

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072920\
 Data File : VD066084.D
 Acq On : 29 Jul 2020 11:03
 Operator : VA/SY
 Sample : VD0729SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 30 01:26:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	241657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	336620	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	315789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	170016	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	104332	53.06	ug/l	0.00
Spiked Amount			Recovery	=	106.12%	
35) Dibromofluoromethane	7.91	113	108245	53.02	ug/l	0.00
Spiked Amount			Recovery	=	106.04%	
50) Toluene-d8	10.34	98	413149	54.32	ug/l	0.00
Spiked Amount			Recovery	=	108.64%	
62) 4-Bromofluorobenzene	12.64	95	143888	54.56	ug/l	0.00
Spiked Amount			Recovery	=	109.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	43156	23.532	ug/l	97
3) Chloromethane	2.21	50	31830	21.268	ug/l	96
4) Vinyl Chloride	2.35	62	32016	22.464	ug/l	97
5) Bromomethane	2.76	94	22896	19.814	ug/l	88
6) Chloroethane	2.93	64	19092	22.441	ug/l #	88
7) Trichlorofluoromethane	3.27	101	81621	23.545	ug/l	99
8) Diethyl Ether	3.71	74	18491	19.297	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	47004	22.456	ug/l	98
10) Methyl Iodide	4.30	142	44169	26.020	ug/l	94
11) Tert butyl alcohol	5.20	59	7198	34.837	ug/l #	90
12) 1,1-Dichloroethene	4.06	96	43666	21.854	ug/l	91
13) Acrolein	3.92	56	12284	74.148	ug/l	96
14) Allyl chloride	4.71	41	58953	18.875	ug/l	90
15) Acrylonitrile	5.42	53	37765	92.252	ug/l	97
16) Acetone	4.16	43	36641	92.059	ug/l	90
17) Carbon Disulfide	4.41	76	124980	19.284	ug/l	98
18) Methyl Acetate	4.71	43	17244	18.624	ug/l #	74
19) Methyl tert-butyl Ether	5.47	73	86230	21.005	ug/l	98
20) Methylene Chloride	4.96	84	47498	19.791	ug/l	93
21) trans-1,2-Dichloroethene	5.46	96	47529	21.047	ug/l	91
22) Diisopropyl ether	6.36	45	114796	19.346	ug/l	93
23) Vinyl Acetate	6.30	43	320525	95.781	ug/l	98
24) 1,1-Dichloroethane	6.26	63	74818	20.810	ug/l	98
25) 2-Butanone	7.21	43	46441	87.934	ug/l	100
26) 2,2-Dichloropropane	7.20	77	72821	22.524	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	51561	21.565	ug/l	96
28) Bromochloromethane	7.54	49	29598	19.396	ug/l	87
29) Tetrahydrofuran	7.56	42	28829	88.470	ug/l	91
30) Chloroform	7.70	83	82445	21.922	ug/l	91
31) Cyclohexane	7.98	56	70000	19.790	ug/l #	84
32) 1,1,1-Trichloroethane	7.90	97	82884	23.826	ug/l	98
36) 1,1-Dichloropropene	8.11	75	64371	22.406	ug/l	97
37) Ethyl Acetate	7.29	43	21393	19.498	ug/l	98
38) Carbon Tetrachloride	8.09	117	80262	25.748	ug/l	93

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Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 30 01:26:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	75316	21.648	ug/l	96
40) Benzene	8.35	78	174534	21.715	ug/l	97
41) Methacrylonitrile	7.51	41	11935	18.989	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	52122	23.666	ug/l	97
43) Isopropyl Acetate	8.46	43	40767	19.024	ug/l	97
44) Trichloroethene	9.11	130	52646	21.645	ug/l	100
45) 1,2-Dichloropropane	9.39	63	41249	21.190	ug/l	90
46) Dibromomethane	9.47	93	23339	22.272	ug/l	95
47) Bromodichloromethane	9.66	83	63519	22.925	ug/l	100
48) Methyl methacrylate	9.46	41	20297	18.777	ug/l	89
49) 1,4-Dioxane	9.47	88	5165	425.433	ug/l	88
51) 4-Methyl-2-Pentanone	10.23	43	104901	97.156	ug/l	97
52) Toluene	10.40	92	117365	22.392	ug/l	95
53) t-1,3-Dichloropropene	10.62	75	58840	22.794	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	69226	22.123	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	32936	22.161	ug/l	92
56) Ethyl methacrylate	10.66	69	36207	20.954	ug/l #	90
57) 1,3-Dichloropropane	10.95	76	53876	21.898	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	89650	108.609	ug/l	95
59) 2-Hexanone	10.98	43	72009	96.239	ug/l	93
60) Dibromochloromethane	11.14	129	47272	23.591	ug/l	97
61) 1,2-Dibromoethane	11.25	107	32477	22.664	ug/l	99
64) Tetrachloroethene	10.88	164	52081	24.299	ug/l	96
65) Chlorobenzene	11.67	112	133003	23.003	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	50601	23.701	ug/l	99
67) Ethyl Benzene	11.75	91	227199	22.834	ug/l	100
68) m/p-Xylenes	11.86	106	181321	47.411	ug/l	99
69) o-Xylene	12.18	106	77811	22.369	ug/l	92
70) Styrene	12.20	104	146696	24.545	ug/l	98
71) Bromoform	12.37	173	29330	23.454	ug/l #	99
73) Isopropylbenzene	12.48	105	234290	22.774	ug/l	98
74) N-amyl acetate	12.29	43	40427	18.953	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	33324	19.600	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	45876	35.837	ug/l #	100
77) Bromobenzene	12.77	156	56853	21.624	ug/l	96
78) n-propylbenzene	12.83	91	271530	22.745	ug/l	99
79) 2-Chlorotoluene	12.91	91	147478	21.624	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	200012	23.664	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.54	75	10439	18.712	ug/l	96
82) 4-Chlorotoluene	13.01	91	158110	21.964	ug/l	99
83) tert-Butylbenzene	13.23	119	166412	22.500	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	194324	23.304	ug/l	100
85) sec-Butylbenzene	13.41	105	232566	22.829	ug/l	99
86) p-Isopropyltoluene	13.53	119	221663	23.950	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	110540	22.645	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	111838	22.664	ug/l	99
89) n-Butylbenzene	13.86	91	194592	22.612	ug/l	99
90) Hexachloroethane	14.12	117	42074	21.960	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	96201	22.743	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	6017	21.594	ug/l	88

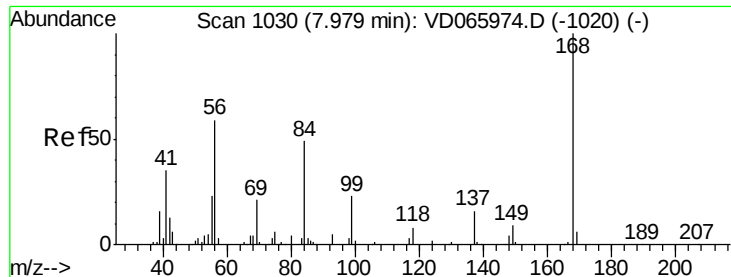
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072920\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	70236	23.133	ug/l	99
94) Hexachlorobutadiene	15.28	225	45595	24.291	ug/l	97
95) Naphthalene	15.41	128	102403	21.168	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	60297	22.844	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

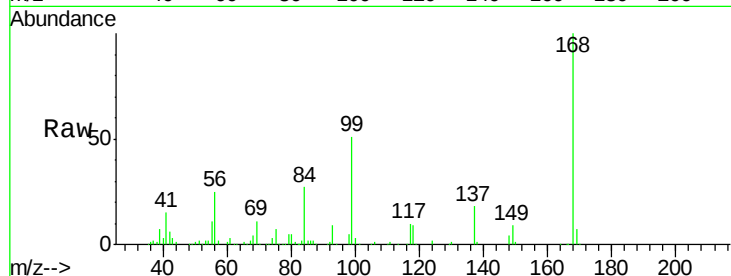
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 241657

Ion Ratio Lower Upper

168 100

99 50.6 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

60000

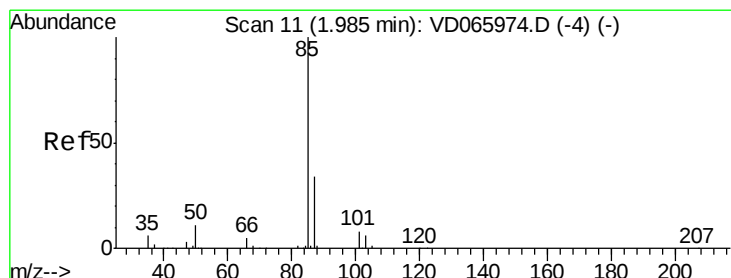
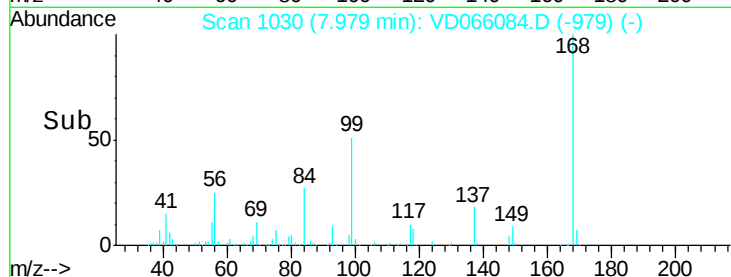
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 23.532 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066084.D

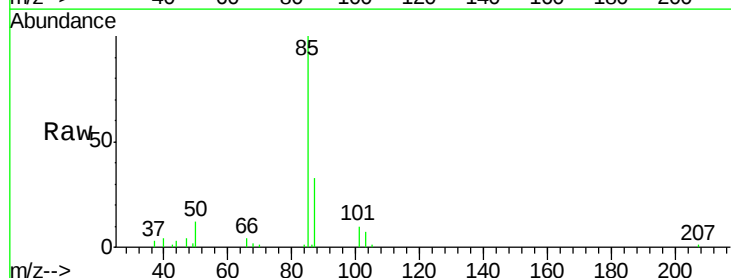
Acq: 29 Jul 2020 11:03

Tgt Ion: 85 Resp: 43156

Ion Ratio Lower Upper

85 100

87 32.9 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

30000

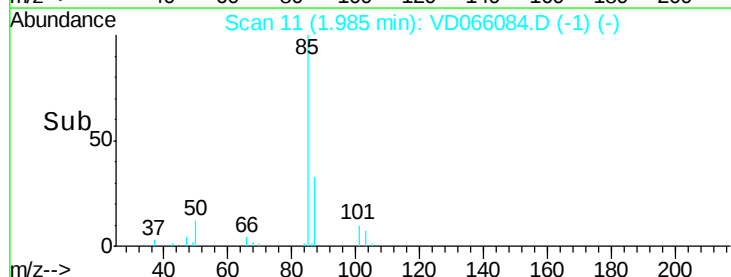
20000

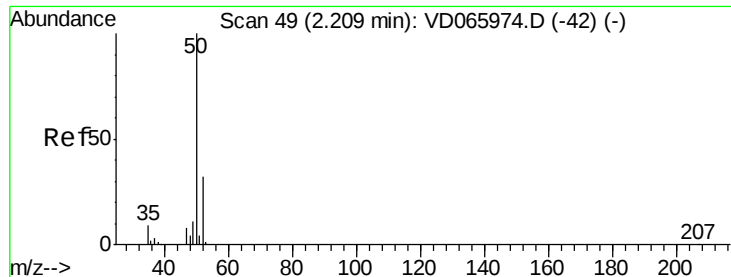
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.268 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

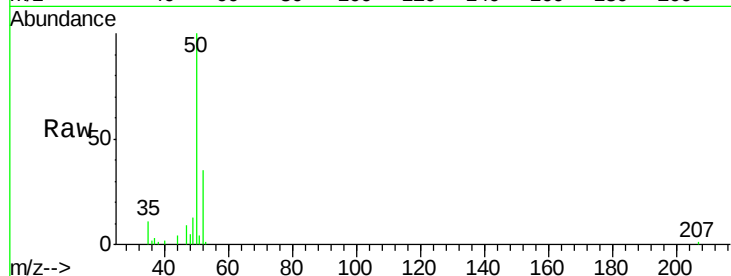
ClientSampleId :

Tot Ion: 50 Resp: 31830

Ion Ratio Lower Upper

50 100

52 34.6 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

25000

20000

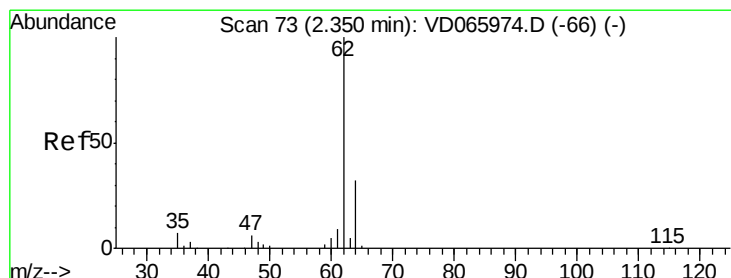
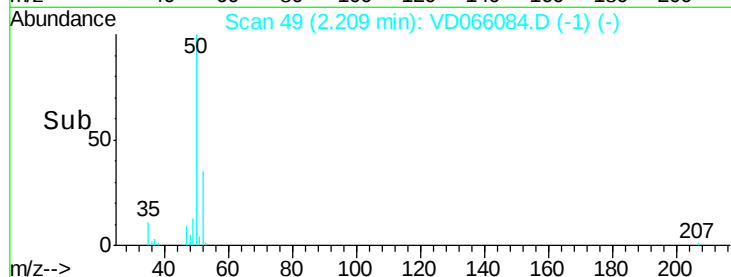
15000

10000

5000

0

Time-->



#4

Vinyl Chloride

Concen: 22.464 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066084.D

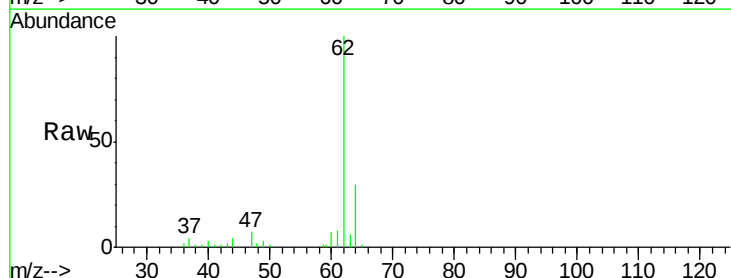
Acq: 29 Jul 2020 11:03

Tgt Ion: 62 Resp: 32016

Ion Ratio Lower Upper

62 100

64 30.5 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

25000

20000

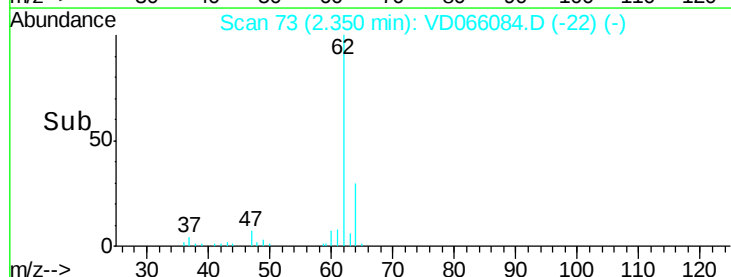
15000

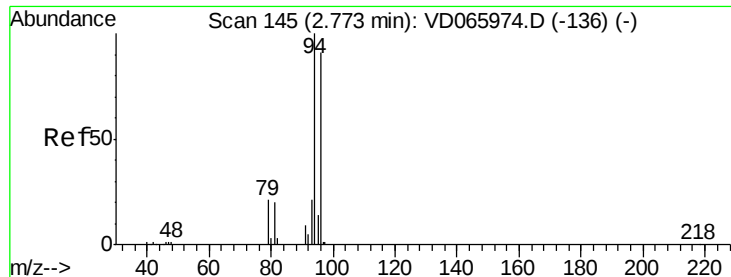
10000

5000

0

Time-->





#5

Bromomethane

Concen: 19.814 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

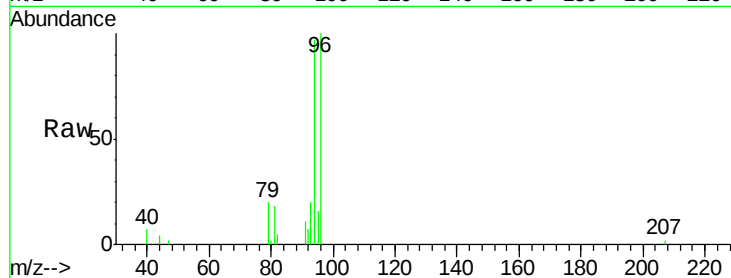
ClientSampleId :

Tot Ion: 94 Resp: 22896

Ion Ratio Lower Upper

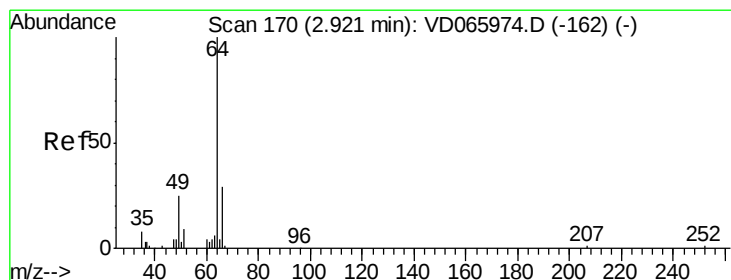
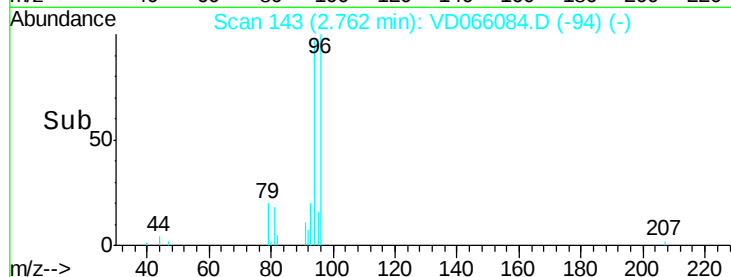
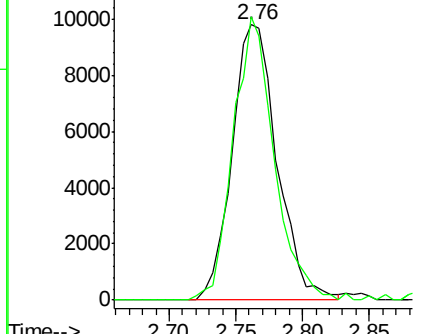
94 100

96 102.7 73.0 109.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 22.441 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD066084.D

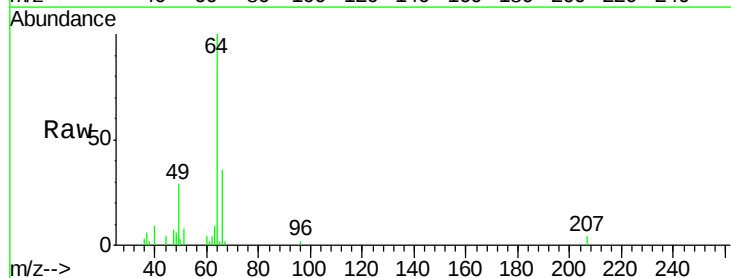
Acq: 29 Jul 2020 11:03

Tgt Ion: 64 Resp: 19092

Ion Ratio Lower Upper

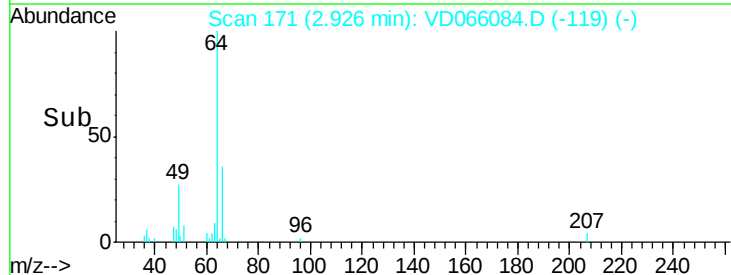
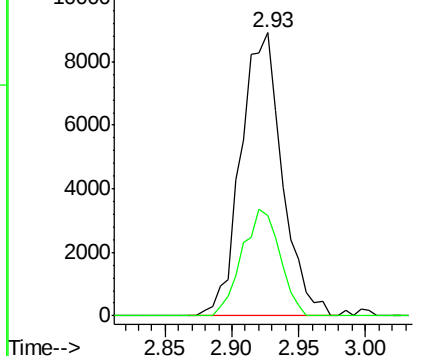
64 100

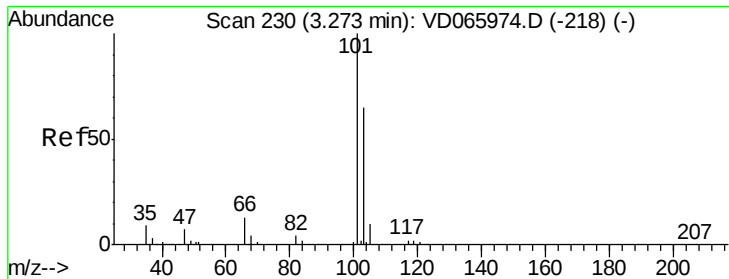
66 35.6 23.4 35.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 23.545 ug/l

RT: 3.27 min Scan# 230

Delta R.T. 0.00 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

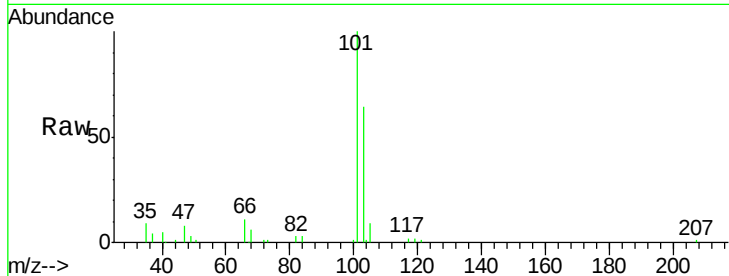
ClientSampleId :

Tot Ion:101 Resp: 81621

Ion Ratio Lower Upper

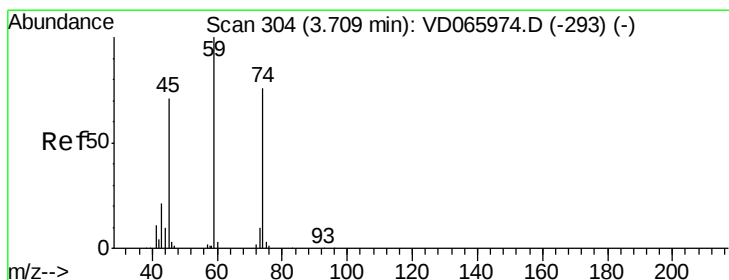
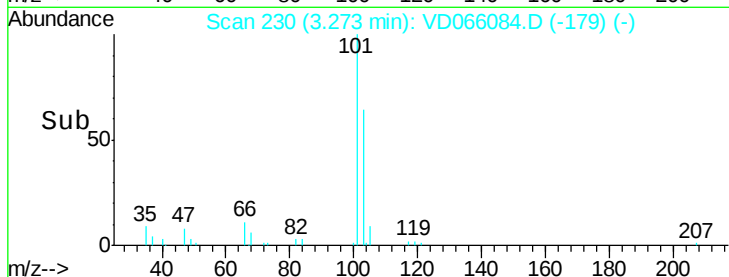
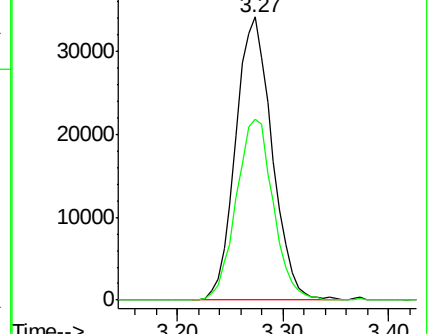
101 100

103 64.0 52.1 78.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.297 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD066084.D

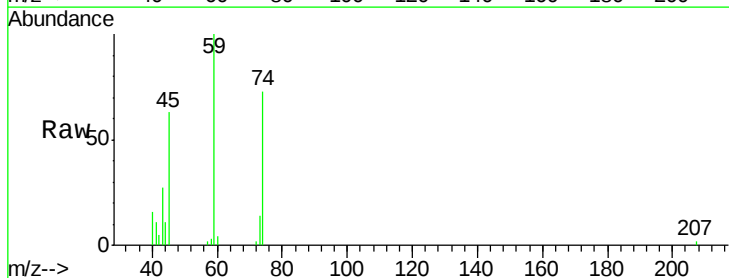
Acq: 29 Jul 2020 11:03

Tgt Ion: 74 Resp: 18491

Ion Ratio Lower Upper

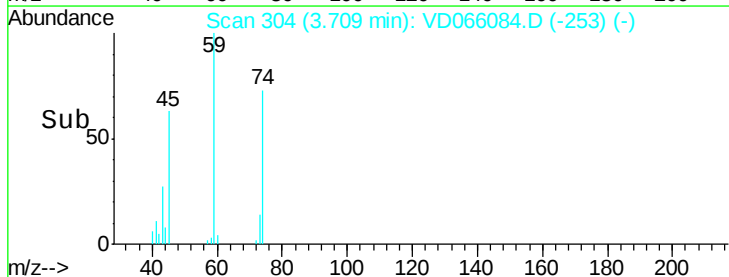
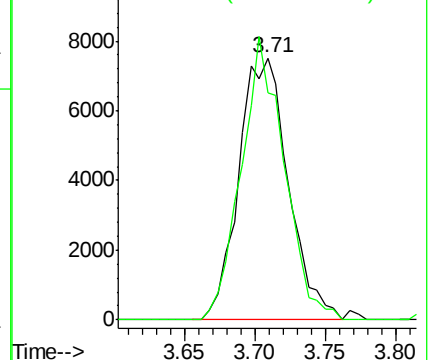
74 100

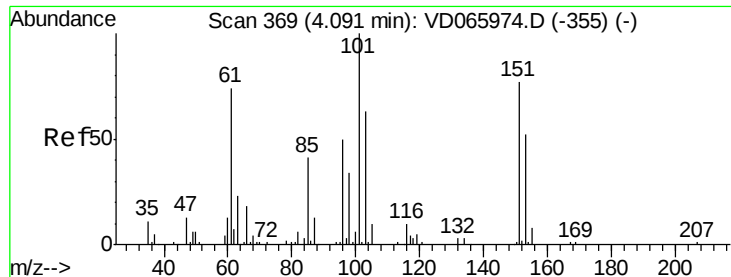
45 94.1 49.9 149.6



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.456 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

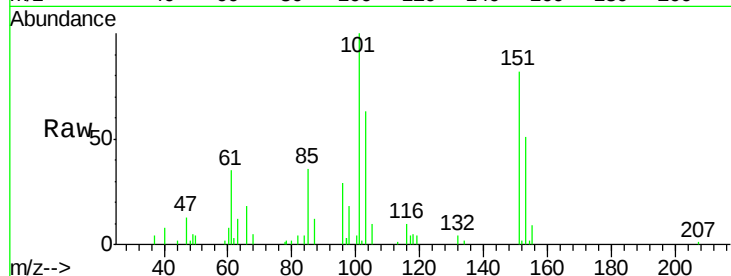
Tot Ion:101 Resp: 47004

Ion Ratio Lower Upper

101 100

85 42.7 33.6 50.4

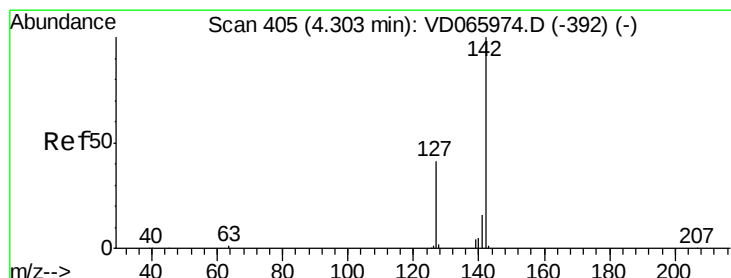
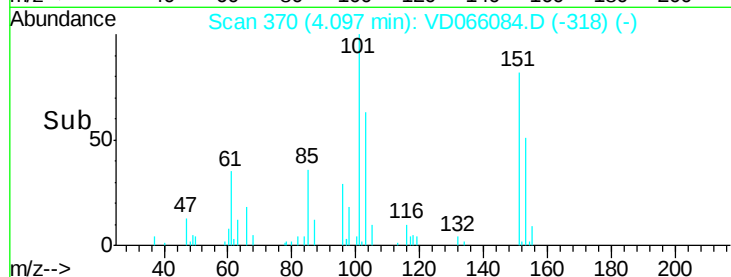
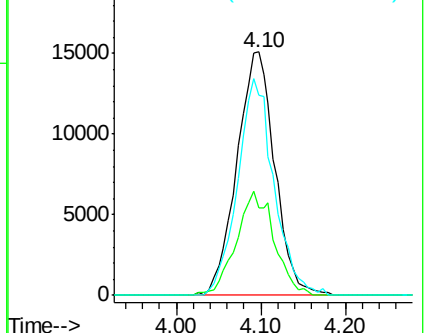
151 85.5 66.6 99.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 26.020 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

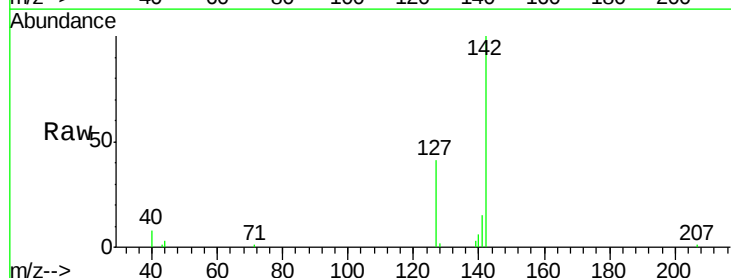
Tgt Ion:142 Resp: 44169

Ion Ratio Lower Upper

142 100

127 44.9 32.9 49.3

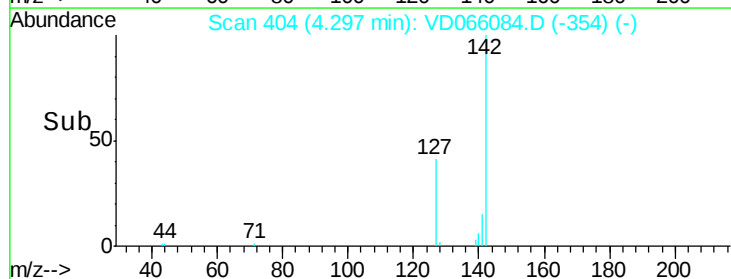
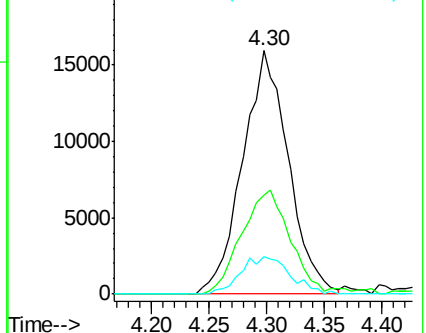
141 16.5 11.8 17.6

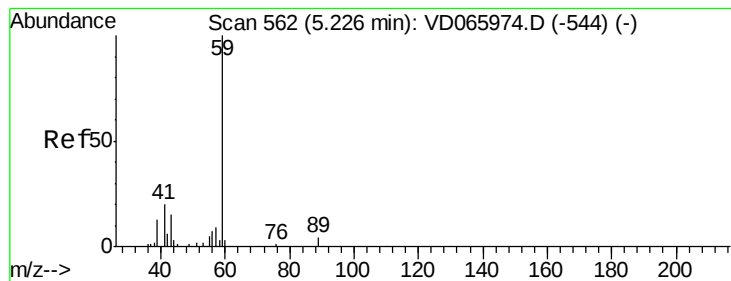


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



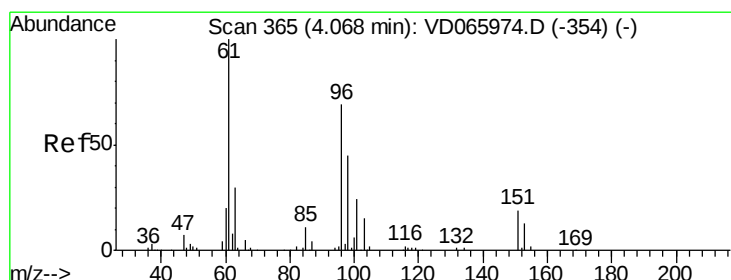
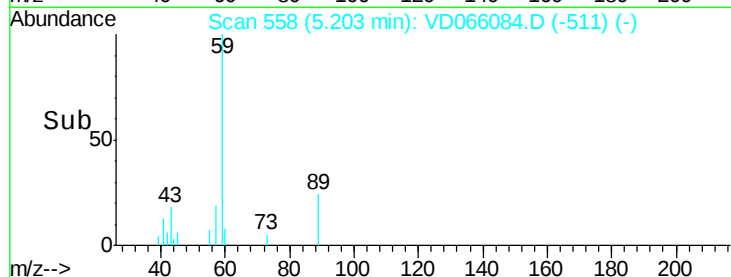
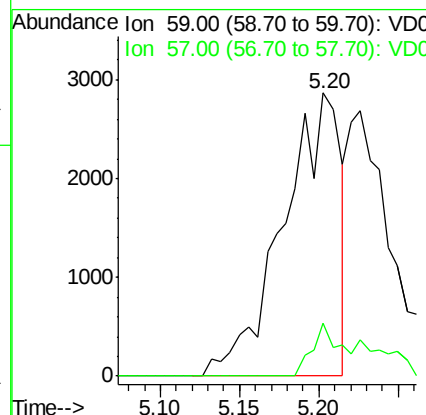
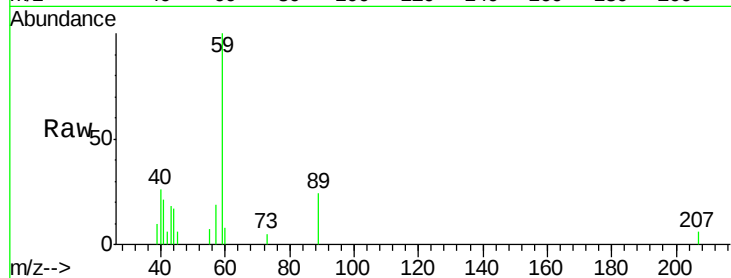


#11

Tert butyl alcohol
Concen: 34.837 ug/l
RT: 5.20 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :

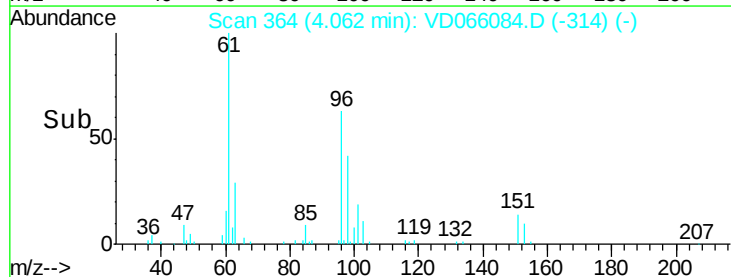
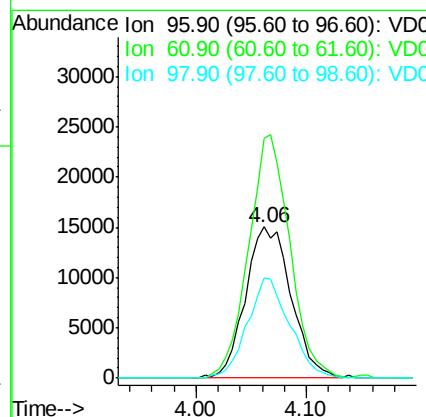
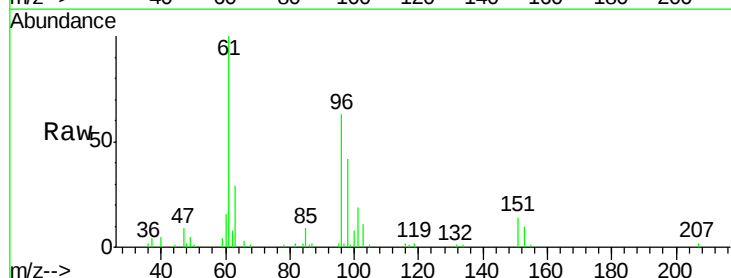
Tot Ion: 59 Resp: 7198
Ion Ratio Lower Upper
59 100
57 9.0 4.5 6.7#

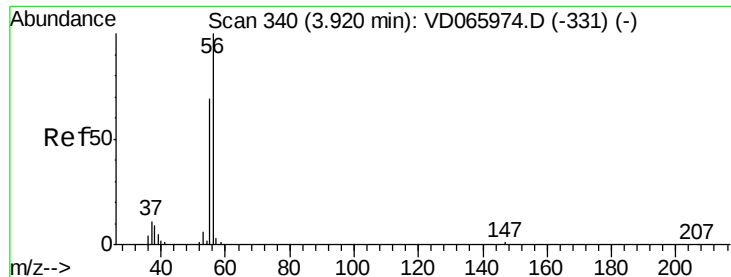


#12

1,1-Dichloroethene
Concen: 21.854 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion: 96 Resp: 43666
Ion Ratio Lower Upper
96 100
61 158.6 115.4 173.0
98 66.2 51.5 77.3





#13

Acrolein

Concen: 74.148 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

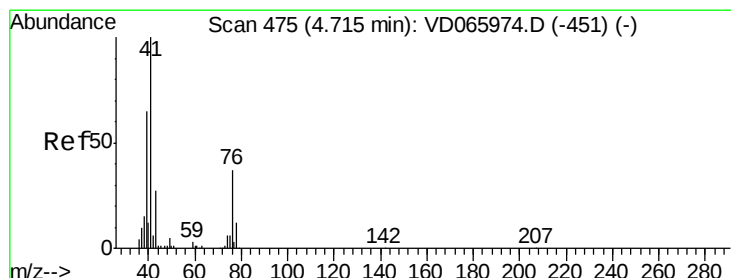
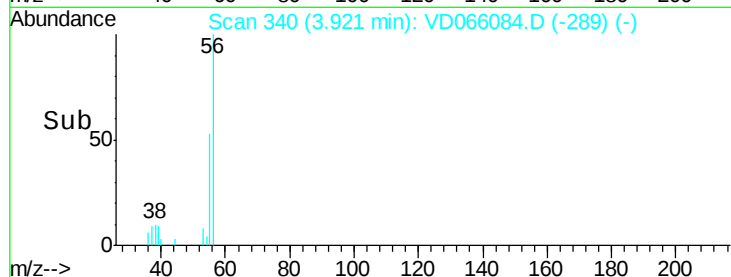
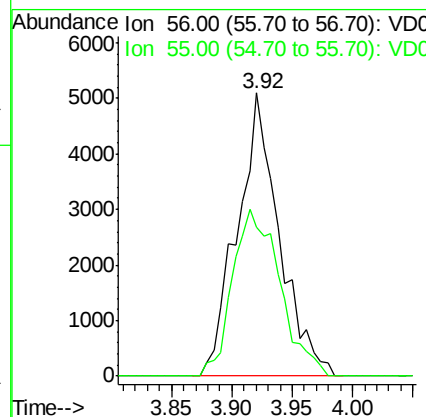
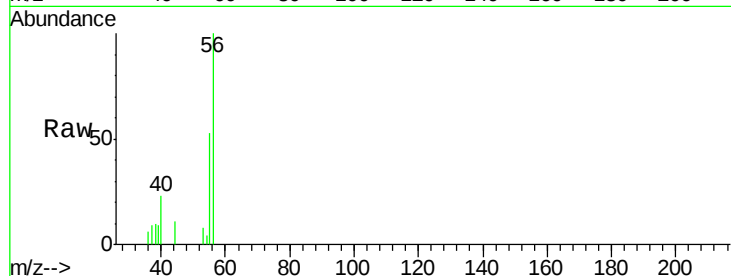
ClientSampleId :

Tot Ion: 56 Resp: 12284

Ion Ratio Lower Upper

56 100

55 66.8 55.8 83.8



#14

Allyl chloride

Concen: 18.875 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

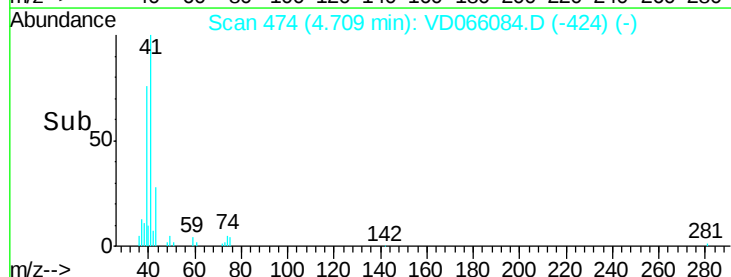
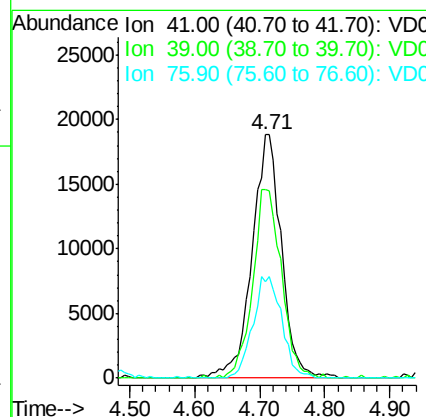
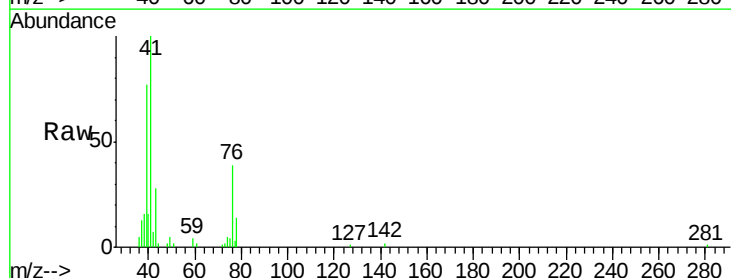
Tgt Ion: 41 Resp: 58953

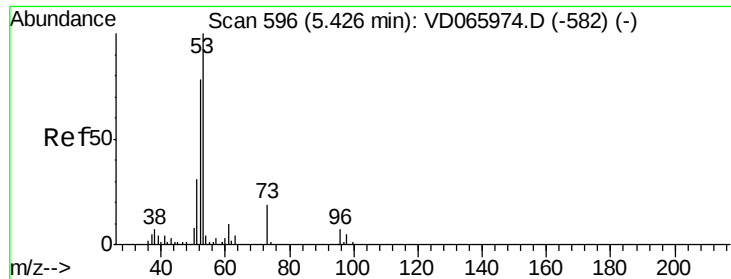
Ion Ratio Lower Upper

41 100

39 75.4 53.4 80.2

76 40.8 29.1 43.7





#15

Acrylonitrile

Concen: 92.252 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

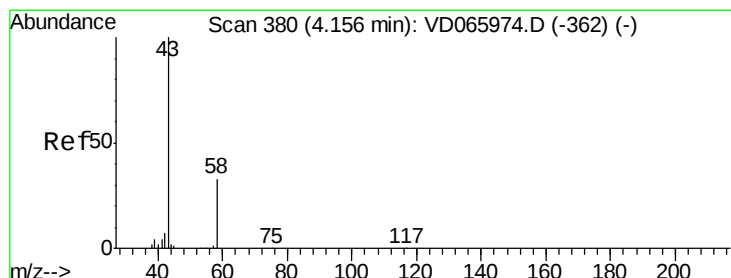
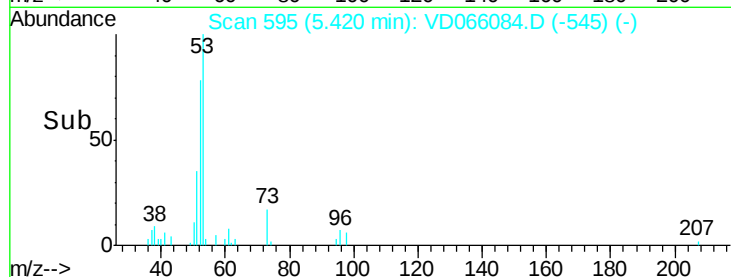
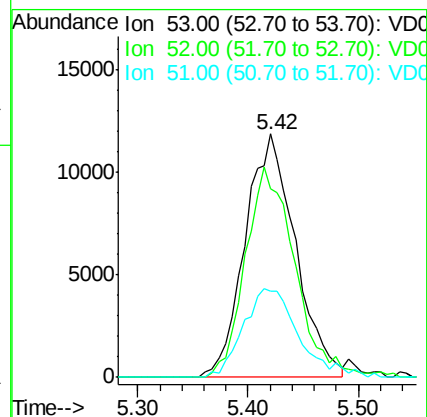
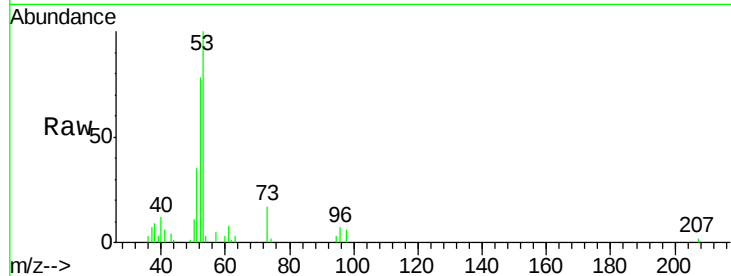
Tot Ion: 53 Resp: 37765

Ion Ratio Lower Upper

53 100

52 85.2 67.1 100.7

51 40.1 28.7 43.1



#16

Acetone

Concen: 92.059 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066084.D

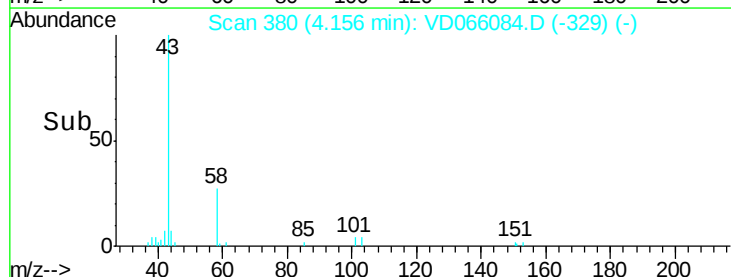
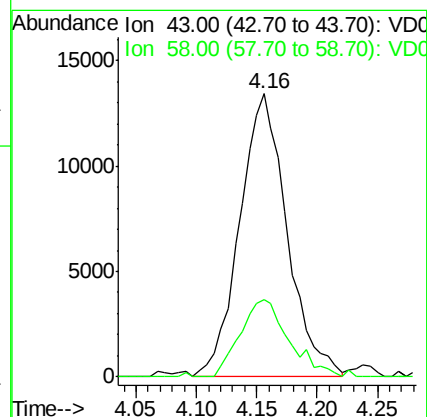
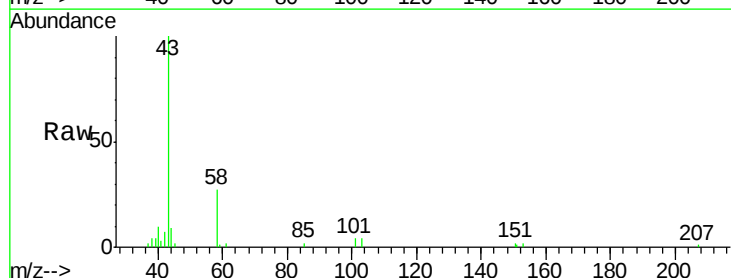
Acq: 29 Jul 2020 11:03

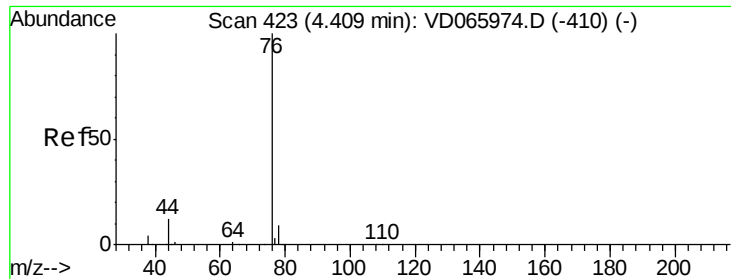
Tgt Ion: 43 Resp: 36641

Ion Ratio Lower Upper

43 100

58 27.4 26.3 39.5





#17

Carbon Disulfide

Concen: 19.284 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

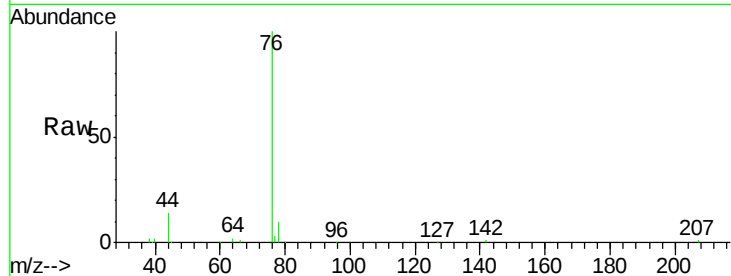
ClientSampleId :

Tot Ion: 76 Resp: 124980

Ion Ratio Lower Upper

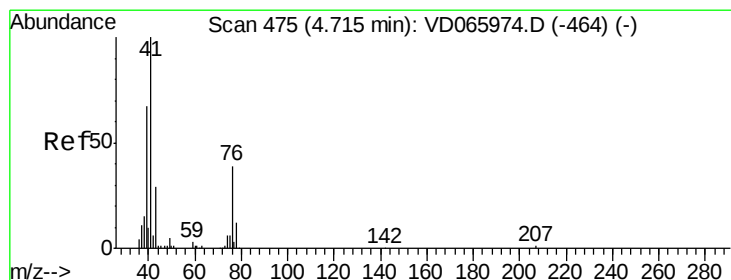
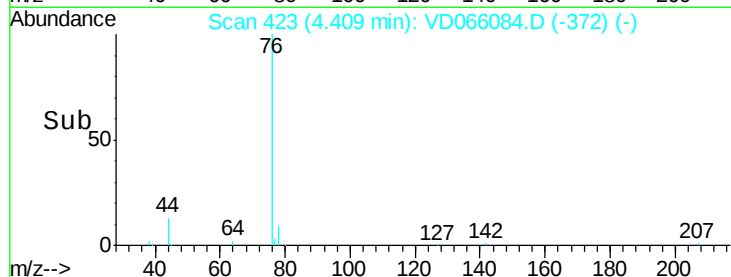
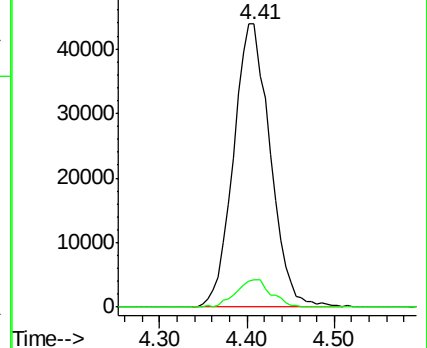
76 100

78 9.9 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 18.624 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD066084.D

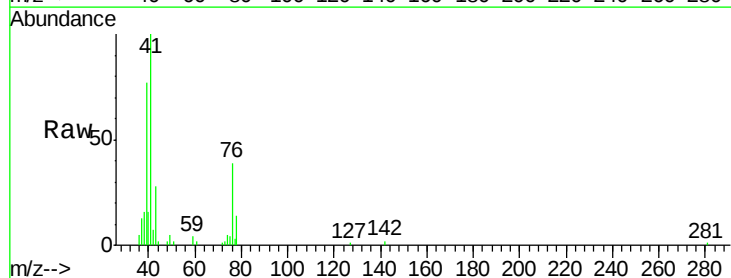
Acq: 29 Jul 2020 11:03

Tgt Ion: 43 Resp: 17244

Ion Ratio Lower Upper

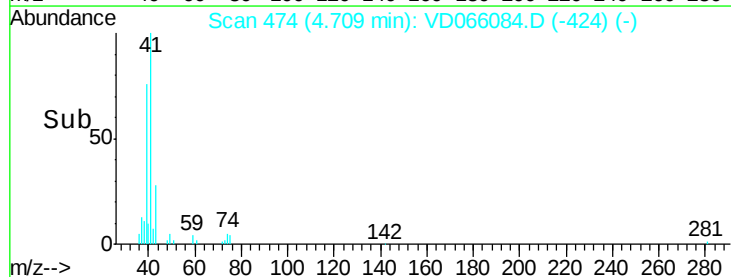
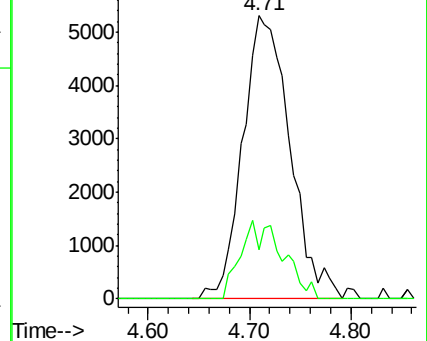
43 100

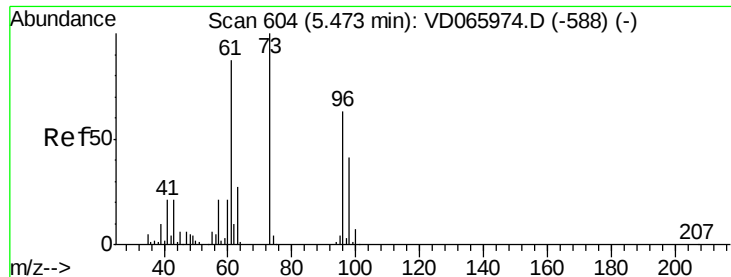
74 11.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

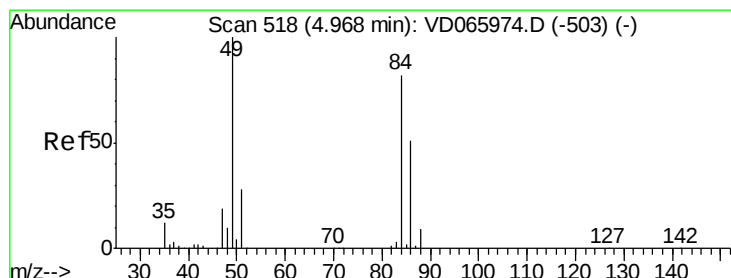
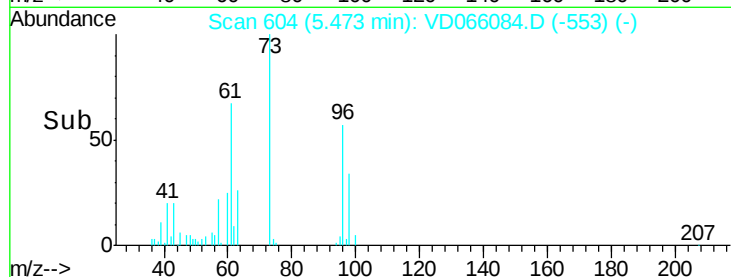
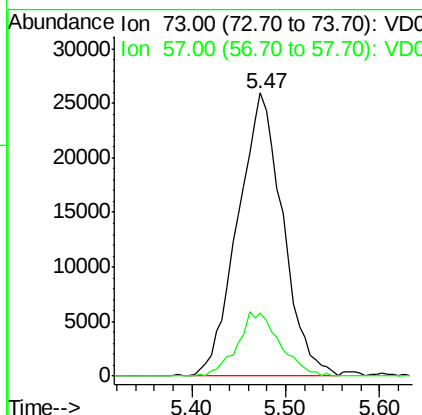
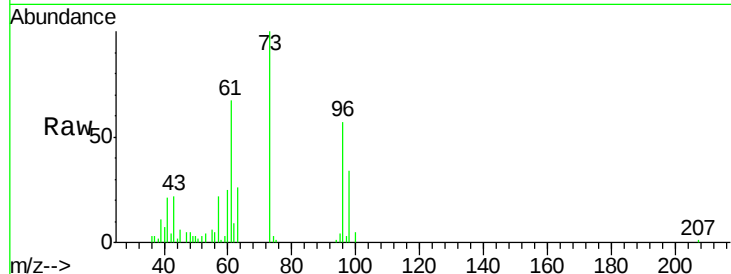




#19
Methyl tert-butyl Ether
Concen: 21.005 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

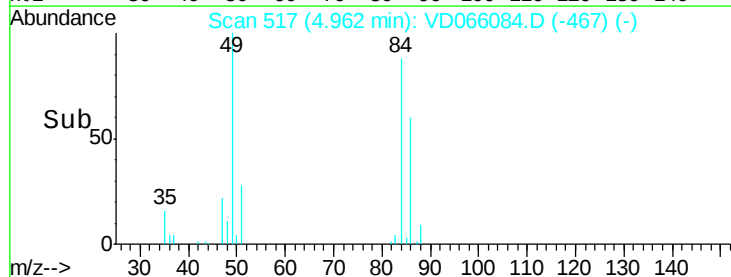
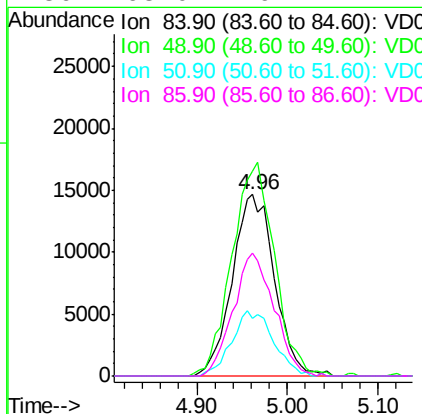
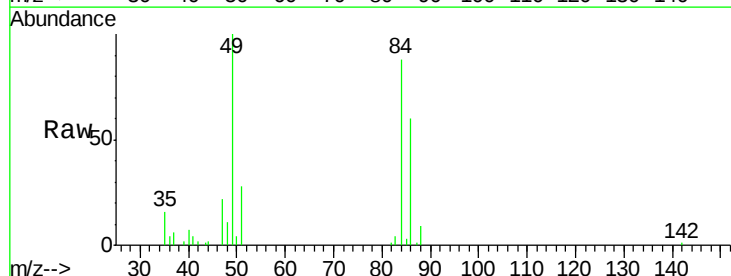
Instrument :
MSVOA_D
ClientSampled :

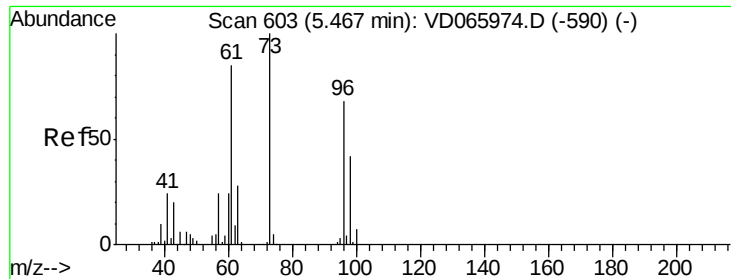
Tot Ion: 73 Resp: 86230
Ion Ratio Lower Upper
73 100
57 22.1 17.0 25.4



#20
Methylene Chloride
Concen: 19.791 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion: 84 Resp: 47498
Ion Ratio Lower Upper
84 100
49 113.0 97.7 146.5
51 32.0 27.4 41.2
86 68.0 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 21.047 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

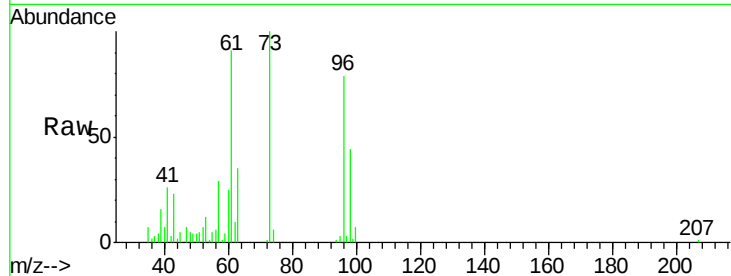
Tot Ion: 96 Resp: 47529

Ion Ratio Lower Upper

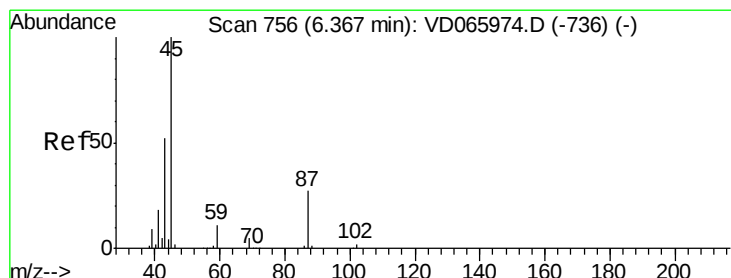
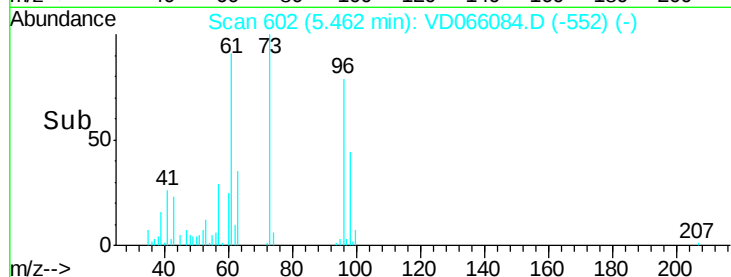
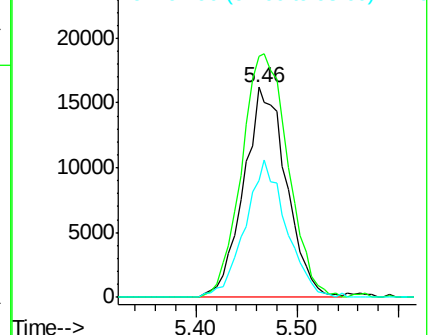
96 100

61 115.1 100.5 150.7

98 55.5 49.7 74.5



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



#22

Diisopropyl ether

Concen: 19.346 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Tgt Ion: 45 Resp: 114796

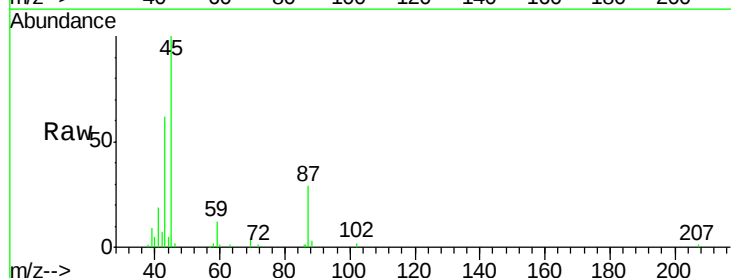
Ion Ratio Lower Upper

45 100

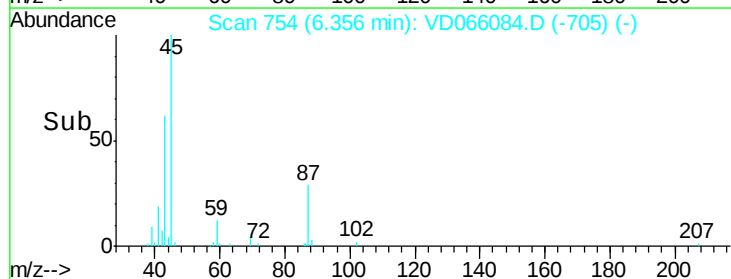
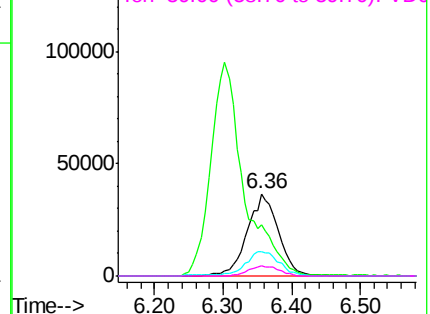
43 60.8 43.0 64.4

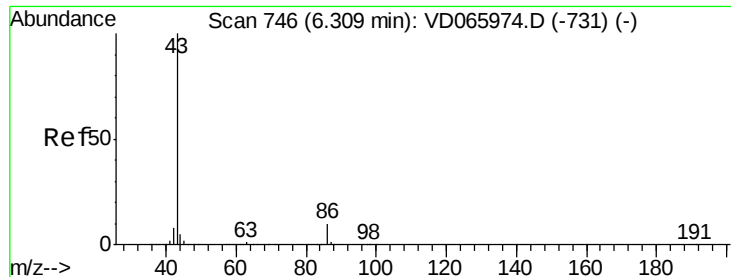
87 28.9 22.0 33.0

59 12.2 9.1 13.7



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: 95.781 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

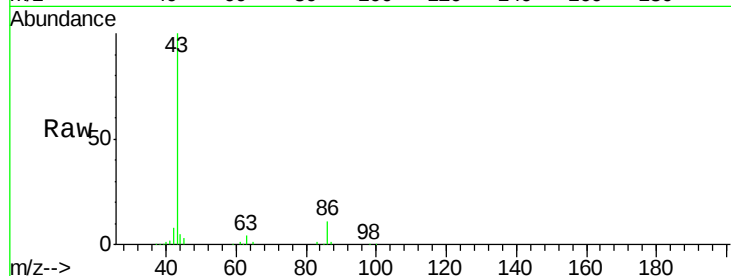
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 320525

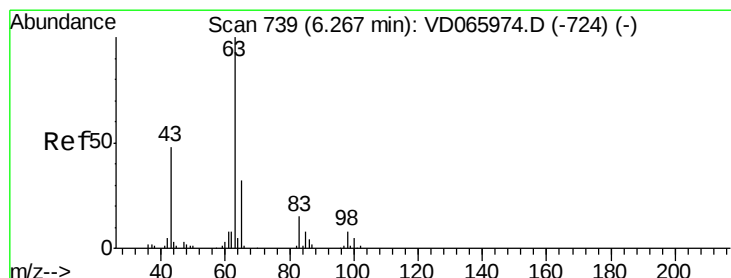
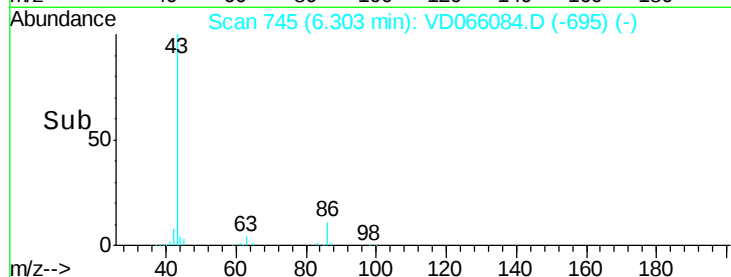
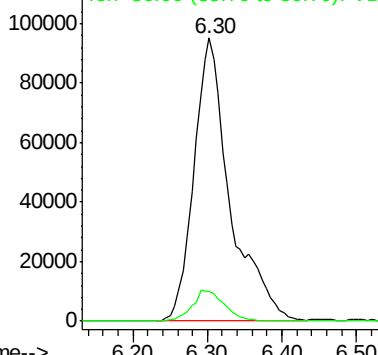
Ion Ratio Lower Upper

43 100

86 10.7 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.810 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

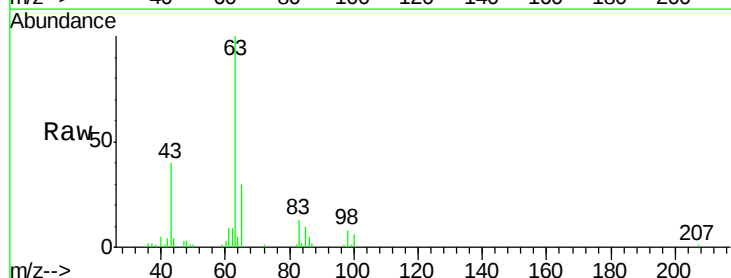
Tgt Ion: 63 Resp: 74818

Ion Ratio Lower Upper

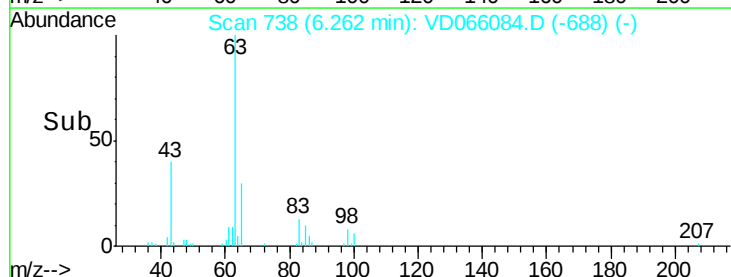
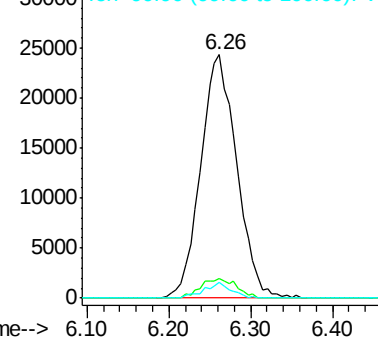
63 100

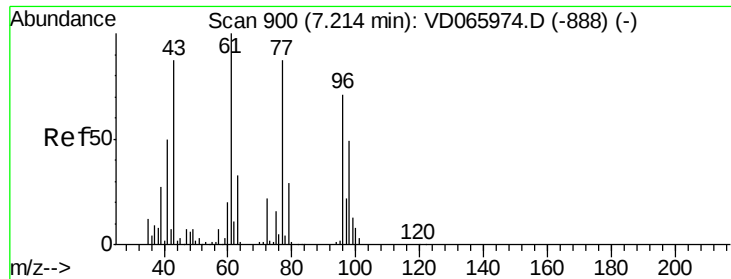
98 8.0 4.3 12.8

100 6.2 2.5 7.5



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: 87.934 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

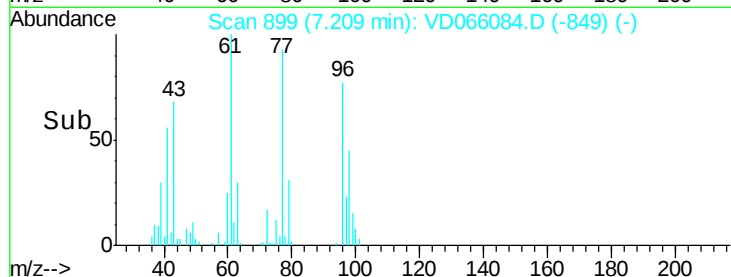
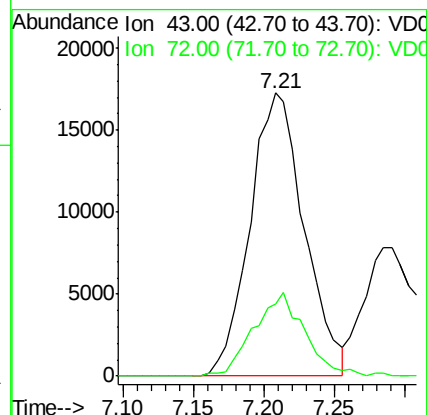
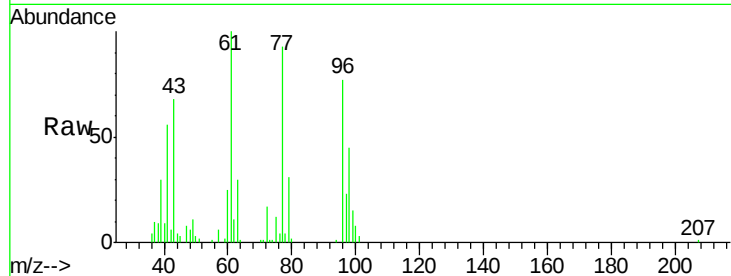
ClientSampleId :

Tot Ion: 43 Resp: 46441

Ion Ratio Lower Upper

43 100

72 25.4 20.2 30.2



#26

2,2-Dichloropropane

Concen: 22.524 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066084.D

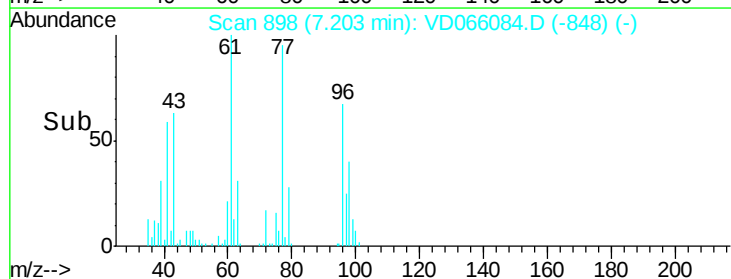
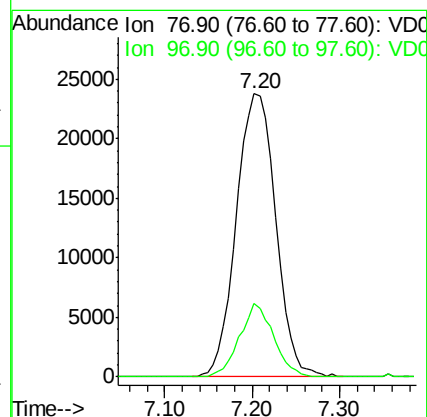
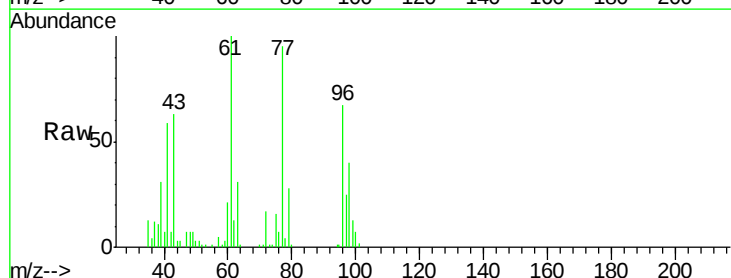
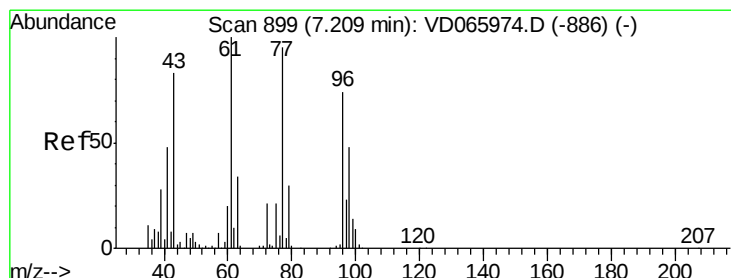
Acq: 29 Jul 2020 11:03

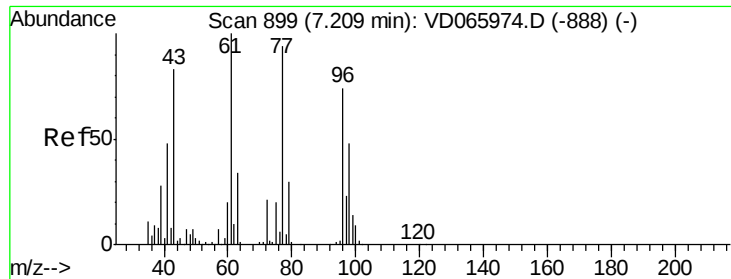
Tgt Ion: 77 Resp: 72821

Ion Ratio Lower Upper

77 100

97 22.2 11.6 34.7



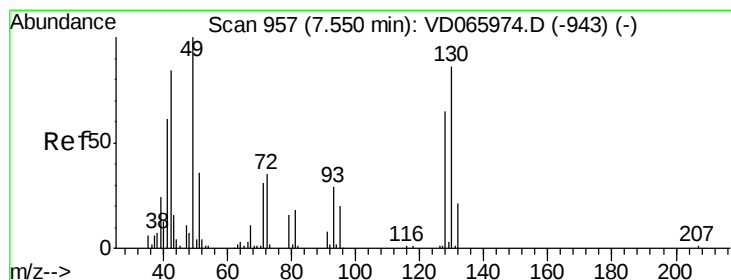
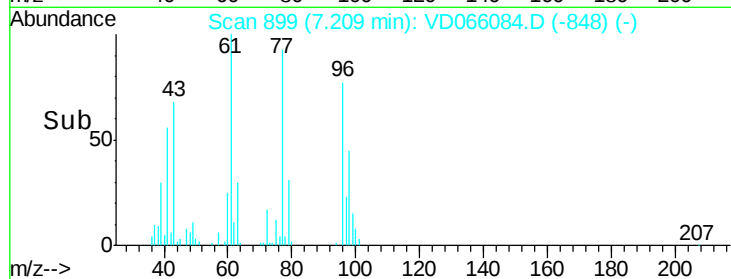
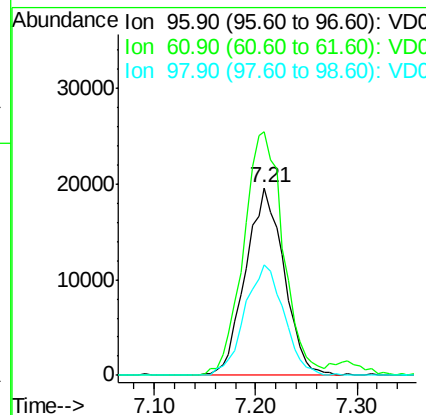
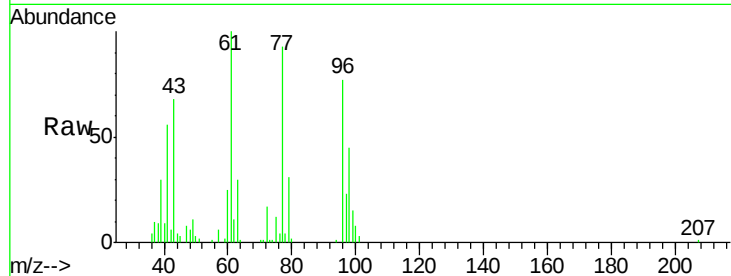


#27

cis-1,2-Dichloroethene
Concen: 21.565 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Instrument :
MSVOA_D
ClientSampled :

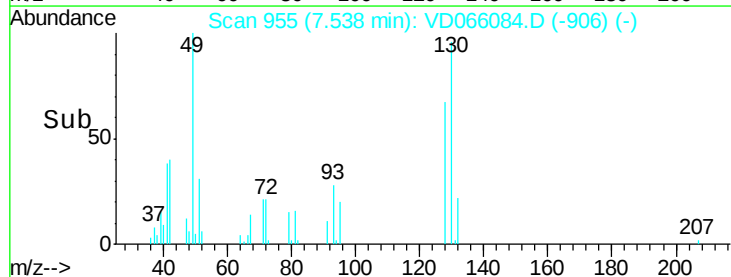
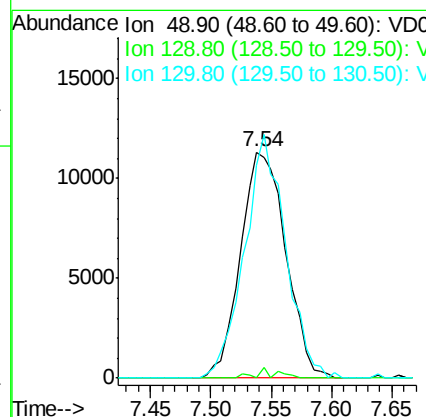
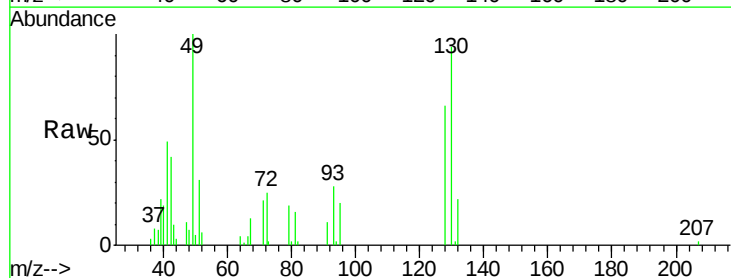
Tot Ion: 96 Resp: 51561
Ion Ratio Lower Upper
96 100
61 134.3 0.0 276.6
98 60.0 0.0 130.8

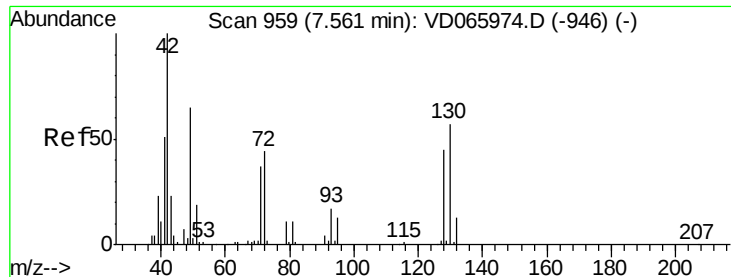


#28

Bromochloromethane
Concen: 19.396 ug/l
RT: 7.54 min Scan# 955
Delta R.T. -0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion: 49 Resp: 29598
Ion Ratio Lower Upper
49 100
129 1.1 0.0 4.8
130 97.5 68.4 102.6

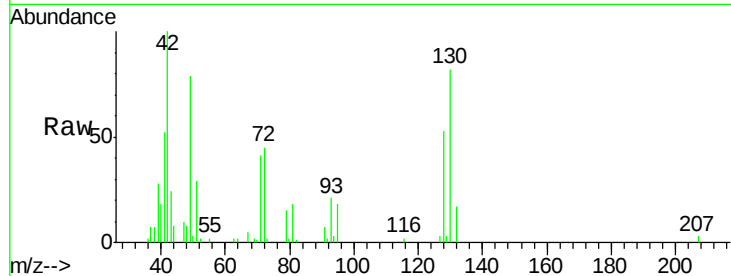




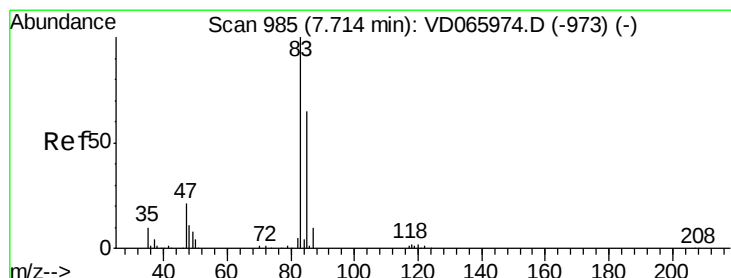
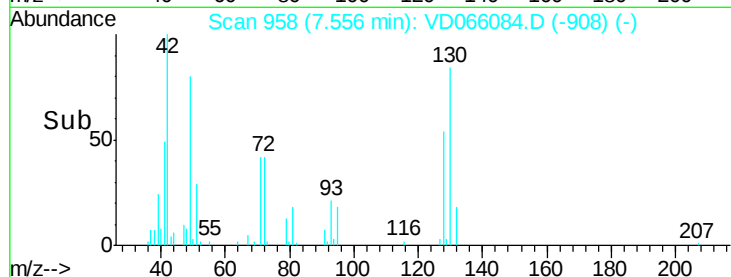
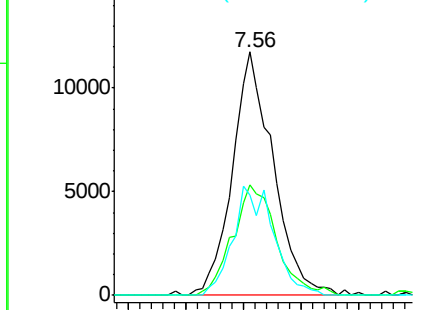
#29
Tetrahydrofuran
Concen: 88.470 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 28829
Ion Ratio Lower Upper
42 100
72 49.0 34.2 51.2
71 44.6 31.4 47.2

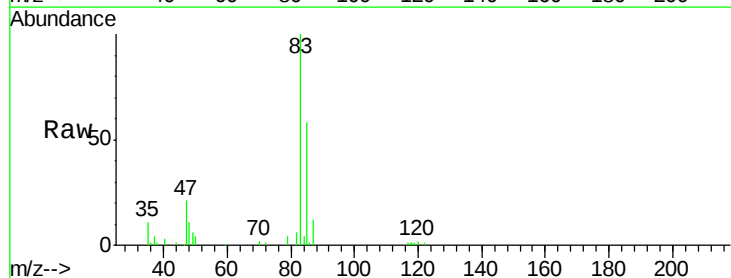


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

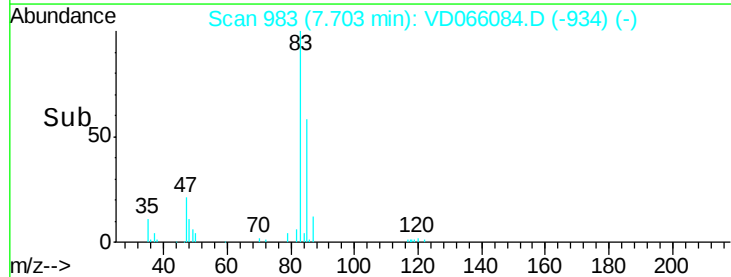
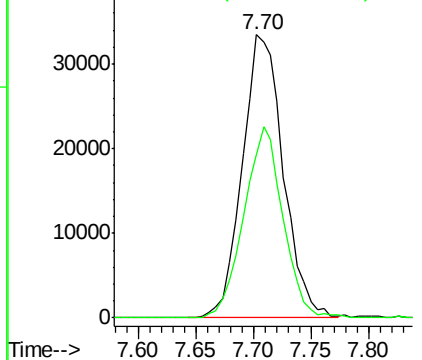


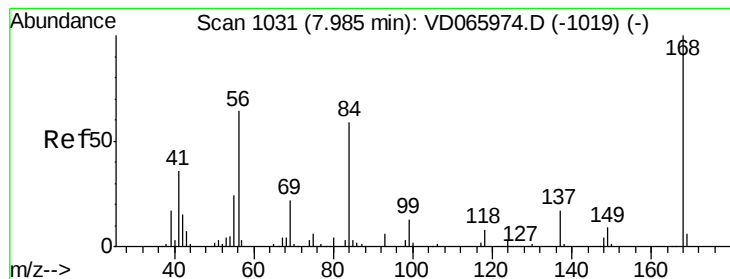
#30
Chloroform
Concen: 21.922 ug/l
RT: 7.70 min Scan# 983
Delta R.T. -0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion: 83 Resp: 82445
Ion Ratio Lower Upper
83 100
85 57.7 52.1 78.1



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





#31

Cyclohexane

Concen: 19.790 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

ClientSampled :

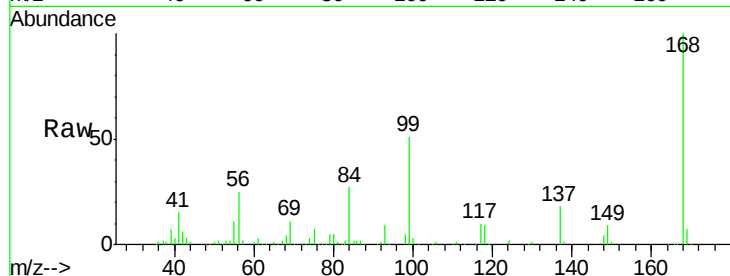
Tot Ion: 56 Resp: 70000

Ion Ratio Lower Upper

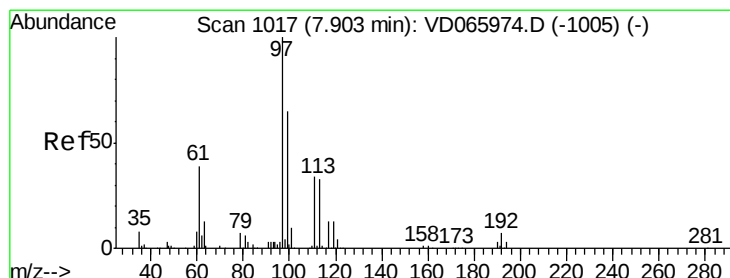
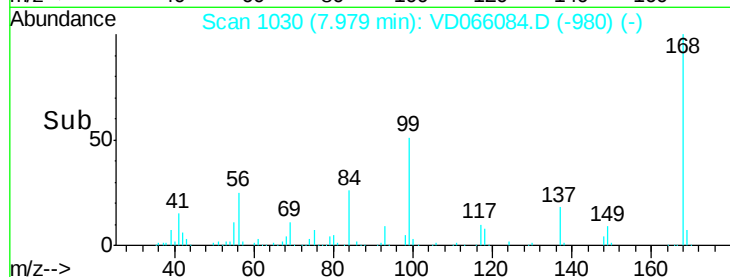
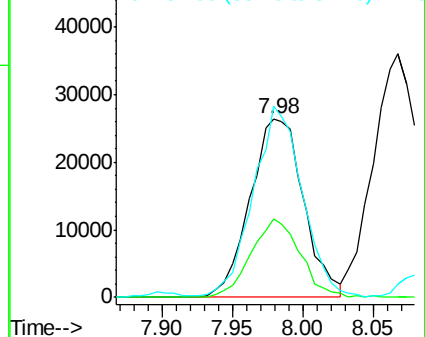
56 100

69 43.7 28.0 42.0#

84 105.9 72.6 109.0



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: 23.826 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

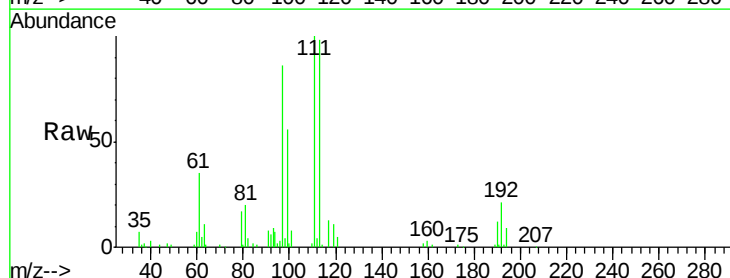
Tgt Ion: 97 Resp: 82884

Ion Ratio Lower Upper

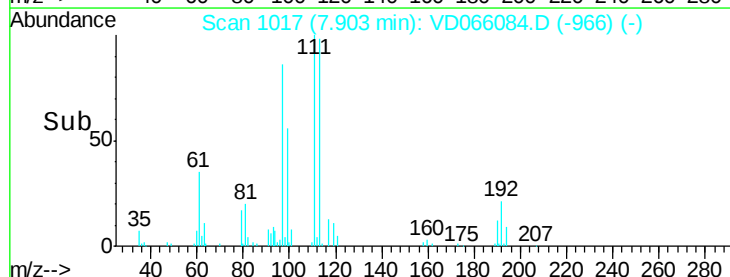
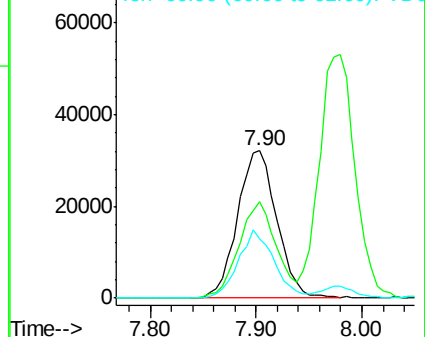
97 100

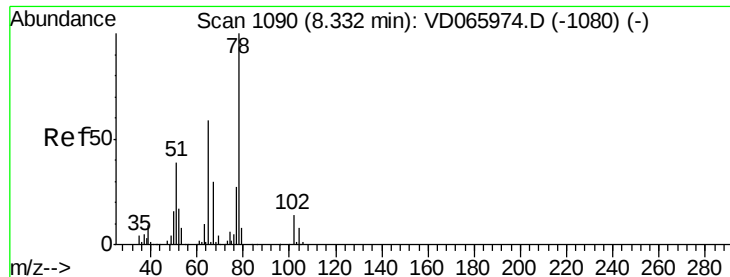
99 62.4 51.8 77.6

61 42.2 33.3 49.9



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





#33

1,2-Dichloroethane-d4

Concen: 53.059 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

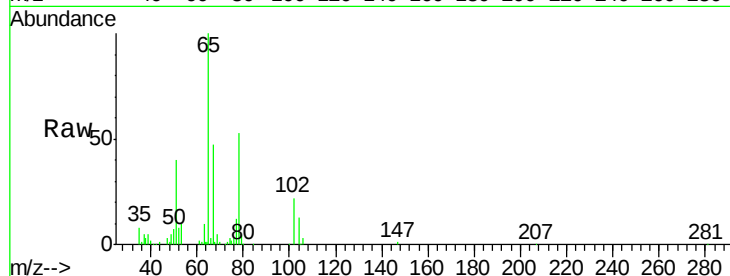
ClientSampleId :

Tot Ion: 65 Resp: 104332

Ion Ratio Lower Upper

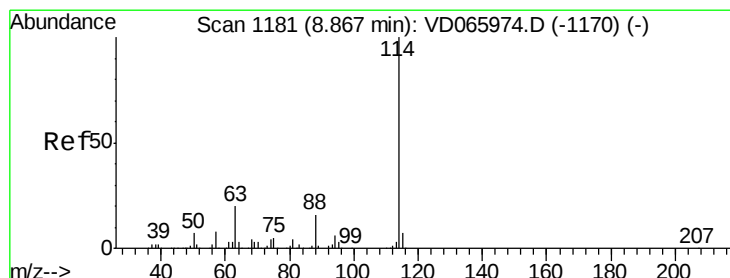
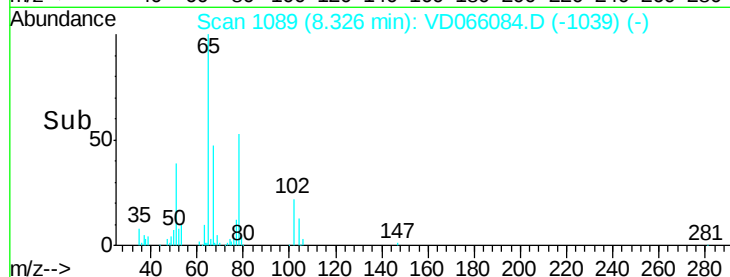
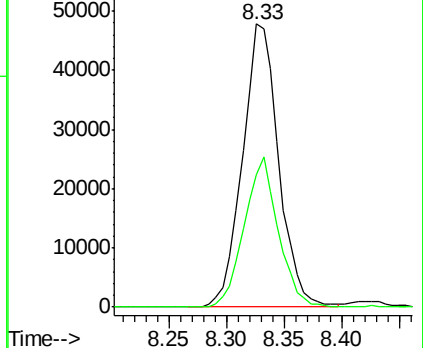
65 100

67 49.5 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VD065974.D (-1080) (-)

Ion 66.90 (66.60 to 67.60): VD065974.D (-1080) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

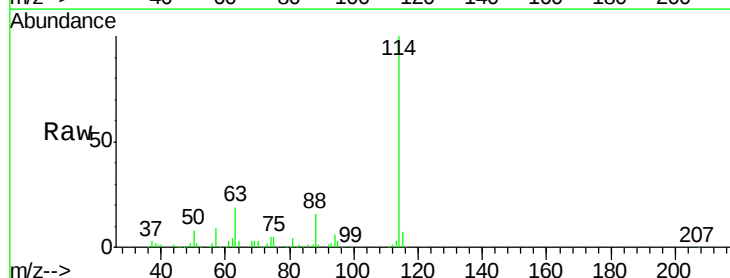
Tgt Ion: 114 Resp: 336620

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.6

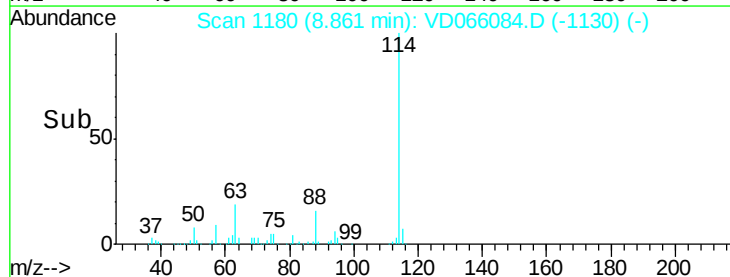
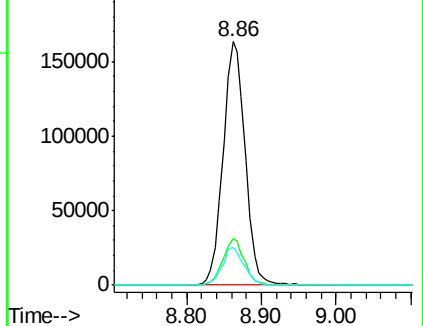
88 15.7 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VD065974.D (-1170) (-)

Ion 63.00 (62.70 to 63.70): VD065974.D (-1170) (-)

Ion 87.90 (87.60 to 88.60): VD065974.D (-1170) (-)

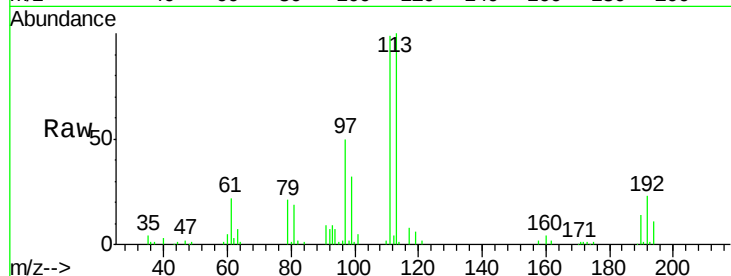




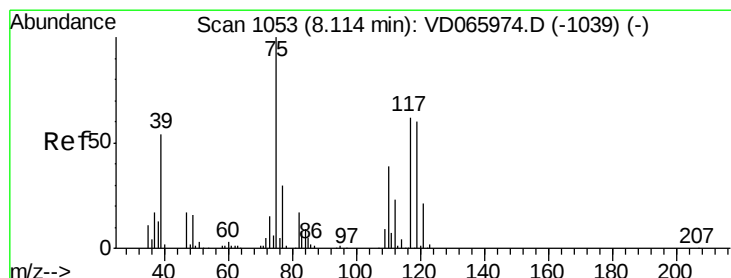
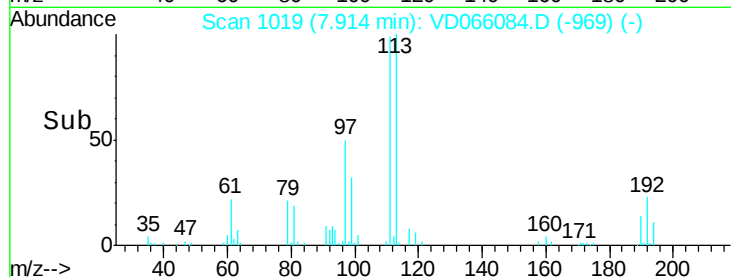
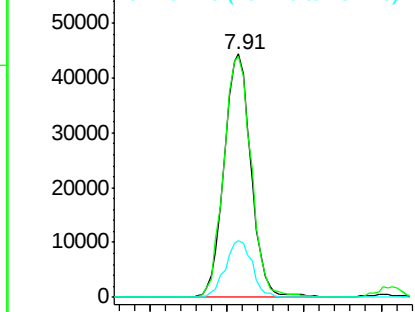
#35
Dibromofluoromethane
Concen: 53.017 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:113 Resp: 108245
Ion Ratio Lower Upper
113 100
111 101.0 83.2 124.8
192 23.1 18.7 28.1

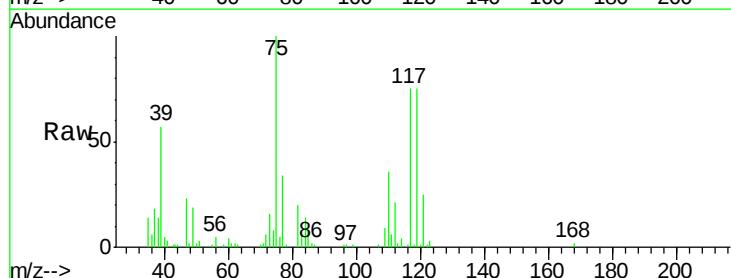


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

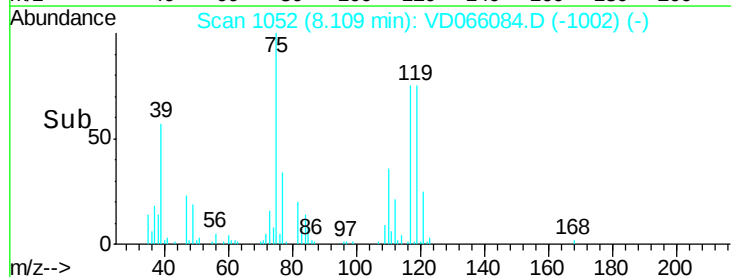
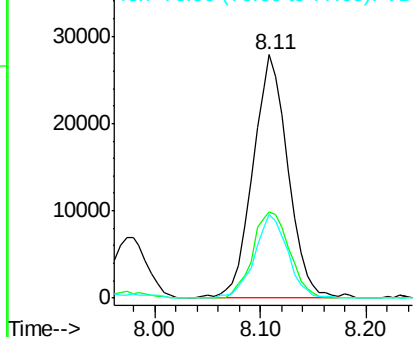


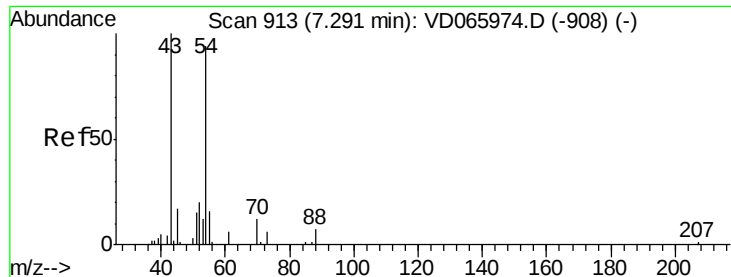
#36
1,1-Dichloropropene
Concen: 22.406 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion: 75 Resp: 64371
Ion Ratio Lower Upper
75 100
110 37.1 19.5 58.5
77 32.6 24.7 37.1



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

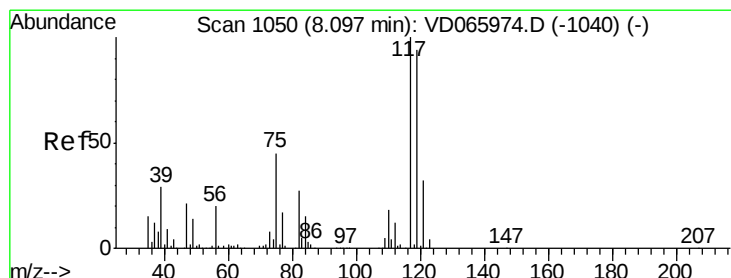
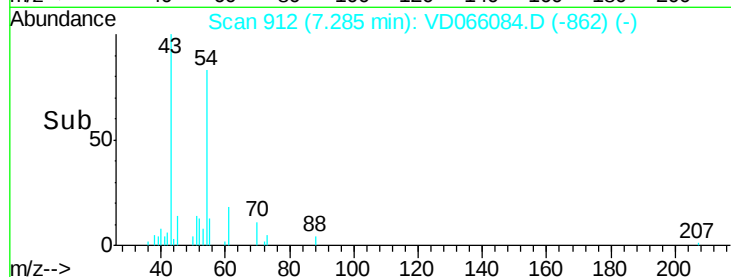
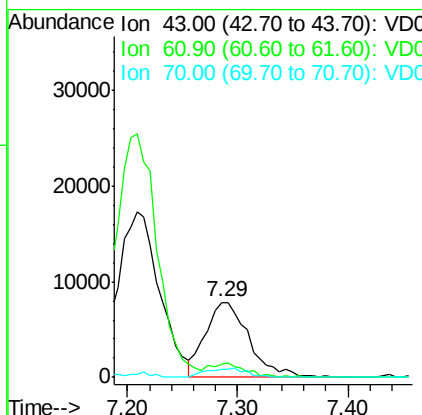
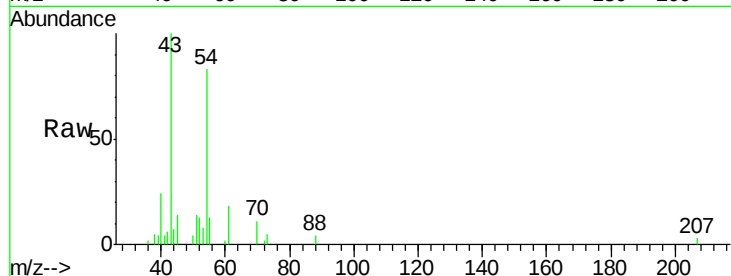




#37
Ethyl Acetate
Concen: 19.498 ug/l
RT: 7.29 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

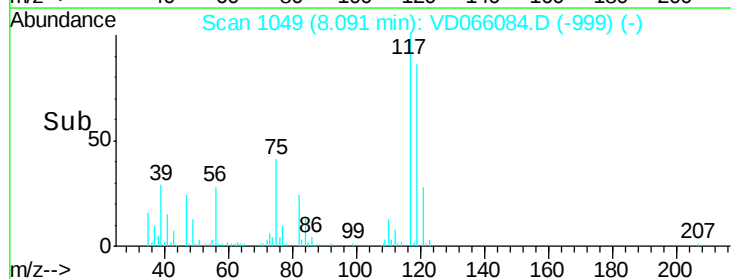
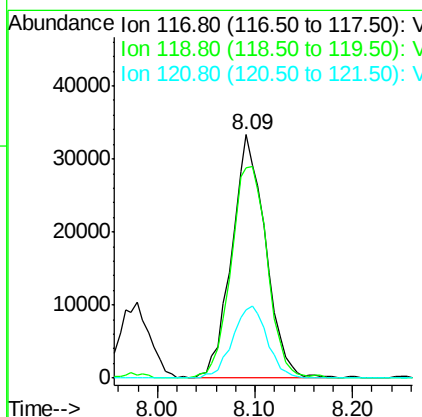
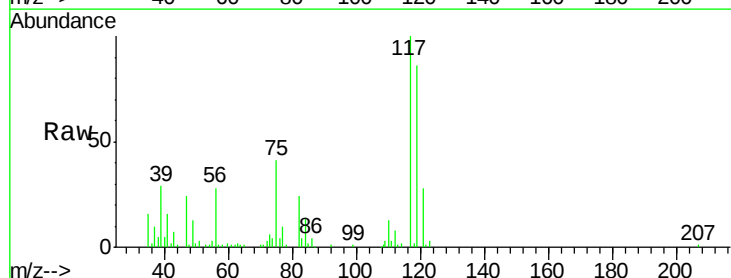
Instrument :
MSVOA_D
ClientSampleId :

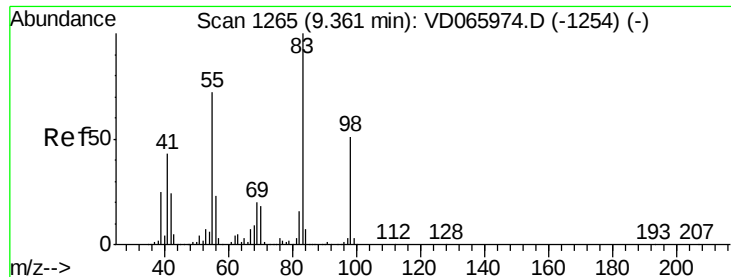
Tot Ion: 43 Resp: 21393
Ion Ratio Lower Upper
43 100
61 15.1 11.4 17.0
70 11.1 9.3 13.9



#38
Carbon Tetrachloride
Concen: 25.748 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion: 117 Resp: 80262
Ion Ratio Lower Upper
117 100
119 86.3 75.0 112.6
121 28.1 25.5 38.3

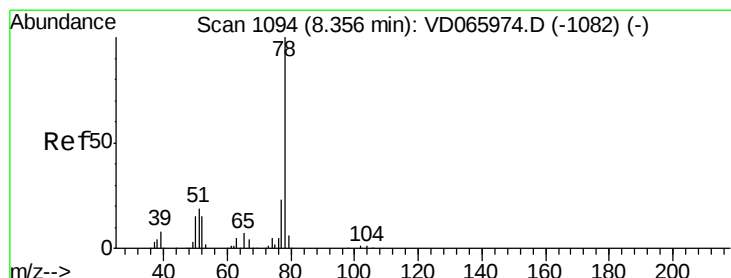
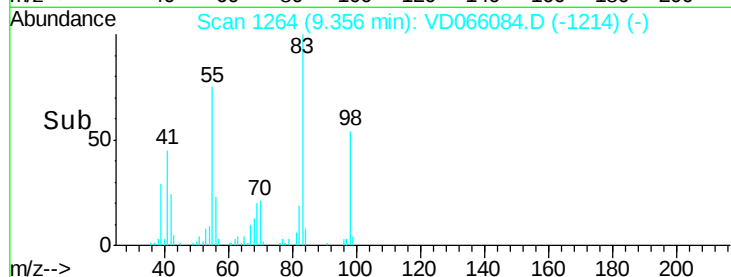
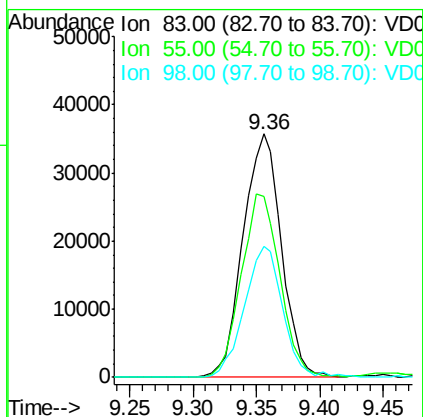
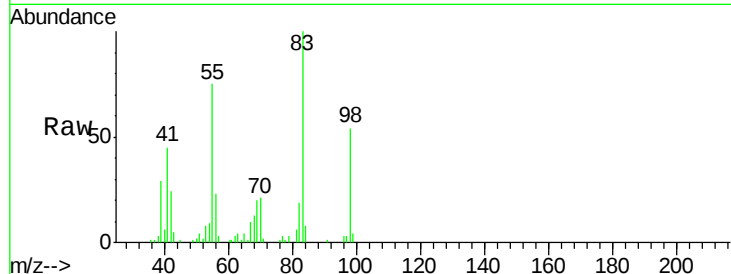




#39
Methvlcvclohexane
Concen: 21.648 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

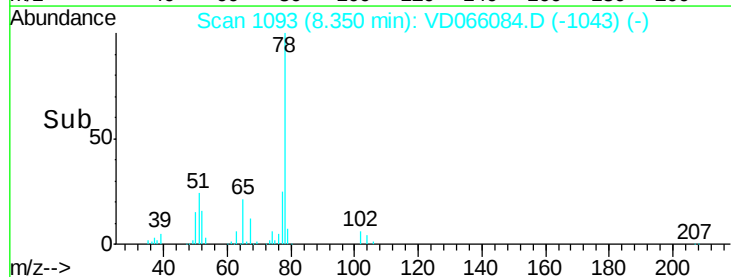
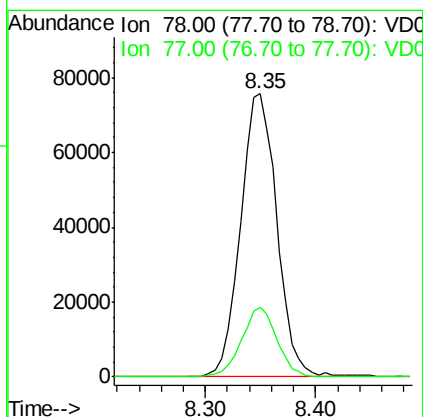
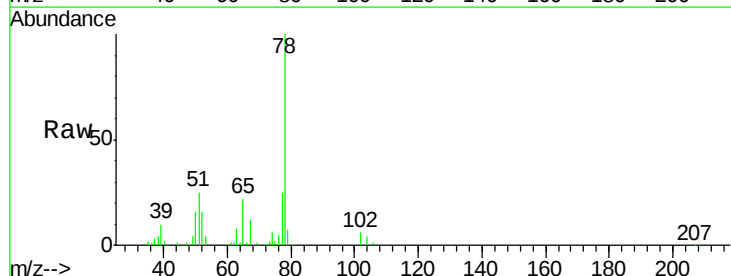
Instrument :
MSVOA_D
ClientSampleId :

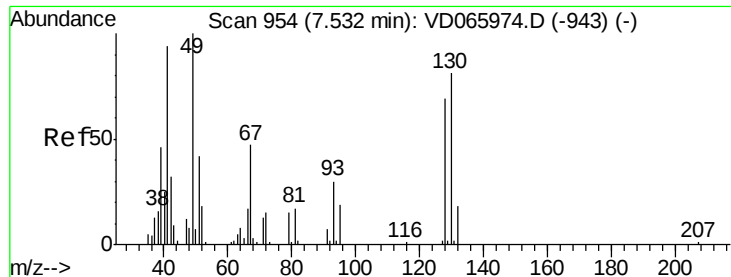
Tot Ion: 83 Resp: 75316
Ion Ratio Lower Upper
83 100
55 74.6 57.3 85.9
98 53.9 41.0 61.6



#40
Benzene
Concen: 21.715 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion: 78 Resp: 174534
Ion Ratio Lower Upper
78 100
77 24.6 18.6 27.8





#41

Methacrylonitrile

Concen: 18.989 ug/l

RT: 7.51 min Scan# 950

Delta R.T. -0.02 min

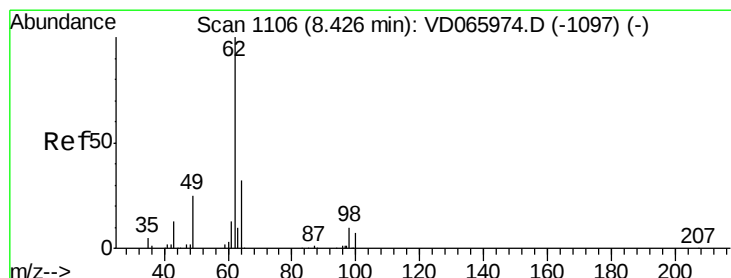
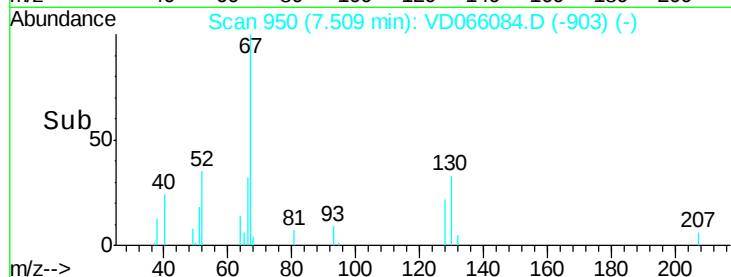
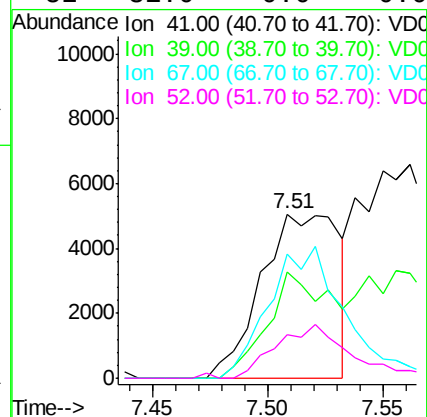
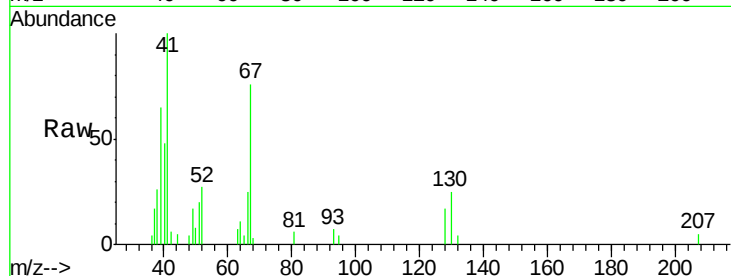
Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 11935

Ion	Ratio	Lower	Upper
41	100		
39	52.4	0.0	0.0#
67	76.8	0.0	0.0#
52	31.0	0.0	0.0#



#42

1,2-Dichloroethane

Concen: 23.666 ug/l

RT: 8.43 min Scan# 1106

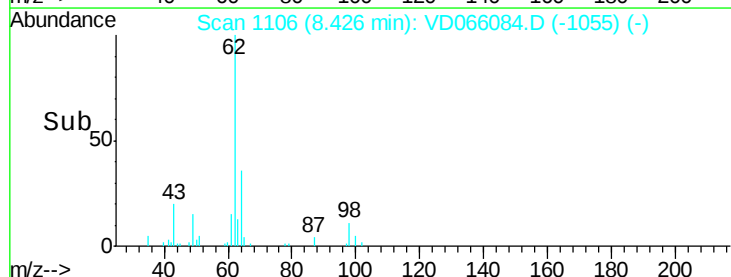
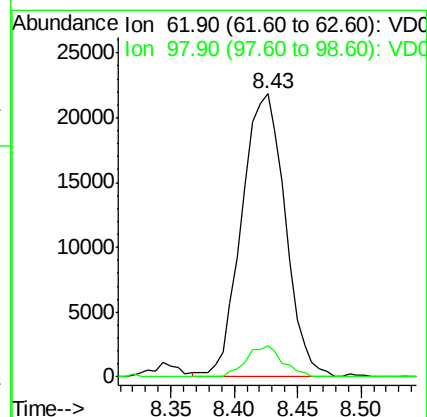
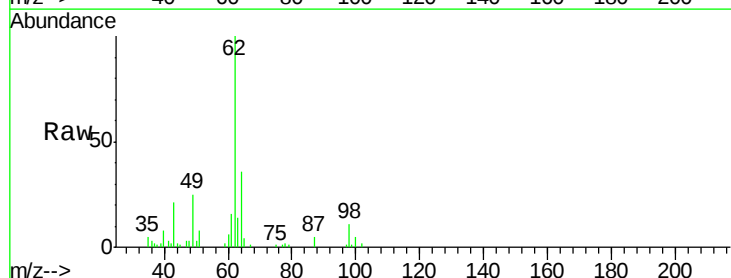
Delta R.T. 0.00 min

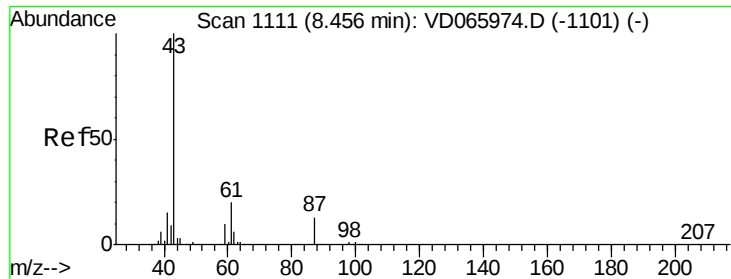
Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Tgt Ion: 62 Resp: 52122

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	21.0

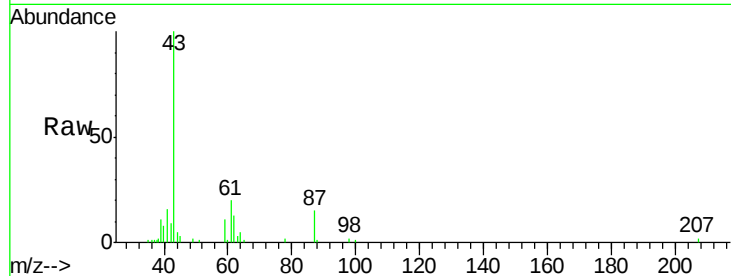




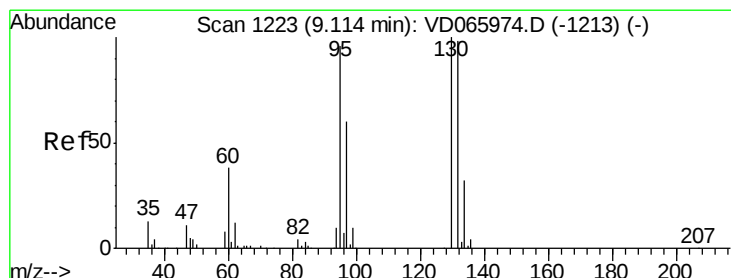
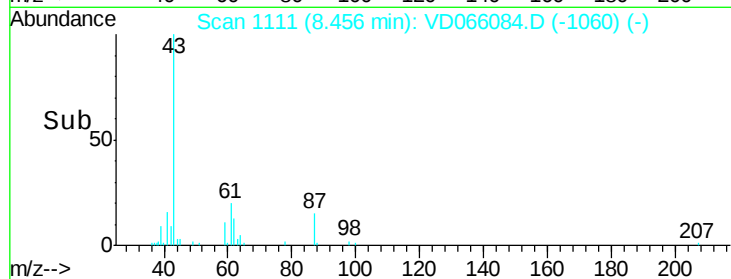
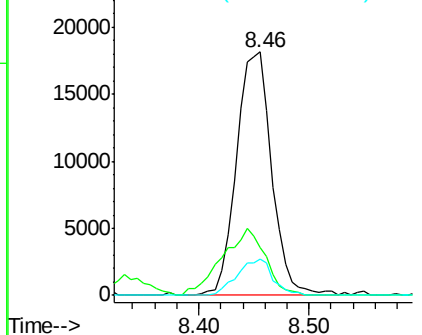
#43
Isopropyl Acetate
Concen: 19.024 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion	43	Resp	40767
Ion Ratio	Lower	Upper	
43	100		
61	33.6	25.8	38.8
87	14.9	10.9	16.3

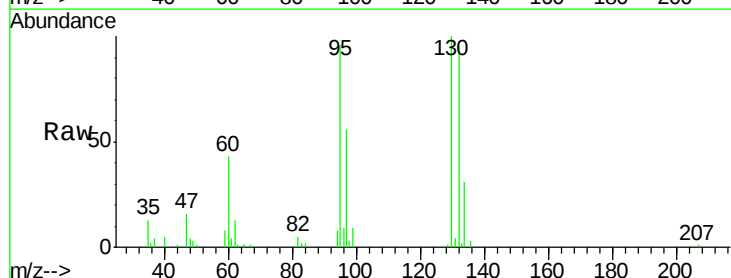


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

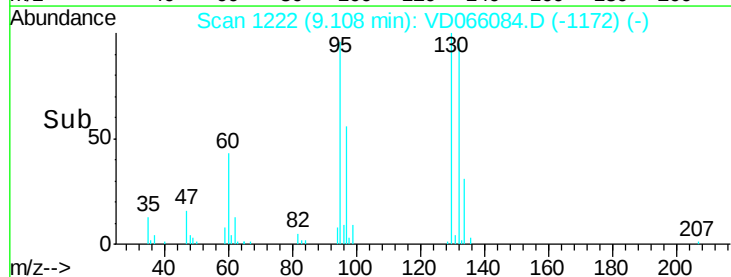
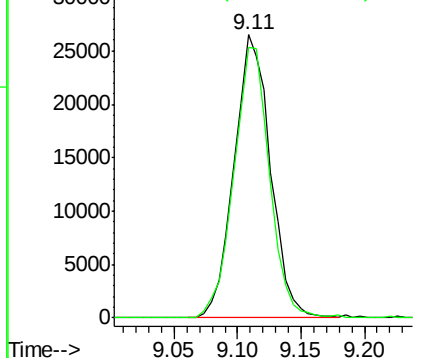


#44
Trichloroethene
Concen: 21.645 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion	130	Resp	52646
Ion Ratio	Lower	Upper	
130	100		
95	95.5	0.0	191.6



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

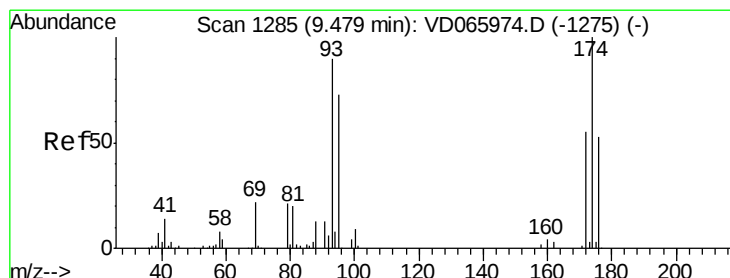
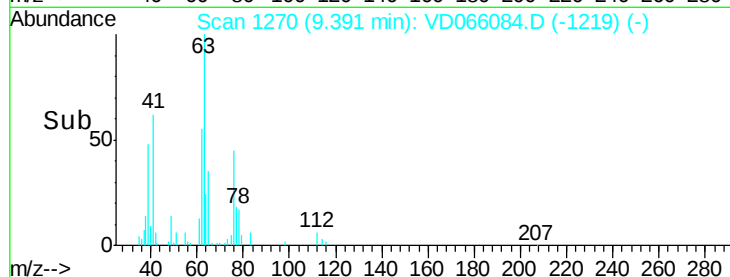
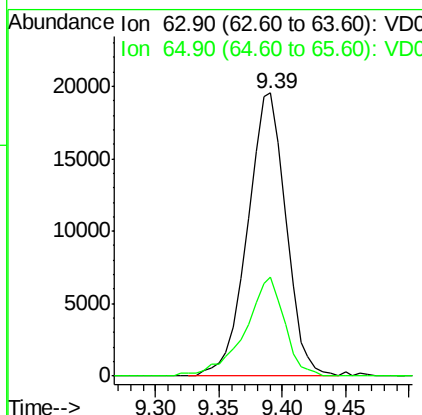
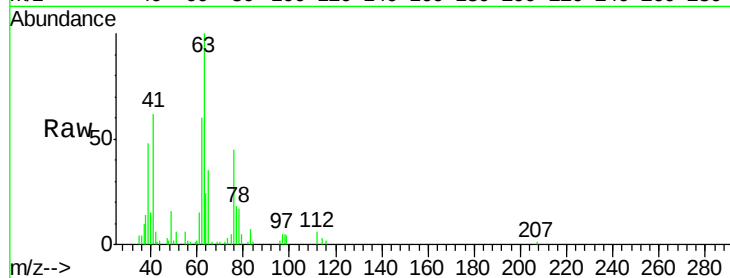




#45
 1,2-Dichloropropane
 Concen: 21.190 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

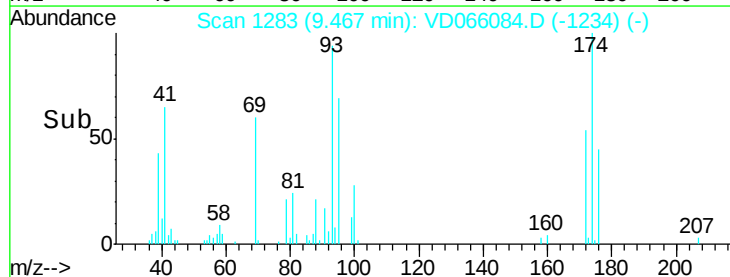
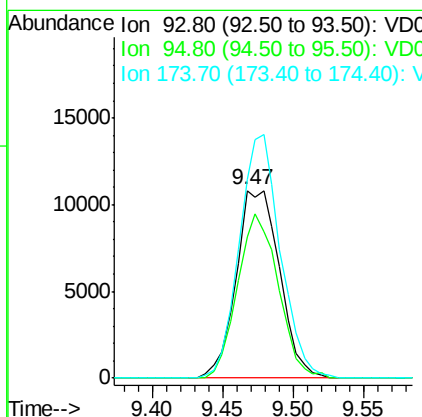
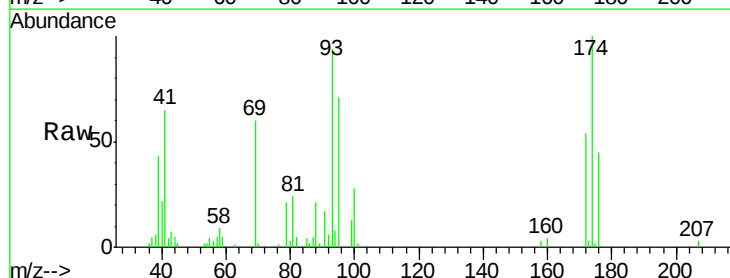
Instrument :
 MSVOA_D
 ClientSampleId :

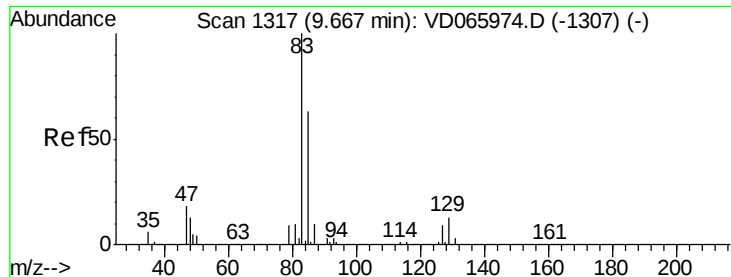
Tot Ion: 63 Resp: 41249
 Ion Ratio Lower Upper
 63 100
 65 35.2 24.0 36.0



#46
 Dibromomethane
 Concen: 22.272 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Tgt Ion: 93 Resp: 23339
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.2 99.4
 174 122.4 91.5 137.3





#47

Bromodichloromethane

Concen: 22.925 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

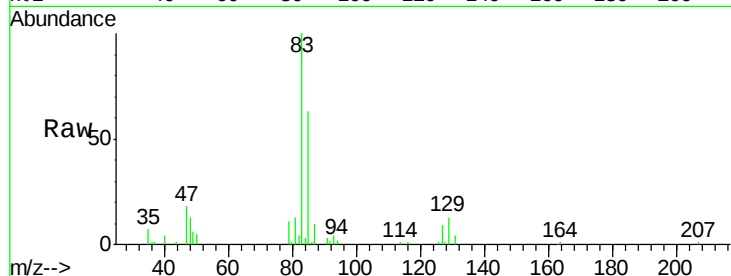
Tot Ion: 83 Resp: 63519

Ion Ratio Lower Upper

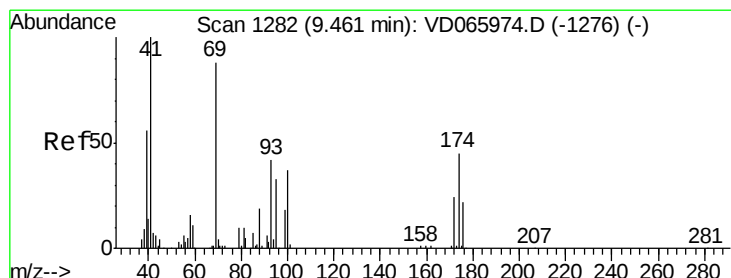
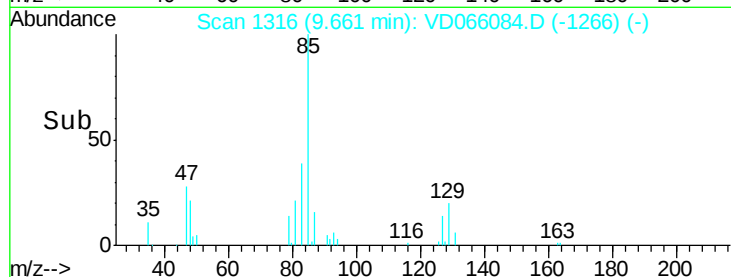
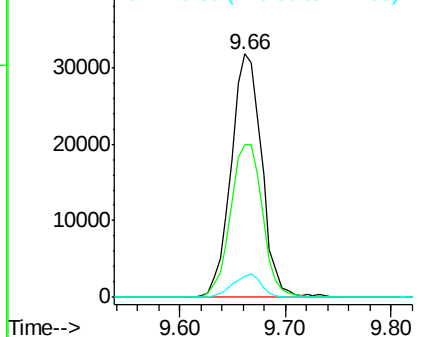
83 100

85 62.9 50.6 75.8

127 8.8 7.1 10.7



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



#48

Methyl methacrylate

Concen: 18.777 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

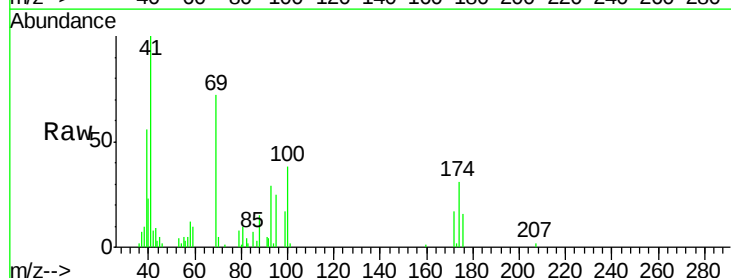
Tgt Ion: 41 Resp: 20297

Ion Ratio Lower Upper

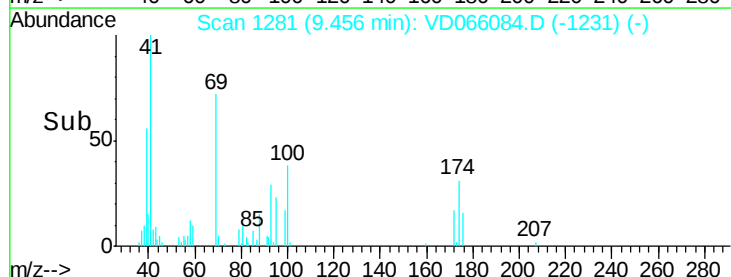
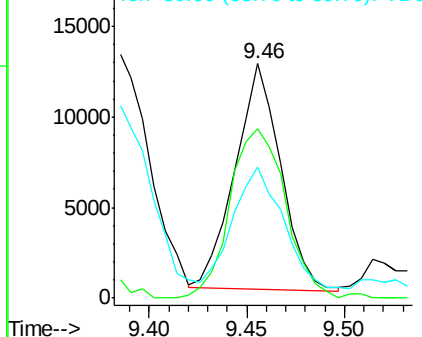
41 100

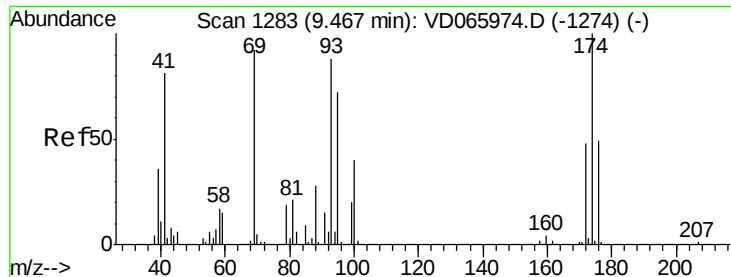
69 90.5 65.1 97.7

39 60.1 41.5 62.3



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

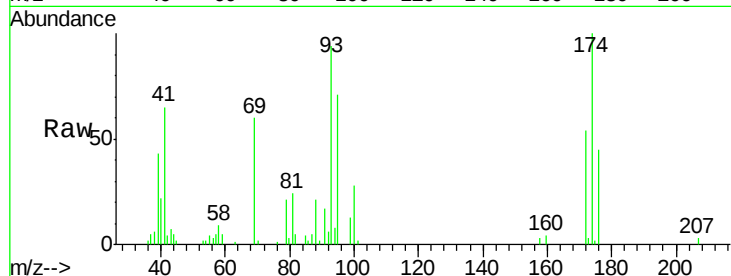




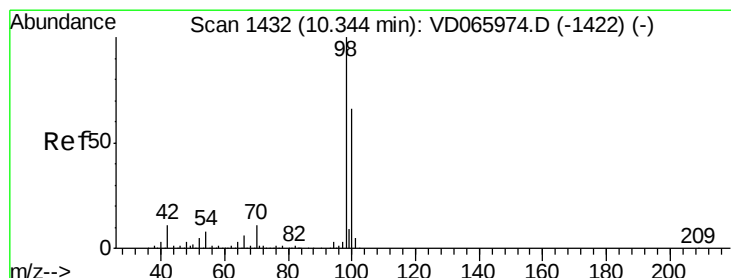
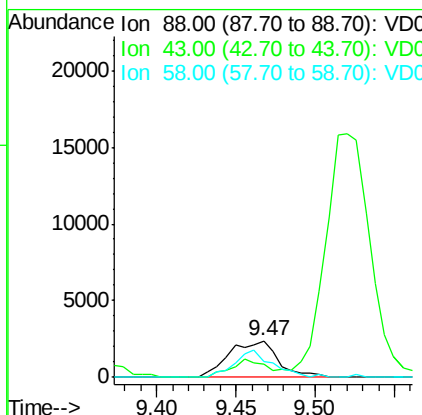
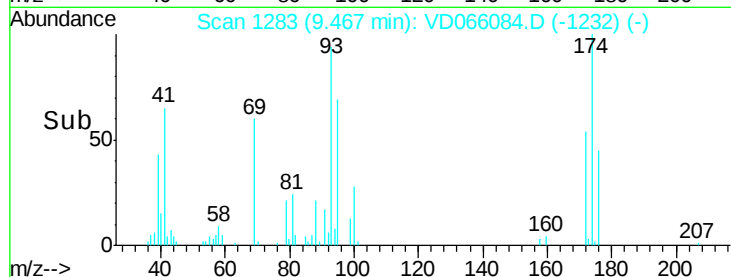
#49
 1,4-Dioxane
 Concen: 425.433 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 88 Resp: 5165
 Ion Ratio Lower Upper
 88 100
 43 34.1 29.0 43.6
 58 57.6 57.0 85.4

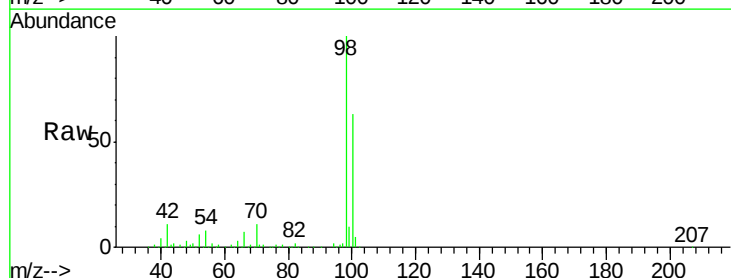


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

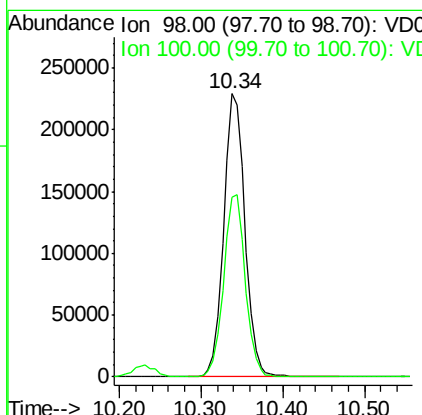
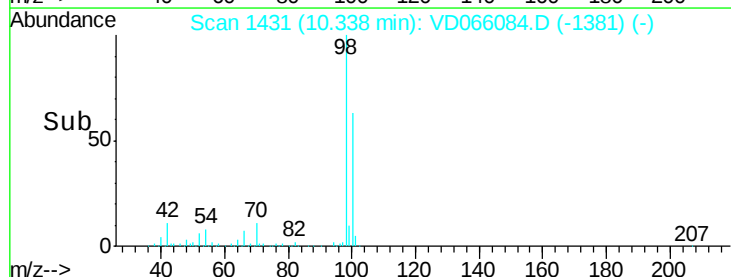


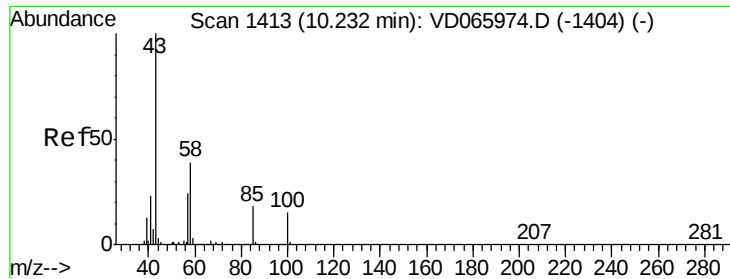
#50
 Toluene-d8
 Concen: 54.320 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Tgt Ion: 98 Resp: 413149
 Ion Ratio Lower Upper
 98 100
 100 65.7 52.7 79.1



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

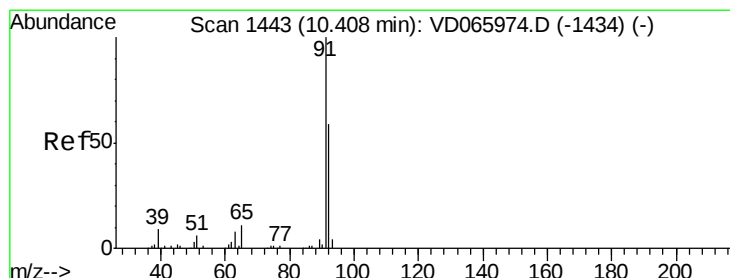
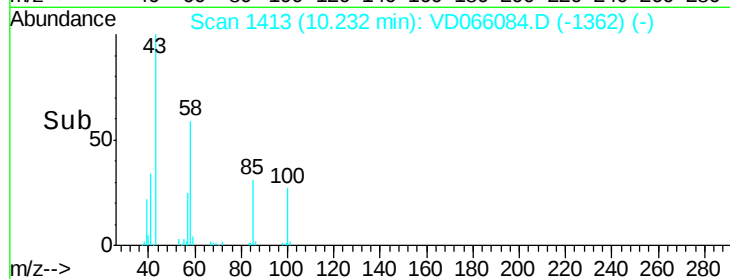
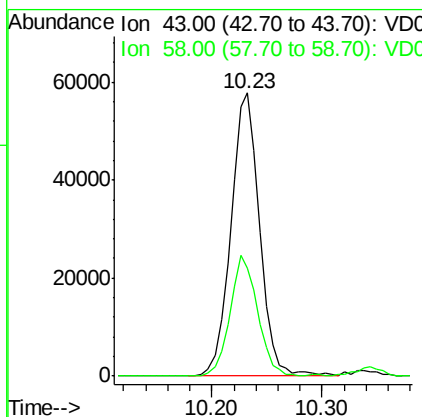
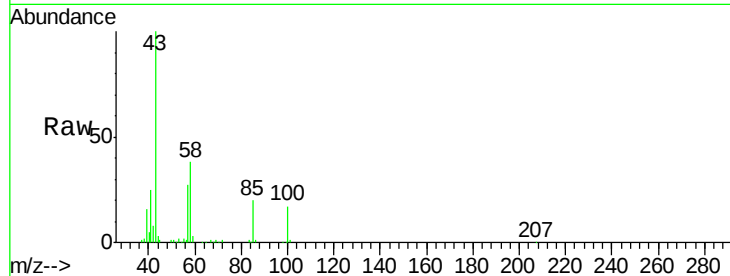




#51
 4-Methyl-2-Pentanone
 Concen: 97.156 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

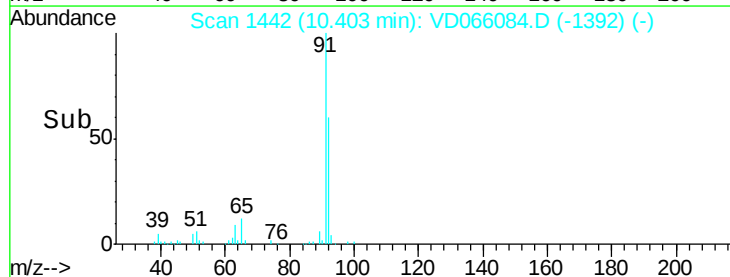
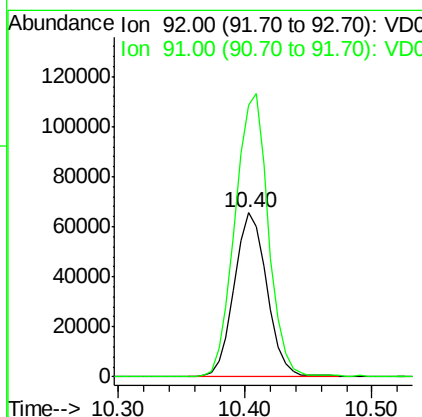
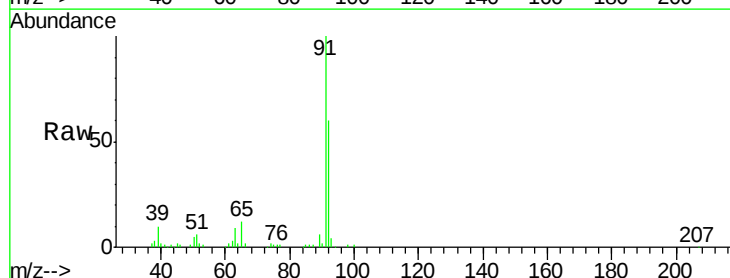
Instrument :
 MSVOA_D
 ClientSampleId :

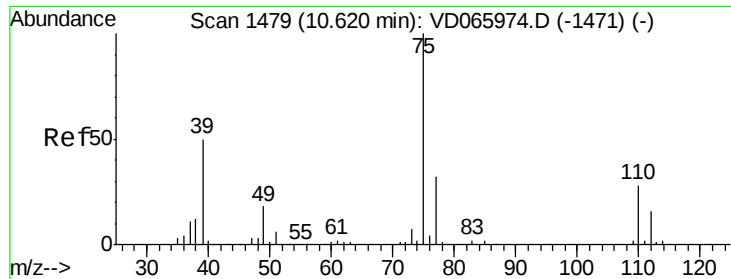
Tot Ion: 43 Resp: 104901
 Ion Ratio Lower Upper
 43 100
 58 41.1 31.3 46.9



#52
 Toluene
 Concen: 22.392 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Tgt Ion: 92 Resp: 117365
 Ion Ratio Lower Upper
 92 100
 91 175.6 134.5 201.7

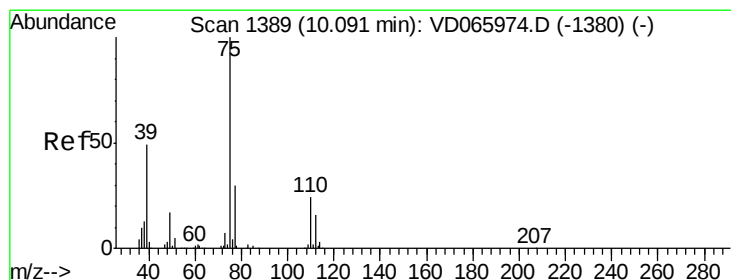
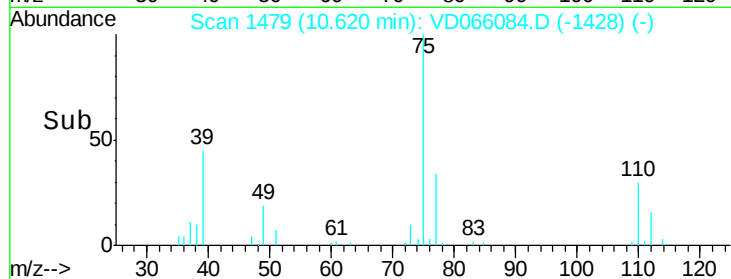
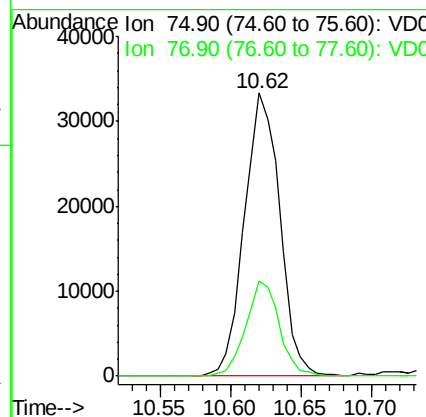
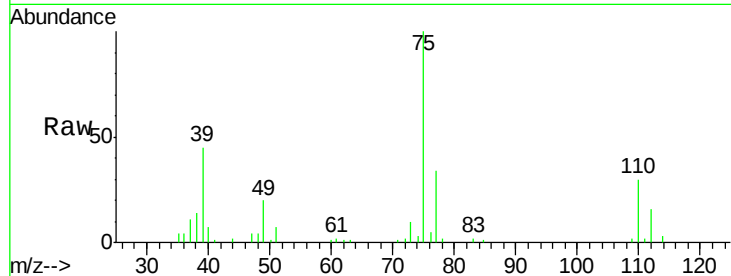




#53
 t-1,3-Dichloropropene
 Concen: 22.794 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

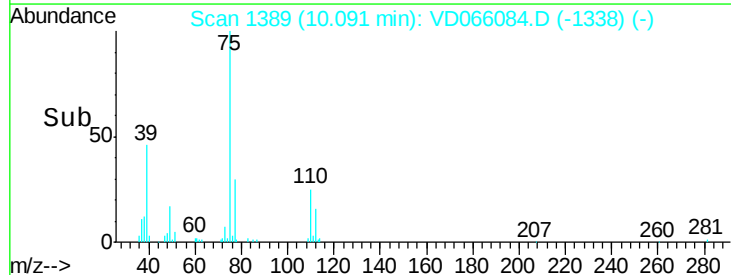
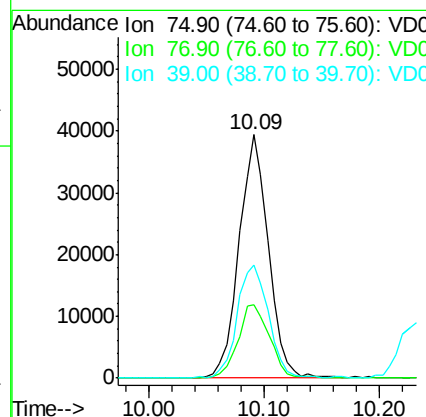
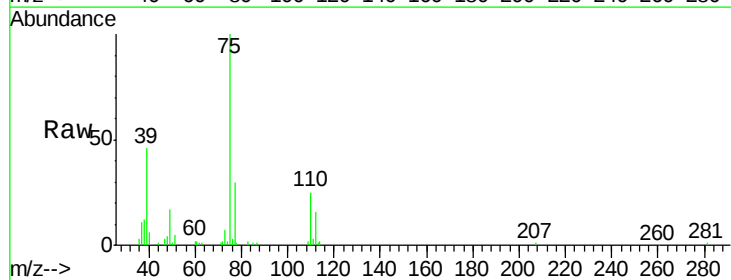
Instrument :
 MSVOA_D
 ClientSampleId :

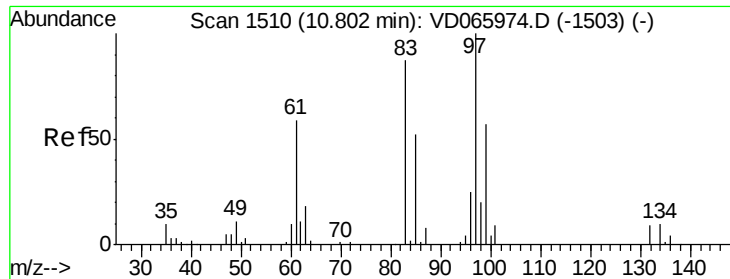
Tot Ion: 75 Resp: 58840
 Ion Ratio Lower Upper
 75 100
 77 33.6 25.8 38.6



#54
 cis-1,3-Dichloropropene
 Concen: 22.123 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Tgt Ion: 75 Resp: 69226
 Ion Ratio Lower Upper
 75 100
 77 30.0 23.8 35.8
 39 46.5 38.8 58.2

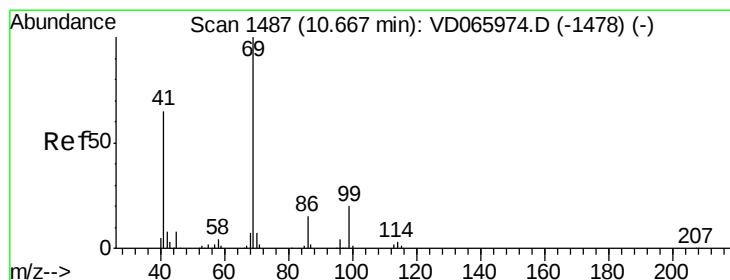
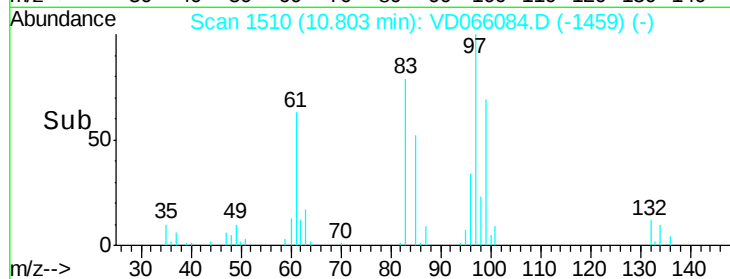
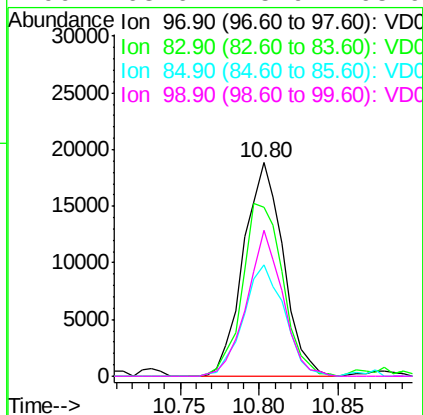
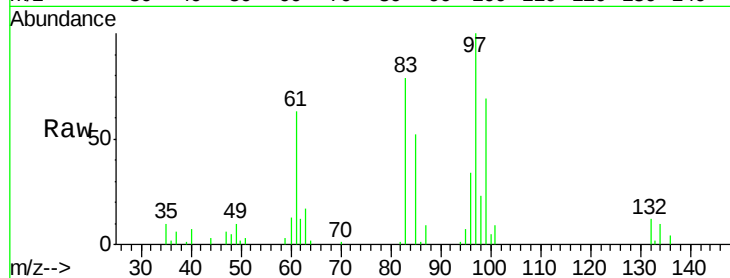




#55
 1,1,2-Trichloroethane
 Concen: 22.161 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

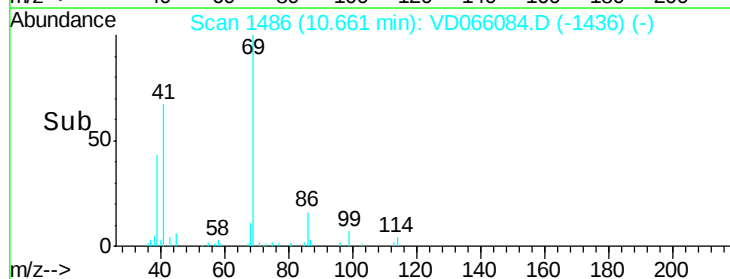
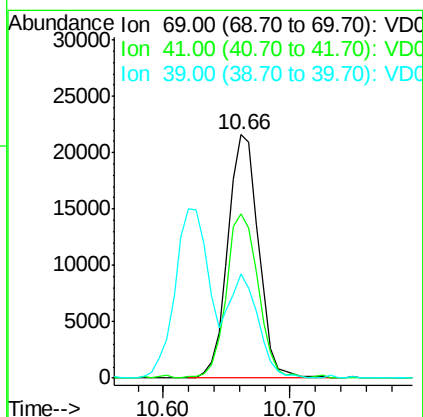
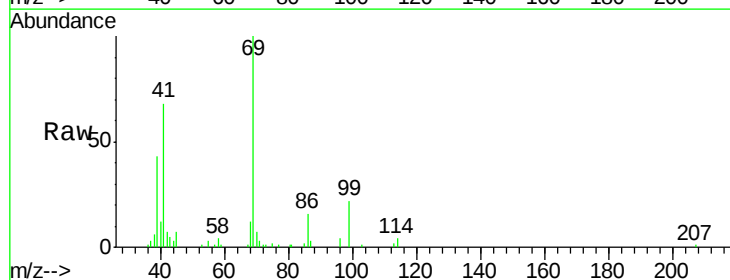
Instrument :
 MSVOA_D
 ClientSampleId :

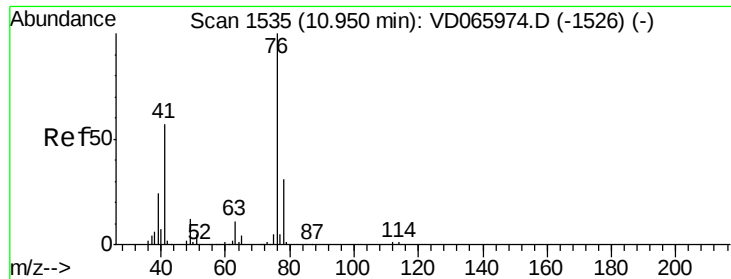
Tot Ion:	97	Resp:	32936
Ion	Ratio	Lower	Upper
97	100		
83	79.0	69.7	104.5
85	52.1	41.6	62.4
99	68.6	45.9	68.9



#56
 Ethyl methacrylate
 Concen: 20.954 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Tgt Ion:	69	Resp:	36207
Ion	Ratio	Lower	Upper
69	100		
41	69.9	52.3	78.5
39	41.5	25.2	37.8#

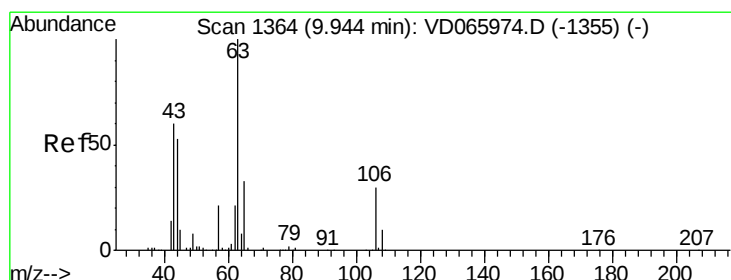
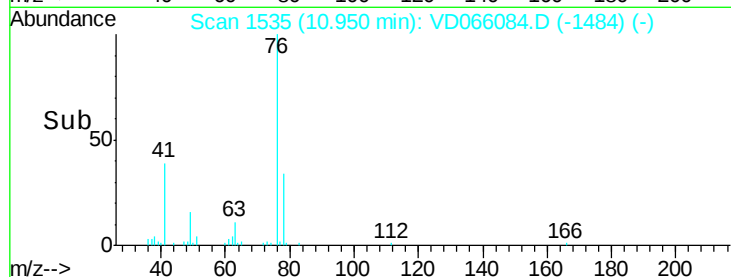
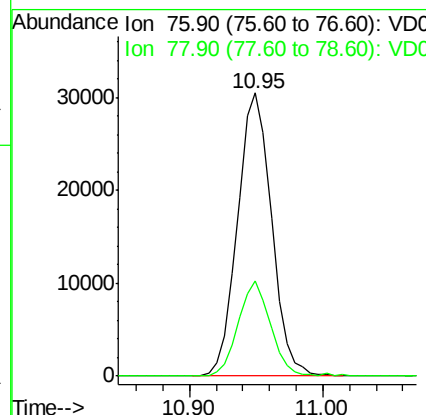
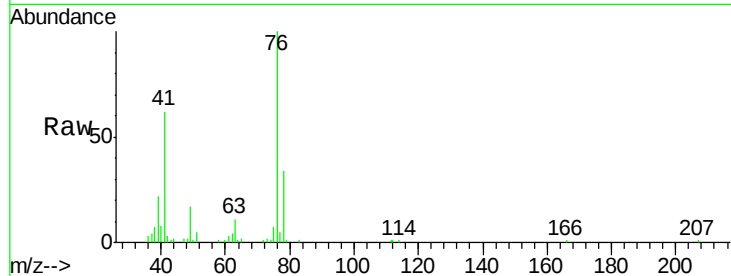




#57
 1,3-Dichloropropane
 Concen: 21.898 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

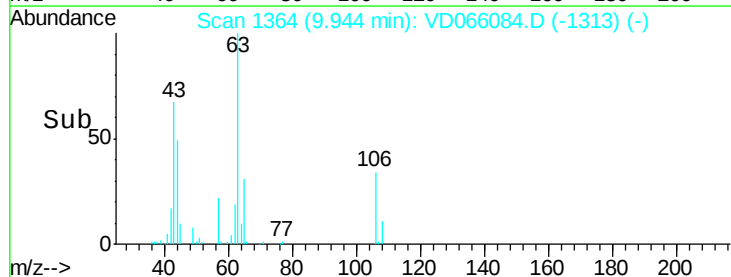
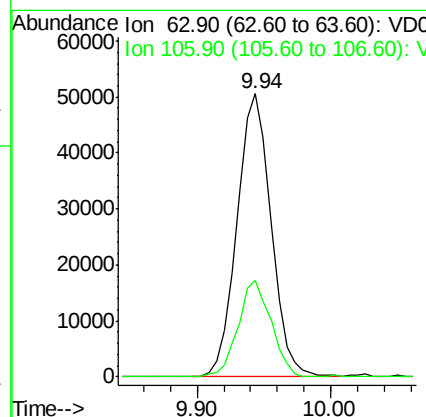
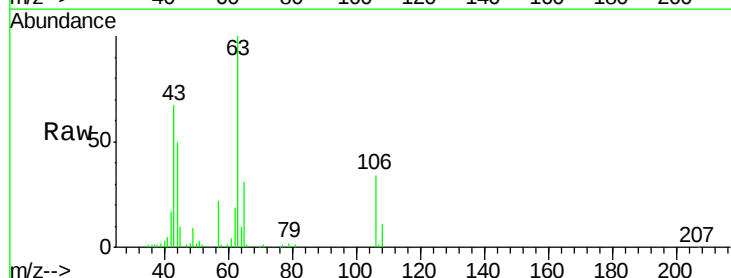
Instrument :
 MSVOA_D
 ClientSampleId :

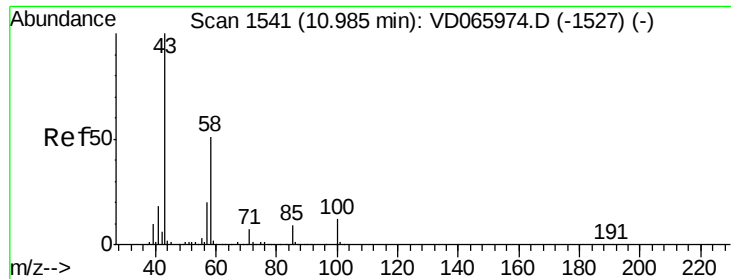
Tot Ion: 76 Resp: 53876
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.609 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Tgt Ion: 63 Resp: 89650
 Ion Ratio Lower Upper
 63 100
 106 33.1 24.4 36.6

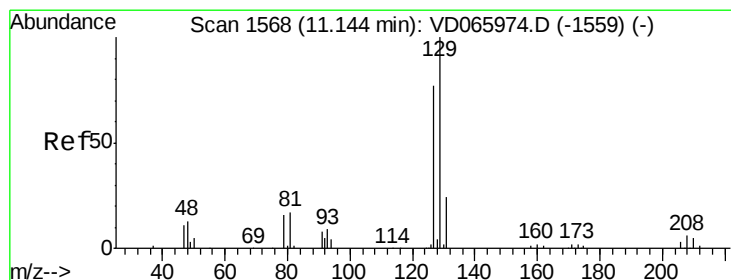
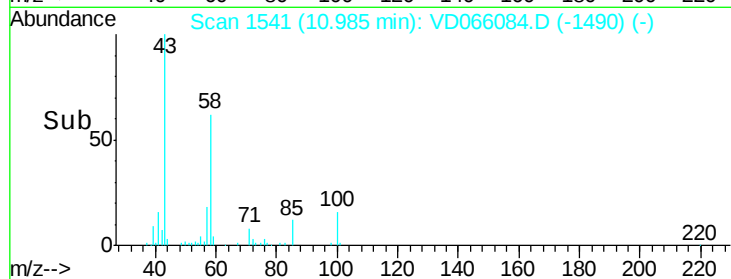
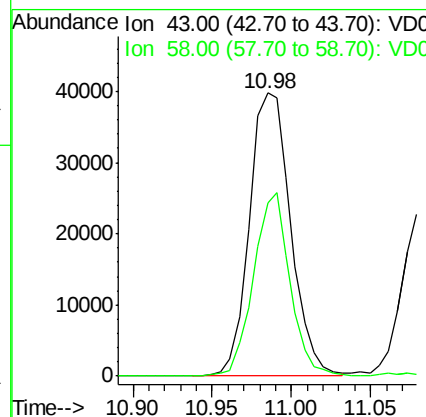
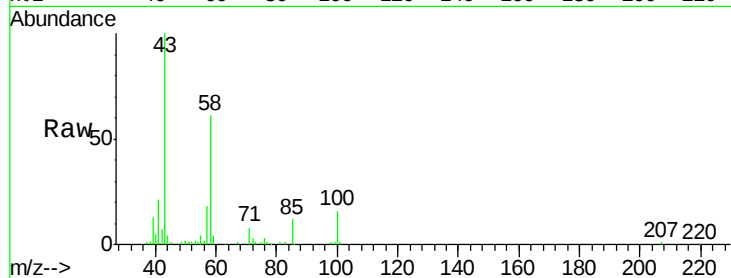




#59
2-Hexanone
Concen: 96.239 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

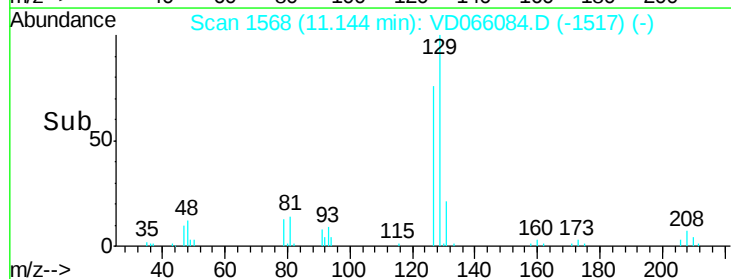
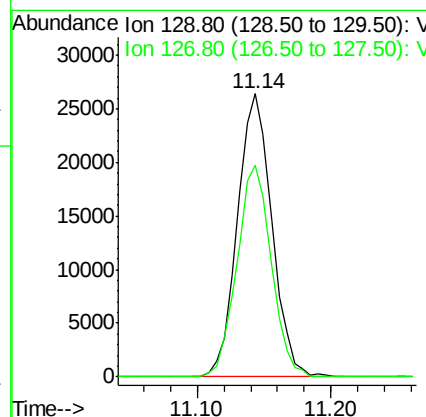
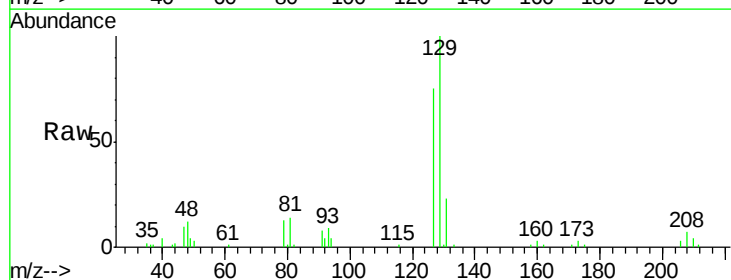
Instrument :
MSVOA_D
ClientSampleId :

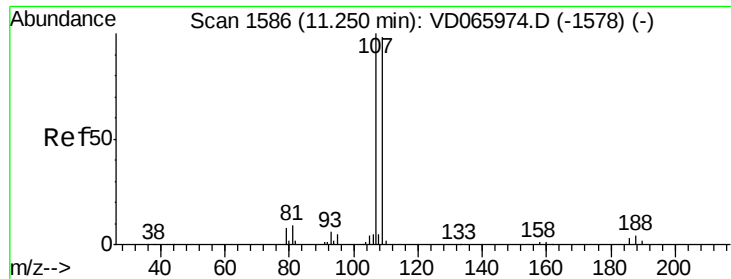
Tot Ion: 43 Resp: 72009
Ion Ratio Lower Upper
43 100
58 57.2 26.2 78.6



#60
Dibromochloromethane
Concen: 23.591 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion: 129 Resp: 47272
Ion Ratio Lower Upper
129 100
127 74.4 38.6 115.7

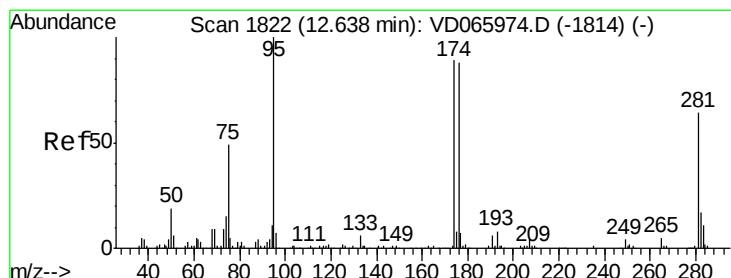
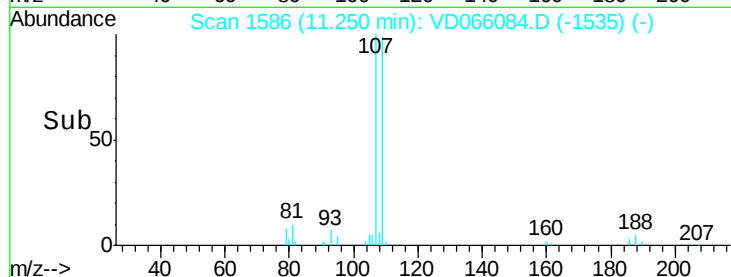
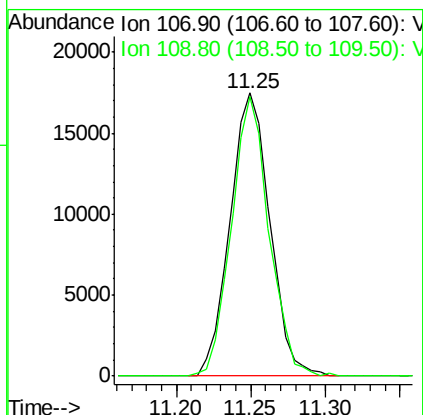
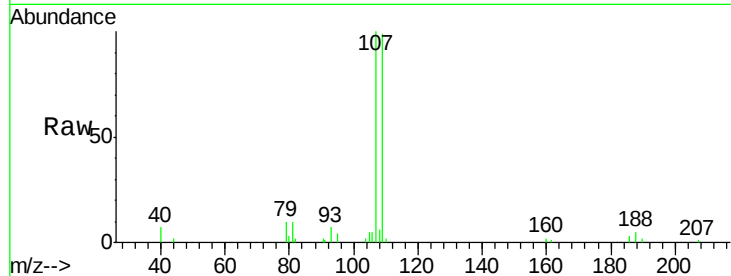




#61
 1,2-Dibromoethane
 Concen: 22.664 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

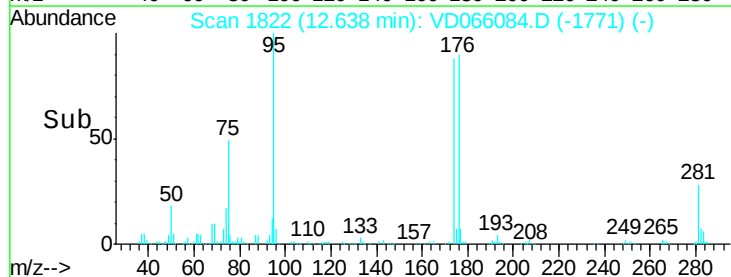
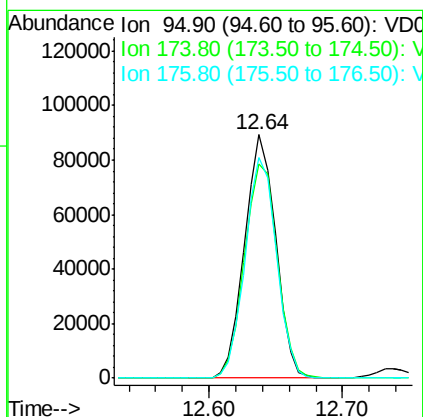
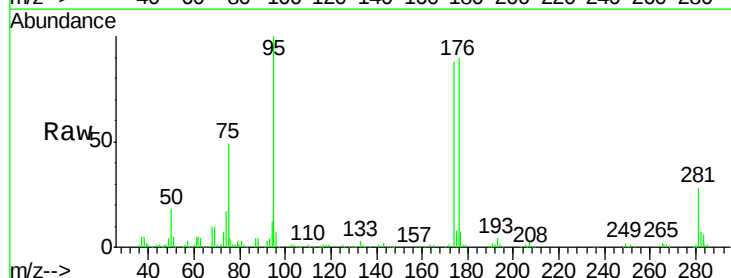
Instrument :
 MSVOA_D
 ClientSampleId :

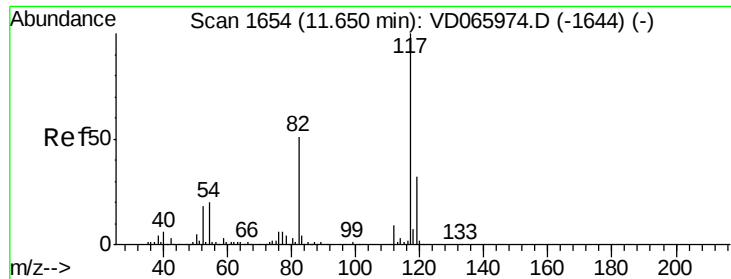
Tot Ion:107 Resp: 32477
 Ion Ratio Lower Upper
 107 100
 109 93.1 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 54.560 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Tgt Ion: 95 Resp: 143888
 Ion Ratio Lower Upper
 95 100
 174 93.1 0.0 178.8
 176 91.2 0.0 172.6

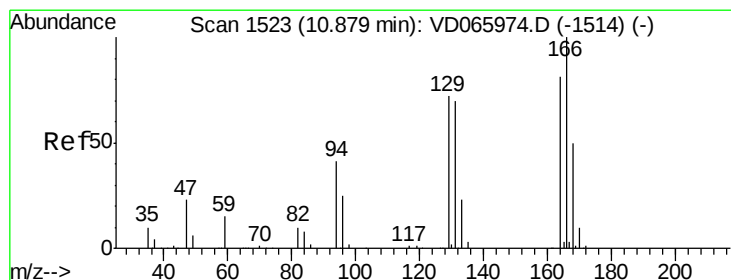
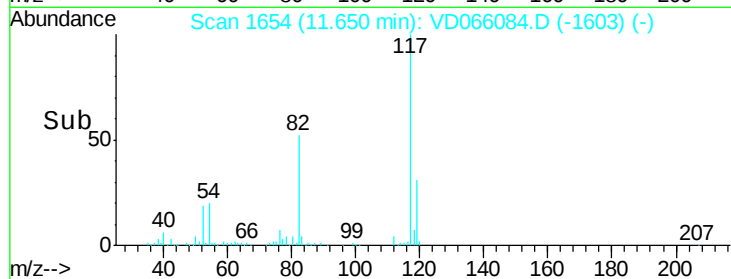
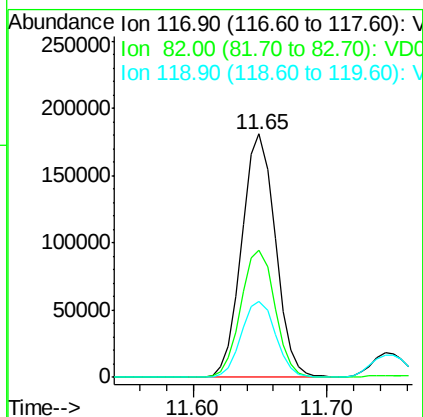
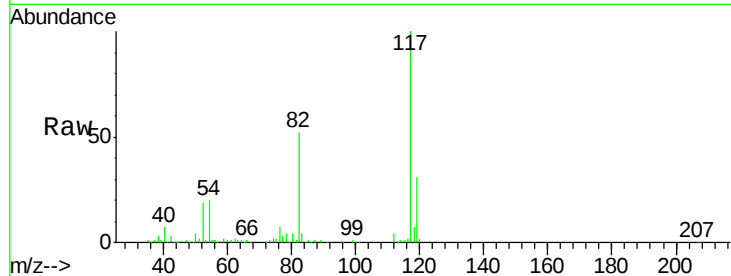




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

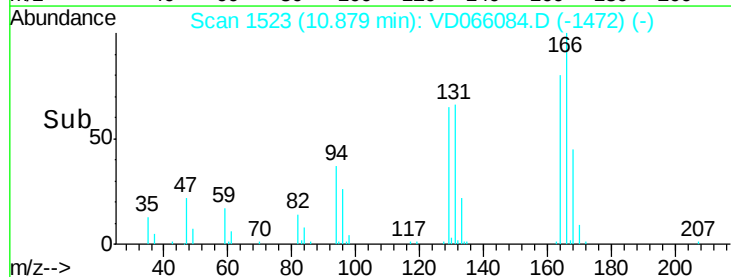
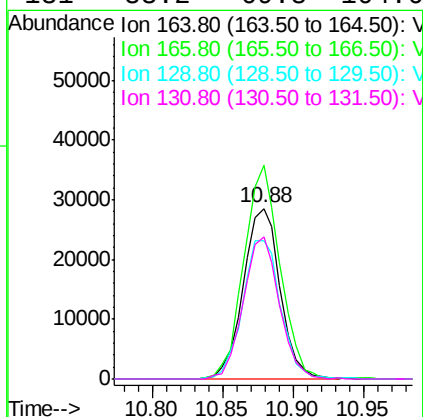
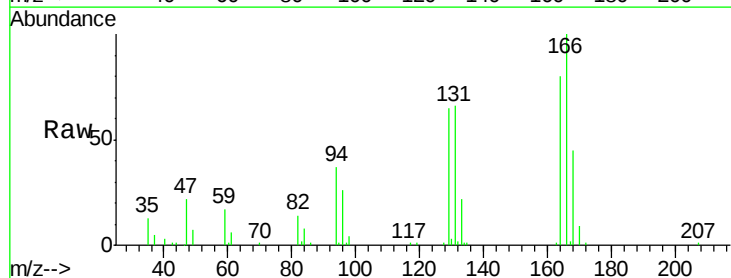
Instrument :
MSVOA_D
ClientSampleId :

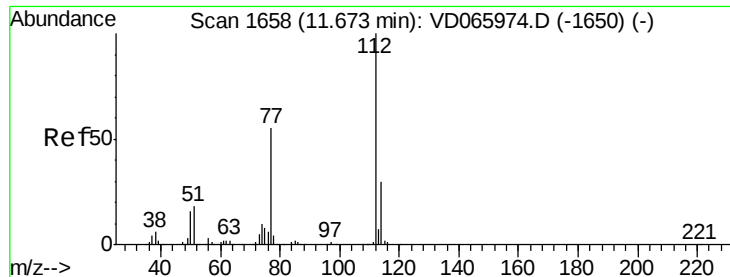
Tot Ion:117 Resp: 315789
Ion Ratio Lower Upper
117 100
82 52.1 41.1 61.7
119 31.4 25.9 38.9



#64
Tetrachloroethene
Concen: 24.299 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion:164 Resp: 52081
Ion Ratio Lower Upper
164 100
166 125.4 99.1 148.7
129 81.1 71.5 107.3
131 83.2 69.8 104.6

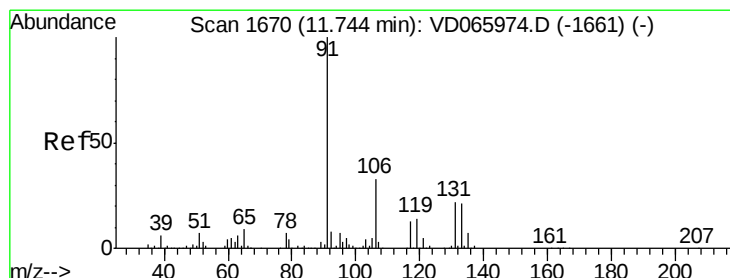
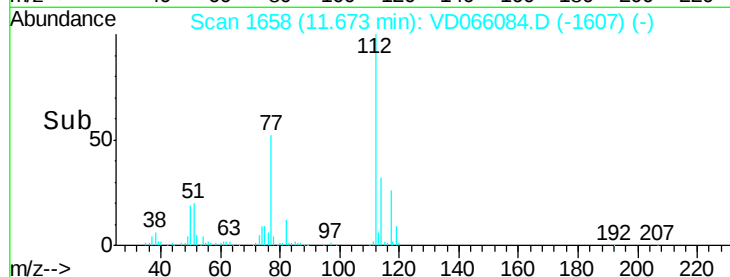
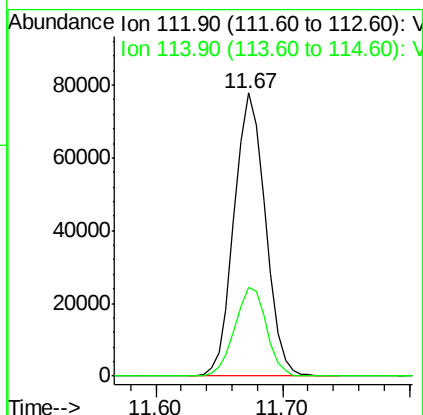
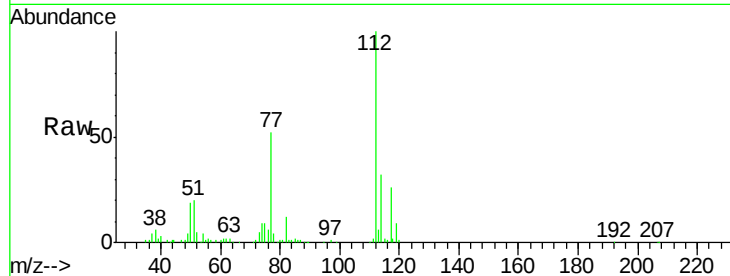




#65
Chlorobenzene
Concen: 23.003 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

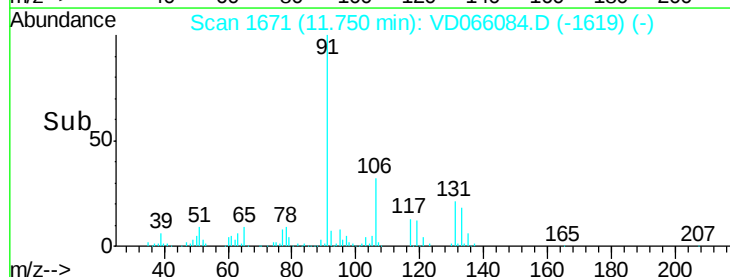
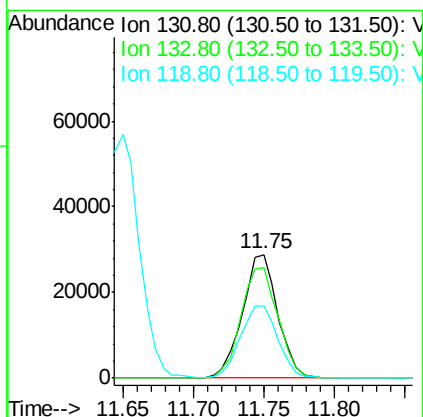
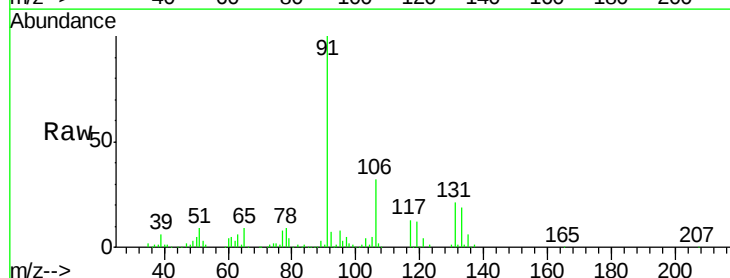
Instrument :
MSVOA_D
ClientSampleId :

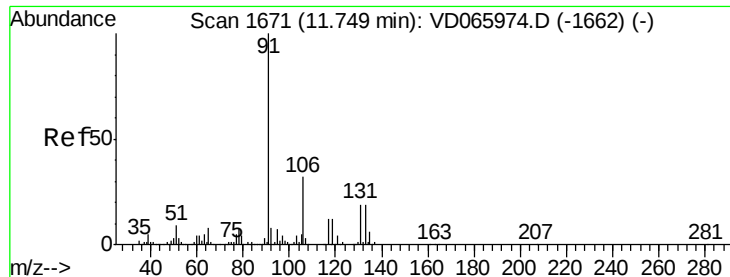
Tot Ion:112 Resp: 133003
Ion Ratio Lower Upper
112 100
114 31.6 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 23.701 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion:131 Resp: 50601
Ion Ratio Lower Upper
131 100
133 93.8 47.3 142.0
119 62.2 31.7 95.1





#67

Ethyl Benzene

Concen: 22.834 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

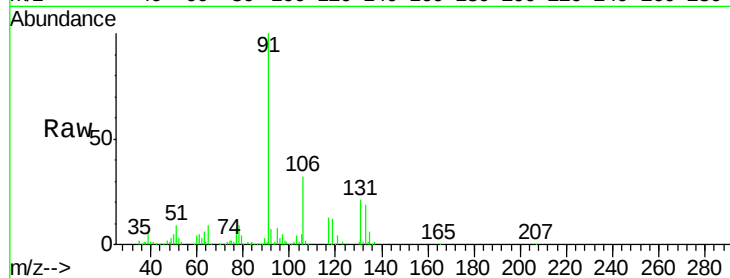
ClientSampleId :

Tot Ion: 91 Resp: 227199

Ion Ratio Lower Upper

91 100

106 32.2 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

200000

150000

100000

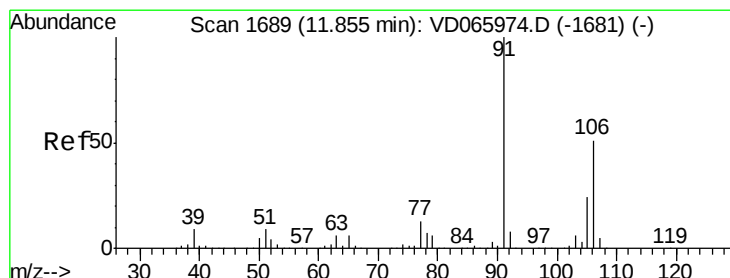
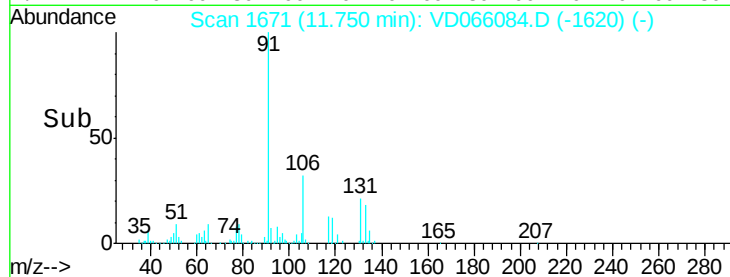
50000

0

11.75

11.70 11.75 11.80

Time-->



#68

m/p-Xylenes

Concen: 47.411 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD066084.D

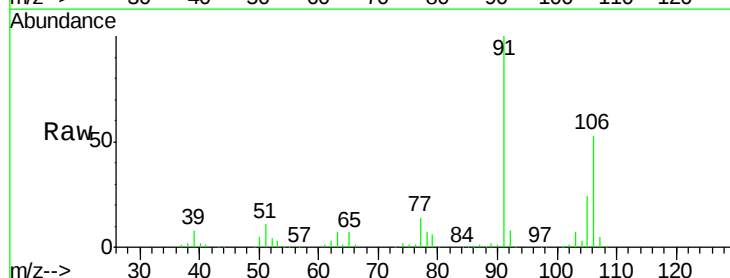
Acq: 29 Jul 2020 11:03

Tgt Ion: 106 Resp: 181321

Ion Ratio Lower Upper

106 100

91 194.1 157.0 235.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

200000

150000

100000

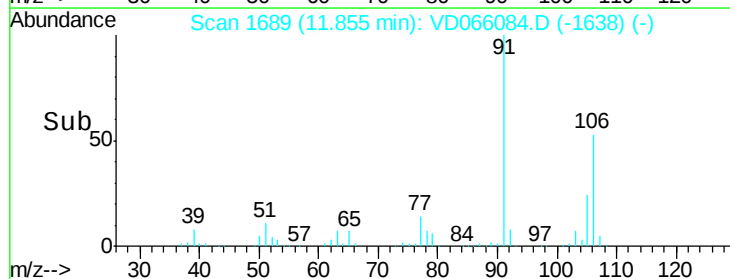
50000

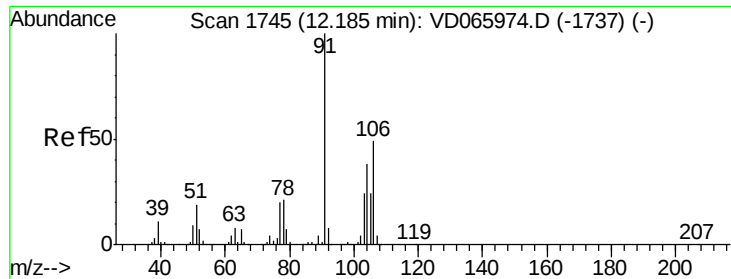
0

11.86

11.80 11.85 11.90

Time-->

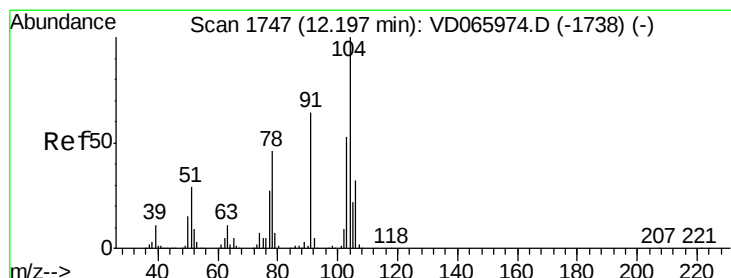
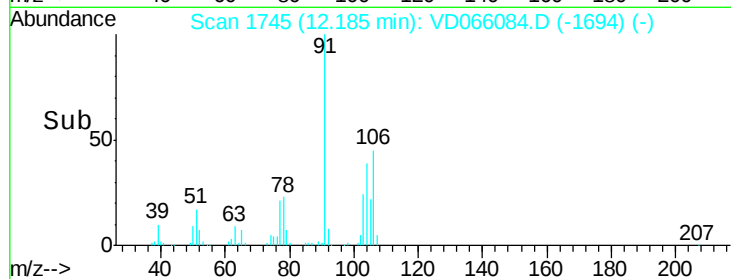
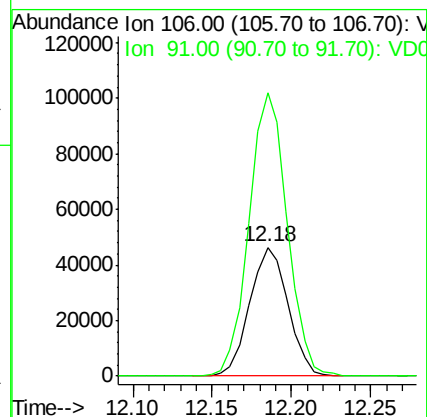
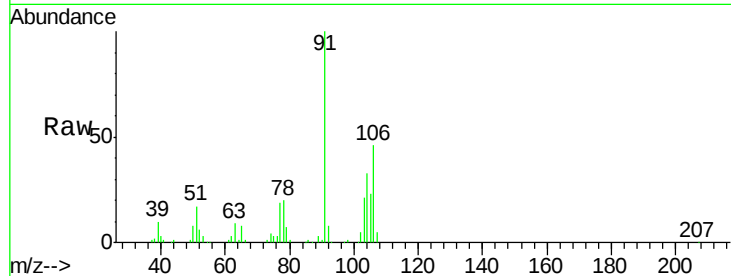




#69
o-Xylene
Concen: 22.369 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

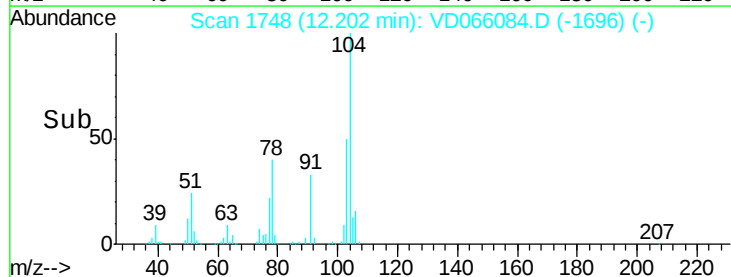
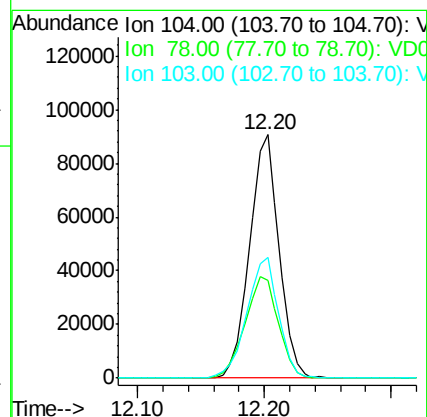
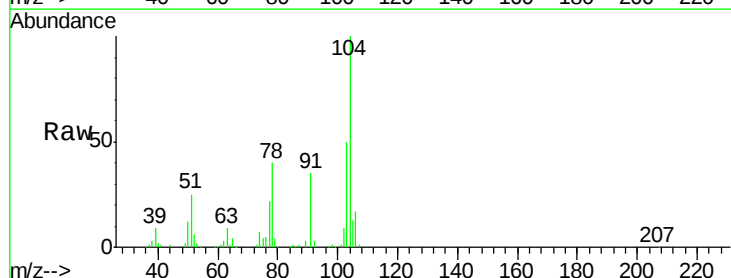
Instrument :
MSVOA_D
ClientSampled :

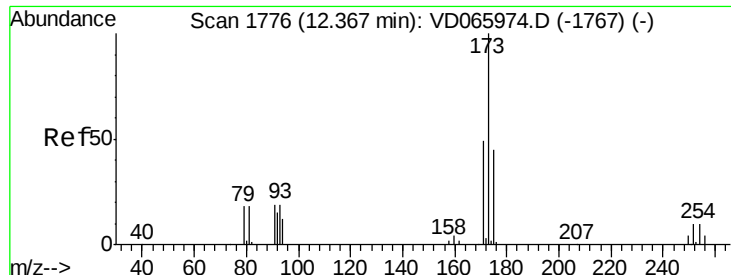
Tot Ion:106 Resp: 77811
Ion Ratio Lower Upper
106 100
91 218.5 103.1 309.3



#70
Styrene
Concen: 24.545 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion:104 Resp: 146696
Ion Ratio Lower Upper
104 100
78 47.2 38.3 57.5
103 53.3 43.8 65.8

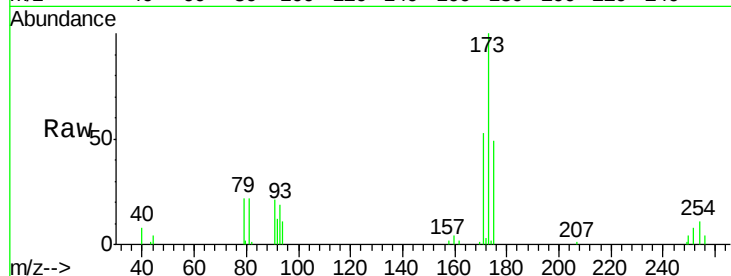




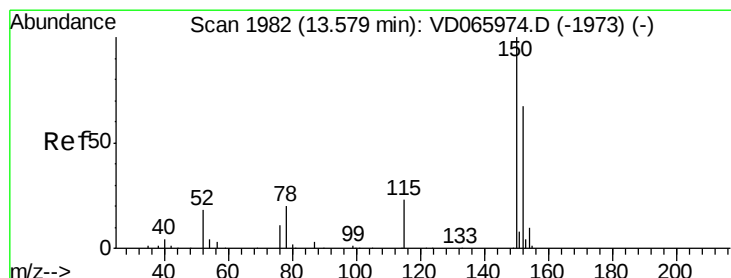
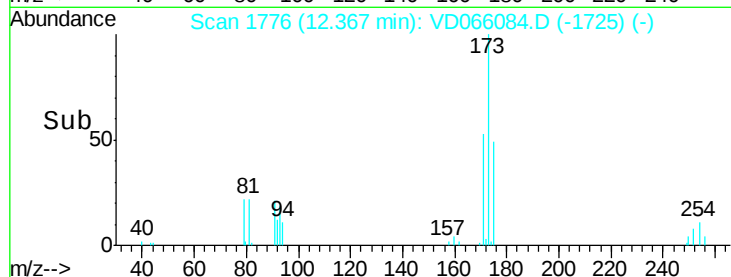
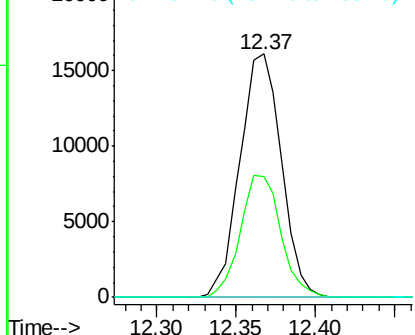
#71
Bromoform
Concen: 23.454 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:173 Resp: 29330
Ion Ratio Lower Upper
173 100
175 48.9 24.1 72.3
254 0.0 0.0 0.0

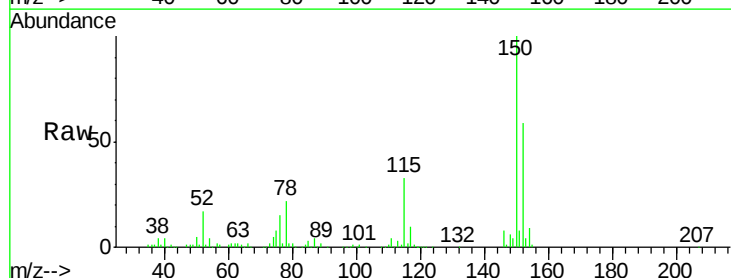


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

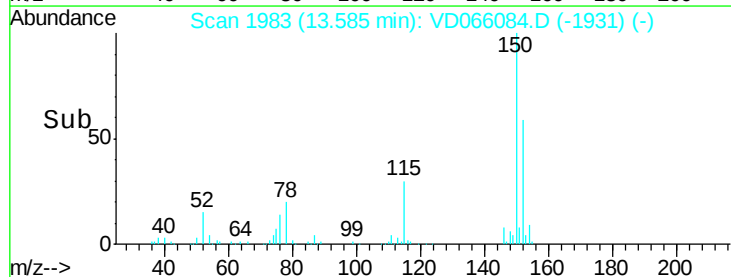
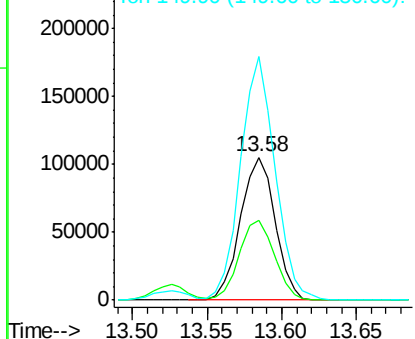


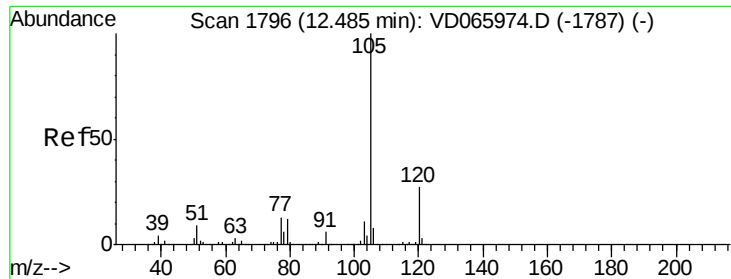
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion:152 Resp: 170016
Ion Ratio Lower Upper
152 100
115 57.2 27.9 83.7
150 169.1 0.0 348.2



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





#73

Isopropylbenzene

Concen: 22.774 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

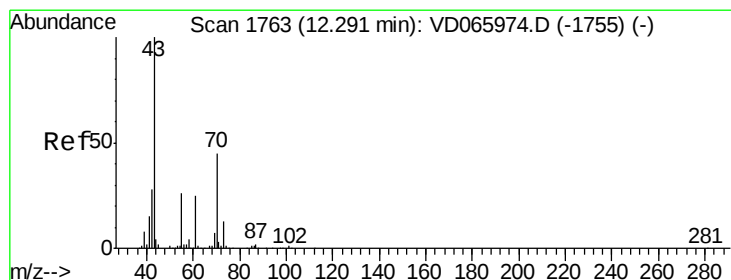
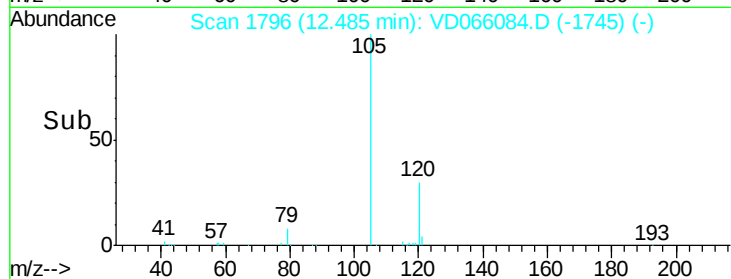
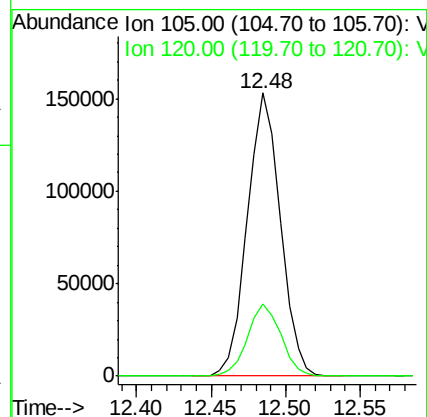
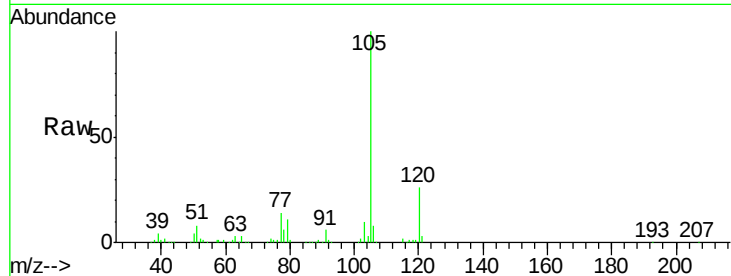
ClientSampleId :

Tot Ion:105 Resp: 234290

Ion Ratio Lower Upper

105 100

120 26.0 13.6 40.8



#74

N-ethyl acetate

Concen: 18.953 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Tgt Ion: 43 Resp: 40427

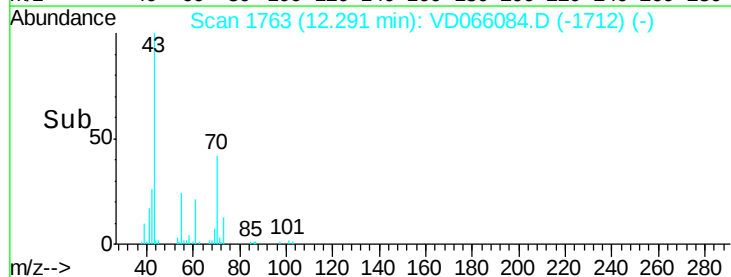
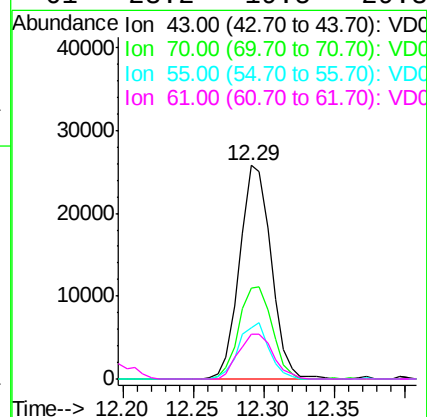
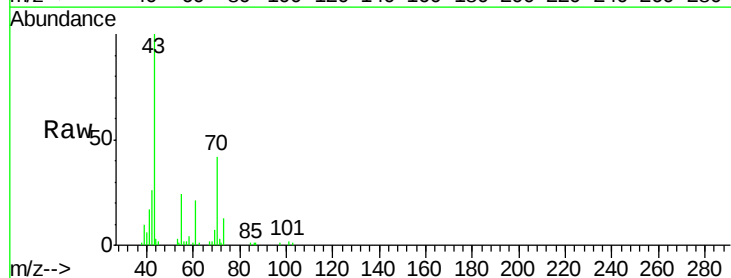
Ion Ratio Lower Upper

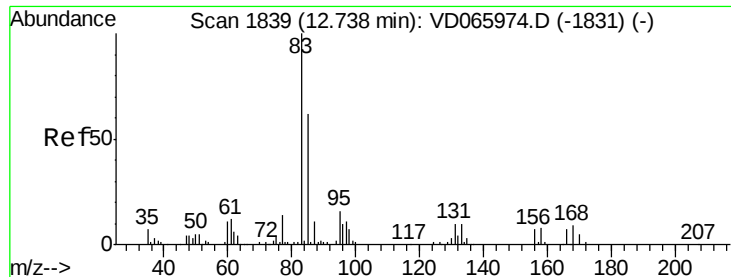
43 100

70 45.1 34.6 51.8

55 24.9 20.3 30.5

61 23.2 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.600 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

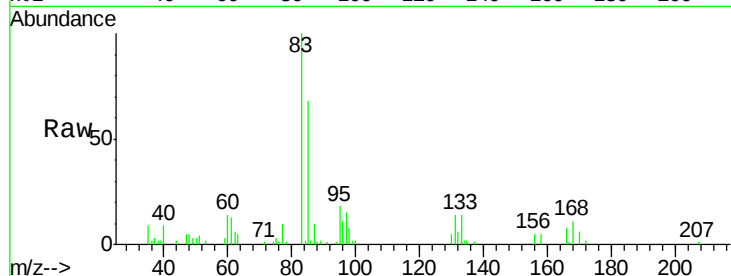
Tot Ion: 83 Resp: 33324

Ion Ratio Lower Upper

83 100

131 13.0 5.7 17.1

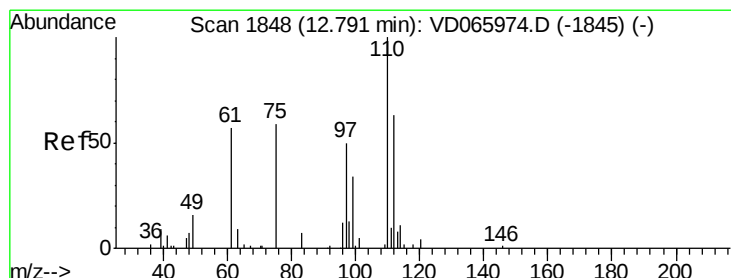
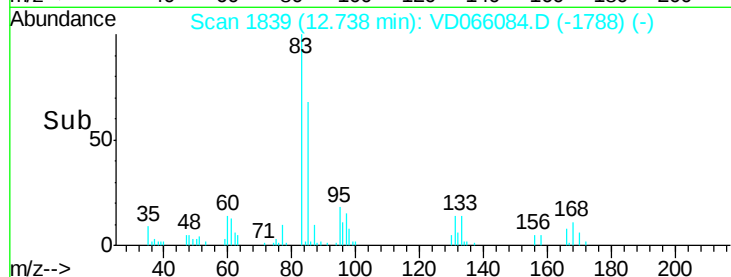
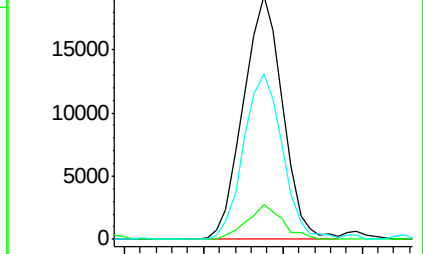
85 66.9 31.9 95.5



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: 35.837 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD066084.D

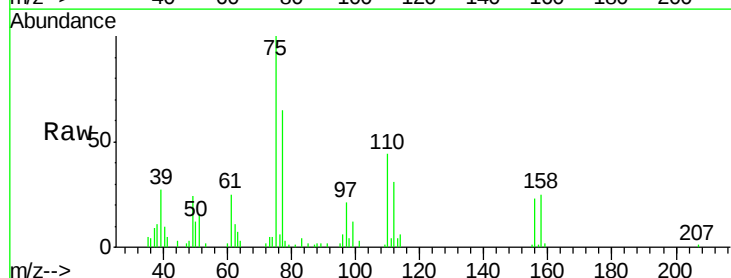
Acq: 29 Jul 2020 11:03

Tgt Ion: 75 Resp: 45876

Ion Ratio Lower Upper

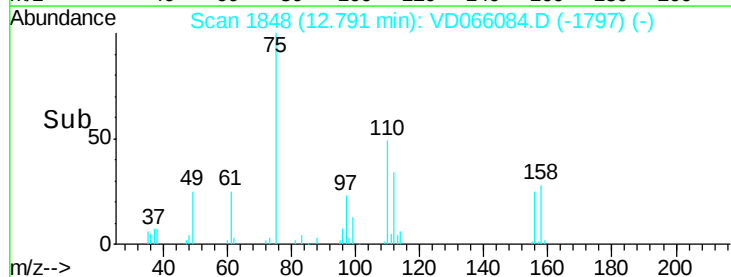
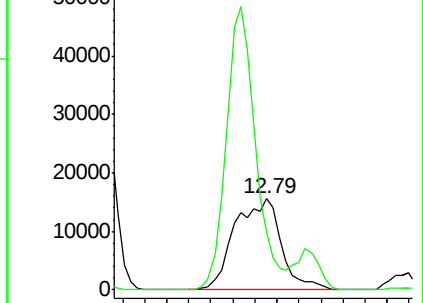
75 100

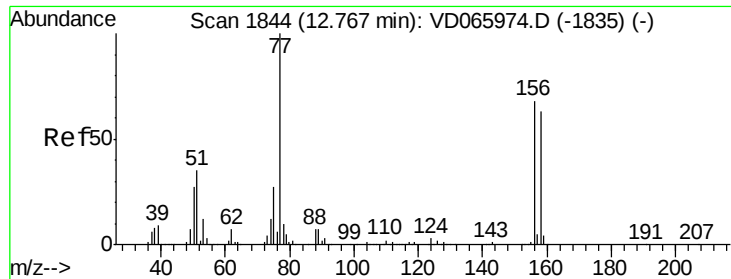
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.624 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

ClientSampled :

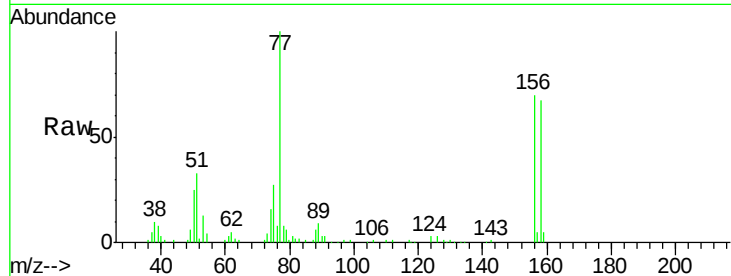
Tot Ion:156 Resp: 56853

Ion Ratio Lower Upper

156 100

77 159.1 83.0 249.0

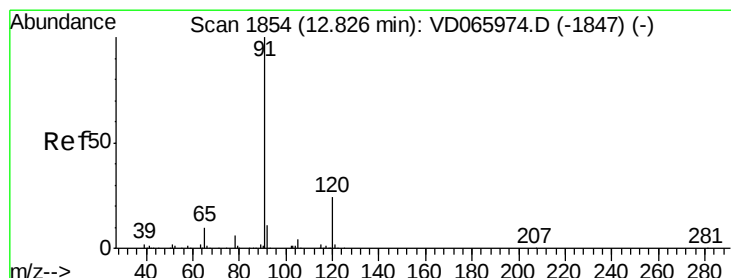
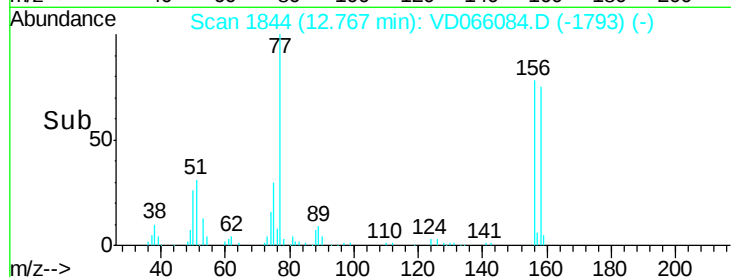
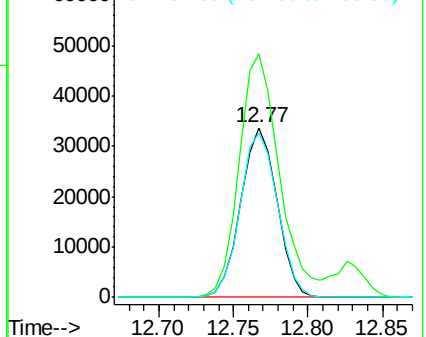
158 99.8 48.2 144.6



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: 22.745 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD066084.D

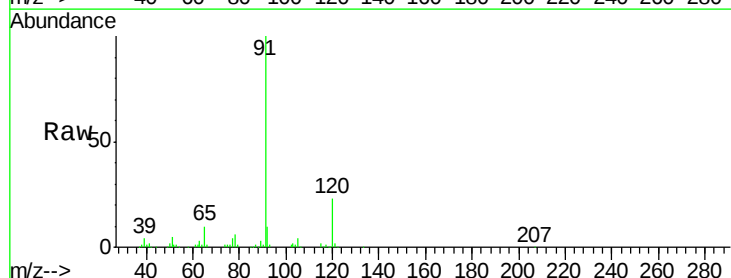
Acq: 29 Jul 2020 11:03

Tgt Ion: 91 Resp: 271530

Ion Ratio Lower Upper

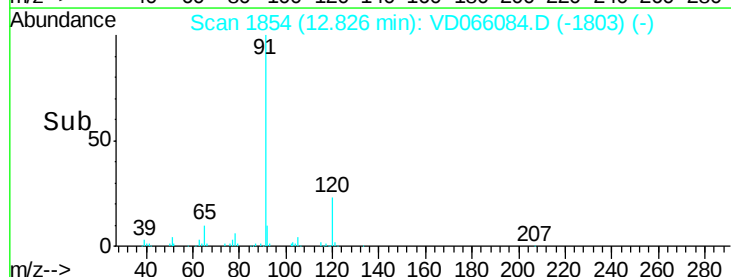
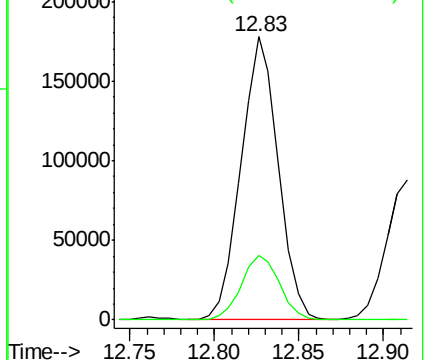
91 100

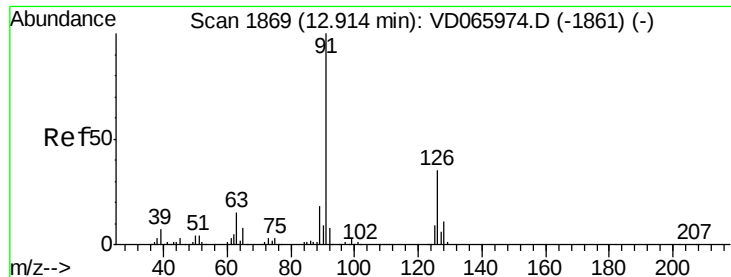
120 23.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.624 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

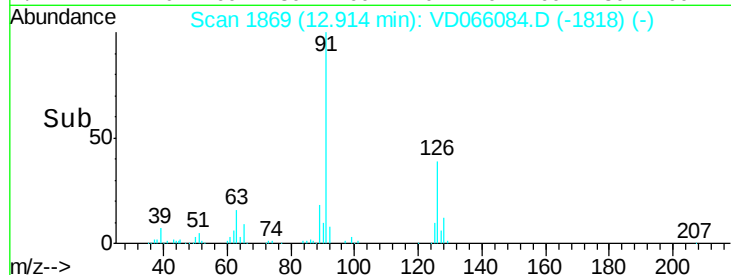
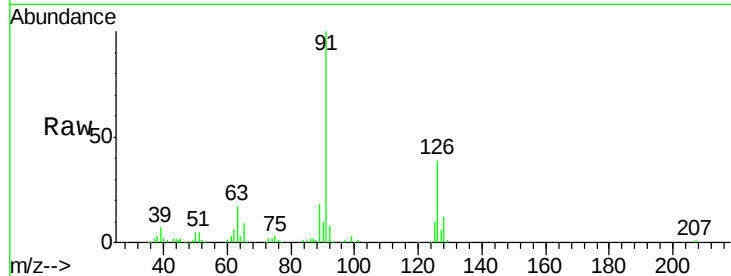
ClientSampled :

Tot Ion: 91 Resp: 147478

Ion Ratio Lower Upper

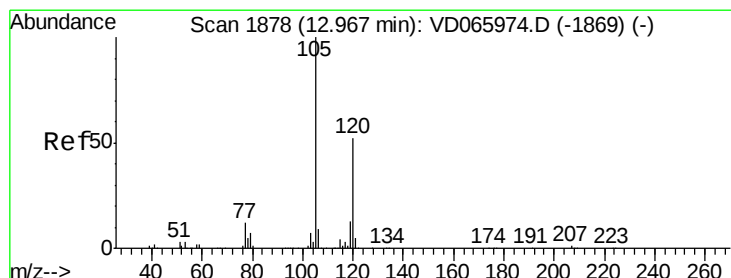
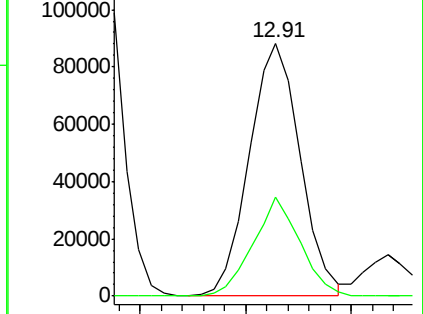
91 100

126 36.4 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VD066084.D (-1818) (-)

Ion 125.90 (125.60 to 126.60): VD066084.D (-1818) (-)



#80

1,3,5-Trimethylbenzene

Concen: 23.664 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD066084.D

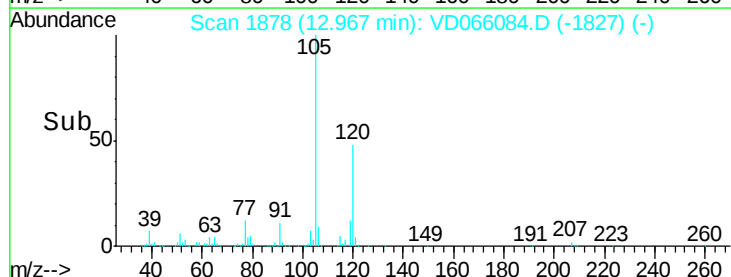
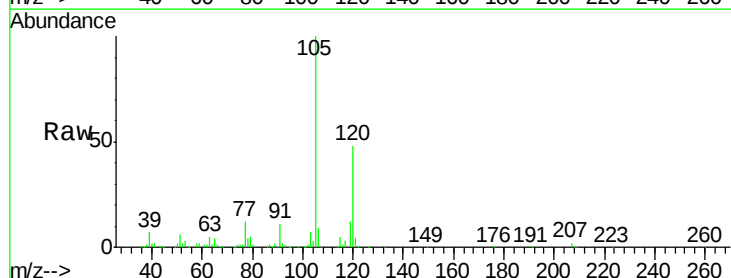
Acq: 29 Jul 2020 11:03

Tgt Ion: 105 Resp: 200012

Ion Ratio Lower Upper

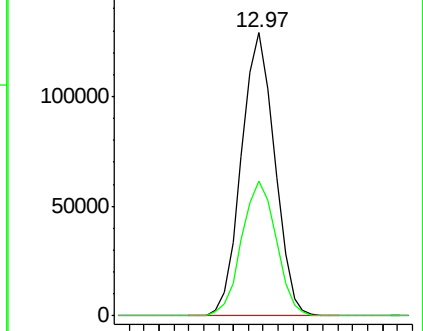
105 100

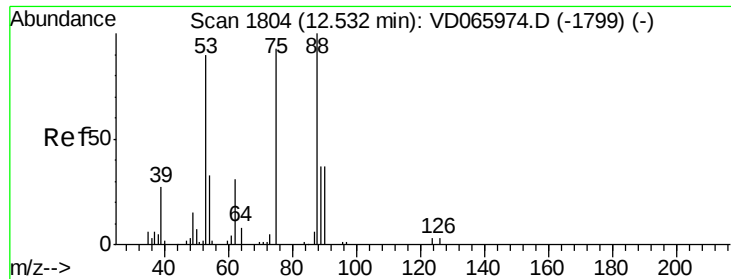
120 49.2 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): VD066084.D (-1827) (-)

Ion 120.00 (119.70 to 120.70): VD066084.D (-1827) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.712 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

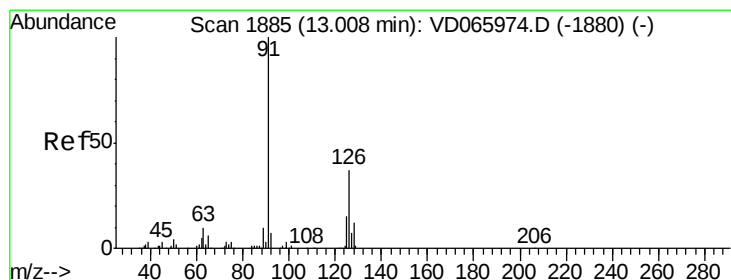
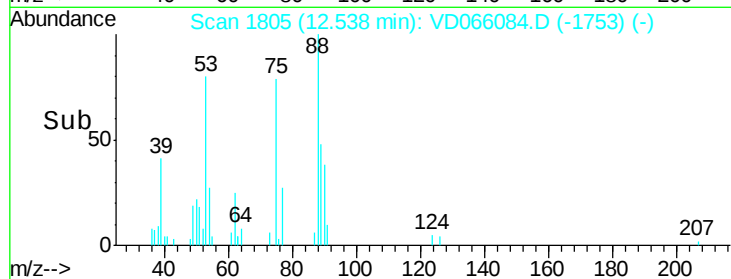
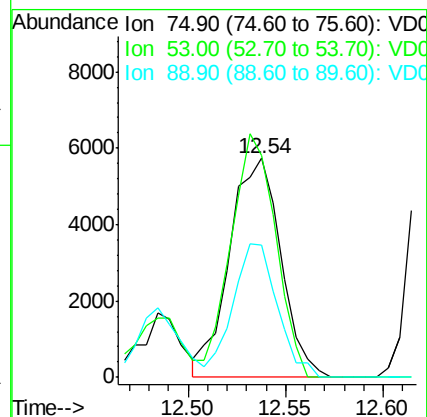
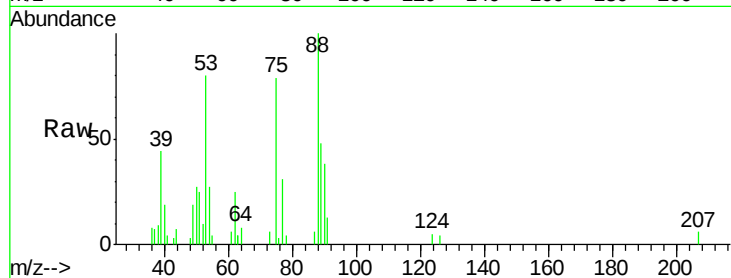
Tot Ion: 75 Resp: 10439

Ion Ratio Lower Upper

75 100

53 96.3 76.8 115.2

89 53.0 37.0 55.4



#82

4-Chlorotoluene

Concen: 21.964 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD066084.D

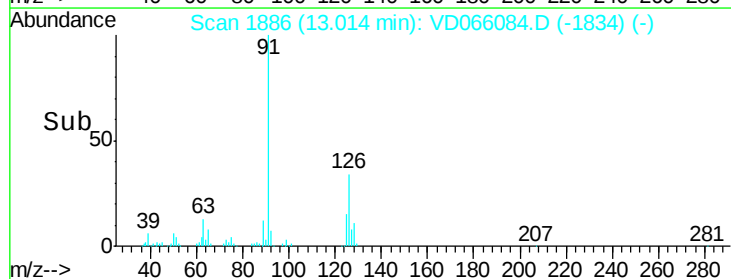
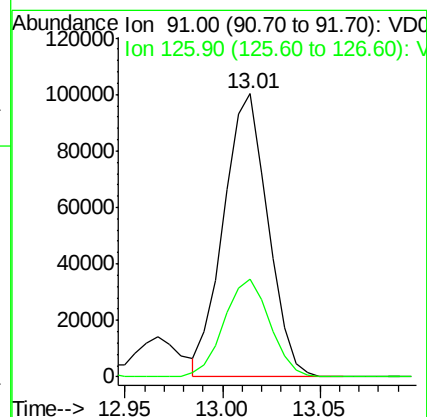
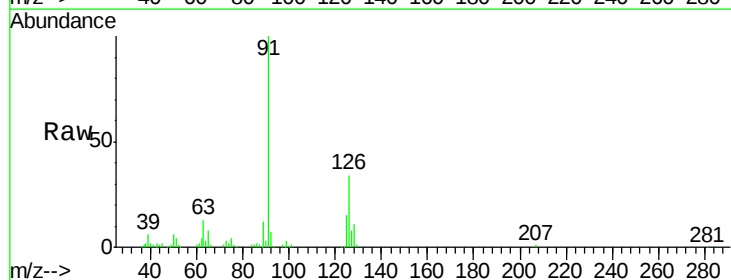
Acq: 29 Jul 2020 11:03

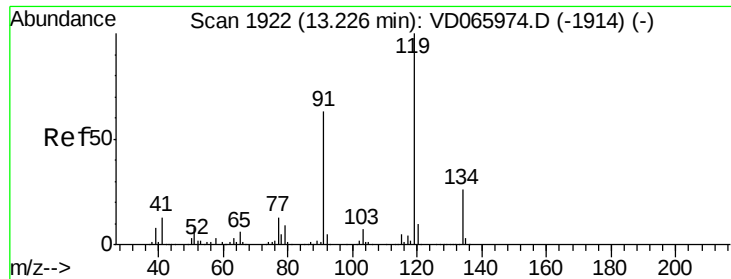
Tgt Ion: 91 Resp: 158110

Ion Ratio Lower Upper

91 100

126 36.0 17.8 53.5

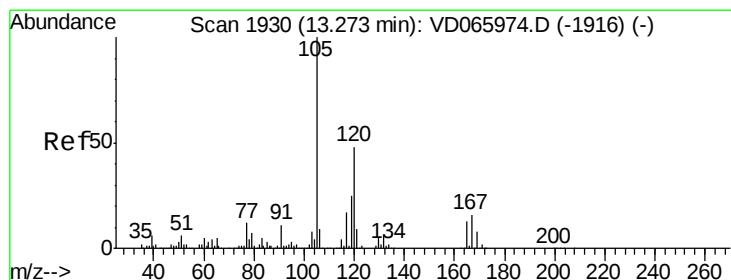
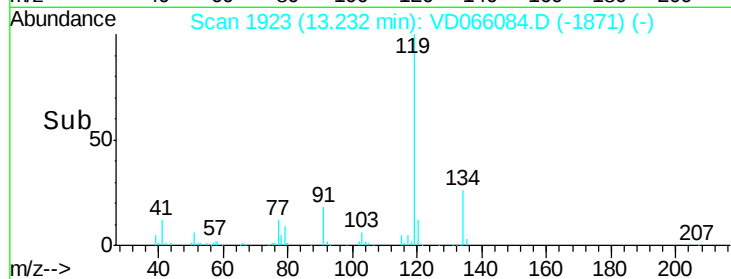
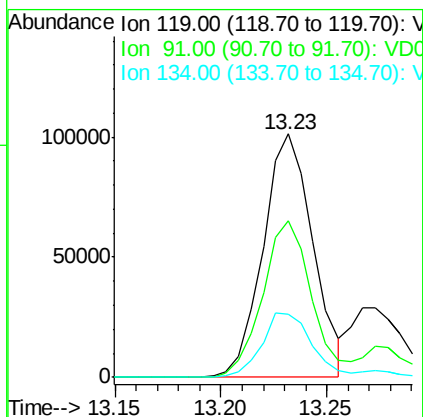
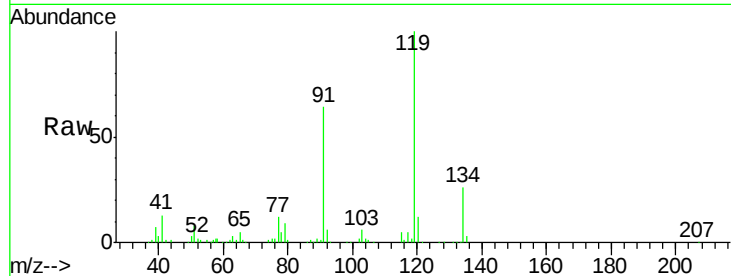




#83
 tert-Butylbenzene
 Concen: 22.500 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

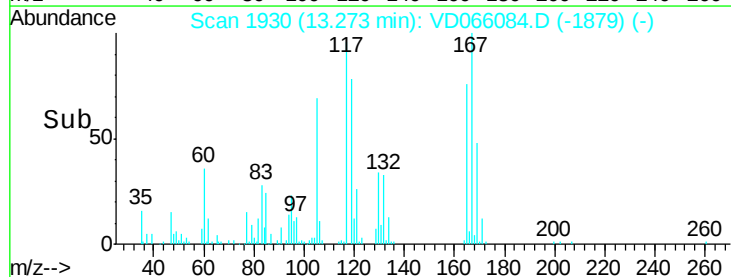
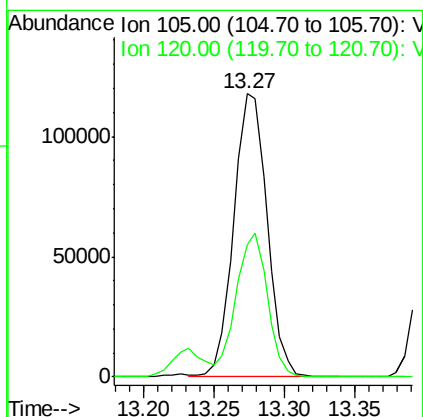
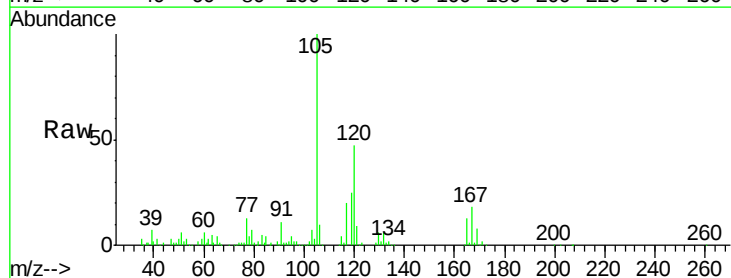
Instrument :
 MSVOA_D
 ClientSampled :

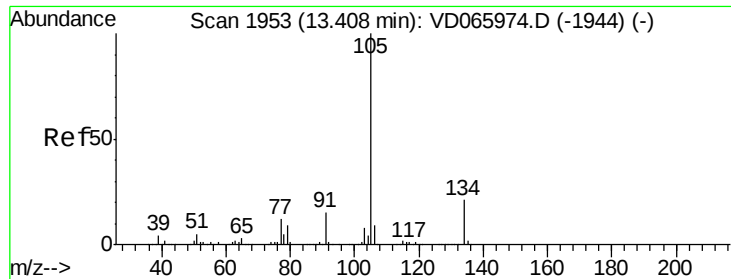
Tot Ion:119 Resp: 166412
 Ion Ratio Lower Upper
 119 100
 91 63.4 30.6 91.6
 134 26.6 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 23.304 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Tgt Ion:105 Resp: 194324
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.9 71.8





#85

sec-Butylbenzene

Concen: 22.829 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

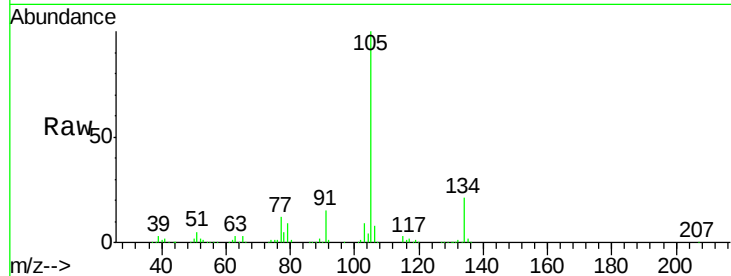
ClientSampleId :

Tot Ion:105 Resp: 232566

Ion Ratio Lower Upper

105 100

134 21.3 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

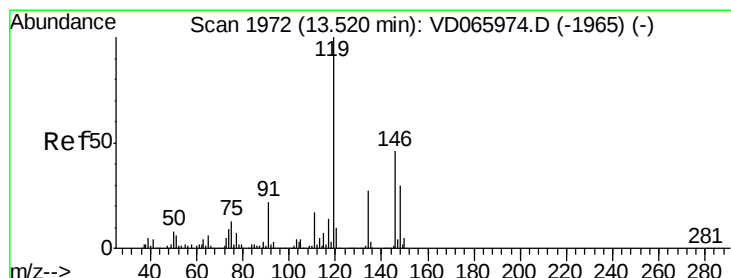
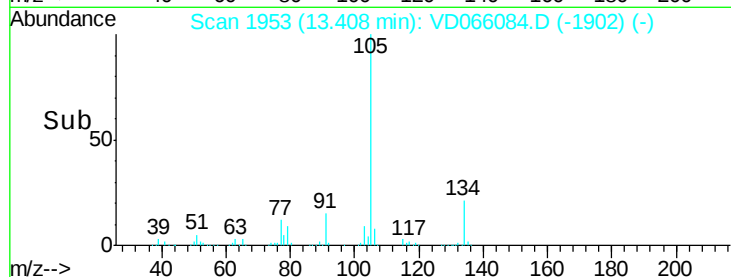
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 23.950 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

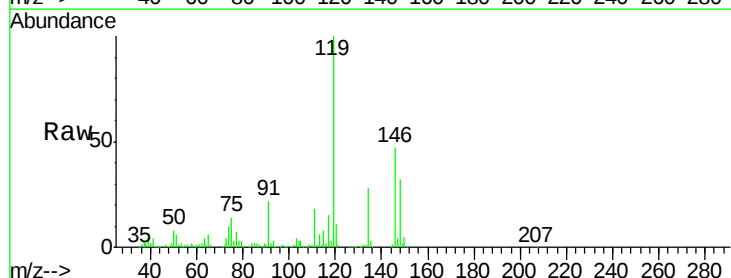
Tgt Ion:119 Resp: 221663

Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.2

91 22.9 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

200000

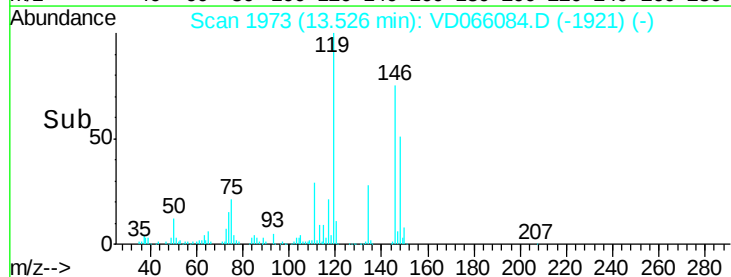
150000

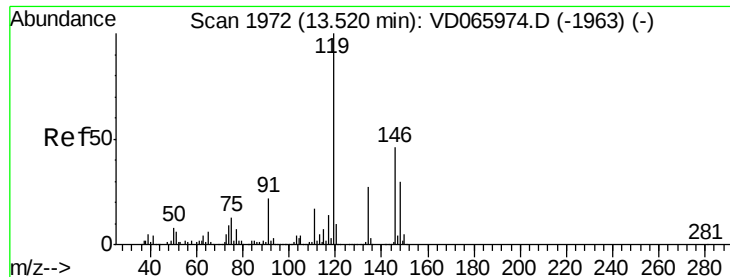
100000

50000

0

Time-->

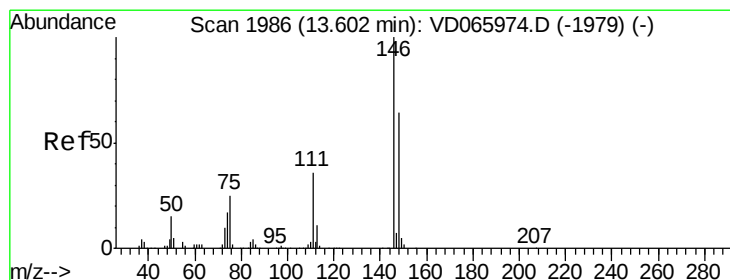
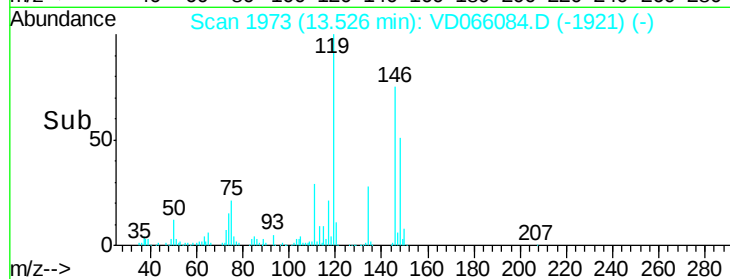
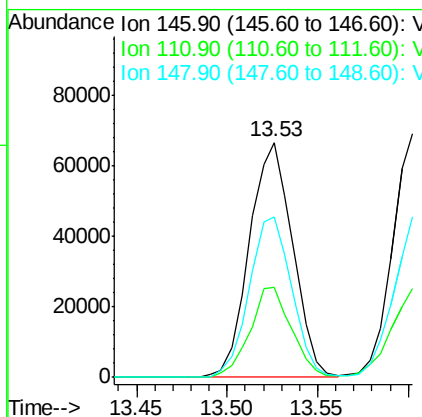
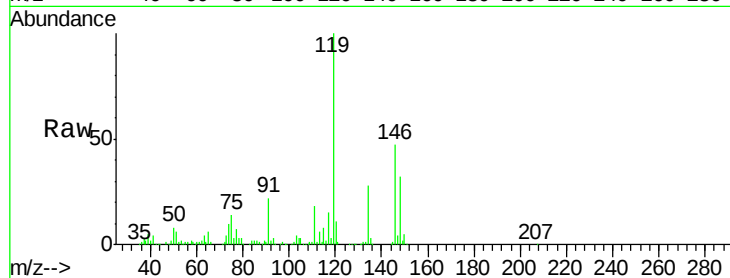




#87
 1,3-Dichlorobenzene
 Concen: 22.645 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

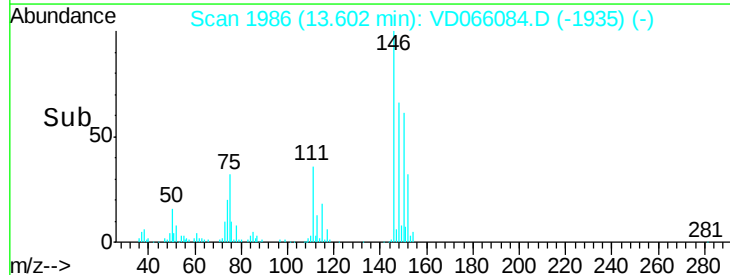
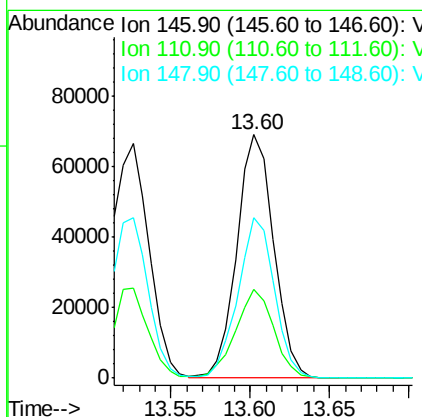
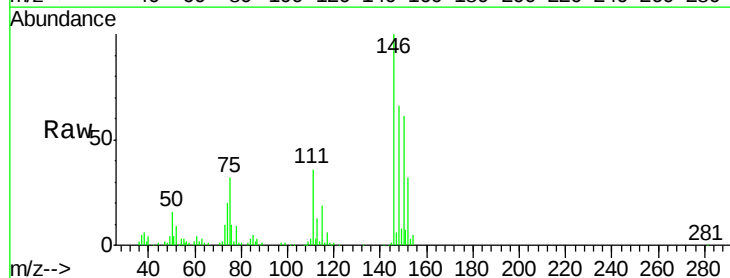
Instrument :
 MSVOA_D
 ClientSampled :

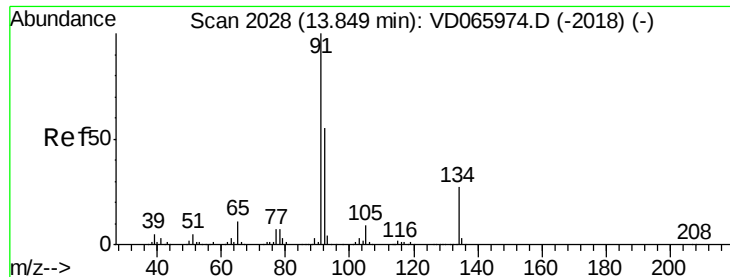
Tot Ion:146 Resp: 110540
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.6 55.6
 148 67.1 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 22.664 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Tgt Ion:146 Resp: 111838
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.8 56.4
 148 65.2 32.2 96.6

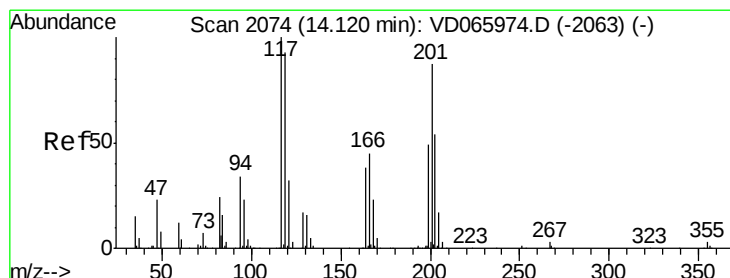
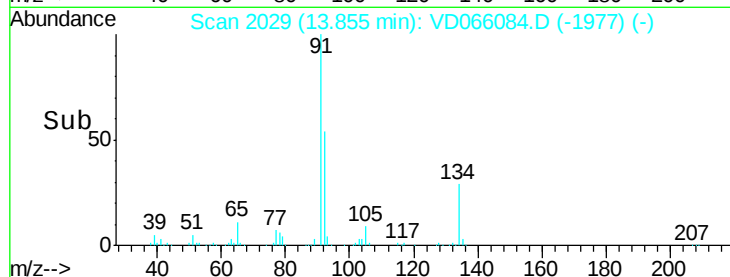
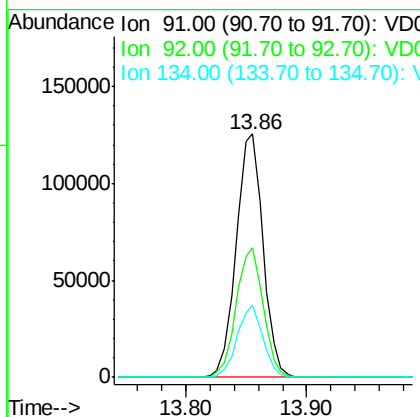
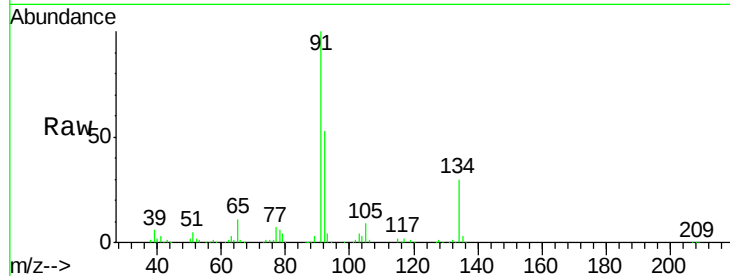




#89
n-Butylbenzene
Concen: 22.612 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

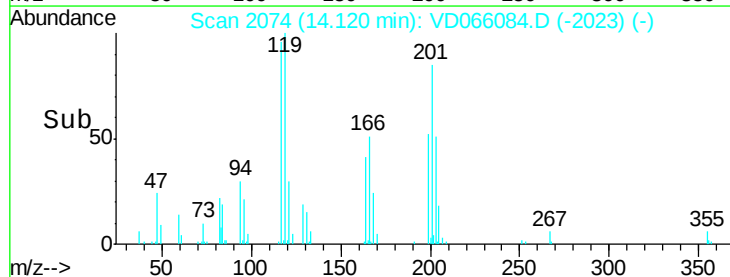
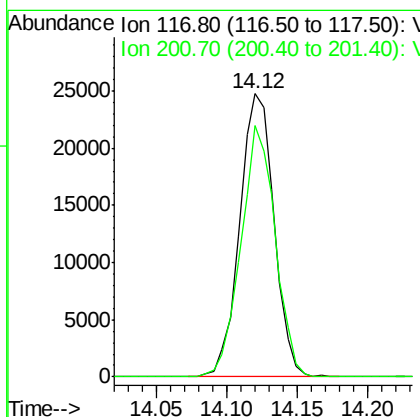
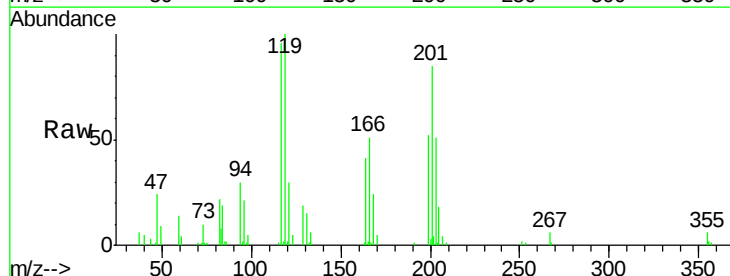
Instrument :
MSVOA_D
ClientSampleId :

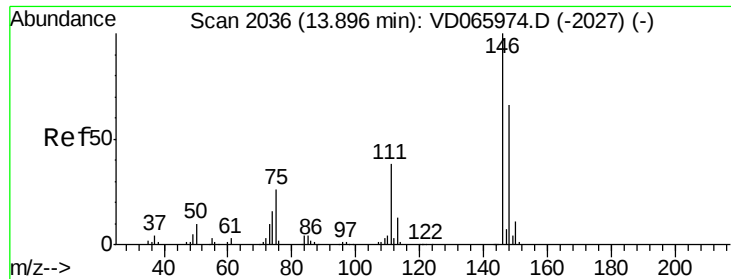
Tot Ion: 91 Resp: 194592
Ion Ratio Lower Upper
91 100
92 53.8 27.2 81.6
134 28.3 13.8 41.4



#90
Hexachloroethane
Concen: 21.960 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD066084.D
Acq: 29 Jul 2020 11:03

Tgt Ion: 117 Resp: 42074
Ion Ratio Lower Upper
117 100
201 88.9 42.0 126.1





#91

1,2-Dichlorobenzene

Concen: 22.743 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

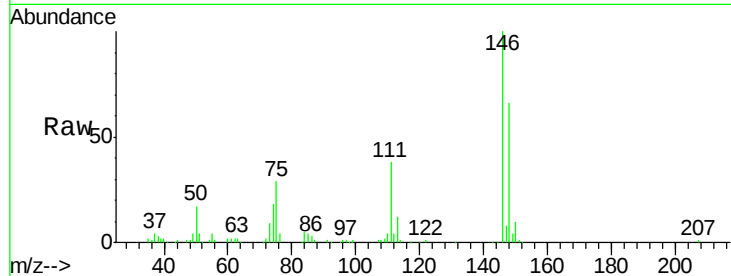
Tot Ion:146 Resp: 96201

Ion Ratio Lower Upper

146 100

111 39.1 19.3 57.9

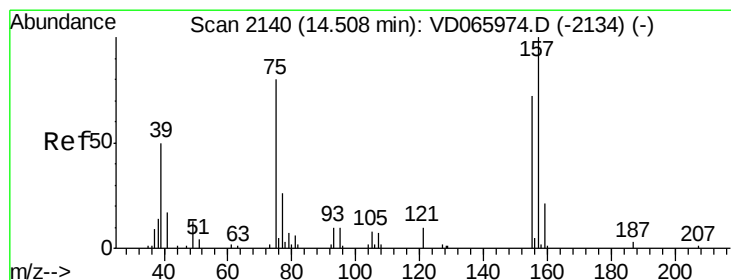
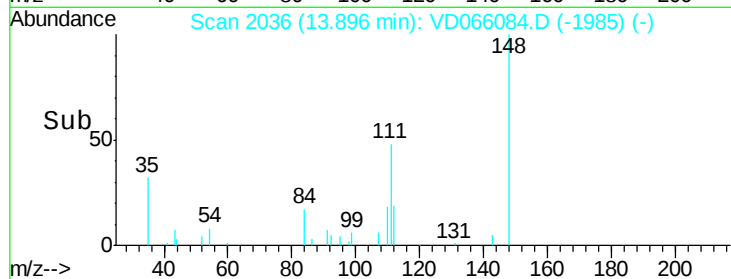
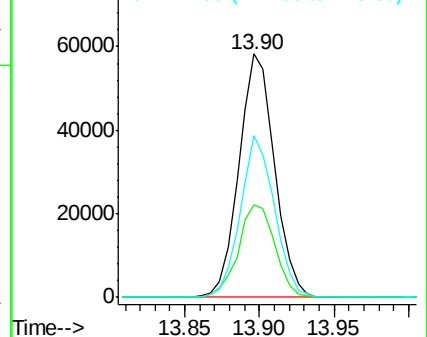
148 63.6 32.7 98.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.594 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

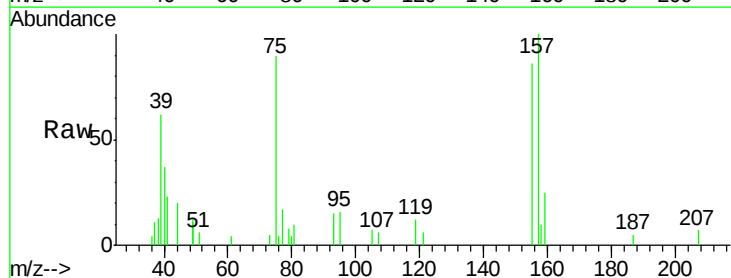
Tgt Ion: 75 Resp: 6017

Ion Ratio Lower Upper

75 100

155 86.0 48.5 145.5

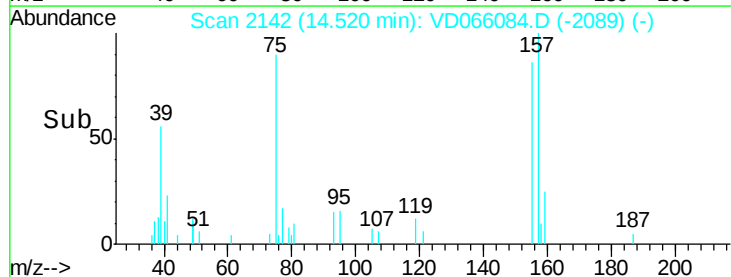
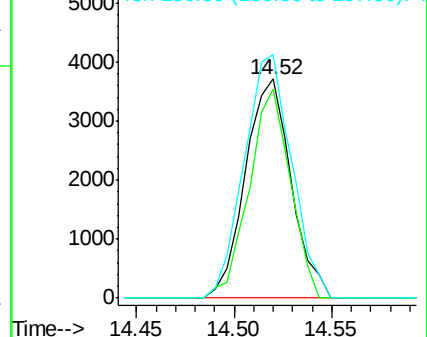
157 115.6 64.7 194.1

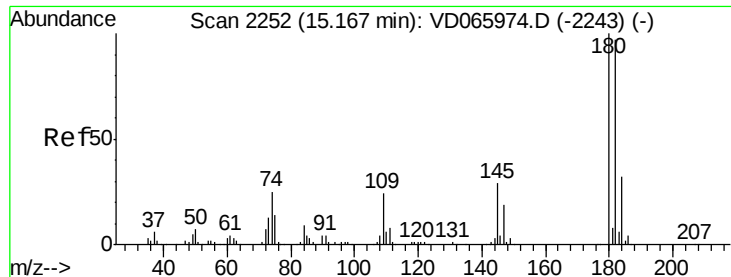


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

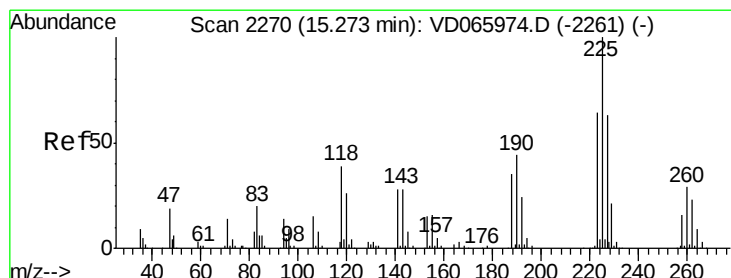
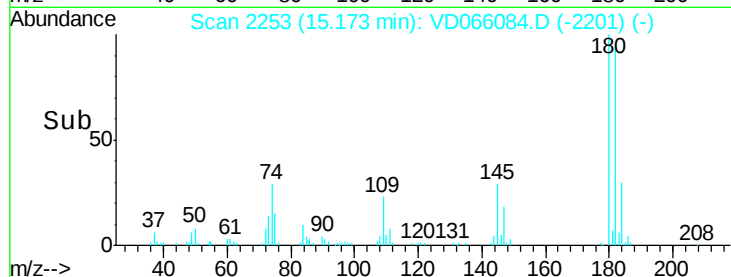
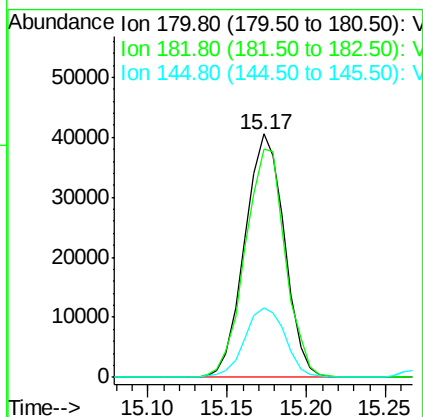
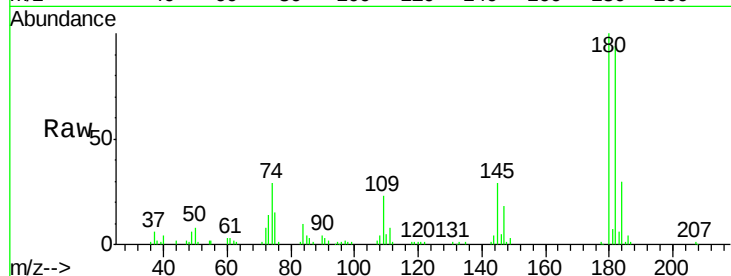




#93
 1,2,4-Trichlorobenzene
 Concen: 23.133 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

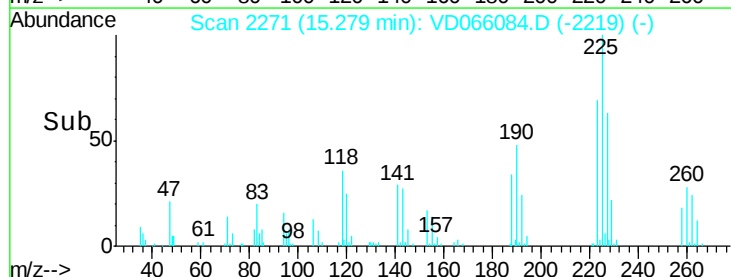
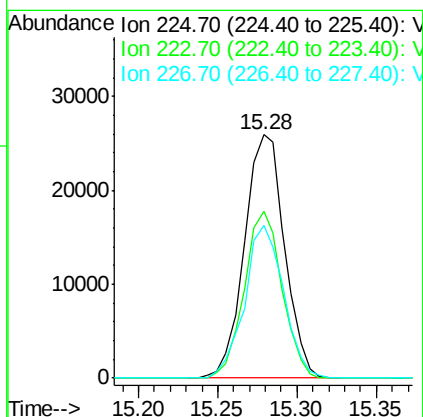
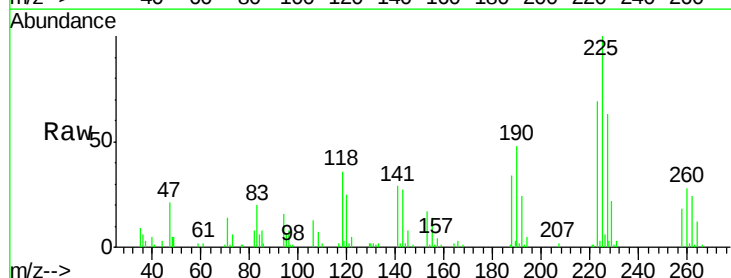
Instrument :
 MSVOA_D
 ClientSampled :

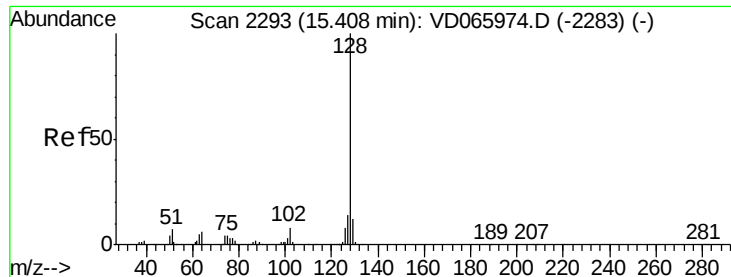
Tot Ion:180 Resp: 70236
 Ion Ratio Lower Upper
 180 100
 182 95.6 48.1 144.3
 145 29.4 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 24.291 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD066084.D
 Acq: 29 Jul 2020 11:03

Tgt Ion:225 Resp: 45595
 Ion Ratio Lower Upper
 225 100
 223 64.2 31.2 93.6
 227 60.7 31.6 94.8





#95

Naphthalene

Concen: 21.168 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

Instrument :

MSVOA_D

ClientSampleId :

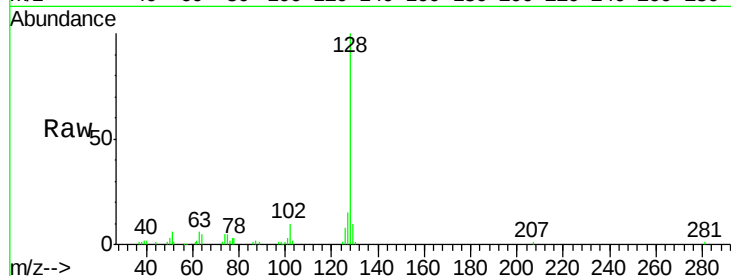
Tot Ion:128 Resp: 102403

Ion Ratio Lower Upper

128 100

127 14.3 10.8 16.2

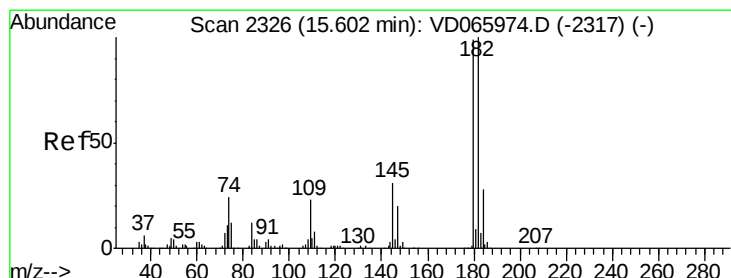
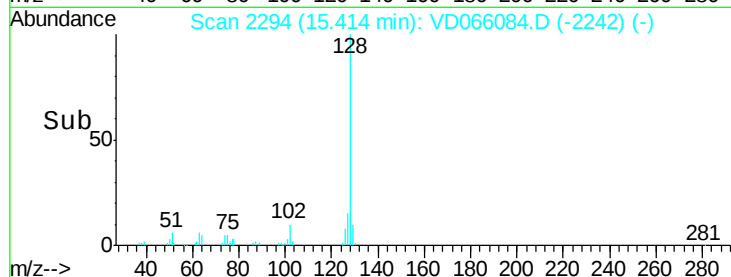
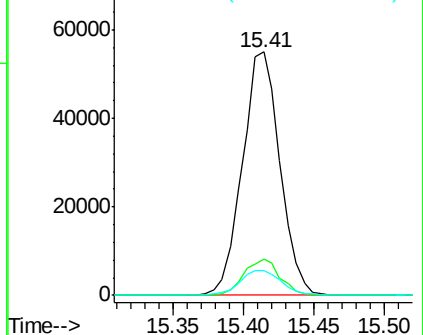
129 11.1 8.9 13.3



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: 22.844 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.01 min

Lab File: VD066084.D

Acq: 29 Jul 2020 11:03

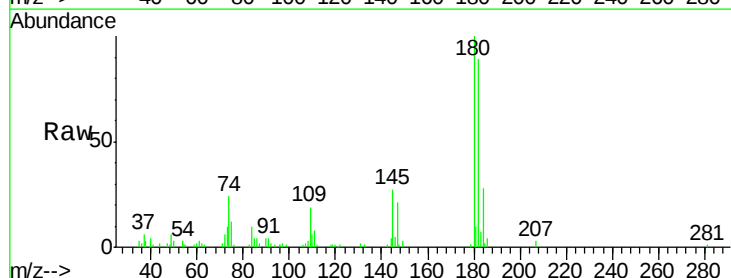
Tgt Ion:180 Resp: 60297

Ion Ratio Lower Upper

180 100

182 94.5 47.9 143.6

145 29.8 15.4 46.2



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

