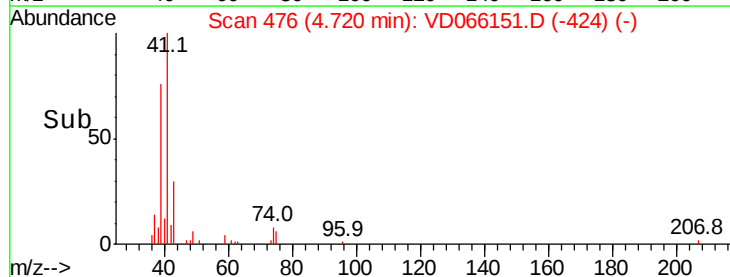
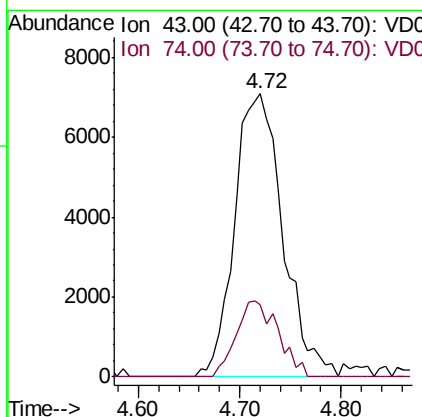
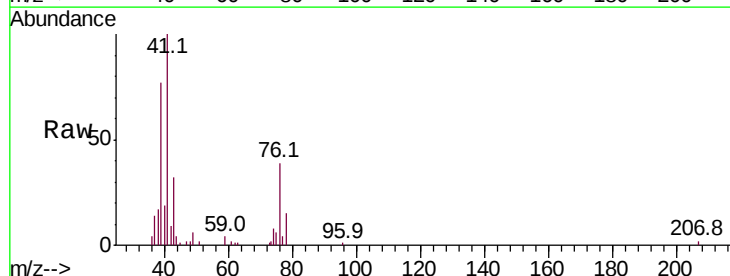
Instrument :
MSVOA_D
ClientSampleId :
VD0807SBSD01

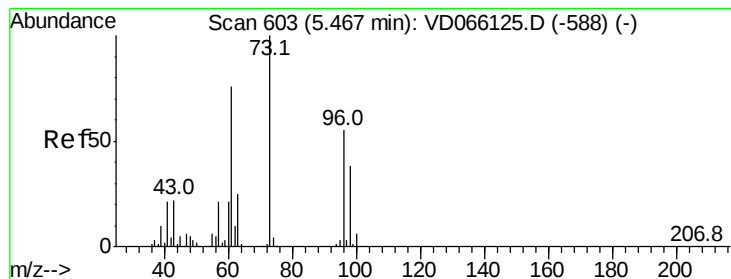
Tot Ion: 76 Resp: 162851
Ion Ratio Lower Upper
76 100
78 8.9 7.5 11.3



#18
Methyl Acetate
Concen: 18.154 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD066151.D
Acq: 07 Aug 2020 12:12

Tgt Ion: 43 Resp: 23456
Ion Ratio Lower Upper
43 100
74 23.4 21.2 31.8



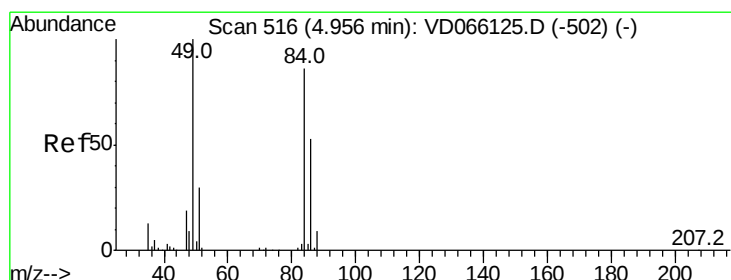
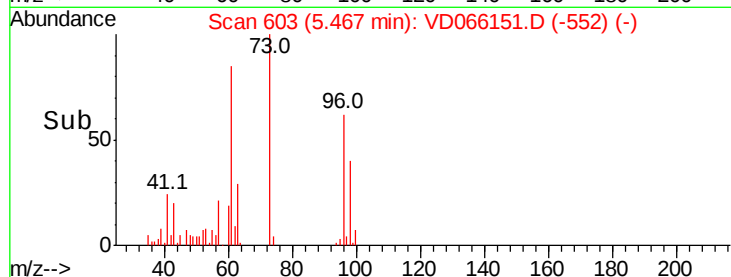
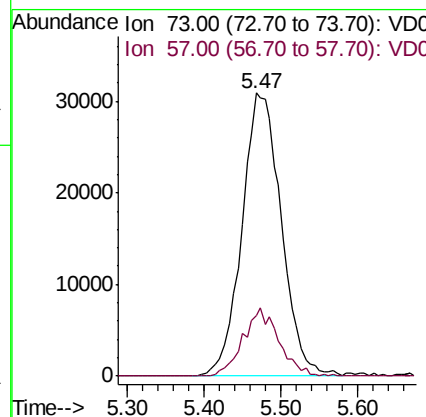
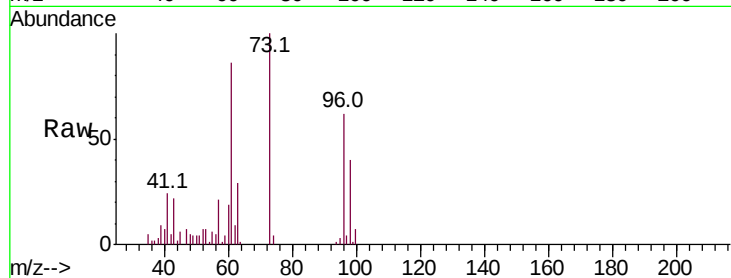


#19

Methyl tert-butyl Ether
 Concen: 18.069 ug/l
 RT: 5.47 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VD066151.D
 Acq: 07 Aug 2020 12:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBSD01

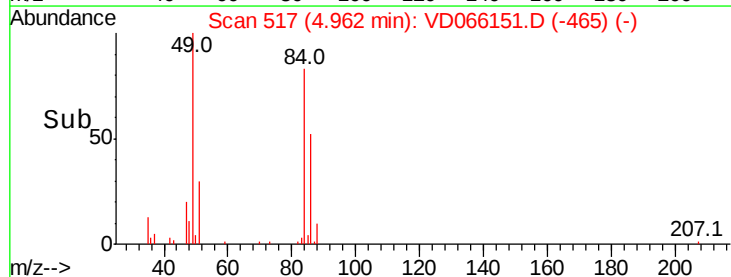
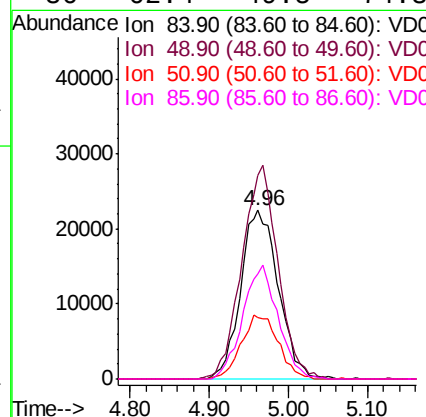
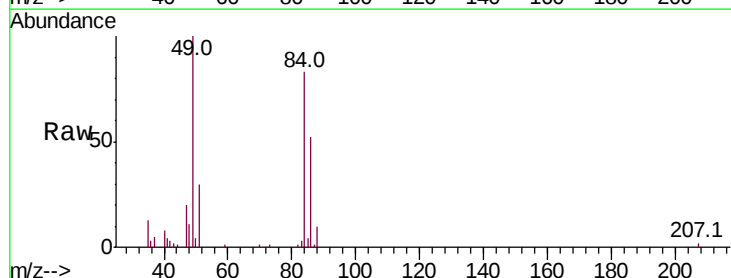
Tot Ion: 73 Resp: 110216
 Ion Ratio Lower Upper
 73 100
 57 21.2 17.1 25.7

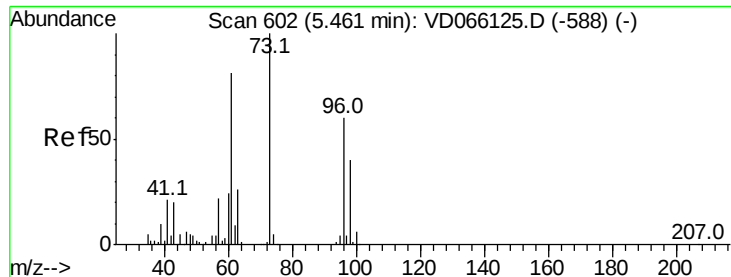


#20

Methylene Chloride
 Concen: 22.921 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.01 min
 Lab File: VD066151.D
 Acq: 07 Aug 2020 12:12

Tgt Ion: 84 Resp: 74337
 Ion Ratio Lower Upper
 84 100
 49 121.1 93.5 140.3
 51 36.8 28.2 42.4
 86 62.4 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 19.027 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.01 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBSD01

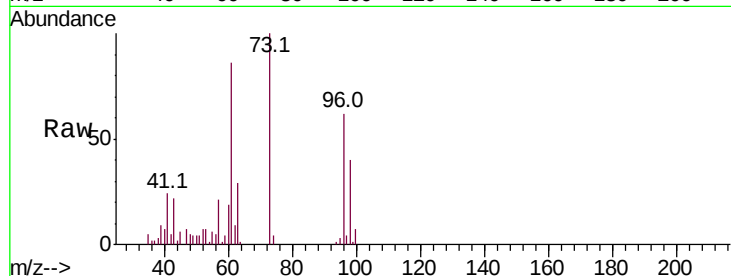
Tot Ion: 96 Resp: 58167

Ion Ratio Lower Upper

96 100

61 138.8 106.9 160.3

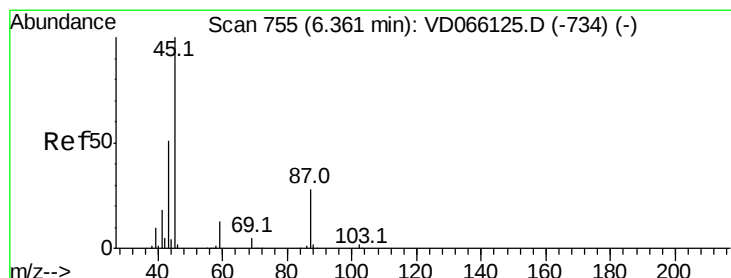
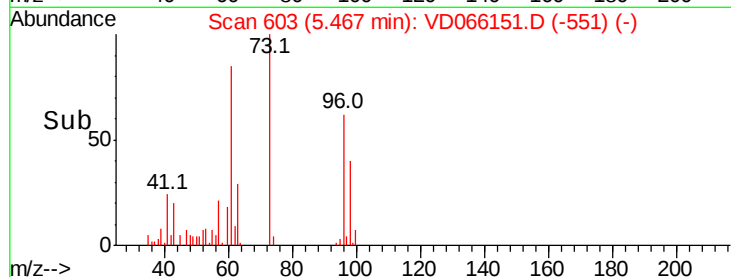
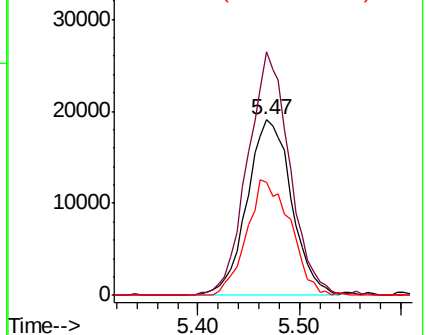
98 64.7 53.4 80.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 19.966 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

Tgt Ion: 45 Resp: 159179

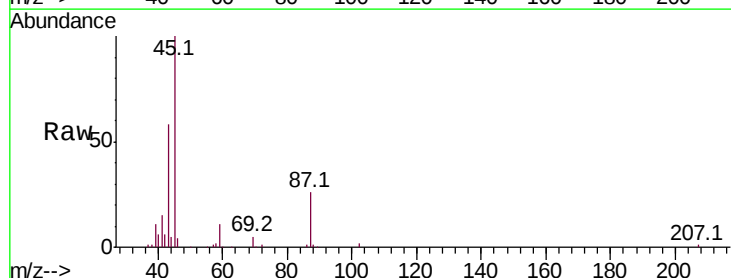
Ion Ratio Lower Upper

45 100

43 56.5 41.2 61.8

87 25.5 22.8 34.2

59 10.6 10.2 15.2

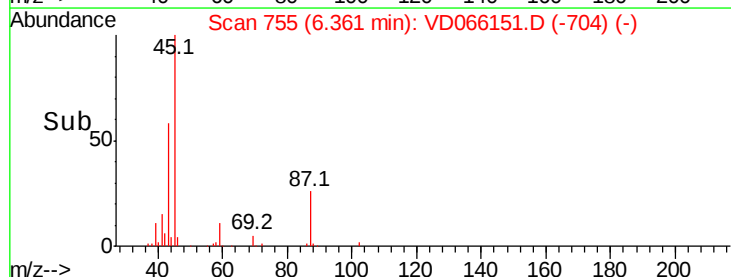
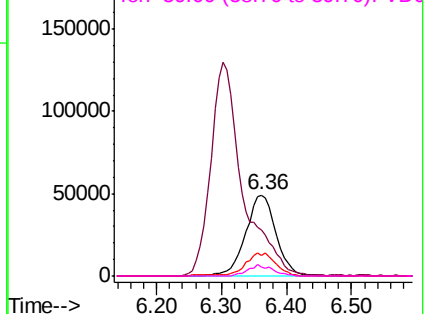


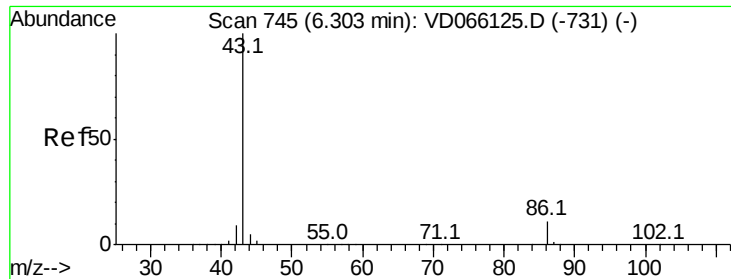
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 94.431 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

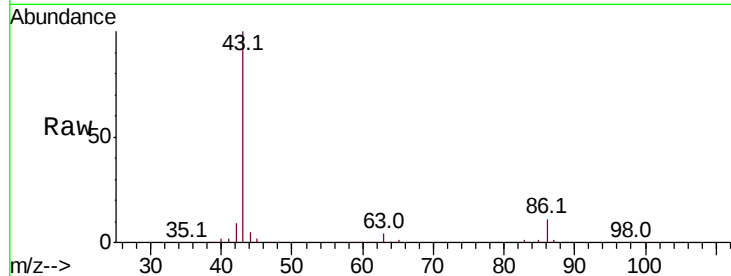
VD0807SBS01

Tot Ion: 43 Resp: 441058

Ion Ratio Lower Upper

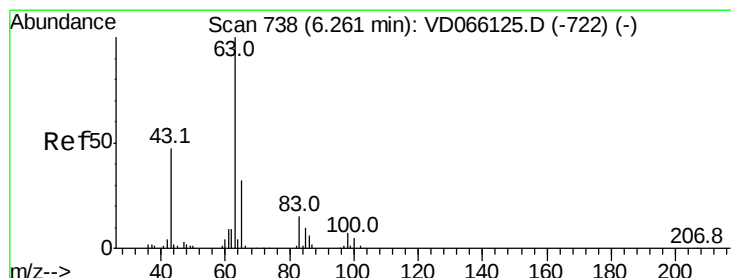
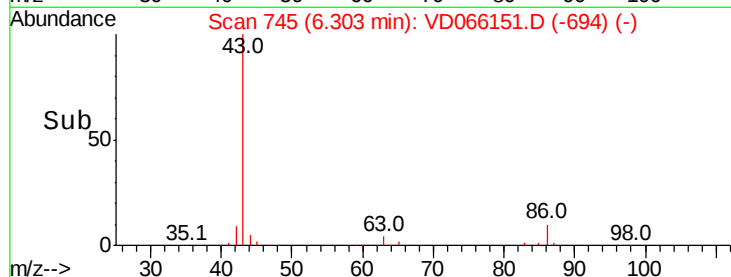
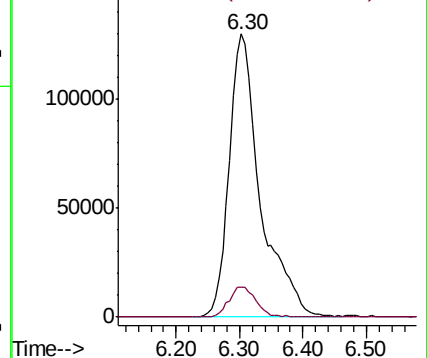
43 100

86 10.5 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.472 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

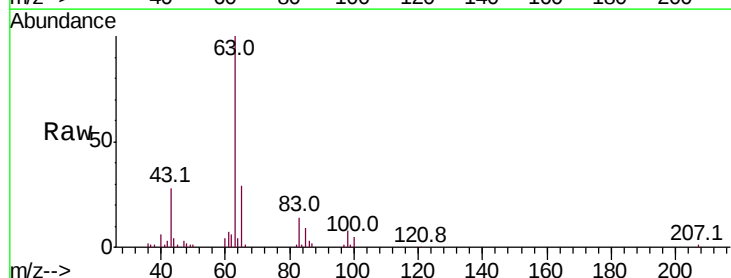
Tgt Ion: 63 Resp: 96072

Ion Ratio Lower Upper

63 100

98 7.7 3.5 10.5

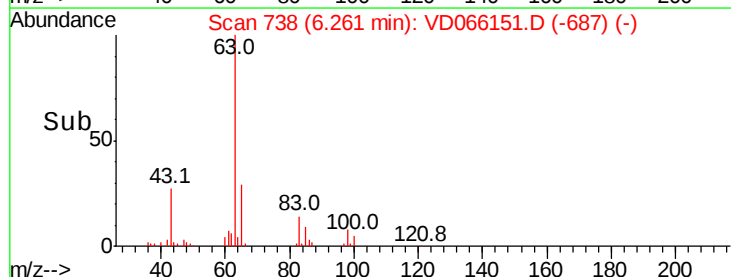
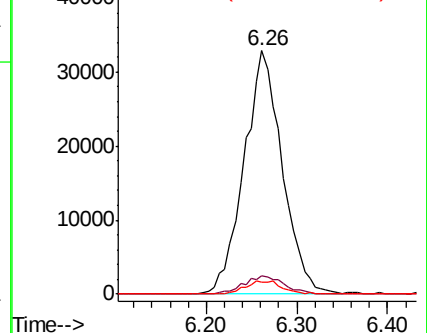
100 5.1 2.4 7.2

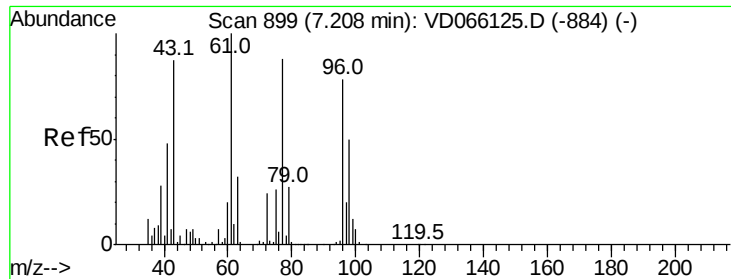


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

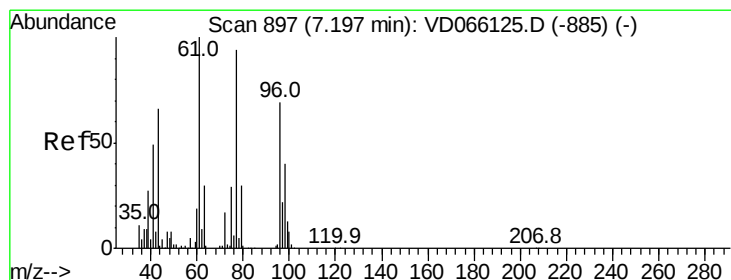
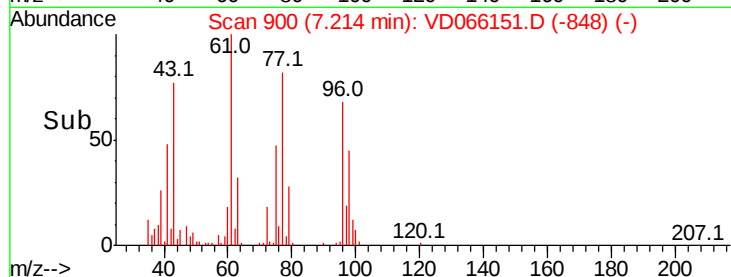
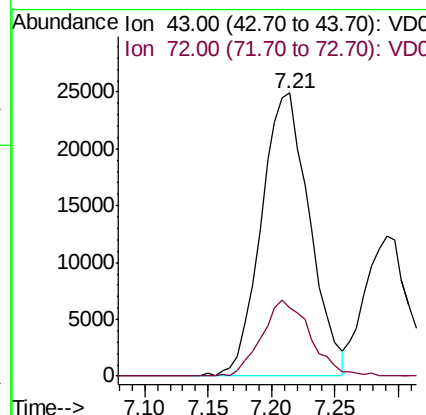
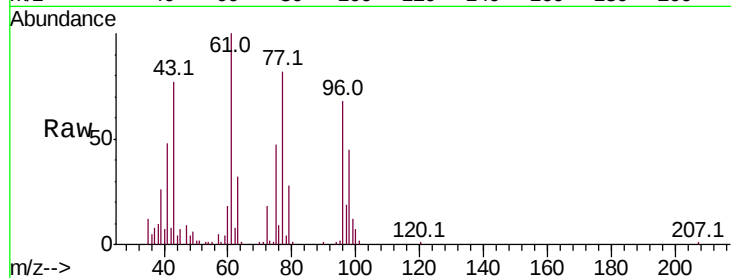




#25
2-Butanone
Concen: 88.561 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066151.D
Acq: 07 Aug 2020 12:12

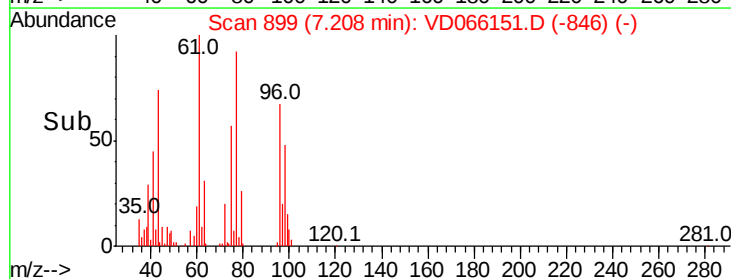
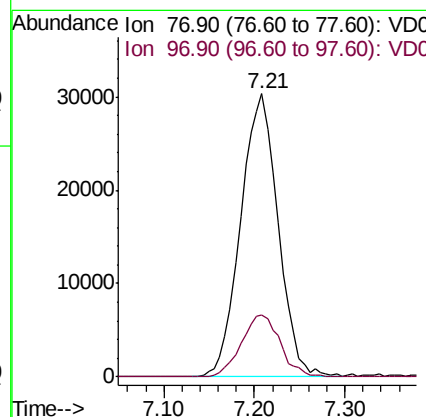
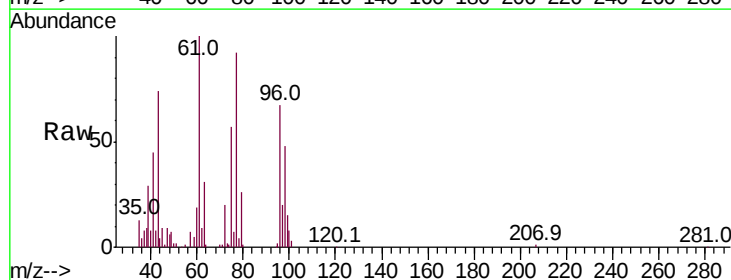
Instrument :
MSVOA_D
ClientSampleId :
VD0807SBS01

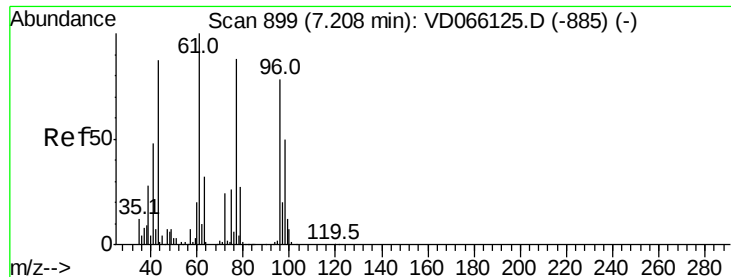
Tot Ion: 43 Resp: 66258
Ion Ratio Lower Upper
43 100
72 24.0 22.2 33.2



#26
2,2-Dichloropropane
Concen: 19.686 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.01 min
Lab File: VD066151.D
Acq: 07 Aug 2020 12:12

Tgt Ion: 77 Resp: 87056
Ion Ratio Lower Upper
77 100
97 22.7 11.8 35.3



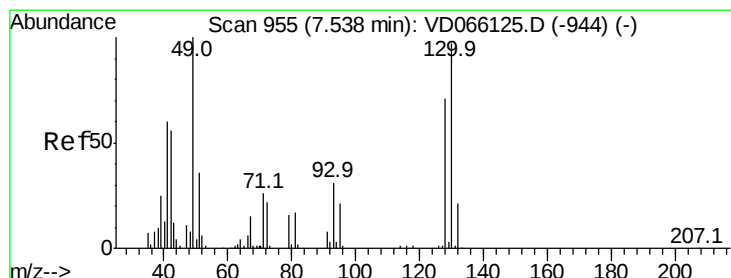
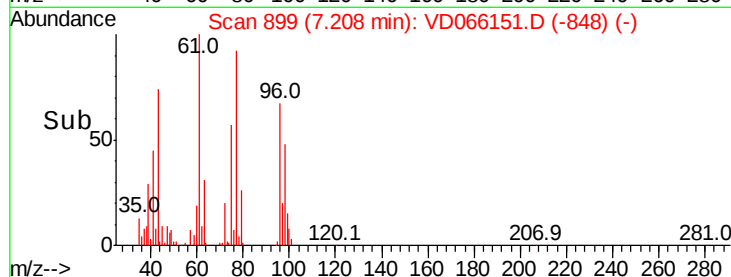
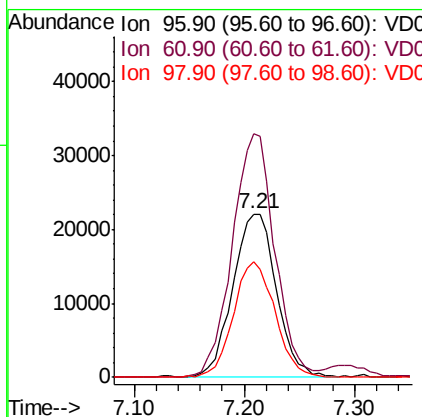
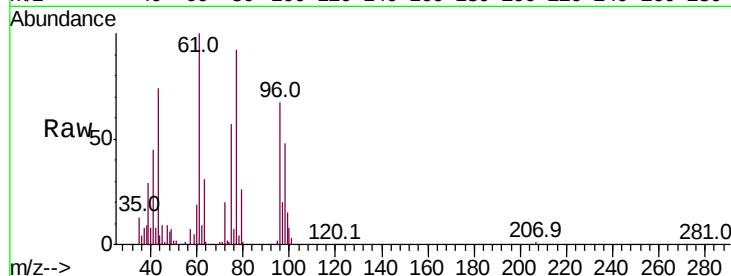


#27

cis-1,2-Dichloroethene
Concen: 19.118 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066151.D
Acq: 07 Aug 2020 12:12

Instrument :
MSVOA_D
ClientSampleId :
VD0807SBSD01

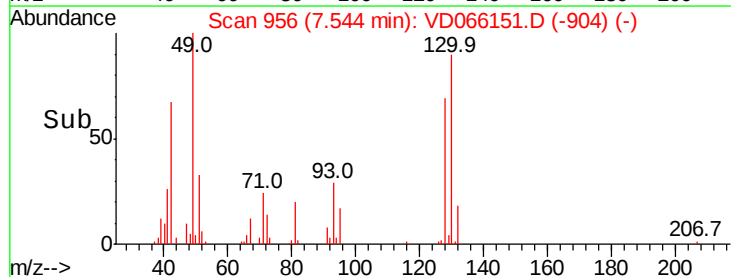
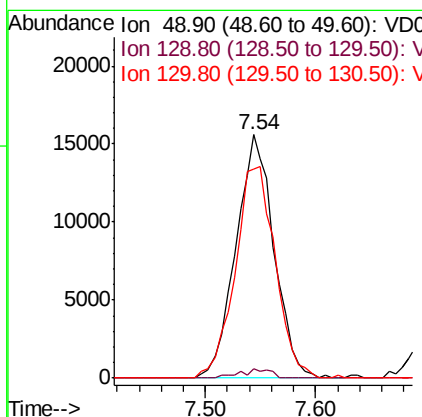
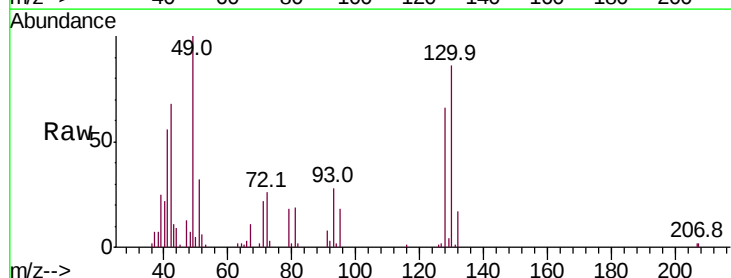
Tot Ion: 96 Resp: 61302
Ion Ratio Lower Upper
96 100
61 144.1 0.0 281.6
98 67.3 0.0 130.8

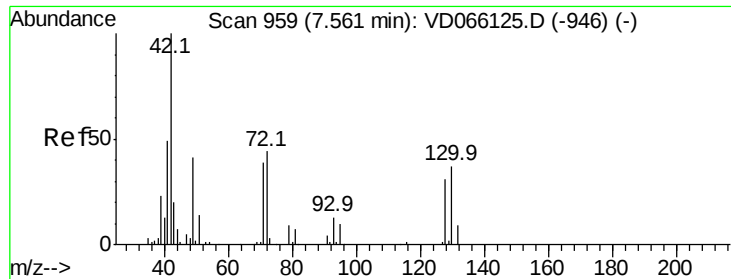


#28

Bromochloromethane
Concen: 21.776 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.01 min
Lab File: VD066151.D
Acq: 07 Aug 2020 12:12

Tgt Ion: 49 Resp: 37736
Ion Ratio Lower Upper
49 100
129 3.0 0.0 6.0
130 91.6 73.8 110.6





#29

Tetrahydrofuran

Concen: 92.802 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBS01

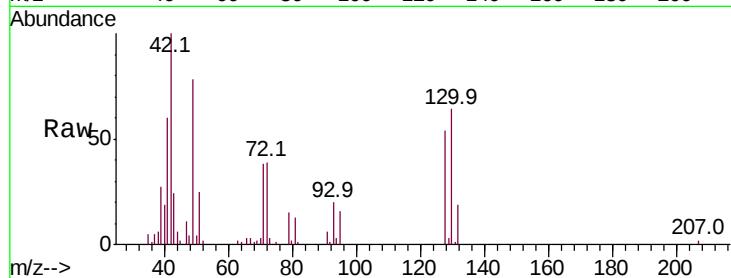
Tot Ion: 42 Resp: 43017

Ion Ratio Lower Upper

42 100

72 43.4 34.8 52.2

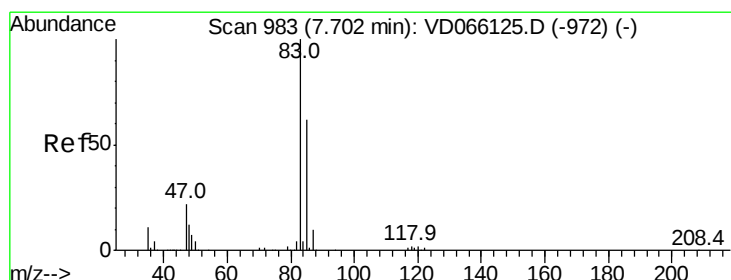
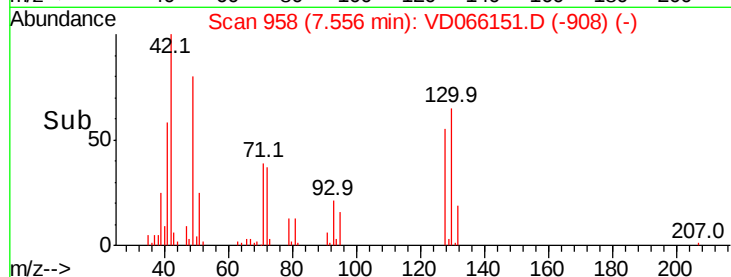
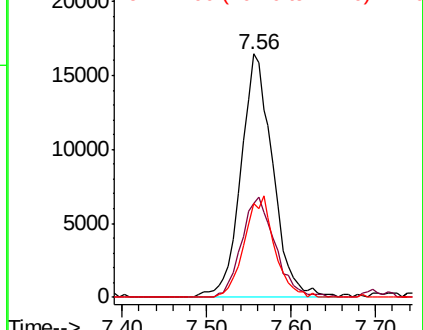
71 39.4 33.5 50.3



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 19.230 ug/l

RT: 7.71 min Scan# 984

Delta R.T. 0.01 min

Lab File: VD066151.D

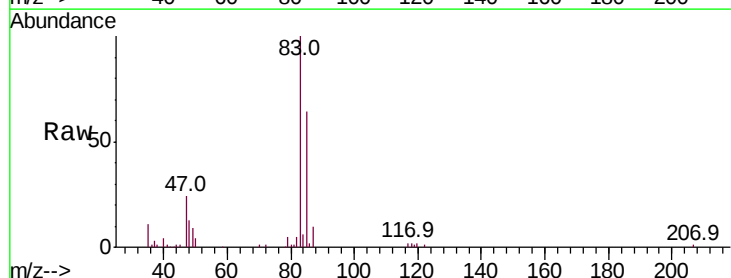
Acq: 07 Aug 2020 12:12

Tgt Ion: 83 Resp: 99627

Ion Ratio Lower Upper

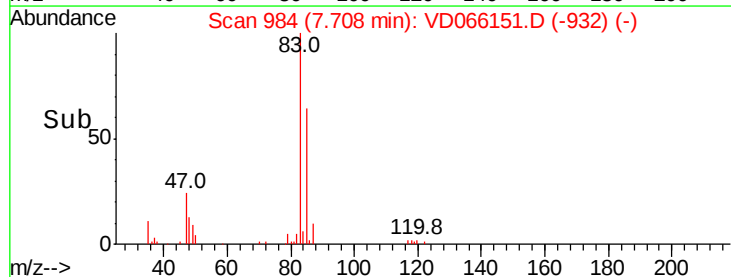
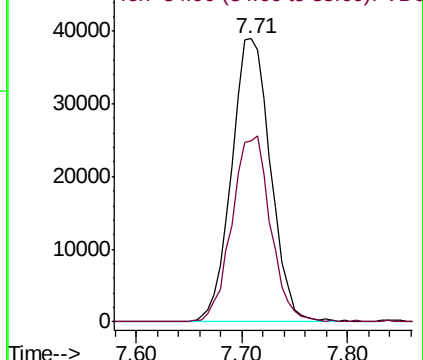
83 100

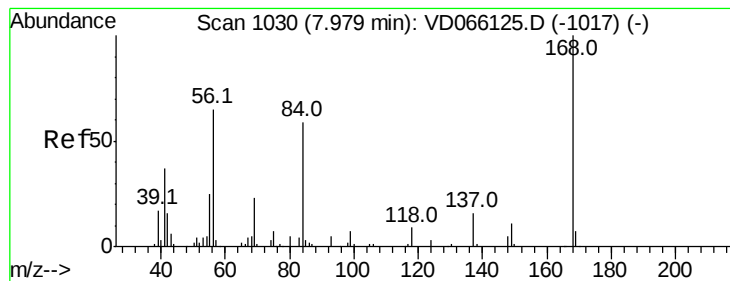
85 64.1 49.5 74.3



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 19.268 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBS01

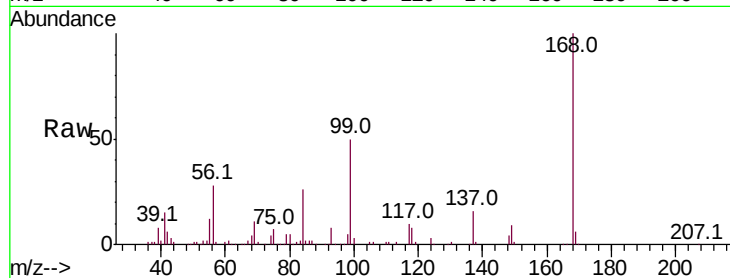
Tot Ion: 56 Resp: 90497

Ion Ratio Lower Upper

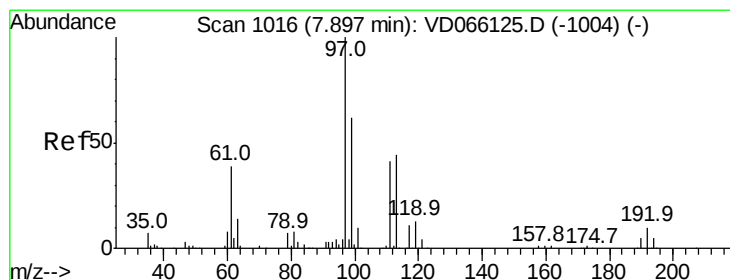
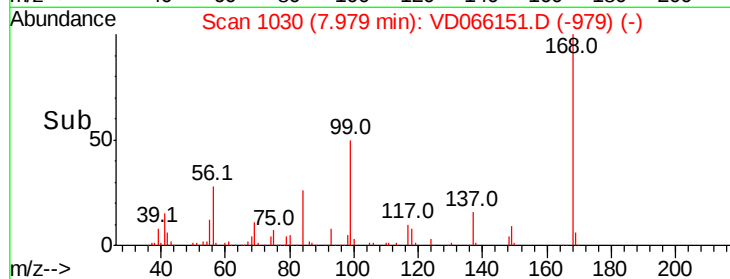
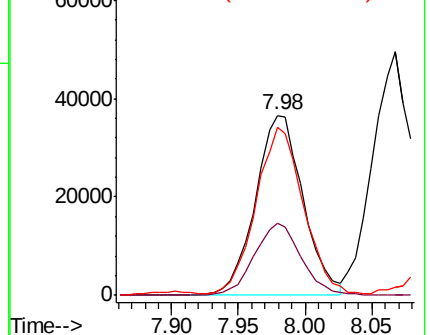
56 100

69 39.8 28.8 43.2

84 91.7 73.0 109.6



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: 19.177 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

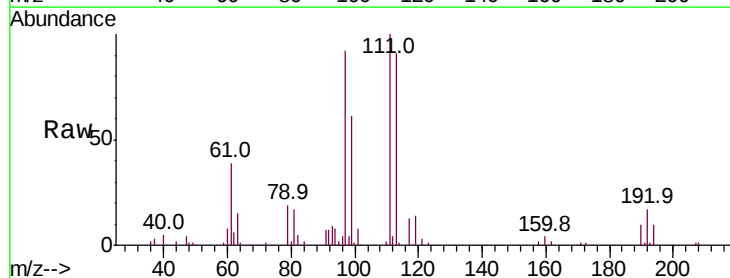
Tgt Ion: 97 Resp: 93156

Ion Ratio Lower Upper

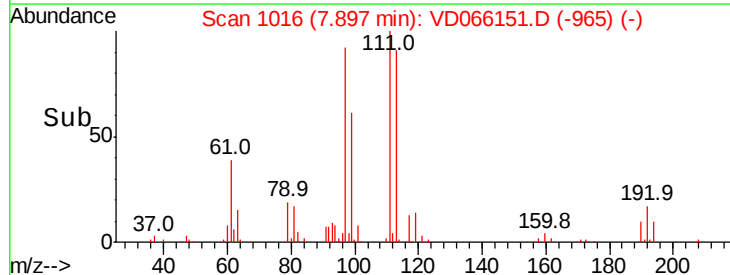
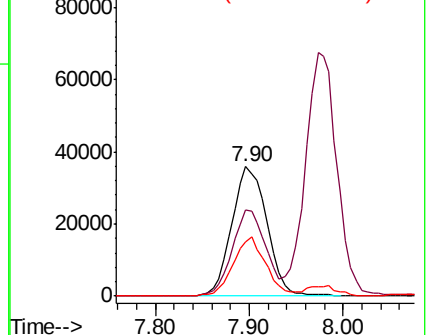
97 100

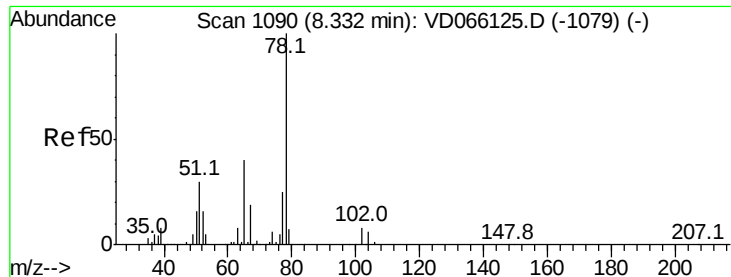
99 63.5 51.1 76.7

61 42.3 32.7 49.1



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: 53.853 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

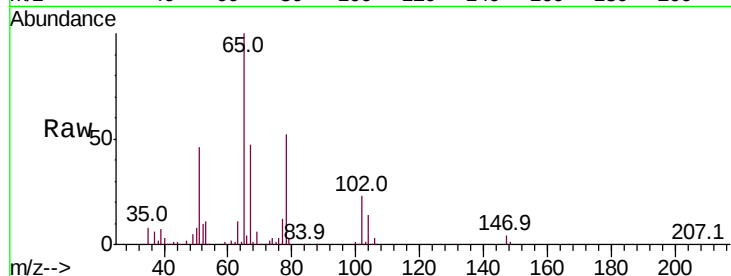
VD0807SBSD01

Tot Ion: 65 Resp: 144372

Ion Ratio Lower Upper

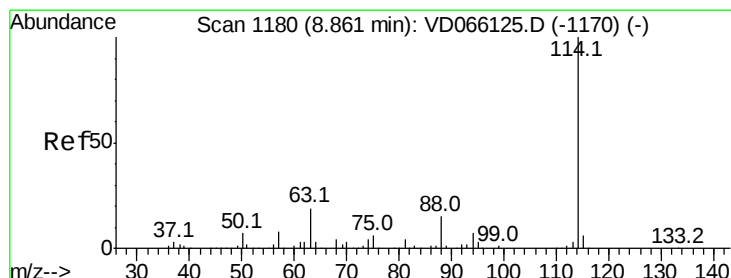
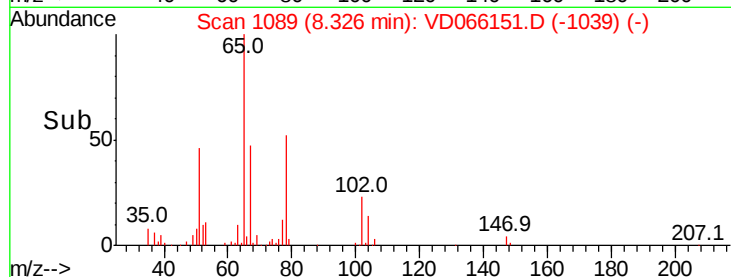
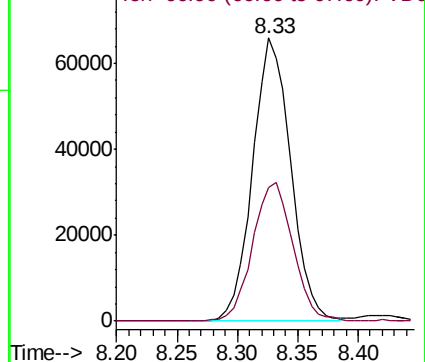
65 100

67 51.8 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

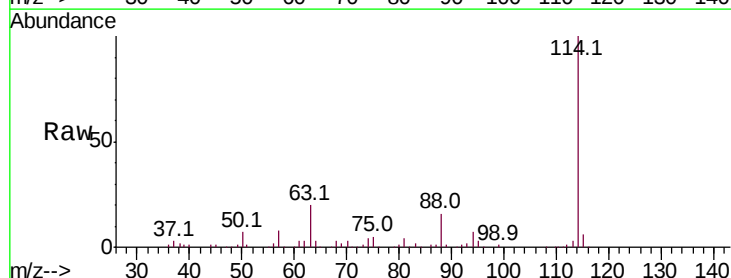
Tgt Ion: 114 Resp: 438093

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.6

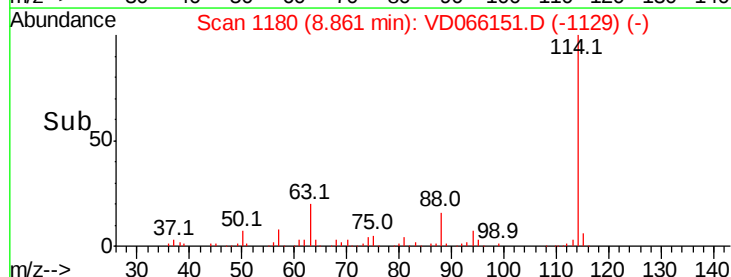
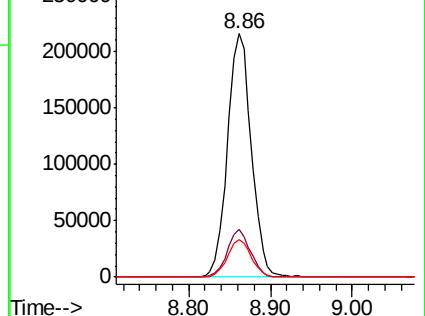
88 15.7 0.0 30.0

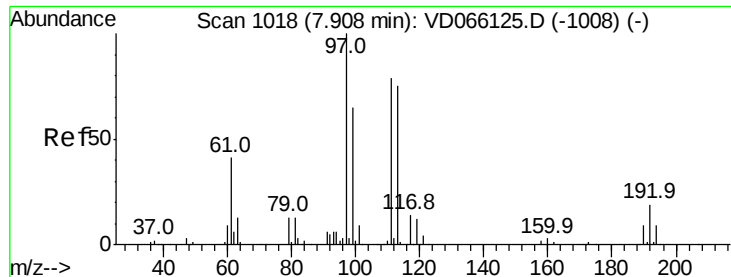


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

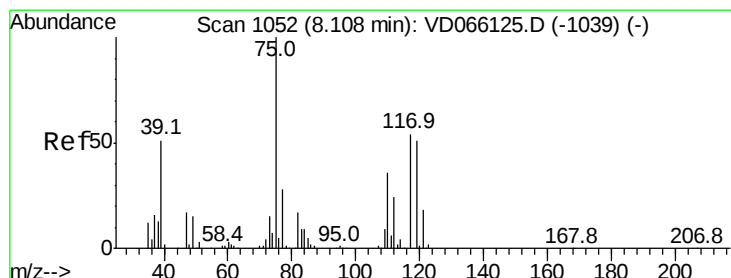
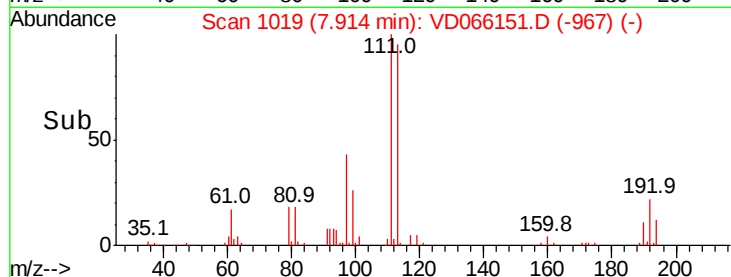
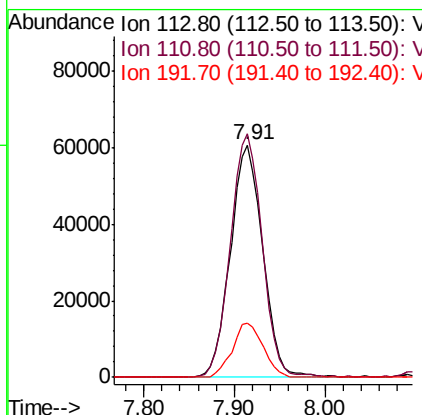
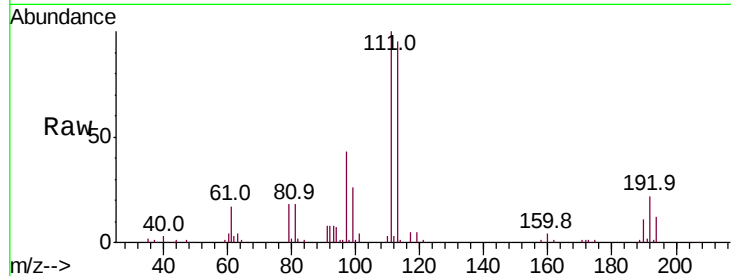




#35
 Dibromofluoromethane
 Concen: 54.210 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066151.D
 Acq: 07 Aug 2020 12:12

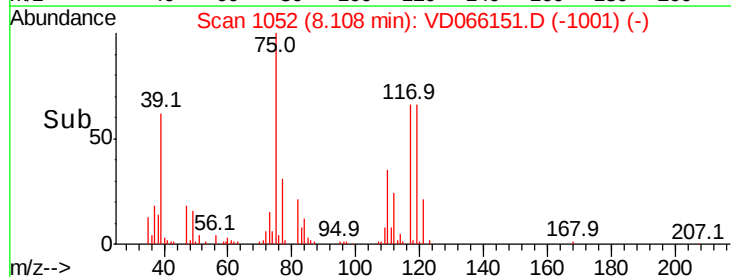
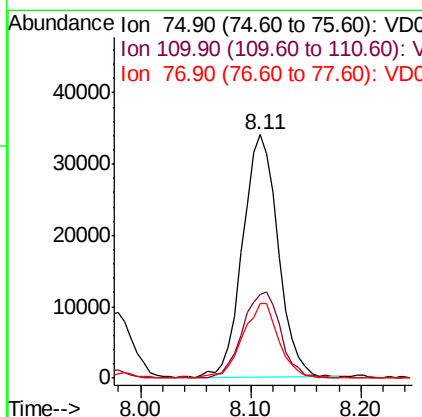
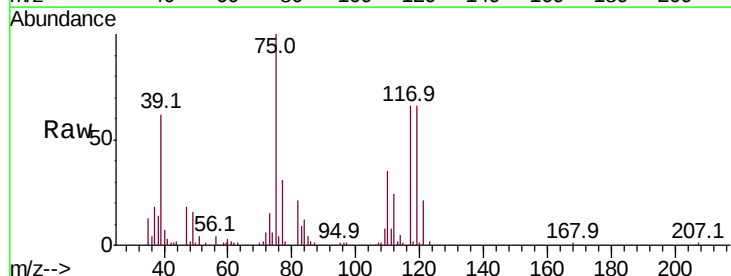
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBSD01

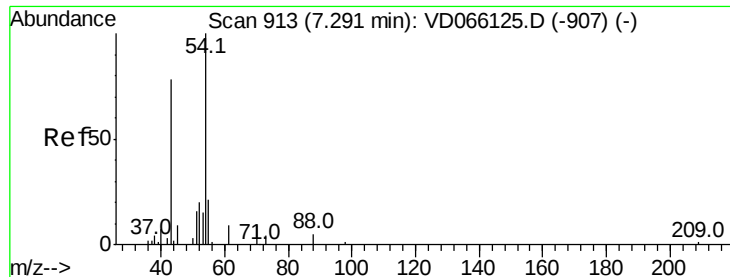
Tot Ion:113 Resp: 150448
 Ion Ratio Lower Upper
 113 100
 111 103.2 80.7 121.1
 192 22.3 18.4 27.6



#36
 1,1-Dichloropropene
 Concen: 18.606 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066151.D
 Acq: 07 Aug 2020 12:12

Tgt Ion: 75 Resp: 76594
 Ion Ratio Lower Upper
 75 100
 110 38.1 18.8 56.3
 77 31.5 24.2 36.2

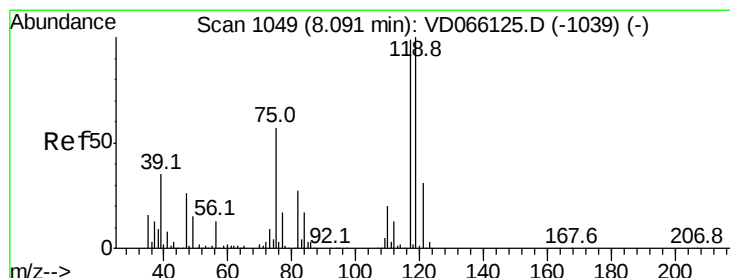
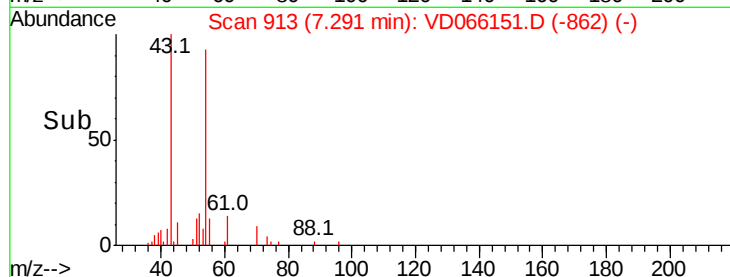
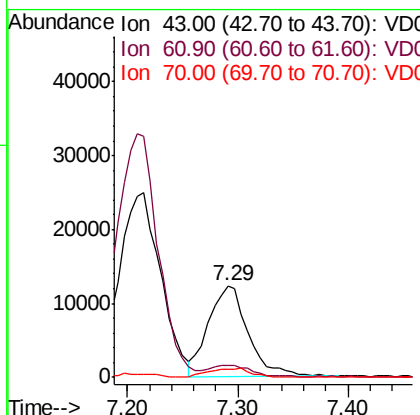
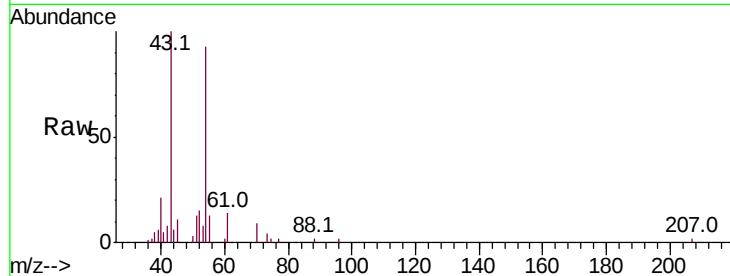




#37
Ethyl Acetate
Concen: 18.742 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066151.D
Acq: 07 Aug 2020 12:12

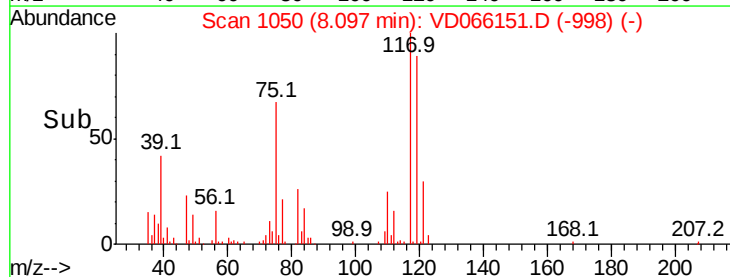
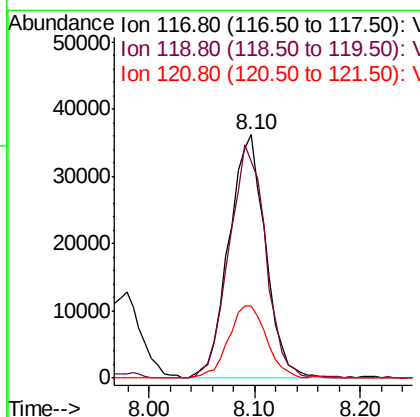
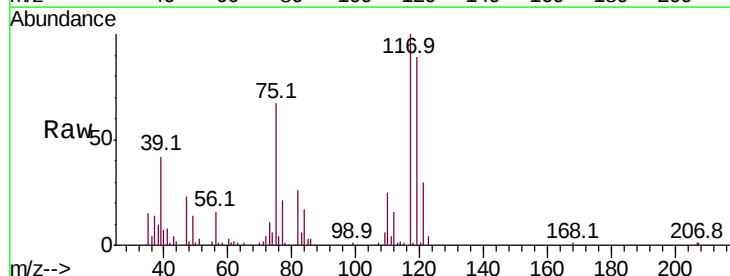
Instrument :
MSVOA_D
ClientSampleId :
VD0807SBSD01

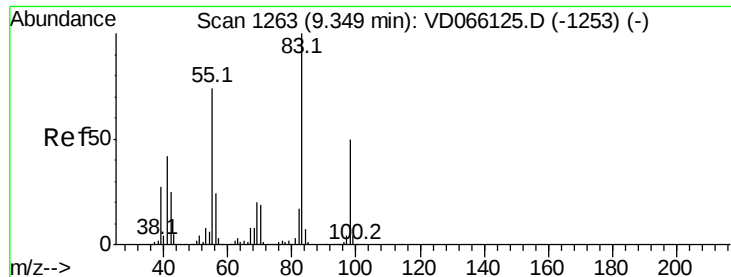
Tot Ion: 43 Resp: 30571
Ion Ratio Lower Upper
43 100
61 14.1 12.0 18.0
70 10.3 9.7 14.5



#38
Carbon Tetrachloride
Concen: 18.947 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066151.D
Acq: 07 Aug 2020 12:12

Tgt Ion: 117 Resp: 86982
Ion Ratio Lower Upper
117 100
119 88.8 81.0 121.4
121 29.9 24.8 37.2

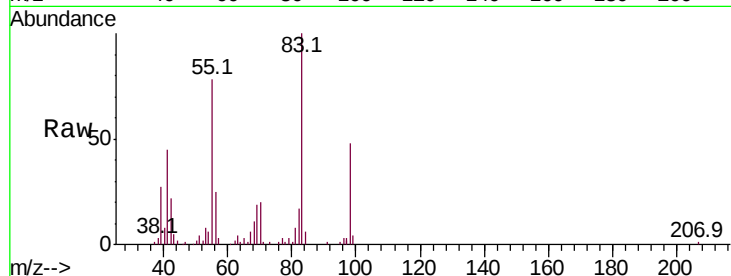




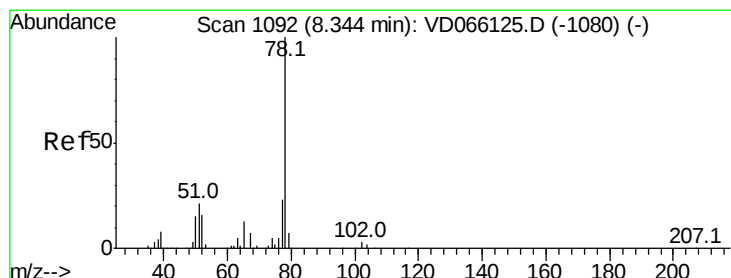
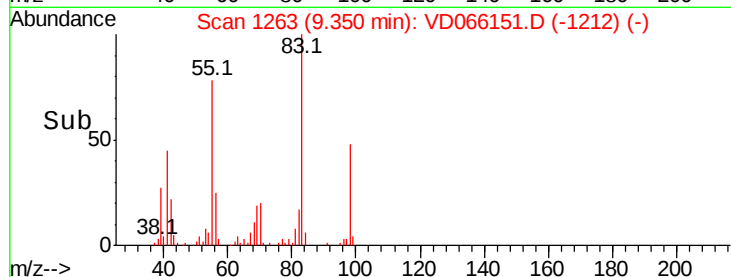
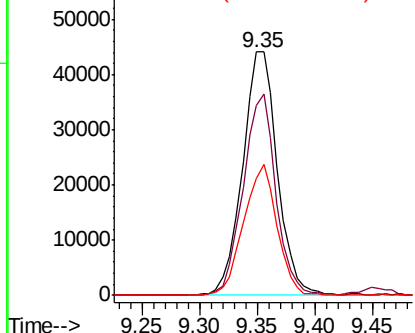
#39
Methvlcvclohexane
Concen: 18.584 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066151.D
Acq: 07 Aug 2020 12:12

Instrument :
MSVOA_D
ClientSampleId :
VD0807SBSD01

Tot Ion	83	Resp	92481
Ion	Ratio	Lower	Upper
83	100		
55	78.1	59.2	88.8
98	48.1	39.8	59.6

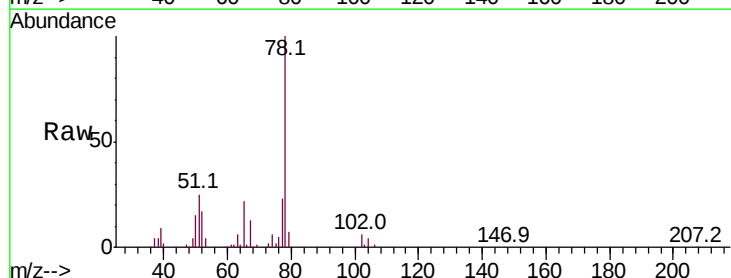


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

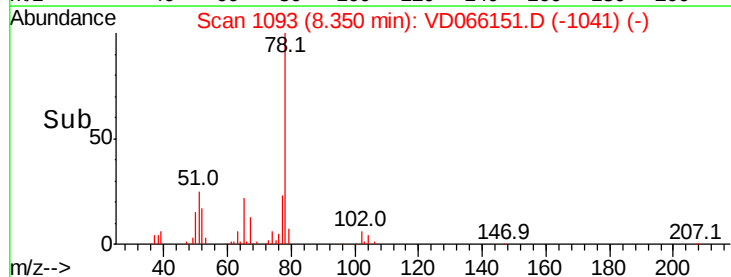
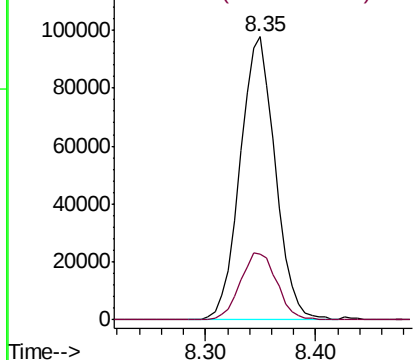


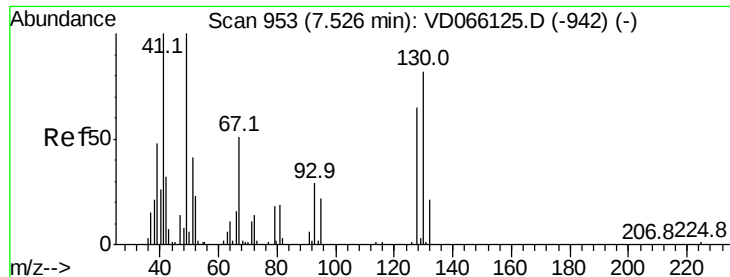
#40
Benzene
Concen: 19.150 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066151.D
Acq: 07 Aug 2020 12:12

Tgt Ion	78	Resp	218698
Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.6	27.8



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

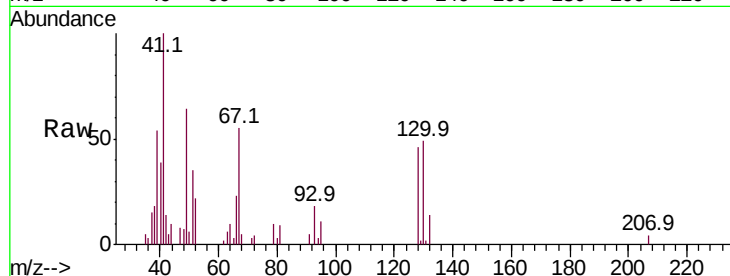




#41
Methacrylonitrile
Concen: 16.977 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD066151.D
Acq: 07 Aug 2020 12:12

Instrument :
MSVOA_D
ClientSampleId :
VD0807SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.1	47.5	71.3
67	73.7	59.1	88.7
52	32.2	25.4	38.0



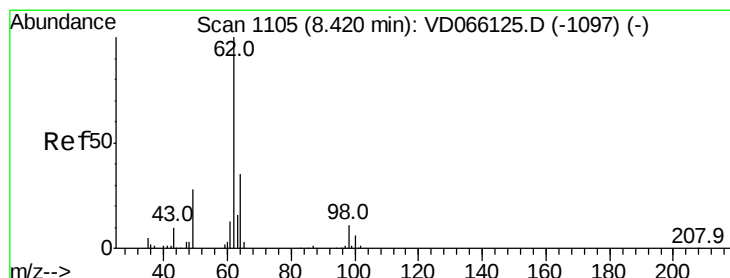
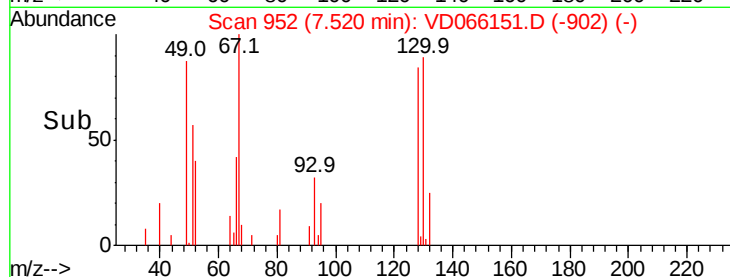
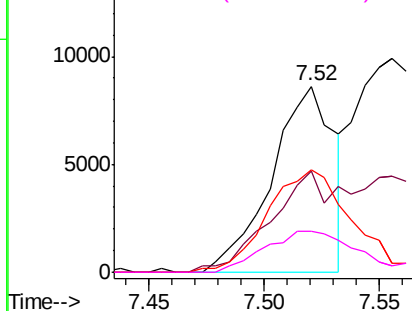
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

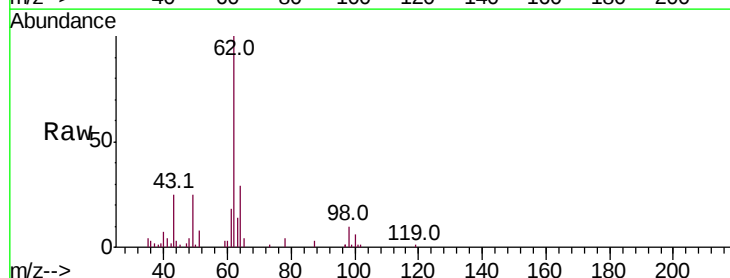
Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42
1,2-Dichloroethane
Concen: 19.006 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.01 min
Lab File: VD066151.D
Acq: 07 Aug 2020 12:12

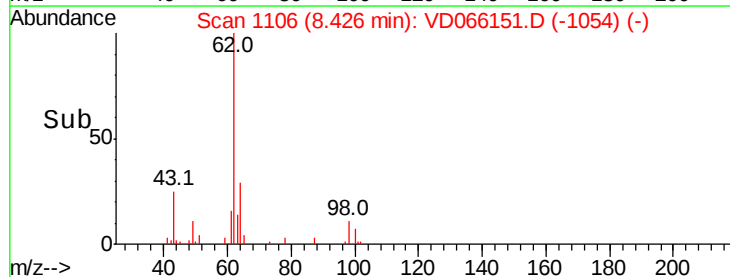
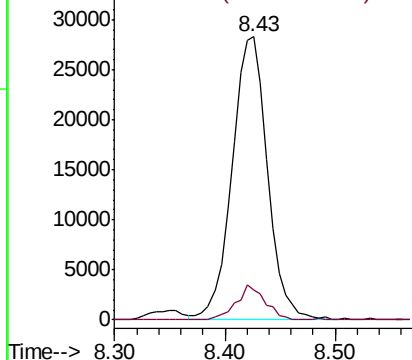
Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.4

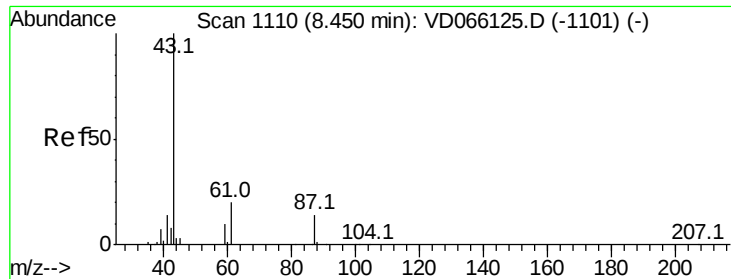


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 18.075 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBSD01

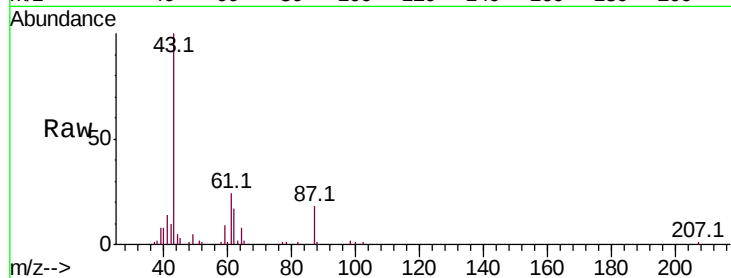
Tot Ion: 43 Resp: 58088

Ion Ratio Lower Upper

43 100

61 33.1 25.5 38.3

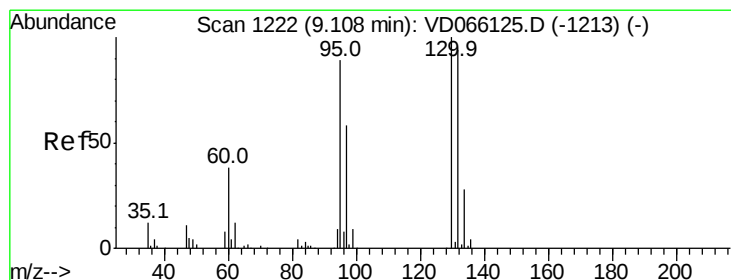
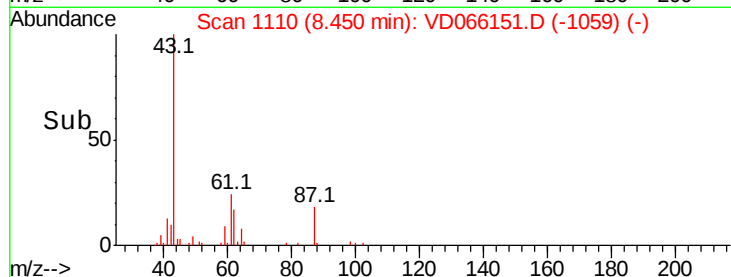
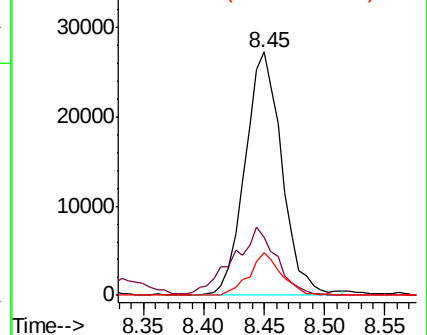
87 15.4 11.2 16.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 19.092 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD066151.D

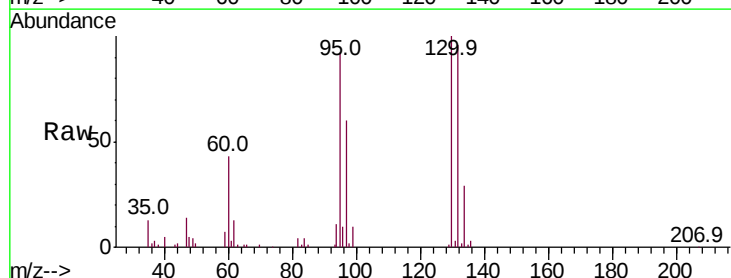
Acq: 07 Aug 2020 12:12

Tgt Ion:130 Resp: 65702

Ion Ratio Lower Upper

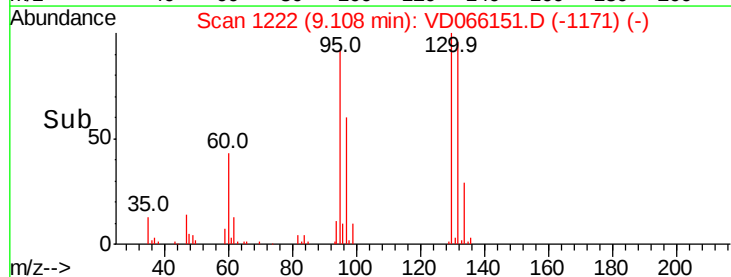
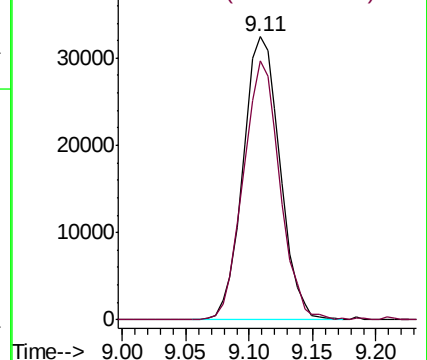
130 100

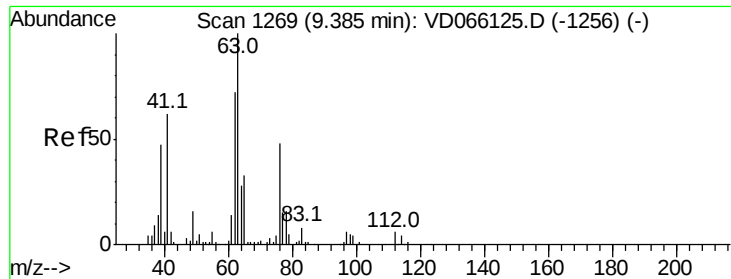
95 91.7 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.717 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

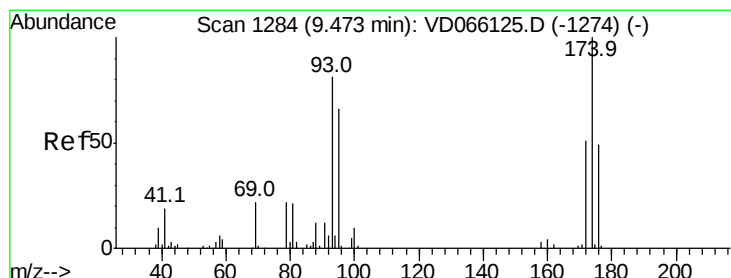
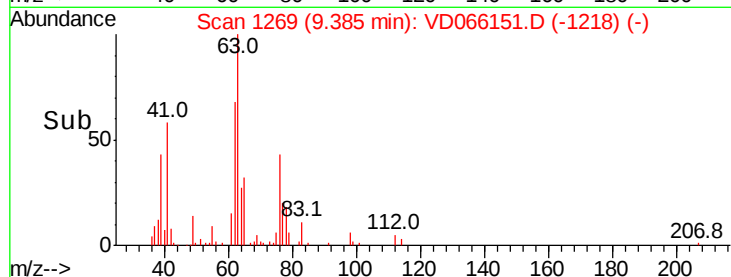
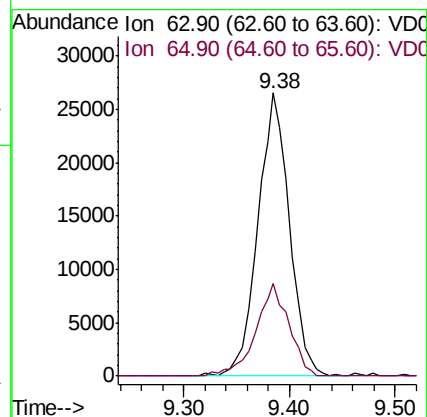
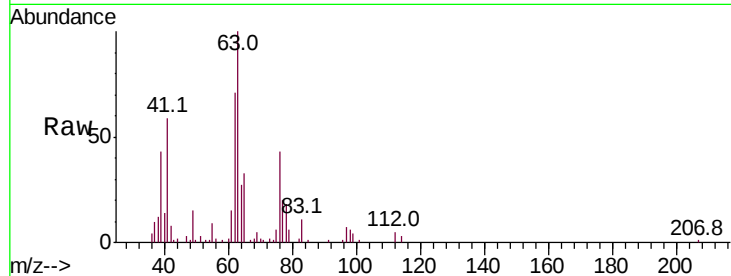
VD0807SBS01

Tot Ion: 63 Resp: 55071

Ion Ratio Lower Upper

63 100

65 32.8 26.5 39.7



#46

Dibromomethane

Concen: 18.540 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

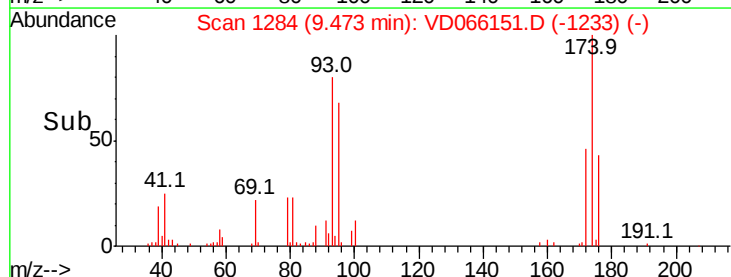
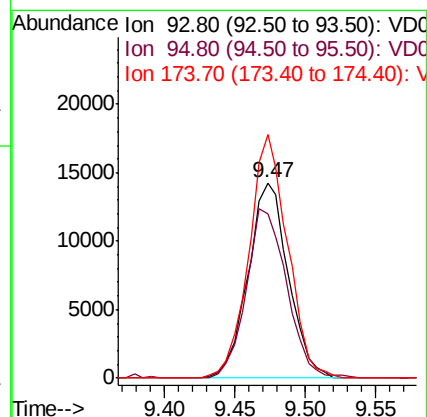
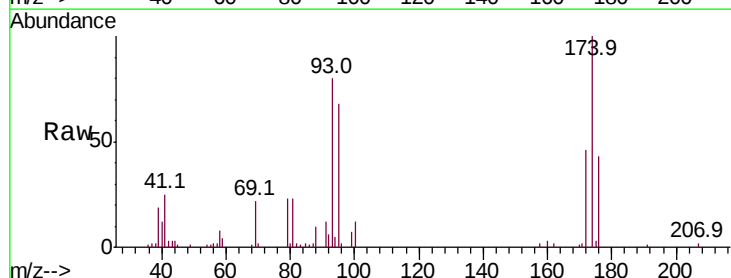
Tgt Ion: 93 Resp: 28524

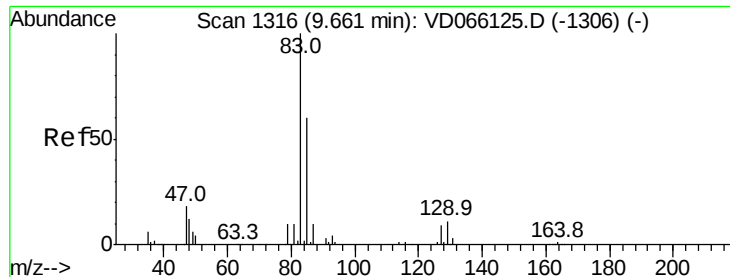
Ion Ratio Lower Upper

93 100

95 87.0 65.8 98.6

174 119.3 92.8 139.2





#47

Bromodichloromethane

Concen: 18.991 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBS01

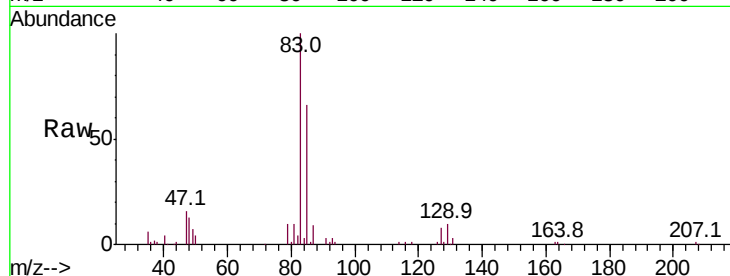
Tot Ion: 83 Resp: 77223

Ion Ratio Lower Upper

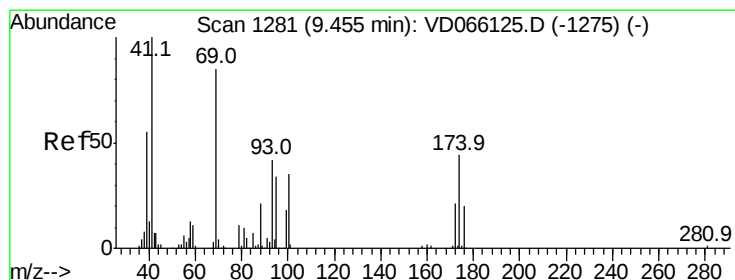
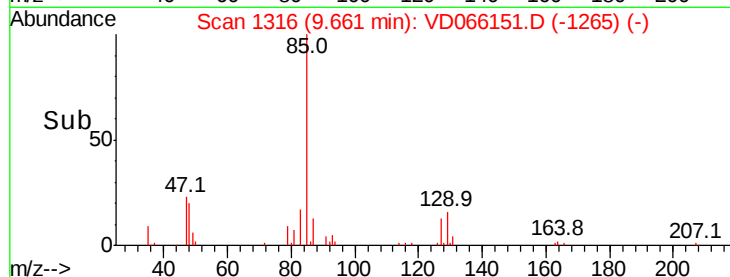
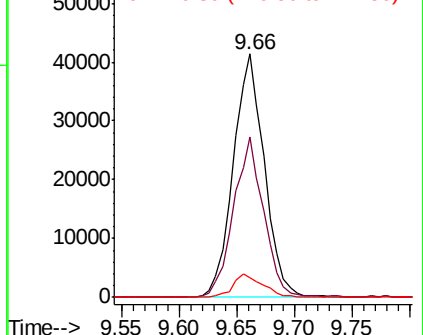
83 100

85 65.9 48.2 72.4

127 8.2 7.3 10.9



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



#48

Methyl methacrylate

Concen: 18.005 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

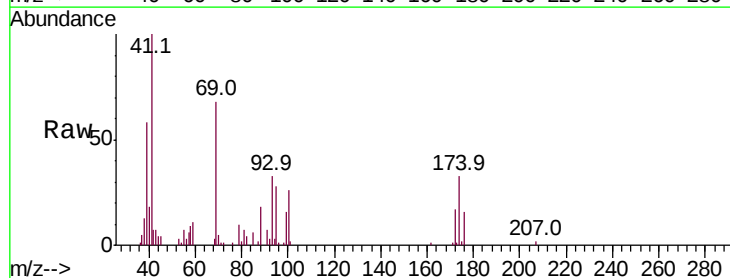
Tgt Ion: 41 Resp: 29546

Ion Ratio Lower Upper

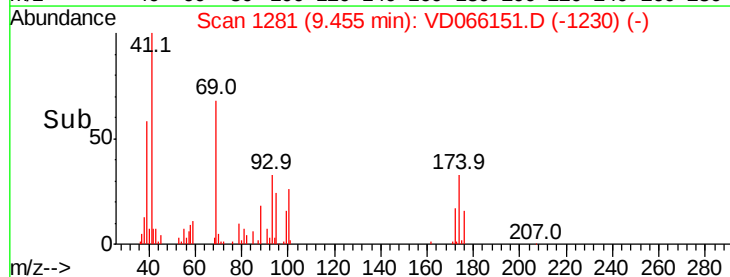
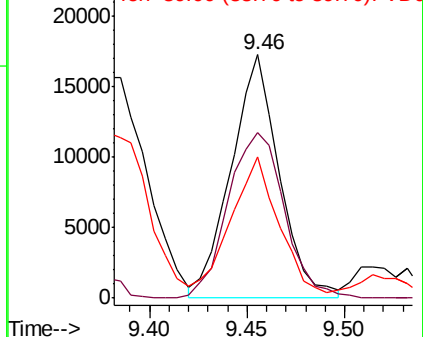
41 100

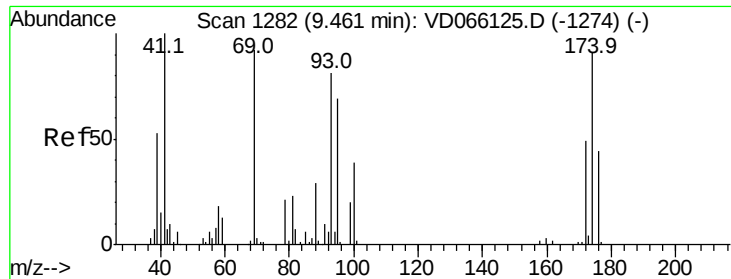
69 79.6 63.9 95.9

39 54.1 42.6 64.0



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: 328.446 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBSD01

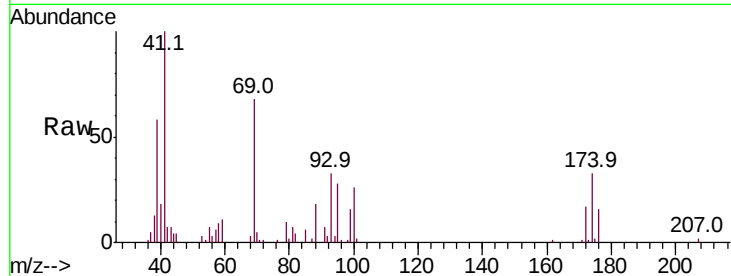
Tot Ion: 88 Resp: 6492

Ion Ratio Lower Upper

88 100

43 39.0 27.5 41.3

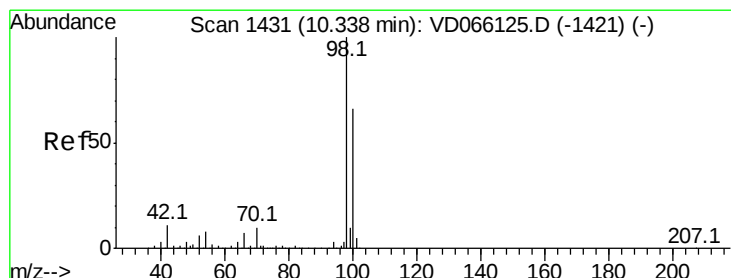
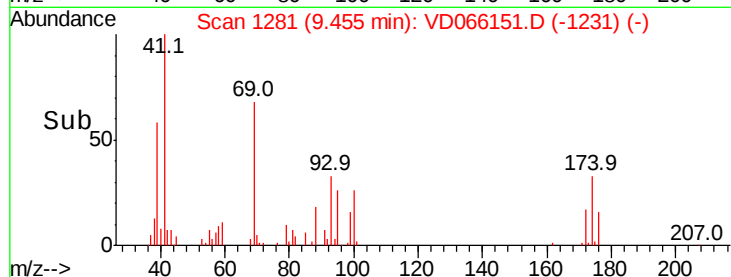
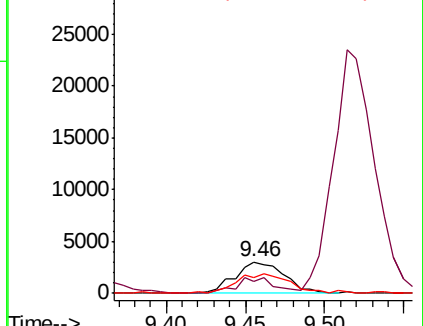
58 67.0 50.2 75.4



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: 55.684 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066151.D

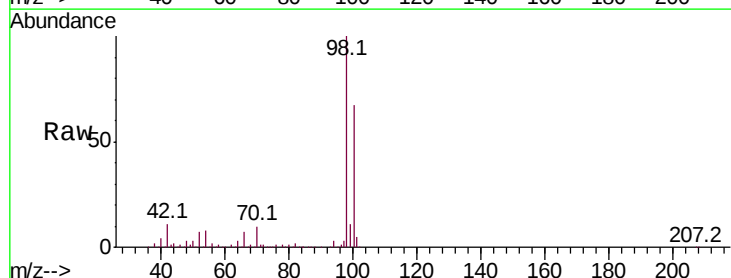
Acq: 07 Aug 2020 12:12

Tgt Ion: 98 Resp: 570286

Ion Ratio Lower Upper

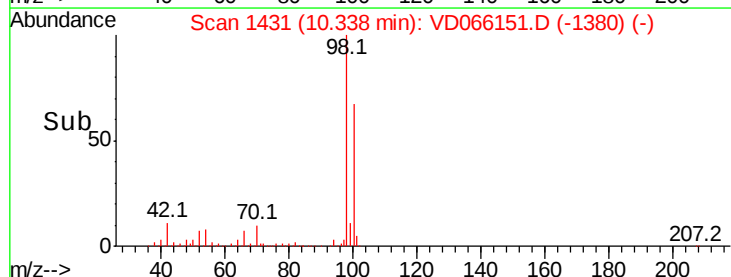
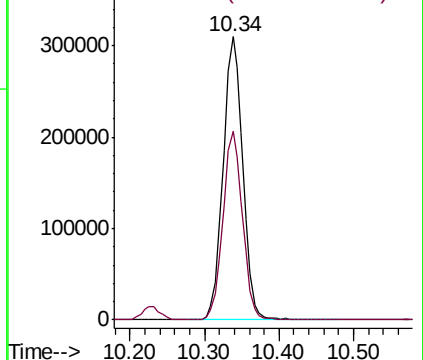
98 100

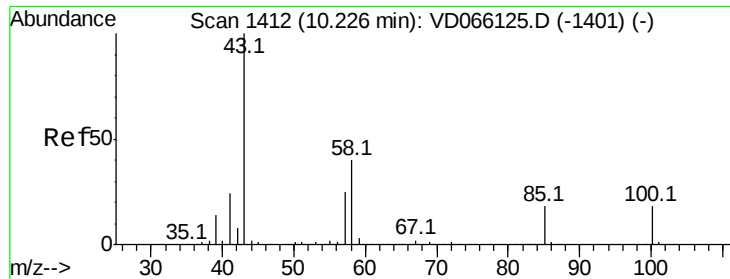
100 66.1 52.6 78.8



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: 89.004 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

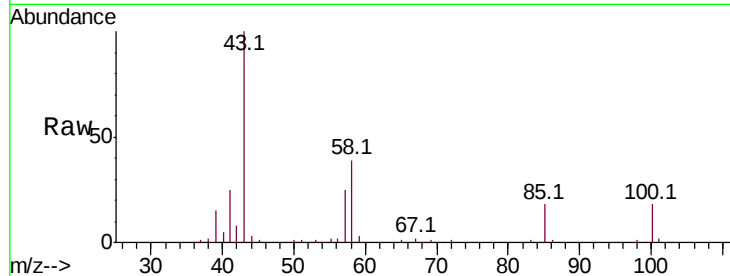
VD0807SBS01

Tot Ion: 43 Resp: 146926

Ion Ratio Lower Upper

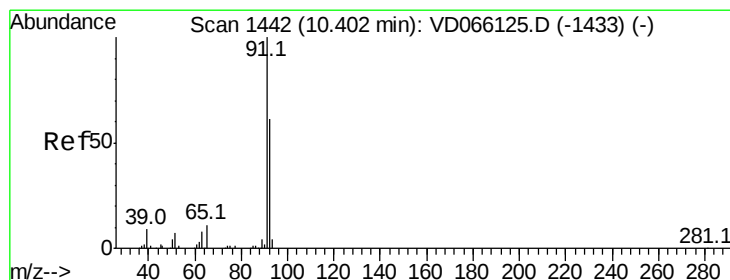
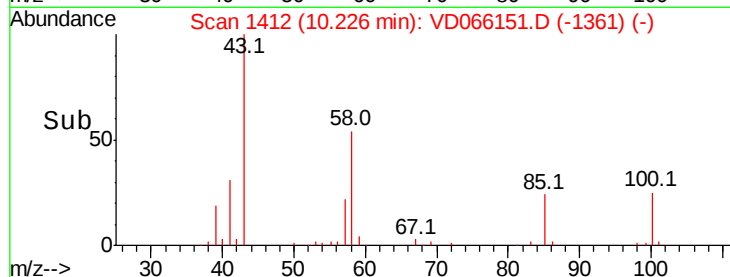
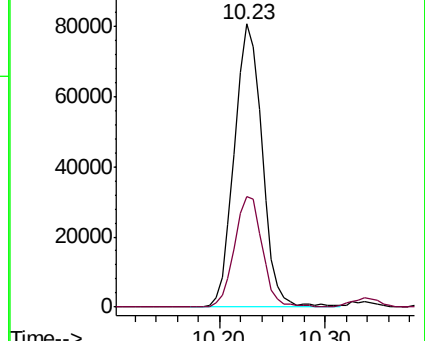
43 100

58 39.0 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.132 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066151.D

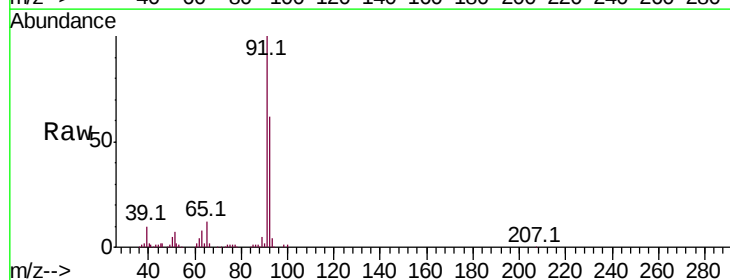
Acq: 07 Aug 2020 12:12

Tgt Ion: 92 Resp: 151286

Ion Ratio Lower Upper

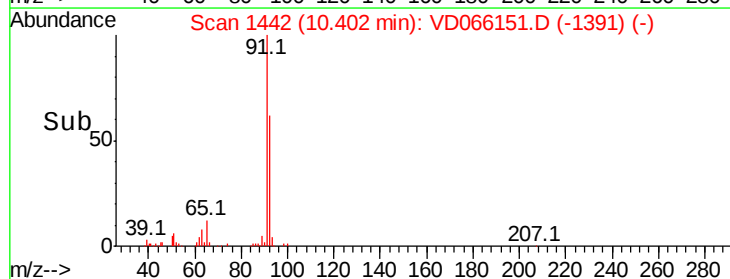
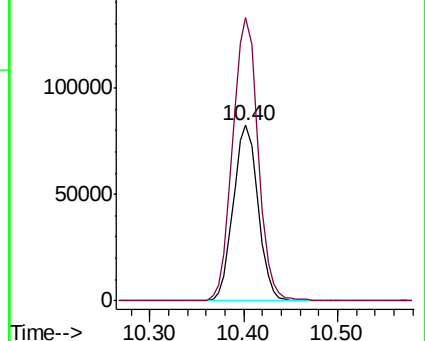
92 100

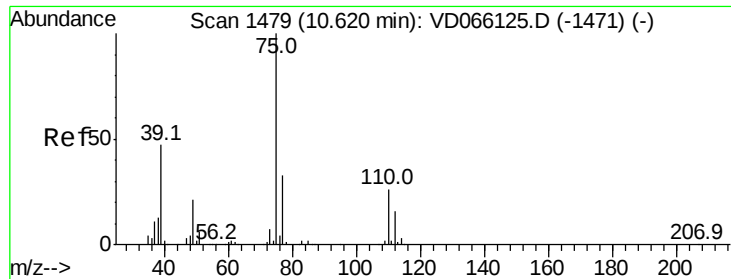
91 164.5 135.2 202.8



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: 18.725 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

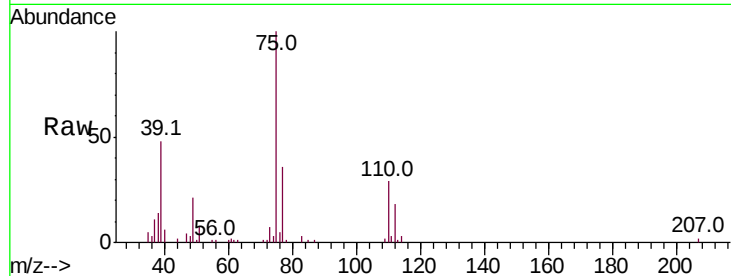
VD0807SBSD01

Tot Ion: 75 Resp: 72258

Ion Ratio Lower Upper

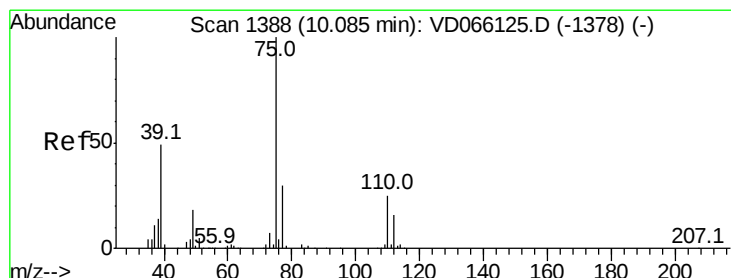
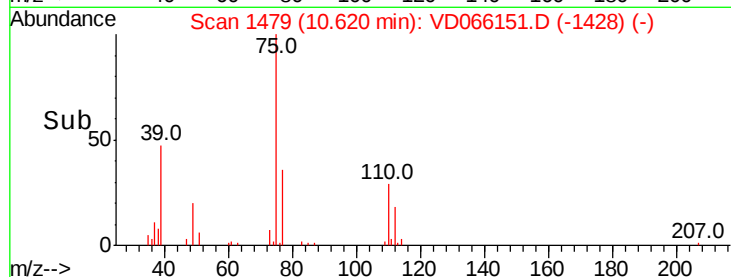
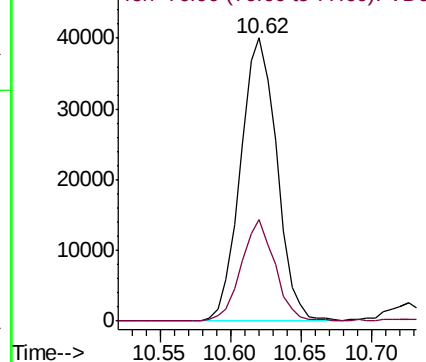
75 100

77 35.8 26.2 39.2



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: 19.347 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.01 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

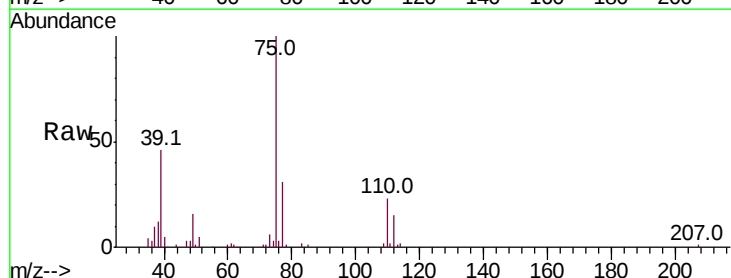
Tgt Ion: 75 Resp: 87473

Ion Ratio Lower Upper

75 100

77 31.0 24.3 36.5

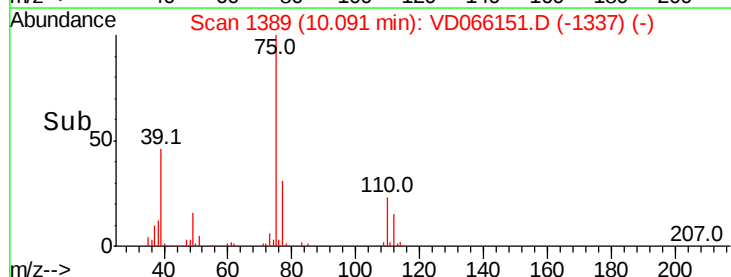
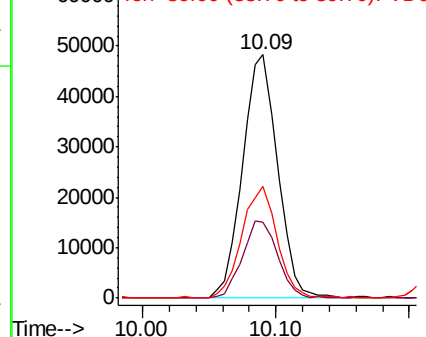
39 45.7 39.3 58.9

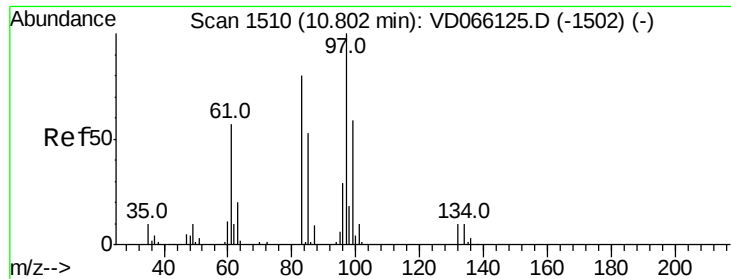


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

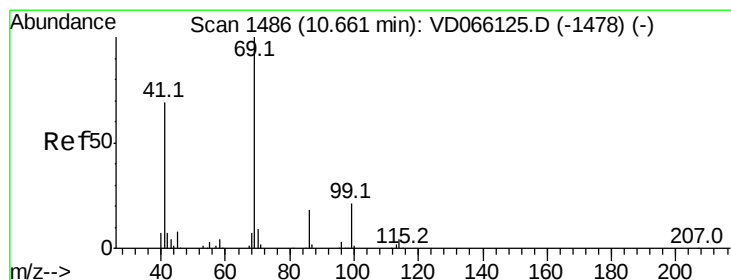
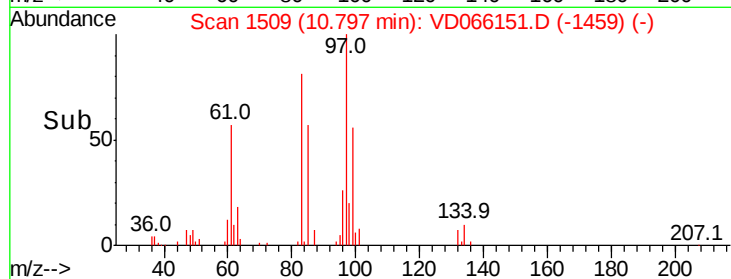
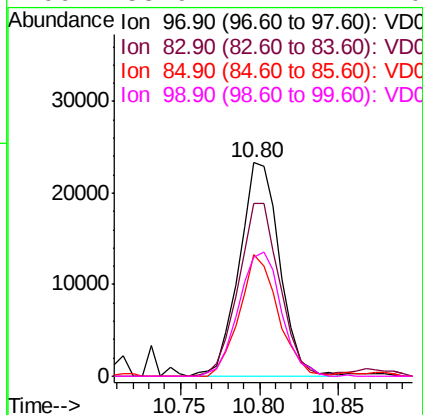
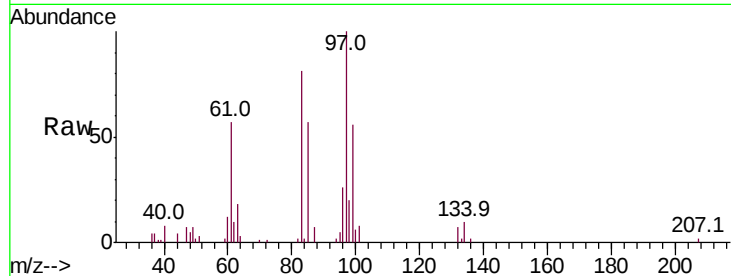




#55
 1,1,2-Trichloroethane
 Concen: 18.691 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066151.D
 Acq: 07 Aug 2020 12:12

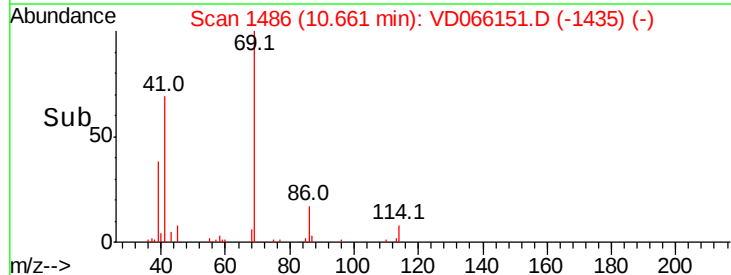
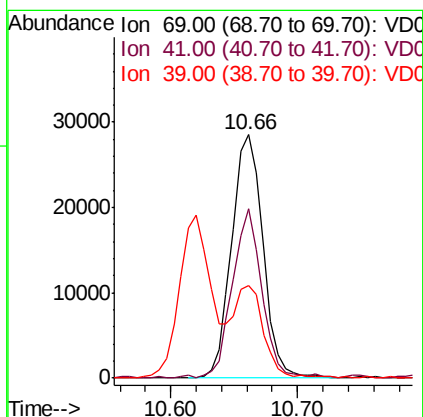
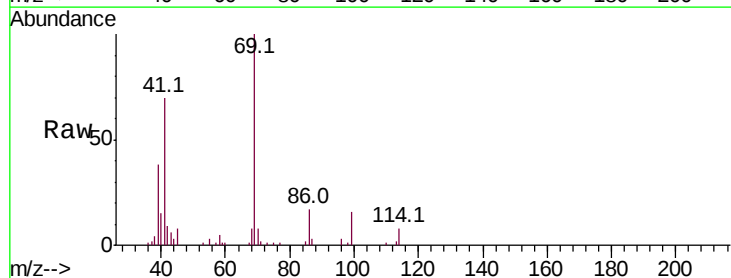
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBSD01

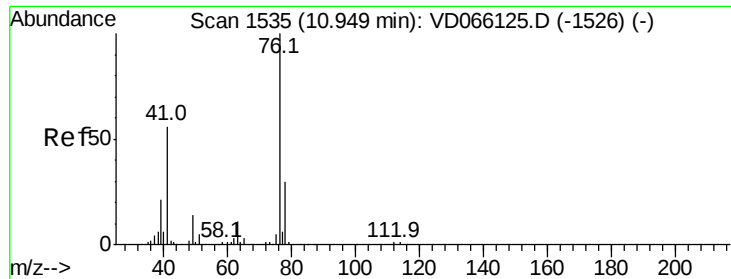
Tot Ion:	97	Resp:	41408
Ion	Ratio	Lower	Upper
97	100		
83	80.9	63.9	95.9
85	57.2	42.5	63.7
99	55.9	47.4	71.0



#56
 Ethyl methacrylate
 Concen: 18.372 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD066151.D
 Acq: 07 Aug 2020 12:12

Tgt Ion:	69	Resp:	48892
Ion	Ratio	Lower	Upper
69	100		
41	65.4	54.1	81.1
39	35.8	28.6	43.0





#57

1,3-Dichloropropane

Concen: 18.801 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

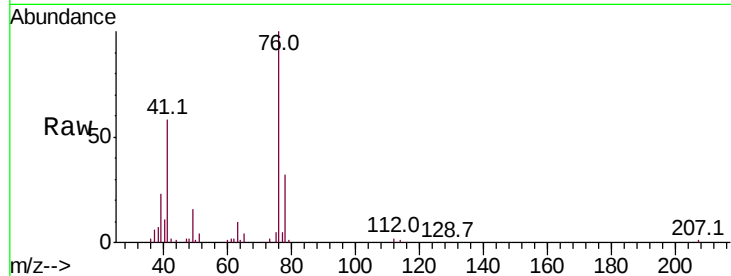
VD0807SBS01

Tot Ion: 76 Resp: 69147

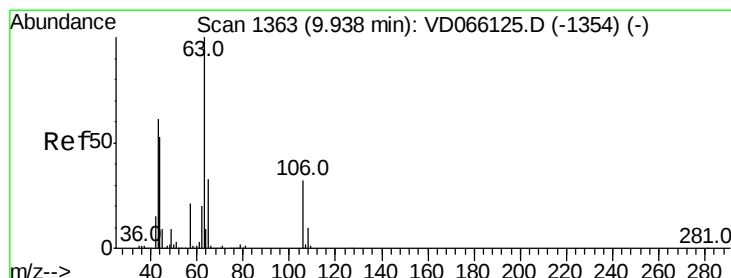
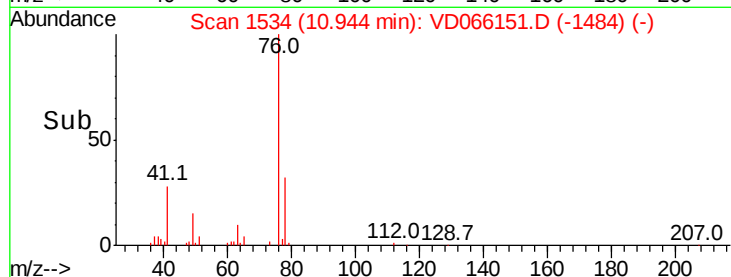
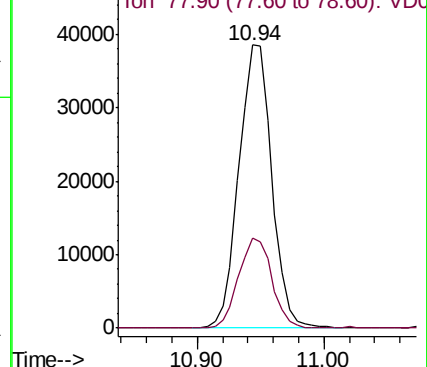
Ion Ratio Lower Upper

76 100

78 32.2 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 103.621 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066151.D

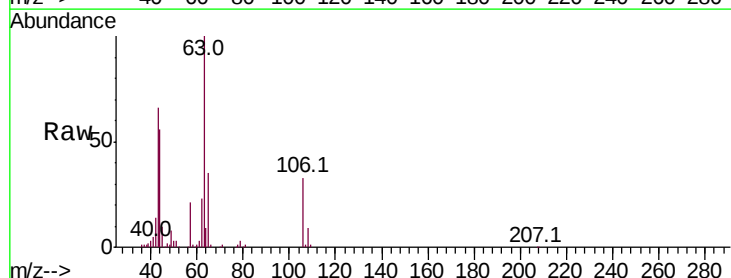
Acq: 07 Aug 2020 12:12

Tgt Ion: 63 Resp: 124043

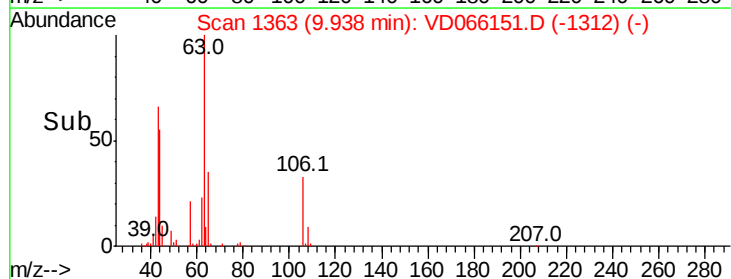
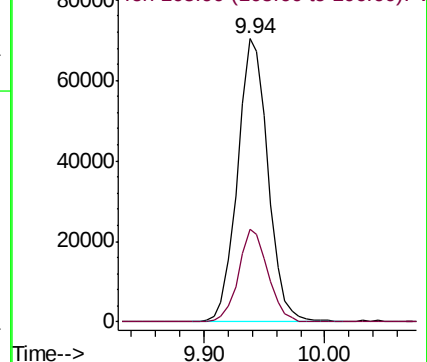
Ion Ratio Lower Upper

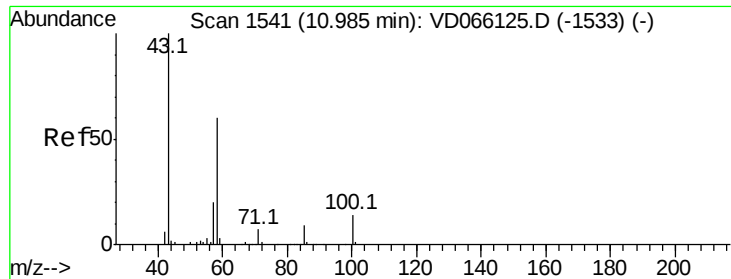
63 100

106 31.5 25.3 37.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

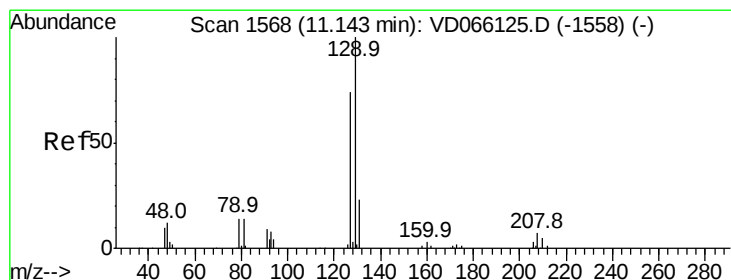
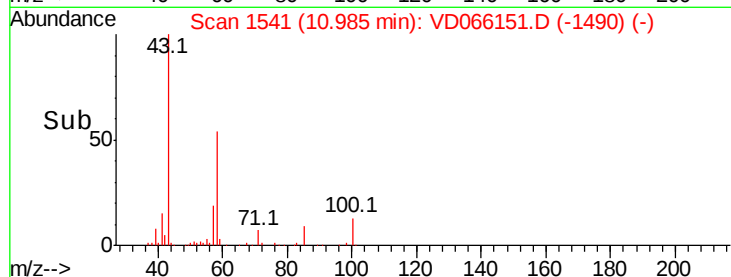
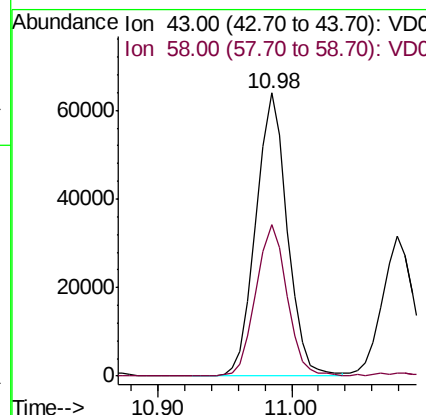
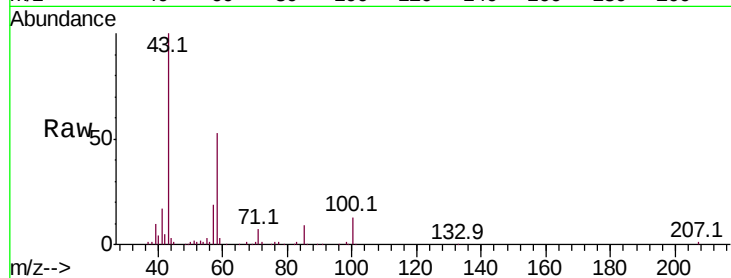




#59
2-Hexanone
Concen: 89.636 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066151.D
Acq: 07 Aug 2020 12:12

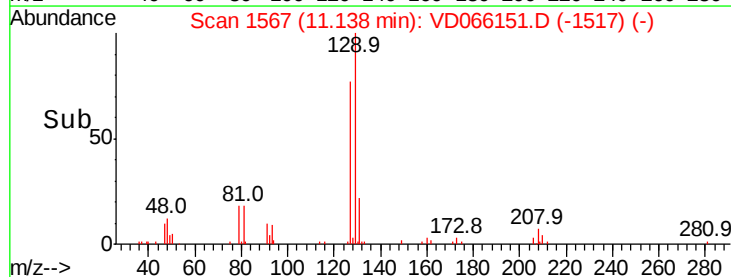
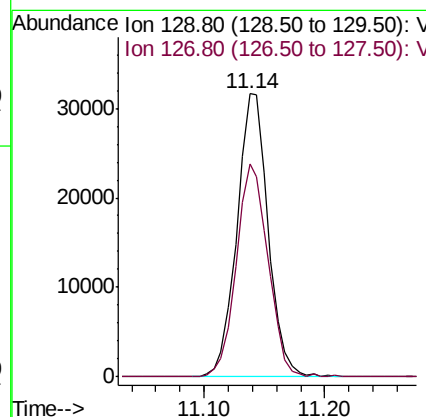
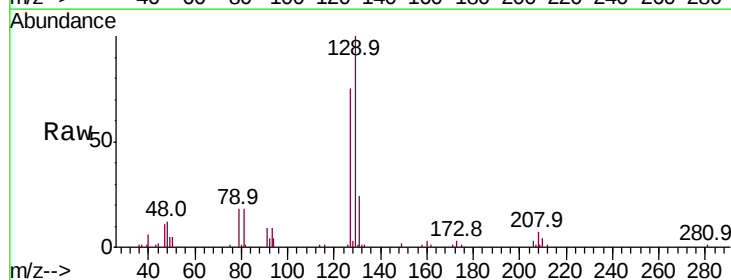
Instrument :
MSVOA_D
ClientSampleId :
VD0807SBSD01

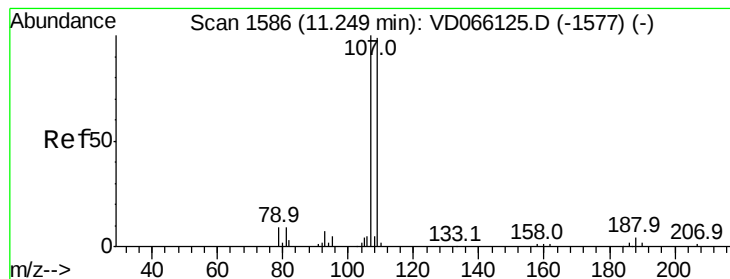
Tot Ion: 43 Resp: 103847
Ion Ratio Lower Upper
43 100
58 53.2 27.8 83.4



#60
Dibromochloromethane
Concen: 18.630 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066151.D
Acq: 07 Aug 2020 12:12

Tgt Ion: 129 Resp: 56978
Ion Ratio Lower Upper
129 100
127 76.3 38.0 114.1





#61

1,2-Dibromoethane

Concen: 18.432 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

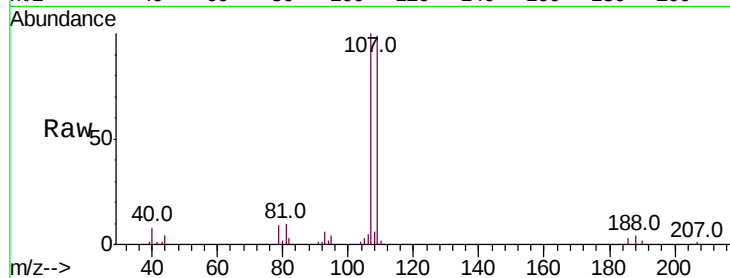
VD0807SBSD01

Tot Ion:107 Resp: 39270

Ion Ratio Lower Upper

107 100

109 95.4 76.5 114.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

25000

20000

15000

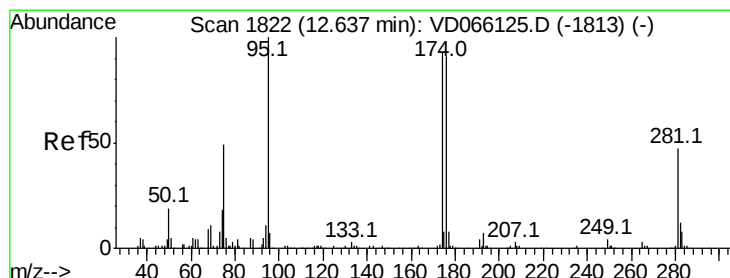
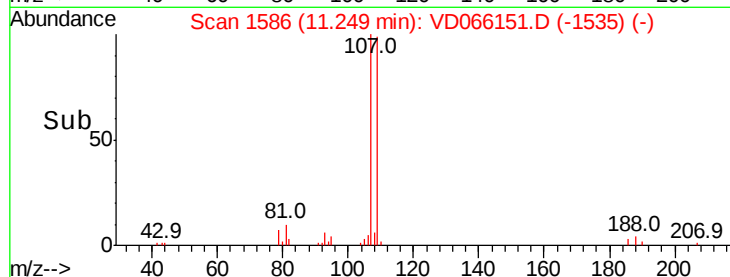
10000

5000

0

Time-->

11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 53.351 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

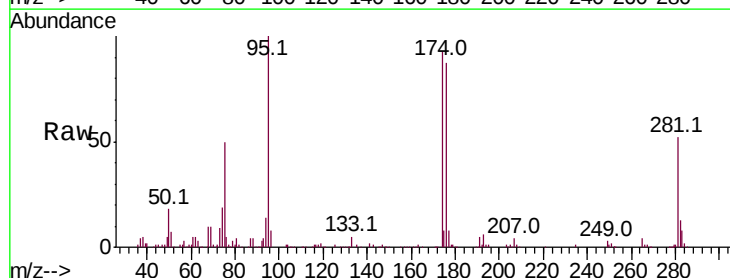
Tgt Ion: 95 Resp: 196953

Ion Ratio Lower Upper

95 100

174 90.1 0.0 180.8

176 86.8 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

150000

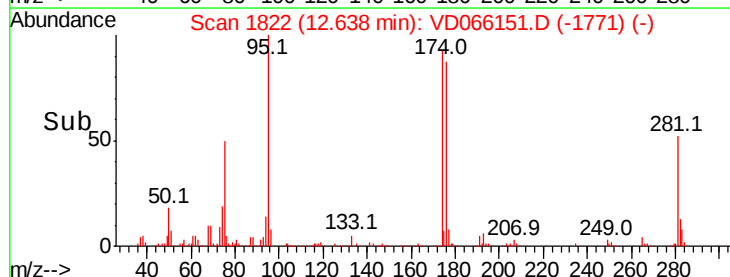
100000

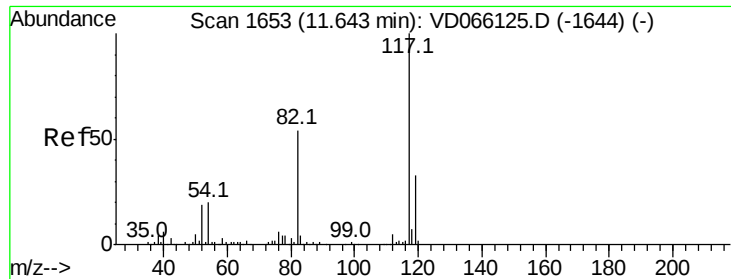
50000

0

Time-->

12.55 12.60 12.64 12.70

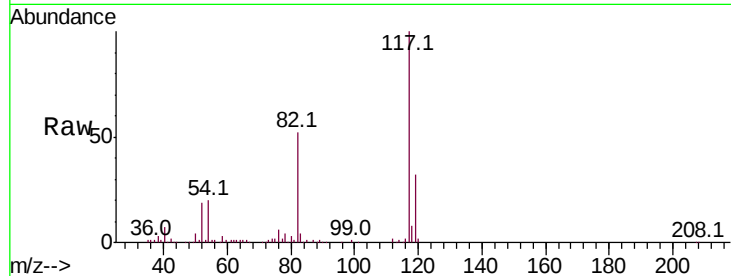




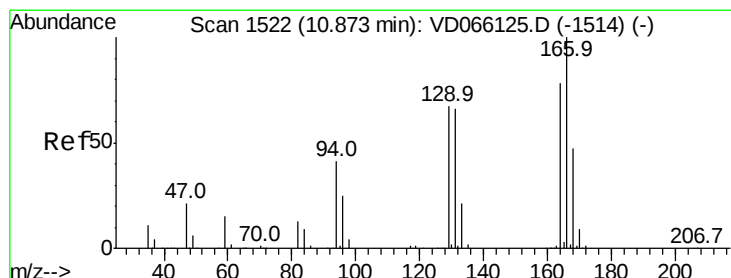
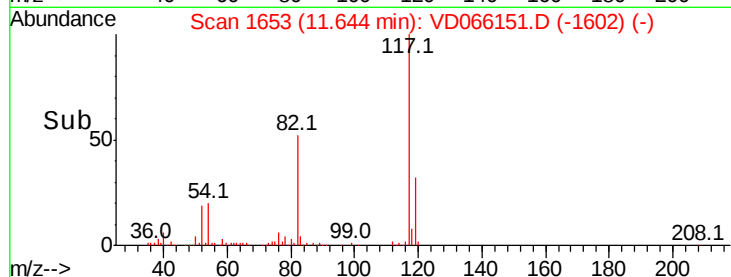
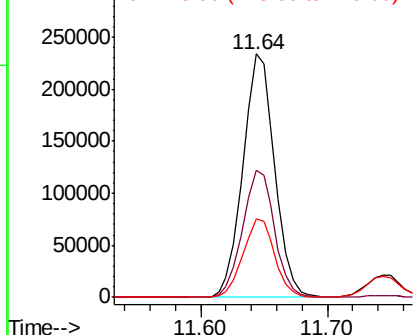
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066151.D
Acq: 07 Aug 2020 12:12

Instrument :
MSVOA_D
ClientSampleId :
VD0807SBSD01

Tot Ion:117 Resp: 405512
Ion Ratio Lower Upper
117 100
82 52.4 43.0 64.4
119 32.3 26.1 39.1

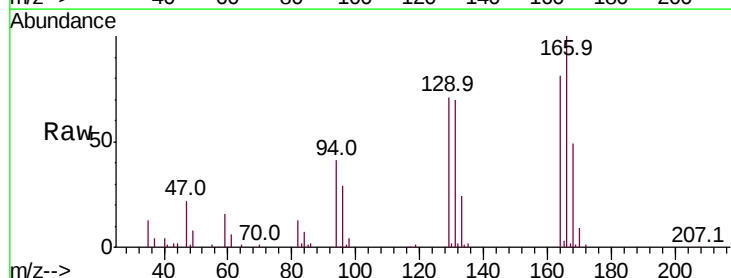


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

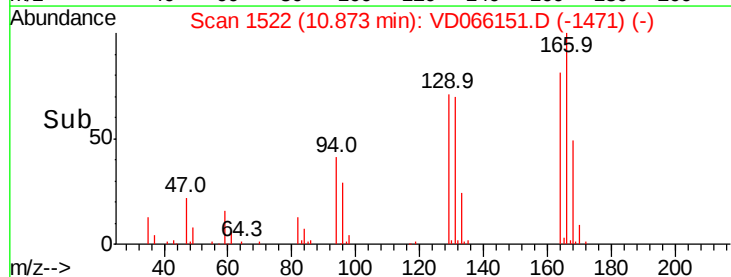
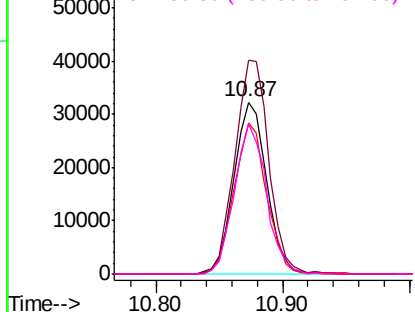


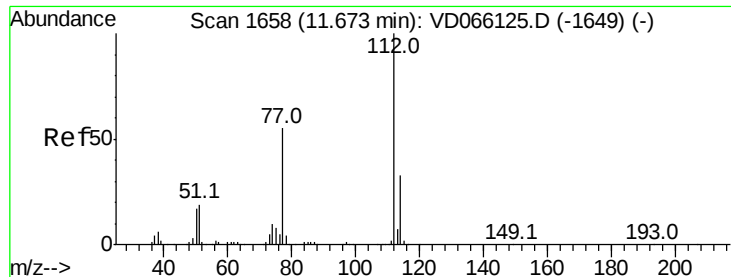
#64
Tetrachloroethene
Concen: 18.515 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066151.D
Acq: 07 Aug 2020 12:12

Tgt Ion:164 Resp: 57654
Ion Ratio Lower Upper
164 100
166 124.2 101.9 152.9
129 87.7 68.1 102.1
131 87.2 67.6 101.4



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





#65

Chlorobenzene

Concen: 19.043 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

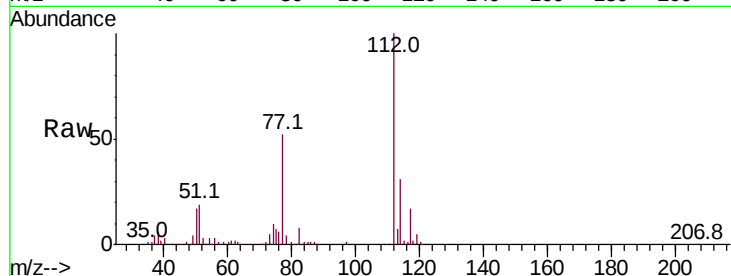
VD0807SBSD01

Tot Ion:112 Resp: 156759

Ion Ratio Lower Upper

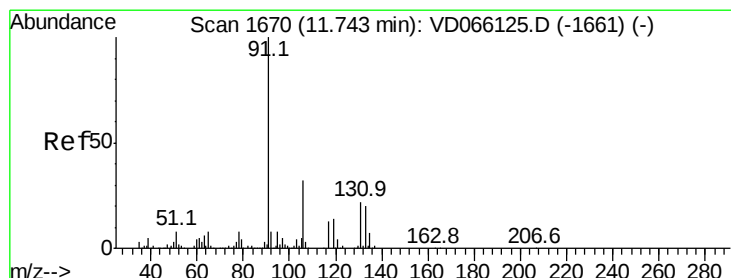
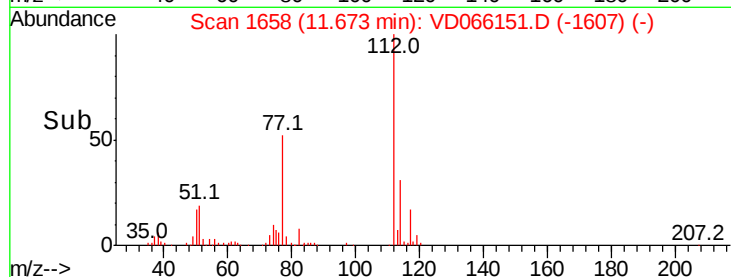
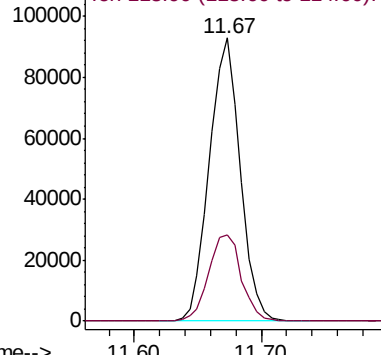
112 100

114 30.5 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.501 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

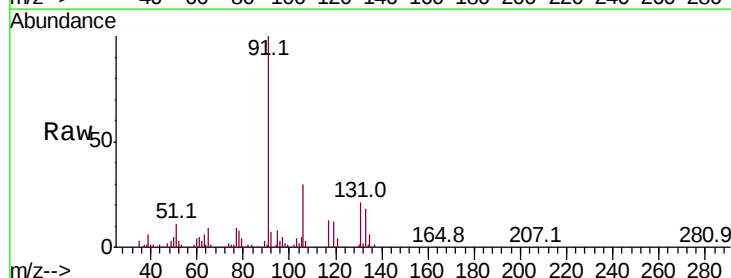
Tgt Ion:131 Resp: 59591

Ion Ratio Lower Upper

131 100

133 96.1 47.1 141.4

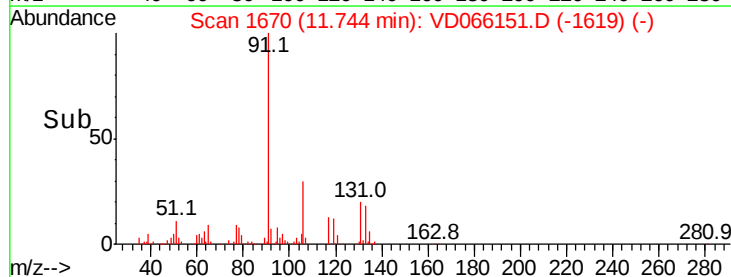
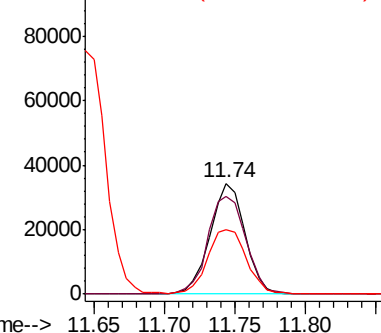
119 64.8 31.6 94.7

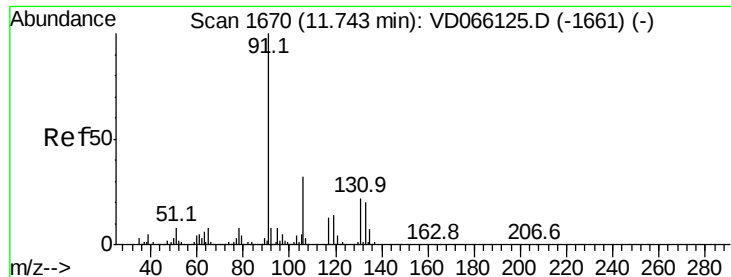


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.276 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

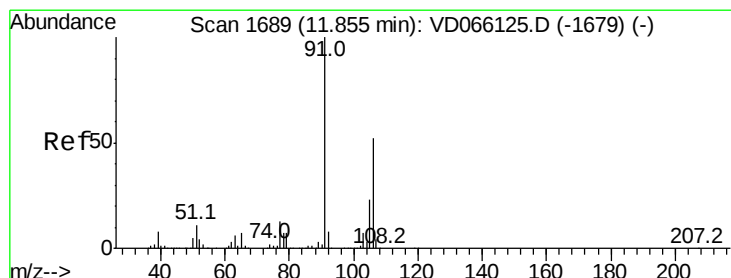
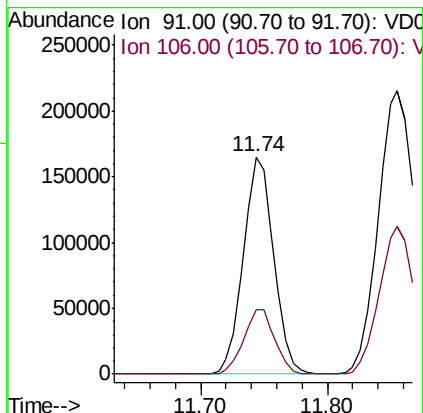
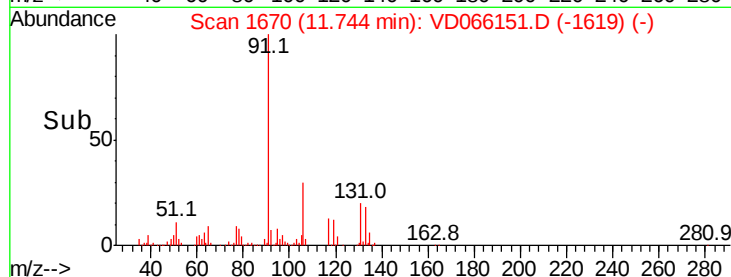
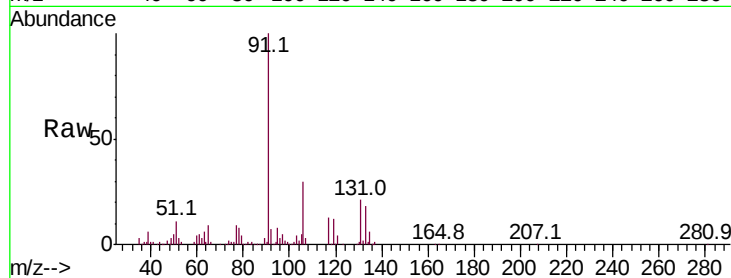
VD0807SBS01

Tot Ion: 91 Resp: 274985

Ion Ratio Lower Upper

91 100

106 29.6 25.7 38.5



#68

m/p-Xylenes

Concen: 39.151 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD066151.D

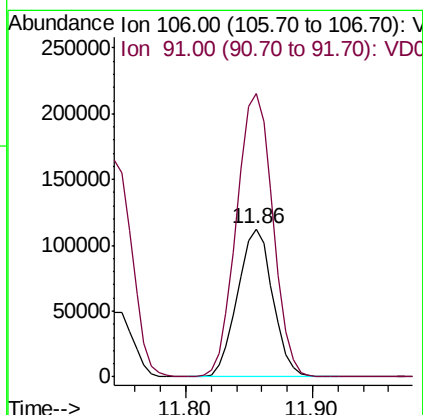
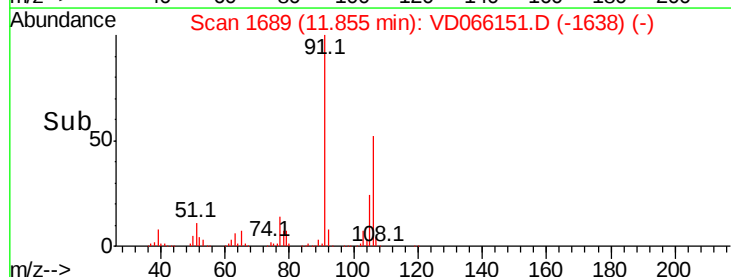
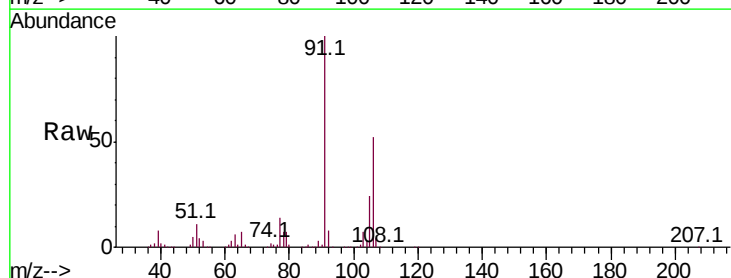
Acq: 07 Aug 2020 12:12

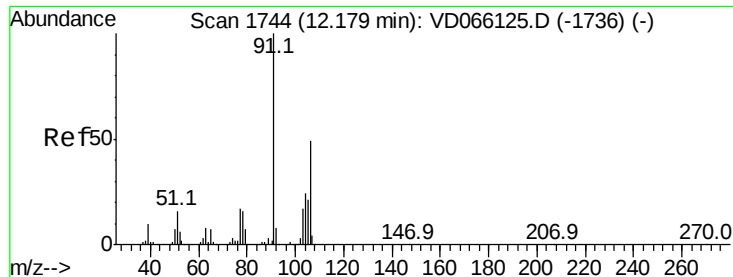
Tgt Ion: 106 Resp: 216386

Ion Ratio Lower Upper

106 100

91 197.8 156.6 235.0

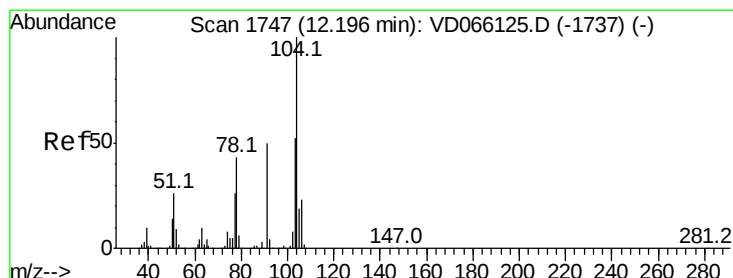
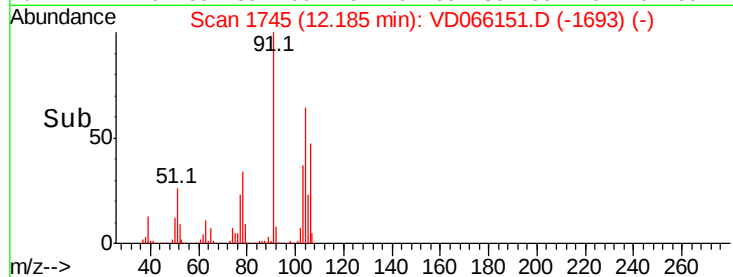
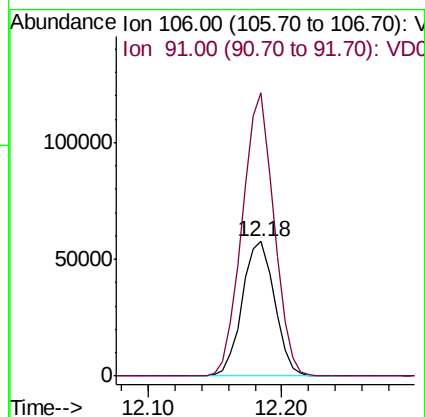
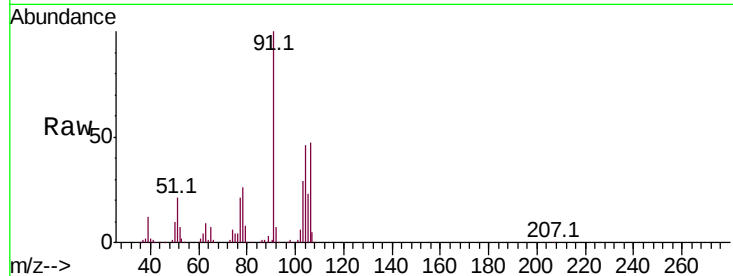




#69
o-Xylene
Concen: 19.286 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD066151.D
Acq: 07 Aug 2020 12:12

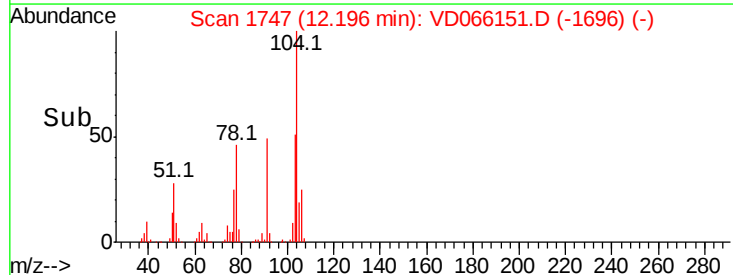
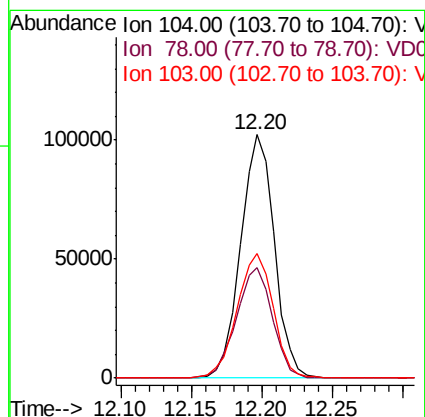
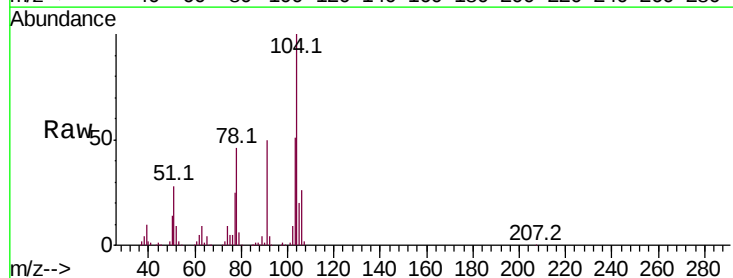
Instrument :
MSVOA_D
ClientSampleId :
VD0807SBSD01

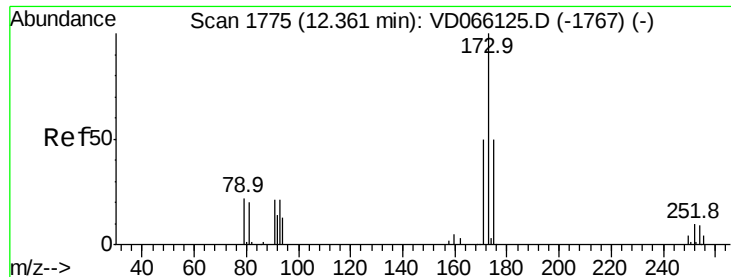
Tot Ion:106 Resp: 96967
Ion Ratio Lower Upper
106 100
91 205.7 105.7 317.1



#70
Styrene
Concen: 19.387 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066151.D
Acq: 07 Aug 2020 12:12

Tgt Ion:104 Resp: 170825
Ion Ratio Lower Upper
104 100
78 48.6 38.6 58.0
103 54.9 44.1 66.1

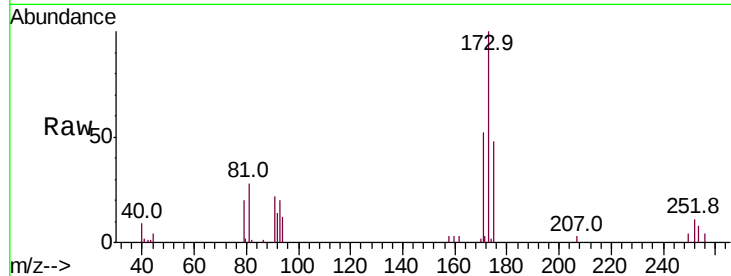




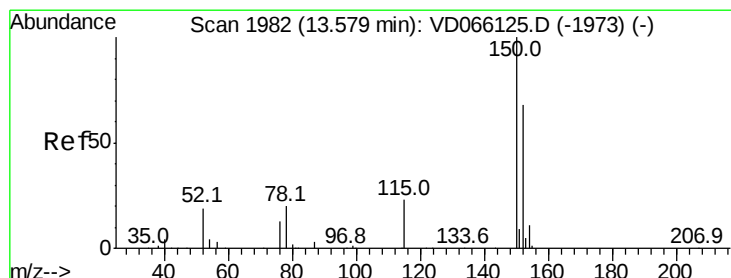
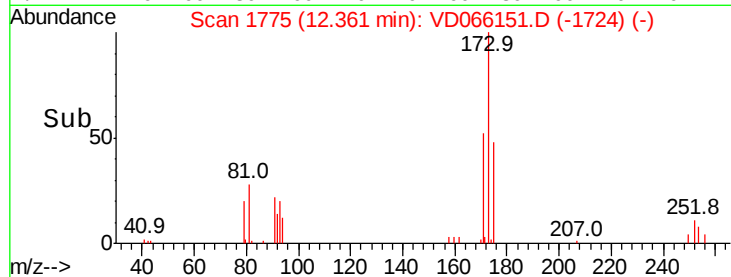
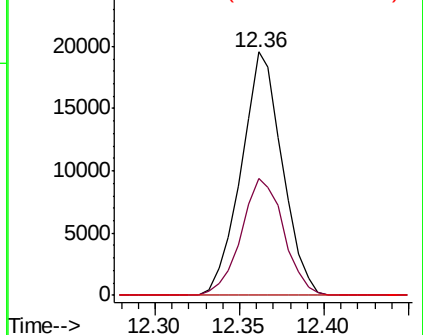
#71
Bromoform
Concen: 17.293 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066151.D
Acq: 07 Aug 2020 12:12

Instrument :
MSVOA_D
ClientSampleId :
VD0807SBSD01

Tot Ion:173 Resp: 33001
Ion Ratio Lower Upper
173 100
175 49.5 24.6 73.6
254 0.0 0.2 0.2#

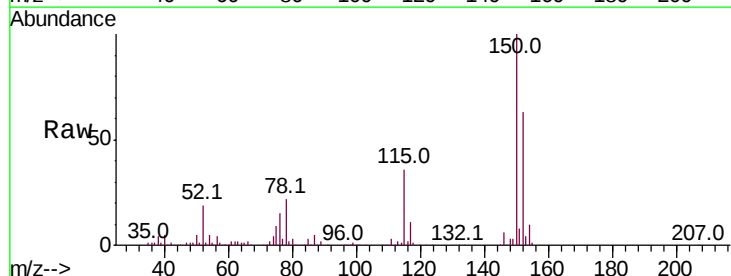


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

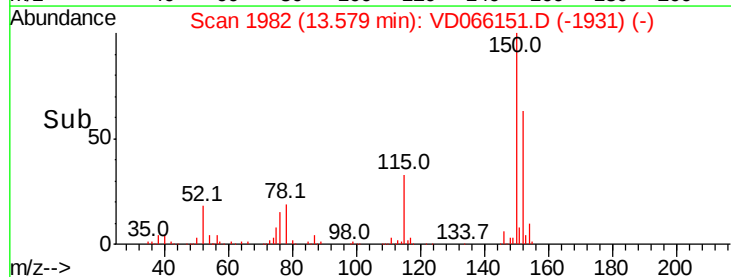
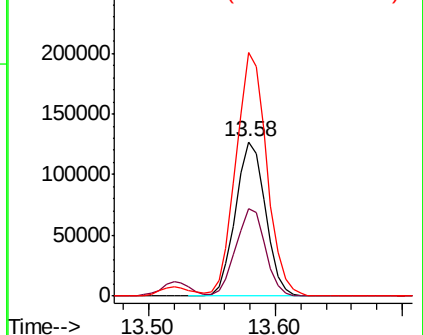


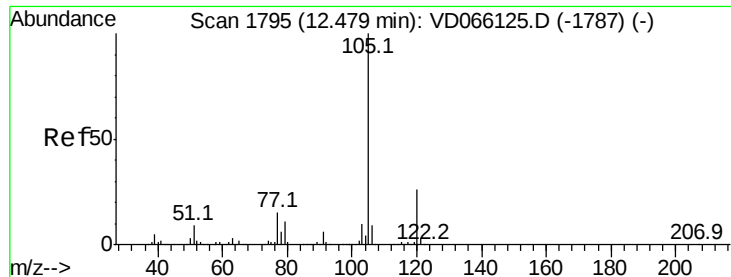
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066151.D
Acq: 07 Aug 2020 12:12

Tgt Ion:152 Resp: 207107
Ion Ratio Lower Upper
152 100
115 55.9 28.0 83.9
150 163.3 0.0 346.4



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





#73

Isopropylbenzene

Concen: 19.305 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

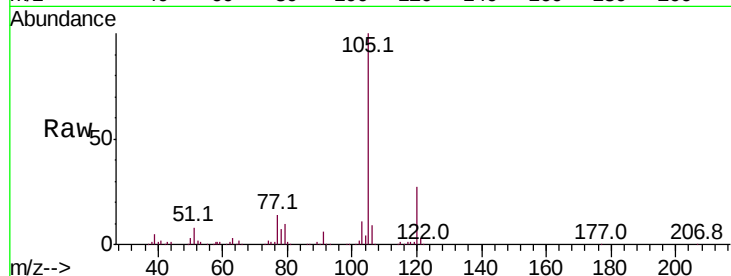
VD0807SBSD01

Tot Ion:105 Resp: 266892

Ion Ratio Lower Upper

105 100

120 27.3 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

150000

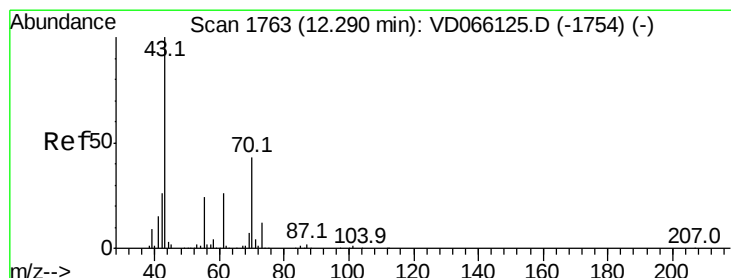
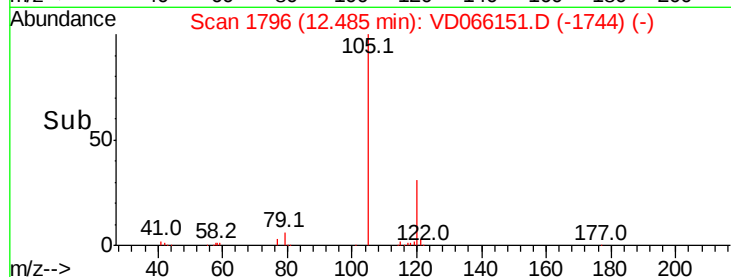
100000

50000

0

Time-->

12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 18.129 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

Tgt Ion: 43 Resp: 55190

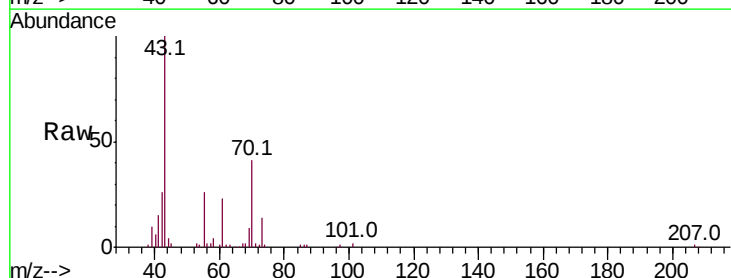
Ion Ratio Lower Upper

43 100

70 43.4 34.9 52.3

55 25.6 19.2 28.8

61 23.5 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

60000

50000

40000

30000

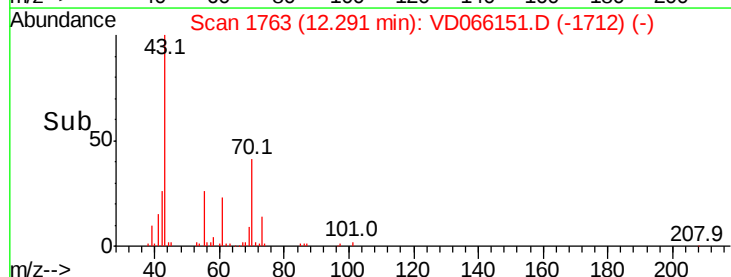
20000

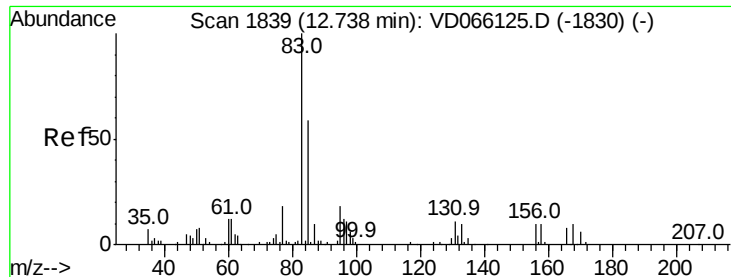
10000

0

Time-->

12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 18.133 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBSD01

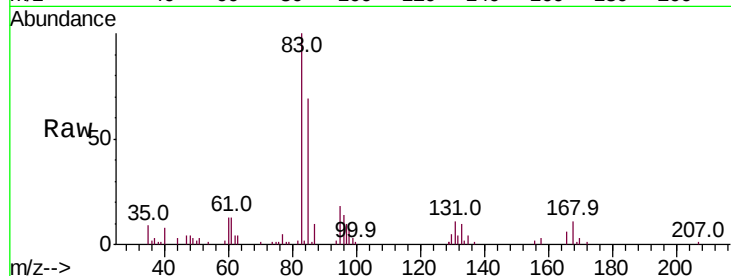
Tot Ion: 83 Resp: 42747

Ion Ratio Lower Upper

83 100

131 11.4 6.2 18.6

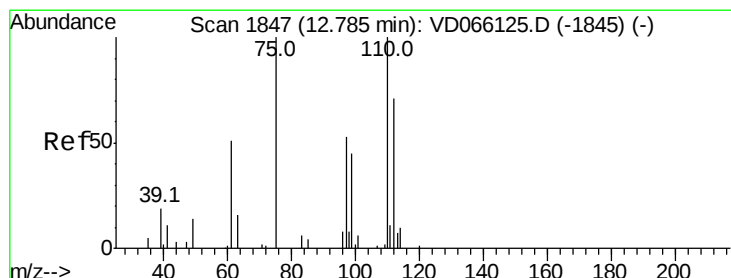
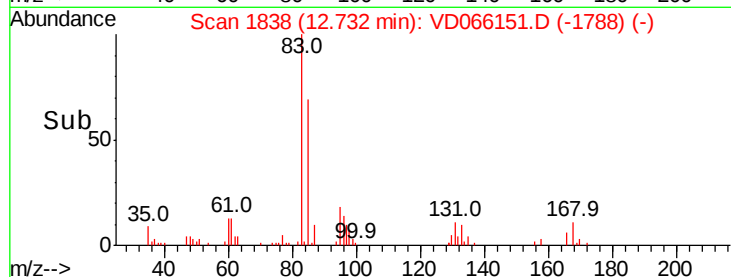
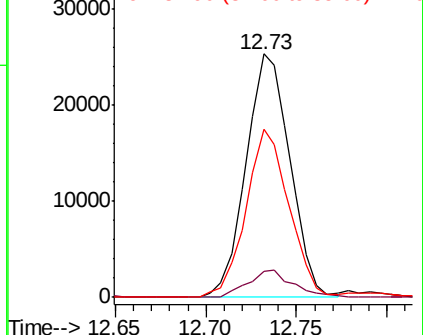
85 67.3 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 33.468 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD066151.D

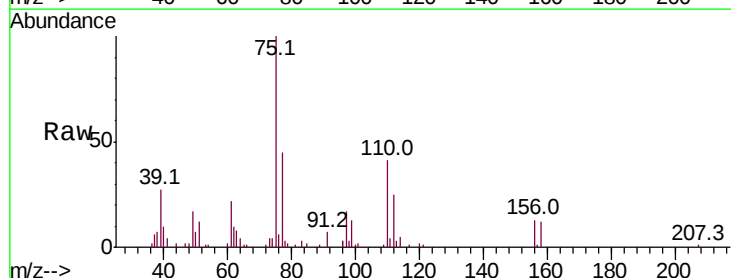
Acq: 07 Aug 2020 12:12

Tgt Ion: 75 Resp: 57803

Ion Ratio Lower Upper

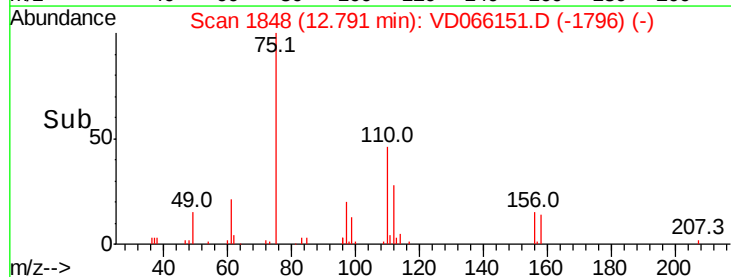
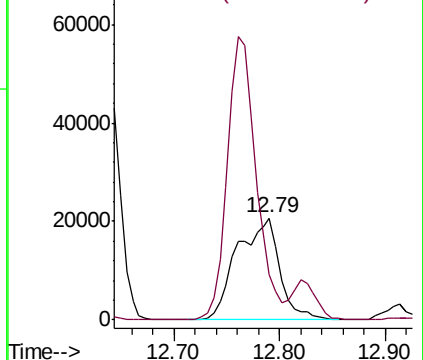
75 100

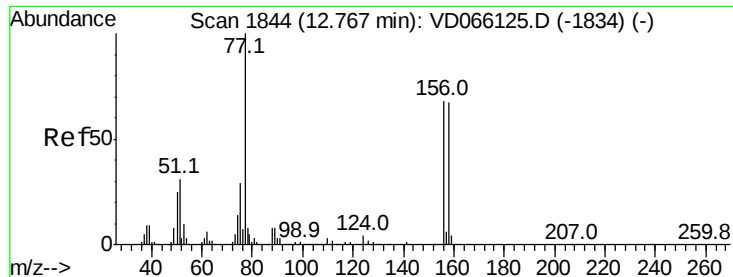
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 19.184 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBSD01

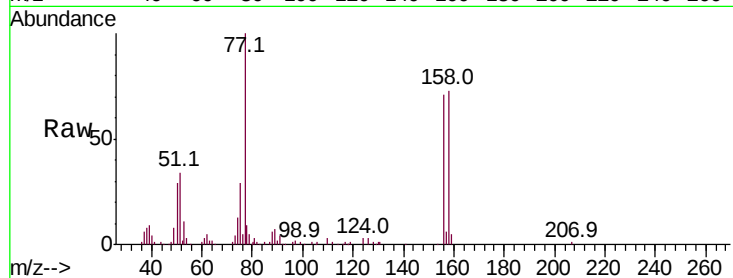
Tot Ion:156 Resp: 68274

Ion Ratio Lower Upper

156 100

77 159.0 81.0 243.1

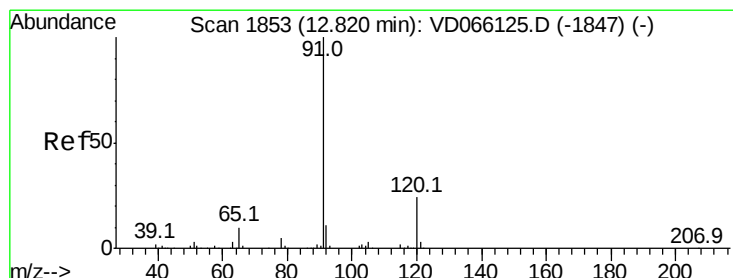
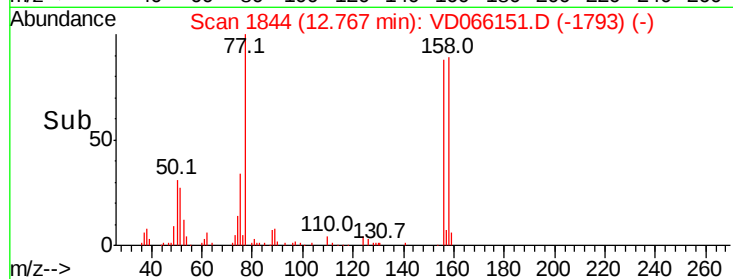
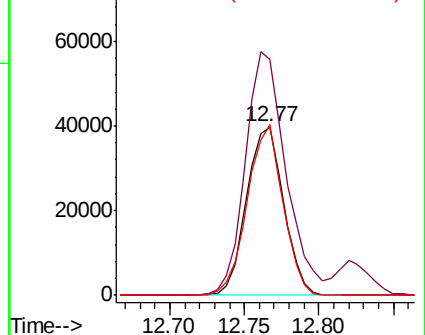
158 97.4 48.8 146.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.643 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD066151.D

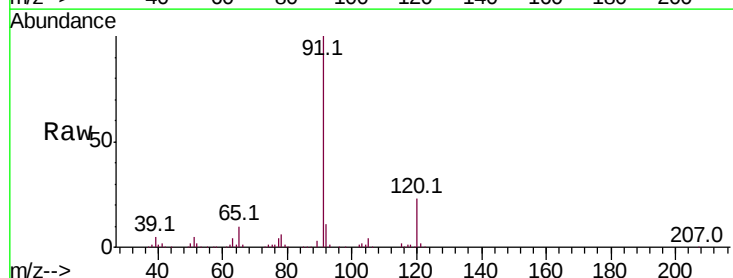
Acq: 07 Aug 2020 12:12

Tgt Ion: 91 Resp: 315675

Ion Ratio Lower Upper

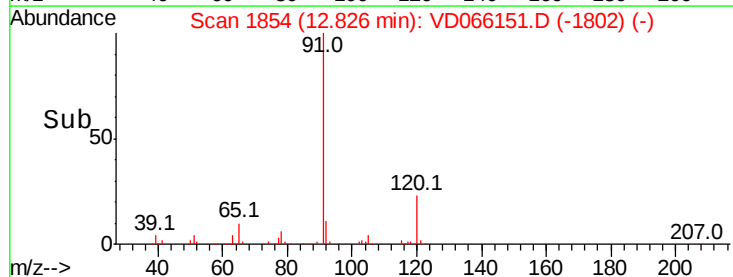
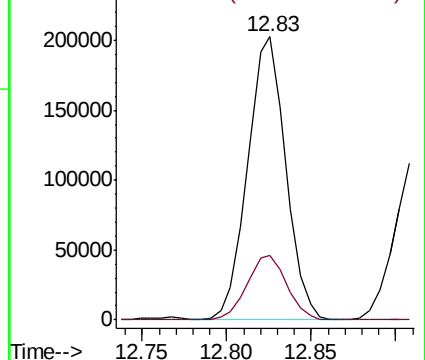
91 100

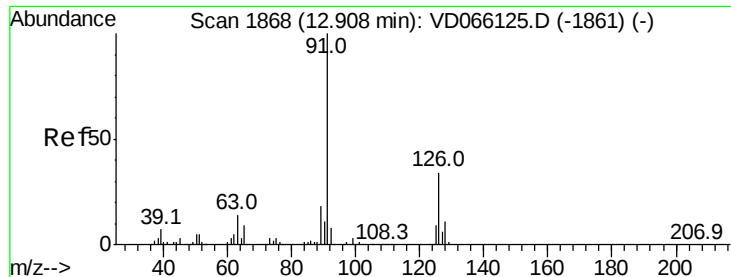
120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.868 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

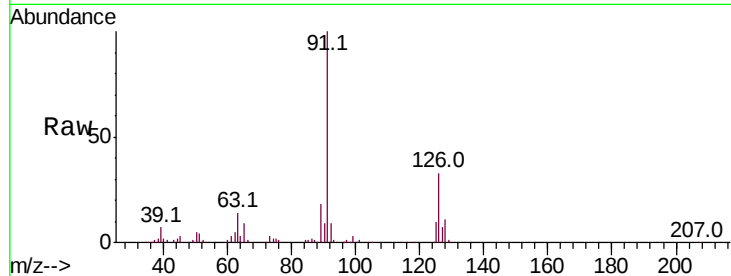
VD0807SBSD01

Tot Ion: 91 Resp: 182611

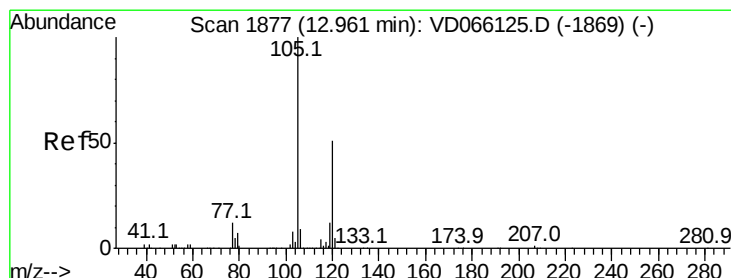
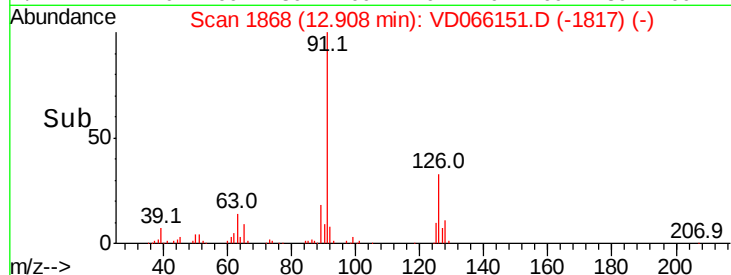
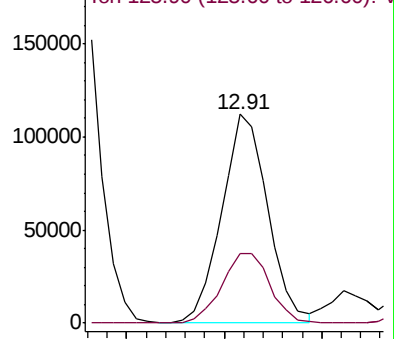
Ion Ratio Lower Upper

91 100

126 35.2 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VD066125.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.774 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066151.D

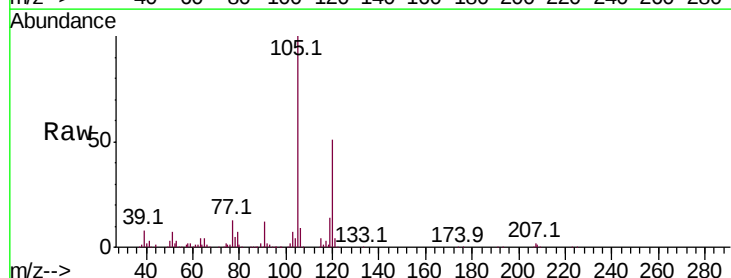
Acq: 07 Aug 2020 12:12

Tgt Ion:105 Resp: 228625

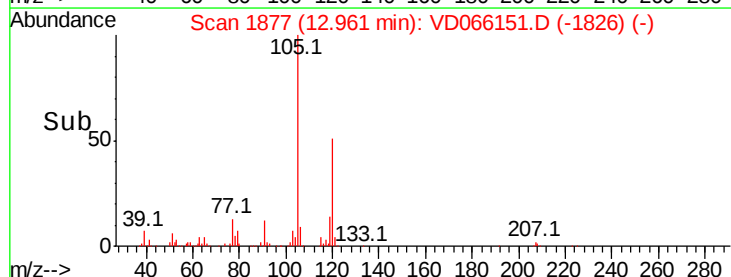
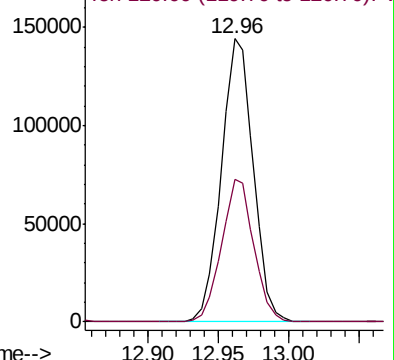
Ion Ratio Lower Upper

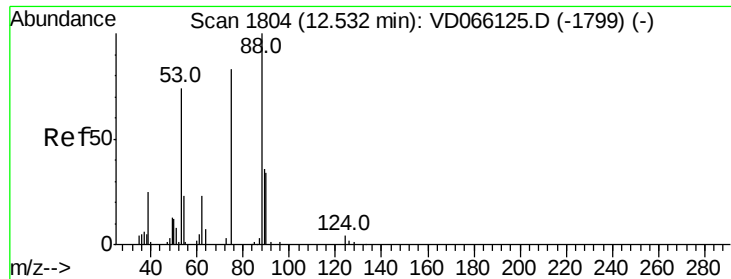
105 100

120 50.9 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VD066125.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.352 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBS01

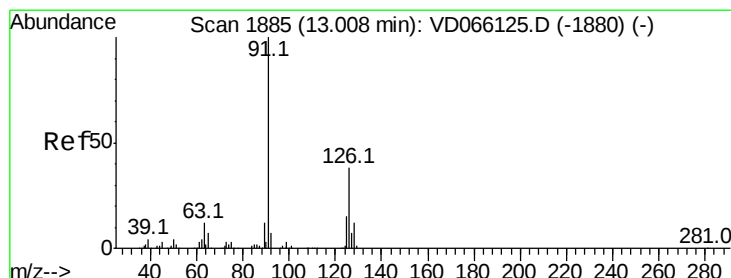
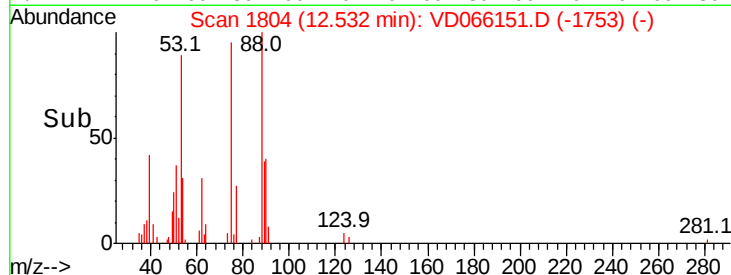
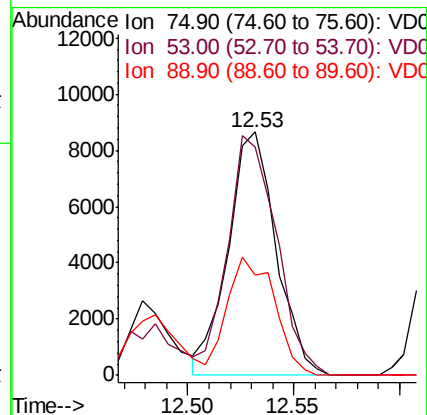
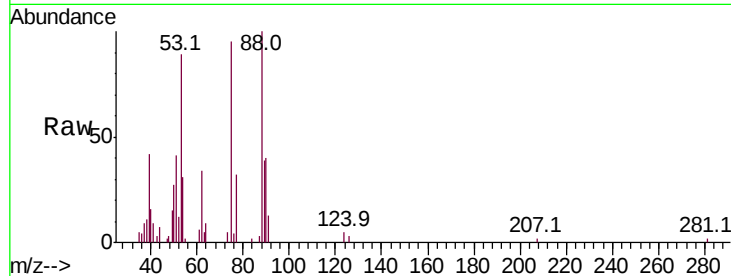
Tot Ion: 75 Resp: 13557

Ion Ratio Lower Upper

75 100

53 100.9 73.4 110.2

89 48.0 36.6 55.0



#82

4-Chlorotoluene

Concen: 19.836 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066151.D

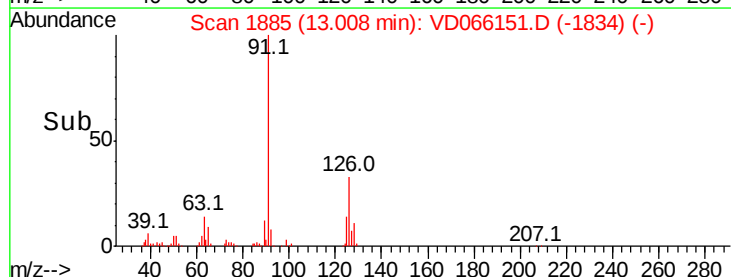
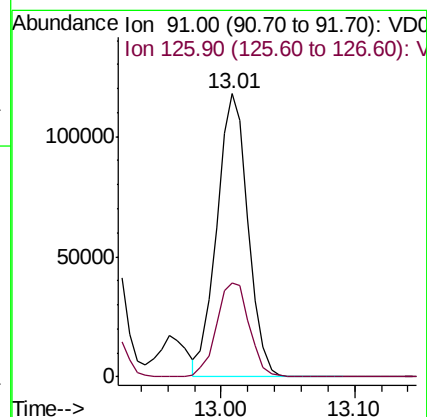
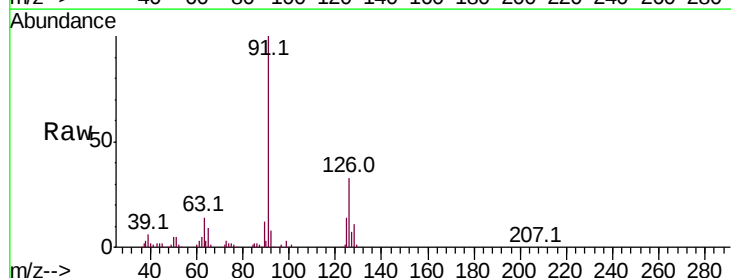
Acq: 07 Aug 2020 12:12

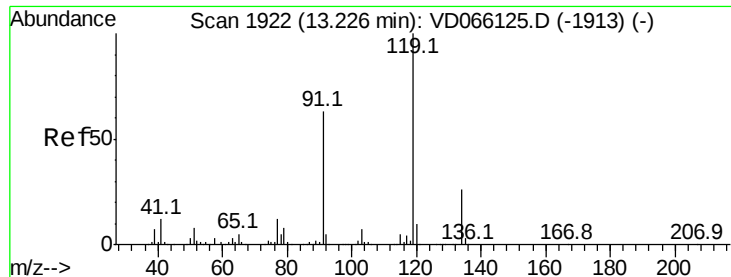
Tgt Ion: 91 Resp: 192462

Ion Ratio Lower Upper

91 100

126 35.2 17.8 53.3

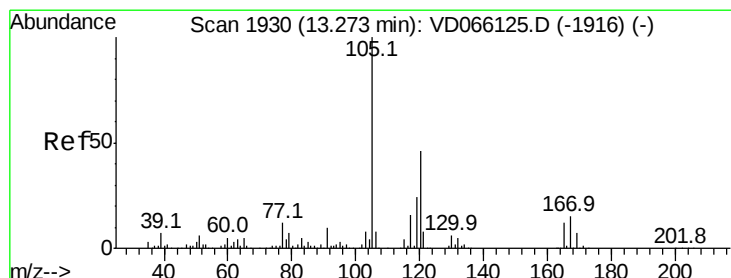
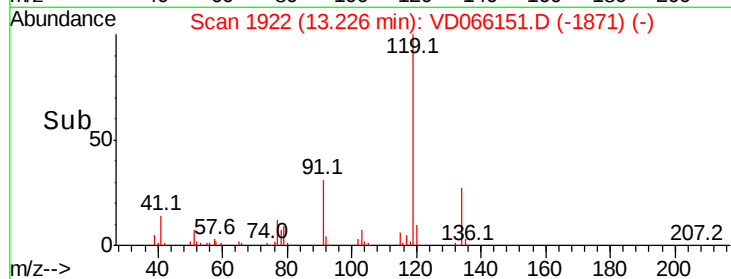
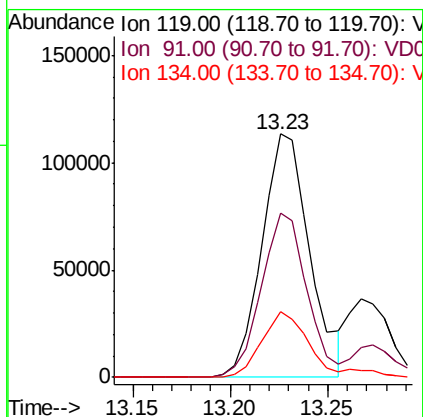
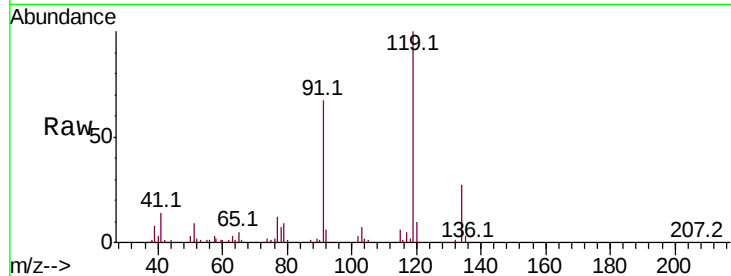




#83
tert-Butylbenzene
Concen: 18.968 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066151.D
Acq: 07 Aug 2020 12:12

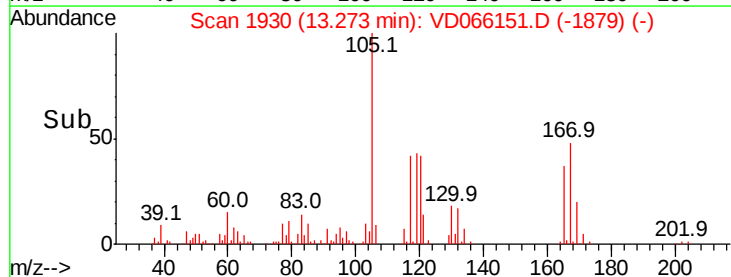
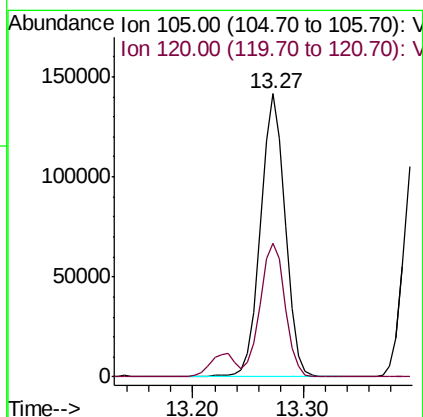
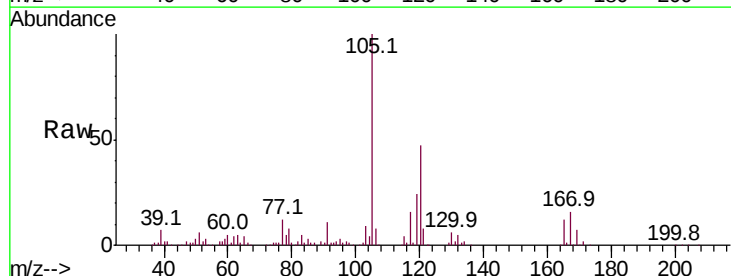
Instrument :
MSVOA_D
ClientSampleId :
VD0807SBS01

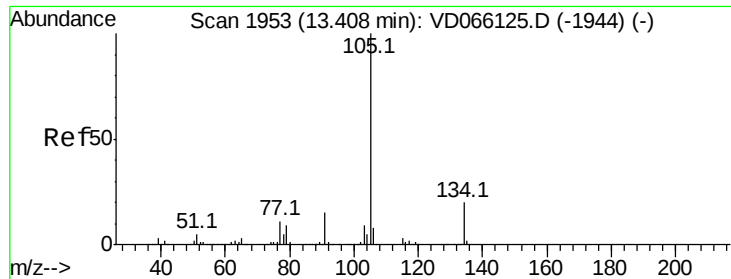
Tot Ion:119 Resp: 192865
Ion Ratio Lower Upper
119 100
91 64.2 30.8 92.4
134 25.4 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 19.210 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066151.D
Acq: 07 Aug 2020 12:12

Tgt Ion:105 Resp: 222270
Ion Ratio Lower Upper
105 100
120 47.7 23.1 69.2





#85

sec-Butylbenzene

Concen: 19.786 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

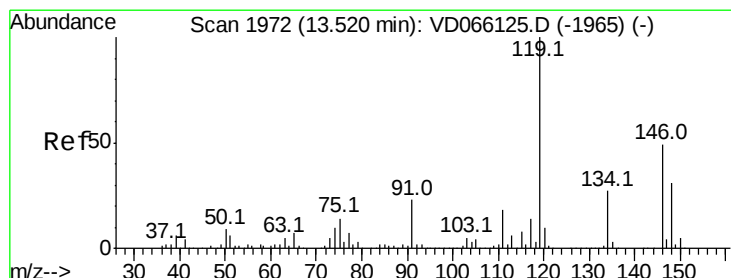
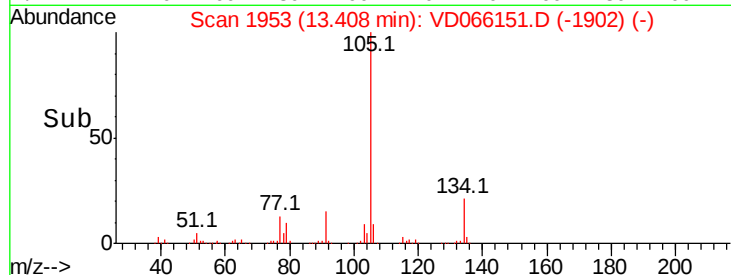
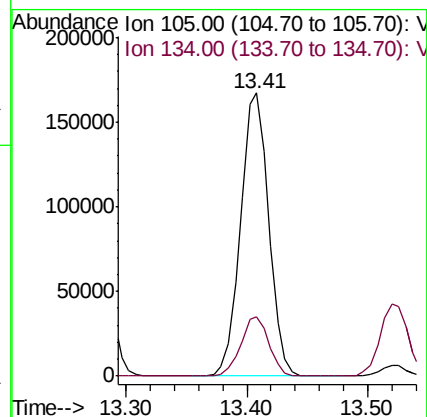
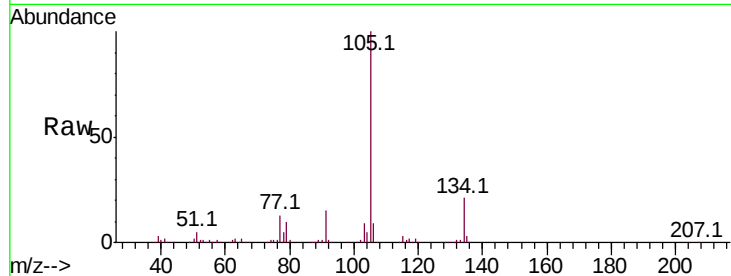
VD0807SBS01

Tot Ion:105 Resp: 271617

Ion Ratio Lower Upper

105 100

134 21.0 10.4 31.4



#86

p-Isopropyltoluene

Concen: 19.897 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

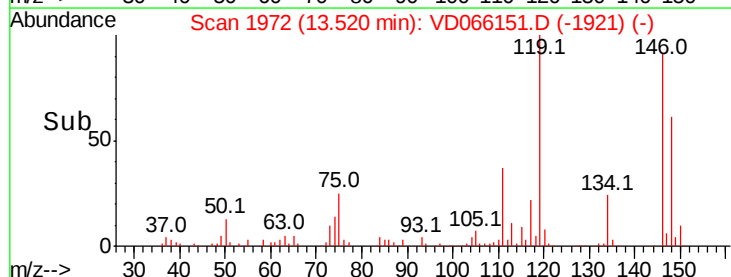
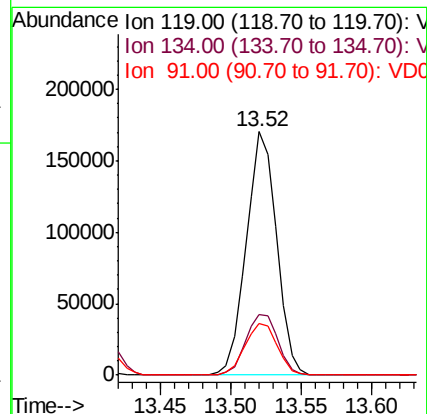
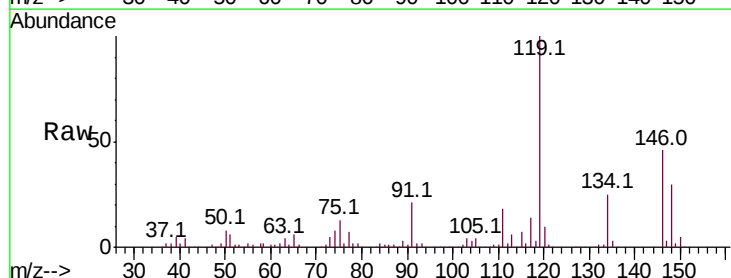
Tgt Ion:119 Resp: 256190

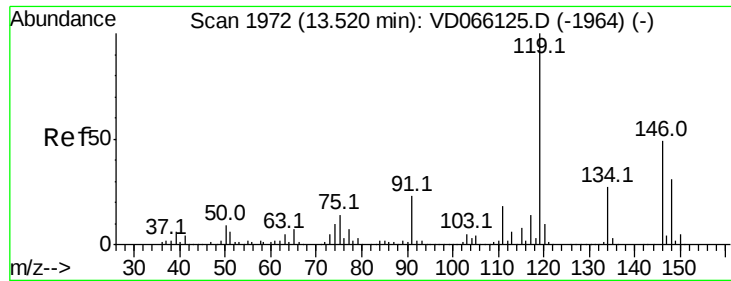
Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

91 22.8 11.2 33.5

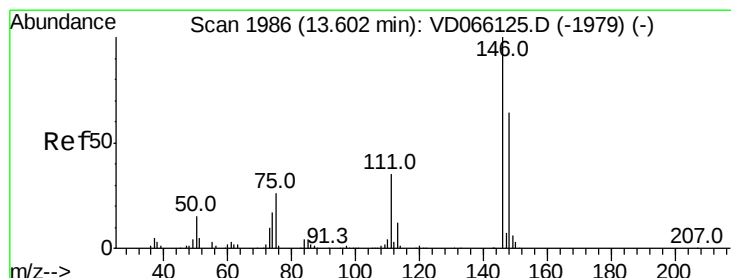
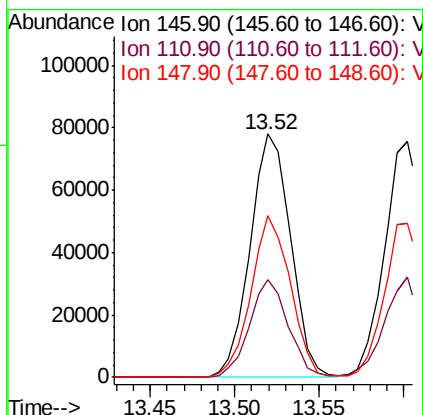
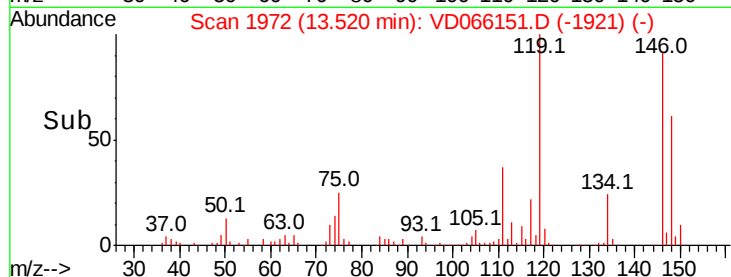
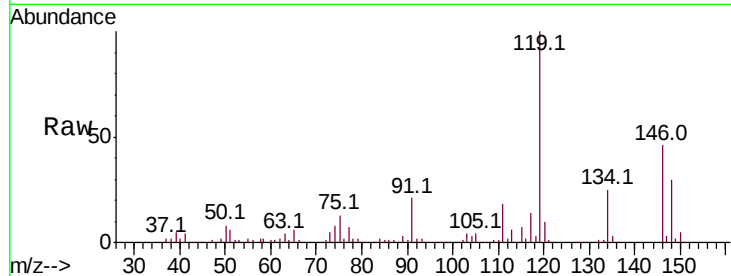




#87
 1,3-Dichlorobenzene
 Concen: 19.456 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066151.D
 Acq: 07 Aug 2020 12:12

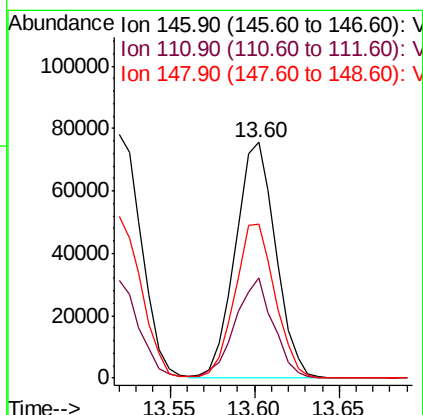
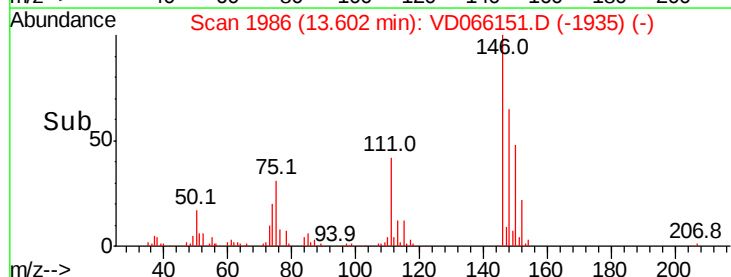
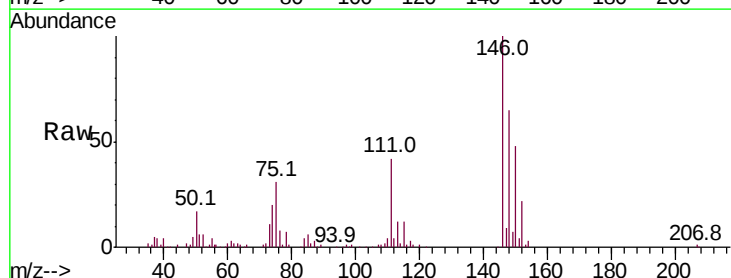
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBSD01

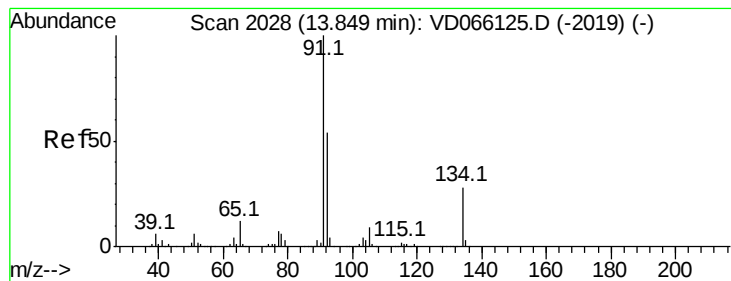
Tot Ion:146 Resp: 130134
 Ion Ratio Lower Upper
 146 100
 111 38.7 18.9 56.9
 148 64.6 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 18.871 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD066151.D
 Acq: 07 Aug 2020 12:12

Tgt Ion:146 Resp: 125879
 Ion Ratio Lower Upper
 146 100
 111 40.3 18.6 55.8
 148 64.9 32.4 97.0





#89

n-Butylbenzene

Concen: 19.967 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD066151.D

Acq: 07 Aug 2020 12:12

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBSD01

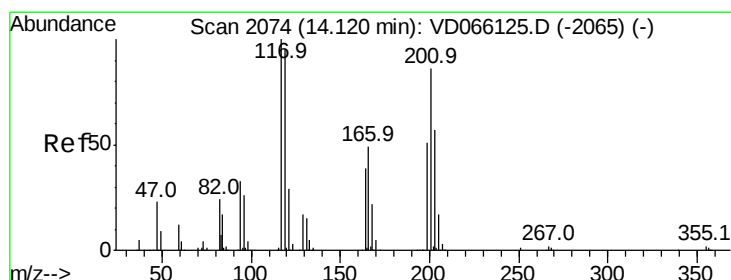
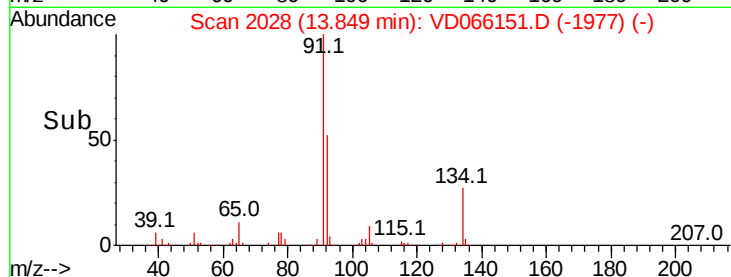
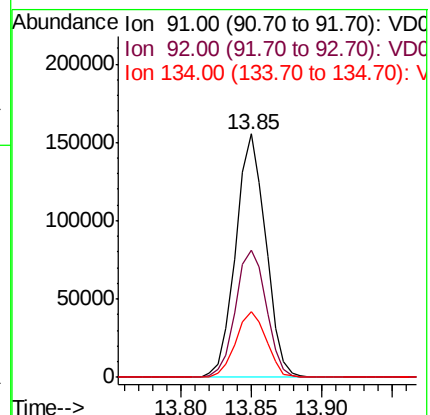
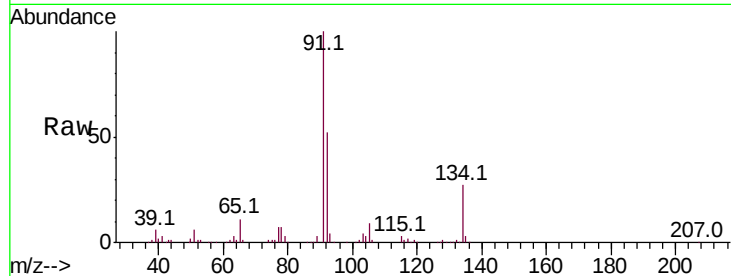
Tot Ion: 91 Resp: 230340

Ion Ratio Lower Upper

91 100

92 53.6 26.8 80.3

134 27.5 14.0 41.9



#90

Hexachloroethane

Concen: 18.916 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD066151.D

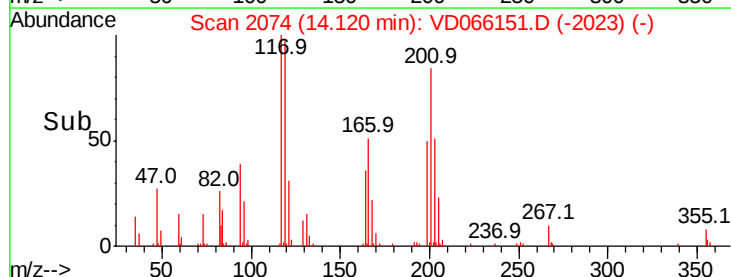
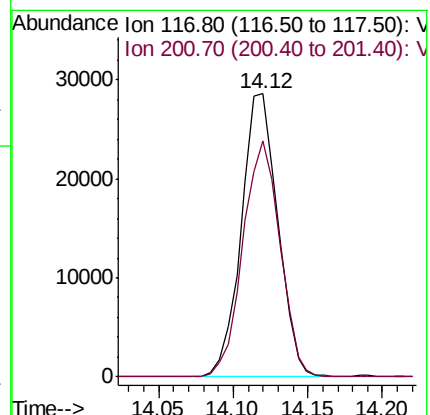
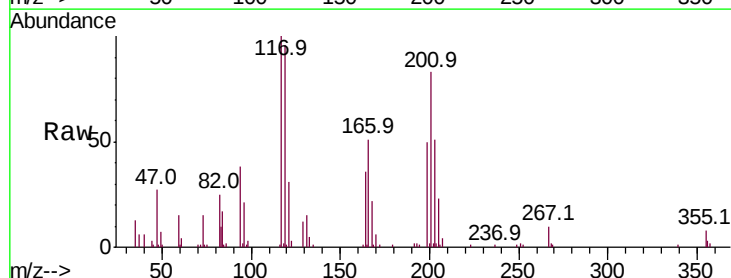
Acq: 07 Aug 2020 12:12

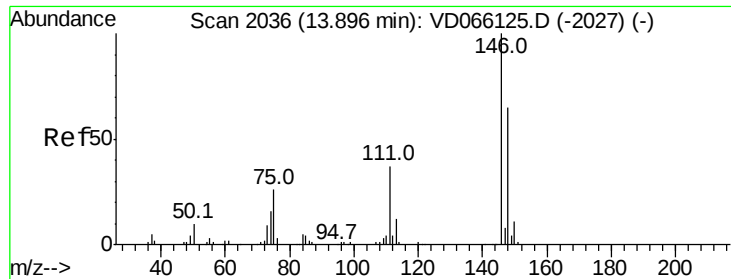
Tgt Ion: 117 Resp: 48576

Ion Ratio Lower Upper

117 100

201 84.6 42.7 128.1

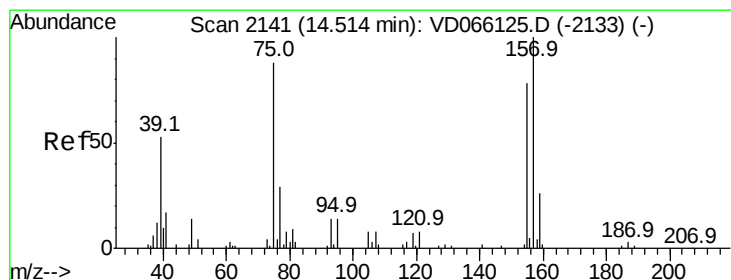
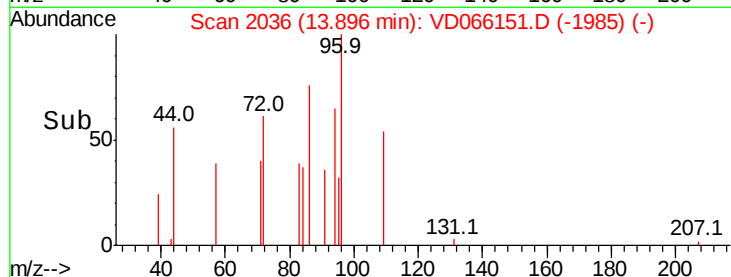
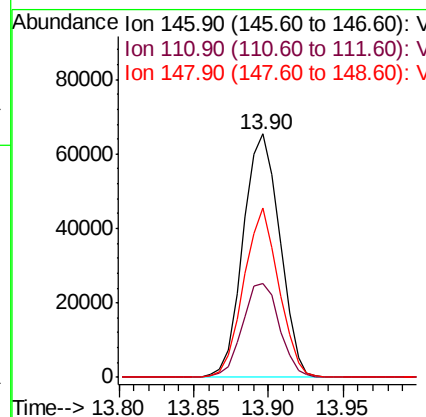
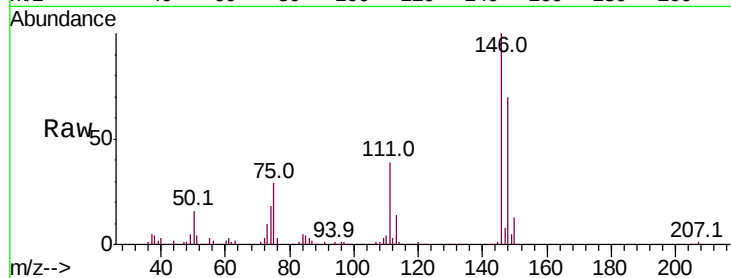




#91
 1,2-Dichlorobenzene
 Concen: 18.834 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD066151.D
 Acq: 07 Aug 2020 12:12

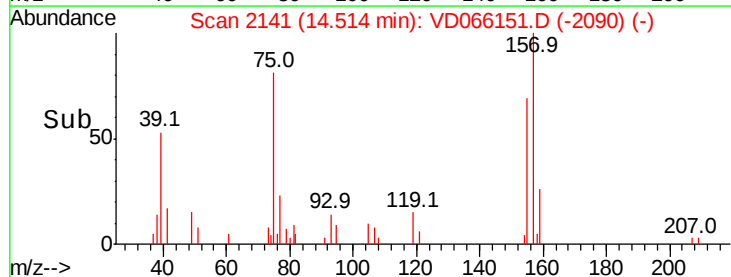
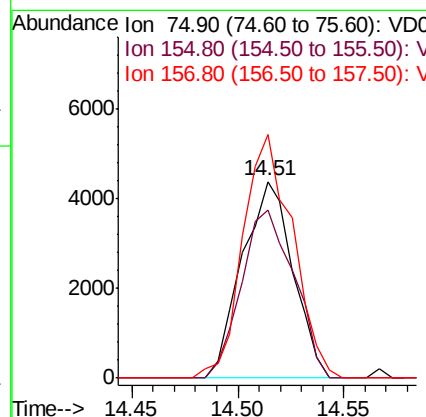
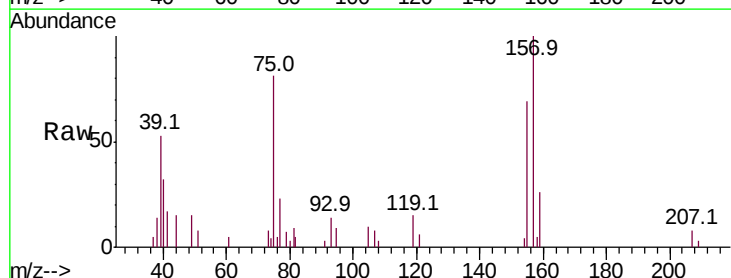
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBSD01

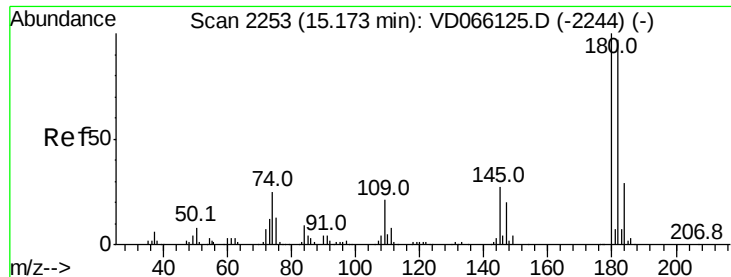
Tot Ion:146 Resp: 111411
 Ion Ratio Lower Upper
 146 100
 111 38.9 18.8 56.3
 148 66.4 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.030 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD066151.D
 Acq: 07 Aug 2020 12:12

Tgt Ion: 75 Resp: 7305
 Ion Ratio Lower Upper
 75 100
 155 88.6 47.7 143.1
 157 120.6 62.1 186.2

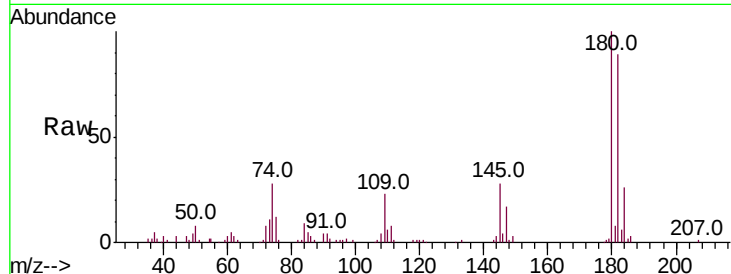




#93
 1,2,4-Trichlorobenzene
 Concen: 18.940 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066151.D
 Acq: 07 Aug 2020 12:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.2	47.4	142.2
145	29.5	14.5	43.6

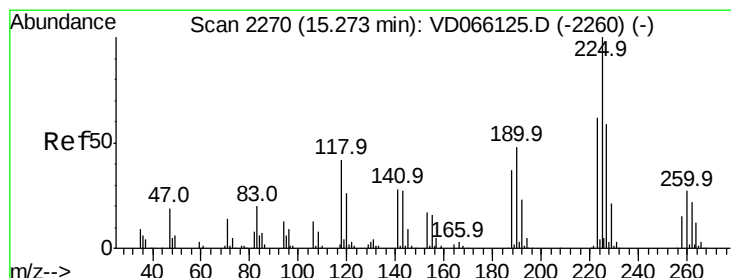
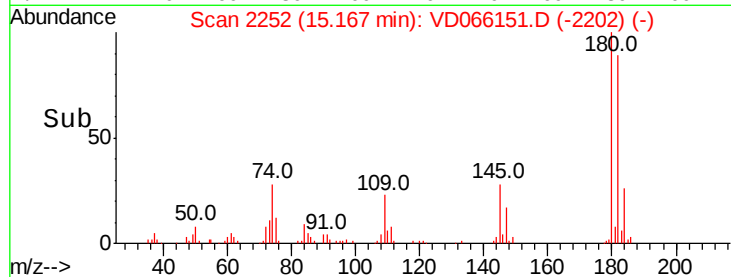
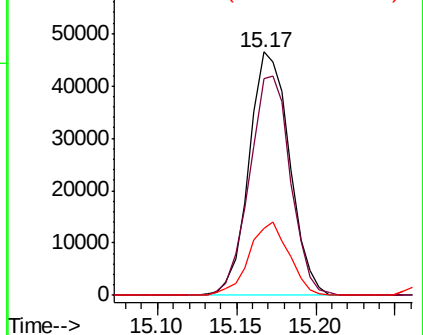


Abundance

Ion 179.80 (179.50 to 180.50): V

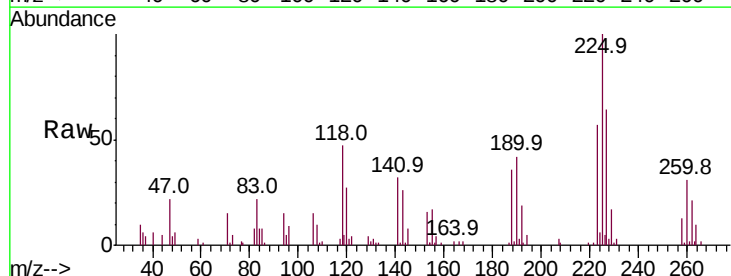
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.354 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066151.D
 Acq: 07 Aug 2020 12:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.0	32.3	96.9
227	63.1	32.1	96.5

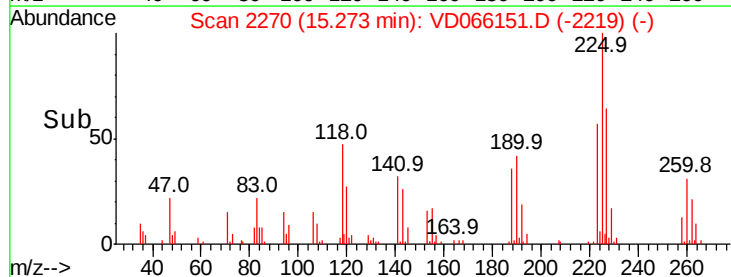
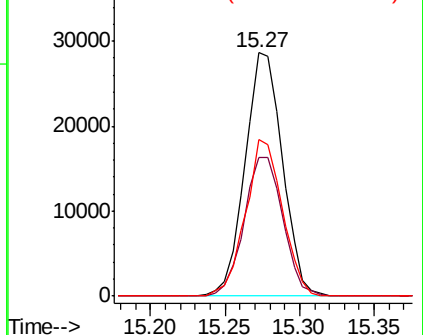


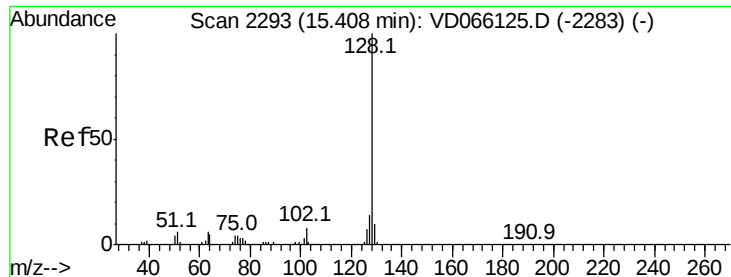
Abundance

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

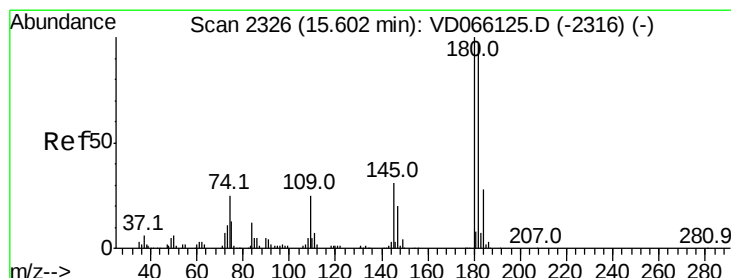
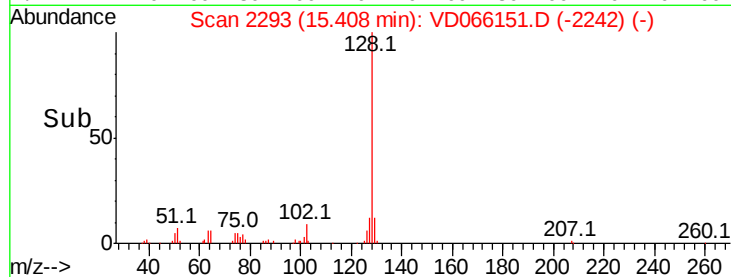
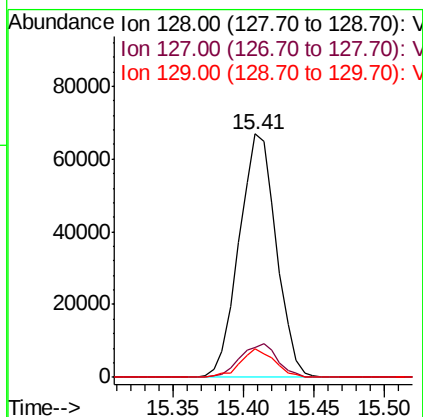
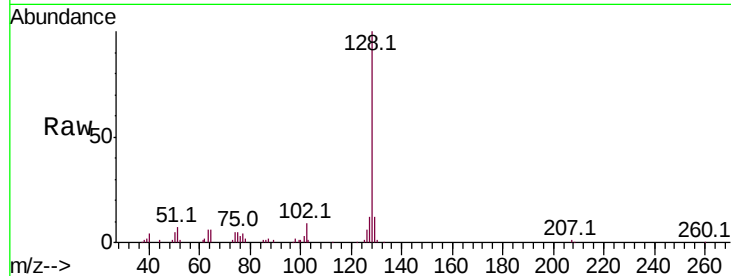




#95
Naphthalene
Concen: 17.373 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066151.D
Acq: 07 Aug 2020 12:12

Instrument :
MSVOA_D
ClientSampleId :
VD0807SBSD01

Tot Ion:128 Resp: 123397
Ion Ratio Lower Upper
128 100
127 13.7 11.0 16.4
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 17.874 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066151.D
Acq: 07 Aug 2020 12:12

Tgt Ion:180 Resp: 68783
Ion Ratio Lower Upper
180 100
182 92.4 47.1 141.4
145 31.4 14.9 44.9

