

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD092220\
 Data File : VD066804.D
 Acq On : 22 Sep 2020 11:43
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Sep 22 12:48:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 22 12:44:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	408799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	667244	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	600435	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288783	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	78458	18.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.70%	
35) Dibromofluoromethane	7.91	113	83049	20.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.40%	
50) Toluene-d8	10.34	98	275985	19.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.02%	
62) 4-Bromofluorobenzene	12.63	95	97261	19.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.72%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.99	85	77713	23.012	ug/l 99
3) Chloromethane	2.21	50	80505	18.627	ug/l 99
4) Vinyl Chloride	2.35	62	75709	16.857	ug/l 99
5) Bromomethane	2.76	94	53095	16.710	ug/l 98
6) Chloroethane	2.91	64	47852	17.240	ug/l 99
7) Trichlorofluoromethane	3.27	101	155526	19.563	ug/l 99
8) Diethyl Ether	3.71	74	37259	18.536	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	91408	20.804	ug/l 99
10) Methyl Iodide	4.30	142	73515	17.902	ug/l 95
11) Tert butyl alcohol	5.22	59	31327	72.163	ug/l # 86
12) 1,1-Dichloroethene	4.06	96	82323	20.201	ug/l 95
13) Acrolein	3.93	56	30564	100.166	ug/l 95
14) Allyl chloride	4.71	41	117854	18.269	ug/l 99
15) Acrylonitrile	5.43	53	85656	97.029	ug/l 100
16) Acetone	4.16	43	79695	89.069	ug/l 93
17) Carbon Disulfide	4.40	76	258527	20.349	ug/l 95
18) Methyl Acetate	4.72	43	40220	18.764	ug/l 99
19) Methyl tert-butyl Ether	5.48	73	170689	18.858	ug/l 100
20) Methylene Chloride	4.97	84	104389	17.461	ug/l 96
21) trans-1,2-Dichloroethene	5.47	96	93410	19.742	ug/l 85
22) Diisopropyl ether	6.37	45	254510	19.380	ug/l 99
23) Vinyl Acetate	6.31	43	611226	84.483	ug/l 98
24) 1,1-Dichloroethane	6.26	63	160090	19.046	ug/l 98
25) 2-Butanone	7.21	43	102988	90.424	ug/l 98
26) 2,2-Dichloropropane	7.20	77	147525	19.048	ug/l 98
27) cis-1,2-Dichloroethene	7.21	96	104370	20.168	ug/l 99
28) Bromochloromethane	7.54	49	64537	20.009	ug/l # 100
29) Tetrahydrofuran	7.56	42	63929	91.491	ug/l 98
30) Chloroform	7.71	83	176130	19.718	ug/l 99
31) Cyclohexane	7.99	56	148683	19.581	ug/l 97
32) 1,1,1-Trichloroethane	7.90	97	159200	19.482	ug/l 99
36) 1,1-Dichloropropene	8.11	75	134821	19.725	ug/l 99
37) Ethyl Acetate	7.29	43	44213	17.104	ug/l # 92
38) Carbon Tetrachloride	8.10	117	143679	19.747	ug/l 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	153579	19.649	ug/l	98
40) Benzene	8.35	78	373879	20.113	ug/l	96
41) Methacrylonitrile	7.54	41	35964	25.747	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	110935	19.450	ug/l	100
43) Isopropyl Acetate	8.44	43	89233	18.298	ug/l	99
44) Trichloroethene	9.11	130	103963	20.748	ug/l	100
45) 1,2-Dichloropropane	9.38	63	92195	19.978	ug/l	98
46) Dibromomethane	9.47	93	51066	20.092	ug/l	98
47) Bromodichloromethane	9.66	83	136893	19.922	ug/l	98
48) Methyl methacrylate	9.46	41	42488	17.410	ug/l	99
49) 1,4-Dioxane	9.46	88	12480	457.571	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	221587	88.328	ug/l	100
52) Toluene	10.40	92	241101	20.239	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	112882	18.453	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	138855	19.108	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	69832	20.738	ug/l	97
56) Ethyl methacrylate	10.66	69	70571	18.711	ug/l	97
57) 1,3-Dichloropropane	10.94	76	115571	19.815	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	194558	115.866	ug/l	98
59) 2-Hexanone	10.98	43	152272	90.324	ug/l	100
60) Dibromochloromethane	11.14	129	88764	20.353	ug/l	98
61) 1,2-Dibromoethane	11.24	107	62763	19.538	ug/l	97
64) Tetrachloroethene	10.87	164	88530	21.444	ug/l	97
65) Chlorobenzene	11.67	112	250388	20.189	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	94722	20.524	ug/l	99
67) Ethyl Benzene	11.74	91	441564	19.713	ug/l	98
68) m/p-Xylenes	11.85	106	338114	39.831	ug/l	97
69) o-Xylene	12.18	106	150232	19.967	ug/l	100
70) Styrene	12.19	104	262343	19.859	ug/l	98
71) Bromoform	12.36	173	46196	19.882	ug/l #	99
73) Isopropylbenzene	12.48	105	415034	19.326	ug/l	98
74) N-amyl acetate	12.29	43	76993	17.067	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	71087	19.266	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	91448	36.784	ug/l #	100
77) Bromobenzene	12.76	156	97982	19.607	ug/l	98
78) n-propylbenzene	12.82	91	500984	19.182	ug/l	99
79) 2-Chlorotoluene	12.91	91	287285	19.460	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	360905	19.904	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	17252	15.260	ug/l	88
82) 4-Chlorotoluene	13.00	91	306518	19.581	ug/l	98
83) tert-Butylbenzene	13.23	119	284362	18.983	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	358676	19.783	ug/l	99
85) sec-Butylbenzene	13.40	105	420542	19.623	ug/l	98
86) p-Isopropyltoluene	13.52	119	380535	19.544	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	190855	19.992	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	183660	19.302	ug/l	97
89) n-Butylbenzene	13.85	91	357267	19.370	ug/l	99
90) Hexachloroethane	14.11	117	74419	18.692	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	160567	19.615	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10227	17.327	ug/l	93

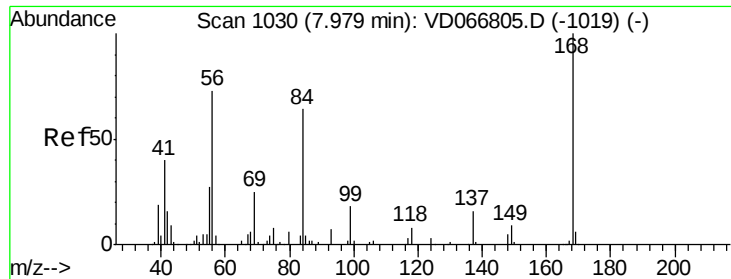
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD092220\
Data File : VD066804.D
Acq On : 22 Sep 2020 11:43
Operator : VA/SY
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Quant Title : SW846 8260
QLast Update : Tue Sep 22 12:44:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	101141	20.413	ug/l	96
94) Hexachlorobutadiene	15.27	225	59233	19.814	ug/l	96
95) Naphthalene	15.41	128	161300	18.466	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	87509	20.056	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

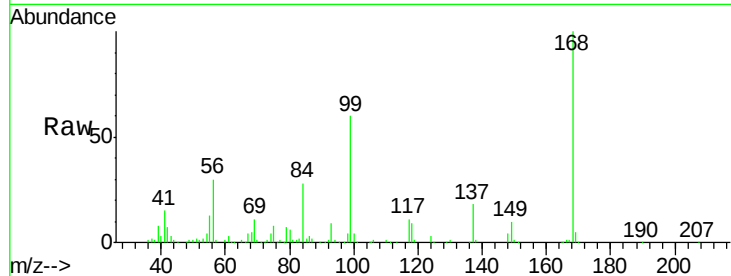
VSTDIC020

Tgt Ion:168 Resp: 408799

Ion Ratio Lower Upper

168 100

99 60.1 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

200000

150000

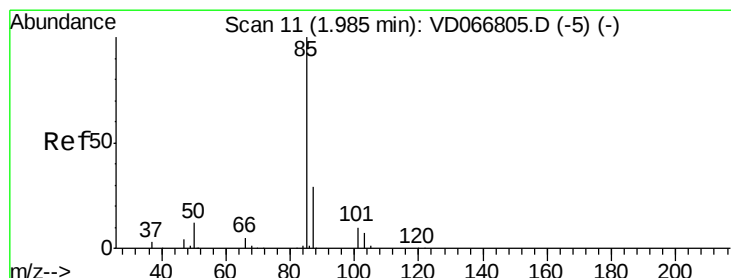
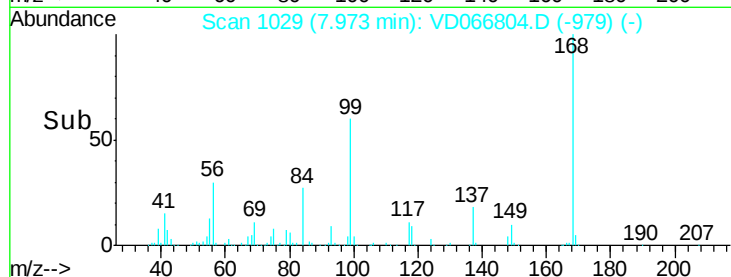
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 23.012 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066804.D

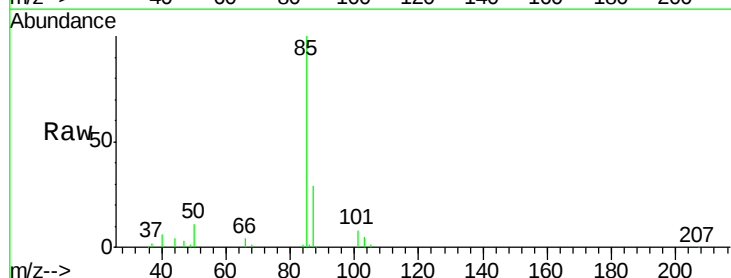
Acq: 22 Sep 2020 11:43

Tgt Ion: 85 Resp: 77713

Ion Ratio Lower Upper

85 100

87 29.4 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

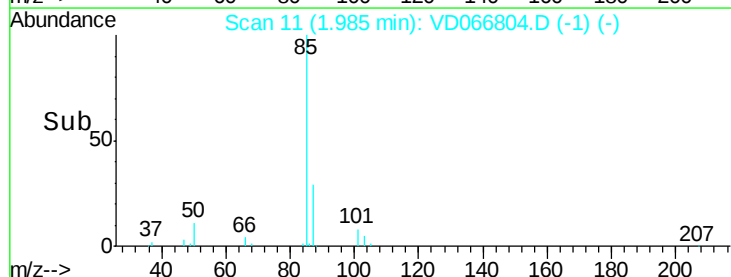
40000

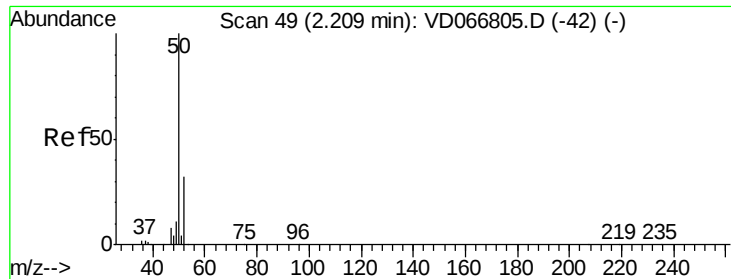
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 18.627 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

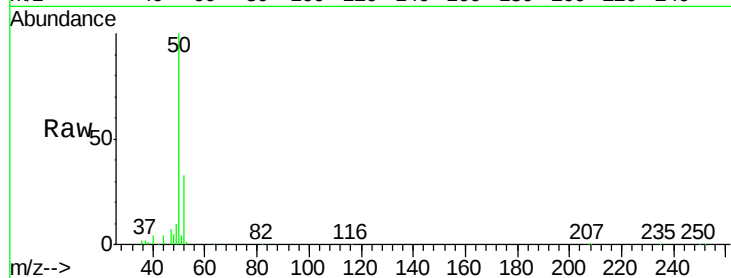
VSTDIC020

Tgt Ion: 50 Resp: 80505

Ion Ratio Lower Upper

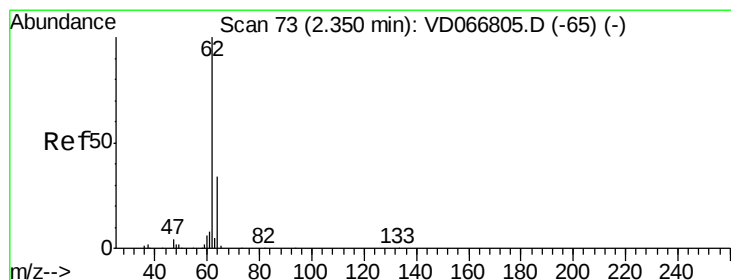
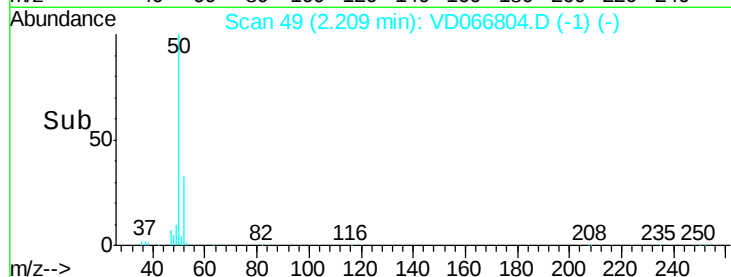
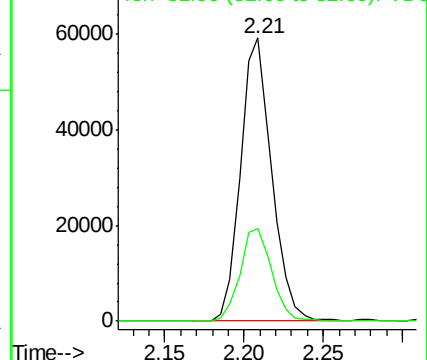
50 100

52 32.6 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 16.857 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066804.D

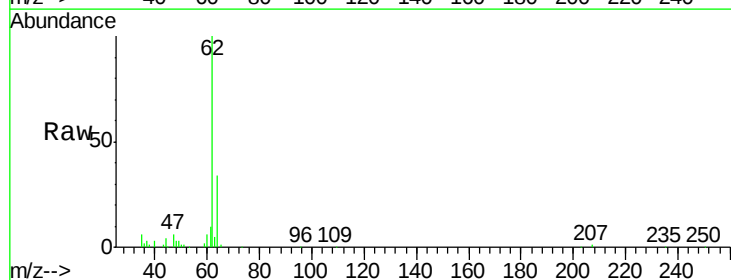
Acq: 22 Sep 2020 11:43

Tgt Ion: 62 Resp: 75709

Ion Ratio Lower Upper

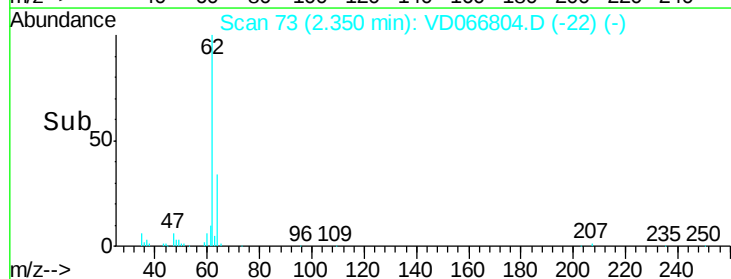
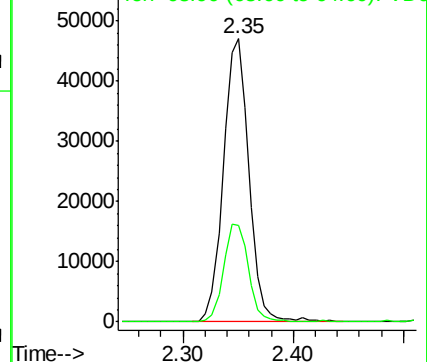
62 100

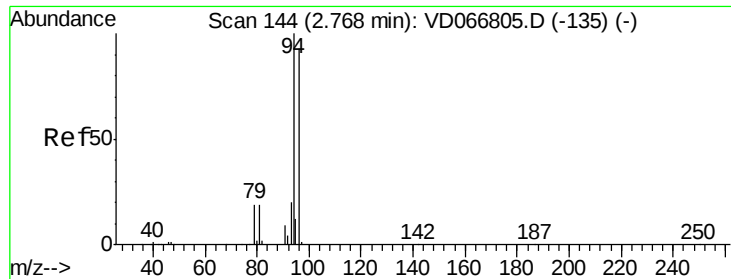
64 34.1 27.0 40.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 16.710 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

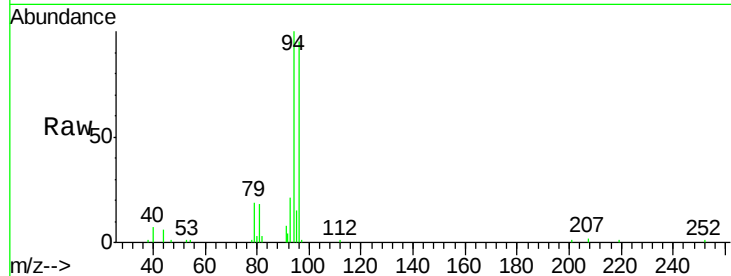
VSTDIC020

Tgt Ion: 94 Resp: 53095

Ion Ratio Lower Upper

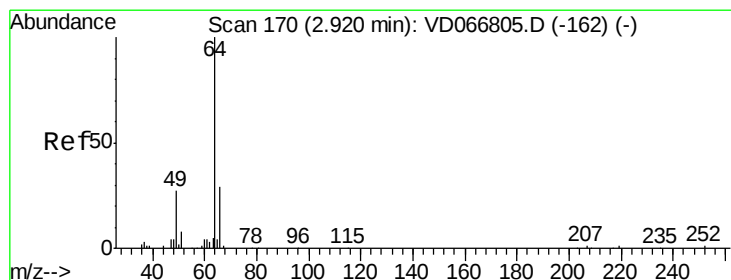
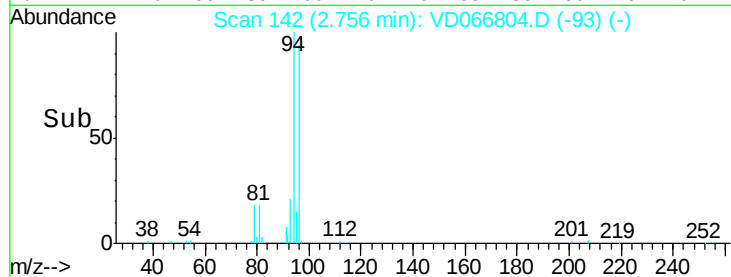
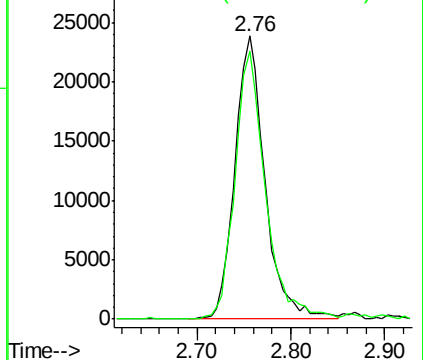
94 100

96 94.7 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.240 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066804.D

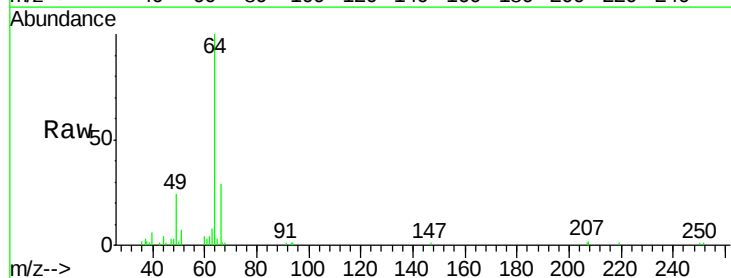
Acq: 22 Sep 2020 11:43

Tgt Ion: 64 Resp: 47852

Ion Ratio Lower Upper

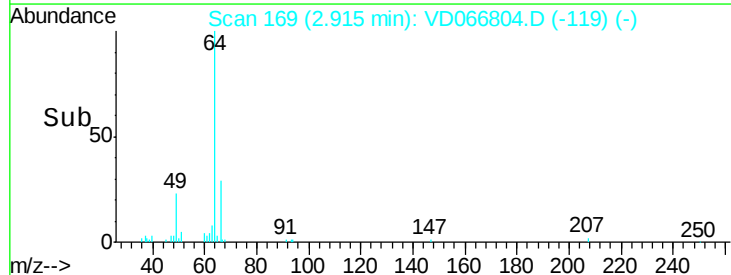
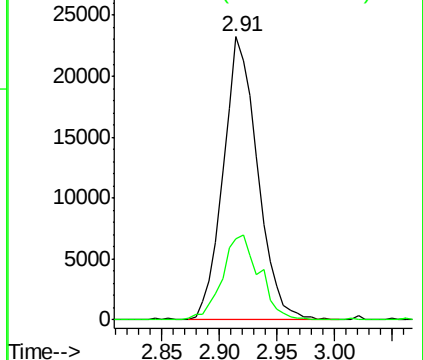
64 100

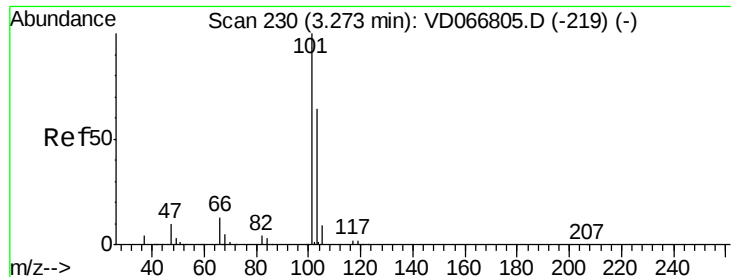
66 28.8 23.3 34.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



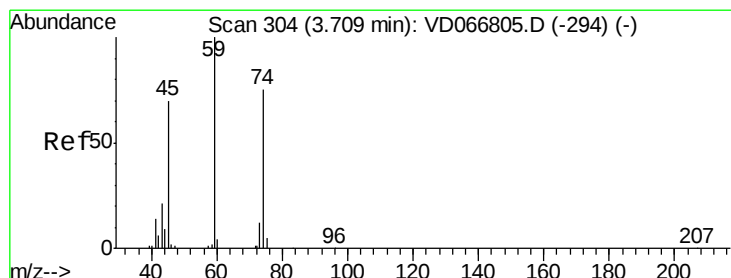
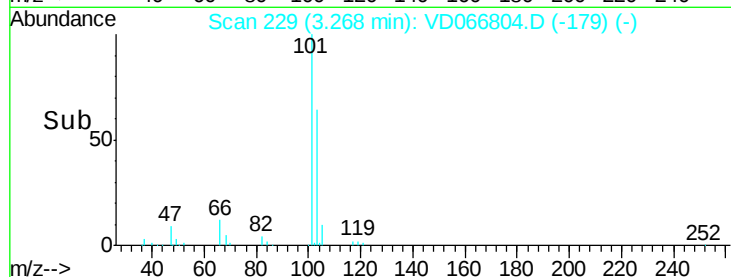
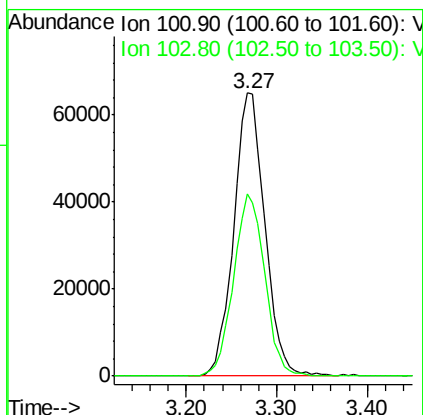
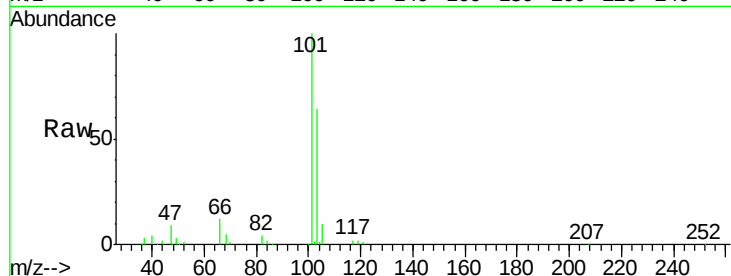


#7

Trichlorofluoromethane
 Concen: 19.563 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

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 VSTDIC020

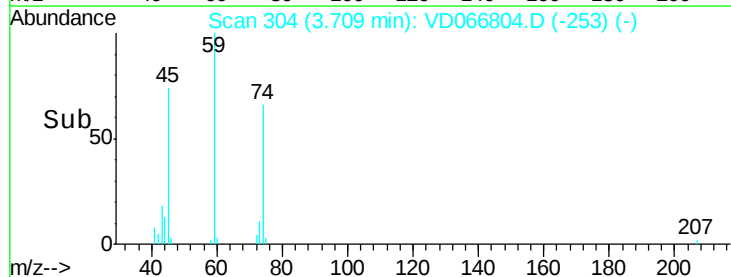
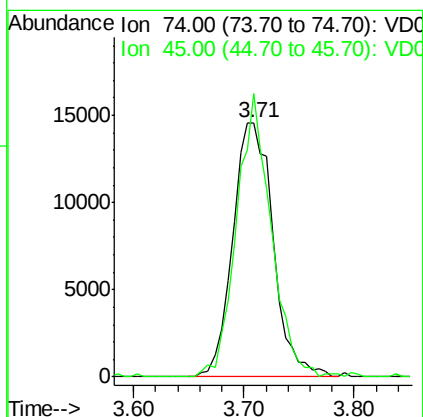
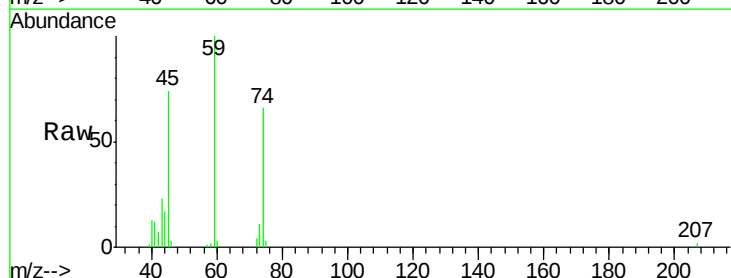
Tgt Ion: 101 Resp: 155526
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.0 76.6

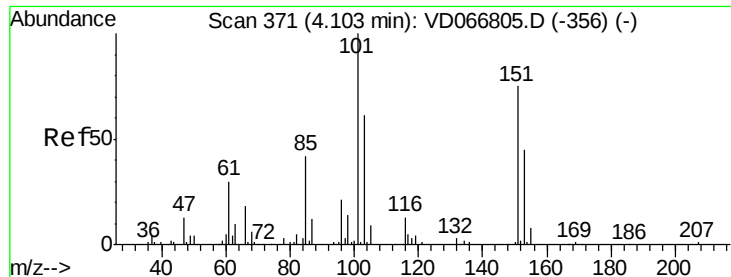


#8

Diethyl Ether
 Concen: 18.536 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

Tgt Ion: 74 Resp: 37259
 Ion Ratio Lower Upper
 74 100
 45 96.0 46.0 138.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.804 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

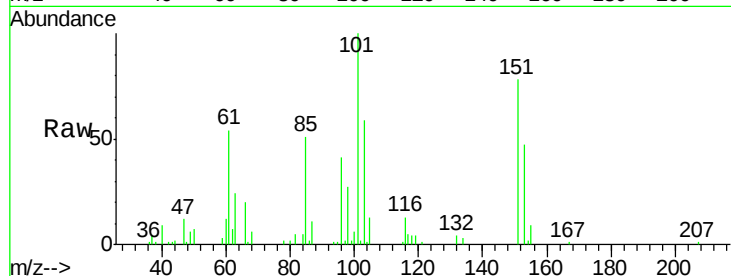
Tgt Ion:101 Resp: 91408

Ion Ratio Lower Upper

101 100

85 44.6 35.4 53.2

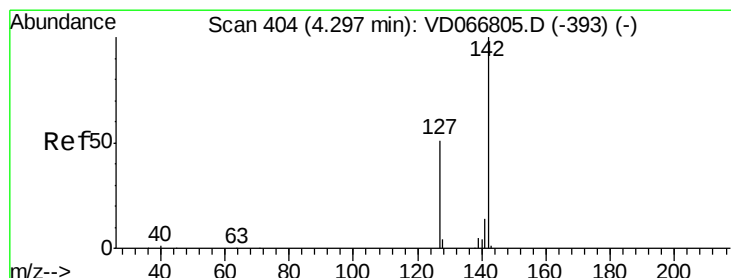
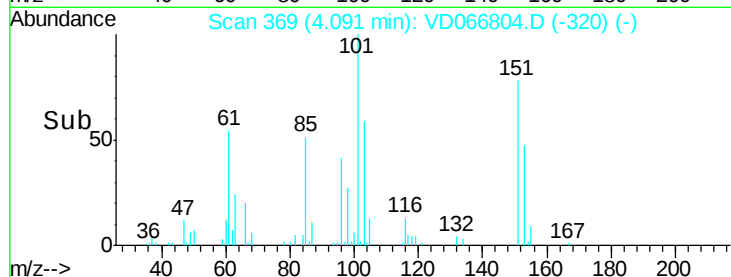
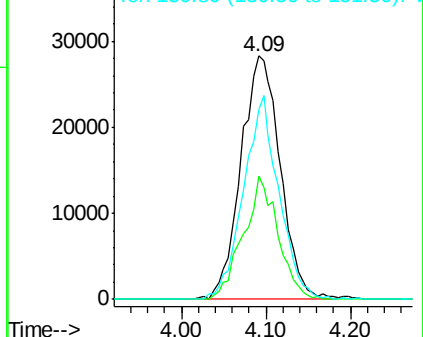
151 75.4 61.4 92.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.902 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

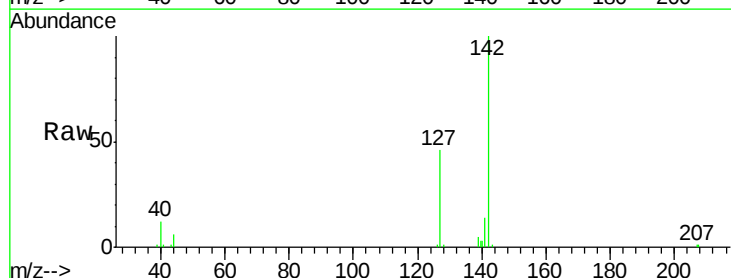
Tgt Ion:142 Resp: 73515

Ion Ratio Lower Upper

142 100

127 45.1 39.4 59.0

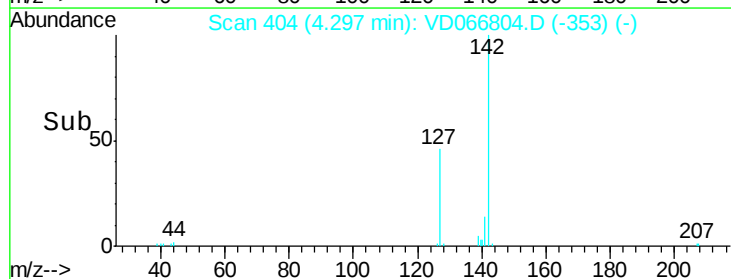
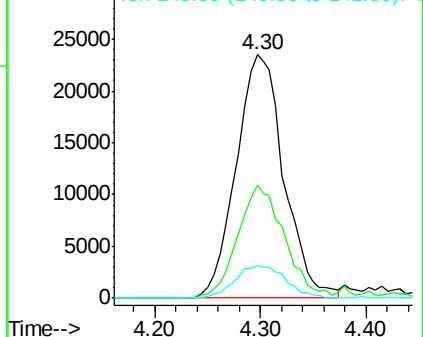
141 14.2 12.1 18.1

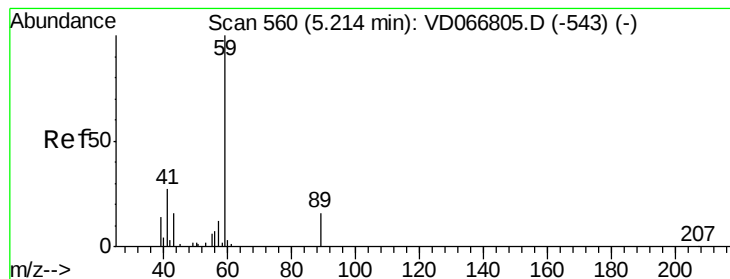


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 72.163 ug/l

RT: 5.22 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

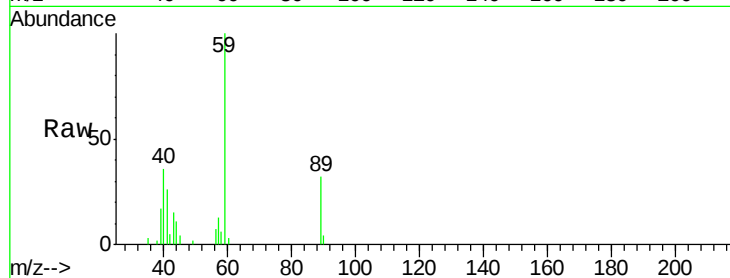
VSTDIC020

Tgt Ion: 59 Resp: 31327

Ion Ratio Lower Upper

59 100

57 5.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.22

8000

6000

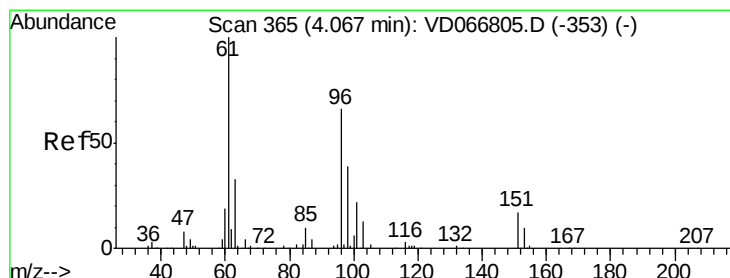
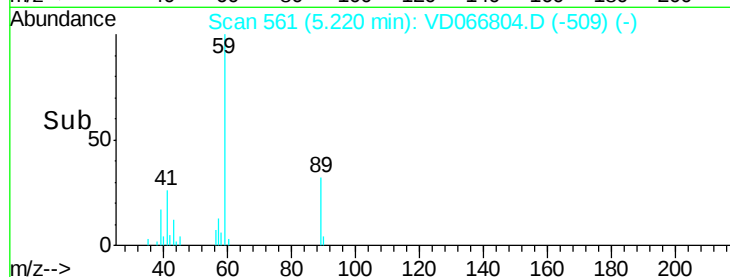
4000

2000

0

Time-->

5.10 5.20 5.30 5.40



#12

1,1-Dichloroethene

Concen: 20.201 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

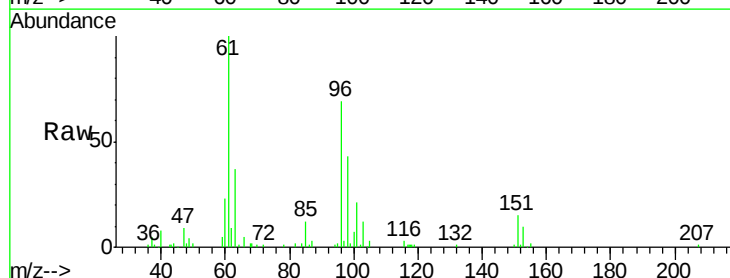
Tgt Ion: 96 Resp: 82323

Ion Ratio Lower Upper

96 100

61 144.3 120.8 181.2

98 62.1 47.7 71.5



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

60000

50000

40000

30000

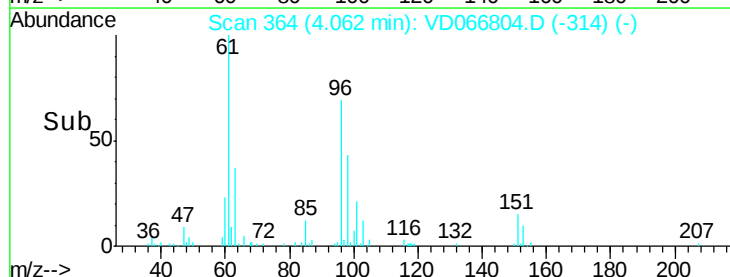
20000

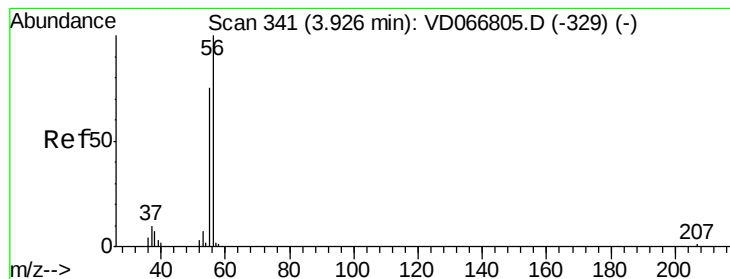
10000

0

Time-->

4.00 4.10 4.20





#13

Acrolein

Concen: 100.166 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

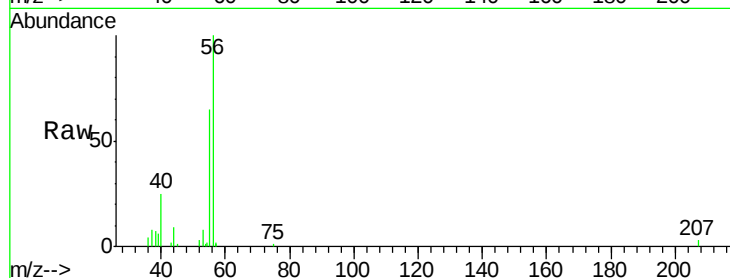
VSTDIC020

Tgt Ion: 56 Resp: 30564

Ion Ratio Lower Upper

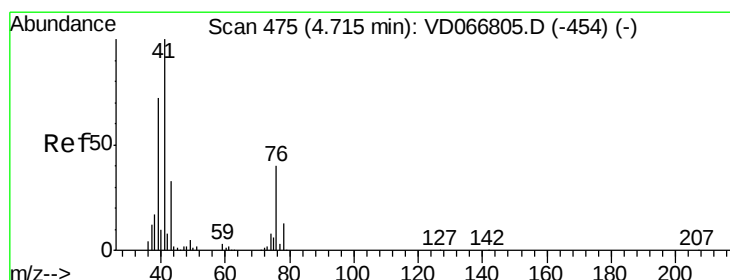
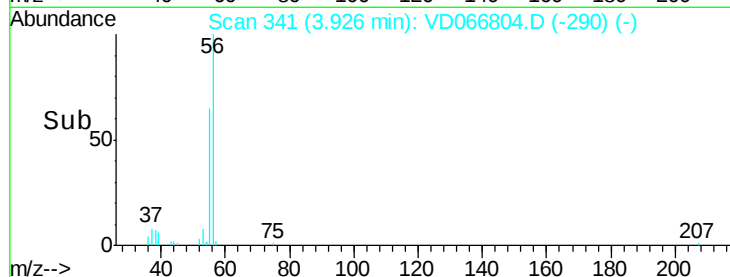
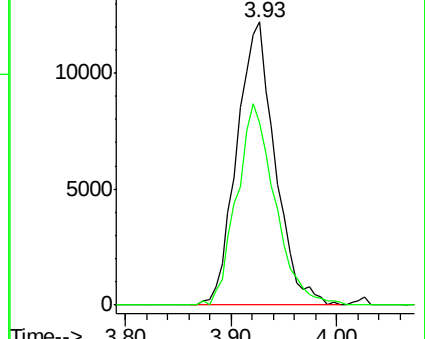
56 100

55 71.4 60.3 90.5



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.269 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

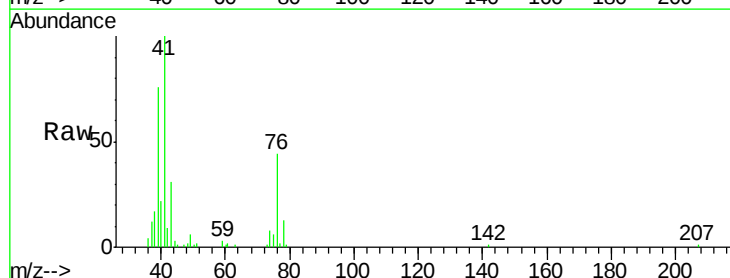
Tgt Ion: 41 Resp: 117854

Ion Ratio Lower Upper

41 100

39 73.5 57.8 86.8

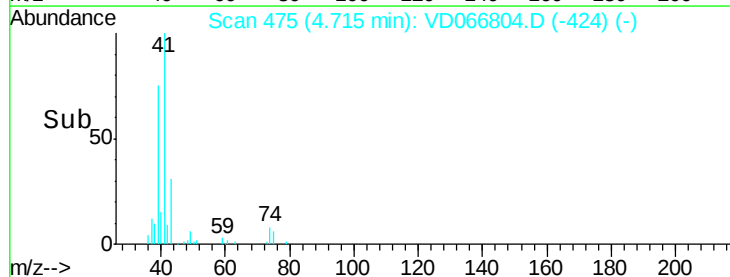
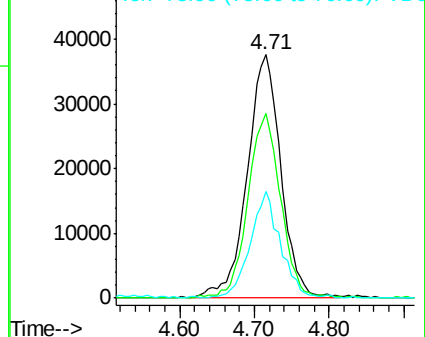
76 39.0 30.9 46.3

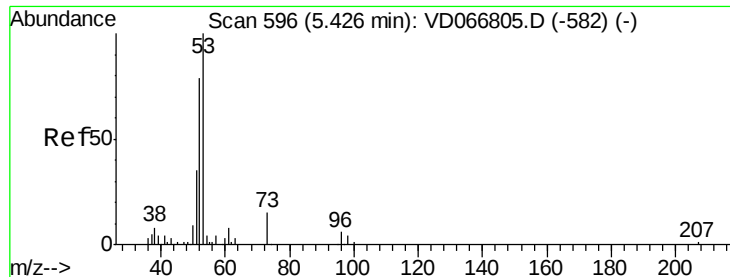


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 97.029 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

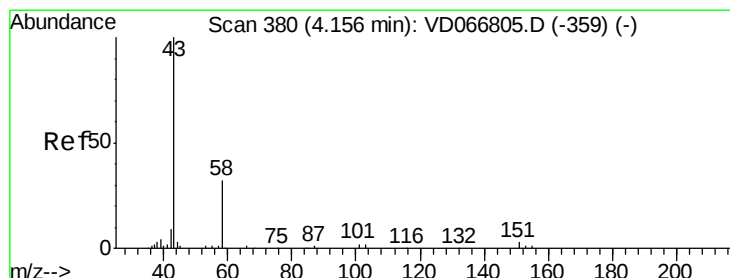
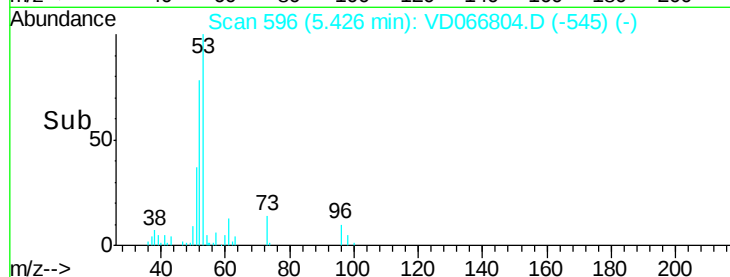
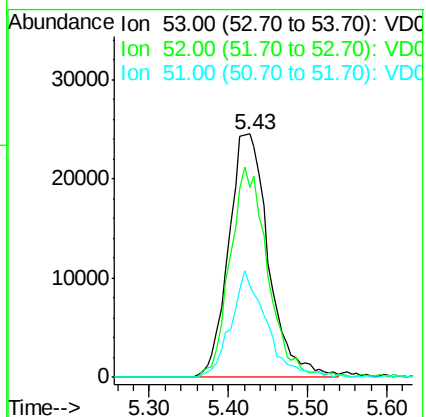
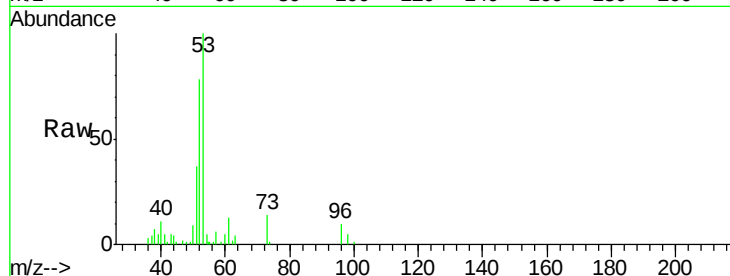
Tgt Ion: 53 Resp: 85656

Ion Ratio Lower Upper

53 100

52 81.5 65.2 97.8

51 38.8 30.6 46.0



#16

Acetone

Concen: 89.069 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066804.D

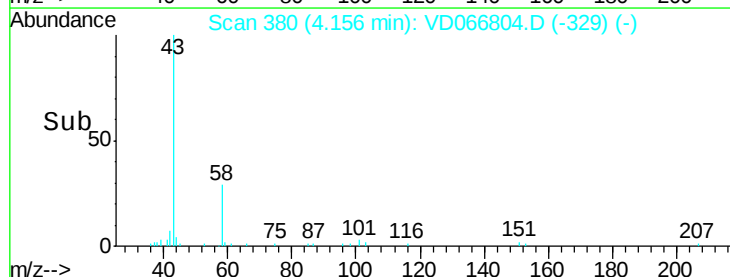
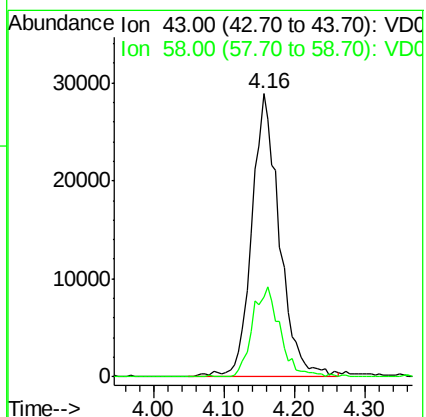
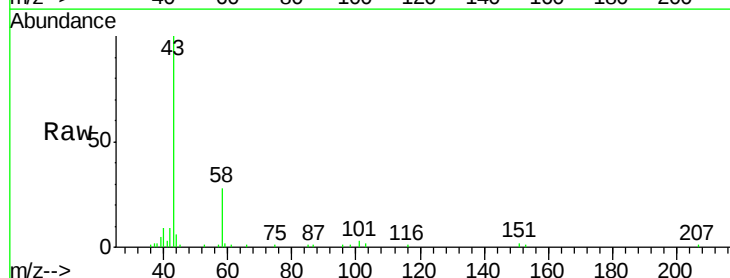
Acq: 22 Sep 2020 11:43

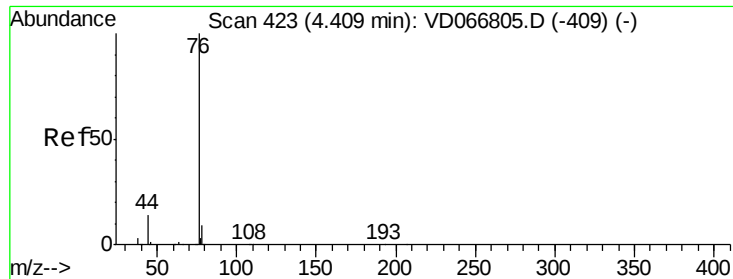
Tgt Ion: 43 Resp: 79695

Ion Ratio Lower Upper

43 100

58 28.2 25.6 38.4





#17

Carbon Disulfide

Concen: 20.349 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

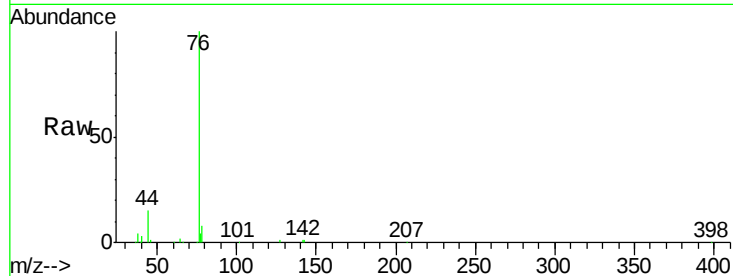
VSTDIC020

Tgt Ion: 76 Resp: 258527

Ion Ratio Lower Upper

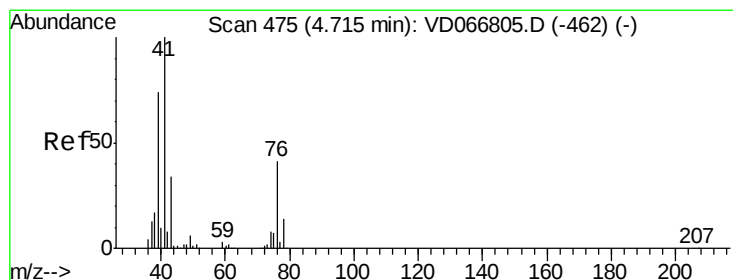
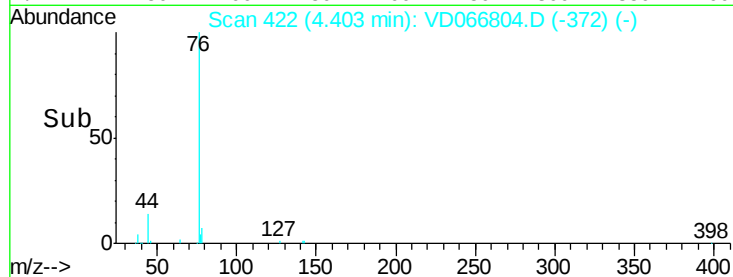
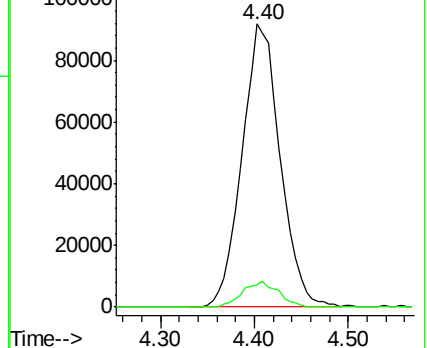
76 100

78 7.7 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 18.764 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066804.D

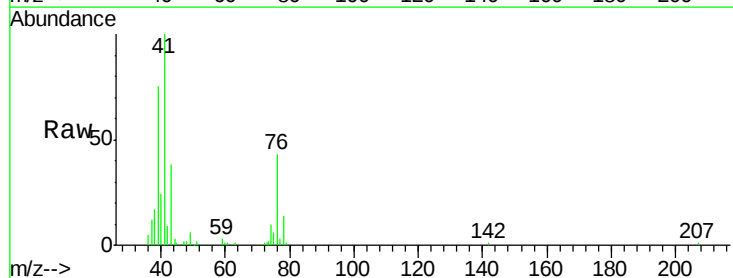
Acq: 22 Sep 2020 11:43

Tgt Ion: 43 Resp: 40220

Ion Ratio Lower Upper

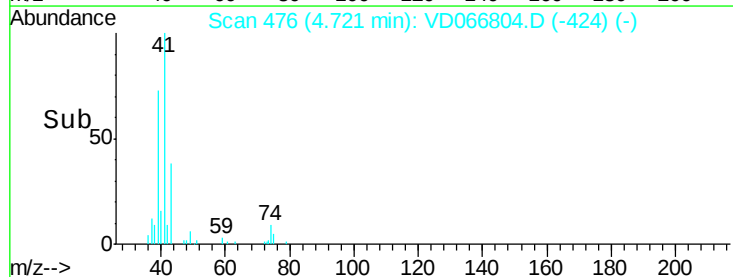
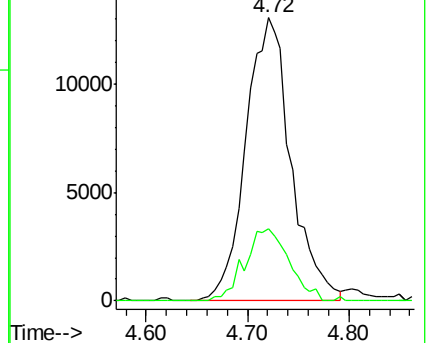
43 100

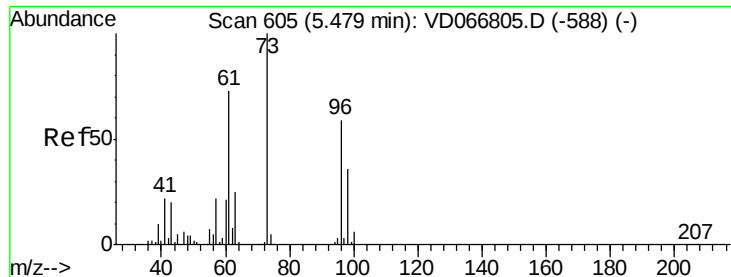
74 25.1 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

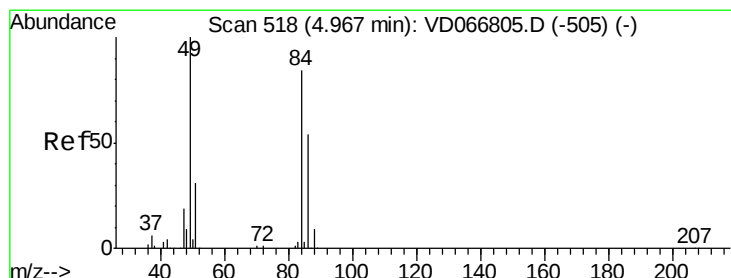
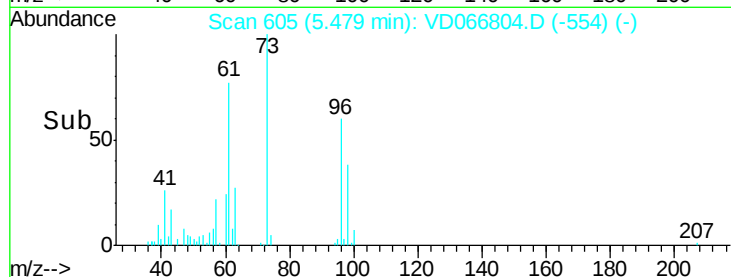
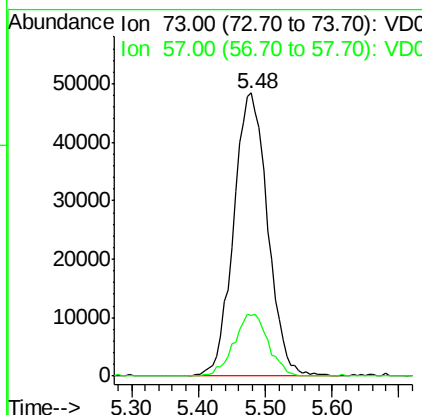
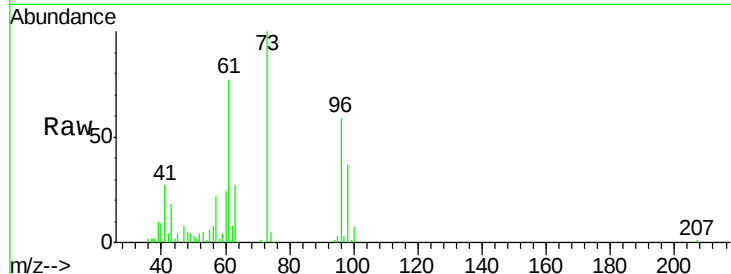




#19
Methyl tert-butyl Ether
Concen: 18.858 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

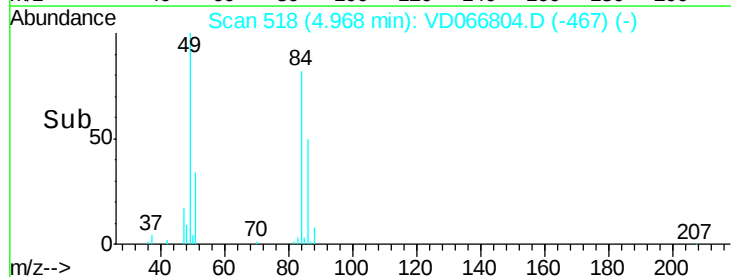
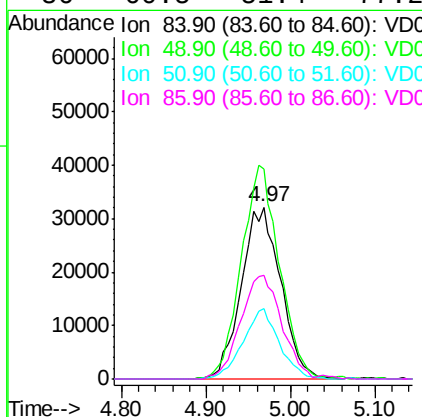
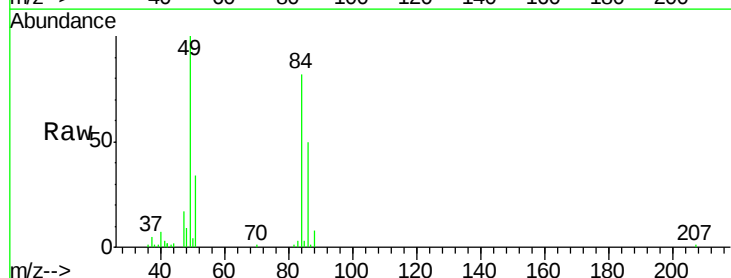
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

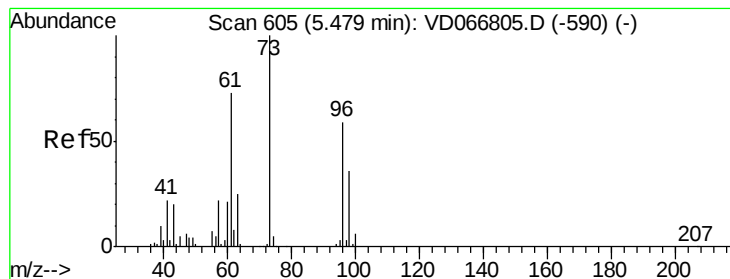
Tgt Ion: 73 Resp: 170689
Ion Ratio Lower Upper
73 100
57 21.6 17.4 26.2



#20
Methylene Chloride
Concen: 17.461 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tgt Ion: 84 Resp: 104389
Ion Ratio Lower Upper
84 100
49 122.1 95.4 143.2
51 41.2 29.7 44.5
86 60.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 19.742 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

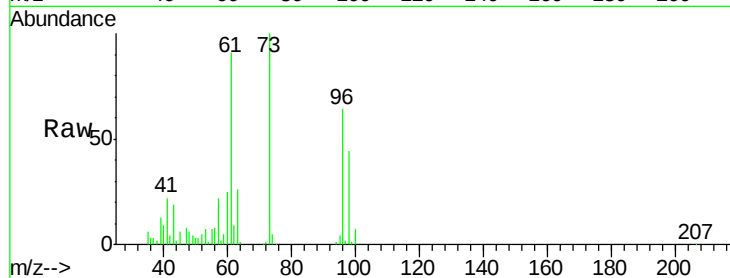
Tgt Ion: 96 Resp: 93410

Ion Ratio Lower Upper

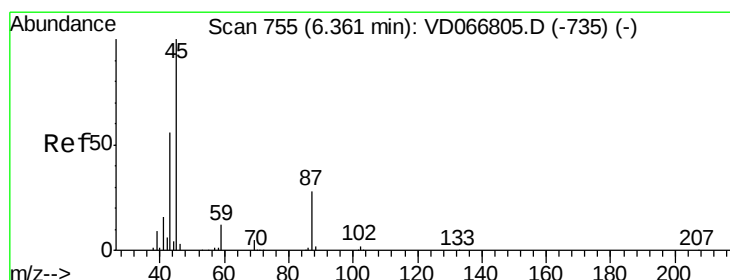
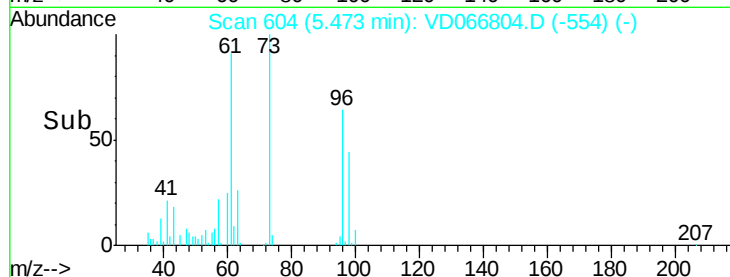
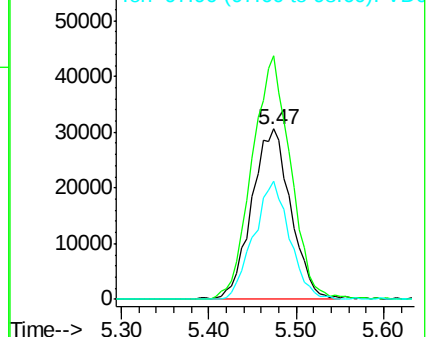
96 100

61 143.0 98.9 148.3

98 69.0 48.4 72.6



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: 19.380 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Tgt Ion: 45 Resp: 254510

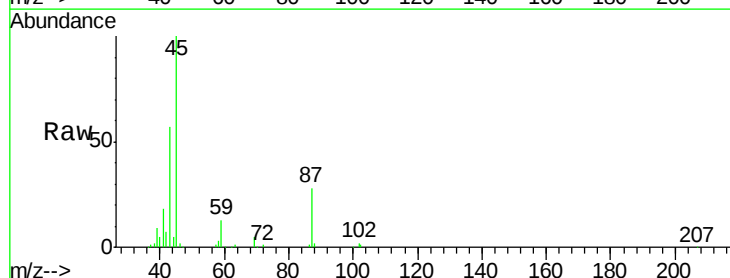
Ion Ratio Lower Upper

45 100

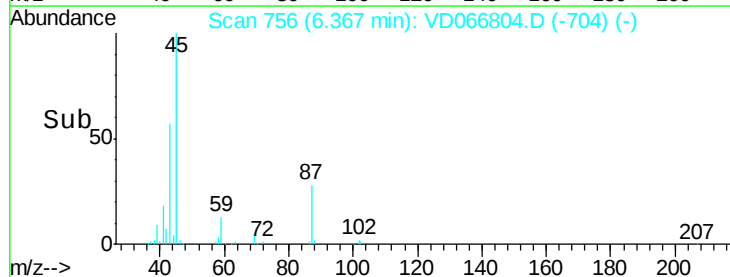
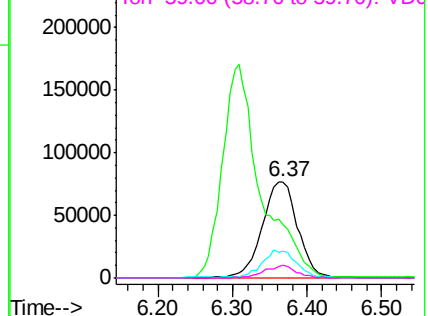
43 55.8 44.5 66.7

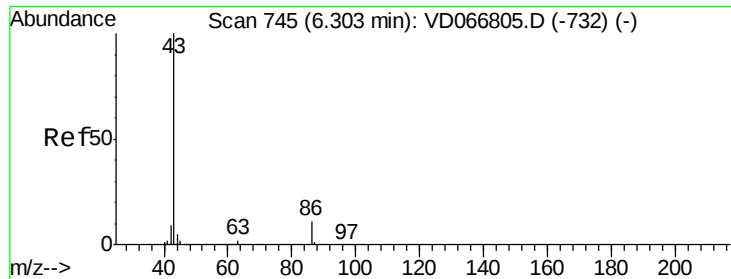
87 27.5 22.9 34.3

59 12.8 9.4 14.0



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: 84.483 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

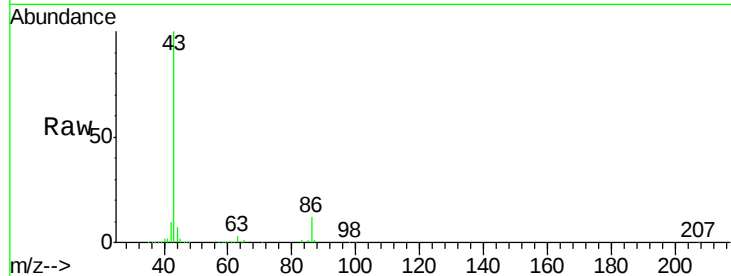
VSTDIC020

Tgt Ion: 43 Resp: 611226

Ion Ratio Lower Upper

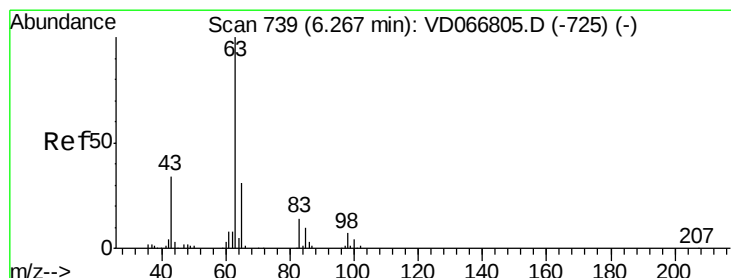
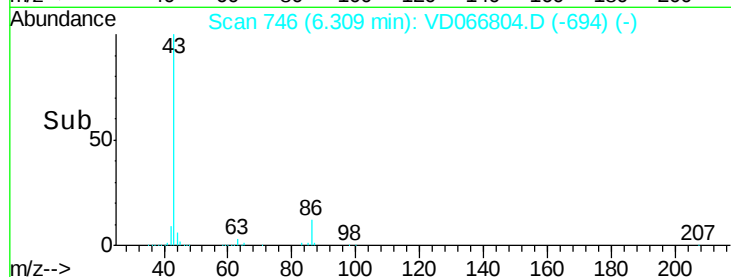
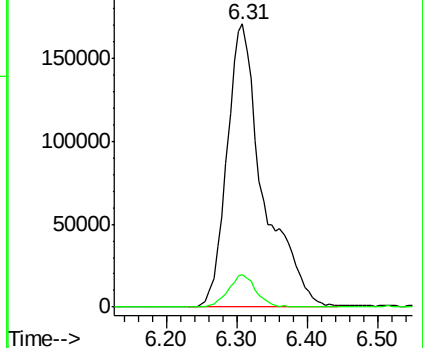
43 100

86 11.7 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.046 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

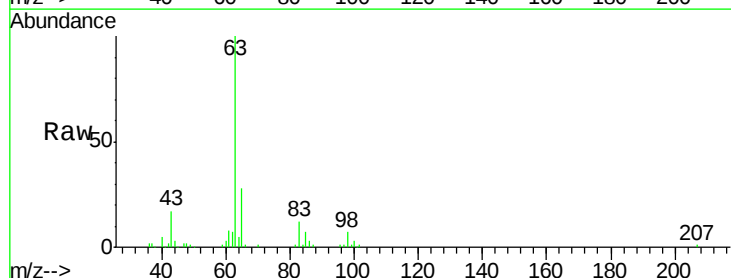
Tgt Ion: 63 Resp: 160090

Ion Ratio Lower Upper

63 100

98 6.8 3.7 11.1

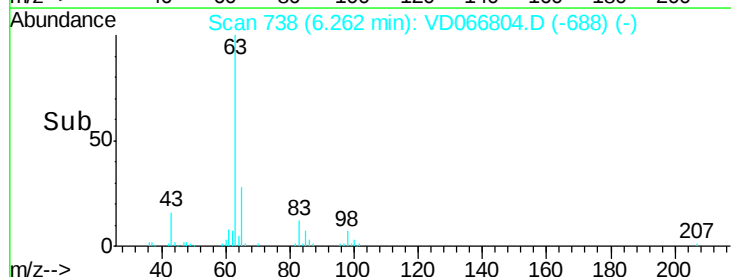
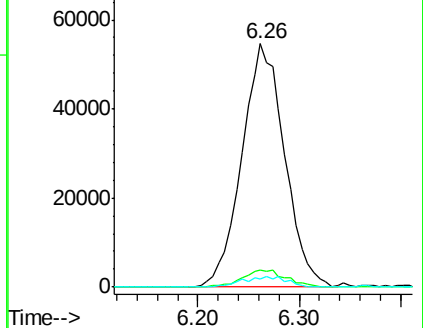
100 3.2 1.8 5.5

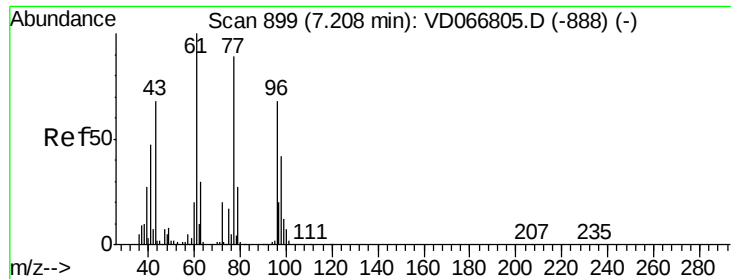


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 90.424 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

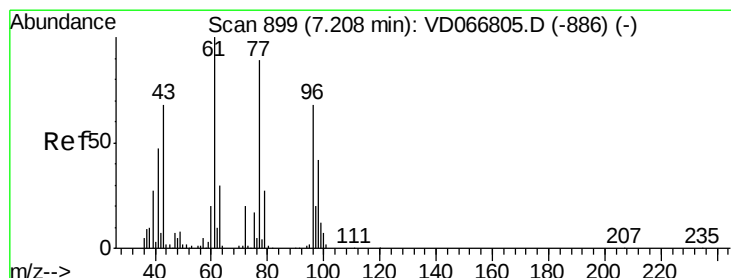
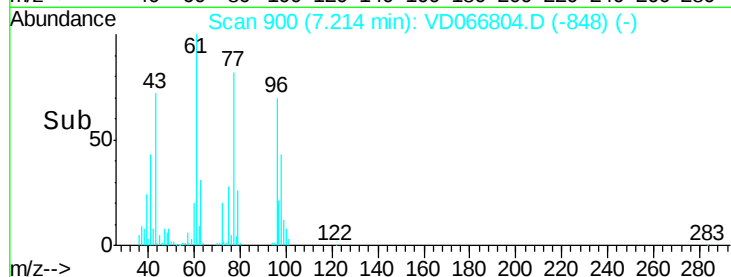
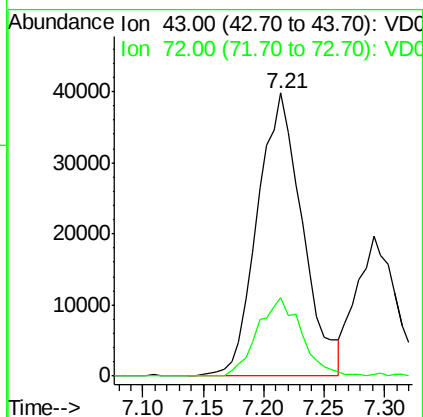
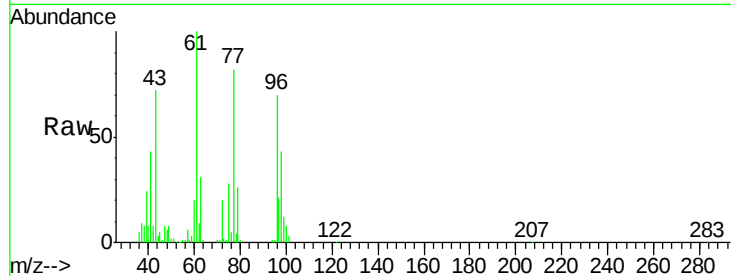
VSTDIC020

Tgt Ion: 43 Resp: 102988

Ion Ratio Lower Upper

43 100

72 27.7 22.9 34.3



#26

2,2-Dichloropropane

Concen: 19.048 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066804.D

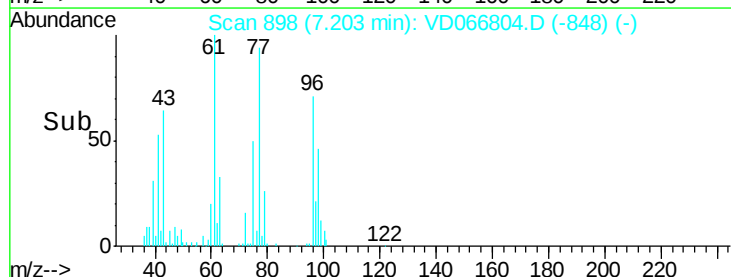
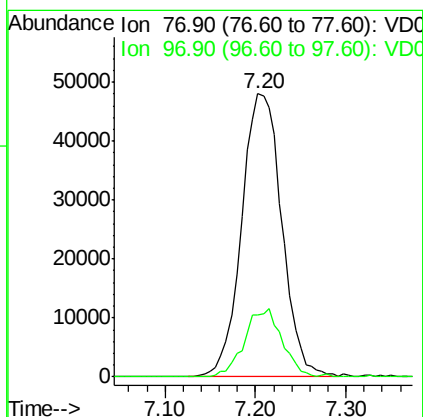
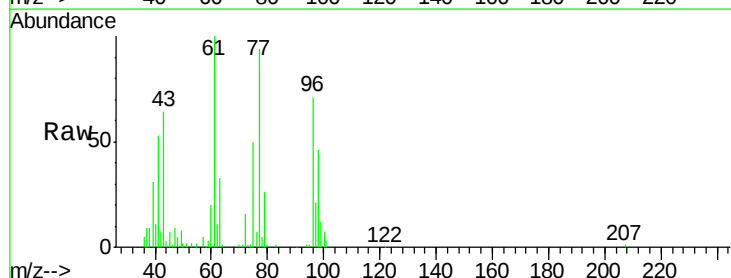
Acq: 22 Sep 2020 11:43

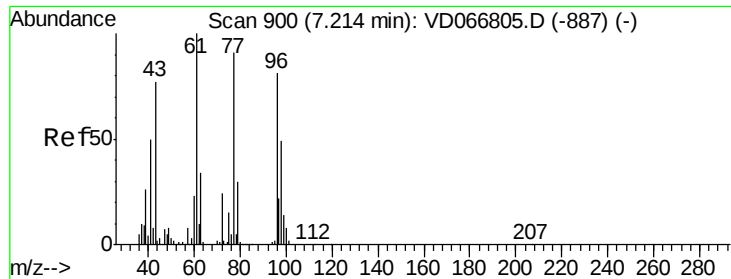
Tgt Ion: 77 Resp: 147525

Ion Ratio Lower Upper

77 100

97 22.4 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 20.168 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

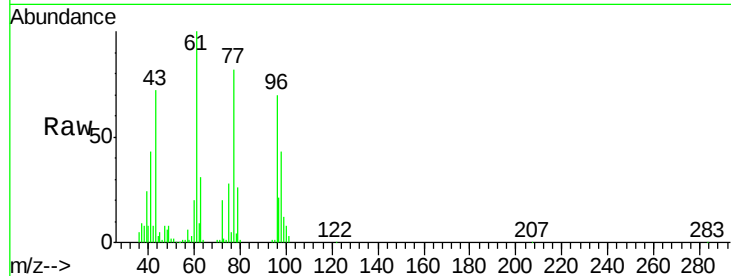
Tgt Ion: 96 Resp: 104370

Ion Ratio Lower Upper

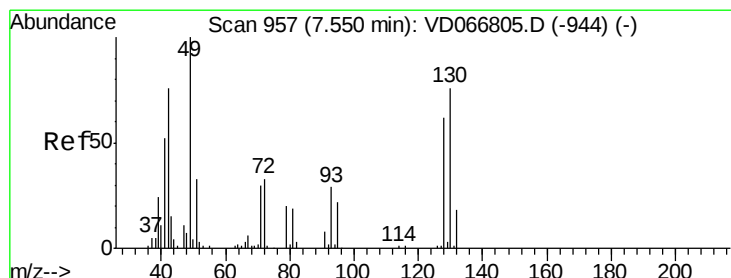
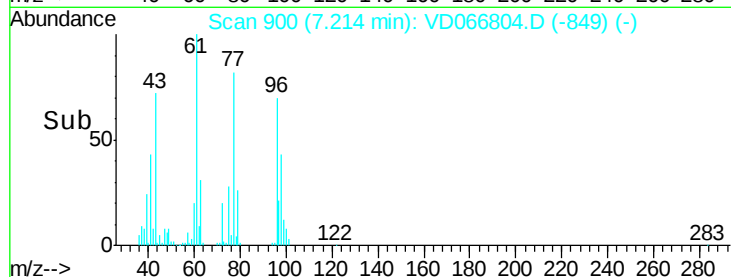
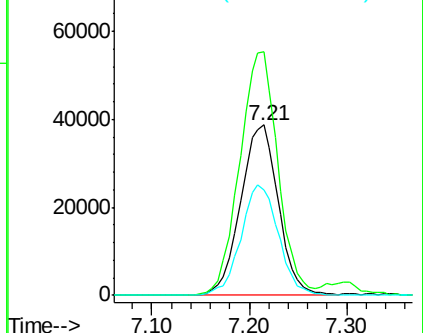
96 100

61 144.4 0.0 283.8

98 64.4 0.0 128.4



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



#28

Bromochloromethane

Concen: 20.009 ug/l

RT: 7.54 min Scan# 956

Delta R.T. -0.01 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

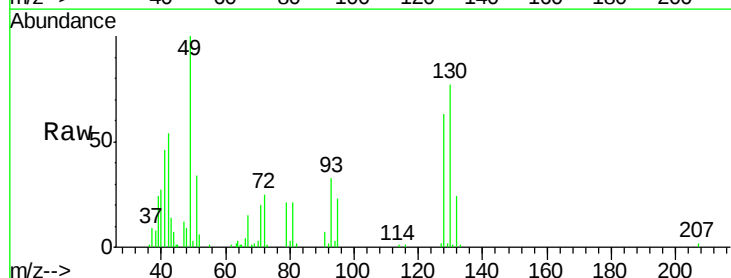
Tgt Ion: 49 Resp: 64537

Ion Ratio Lower Upper

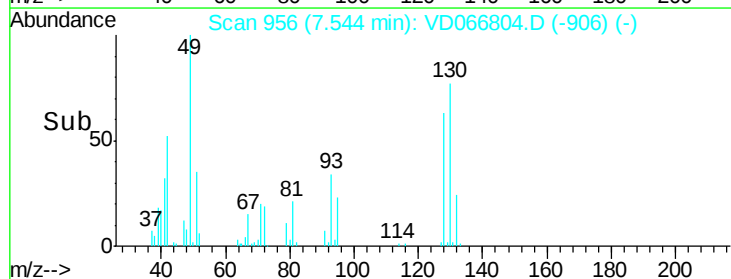
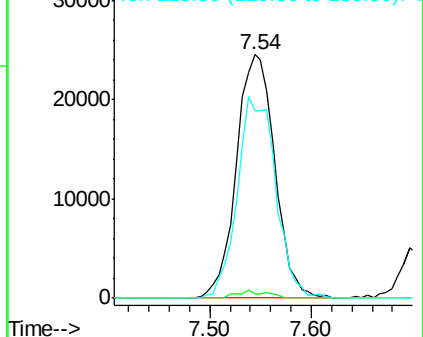
49 100

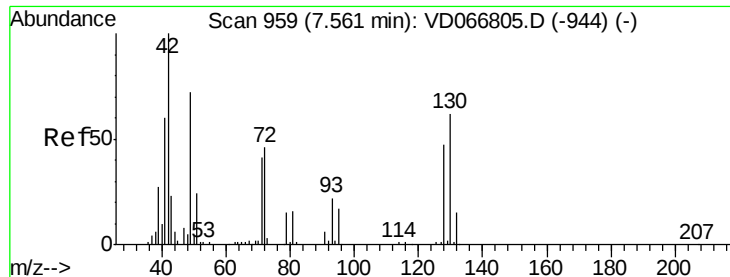
129 2.3 0.0 2.0#

130 82.3 65.9 98.9



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

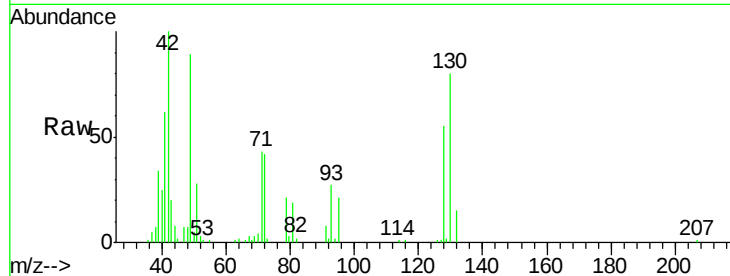




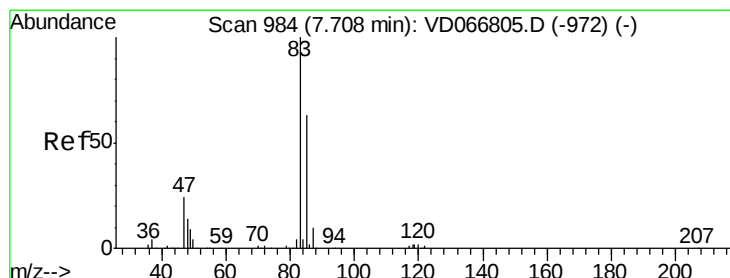
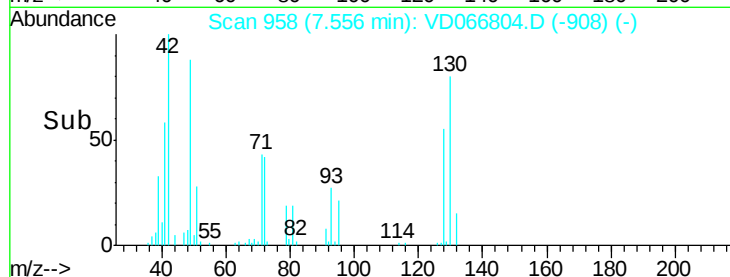
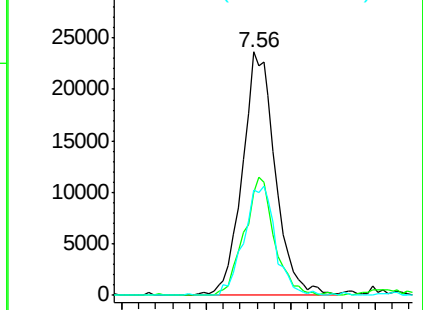
#29
Tetrahydrofuran
Concen: 91.491 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 42 Resp: 63929
Ion Ratio Lower Upper
42 100
72 44.4 36.2 54.4
71 42.7 32.4 48.6

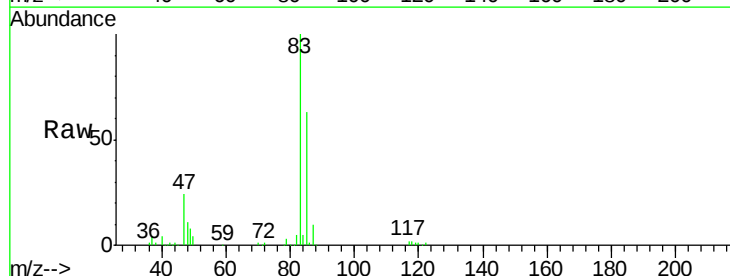


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

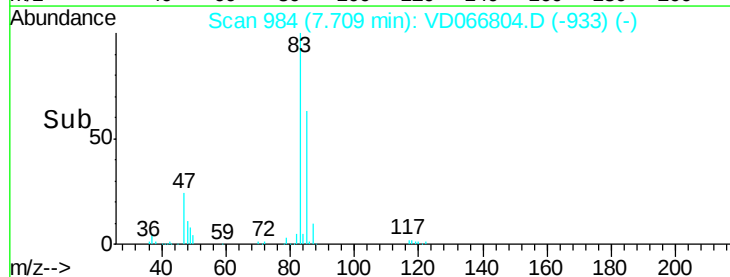
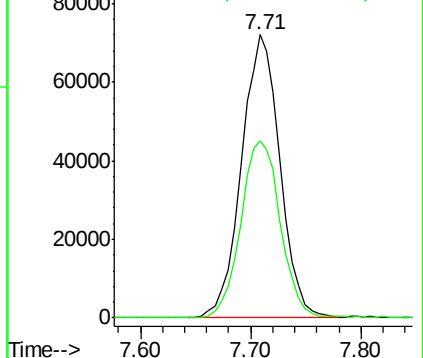


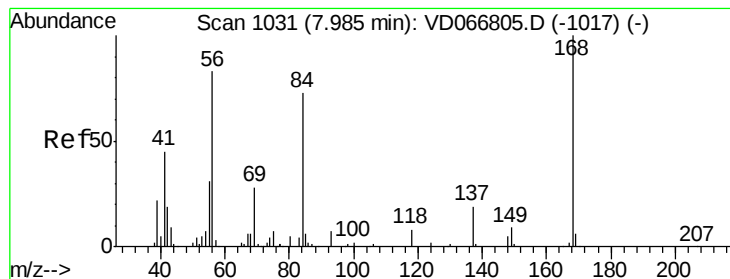
#30
Chloroform
Concen: 19.718 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tgt Ion: 83 Resp: 176130
Ion Ratio Lower Upper
83 100
85 62.8 50.6 75.8



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





#31

Cyclohexane

Concen: 19.581 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

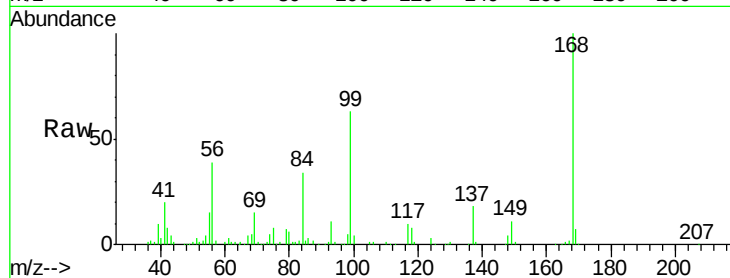
Tgt Ion: 56 Resp: 148683

Ion Ratio Lower Upper

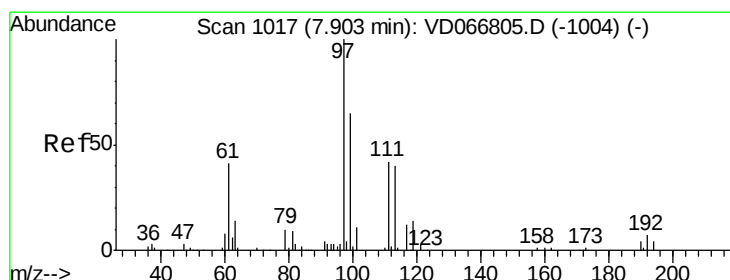
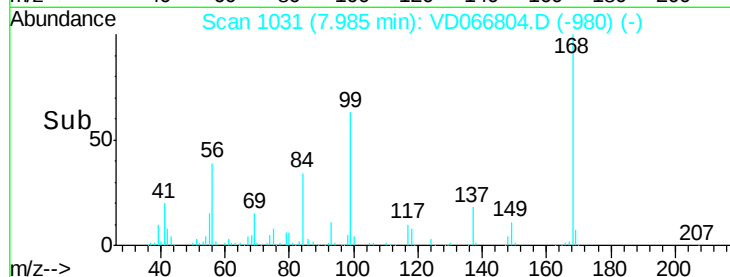
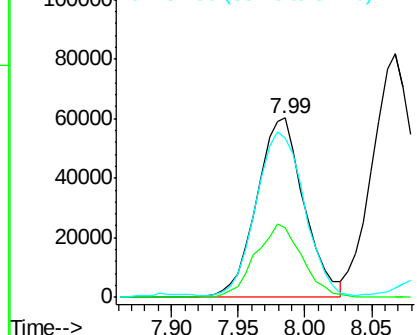
56 100

69 39.0 27.0 40.4

84 87.2 70.2 105.4



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



#32

1,1,1-Trichloroethane

Concen: 19.482 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

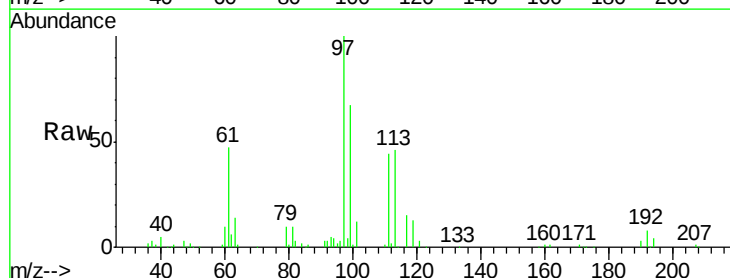
Tgt Ion: 97 Resp: 159200

Ion Ratio Lower Upper

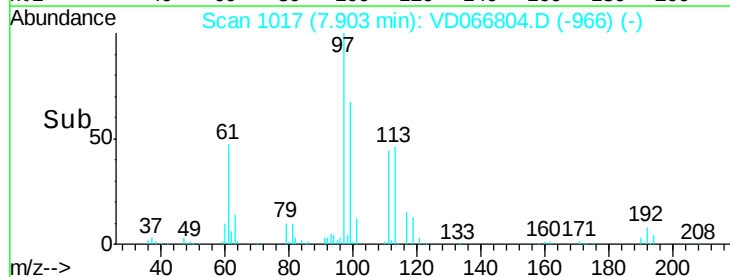
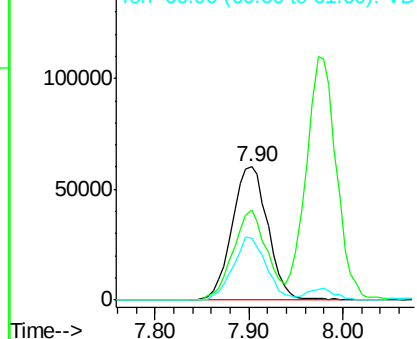
97 100

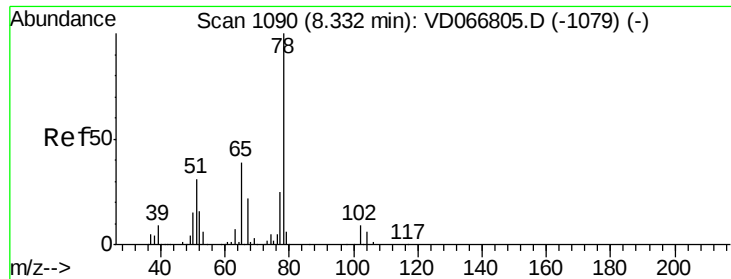
99 64.0 51.5 77.3

61 44.0 34.2 51.4



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





#33

1,2-Dichloroethane-d4

Concen: 18.353 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

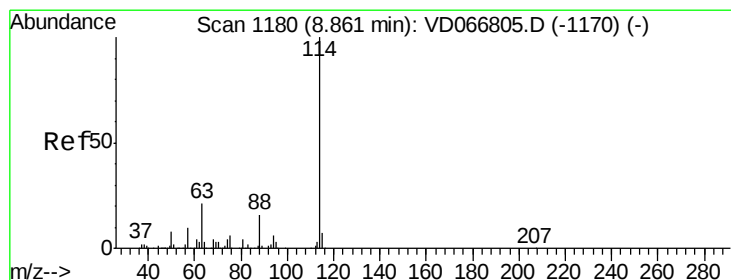
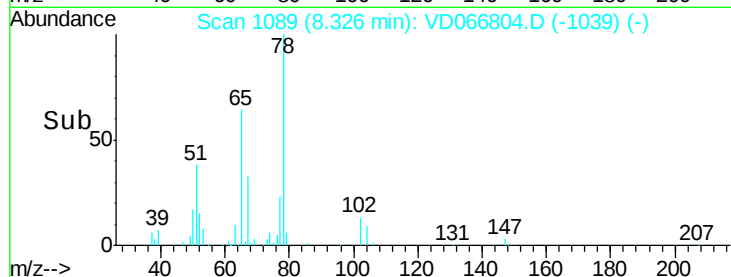
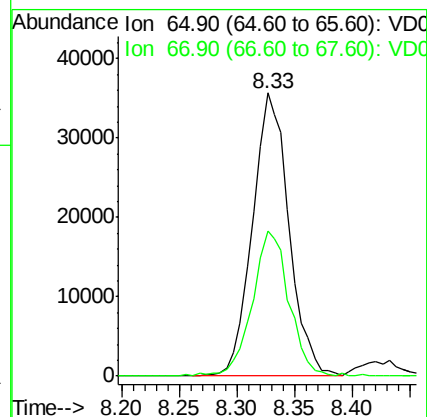
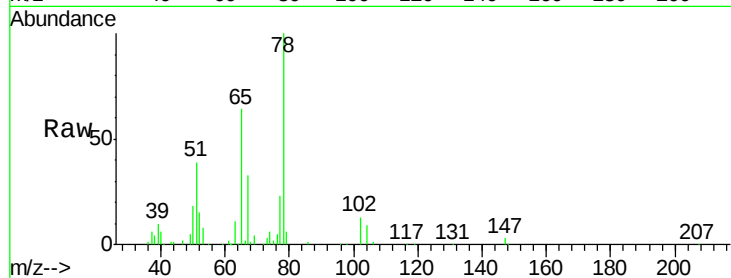
VSTDIC020

Tgt Ion: 65 Resp: 78458

Ion Ratio Lower Upper

65 100

67 51.6 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

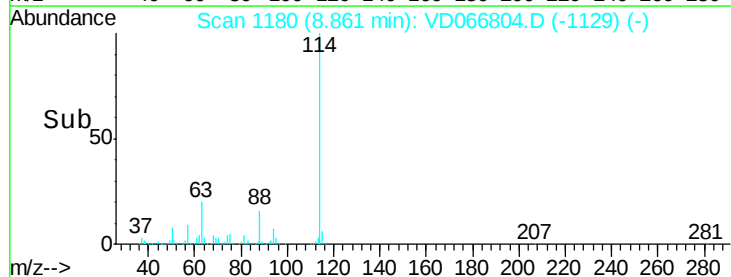
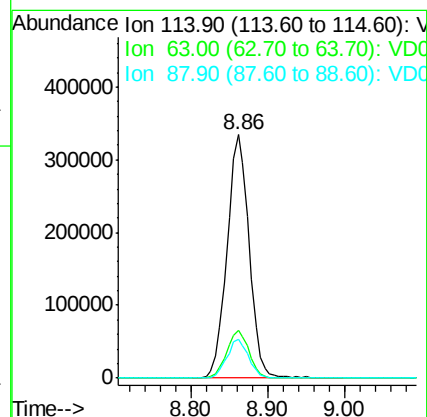
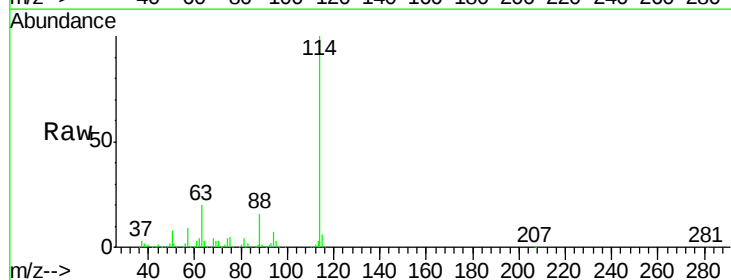
Tgt Ion: 114 Resp: 667244

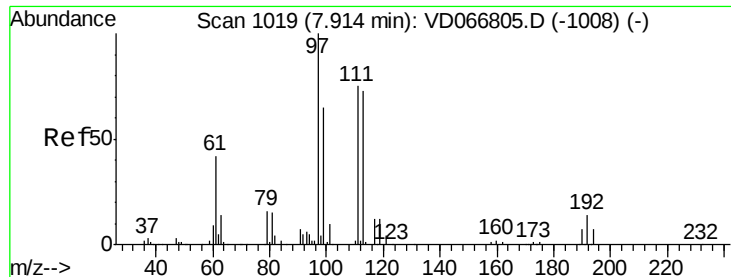
Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.6

88 16.1 0.0 32.6

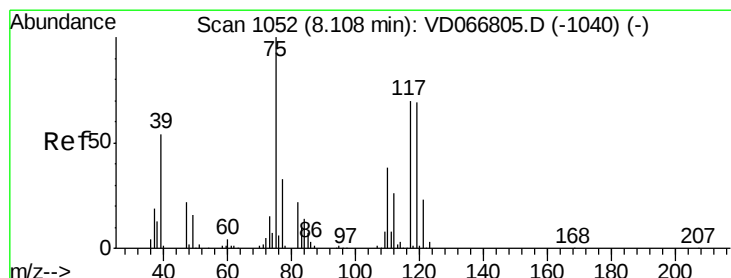
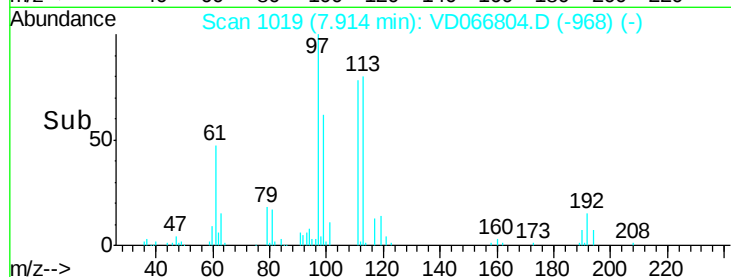
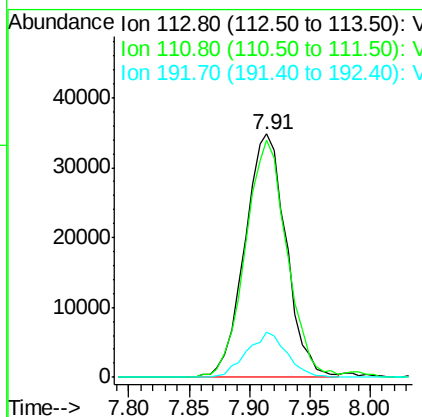
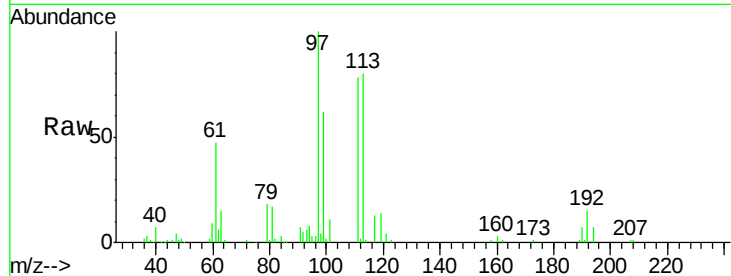




#35
 Dibromofluoromethane
 Concen: 20.200 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

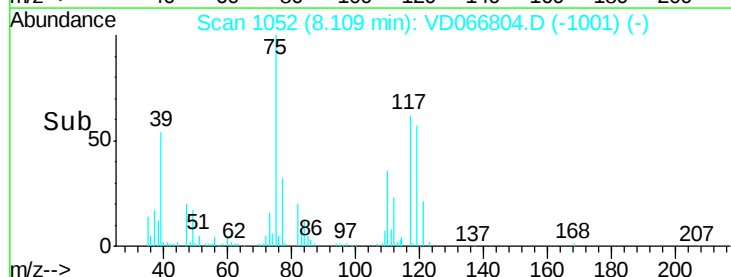
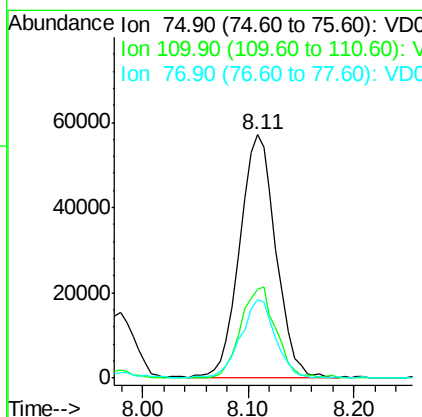
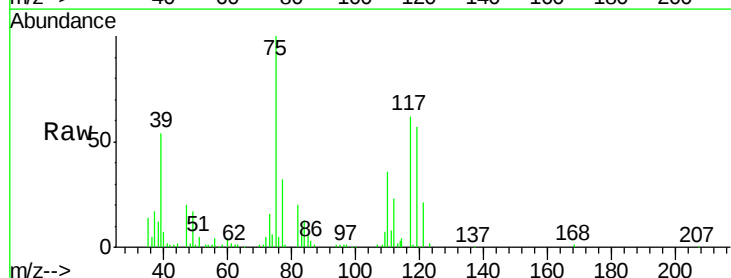
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

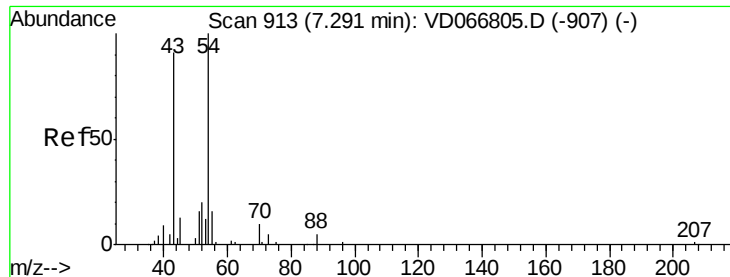
Tgt Ion: 113 Resp: 83049
 Ion Ratio Lower Upper
 113 100
 111 97.6 81.8 122.8
 192 17.9 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 19.725 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

Tgt Ion: 75 Resp: 134821
 Ion Ratio Lower Upper
 75 100
 110 36.6 17.9 53.8
 77 31.5 25.0 37.6

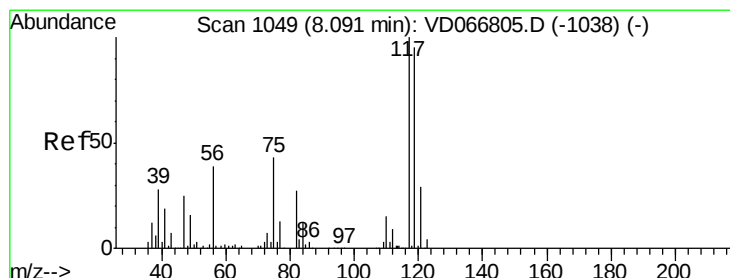
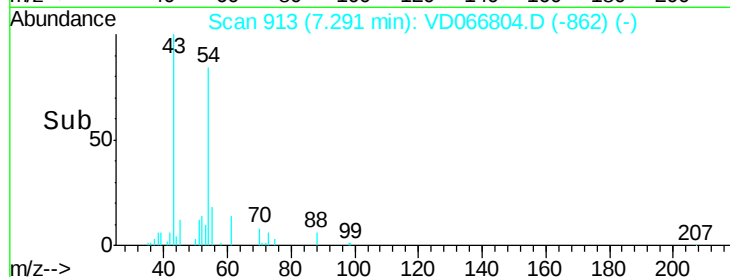
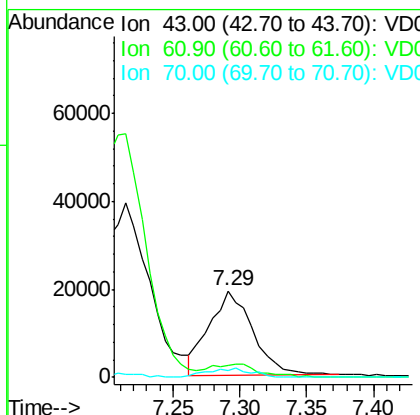
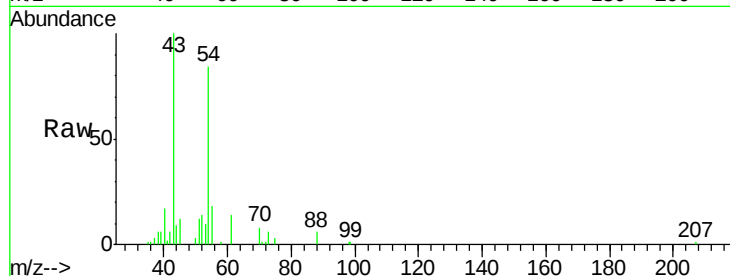




#37
Ethyl Acetate
Concen: 17.104 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

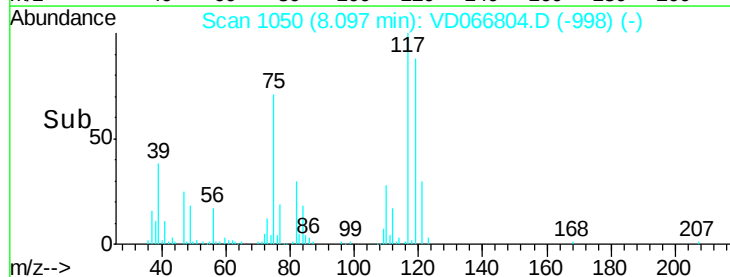
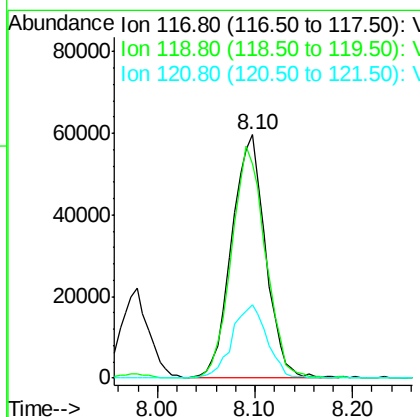
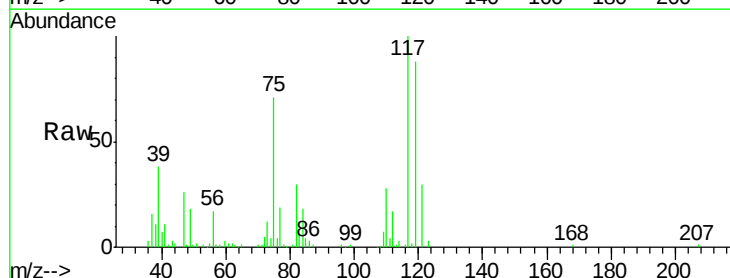
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

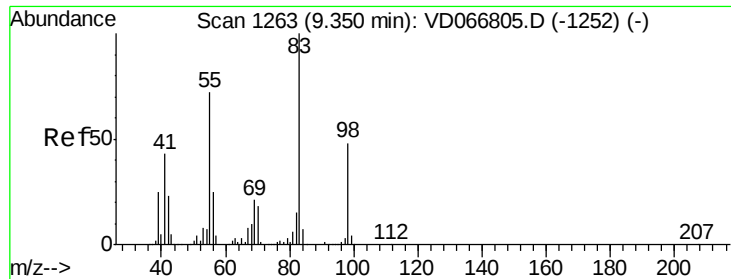
Tgt Ion: 43 Resp: 44213
Ion Ratio Lower Upper
43 100
61 18.2 9.8 14.8#
70 10.6 8.5 12.7



#38
Carbon Tetrachloride
Concen: 19.747 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tgt Ion: 117 Resp: 143679
Ion Ratio Lower Upper
117 100
119 87.9 75.8 113.8
121 30.4 23.4 35.0

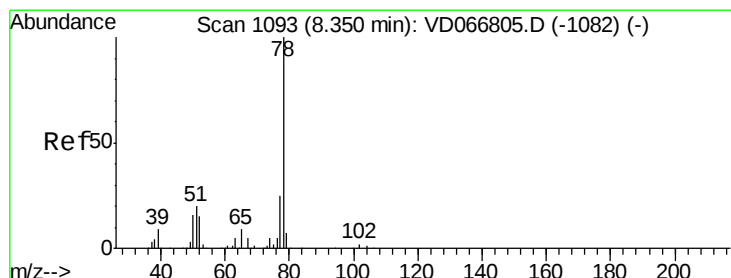
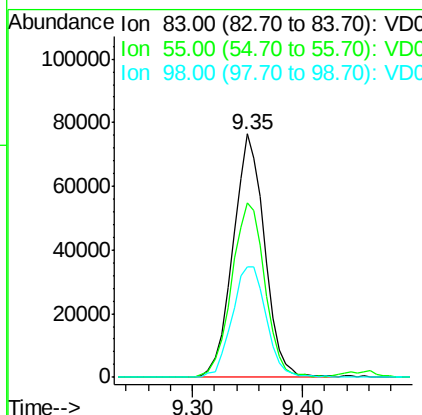
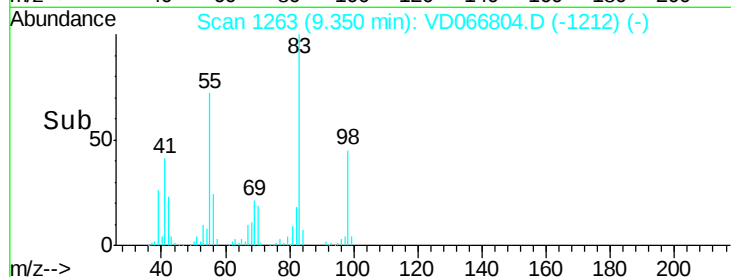
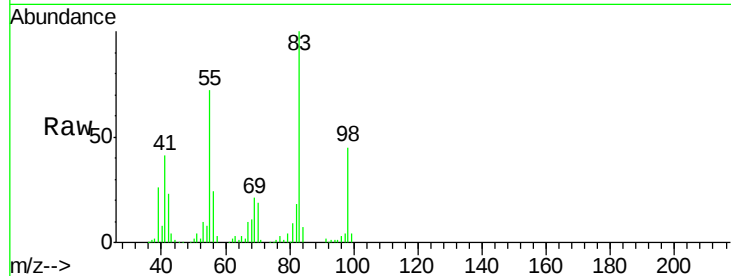




#39
Methylcyclohexane
Concen: 19.649 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

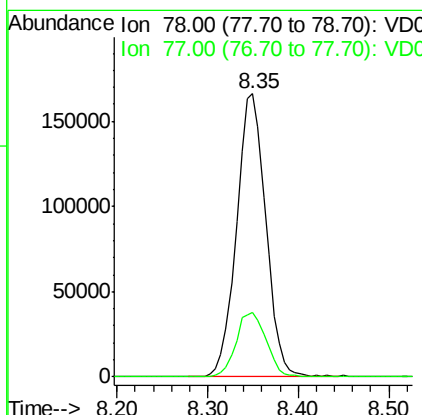
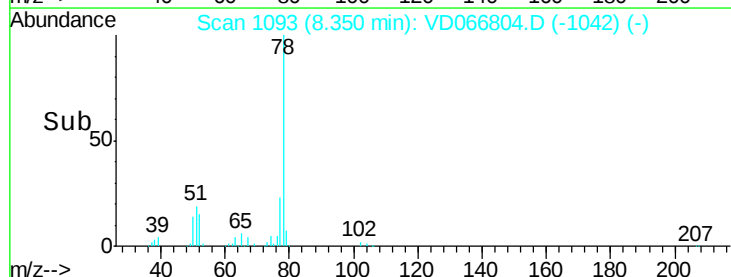
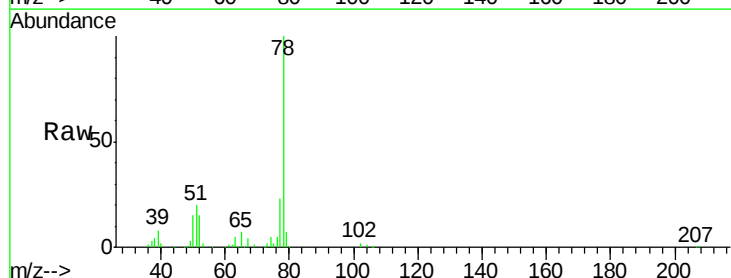
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

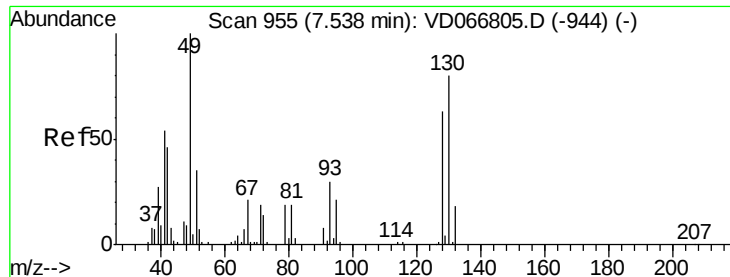
Tgt Ion: 83 Resp: 153579
Ion Ratio Lower Upper
83 100
55 71.2 57.7 86.5
98 45.4 38.4 57.6



#40
Benzene
Concen: 20.113 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tgt Ion: 78 Resp: 373879
Ion Ratio Lower Upper
78 100
77 22.8 19.9 29.9





#41

Methacrylonitrile

Concen: 25.747 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 35964

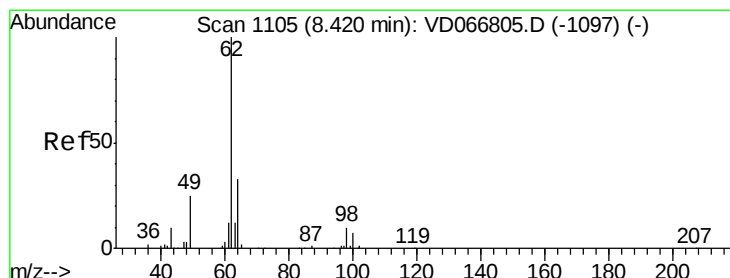
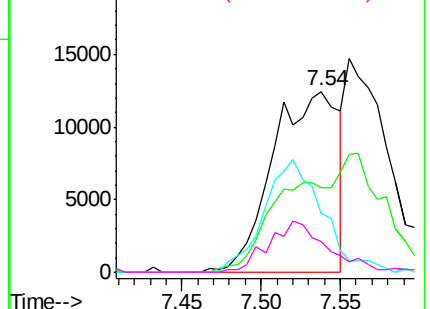
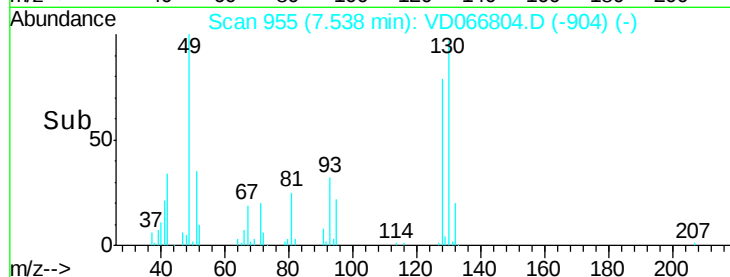
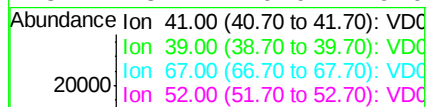
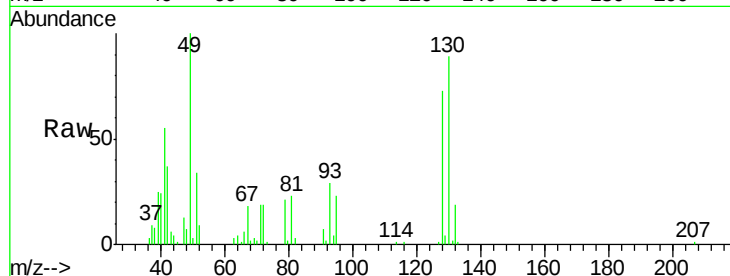
Ion Ratio Lower Upper

41 100

39 42.0 0.0 0.0#

67 55.4 0.0 0.0#

52 25.1 0.0 0.0#



#42

1,2-Dichloroethane

Concen: 19.450 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VD066804.D

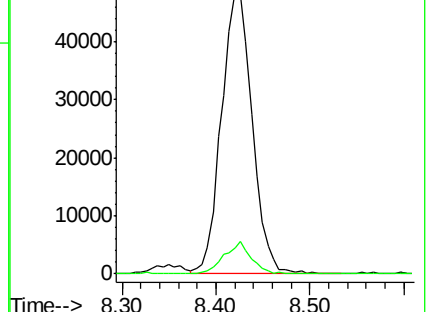
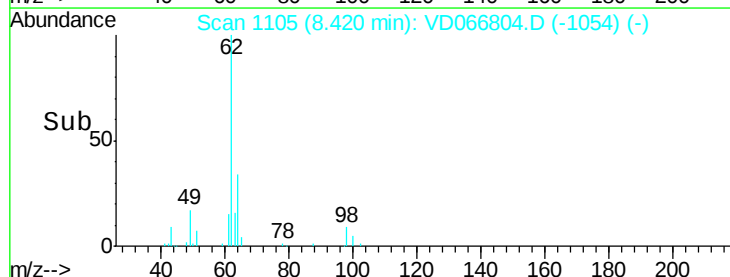
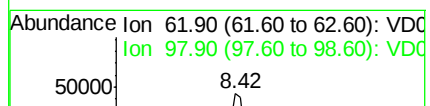
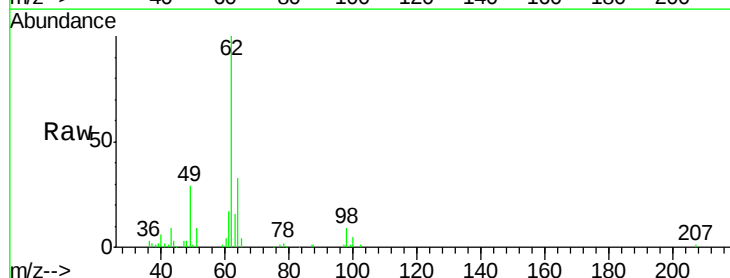
Acq: 22 Sep 2020 11:43

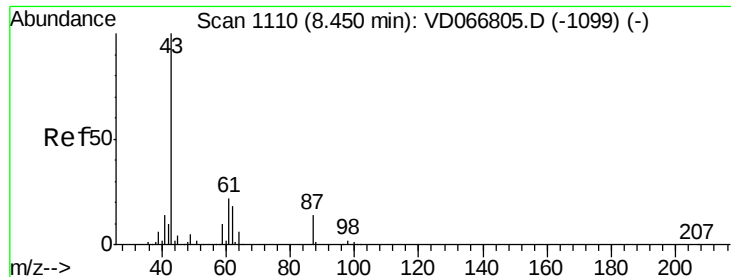
Tgt Ion: 62 Resp: 110935

Ion Ratio Lower Upper

62 100

98 10.0 0.0 19.8





#43

Isopropyl Acetate

Concen: 18.298 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

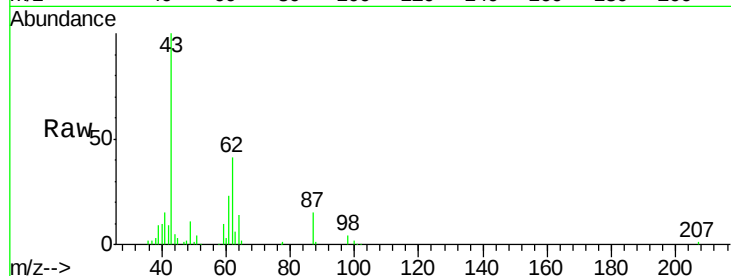
Tgt Ion: 43 Resp: 89233

Ion Ratio Lower Upper

43 100

61 32.3 26.2 39.4

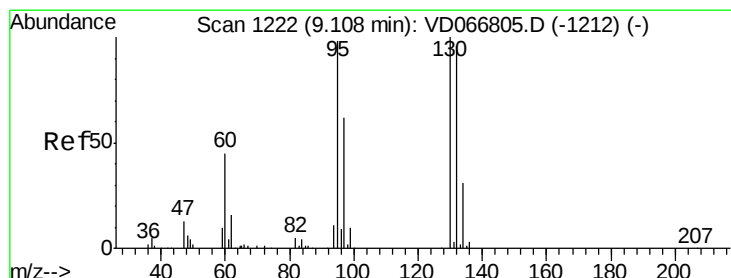
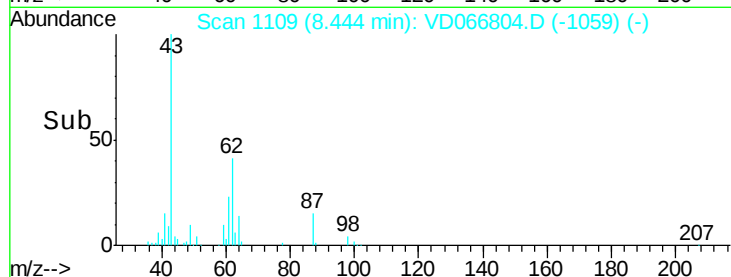
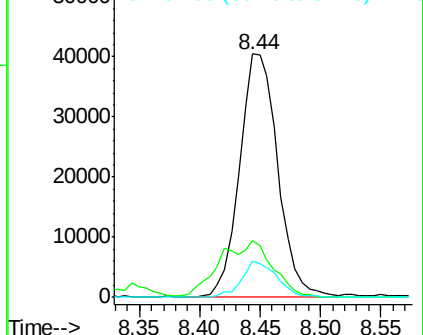
87 13.6 11.5 17.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.748 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD066804.D

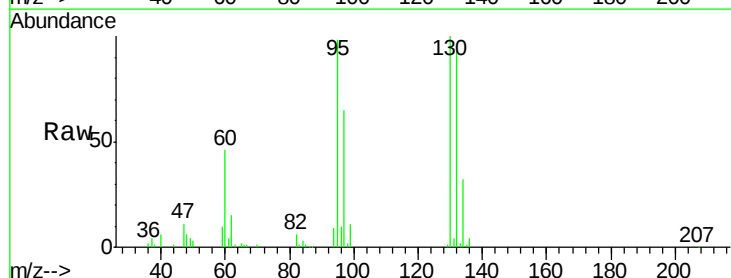
Acq: 22 Sep 2020 11:43

Tgt Ion: 130 Resp: 103963

Ion Ratio Lower Upper

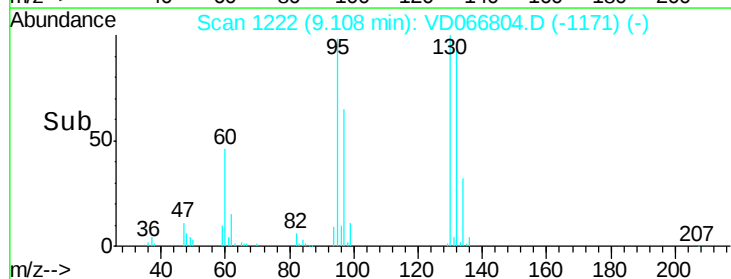
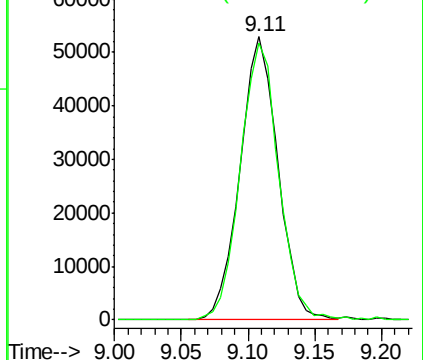
130 100

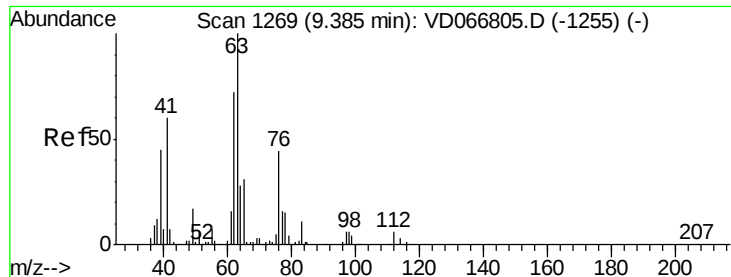
95 98.0 0.0 197.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

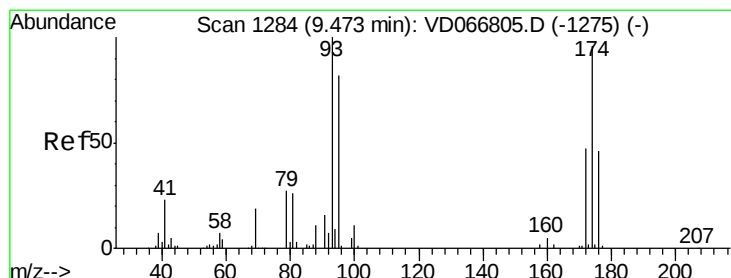
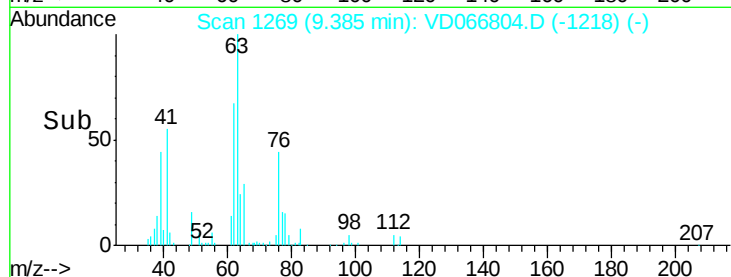
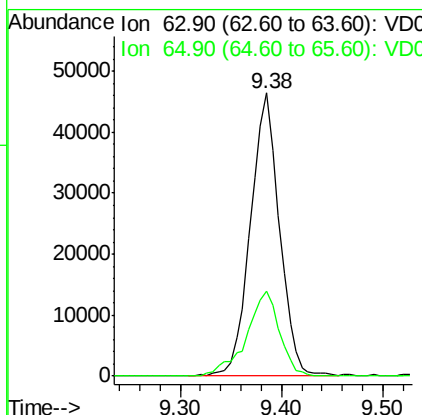
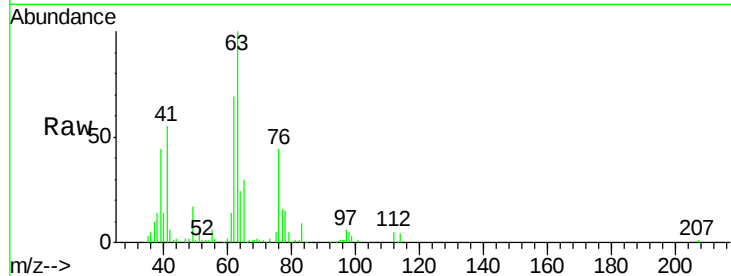




#45
 1,2-Dichloropropane
 Concen: 19.978 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

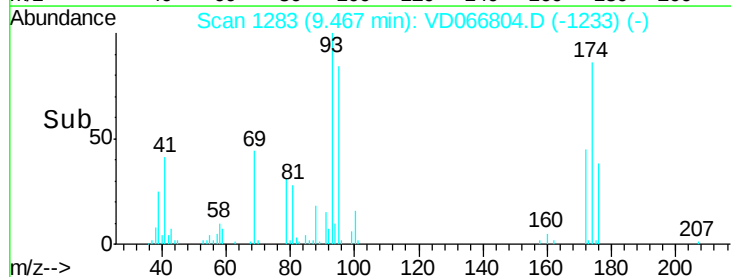
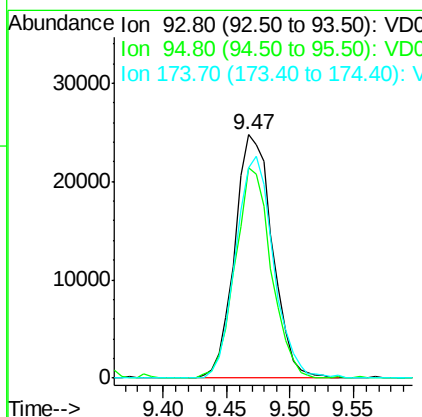
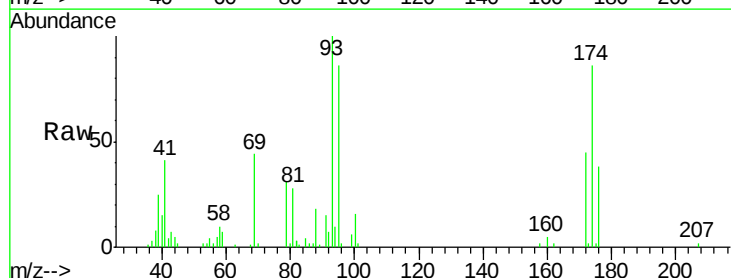
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

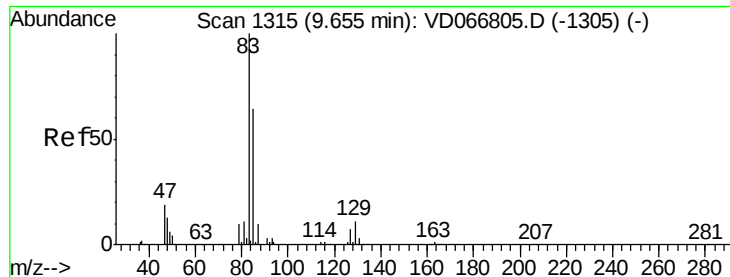
Tgt Ion: 63 Resp: 92195
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.7 37.1



#46
 Dibromomethane
 Concen: 20.092 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

Tgt Ion: 93 Resp: 51066
 Ion Ratio Lower Upper
 93 100
 95 82.6 65.3 97.9
 174 91.4 75.4 113.2





#47

Bromodichloromethane

Concen: 19.922 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

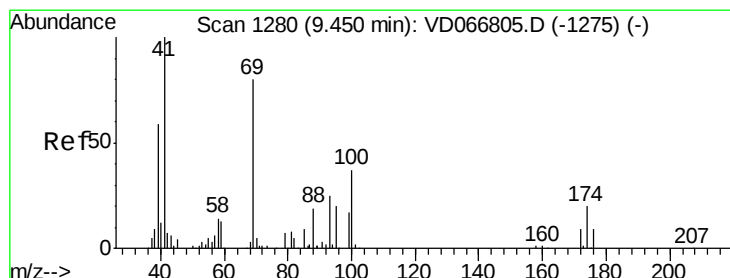
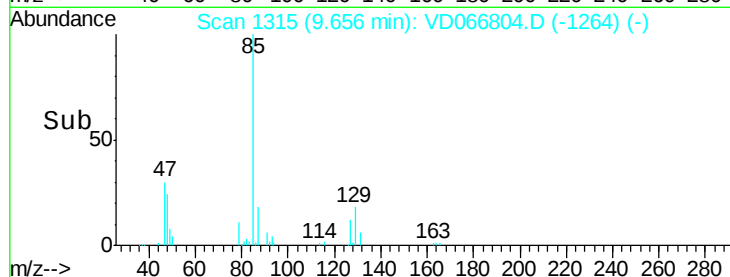
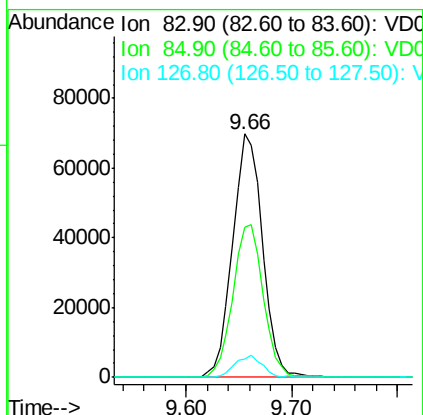
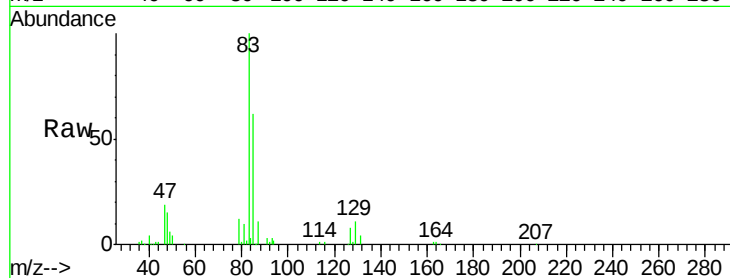
Tgt Ion: 83 Resp: 136893

Ion Ratio Lower Upper

83 100

85 61.6 50.9 76.3

127 7.6 5.9 8.9



#48

Methyl methacrylate

Concen: 17.410 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.01 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

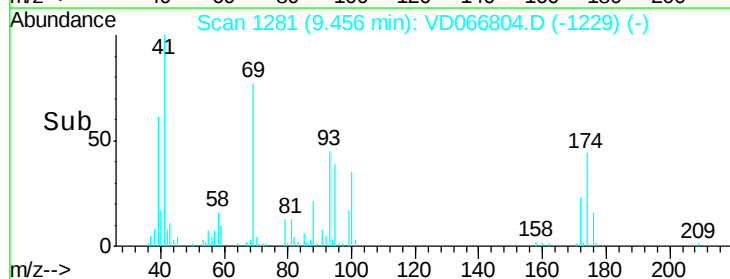
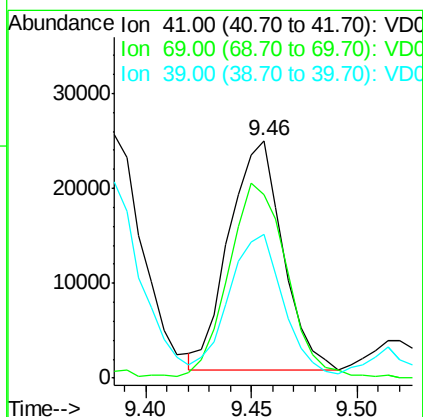
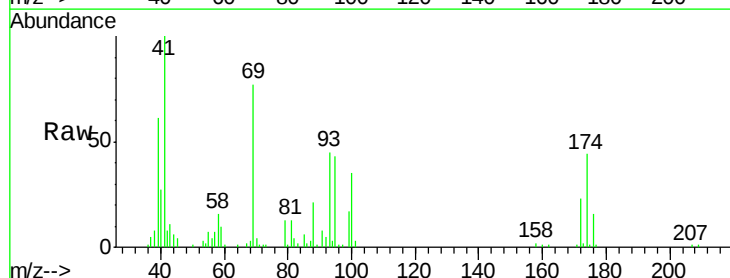
Tgt Ion: 41 Resp: 42488

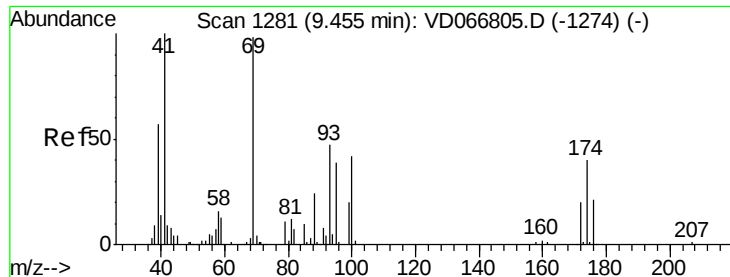
Ion Ratio Lower Upper

41 100

69 93.5 74.5 111.7

39 60.3 47.0 70.6

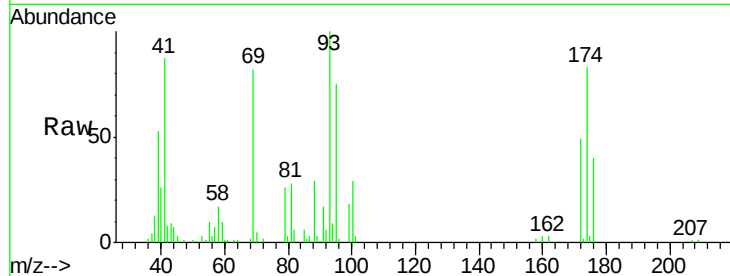




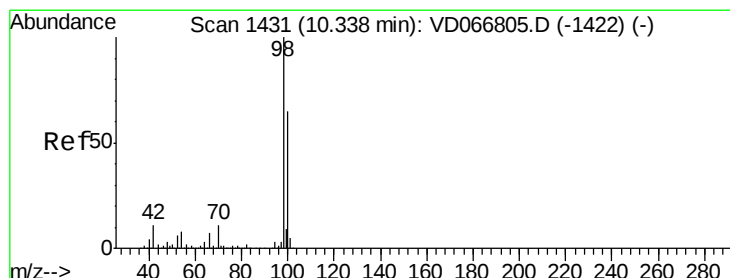
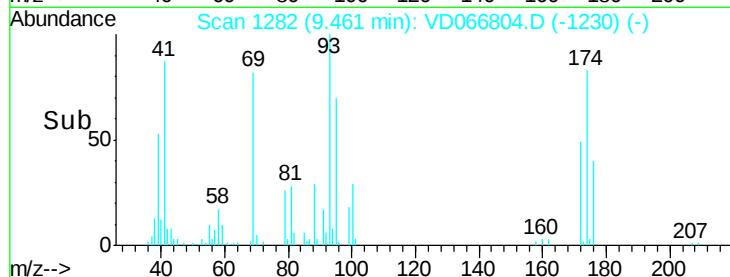
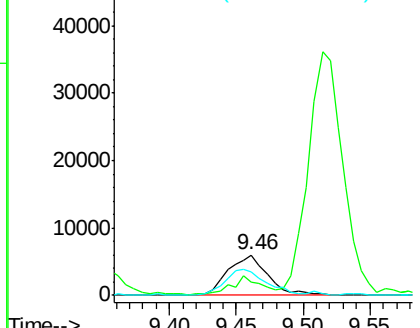
#49
1,4-Dioxane
Concen: 457.571 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.01 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 88 Resp: 12480
Ion Ratio Lower Upper
88 100
43 36.0 27.7 41.5
58 66.5 55.5 83.3

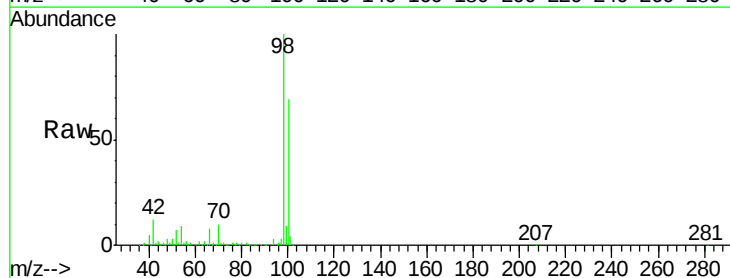


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

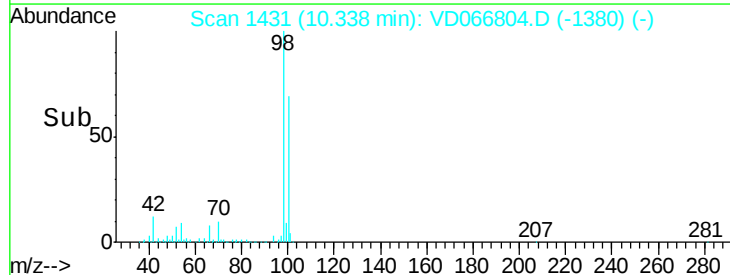
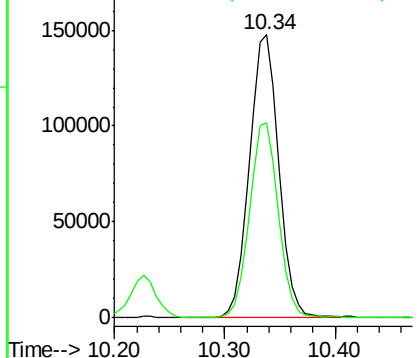


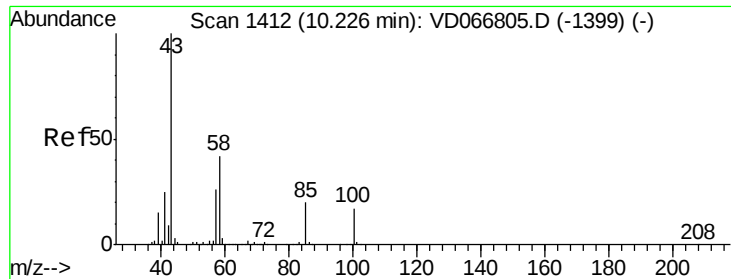
#50
Toluene-d8
Concen: 19.007 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tgt Ion: 98 Resp: 275985
Ion Ratio Lower Upper
98 100
100 67.6 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 88.328 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

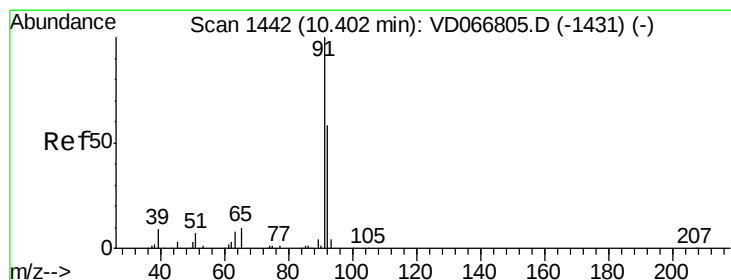
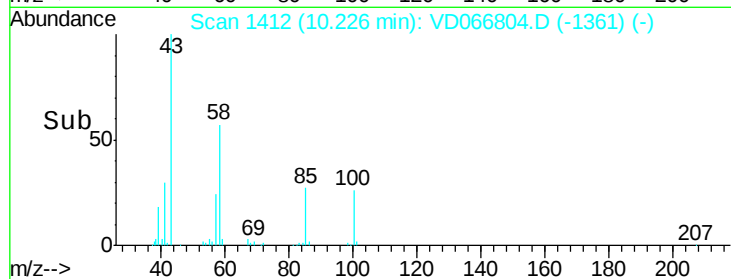
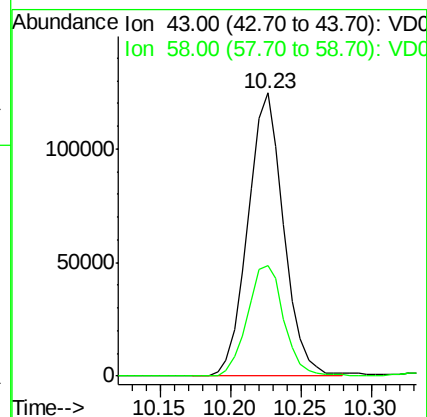
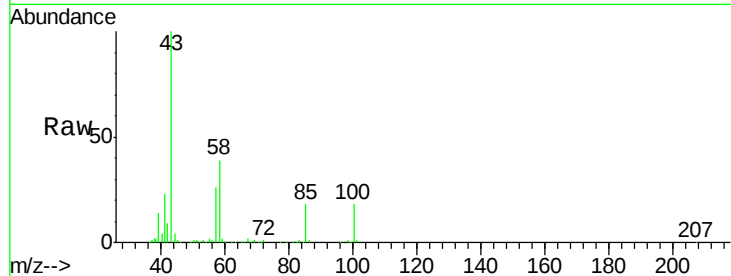
VSTDIC020

Tgt Ion: 43 Resp: 221587

Ion Ratio Lower Upper

43 100

58 40.1 32.2 48.4



#52

Toluene

Concen: 20.239 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066804.D

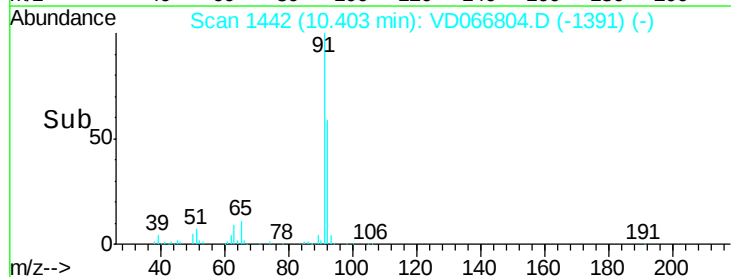
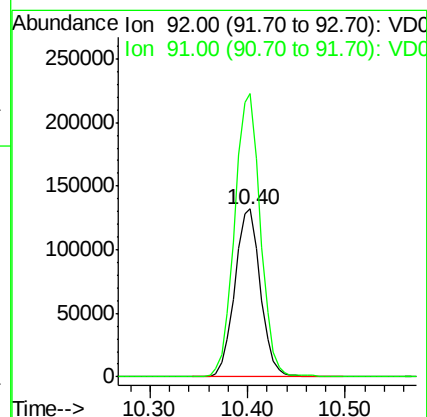
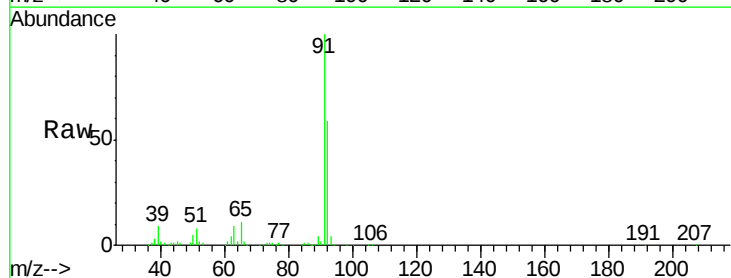
Acq: 22 Sep 2020 11:43

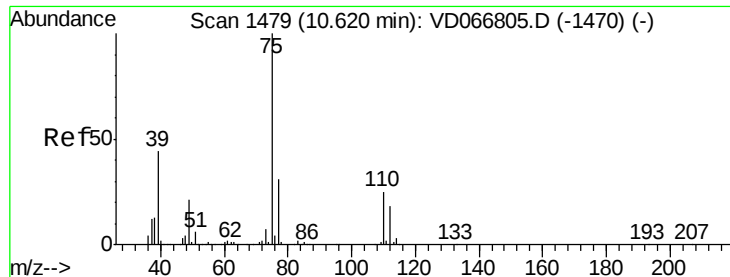
Tgt Ion: 92 Resp: 241101

Ion Ratio Lower Upper

92 100

91 169.6 134.6 202.0





#53

t-1,3-Dichloropropene

Concen: 18.453 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

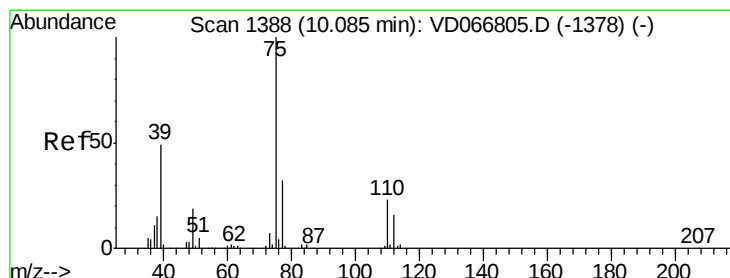
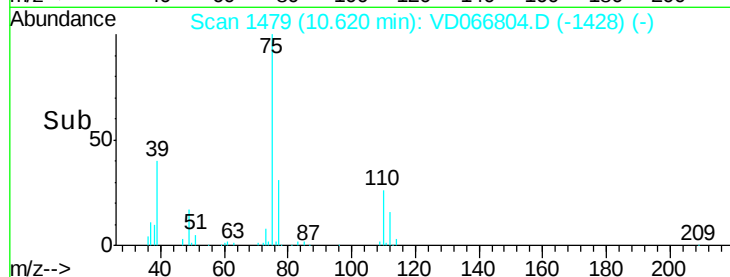
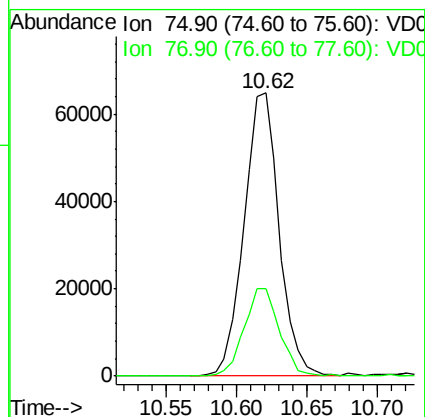
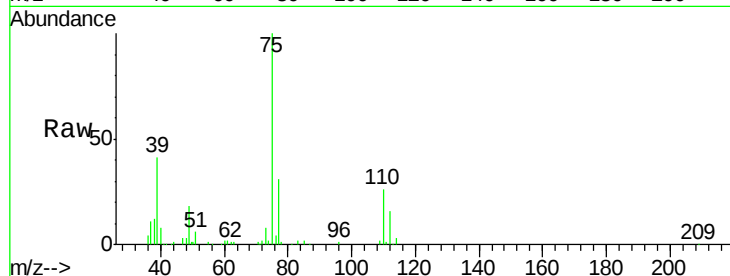
VSTDIC020

Tgt Ion: 75 Resp: 112882

Ion Ratio Lower Upper

75 100

77 31.0 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 19.108 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

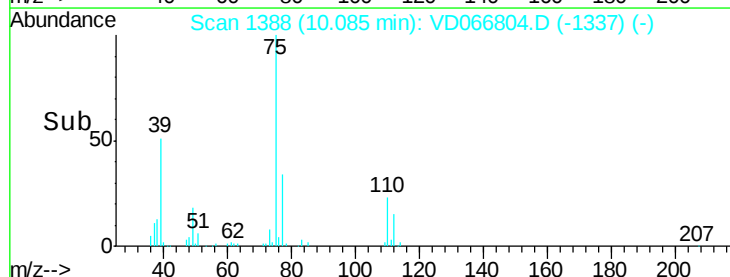
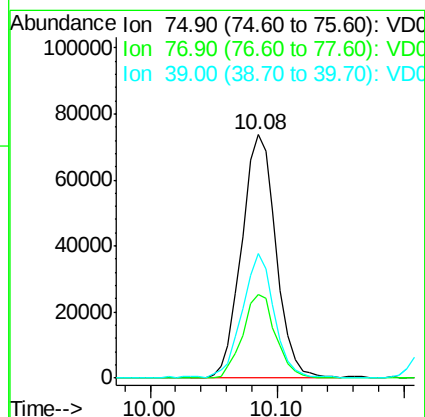
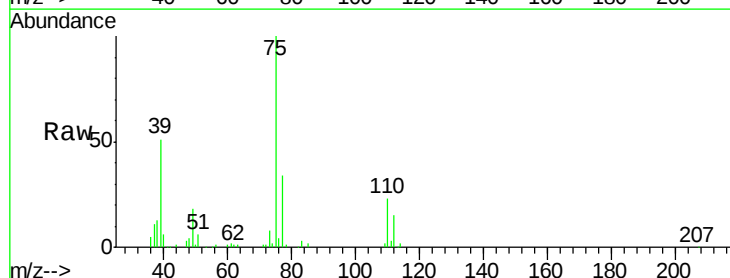
Tgt Ion: 75 Resp: 138855

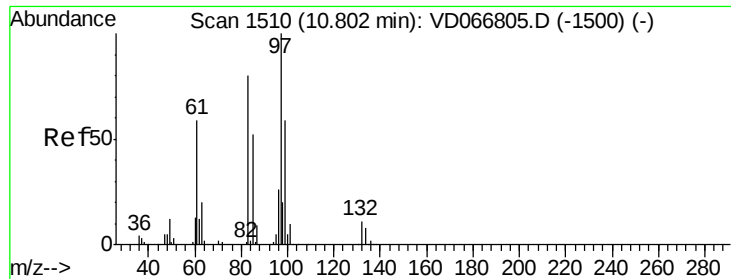
Ion Ratio Lower Upper

75 100

77 34.2 25.6 38.4

39 50.8 39.2 58.8

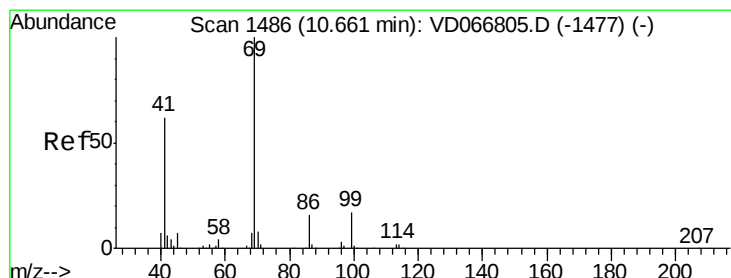
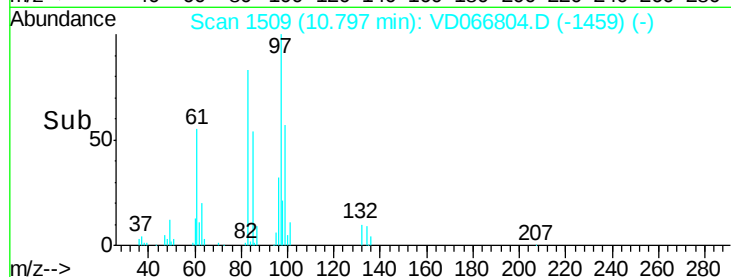
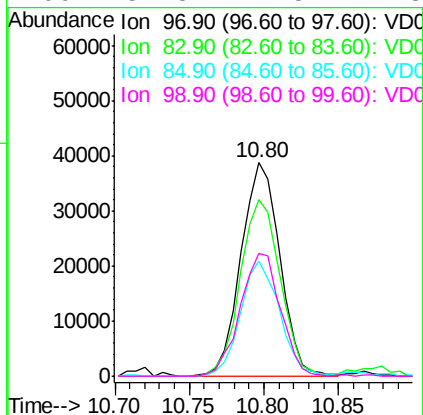
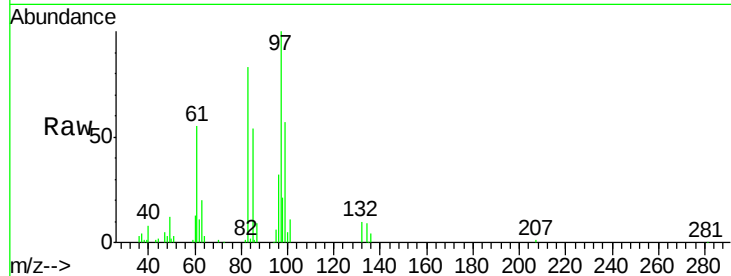




#55
 1,1,2-Trichloroethane
 Concen: 20.738 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

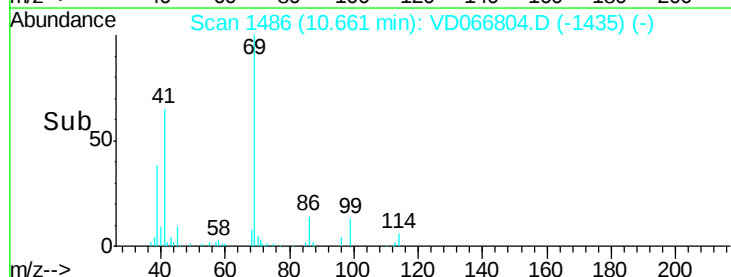
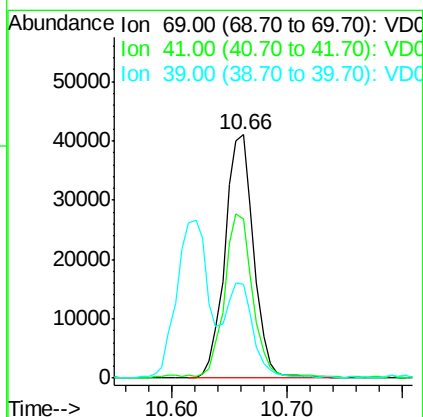
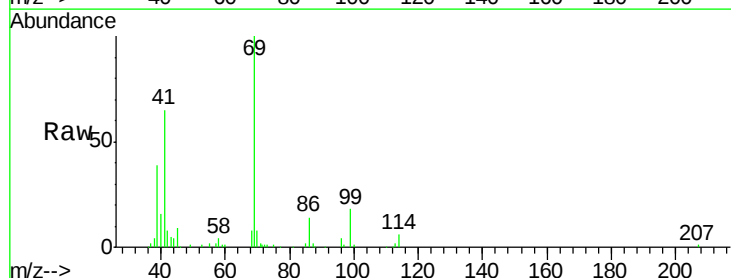
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

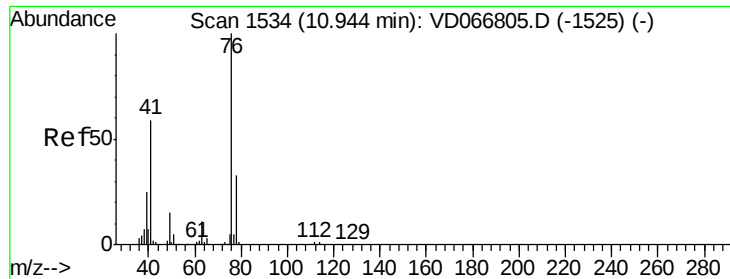
Tgt Ion:	97	Resp:	69832
Ion	Ratio	Lower	Upper
97	100		
83	83.0	64.2	96.2
85	53.9	41.9	62.9
99	57.3	47.5	71.3



#56
 Ethyl methacrylate
 Concen: 18.711 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

Tgt Ion:	69	Resp:	70571
Ion	Ratio	Lower	Upper
69	100		
41	65.3	52.2	78.2
39	38.3	26.6	40.0

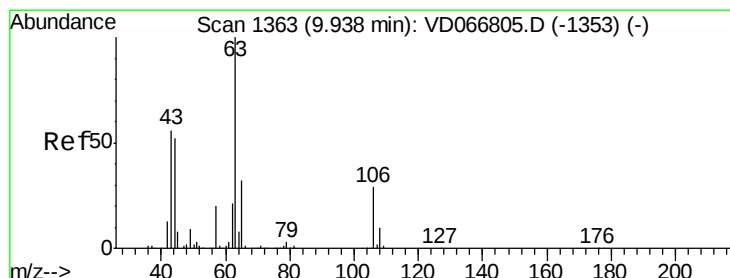
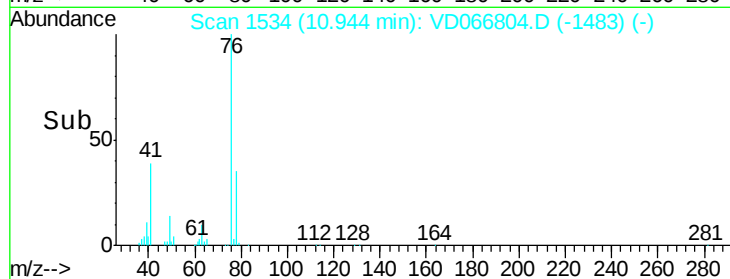
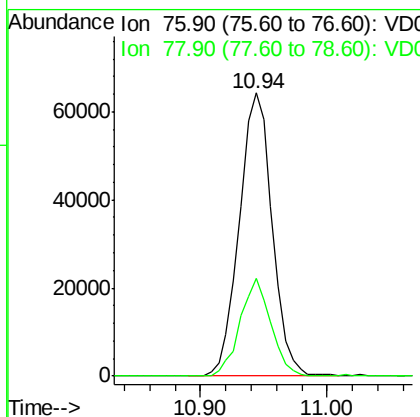
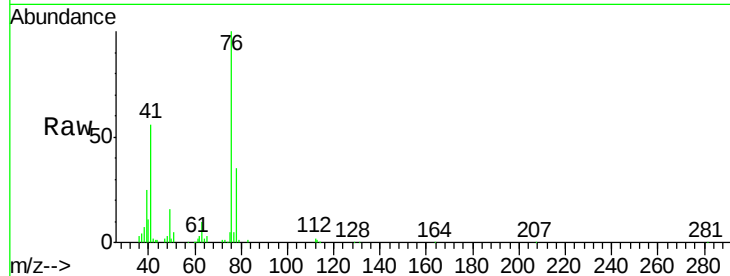




#57
 1,3-Dichloropropane
 Concen: 19.815 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

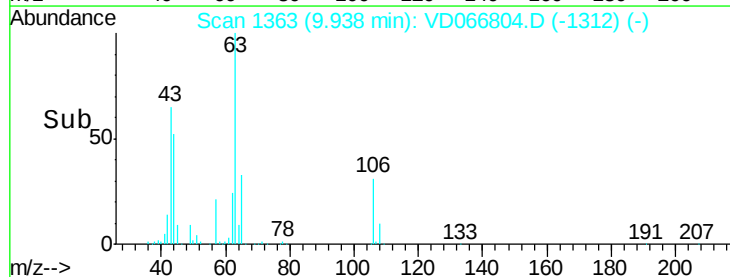
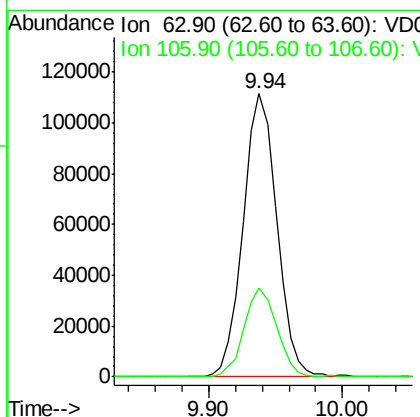
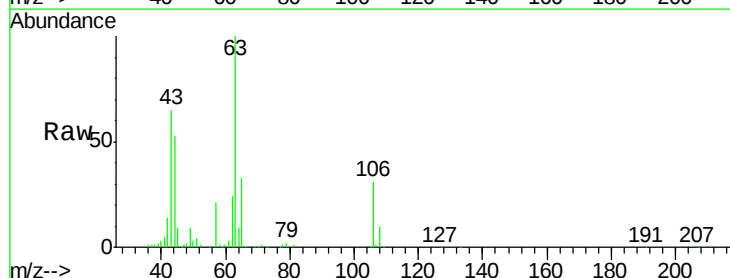
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

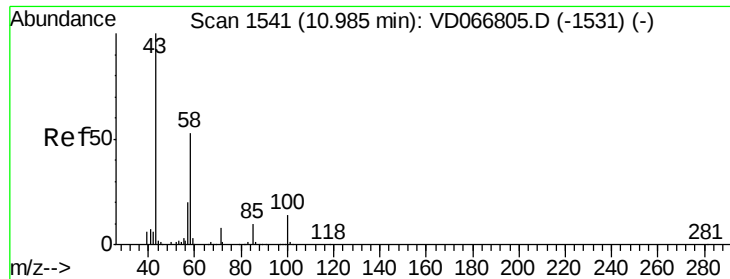
Tgt Ion: 76 Resp: 115571
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.866 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

Tgt Ion: 63 Resp: 194558
 Ion Ratio Lower Upper
 63 100
 106 30.6 23.8 35.6

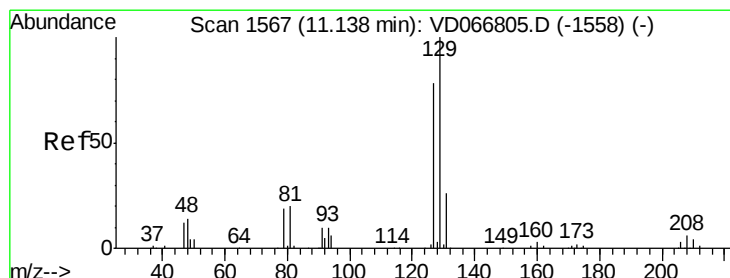
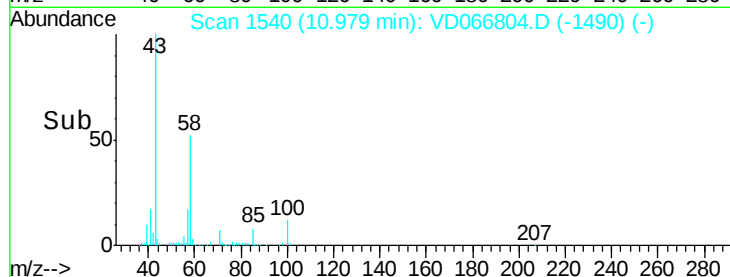
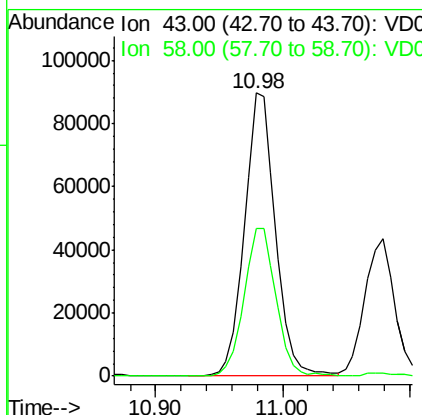
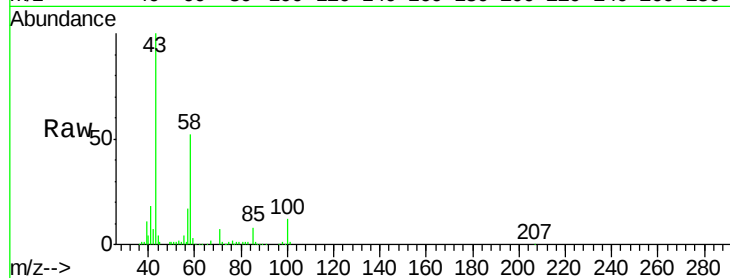




#59
2-Hexanone
Concen: 90.324 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

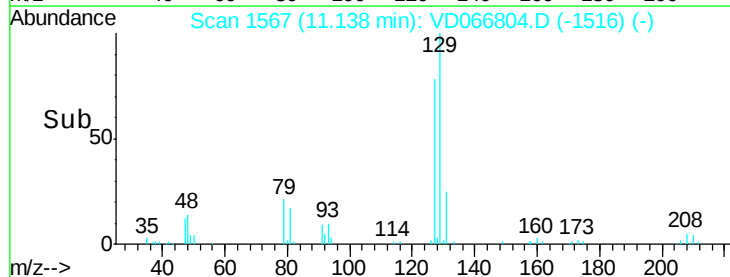
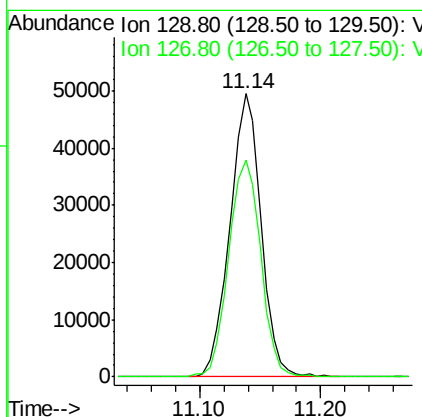
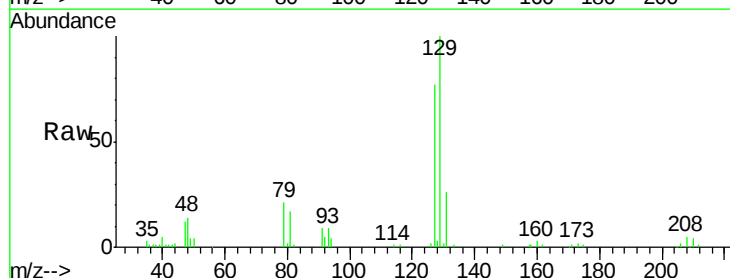
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

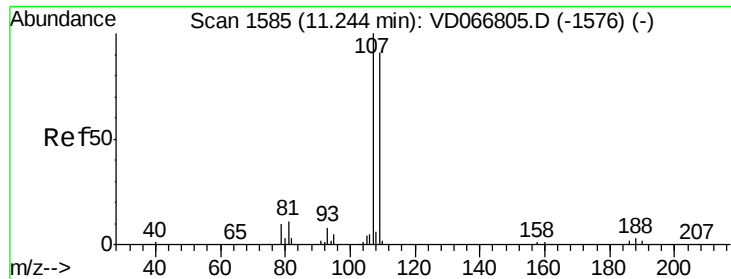
Tgt Ion: 43 Resp: 152272
Ion Ratio Lower Upper
43 100
58 54.0 27.0 80.8



#60
Dibromochloromethane
Concen: 20.353 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tgt Ion: 129 Resp: 88764
Ion Ratio Lower Upper
129 100
127 79.1 38.6 116.0

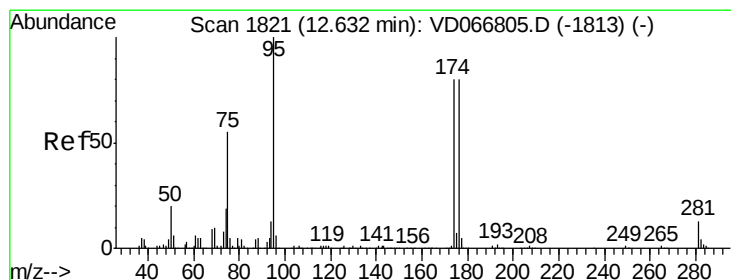
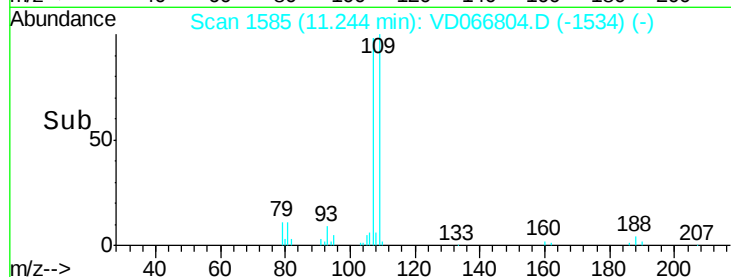
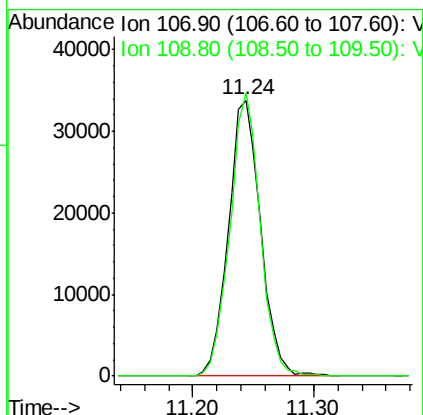
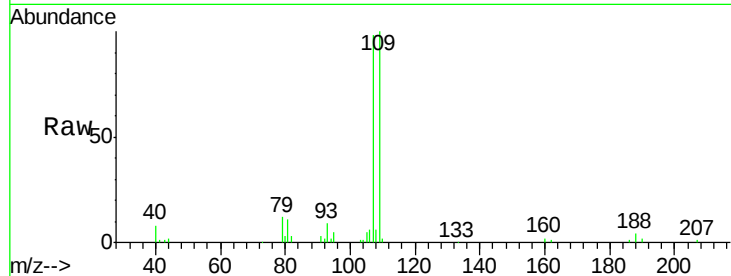




#61
 1,2-Dibromoethane
 Concen: 19.538 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

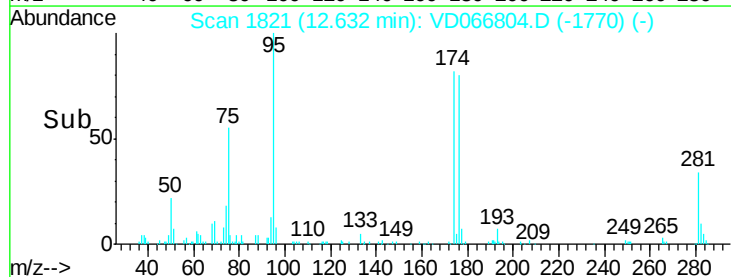
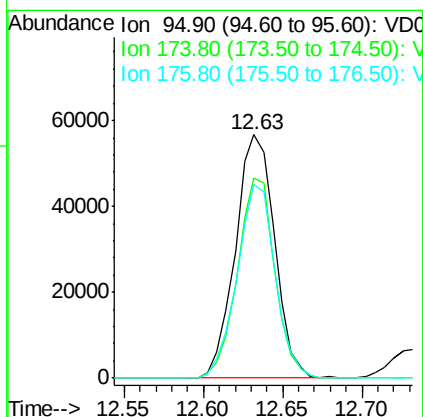
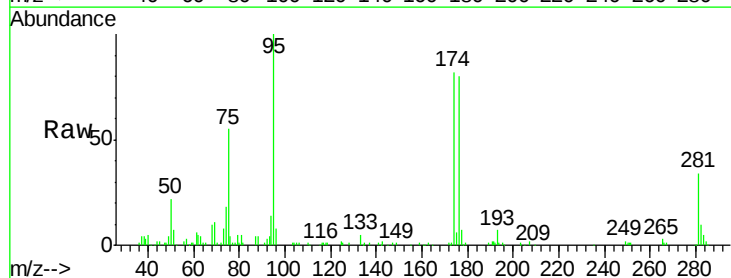
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

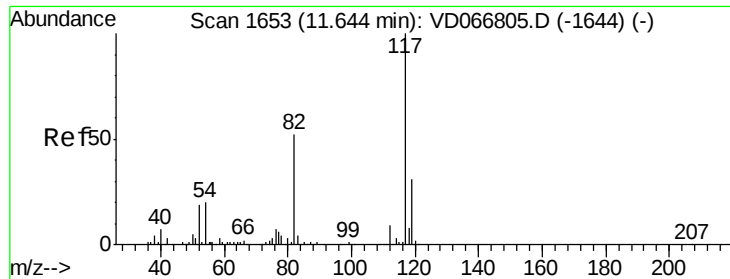
Tgt Ion: 107 Resp: 62763
 Ion Ratio Lower Upper
 107 100
 109 96.4 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 19.364 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

Tgt Ion: 95 Resp: 97261
 Ion Ratio Lower Upper
 95 100
 174 78.3 0.0 159.8
 176 77.4 0.0 154.4

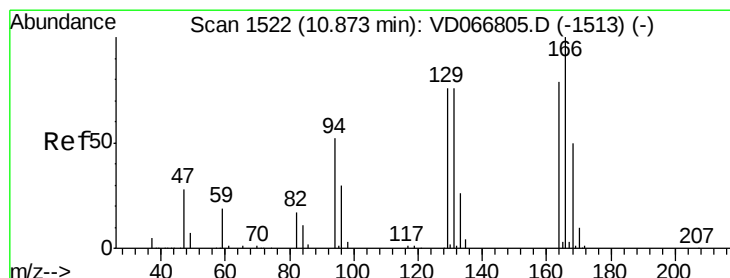
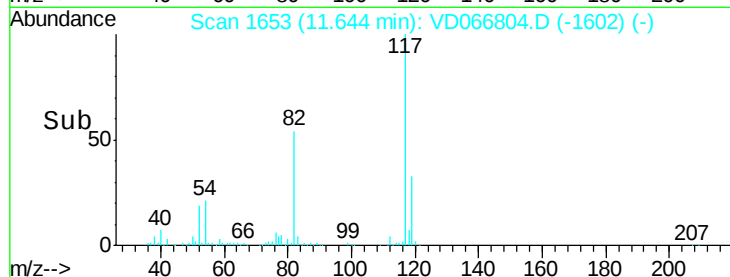
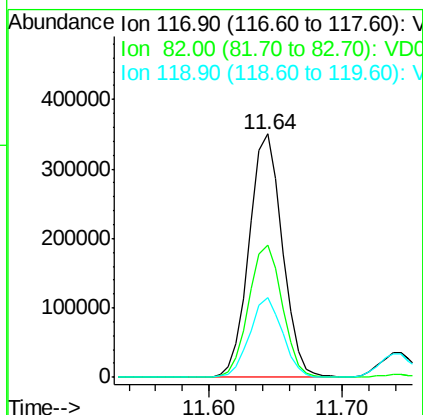
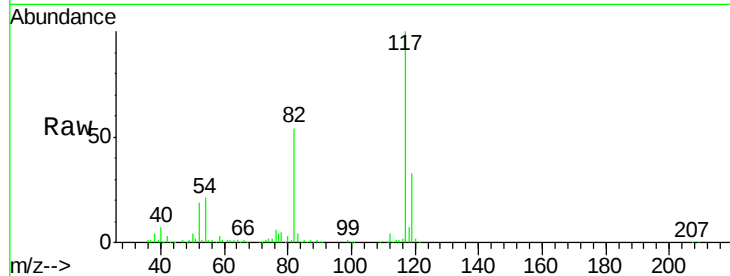




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

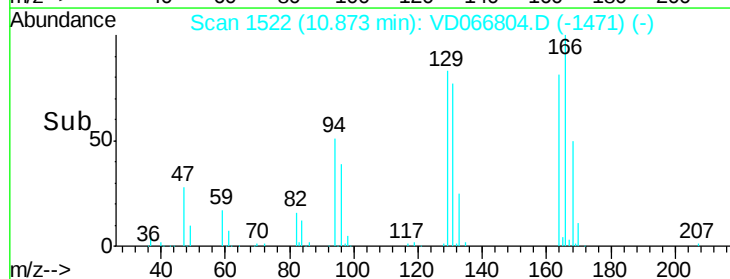
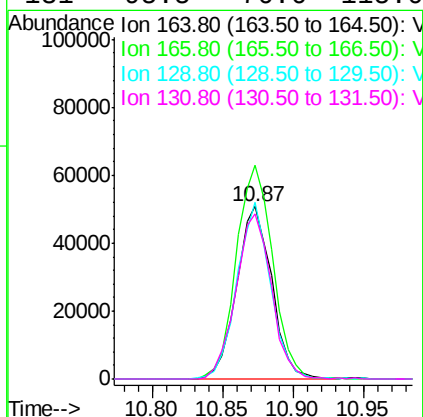
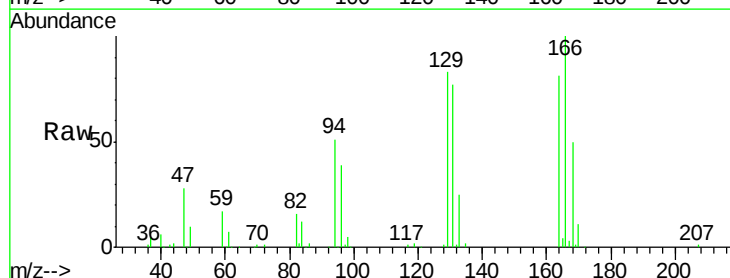
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

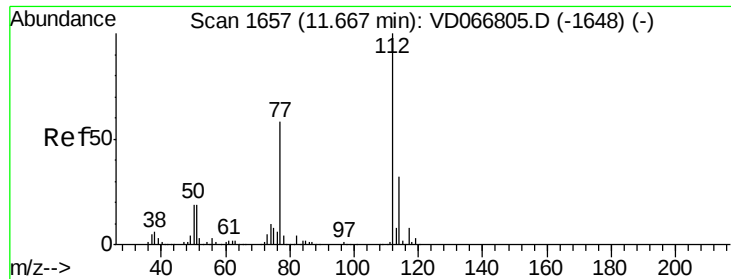
Tgt Ion:117 Resp: 600435
Ion Ratio Lower Upper
117 100
82 54.3 41.8 62.6
119 33.0 24.6 37.0



#64
Tetrachloroethene
Concen: 21.444 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tgt Ion:164 Resp: 88530
Ion Ratio Lower Upper
164 100
166 123.9 101.1 151.7
129 102.4 77.0 115.4
131 95.5 76.6 115.0

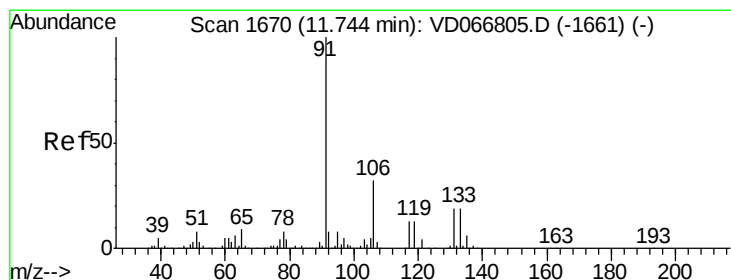
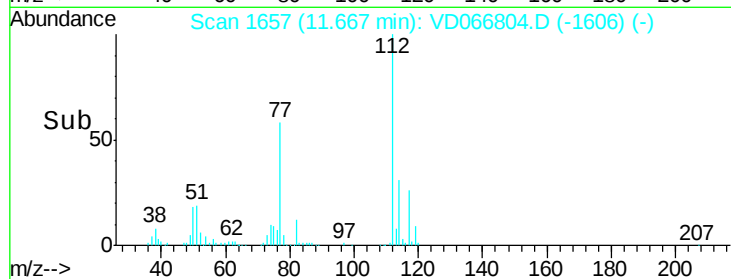
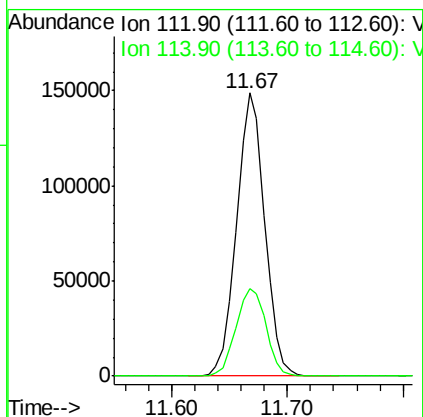
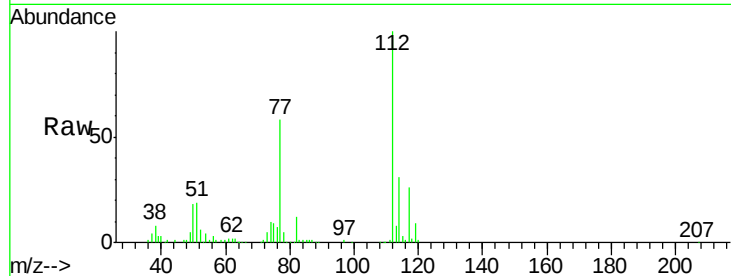




#65
Chlorobenzene
Concen: 20.189 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

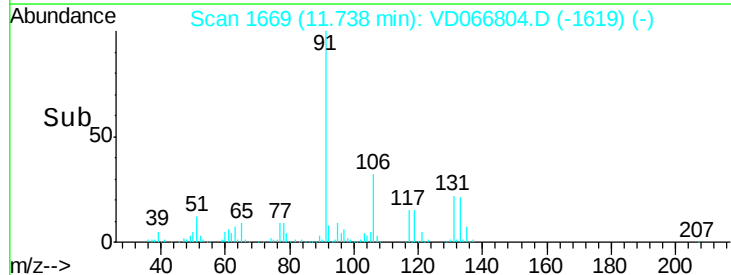
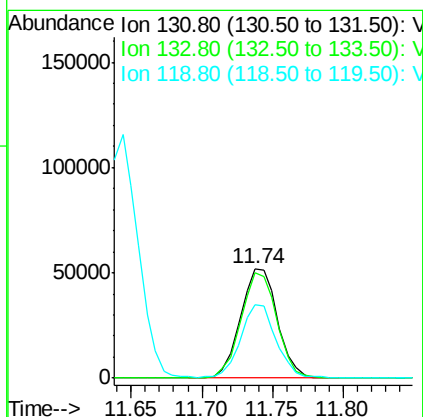
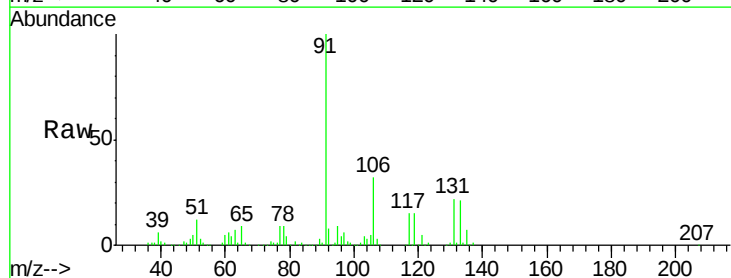
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

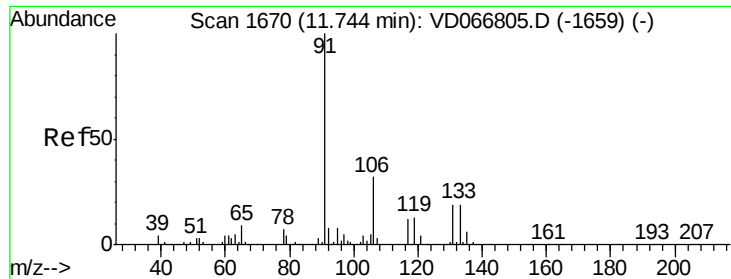
Tgt Ion:112 Resp: 250388
Ion Ratio Lower Upper
112 100
114 31.1 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.524 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tgt Ion:131 Resp: 94722
Ion Ratio Lower Upper
131 100
133 94.5 46.7 140.1
119 65.3 32.3 96.9

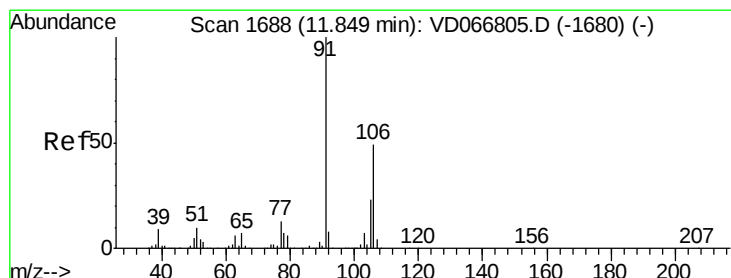
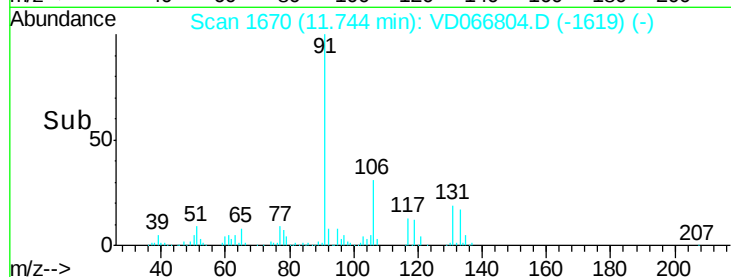
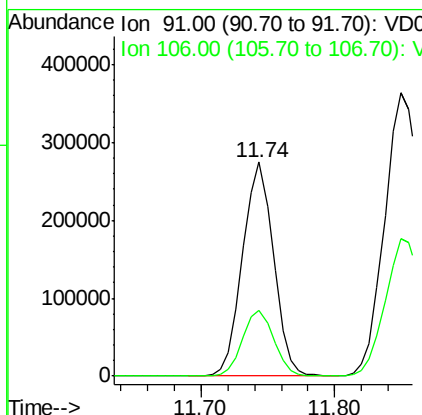
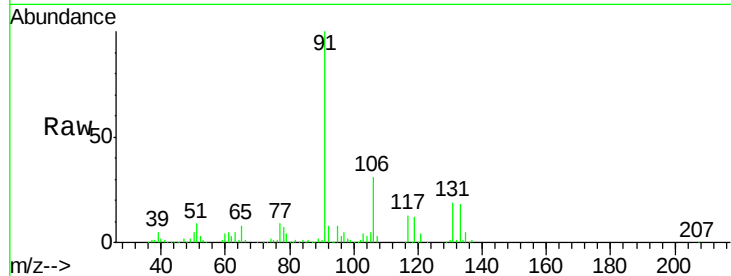




#67
Ethyl Benzene
Concen: 19.713 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

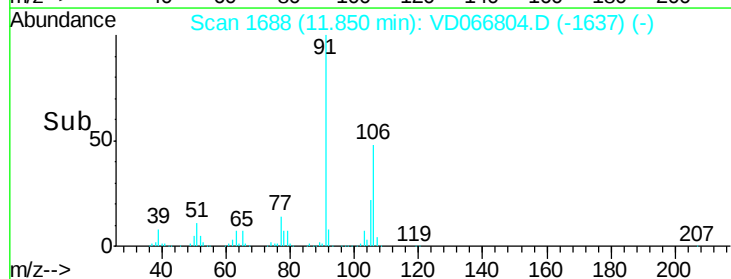
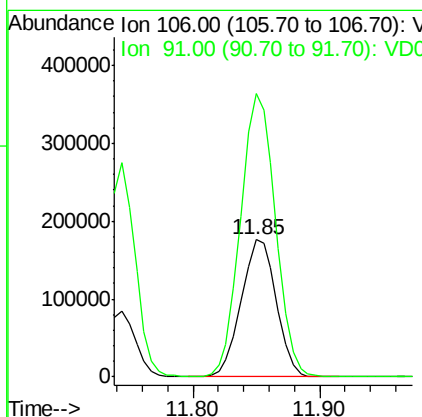
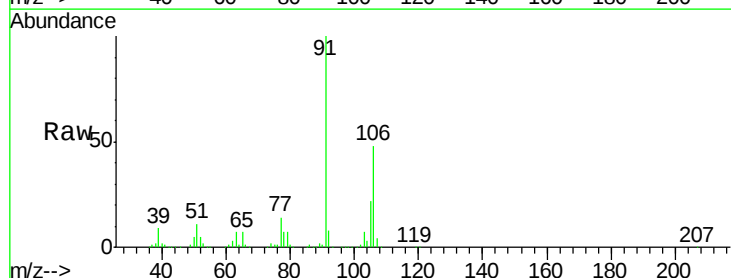
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

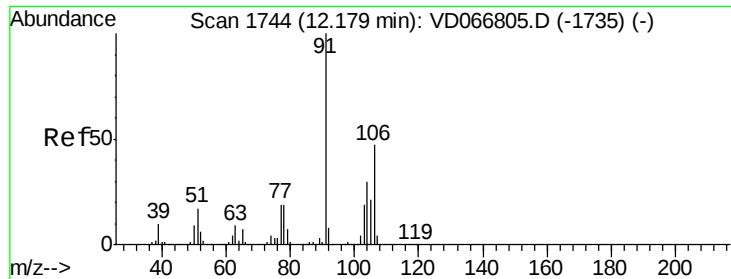
Tgt Ion: 91 Resp: 441564
Ion Ratio Lower Upper
91 100
106 31.0 25.6 38.4



#68
m/p-Xylenes
Concen: 39.831 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tgt Ion: 106 Resp: 338114
Ion Ratio Lower Upper
106 100
91 206.0 160.7 241.1

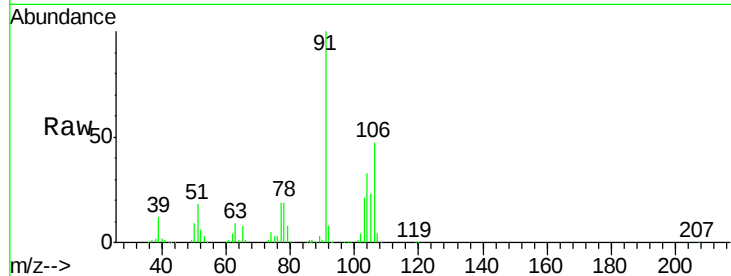




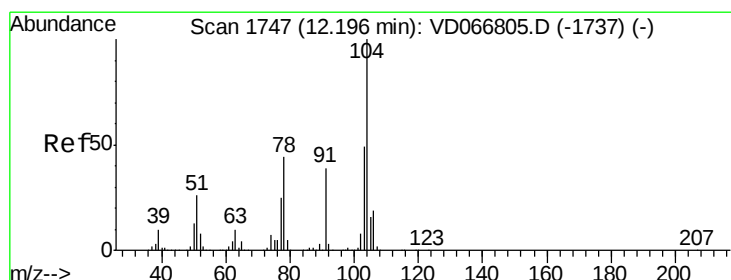
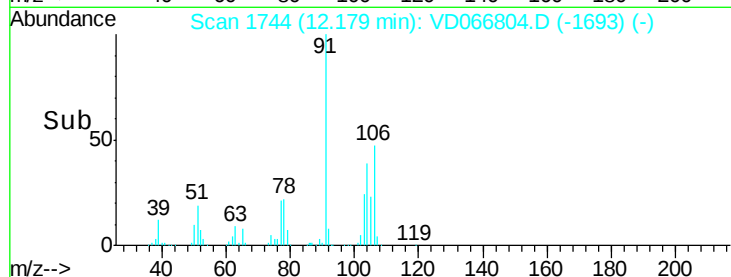
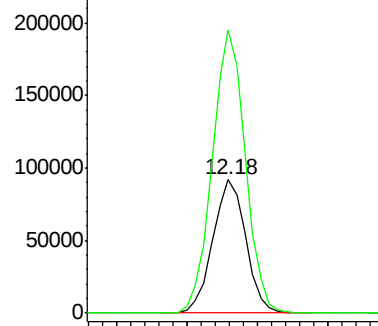
#69
o-Xylene
Concen: 19.967 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 150232
Ion Ratio Lower Upper
106 100
91 212.3 106.3 318.8

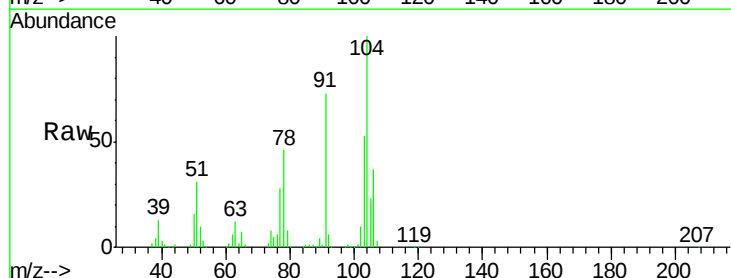


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

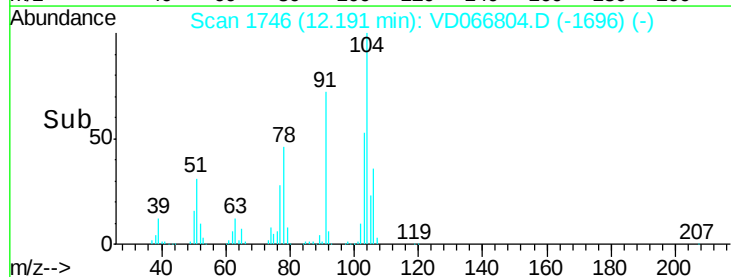
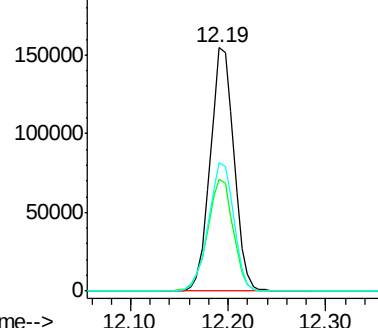


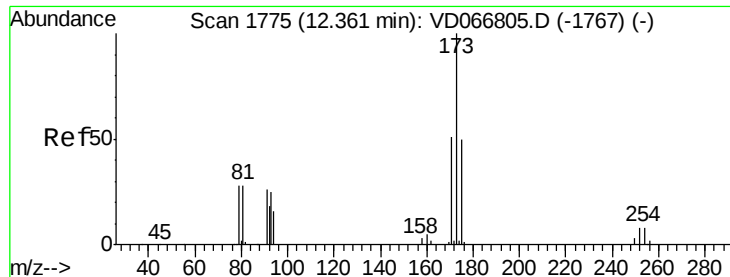
#70
Styrene
Concen: 19.859 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tgt Ion:104 Resp: 262343
Ion Ratio Lower Upper
104 100
78 49.6 38.9 58.3
103 56.1 43.2 64.8



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

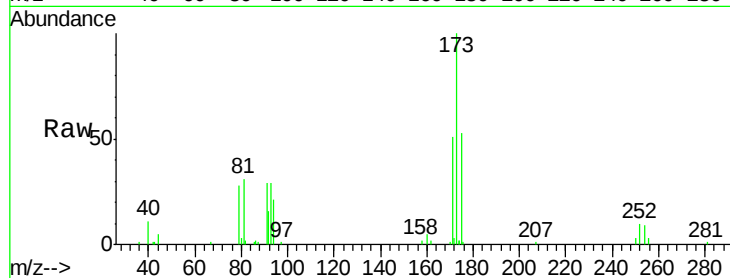




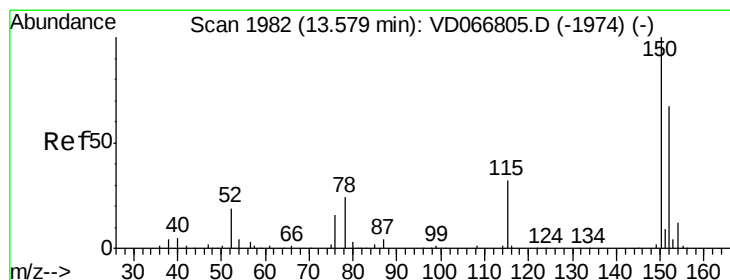
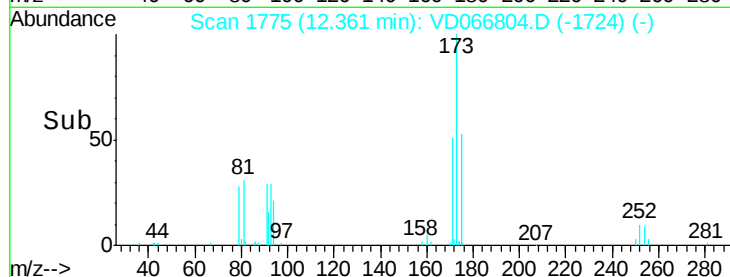
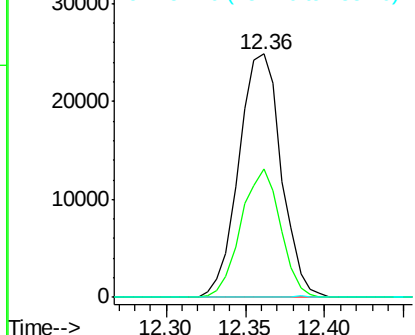
#71
Bromoform
Concen: 19.882 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:173 Resp: 46196
Ion Ratio Lower Upper
173 100
175 49.2 24.9 74.6
254 0.0 0.1 0.1#

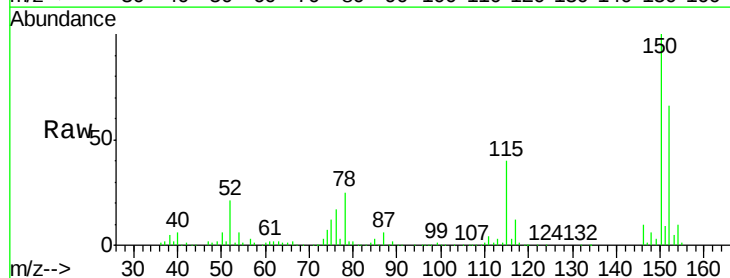


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

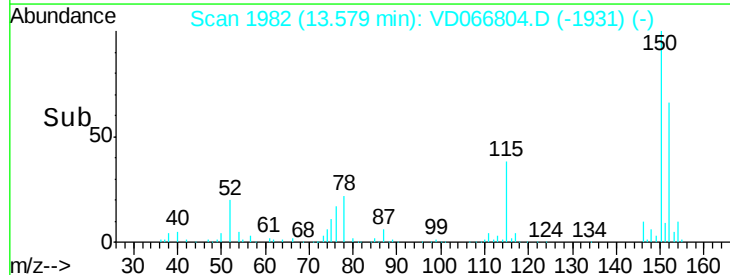
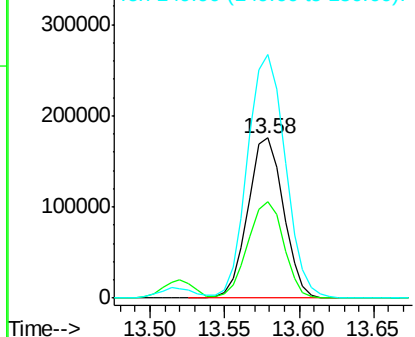


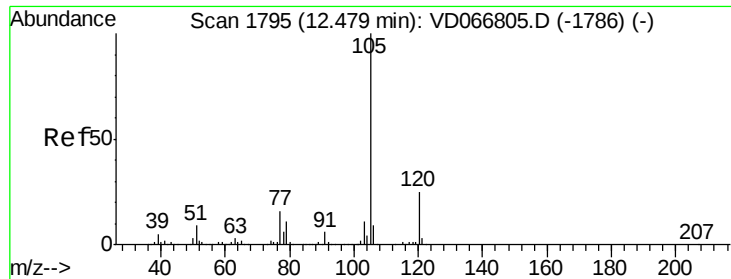
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tgt Ion:152 Resp: 288783
Ion Ratio Lower Upper
152 100
115 61.1 30.3 91.0
150 162.6 0.0 346.2



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





#73

Isopropylbenzene

Concen: 19.326 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

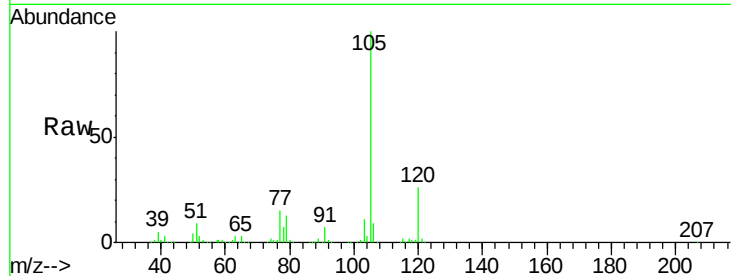
VSTDIC020

Tgt Ion: 105 Resp: 415034

Ion Ratio Lower Upper

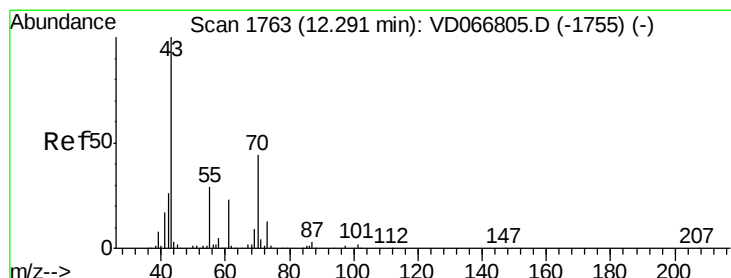
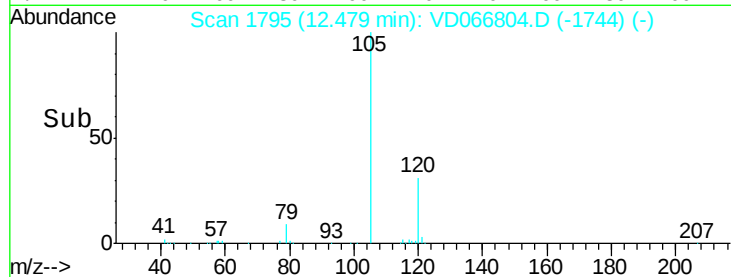
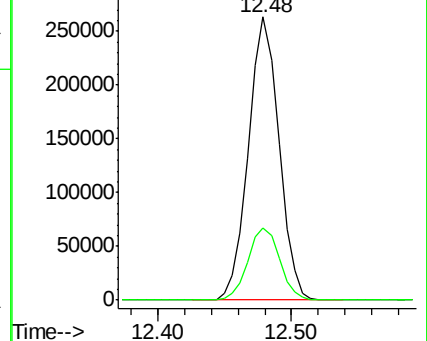
105 100

120 26.5 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.067 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Tgt Ion: 43 Resp: 76993

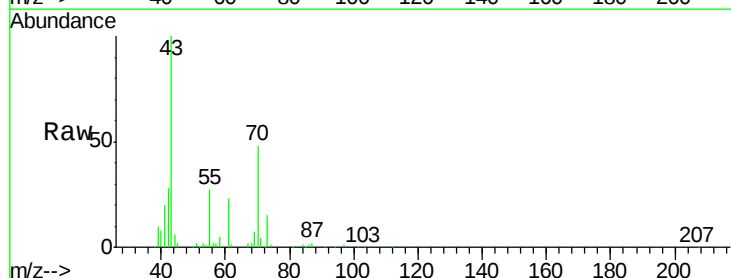
Ion Ratio Lower Upper

43 100

70 47.9 36.1 54.1

55 29.3 21.8 32.8

61 24.9 19.0 28.4

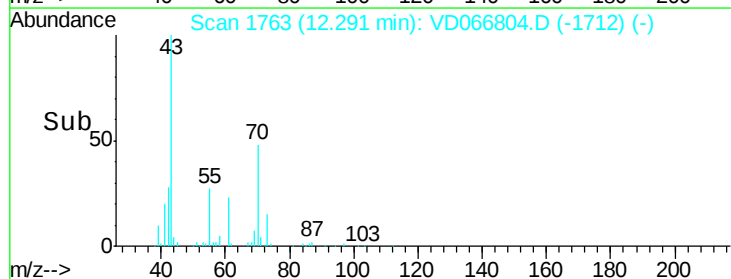
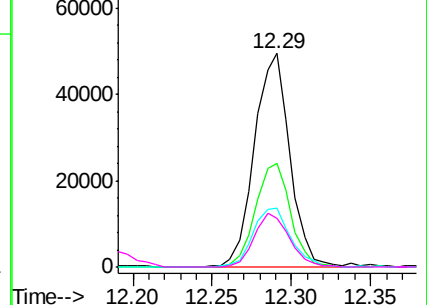


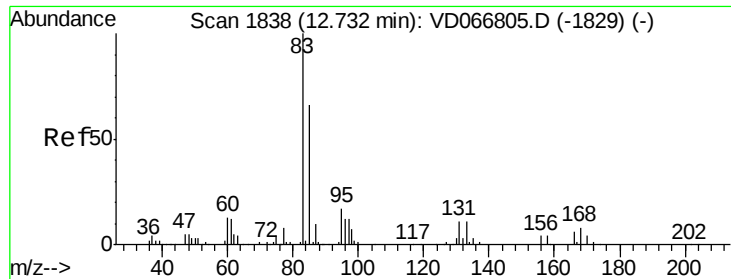
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.266 ug/l

RT: 12.73 min Scan# 1837

Delta R.T. -0.01 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

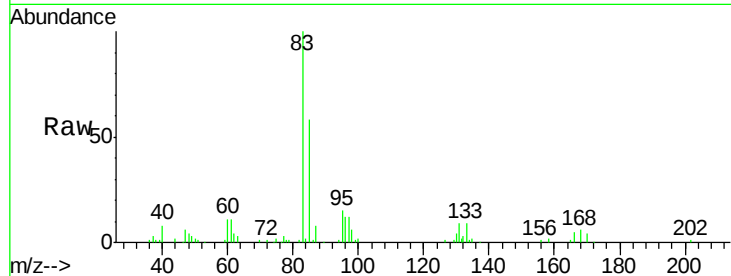
Tgt Ion: 83 Resp: 71087

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.7

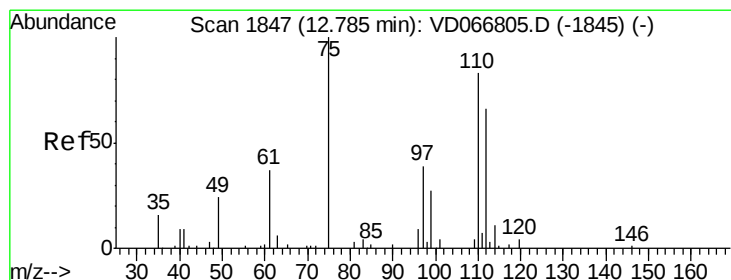
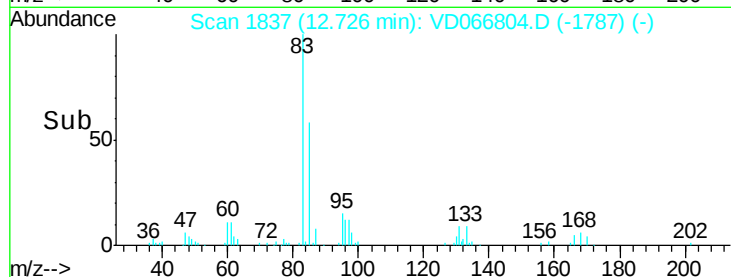
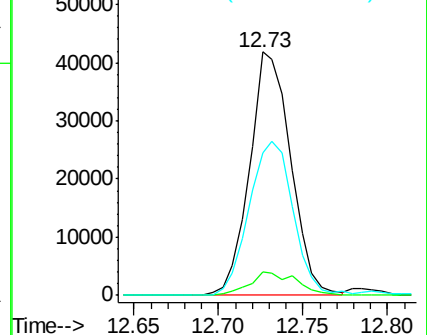
85 67.7 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 36.784 ug/l

RT: 12.78 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VD066804.D

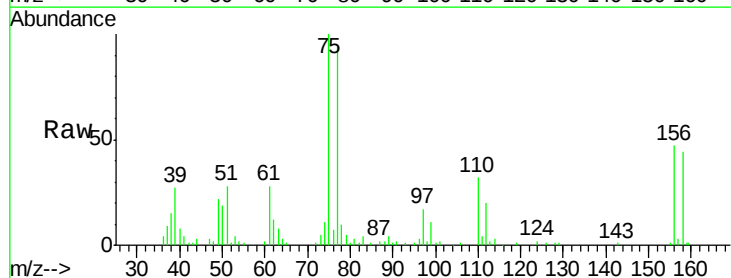
Acq: 22 Sep 2020 11:43

Tgt Ion: 75 Resp: 91448

Ion Ratio Lower Upper

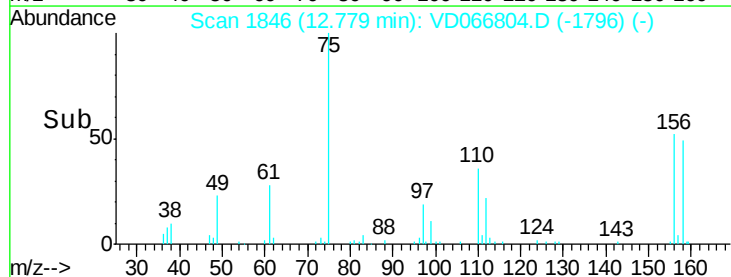
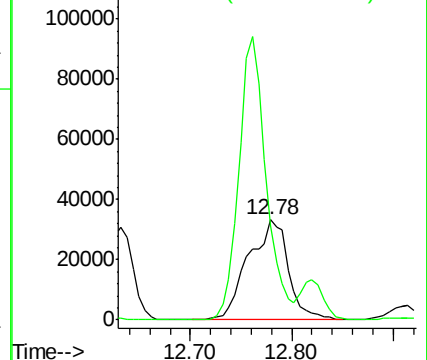
75 100

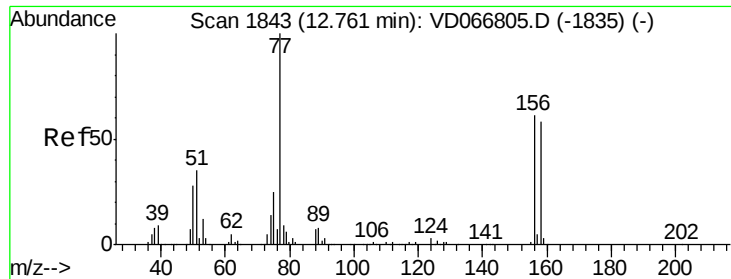
77 192.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

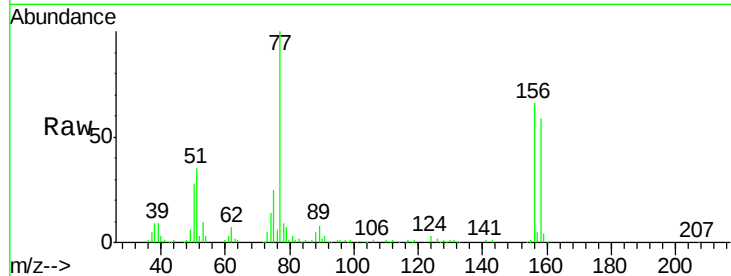




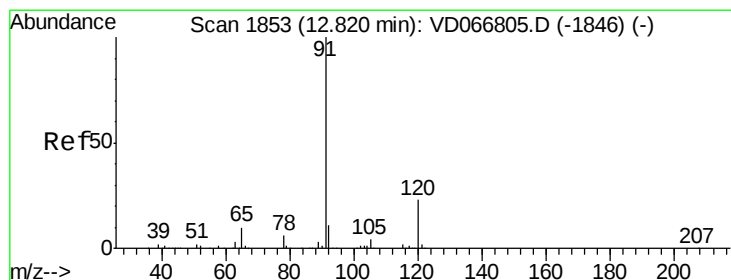
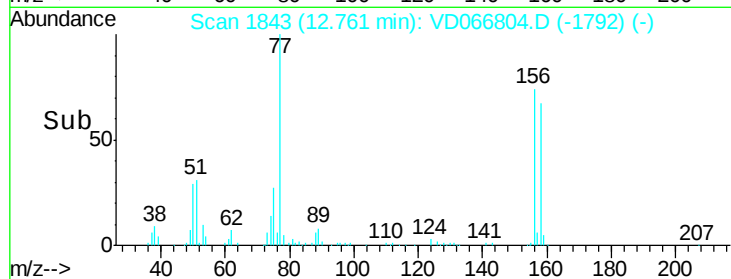
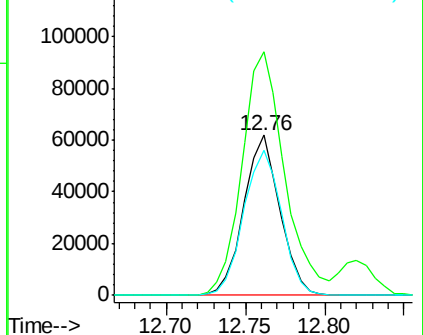
#77
Bromobenzene
Concen: 19.607 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:156 Resp: 97982
Ion Ratio Lower Upper
156 100
77 179.5 92.3 276.9
158 95.3 47.6 142.9

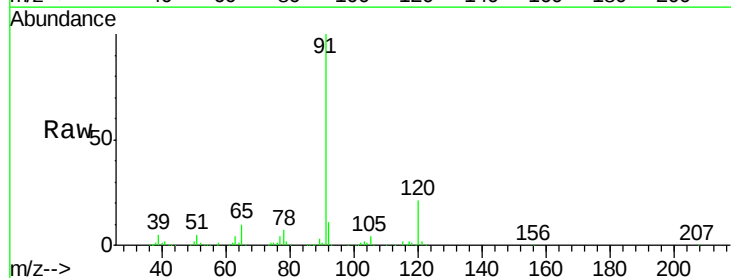


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V

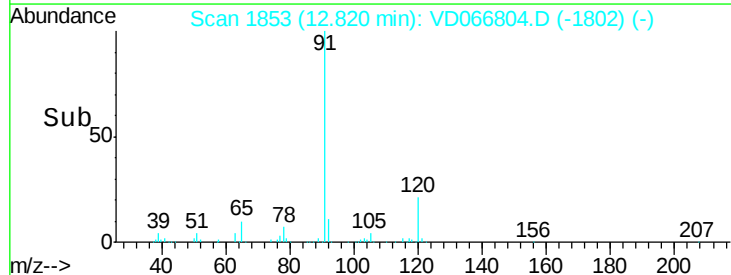
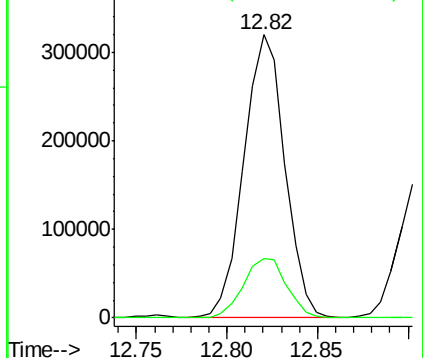


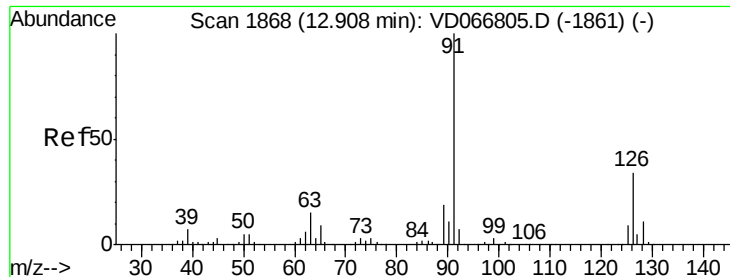
#78
n-propylbenzene
Concen: 19.182 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tgt Ion: 91 Resp: 500984
Ion Ratio Lower Upper
91 100
120 22.3 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.460 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

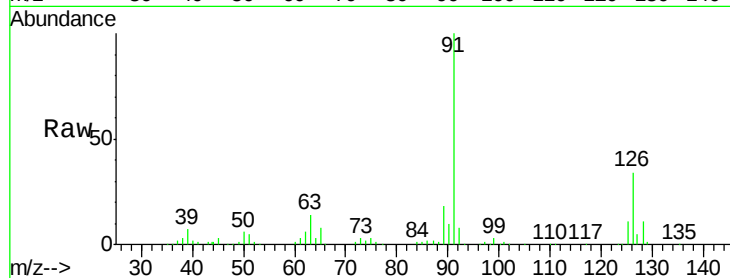
VSTDIC020

Tgt Ion: 91 Resp: 287285

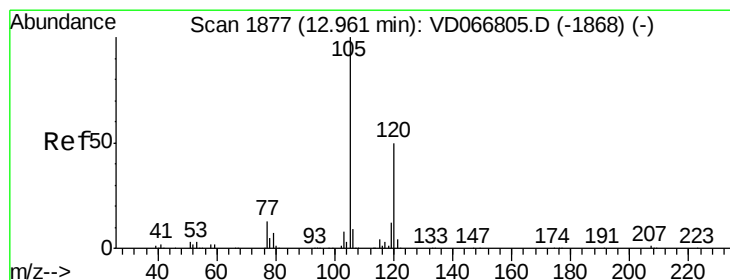
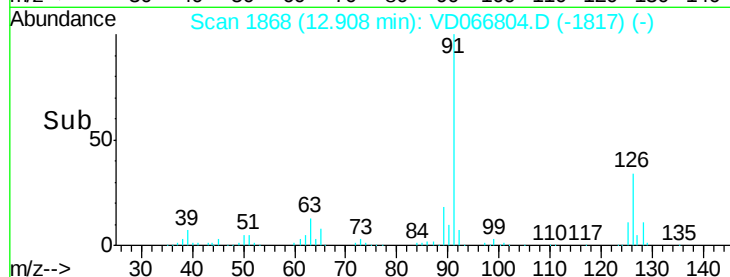
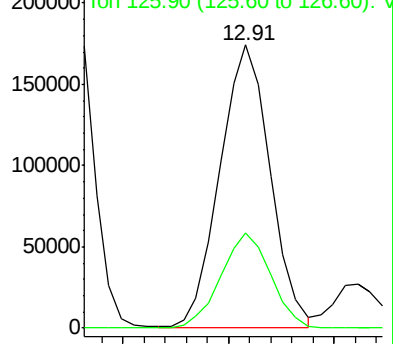
Ion Ratio Lower Upper

91 100

126 33.6 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 19.904 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066804.D

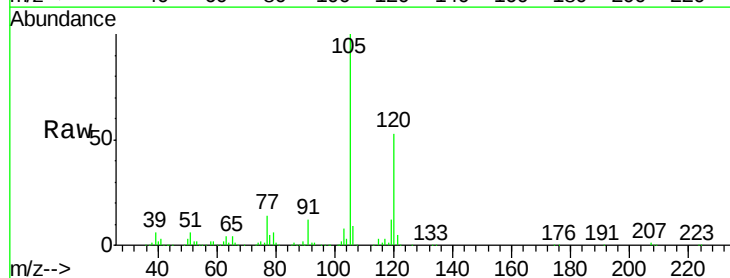
Acq: 22 Sep 2020 11:43

Tgt Ion: 105 Resp: 360905

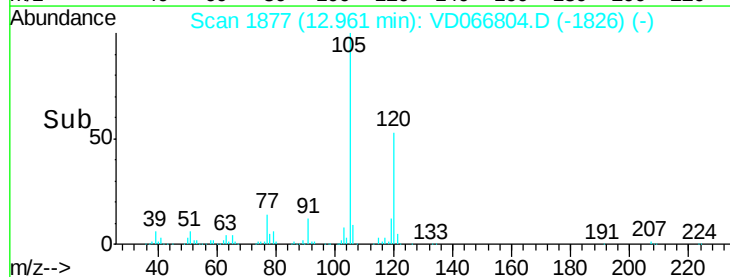
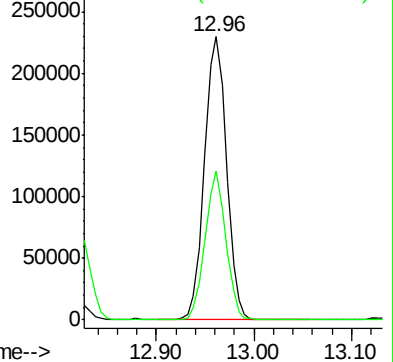
Ion Ratio Lower Upper

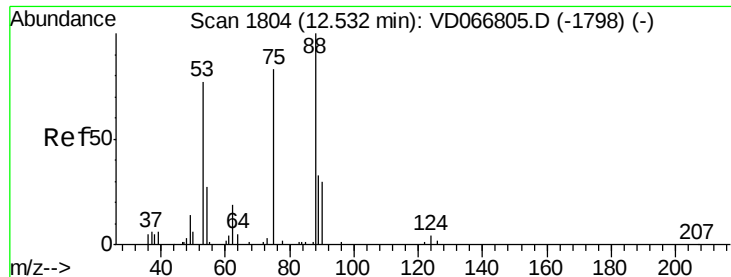
105 100

120 49.4 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 15.260 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

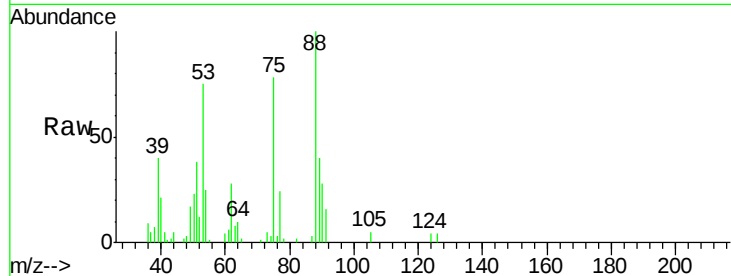
Tgt Ion: 75 Resp: 17252

Ion Ratio Lower Upper

75 100

53 108.4 78.5 117.7

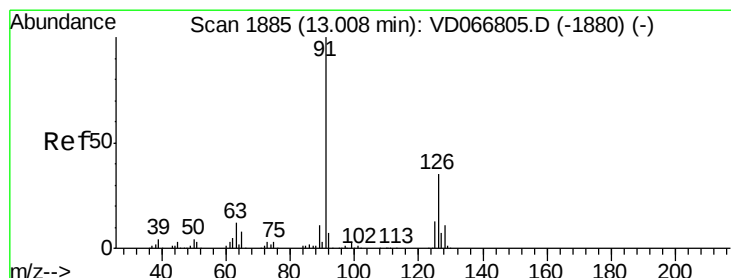
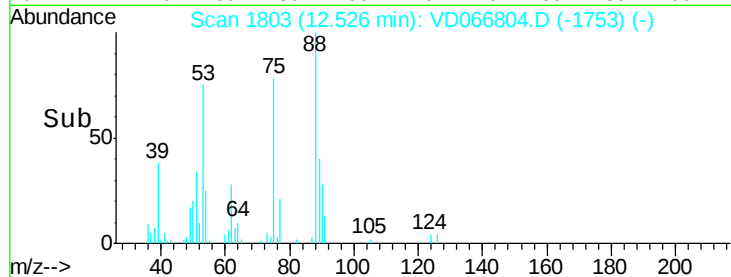
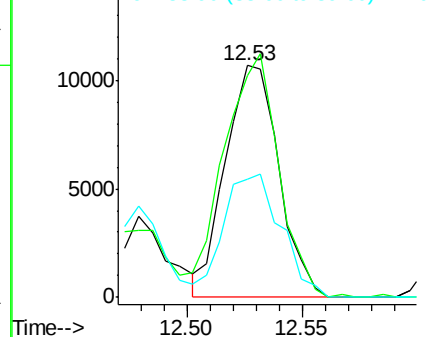
89 57.0 38.1 57.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 19.581 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.01 min

Lab File: VD066804.D

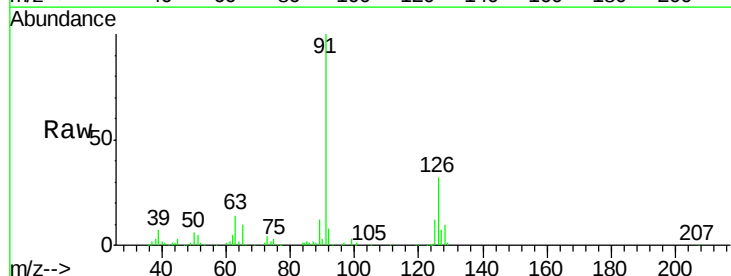
Acq: 22 Sep 2020 11:43

Tgt Ion: 91 Resp: 306518

Ion Ratio Lower Upper

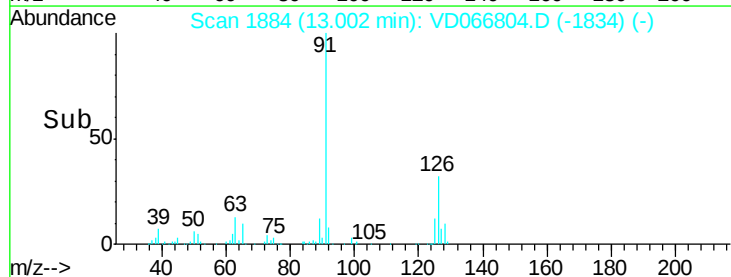
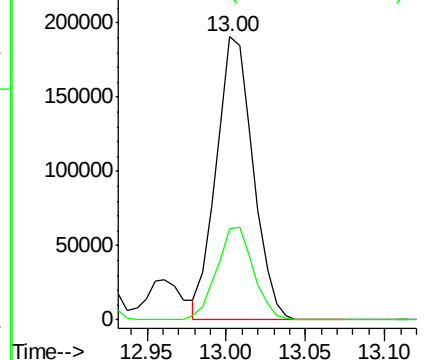
91 100

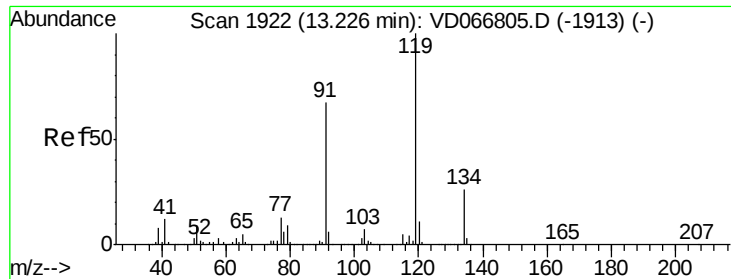
126 33.0 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

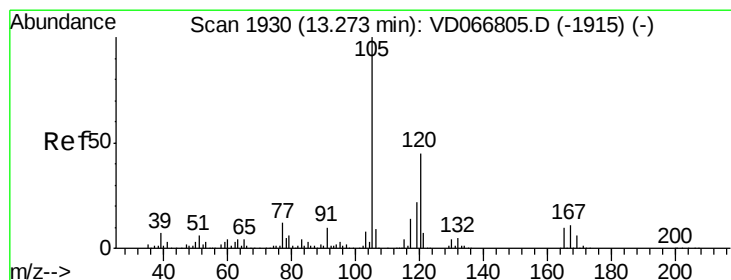
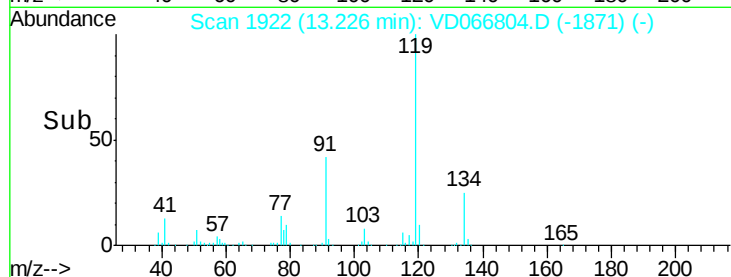
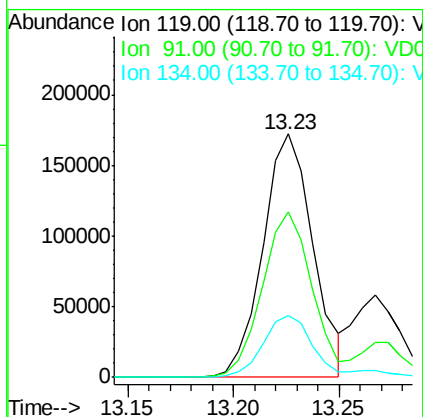
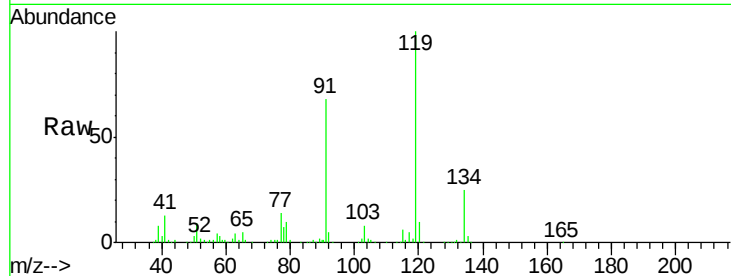




#83
 tert-Butylbenzene
 Concen: 18.983 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

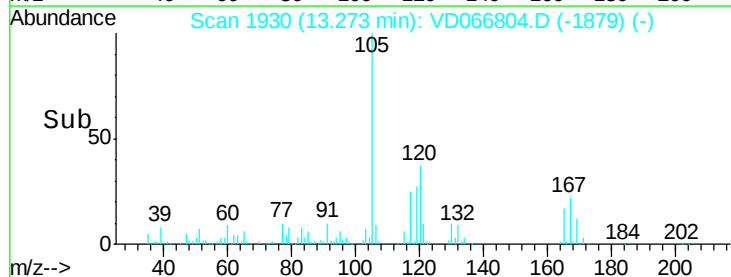
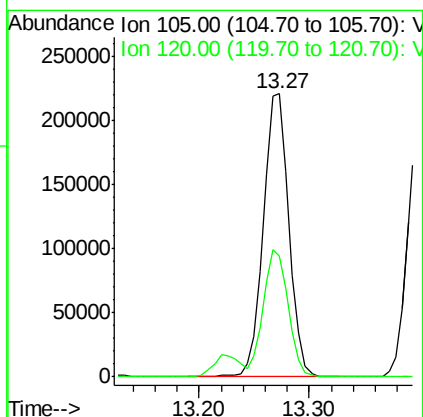
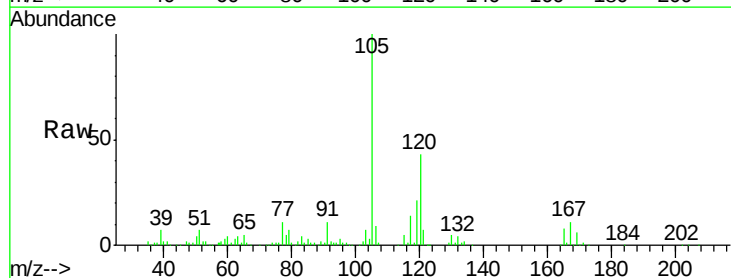
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

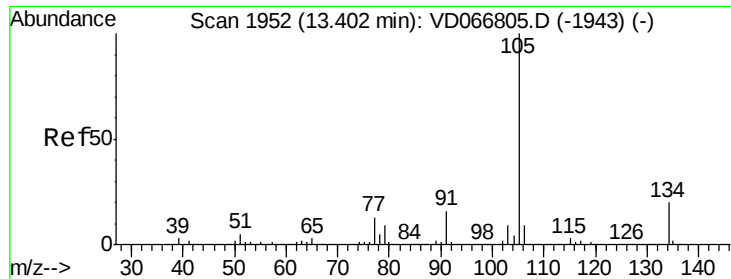
Tgt Ion:119 Resp: 284362
 Ion Ratio Lower Upper
 119 100
 91 68.6 33.6 100.8
 134 25.0 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 19.783 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

Tgt Ion:105 Resp: 358676
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.3 66.9

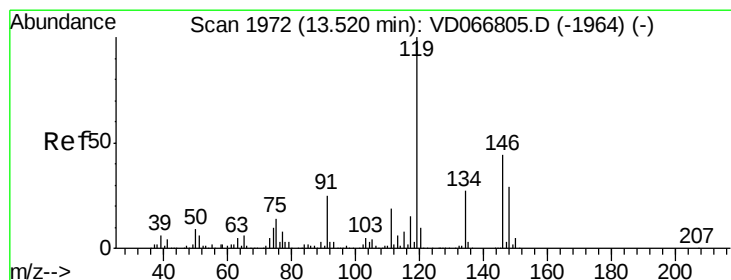
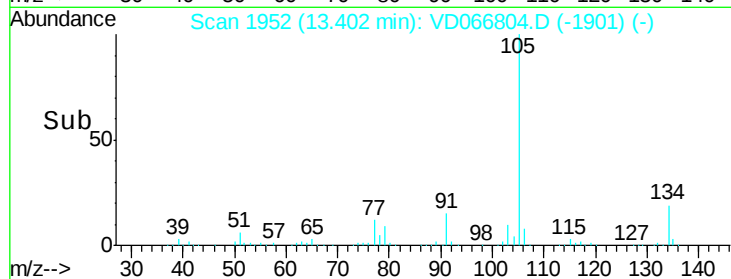
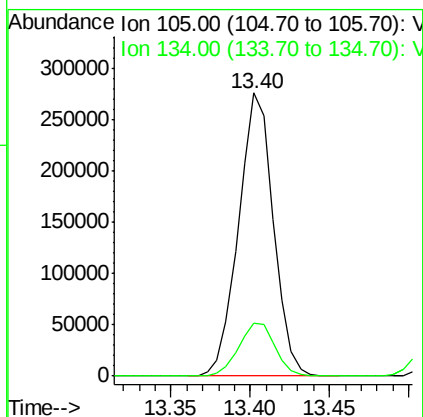
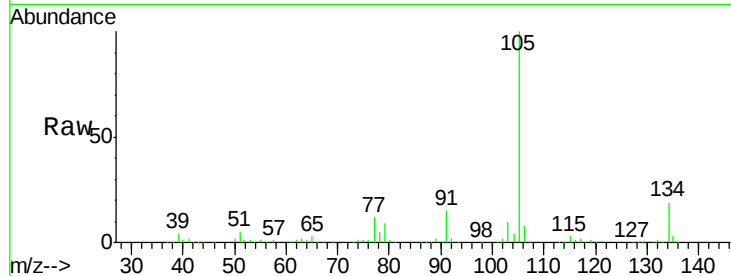




#85
 sec-Butylbenzene
 Concen: 19.623 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

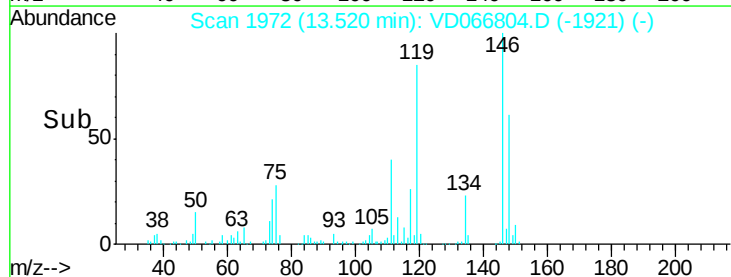
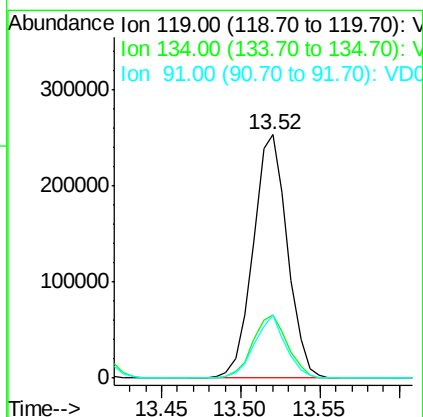
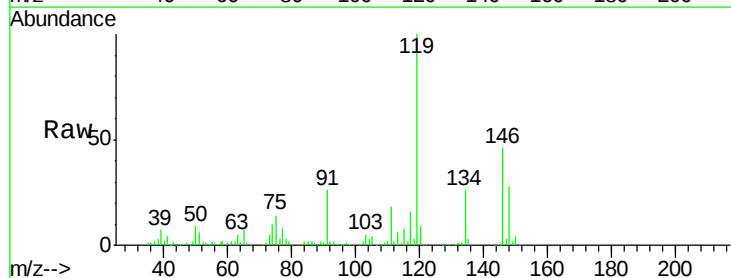
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

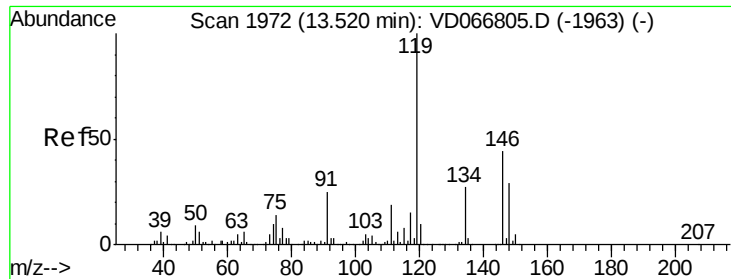
Tgt Ion:105 Resp: 420542
 Ion Ratio Lower Upper
 105 100
 134 19.6 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 19.544 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

Tgt Ion:119 Resp: 380535
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.0 38.9
 91 23.7 12.0 36.1

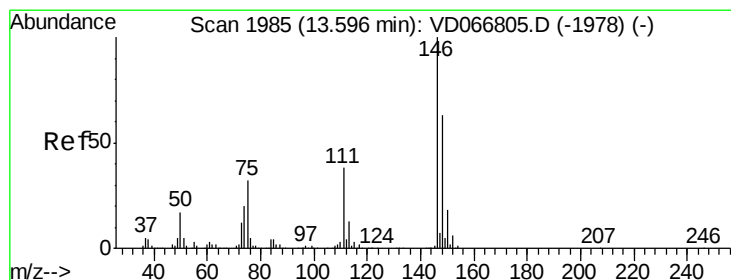
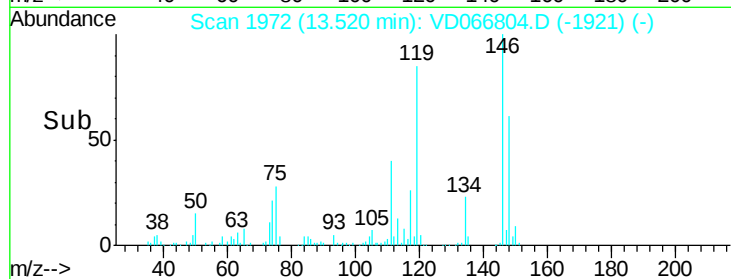
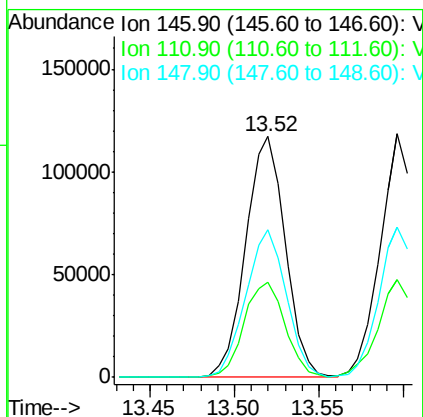
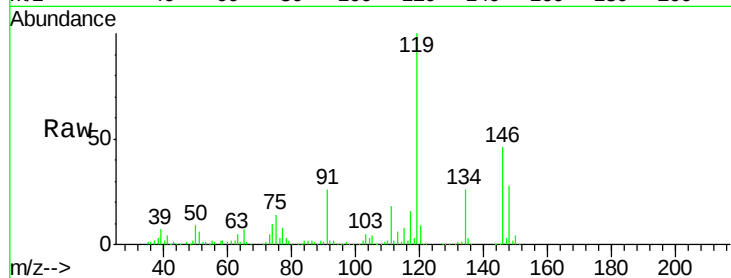




#87
 1,3-Dichlorobenzene
 Concen: 19.992 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

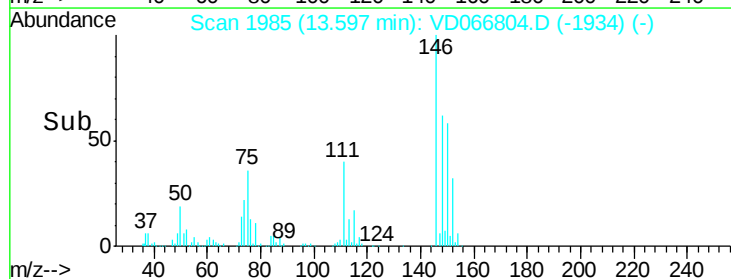
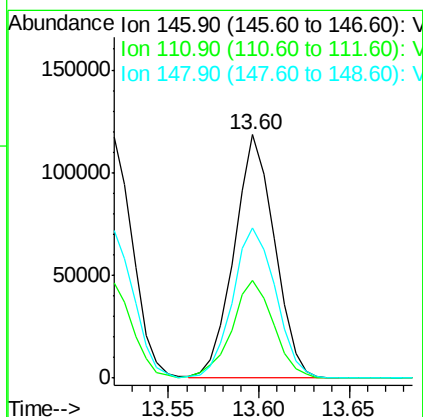
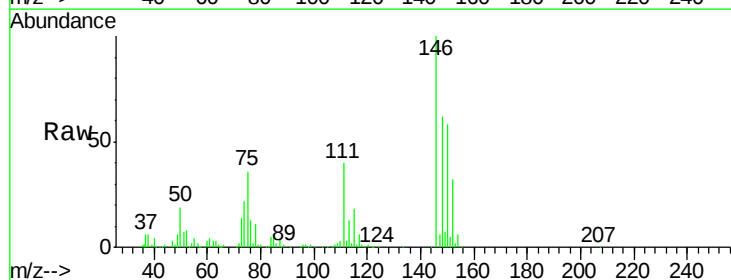
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

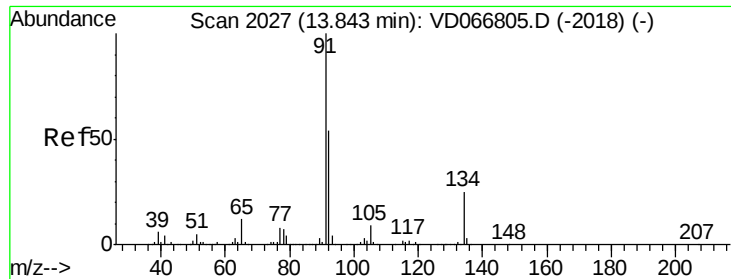
Tgt Ion:146 Resp: 190855
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.3 60.9
 148 62.5 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 19.302 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

Tgt Ion:146 Resp: 183660
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.2 60.5
 148 65.8 31.6 94.7

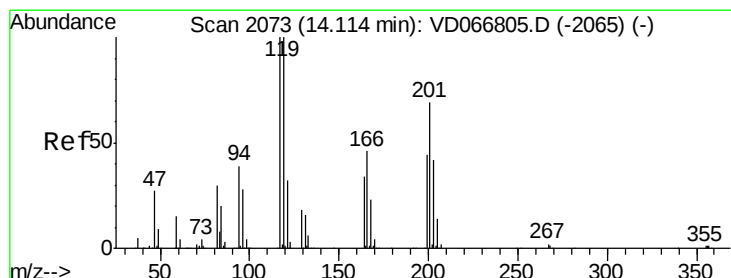
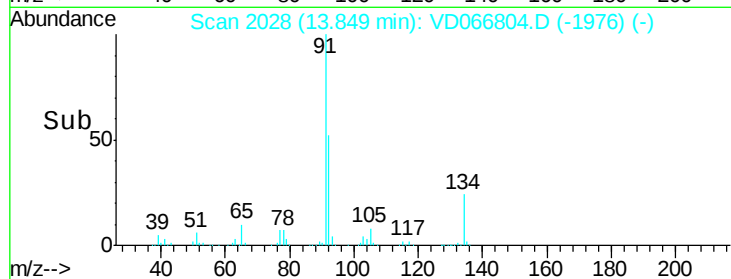
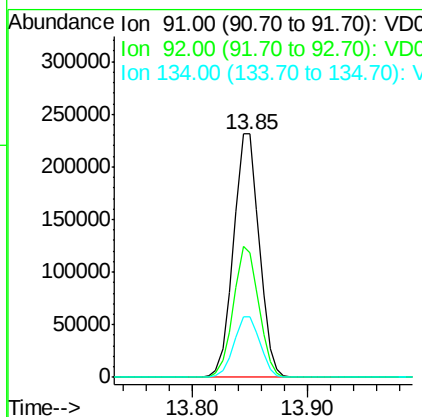
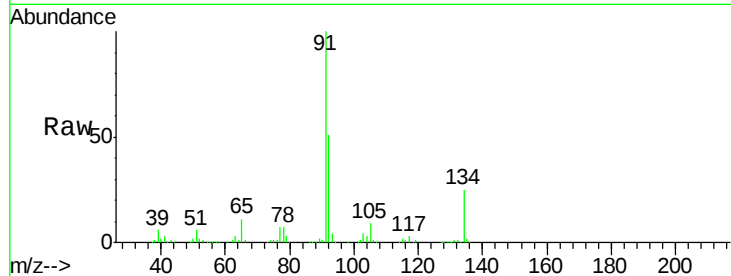




#89
n-Butylbenzene
Concen: 19.370 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

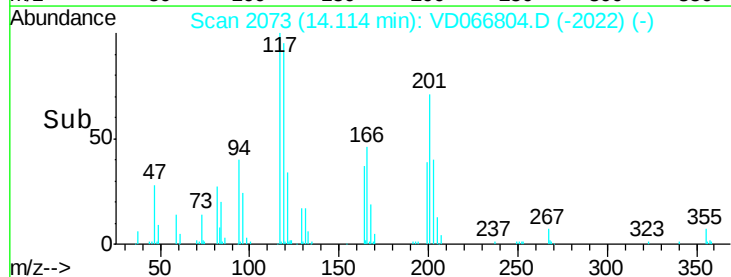
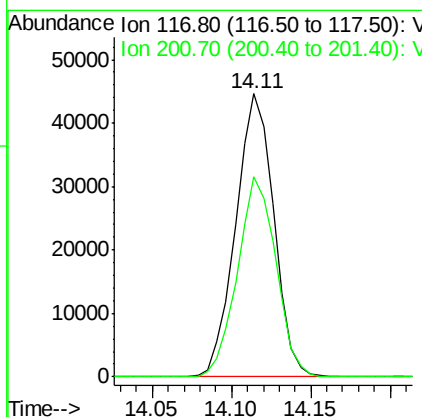
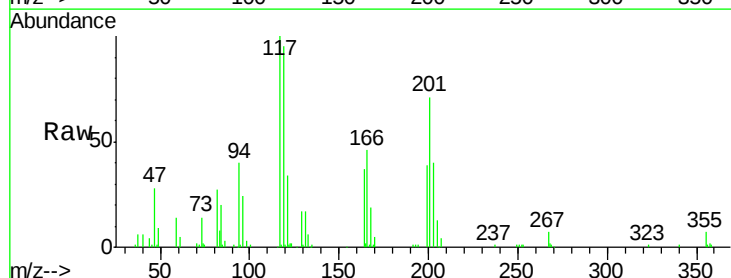
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

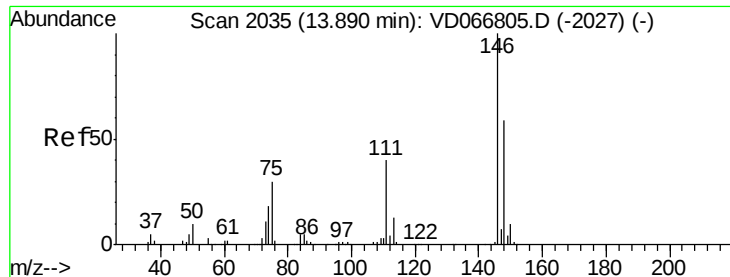
Tgt Ion: 91 Resp: 357267
Ion Ratio Lower Upper
91 100
92 53.0 26.7 80.0
134 25.1 13.1 39.1



#90
Hexachloroethane
Concen: 18.692 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066804.D
Acq: 22 Sep 2020 11:43

Tgt Ion: 117 Resp: 74419
Ion Ratio Lower Upper
117 100
201 71.3 33.7 101.0

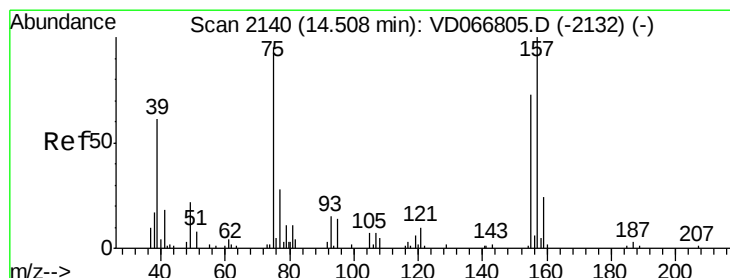
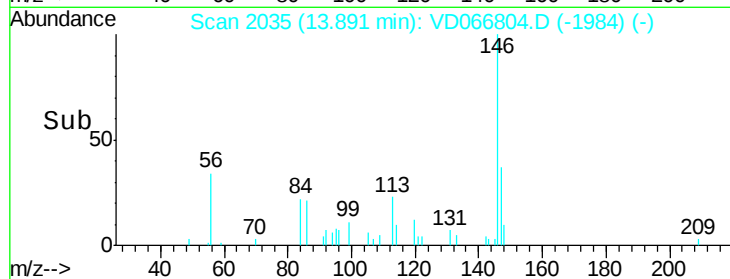
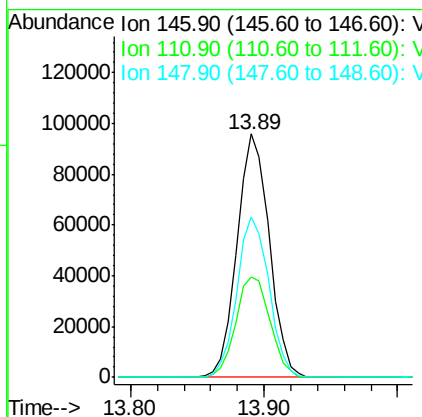
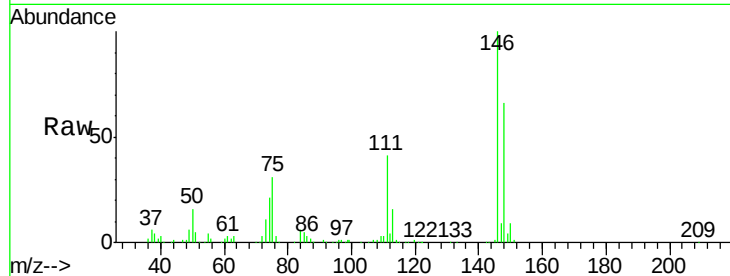




#91
 1,2-Dichlorobenzene
 Concen: 19.615 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

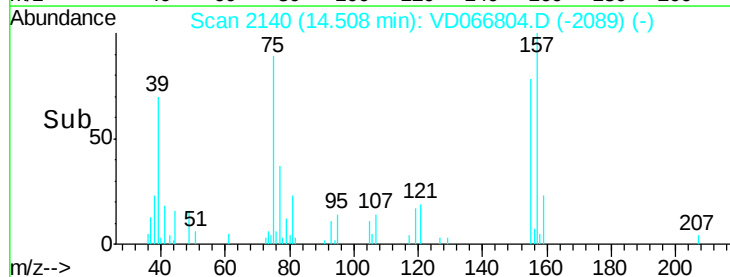
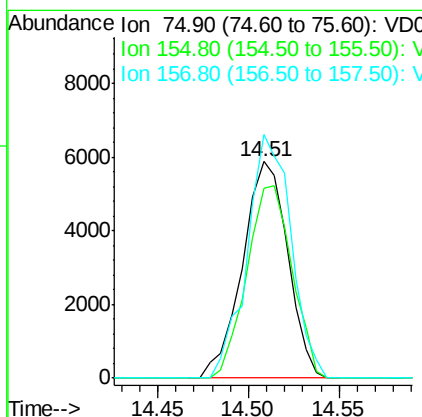
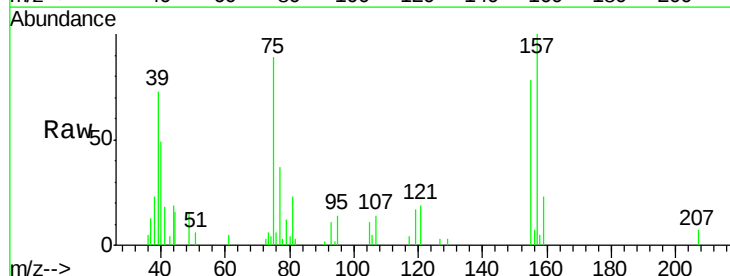
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

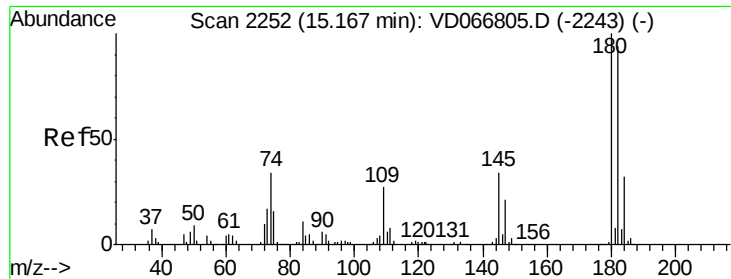
Tgt Ion: 146 Resp: 160567
 Ion Ratio Lower Upper
 146 100
 111 43.8 20.9 62.7
 148 65.3 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.327 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

Tgt Ion: 75 Resp: 10227
 Ion Ratio Lower Upper
 75 100
 155 88.6 40.4 121.2
 157 108.6 51.3 153.9

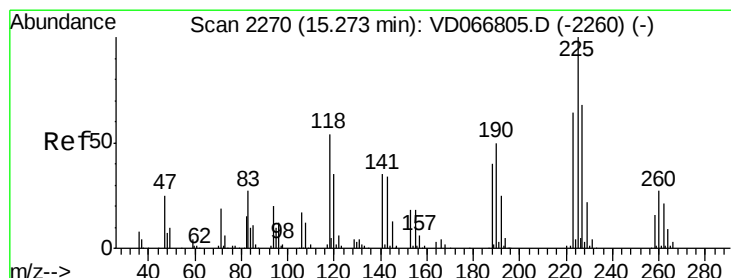
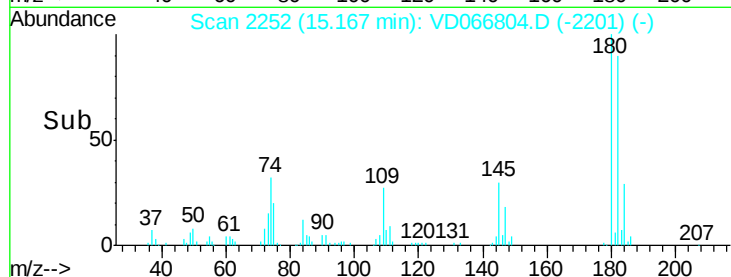
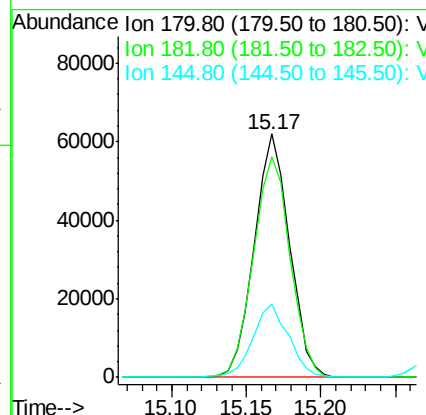
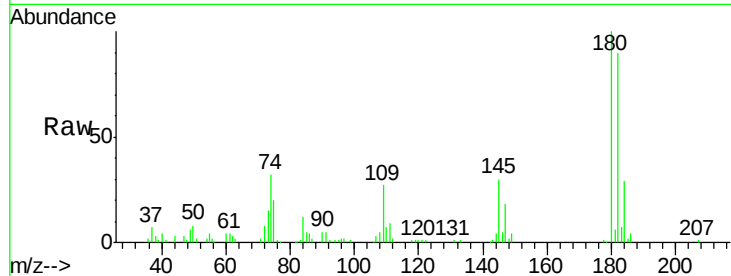




#93
 1,2,4-Trichlorobenzene
 Concen: 20.413 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

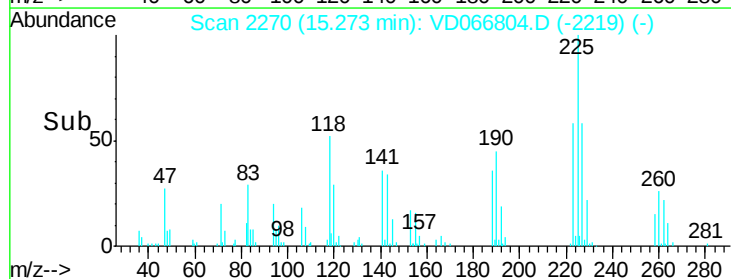
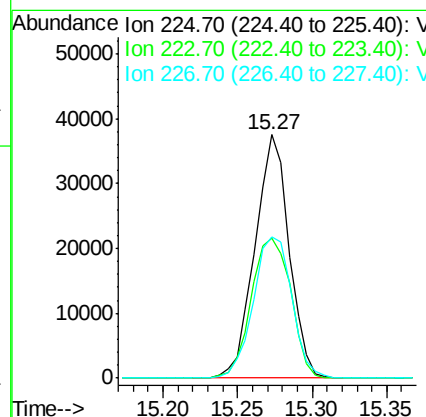
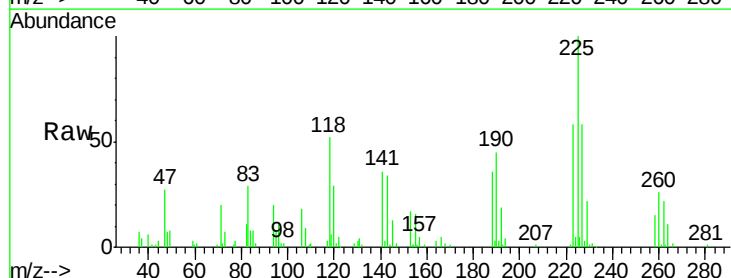
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

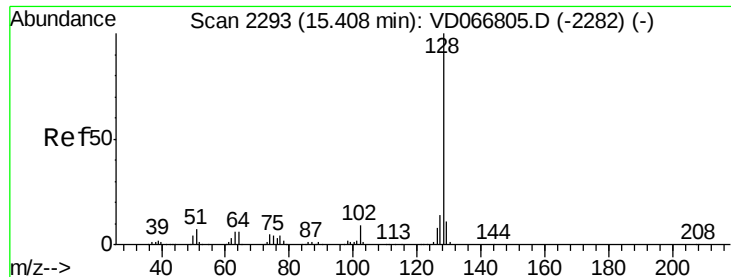
Tgt Ion:180 Resp: 101141
 Ion Ratio Lower Upper
 180 100
 182 94.3 48.8 146.3
 145 30.6 16.7 50.0



#94
 Hexachlorobutadiene
 Concen: 19.814 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066804.D
 Acq: 22 Sep 2020 11:43

Tgt Ion:225 Resp: 59233
 Ion Ratio Lower Upper
 225 100
 223 66.3 31.1 93.3
 227 65.4 31.7 95.1





#95

Naphthalene

Concen: 18.466 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

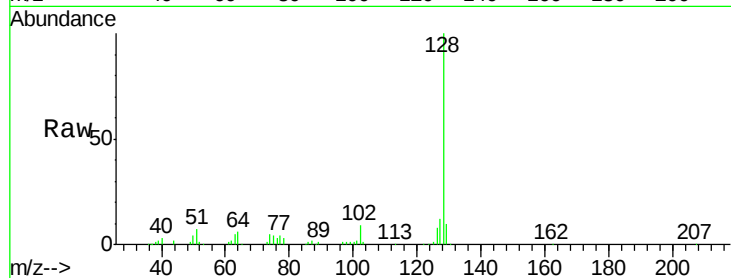
Tgt Ion:128 Resp: 161300

Ion Ratio Lower Upper

128 100

127 12.9 10.6 16.0

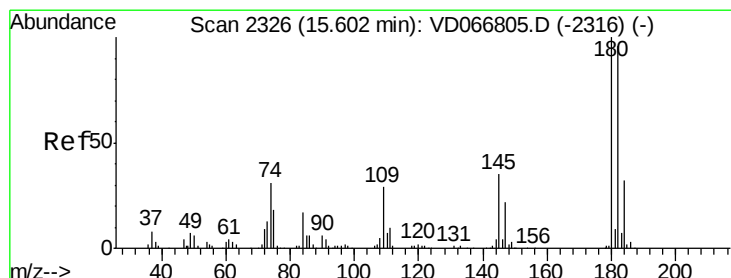
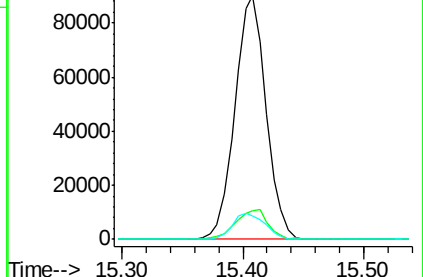
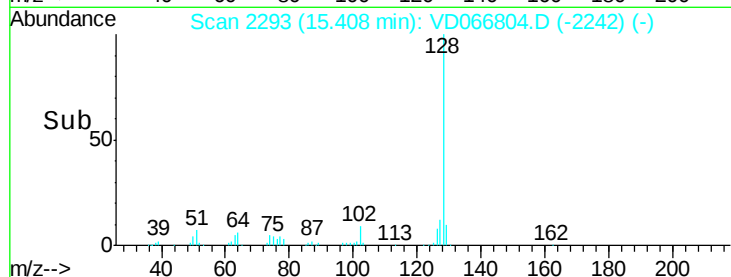
129 11.3 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.056 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD066804.D

Acq: 22 Sep 2020 11:43

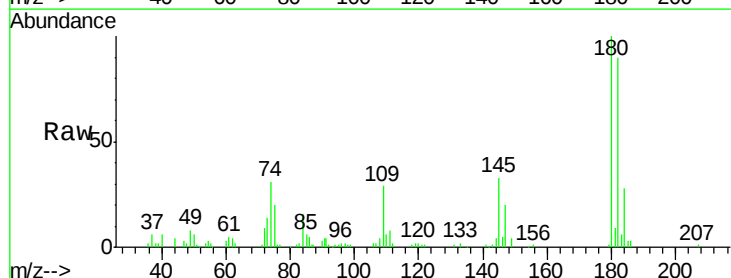
Tgt Ion:180 Resp: 87509

Ion Ratio Lower Upper

180 100

182 91.3 46.8 140.3

145 33.8 17.0 51.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

