

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082520\
 Data File : VD066396.D
 Acq On : 25 Aug 2020 12:24
 Operator : VA/SY
 Sample : VD0825SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0825SBS01

Quant Time: Aug 26 08:01:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	214210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	299404	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	278970	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	146765	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.32	65	118032	56.20	ug/l	0.00
Spiked Amount			Recovery	=	112.40%	
35) Dibromofluoromethane	7.91	113	99462	53.13	ug/l	0.00
Spiked Amount			Recovery	=	106.26%	
50) Toluene-d8	10.33	98	368328	53.77	ug/l	0.00
Spiked Amount			Recovery	=	107.54%	
62) 4-Bromofluorobenzene	12.63	95	133627	54.97	ug/l	0.00
Spiked Amount			Recovery	=	109.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	35905	19.716	ug/l	94
3) Chloromethane	2.21	50	24902	19.291	ug/l	100
4) Vinyl Chloride	2.34	62	26588	19.184	ug/l	93
5) Bromomethane	2.75	94	20368	19.648	ug/l	95
6) Chloroethane	2.91	64	16839	18.974	ug/l #	88
7) Trichlorofluoromethane	3.27	101	74316	19.719	ug/l	99
8) Diethyl Ether	3.71	74	16563	19.615	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	34892	18.760	ug/l	98
10) Methyl Iodide	4.30	142	29707	14.004	ug/l	97
11) Tert butyl alcohol	5.17	59	5619	3.362	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	31668	18.139	ug/l	94
13) Acrolein	3.92	56	8122	87.092	ug/l	97
14) Allyl chloride	4.71	41	42432	18.209	ug/l	96
15) Acrylonitrile	5.42	53	33911	100.091	ug/l #	84
16) Acetone	4.15	43	36453	96.280	ug/l	93
17) Carbon Disulfide	4.40	76	94171	17.798	ug/l #	93
18) Methyl Acetate	4.71	43	14566	20.498	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	86667	20.616	ug/l	96
20) Methylene Chloride	4.96	84	46697	19.177	ug/l #	88
21) trans-1,2-Dichloroethene	5.47	96	36938	18.175	ug/l	94
22) Diisopropyl ether	6.35	45	86049	19.072	ug/l	94
23) Vinyl Acetate	6.30	43	269873	96.622	ug/l	100
24) 1,1-Dichloroethane	6.26	63	61533	19.299	ug/l	98
25) 2-Butanone	7.20	43	42271	98.345	ug/l #	88
26) 2,2-Dichloropropane	7.21	77	67031	19.615	ug/l	99
27) cis-1,2-Dichloroethene	7.20	96	42939	19.718	ug/l	98
28) Bromochloromethane	7.53	49	20075	18.279	ug/l #	91
29) Tetrahydrofuran	7.56	42	24555	100.580	ug/l	96
30) Chloroform	7.70	83	72154	19.560	ug/l	98
31) Cyclohexane	7.97	56	50746	17.403	ug/l	93
32) 1,1,1-Trichloroethane	7.89	97	73965	19.591	ug/l	98
36) 1,1-Dichloropropene	8.10	75	51476	18.843	ug/l	100
37) Ethyl Acetate	7.28	43	18098	19.478	ug/l #	95
38) Carbon Tetrachloride	8.09	117	72234	20.295	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	59504	18.490	ug/l	97
40) Benzene	8.34	78	140331	19.526	ug/l	94
41) Methacrylonitrile	7.56	41	26607	46.435	ug/l #	60
42) 1,2-Dichloroethane	8.41	62	51648	20.405	ug/l	98
43) Isopropyl Acetate	8.44	43	38867	20.841	ug/l	98
44) Trichloroethene	9.10	130	43735	18.728	ug/l	92
45) 1,2-Dichloropropane	9.38	63	31981	19.629	ug/l	100
46) Dibromomethane	9.47	93	19652	19.373	ug/l	96
47) Bromodichloromethane	9.66	83	58671	21.031	ug/l	93
48) Methyl methacrylate	9.46	41	17667	18.371	ug/l #	89
49) 1,4-Dioxane	9.46	88	3915	332.373	ug/l #	74
51) 4-Methyl-2-Pentanone	10.23	43	94110	104.314	ug/l	100
52) Toluene	10.40	92	96407	19.800	ug/l	96
53) t-1,3-Dichloropropene	10.61	75	54242	20.491	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	59269	19.948	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	28970	21.095	ug/l	93
56) Ethyl methacrylate	10.66	69	32840	20.657	ug/l	93
57) 1,3-Dichloropropane	10.94	76	46164	20.323	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	73719	111.651	ug/l	95
59) 2-Hexanone	10.98	43	66656	104.744	ug/l	99
60) Dibromochloromethane	11.13	129	44388	21.443	ug/l	96
61) 1,2-Dibromoethane	11.24	107	27930	20.667	ug/l	97
64) Tetrachloroethene	10.87	164	40954	19.352	ug/l	91
65) Chlorobenzene	11.67	112	106697	19.224	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	44870	19.783	ug/l	98
67) Ethyl Benzene	11.74	91	190180	19.466	ug/l	96
68) m/p-Xylenes	11.86	106	149685	40.198	ug/l	98
69) o-Xylene	12.18	106	68820	19.866	ug/l	98
70) Styrene	12.20	104	119057	20.016	ug/l	98
71) Bromoform	12.36	173	27009	20.989	ug/l #	100
73) Isopropylbenzene	12.48	105	193220	19.653	ug/l	99
74) N-amyl acetate	12.29	43	36046	20.299	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	28695	20.431	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	41487	40.181	ug/l #	1
77) Bromobenzene	12.76	156	49945	20.015	ug/l	96
78) n-propylbenzene	12.82	91	221801	19.675	ug/l	100
79) 2-Chlorotoluene	12.91	91	126935	19.715	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	166953	19.667	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	10132	20.830	ug/l	100
82) 4-Chlorotoluene	13.00	91	137758	20.195	ug/l	98
83) tert-Butylbenzene	13.23	119	142568	19.336	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	172468	20.685	ug/l	98
85) sec-Butylbenzene	13.40	105	188446	19.507	ug/l	100
86) p-Isopropyltoluene	13.52	119	184992	19.860	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	93591	20.092	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	93978	20.093	ug/l	99
89) n-Butylbenzene	13.84	91	158733	19.311	ug/l	100
90) Hexachloroethane	14.11	117	34985	19.013	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	82501	20.574	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5652	19.187	ug/l	95

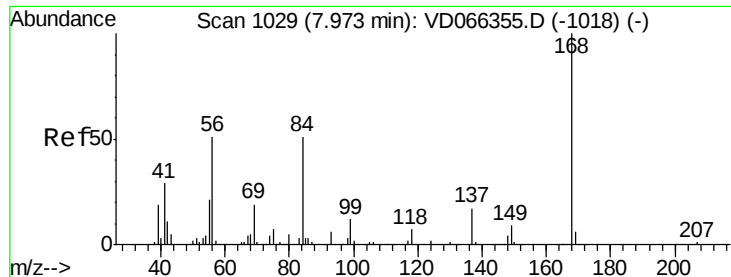
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082520\
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Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	61581	19.671	ug/l	98
94) Hexachlorobutadiene	15.27	225	39540	20.324	ug/l	95
95) Naphthalene	15.41	128	100747	20.490	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	52801	19.689	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

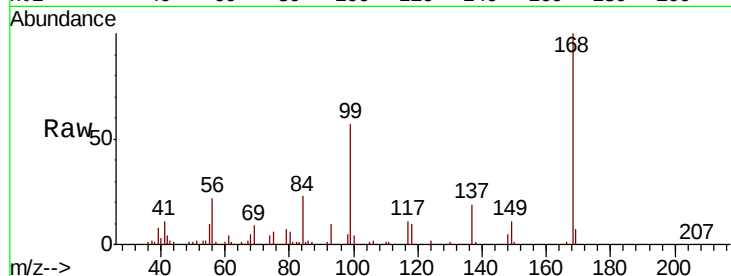
VD0825SBS01

Tot Ion:168 Resp: 214210

Ion Ratio Lower Upper

168 100

99 57.0 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

100000

80000

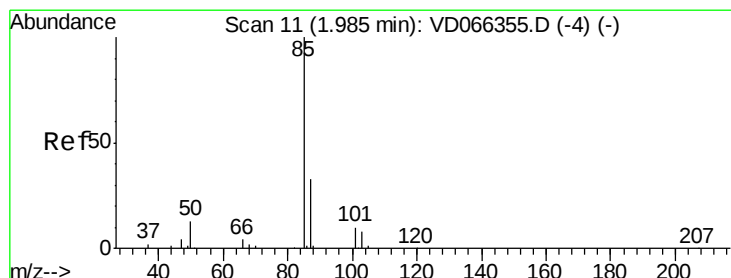
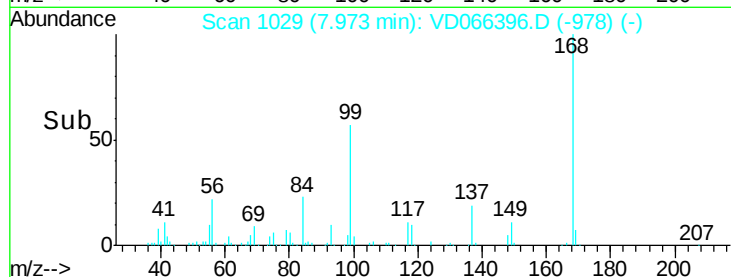
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.716 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066396.D

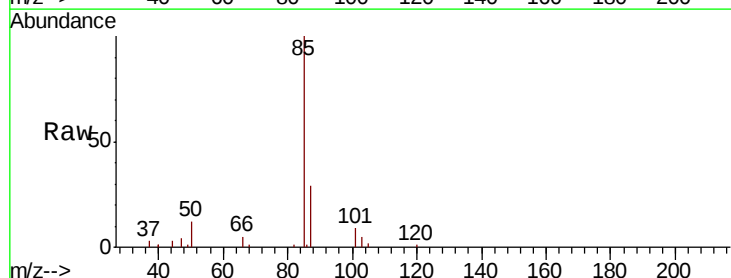
Acq: 25 Aug 2020 12:24

Tgt Ion: 85 Resp: 35905

Ion Ratio Lower Upper

85 100

87 29.4 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

30000

25000

20000

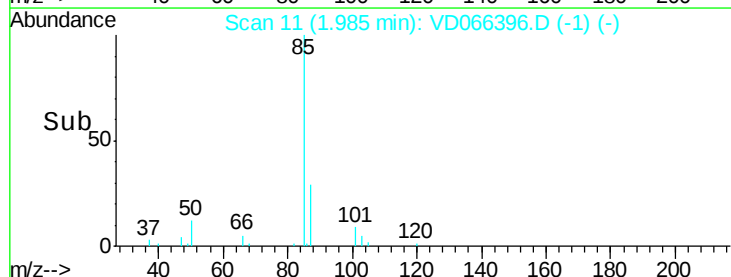
15000

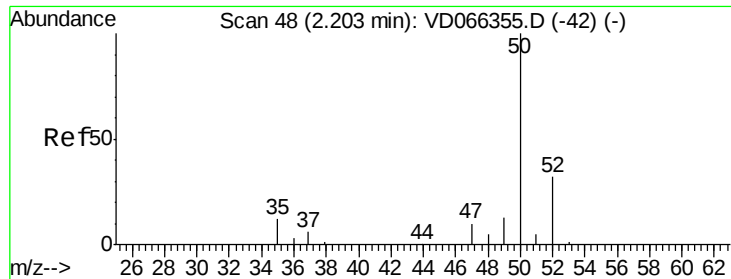
10000

5000

0

Time-->





#3

Chloromethane

Concen: 19.291 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

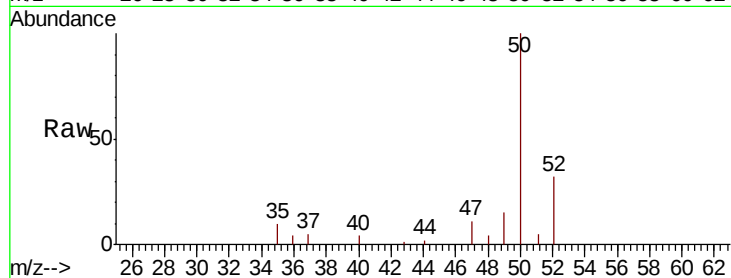
VD0825SBS01

Tot Ion: 50 Resp: 24902

Ion Ratio Lower Upper

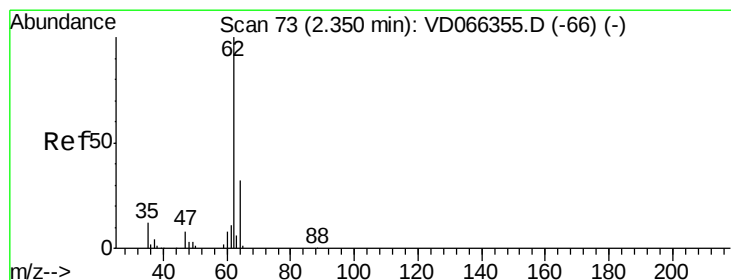
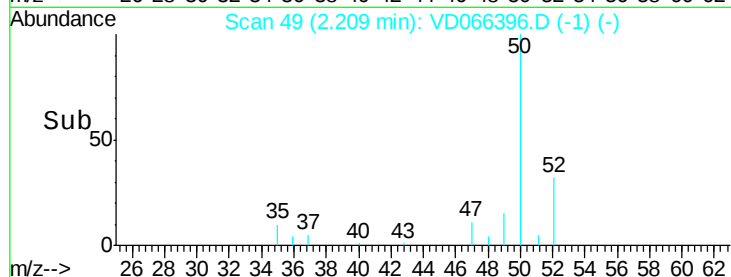
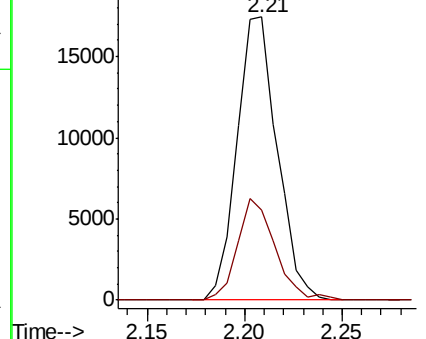
50 100

52 32.0 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.184 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD066396.D

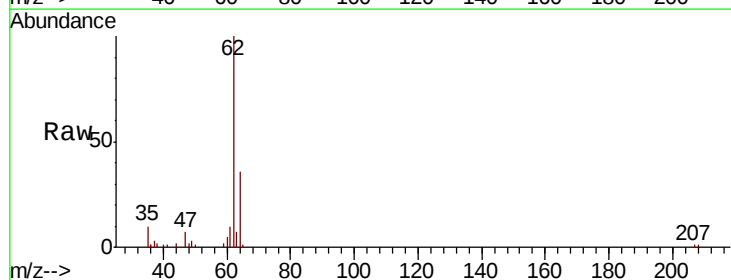
Acq: 25 Aug 2020 12:24

Tgt Ion: 62 Resp: 26588

Ion Ratio Lower Upper

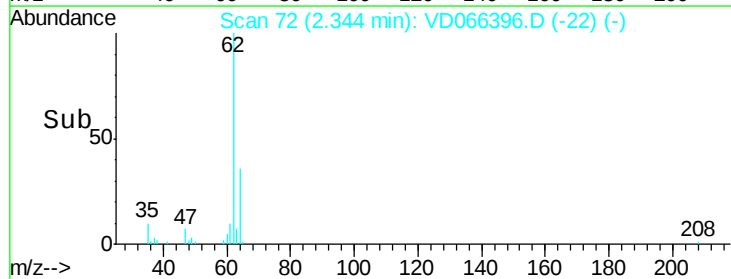
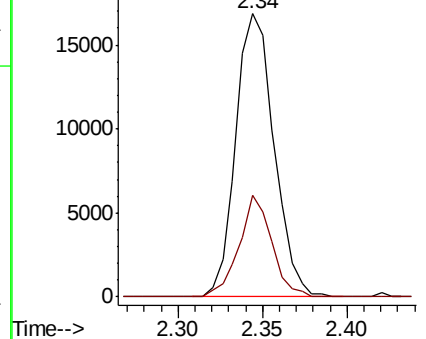
62 100

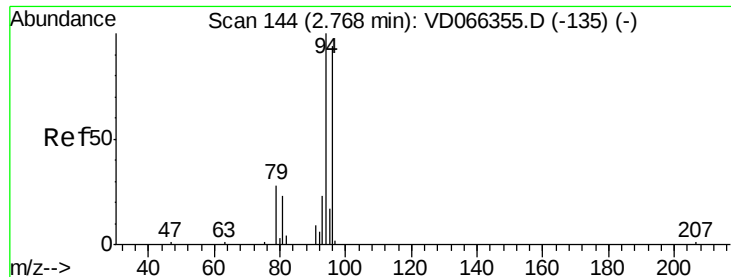
64 36.0 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.648 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

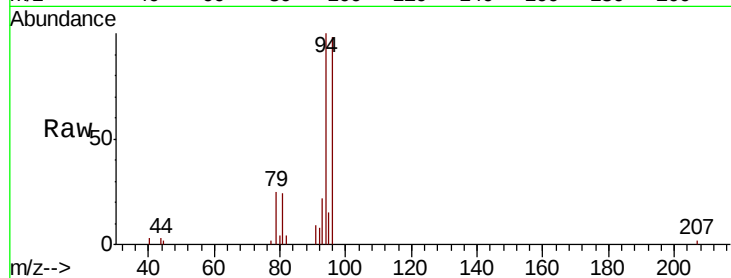
VD0825SBS01

Tot Ion: 94 Resp: 20368

Ion Ratio Lower Upper

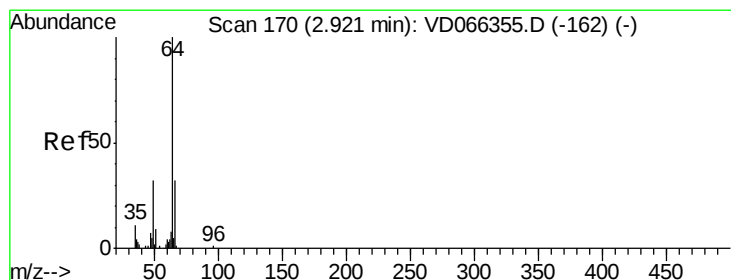
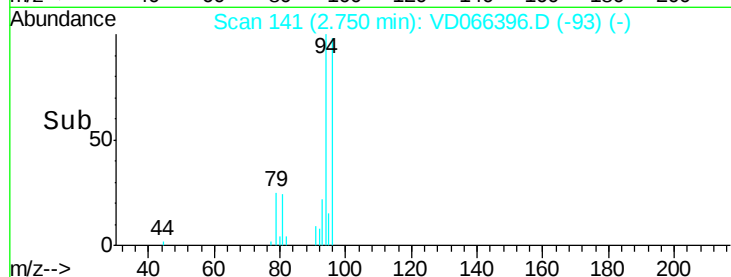
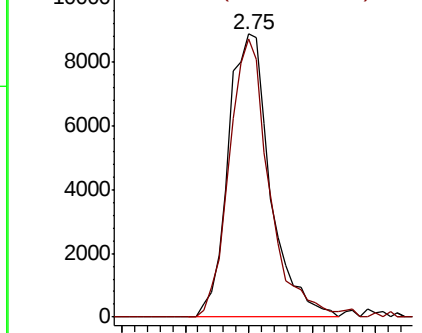
94 100

96 98.4 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.974 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066396.D

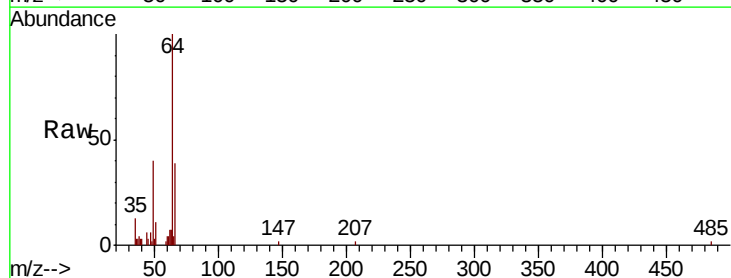
Acq: 25 Aug 2020 12:24

Tgt Ion: 64 Resp: 16839

Ion Ratio Lower Upper

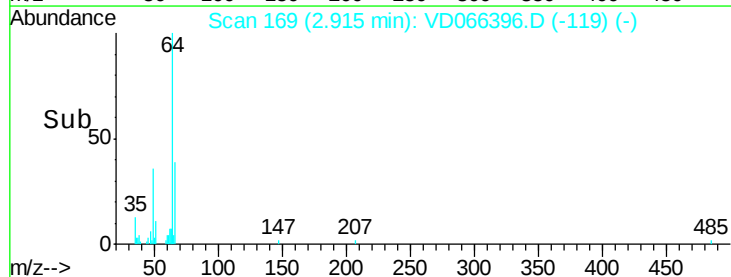
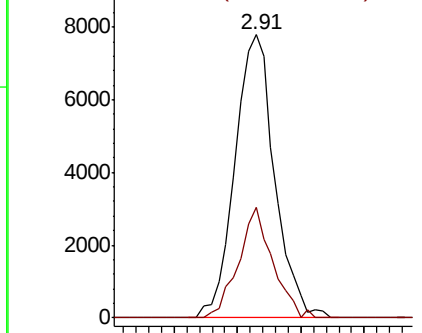
64 100

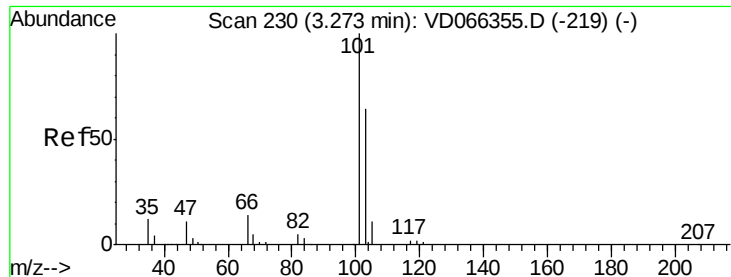
66 39.2 25.9 38.9#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 19.719 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

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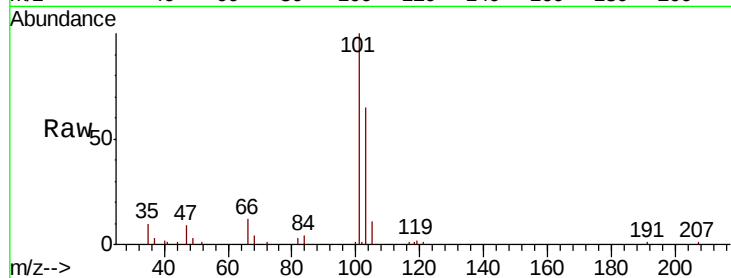
VD0825SBS01

Tot Ion:101 Resp: 74316

Ion Ratio Lower Upper

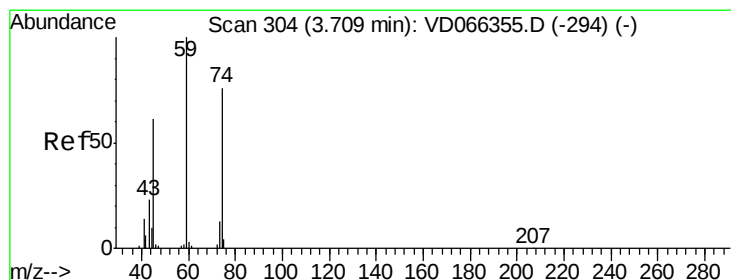
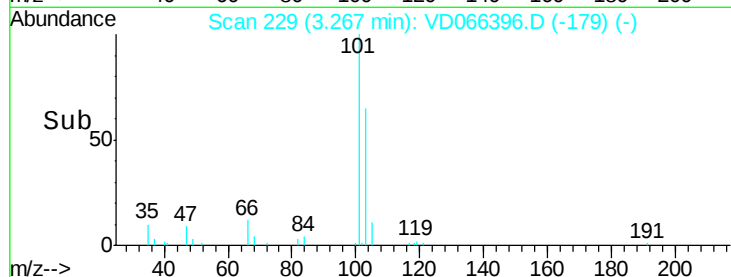
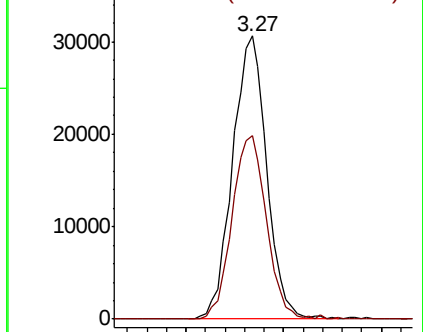
101 100

103 64.9 51.4 77.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.615 ug/l

RT: 3.71 min Scan# 304

Delta R.T. -0.00 min

Lab File: VD066396.D

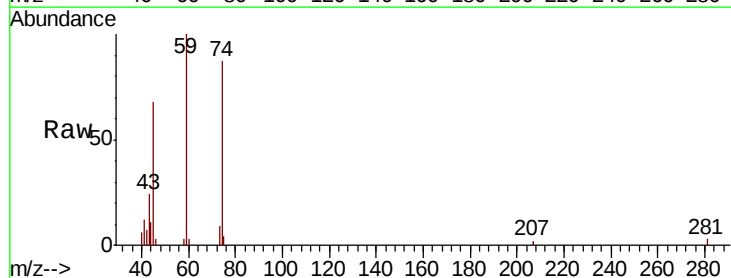
Acq: 25 Aug 2020 12:24

Tgt Ion: 74 Resp: 16563

Ion Ratio Lower Upper

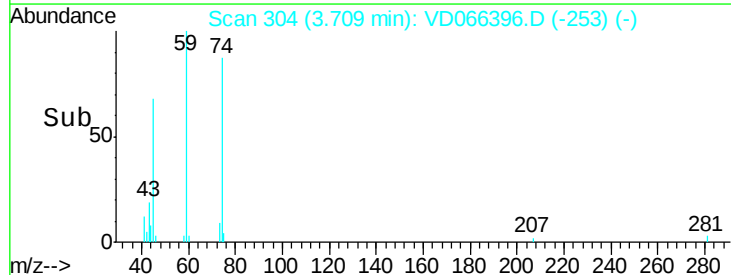
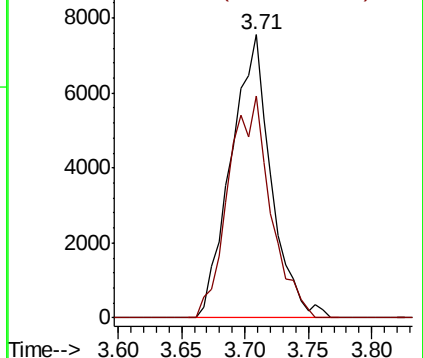
74 100

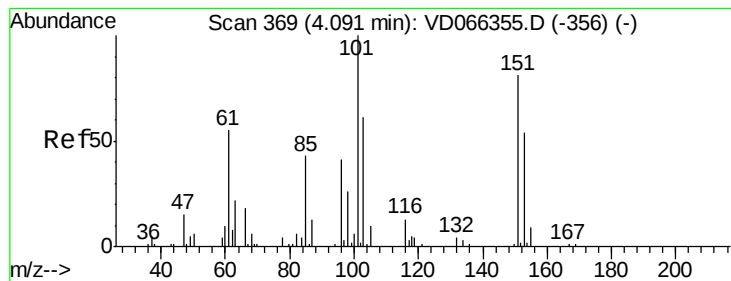
45 82.1 42.8 128.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.760 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD0825SBS01

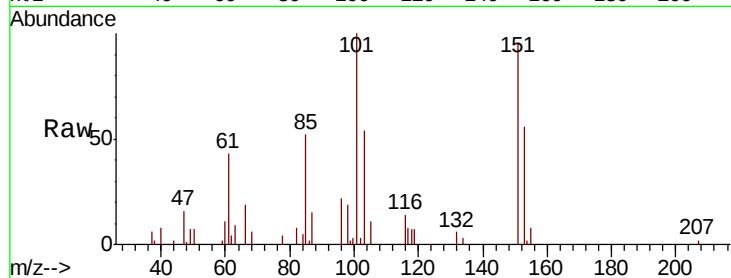
Tot Ion:101 Resp: 34892

Ion Ratio Lower Upper

101 100

85 46.9 36.4 54.6

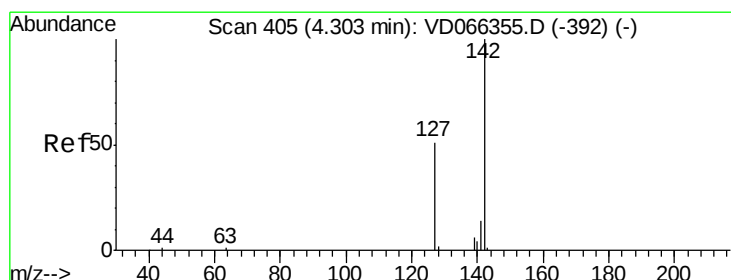
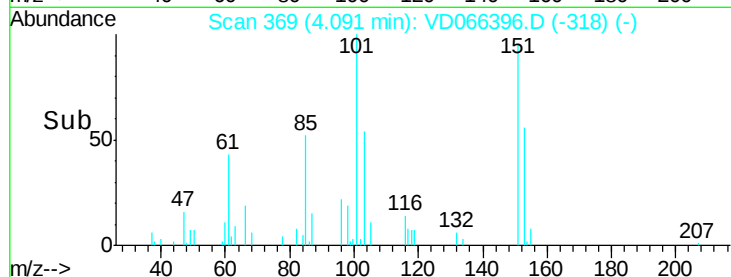
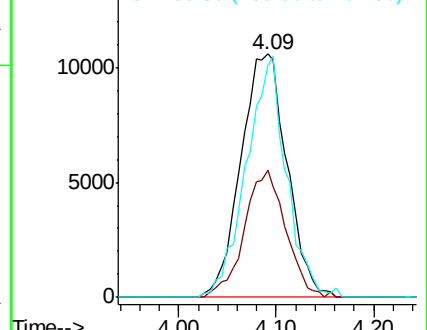
151 86.2 70.5 105.7



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: 14.004 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

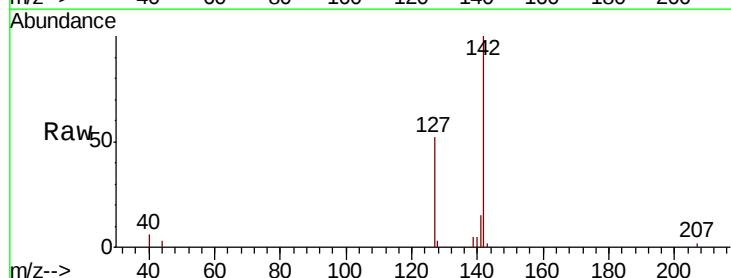
Tgt Ion:142 Resp: 29707

Ion Ratio Lower Upper

142 100

127 53.9 41.8 62.8

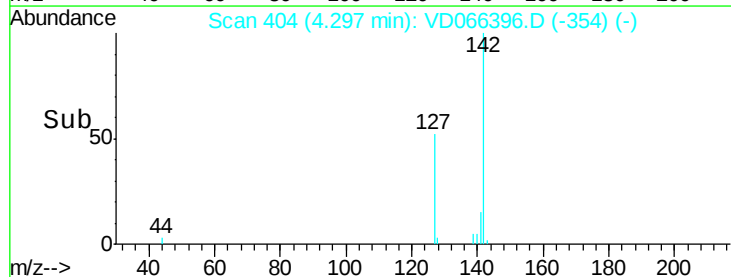
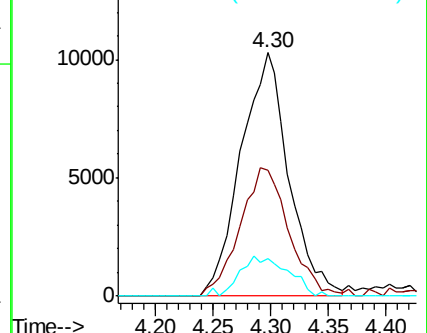
141 16.6 11.8 17.6

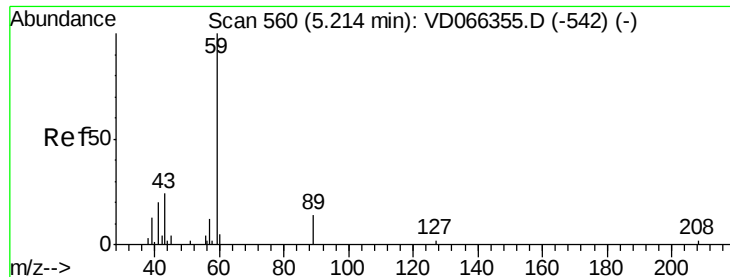


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

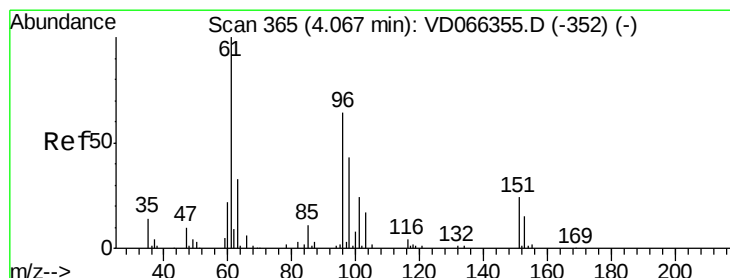
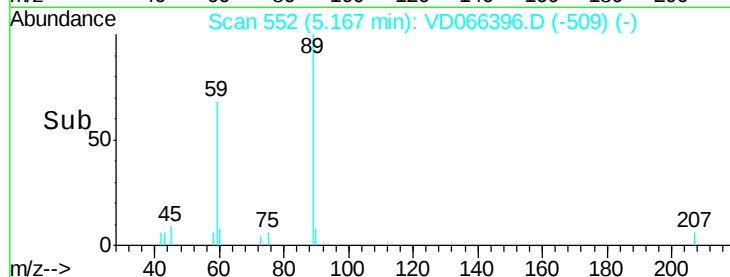
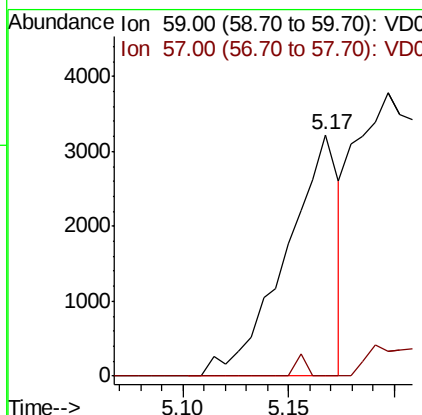
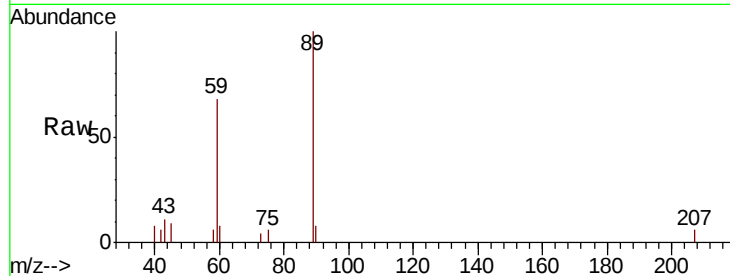




#11
Tert butyl alcohol
Concen: 3.362 ug/l
RT: 5.17 min Scan# 552
Delta R.T. -0.05 min
Lab File: VD066396.D
Acq: 25 Aug 2020 12:24

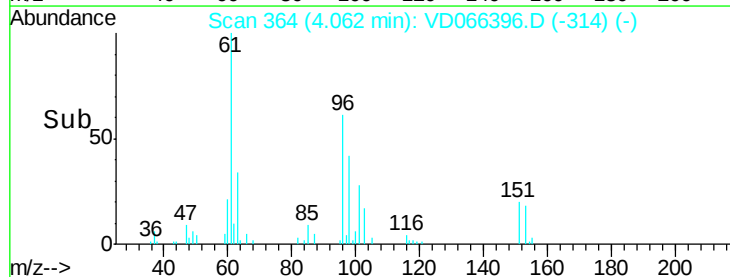
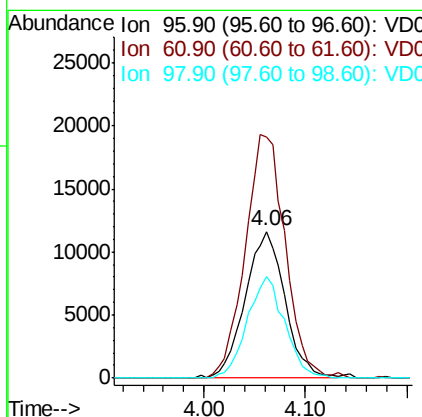
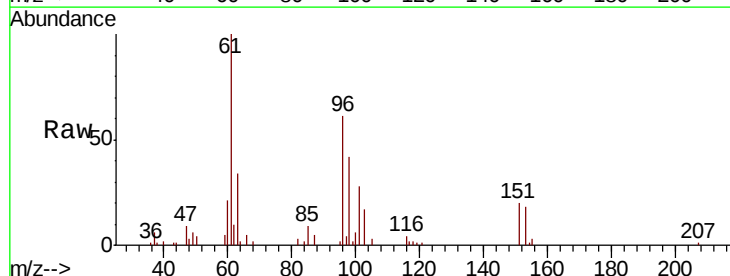
Instrument :
MSVOA_D
ClientSampleId :
VD0825SBS01

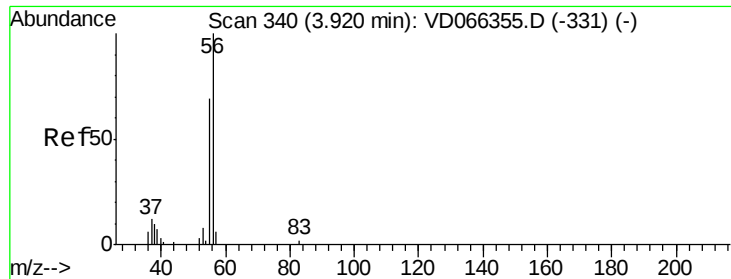
Tot Ion: 59 Resp: 5619
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#12
1,1-Dichloroethene
Concen: 18.139 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD066396.D
Acq: 25 Aug 2020 12:24

Tgt Ion: 96 Resp: 31668
Ion Ratio Lower Upper
96 100
61 164.7 124.3 186.5
98 69.3 53.2 79.8





#13

Acrolein

Concen: 87.092 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

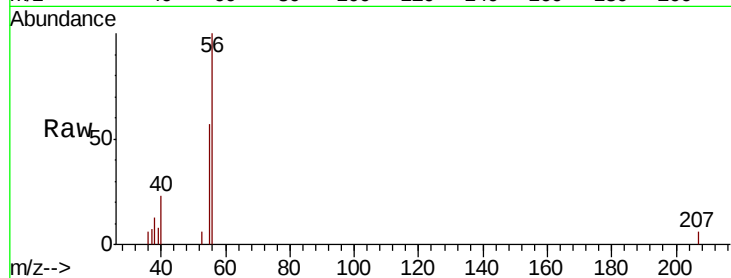
VD0825SBS01

Tot Ion: 56 Resp: 8122

Ion Ratio Lower Upper

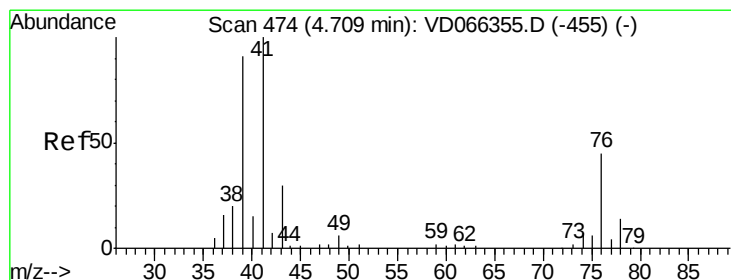
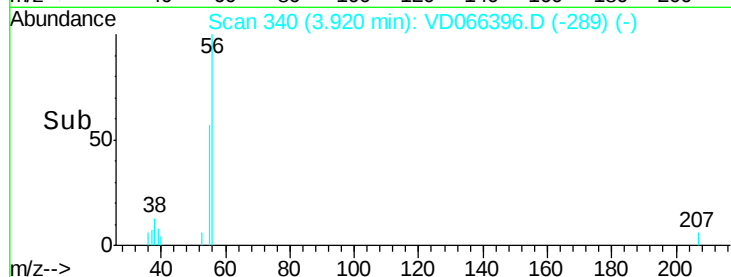
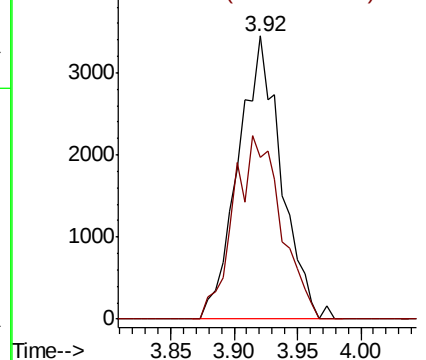
56 100

55 71.6 55.5 83.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.209 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

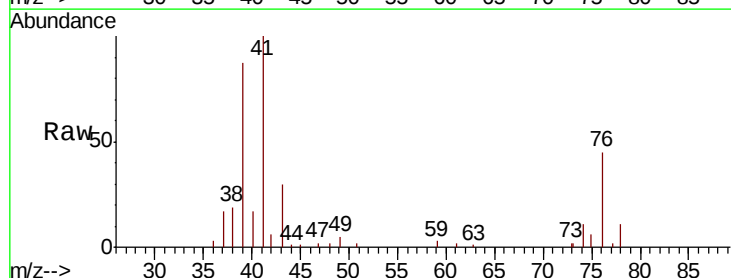
Tgt Ion: 41 Resp: 42432

Ion Ratio Lower Upper

41 100

39 94.8 72.8 109.2

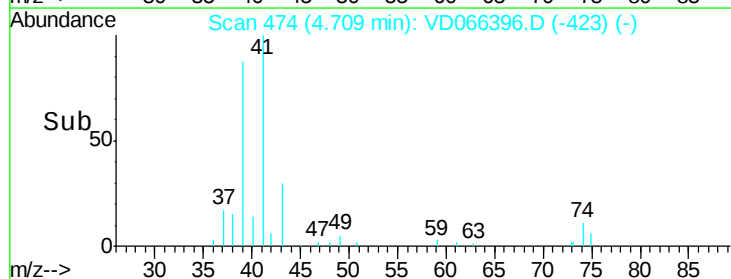
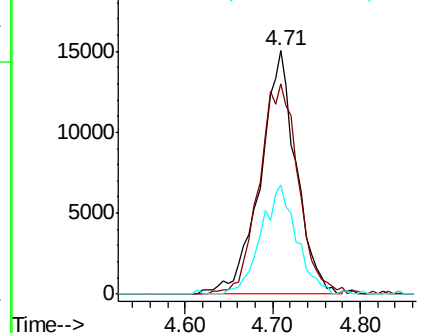
76 44.3 34.0 51.0

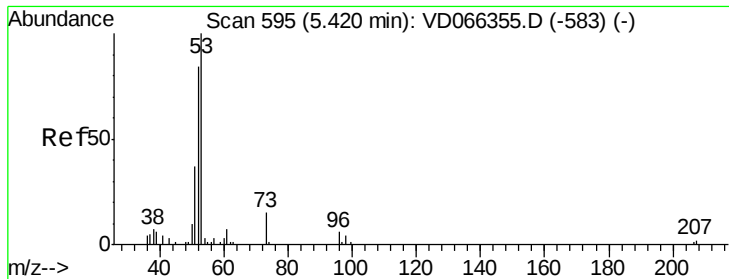


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 100.091 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD0825SBS01

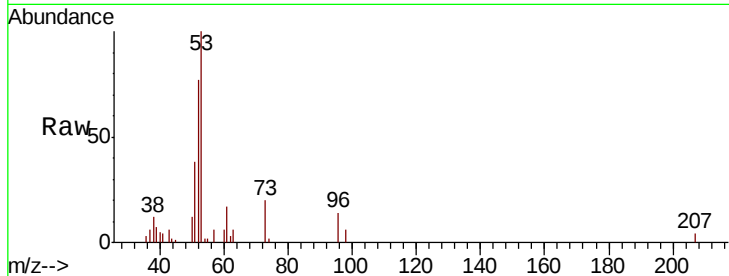
Tot Ion: 53 Resp: 33911

Ion Ratio Lower Upper

53 100

52 81.1 68.1 102.1

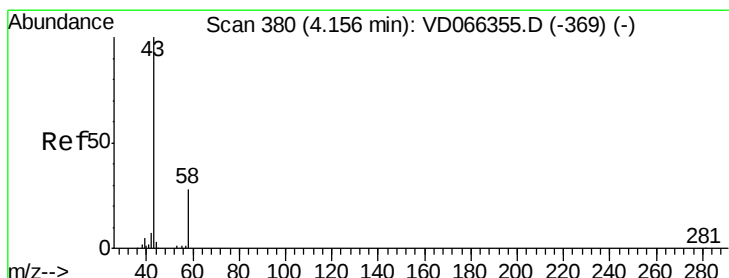
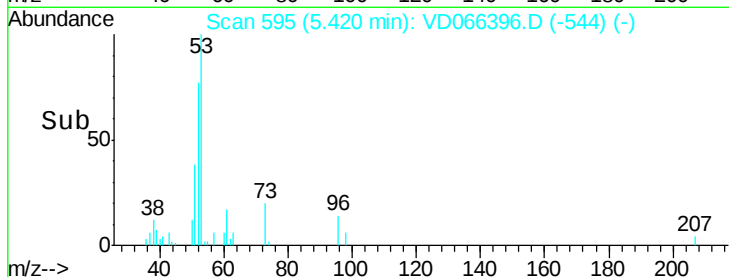
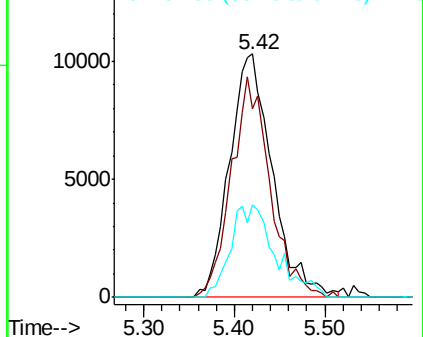
51 16.8 33.8 50.6#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 96.280 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066396.D

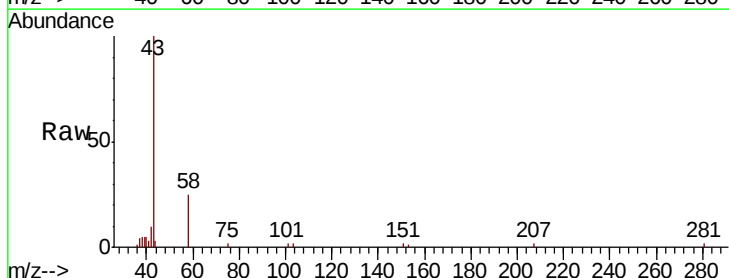
Acq: 25 Aug 2020 12:24

Tgt Ion: 43 Resp: 36453

Ion Ratio Lower Upper

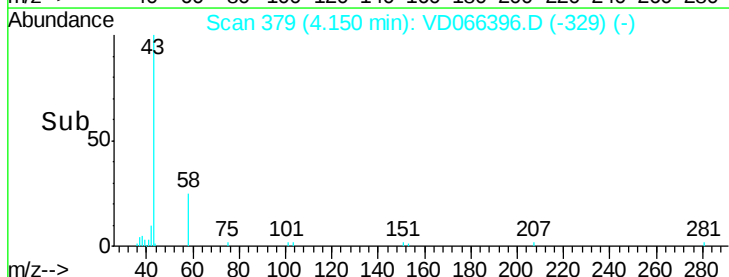
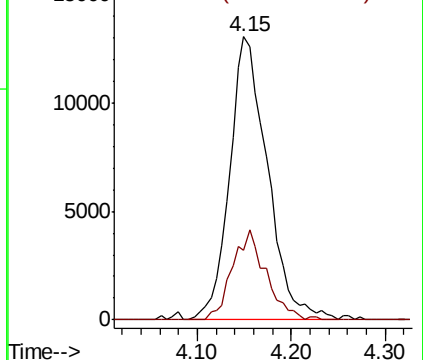
43 100

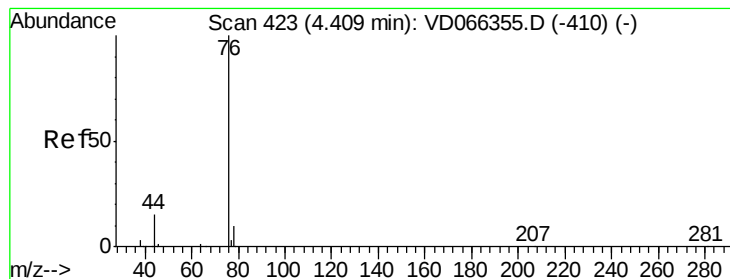
58 24.6 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 17.798 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

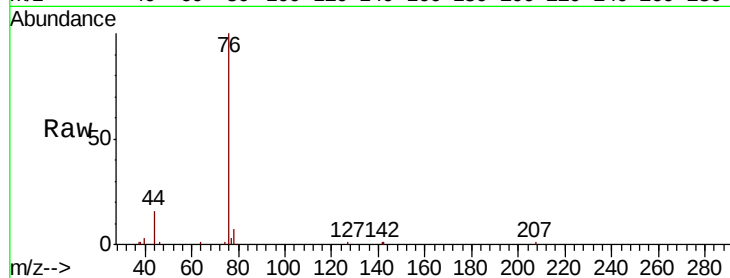
VD0825SBS01

Tot Ion: 76 Resp: 94171

Ion Ratio Lower Upper

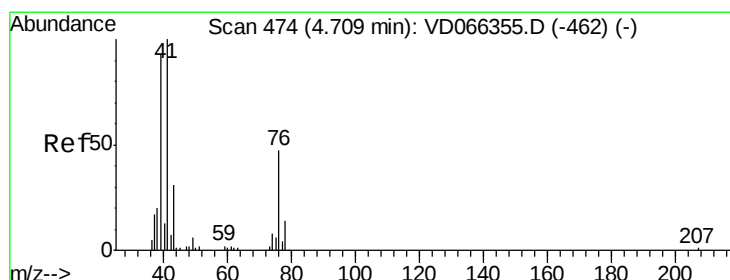
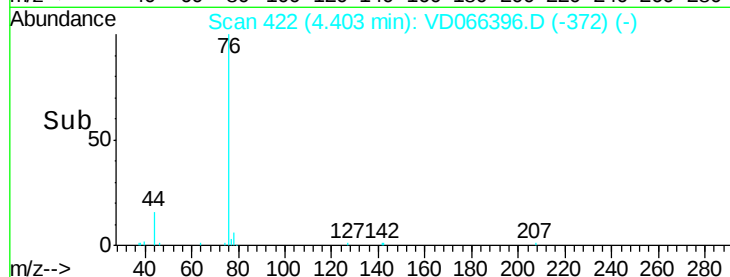
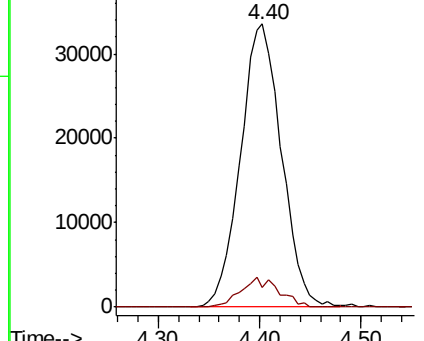
76 100

78 7.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 20.498 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066396.D

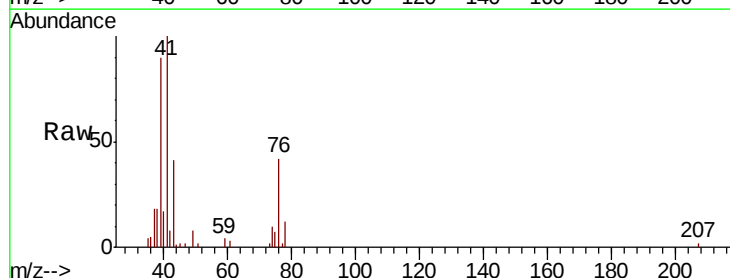
Acq: 25 Aug 2020 12:24

Tgt Ion: 43 Resp: 14566

Ion Ratio Lower Upper

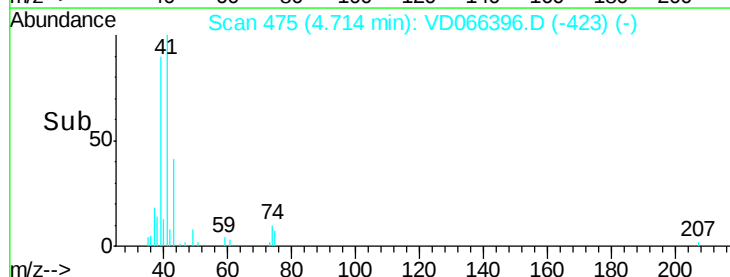
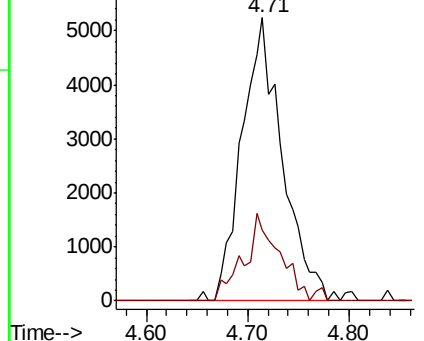
43 100

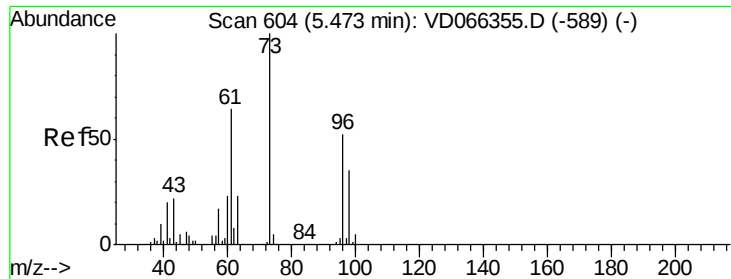
74 27.0 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

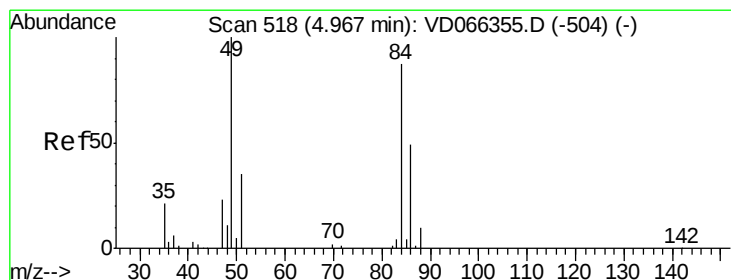
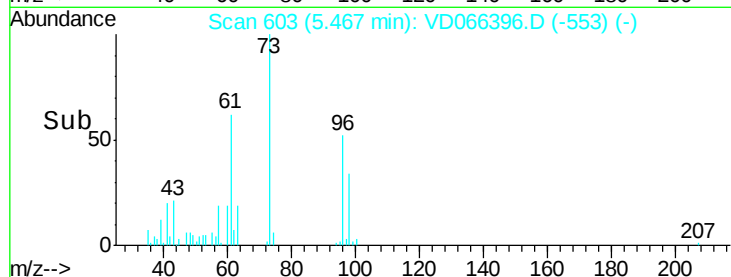
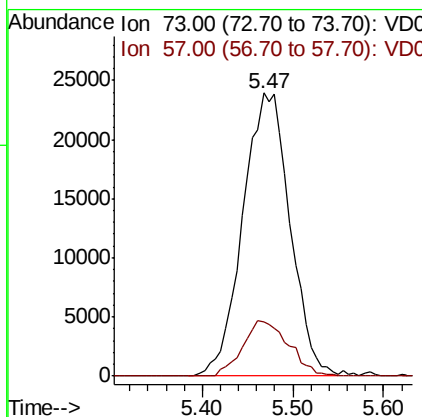
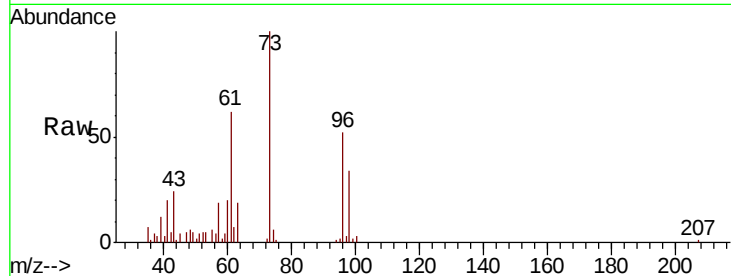




#19
Methyl tert-butyl Ether
Concen: 20.616 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD066396.D
Acq: 25 Aug 2020 12:24

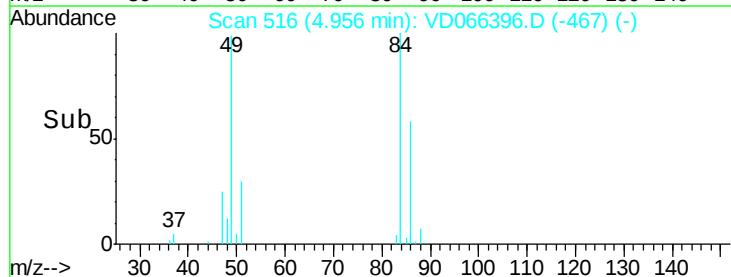
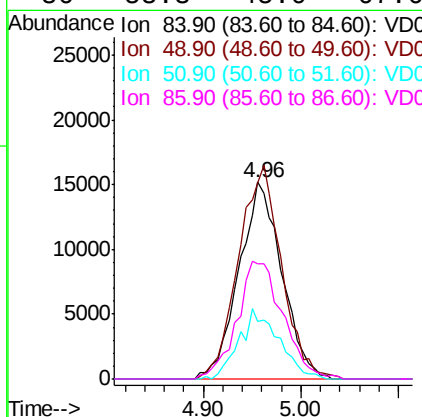
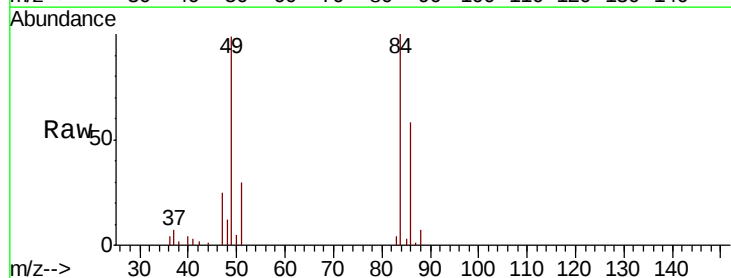
Instrument :
MSVOA_D
ClientSampleID :
VD0825SBS01

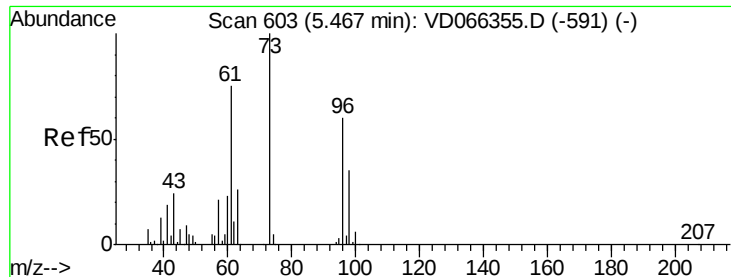
Tot Ion: 73 Resp: 86667
Ion Ratio Lower Upper
73 100
57 19.1 13.8 20.6



#20
Methylene Chloride
Concen: 19.177 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD066396.D
Acq: 25 Aug 2020 12:24

Tgt Ion: 84 Resp: 46697
Ion Ratio Lower Upper
84 100
49 99.5 92.5 138.7
51 29.6 32.5 48.7#
86 58.3 45.0 67.6





#21

trans-1,2-Dichloroethene

Concen: 18.175 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD0825SBS01

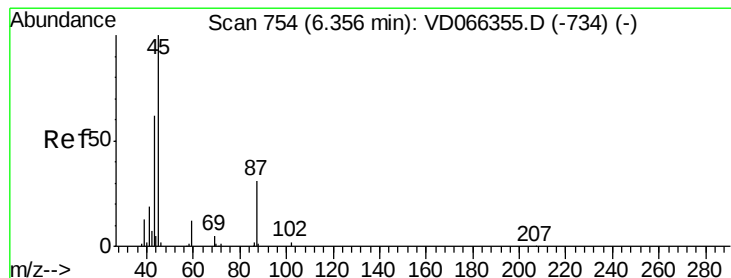
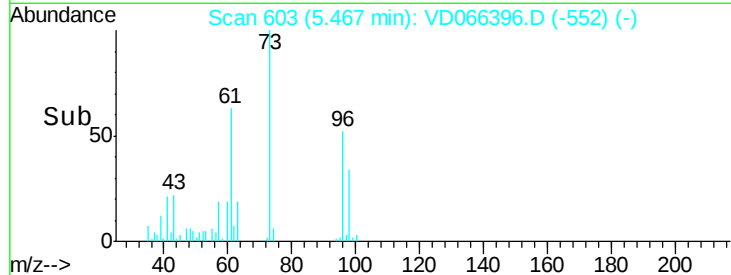
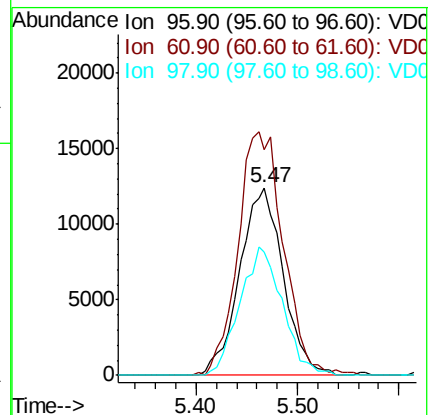
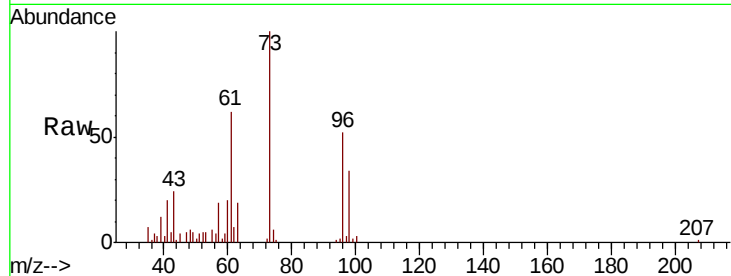
Tot Ion: 96 Resp: 36938

Ion Ratio Lower Upper

96 100

61 120.3 101.1 151.7

98 65.6 47.0 70.6



#22

Diisopropyl ether

Concen: 19.072 ug/l

RT: 6.35 min Scan# 753

Delta R.T. -0.01 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

Tgt Ion: 45 Resp: 86049

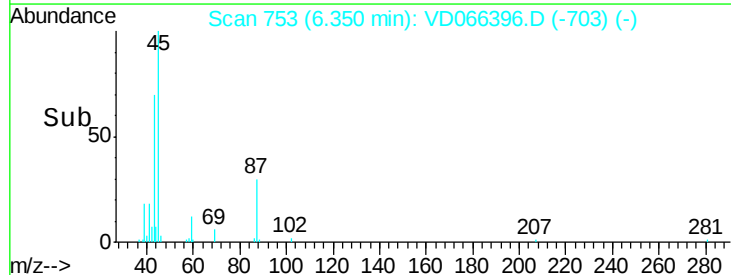
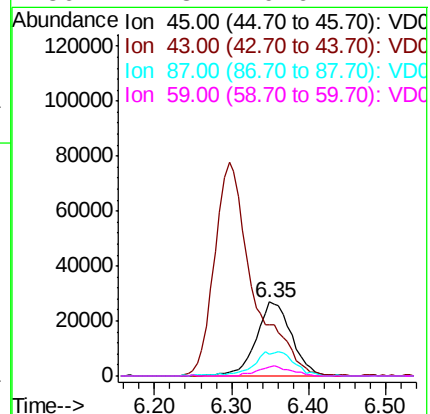
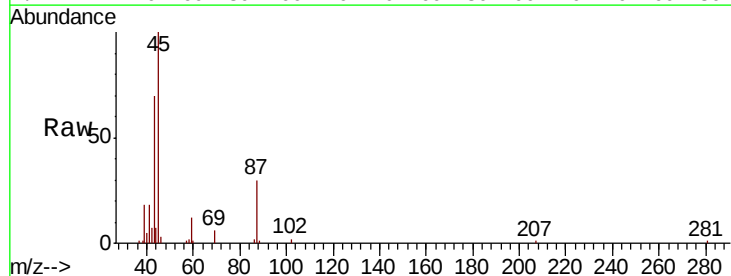
Ion Ratio Lower Upper

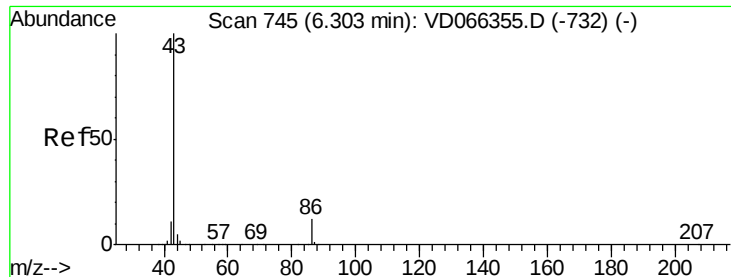
45 100

43 68.7 49.8 74.8

87 30.2 25.0 37.6

59 12.3 9.6 14.4





#23

Vinyl Acetate

Concen: 96.622 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

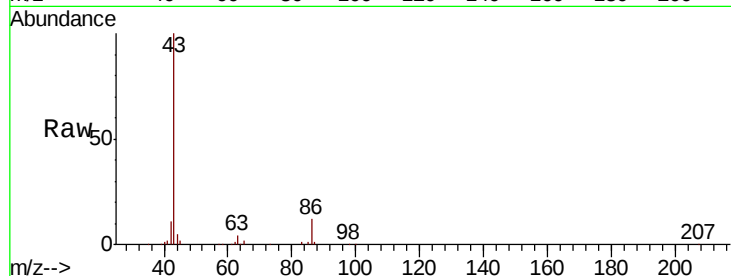
VD0825SBS01

Tot Ion: 43 Resp: 269873

Ion Ratio Lower Upper

43 100

86 11.7 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

80000

60000

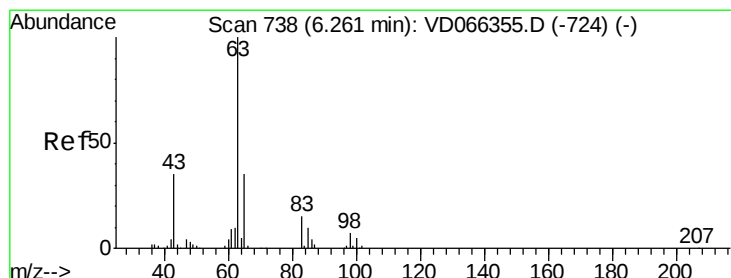
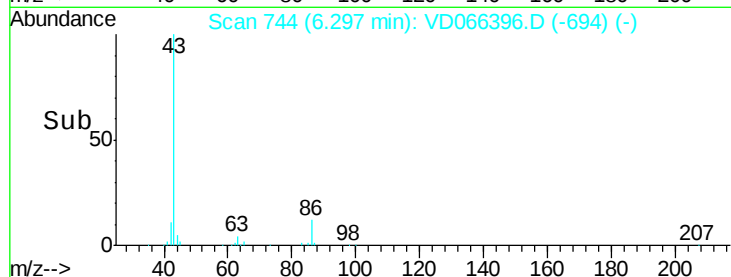
40000

20000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 19.299 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

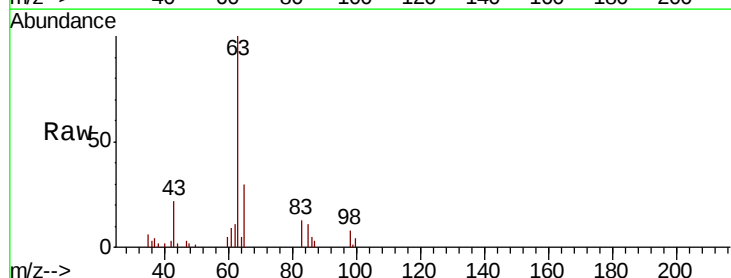
Tgt Ion: 63 Resp: 61533

Ion Ratio Lower Upper

63 100

98 7.7 3.5 10.6

100 4.1 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

25000

20000

15000

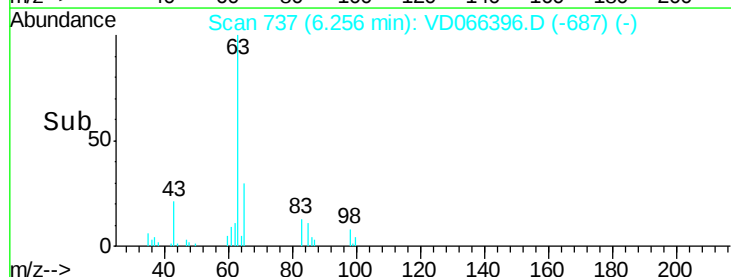
10000

5000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 98.345 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

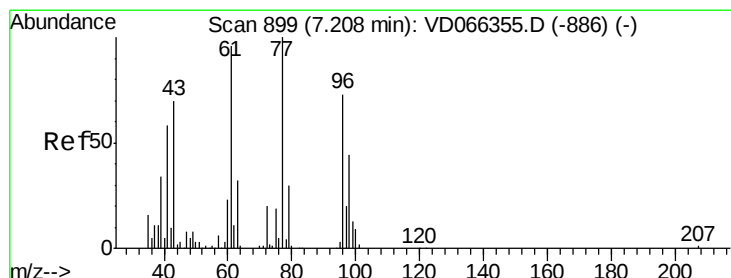
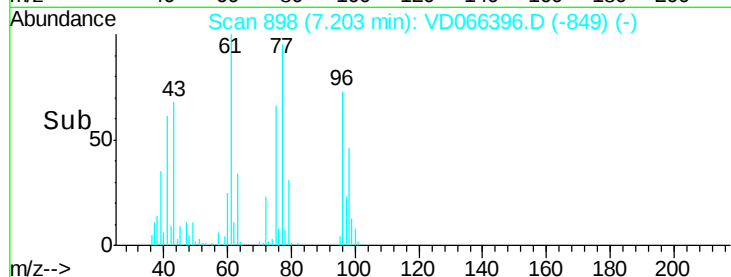
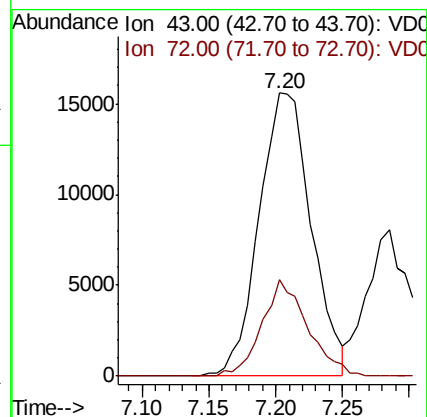
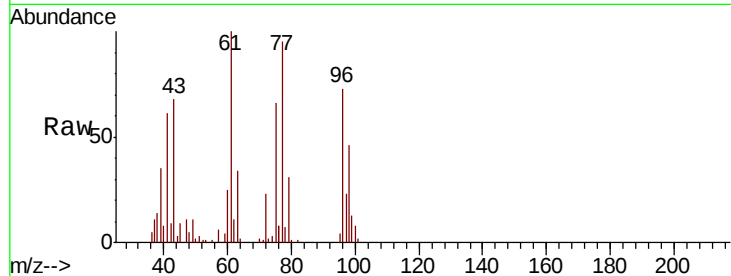
VD0825SBS01

Tot Ion: 43 Resp: 42271

Ion Ratio Lower Upper

43 100

72 34.3 22.5 33.7#



#26

2,2-Dichloropropane

Concen: 19.615 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066396.D

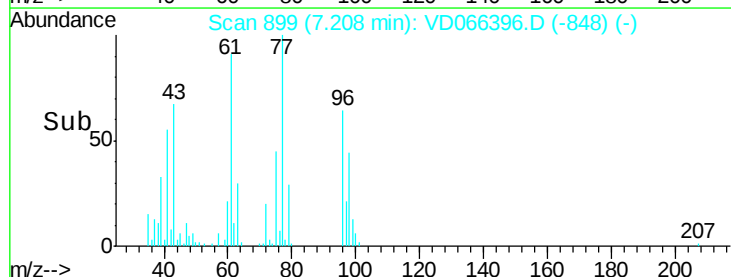
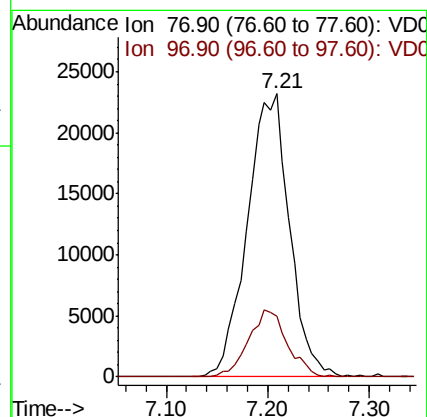
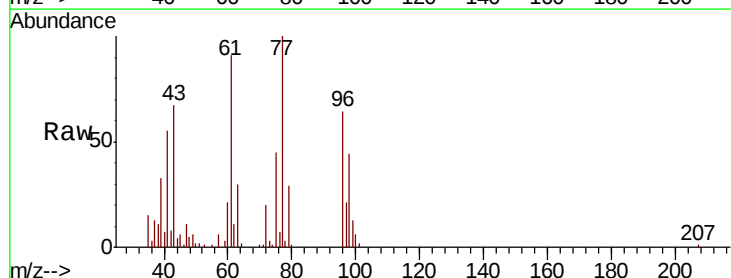
Acq: 25 Aug 2020 12:24

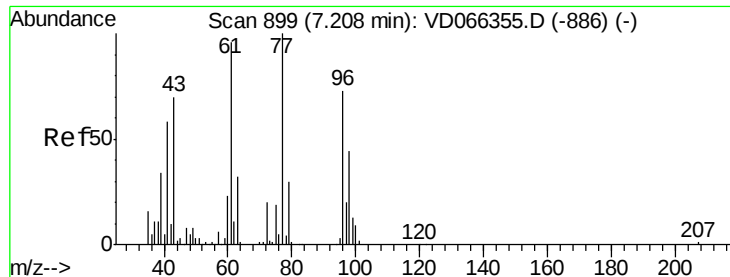
Tgt Ion: 77 Resp: 67031

Ion Ratio Lower Upper

77 100

97 21.7 10.7 31.9



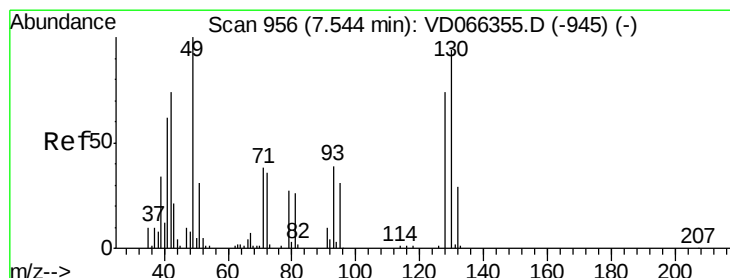
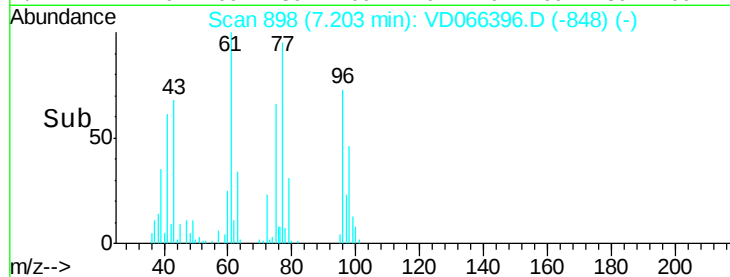
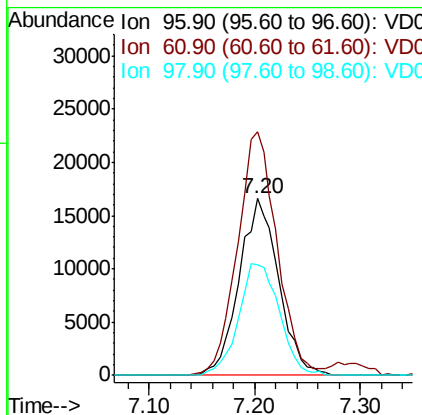
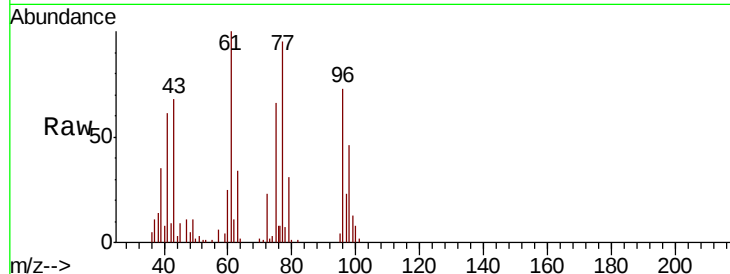


#27

cis-1,2-Dichloroethene
 Concen: 19.718 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD066396.D
 Acq: 25 Aug 2020 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0825SBS01

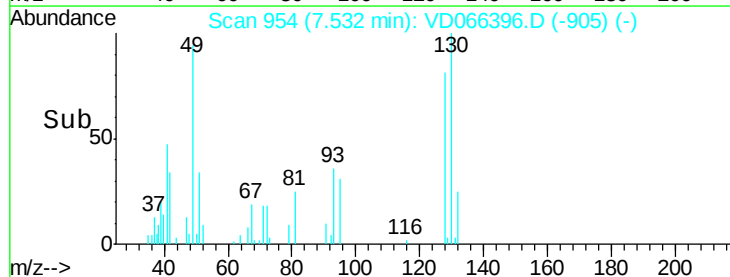
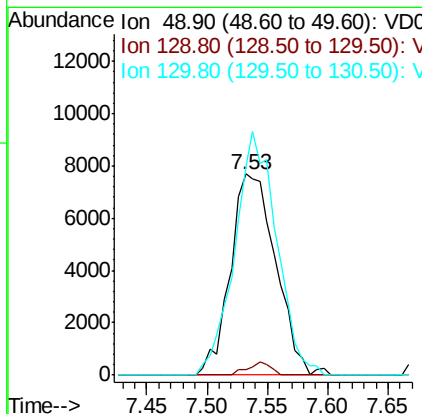
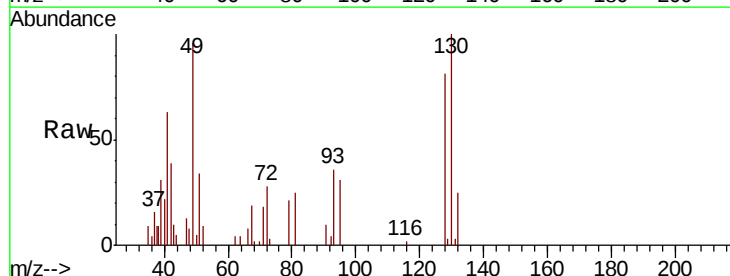
Tot Ion	96	Resp	42939
Ion	Ratio	Lower	Upper
96	100		
61	138.2	0.0	281.4
98	65.3	0.0	132.2

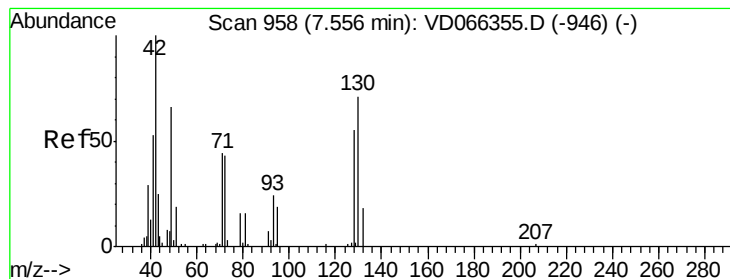


#28

Bromochloromethane
 Concen: 18.279 ug/l
 RT: 7.53 min Scan# 954
 Delta R.T. -0.01 min
 Lab File: VD066396.D
 Acq: 25 Aug 2020 12:24

Tgt Ion	49	Resp	20075
Ion	Ratio	Lower	Upper
49	100		
129	3.3	0.0	3.0#
130	112.6	82.6	124.0





#29

Tetrahydrofuran

Concen: 100.580 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.00 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD0825SBS01

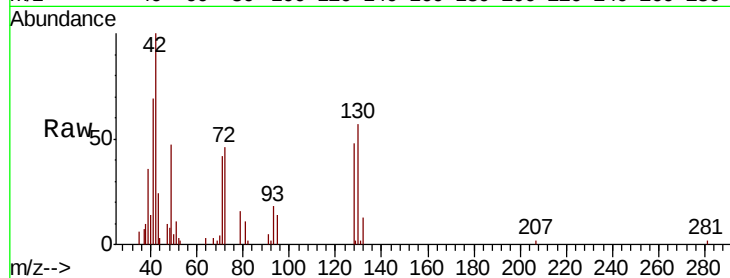
Tot Ion: 42 Resp: 24555

Ion Ratio Lower Upper

42 100

72 53.6 41.0 61.4

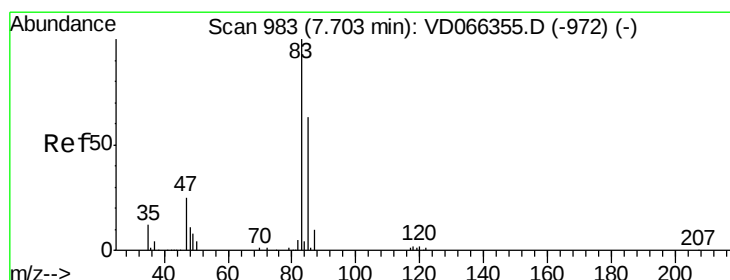
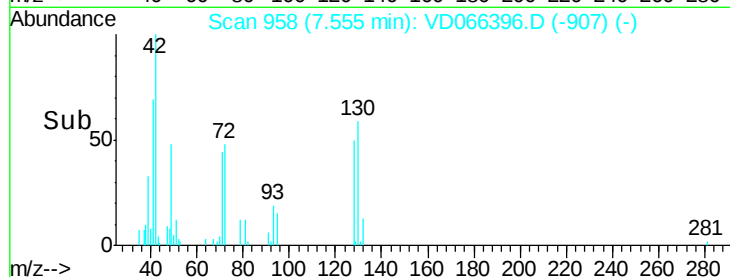
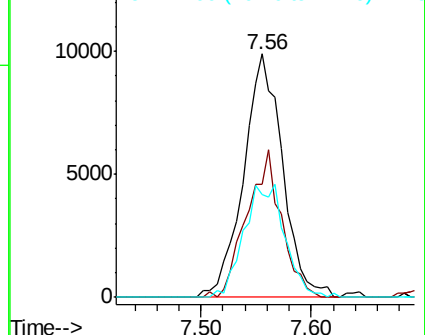
71 48.9 37.2 55.8



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 19.560 ug/l

RT: 7.70 min Scan# 983

Delta R.T. -0.00 min

Lab File: VD066396.D

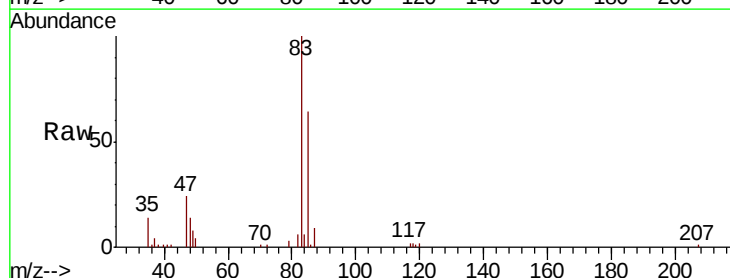
Acq: 25 Aug 2020 12:24

Tgt Ion: 83 Resp: 72154

Ion Ratio Lower Upper

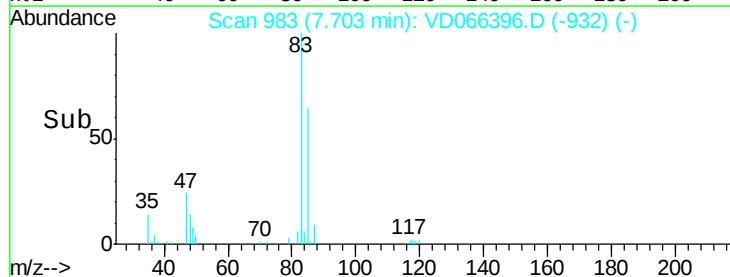
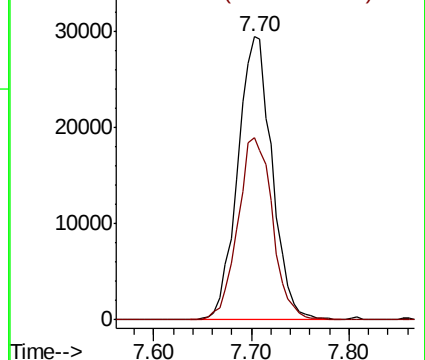
83 100

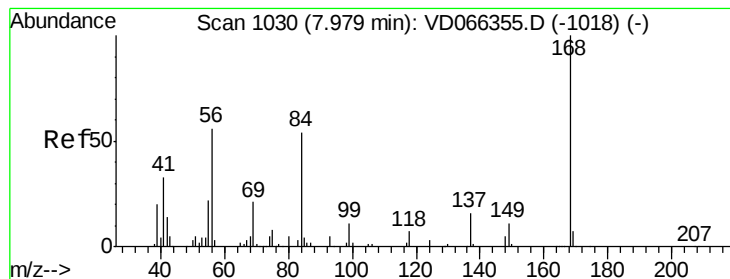
85 64.2 50.3 75.5



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 17.403 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD0825SBS01

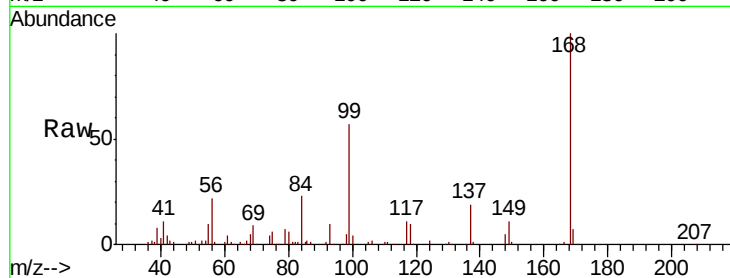
Tot Ion: 56 Resp: 50746

Ion Ratio Lower Upper

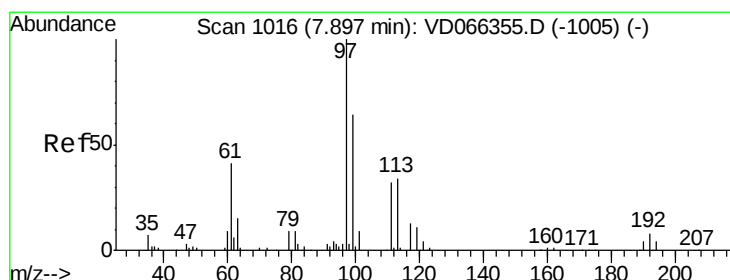
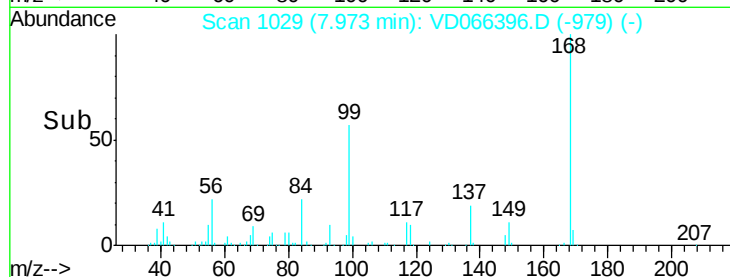
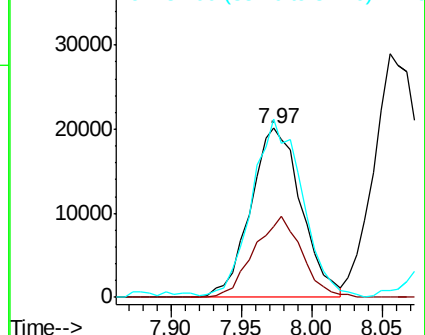
56 100

69 41.7 29.6 44.4

84 102.9 76.6 115.0



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: 19.591 ug/l

RT: 7.89 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

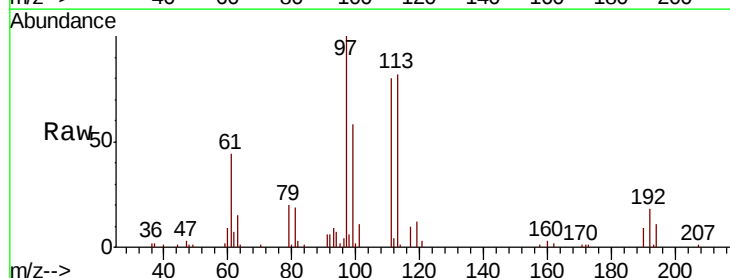
Tgt Ion: 97 Resp: 73965

Ion Ratio Lower Upper

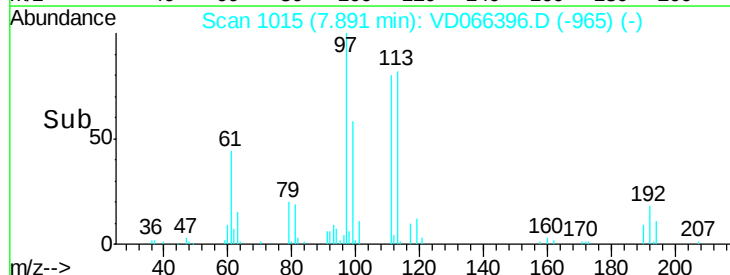
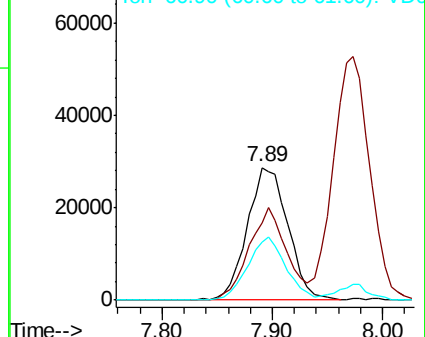
97 100

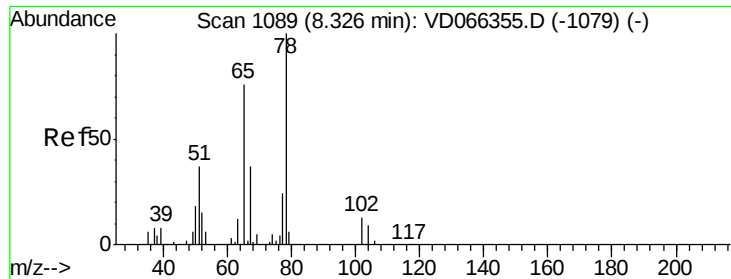
99 64.5 51.5 77.3

61 45.0 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

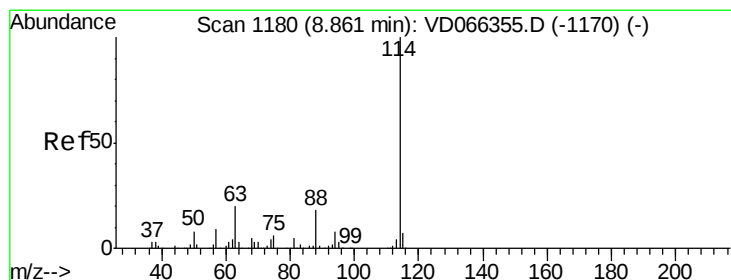
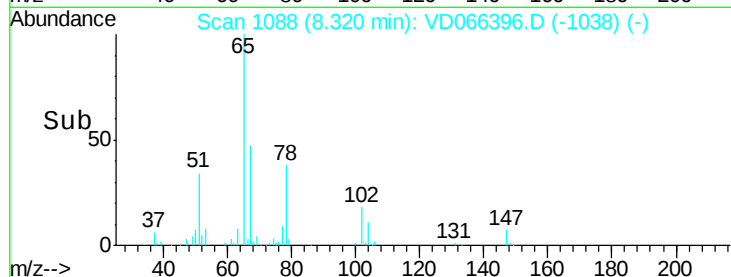
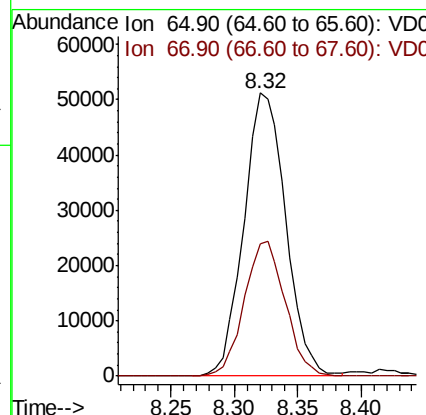
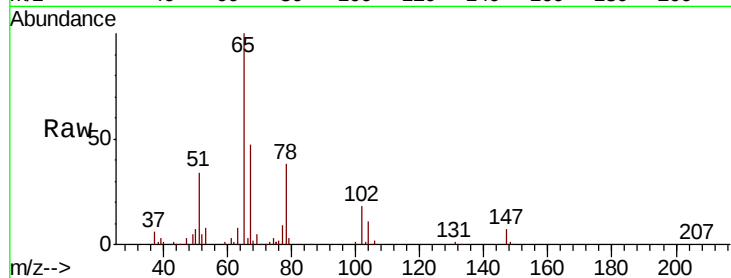




#33
 1,2-Dichloroethane-d4
 Concen: 56.203 ug/l
 RT: 8.32 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: VD066396.D
 Acq: 25 Aug 2020 12:24

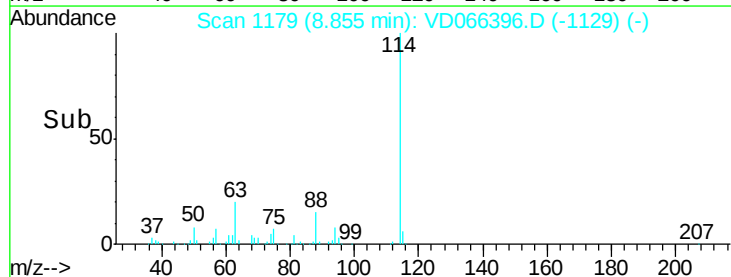
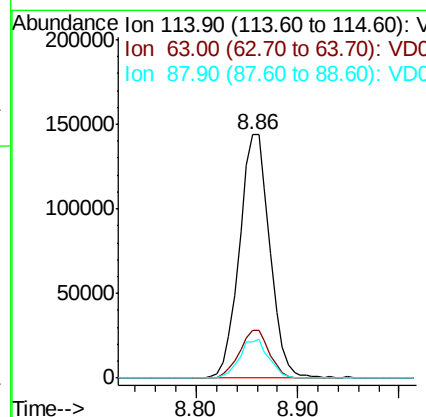
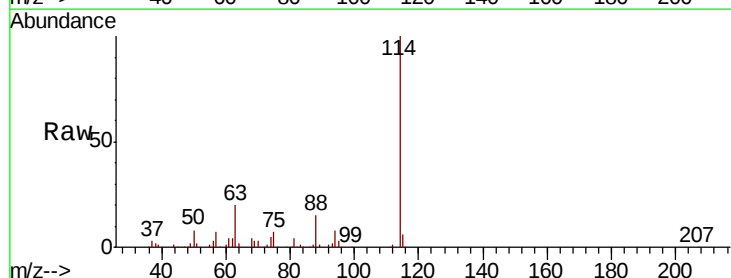
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0825SBS01

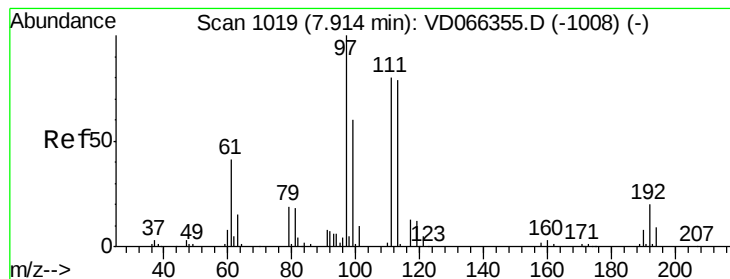
Tot Ion: 65 Resp: 118032
 Ion Ratio Lower Upper
 65 100
 67 46.3 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VD066396.D
 Acq: 25 Aug 2020 12:24

Tgt Ion: 114 Resp: 299404
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.8
 88 14.9 0.0 35.4





#35

Dibromofluoromethane

Concen: 53.126 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.01 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD0825SBS01

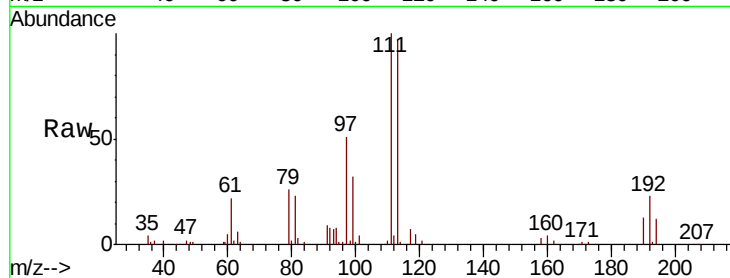
Tot Ion:113 Resp: 99462

Ion Ratio Lower Upper

113 100

111 103.3 80.3 120.5

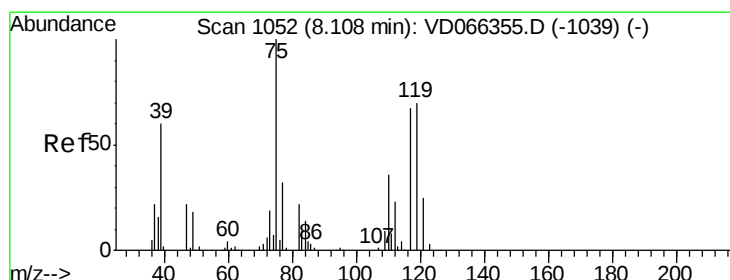
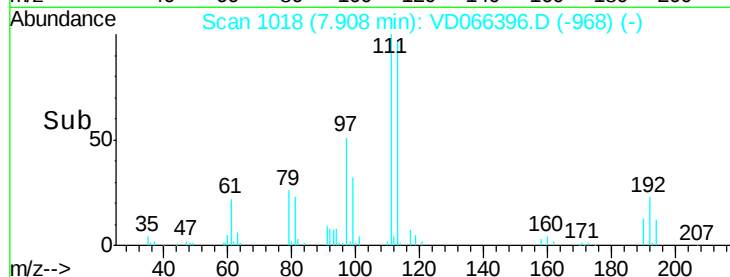
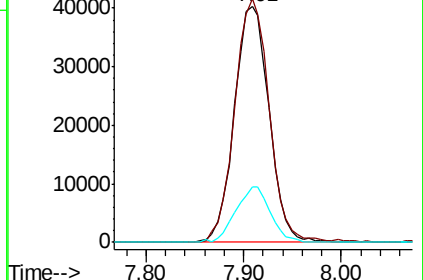
192 23.5 19.0 28.6



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: 18.843 ug/l

RT: 8.10 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

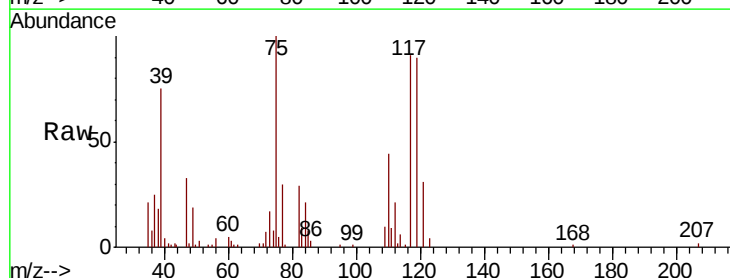
Tgt Ion: 75 Resp: 51476

Ion Ratio Lower Upper

75 100

110 37.5 18.7 56.1

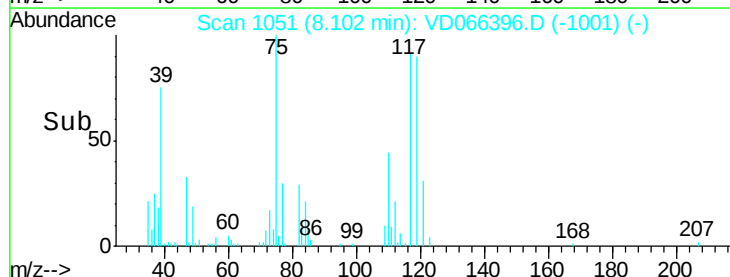
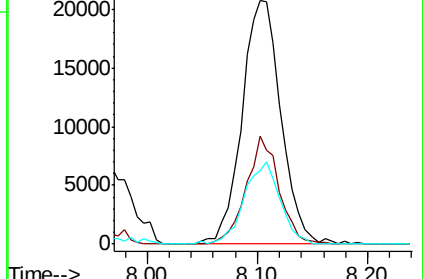
77 31.0 25.2 37.8

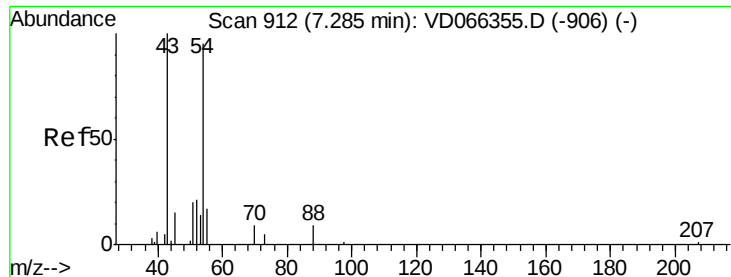


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

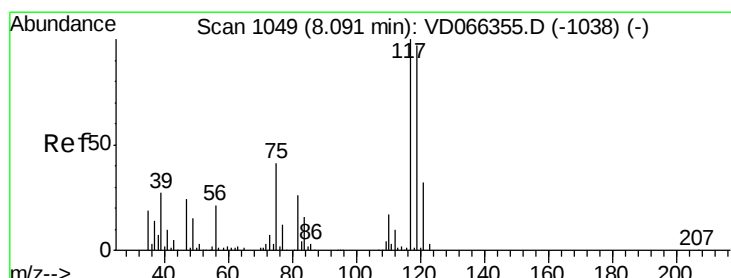
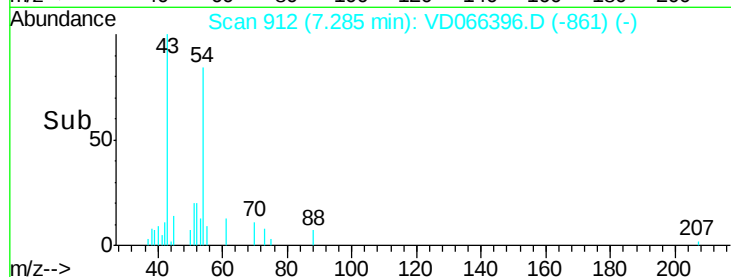
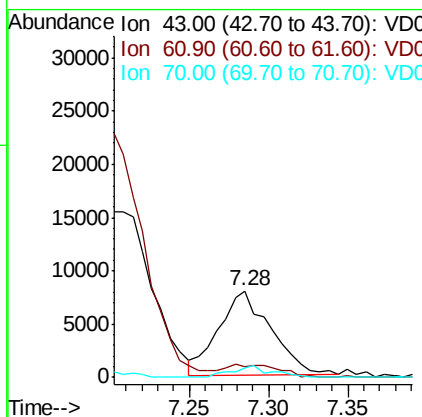
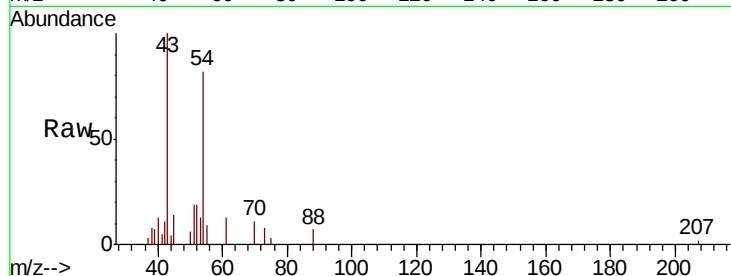




#37
Ethyl Acetate
Concen: 19.478 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD066396.D
Acq: 25 Aug 2020 12:24

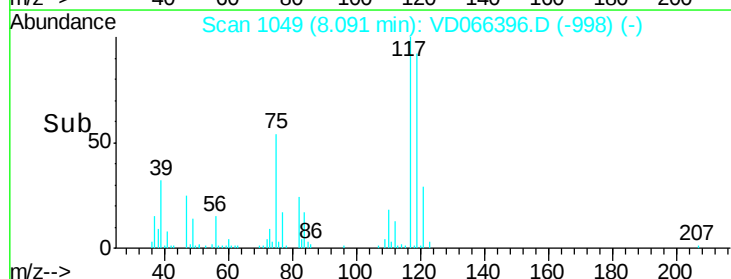
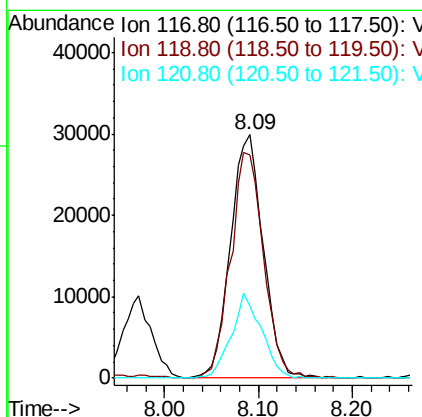
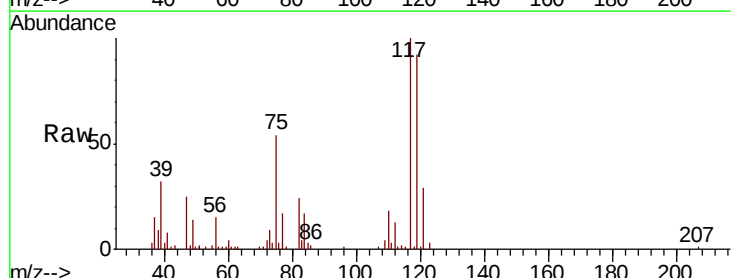
Instrument :
MSVOA_D
ClientSampleId :
VD0825SBS01

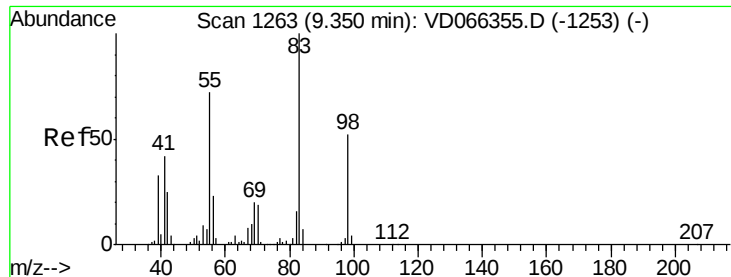
Tot Ion: 43 Resp: 18098
Ion Ratio Lower Upper
43 100
61 16.2 13.3 19.9
70 10.5 3.5 5.3#



#38
Carbon Tetrachloride
Concen: 20.295 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066396.D
Acq: 25 Aug 2020 12:24

Tgt Ion: 117 Resp: 72234
Ion Ratio Lower Upper
117 100
119 91.7 77.2 115.8
121 29.4 25.8 38.8

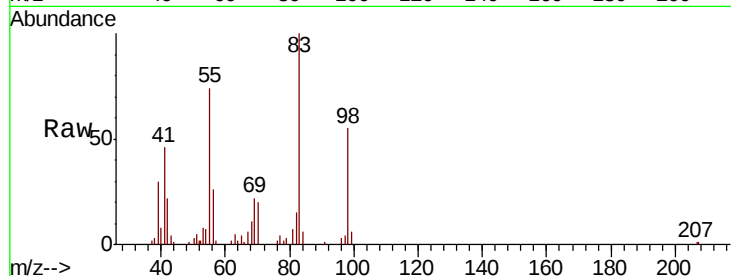




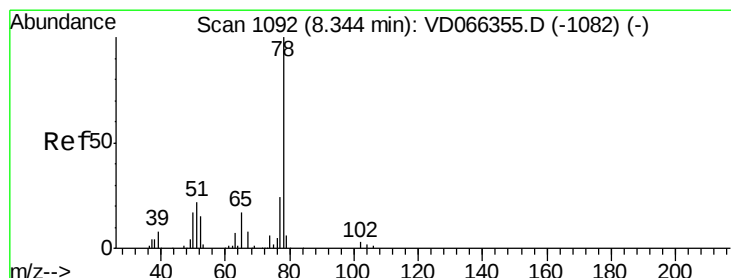
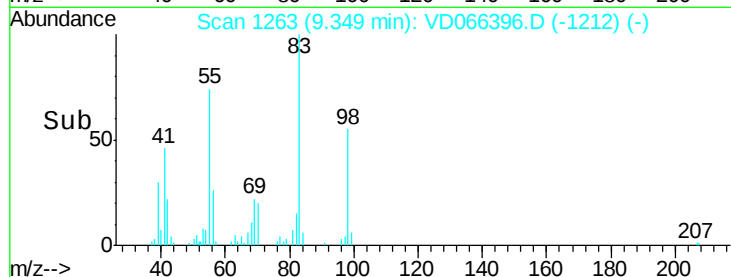
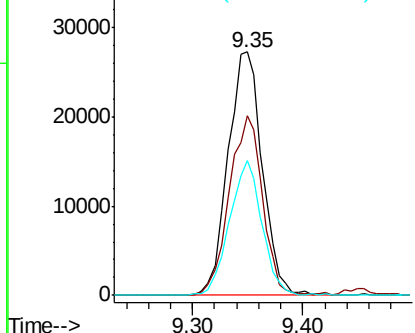
#39
Methvlcvclohexane
Concen: 18.490 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066396.D
Acq: 25 Aug 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD0825SBS01

Tot Ion: 83 Resp: 59504
Ion Ratio Lower Upper
83 100
55 74.0 58.0 87.0
98 55.5 41.9 62.9

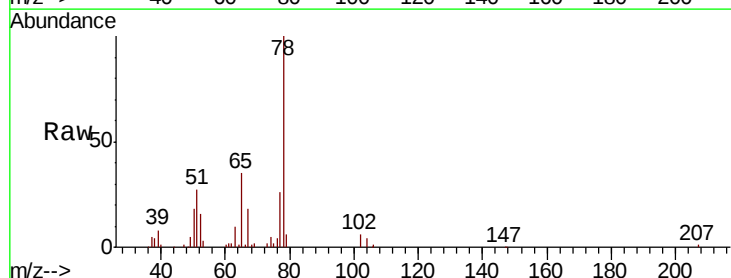


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

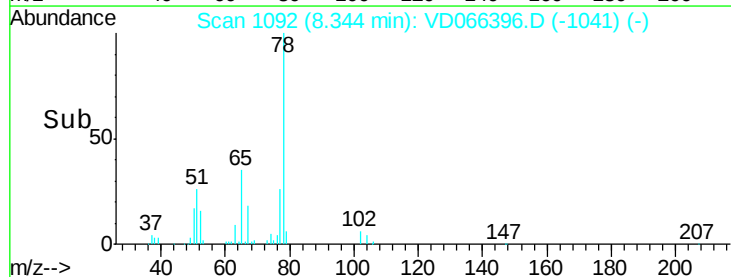
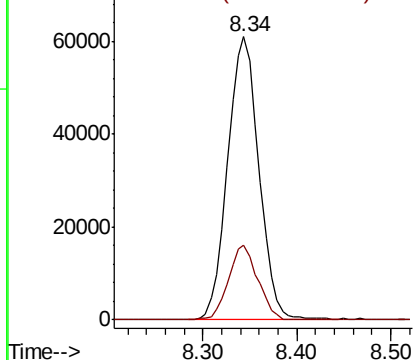


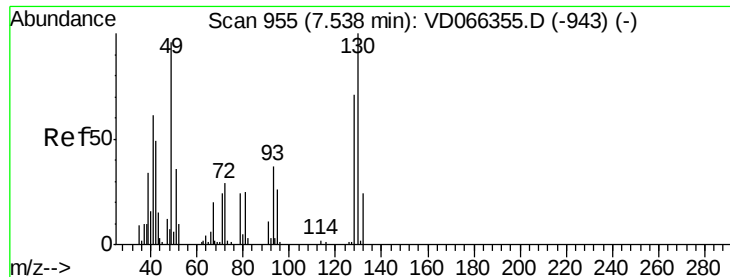
#40
Benzene
Concen: 19.526 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VD066396.D
Acq: 25 Aug 2020 12:24

Tgt Ion: 78 Resp: 140331
Ion Ratio Lower Upper
78 100
77 26.2 18.8 28.2



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

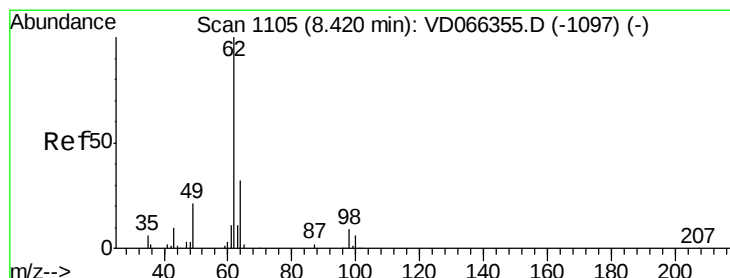
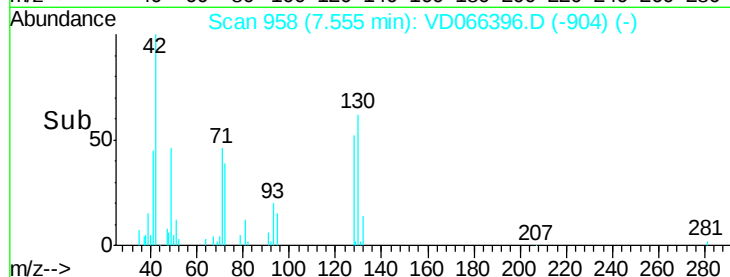
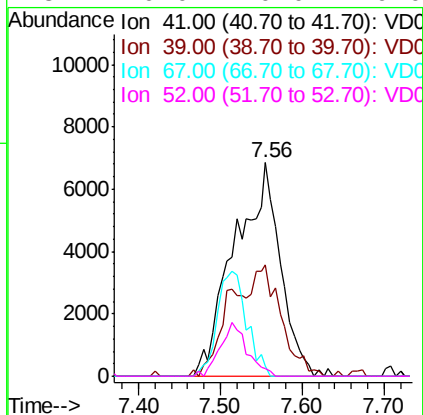
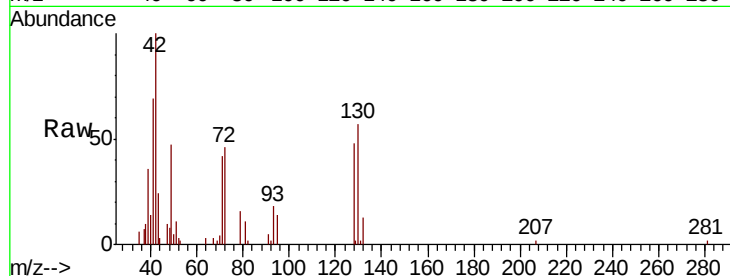




#41
Methacrylonitrile
Concen: 46.435 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.02 min
Lab File: VD066396.D
Acq: 25 Aug 2020 12:24

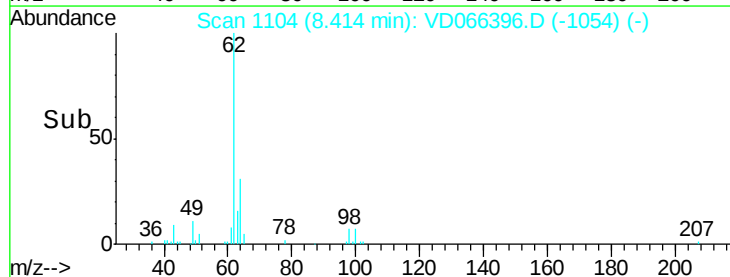
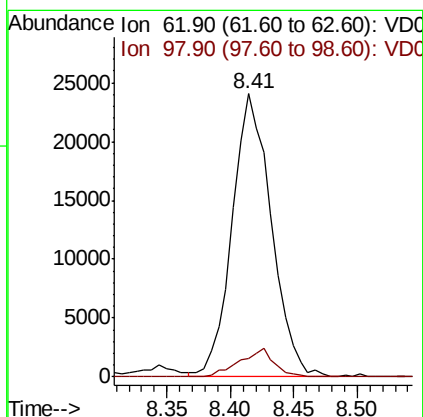
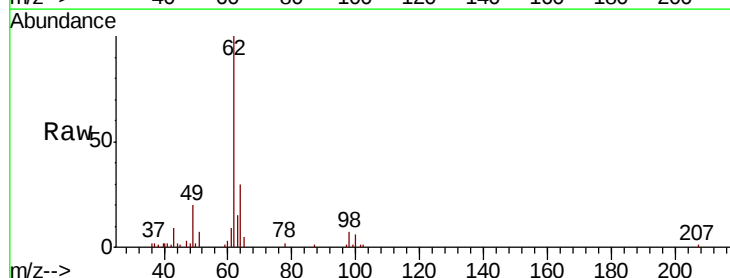
Instrument :
MSVOA_D
ClientSampleId :
VD0825SBS01

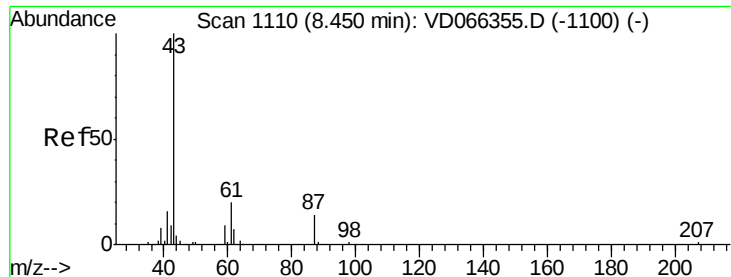
Tot Ion:	41	Resp:	26607
Ion	Ratio	Lower	Upper
41	100		
39	33.5	51.8	77.8#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 20.405 ug/l
RT: 8.41 min Scan# 1104
Delta R.T. -0.01 min
Lab File: VD066396.D
Acq: 25 Aug 2020 12:24

Tgt Ion:	62	Resp:	51648
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	16.2





#43

Isopropyl Acetate

Concen: 20.841 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD0825SBS01

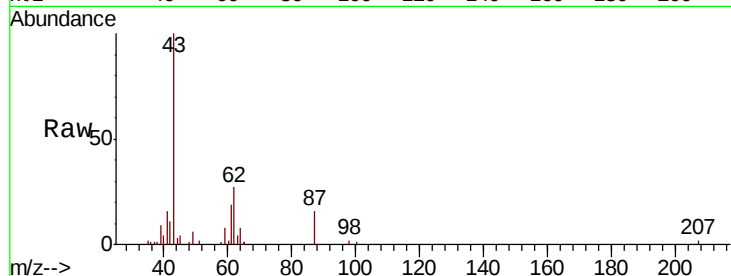
Tot Ion: 43 Resp: 38867

Ion Ratio Lower Upper

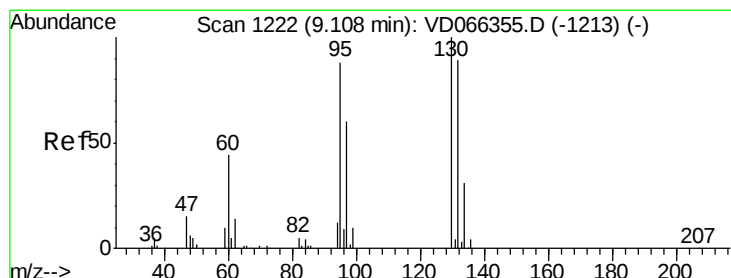
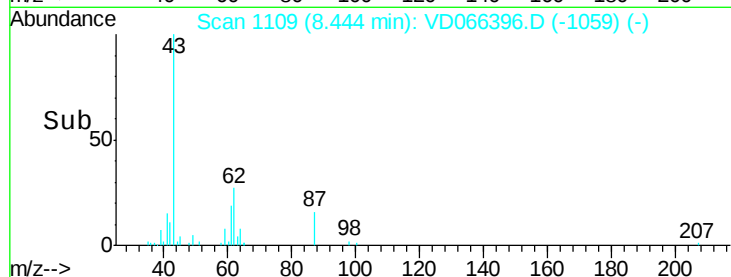
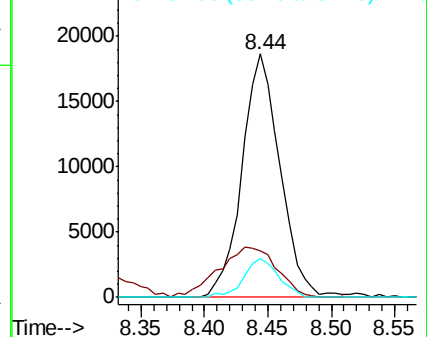
43 100

61 31.6 26.5 39.7

87 14.4 11.9 17.9



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: 18.728 ug/l

RT: 9.10 min Scan# 1221

Delta R.T. -0.01 min

Lab File: VD066396.D

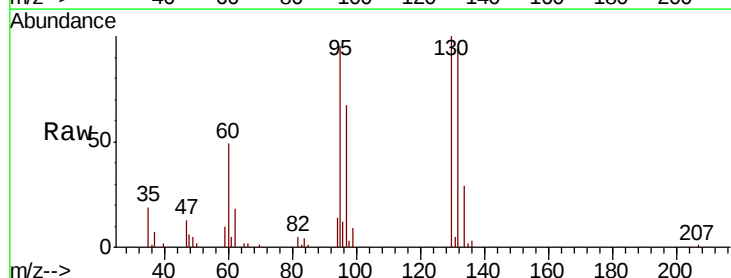
Acq: 25 Aug 2020 12:24

Tgt Ion: 130 Resp: 43735

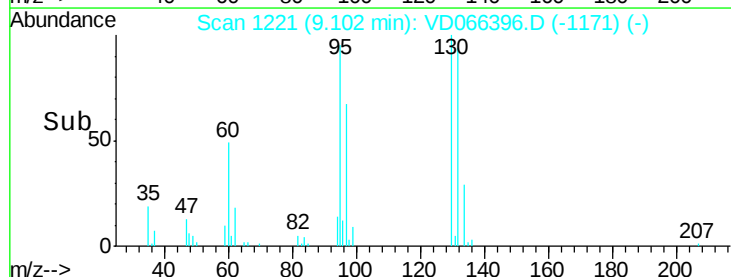
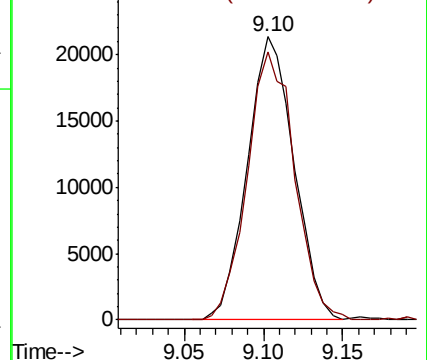
Ion Ratio Lower Upper

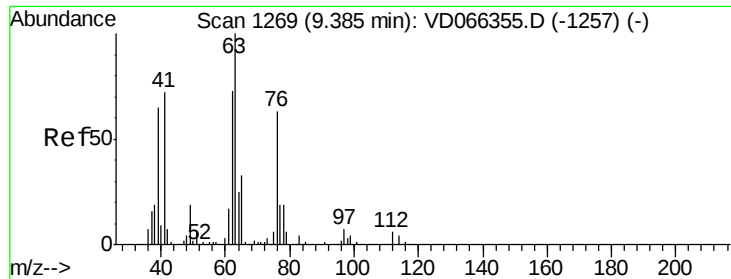
130 100

95 94.8 0.0 175.6



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

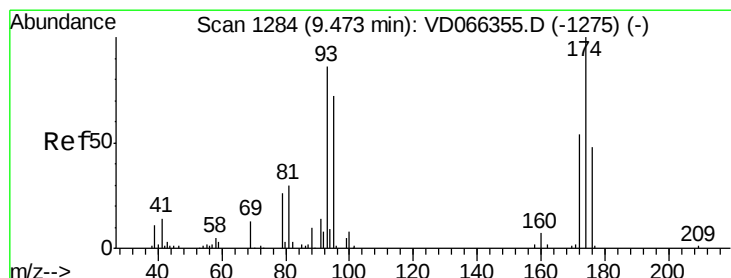
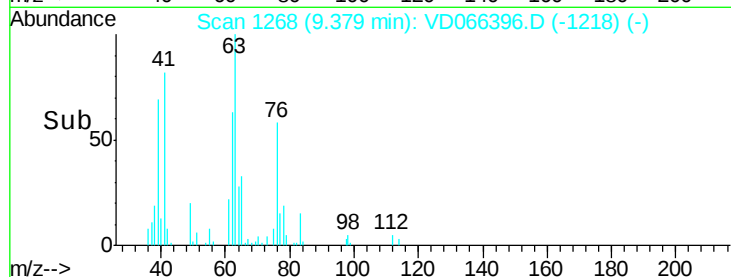
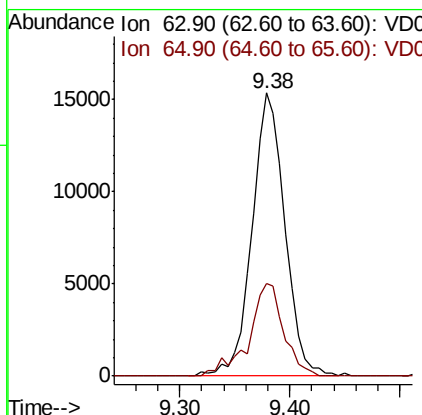
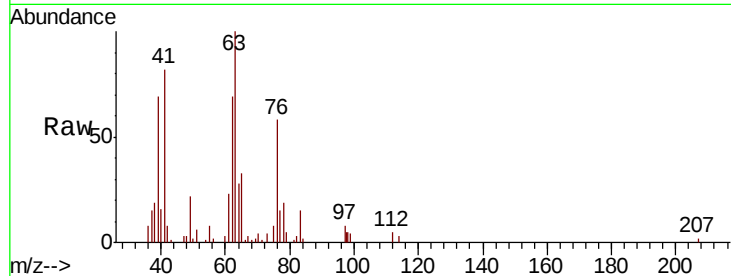




#45
 1,2-Dichloropropane
 Concen: 19.629 ug/l
 RT: 9.38 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VD066396.D
 Acq: 25 Aug 2020 12:24

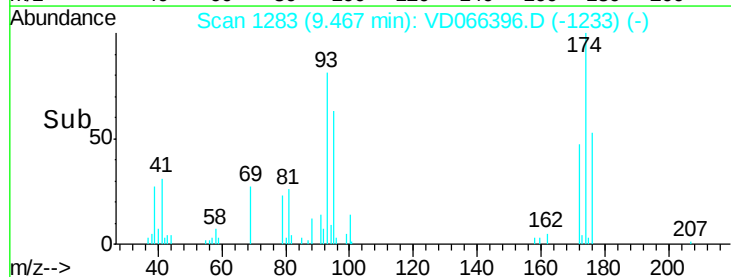
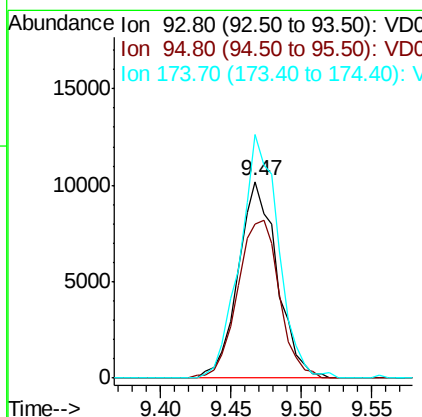
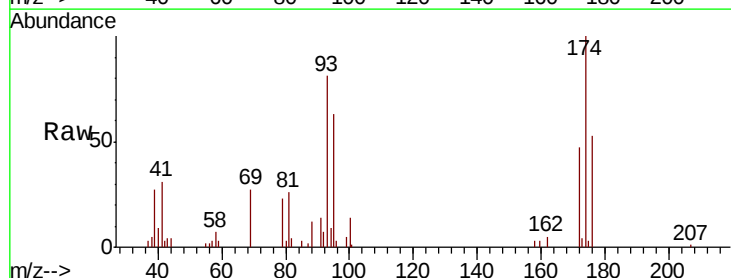
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0825SBS01

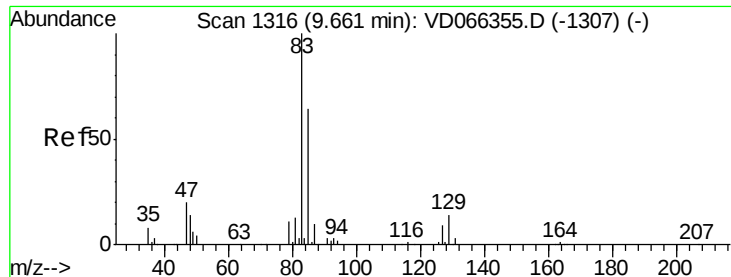
Tot Ion: 63 Resp: 31981
 Ion Ratio Lower Upper
 63 100
 65 32.8 26.4 39.6



#46
 Dibromomethane
 Concen: 19.373 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066396.D
 Acq: 25 Aug 2020 12:24

Tgt Ion: 93 Resp: 19652
 Ion Ratio Lower Upper
 93 100
 95 86.0 66.0 99.0
 174 122.8 94.6 141.8





#47

Bromodichloromethane

Concen: 21.031 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD0825SBS01

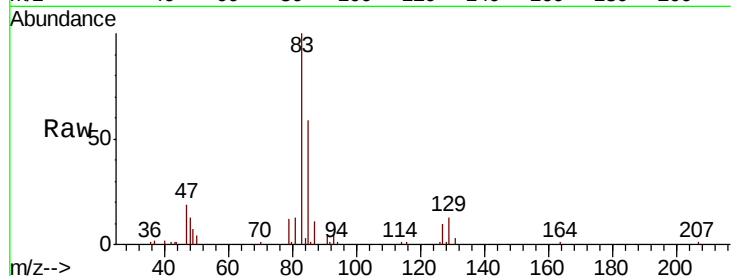
Tot Ion: 83 Resp: 58671

Ion Ratio Lower Upper

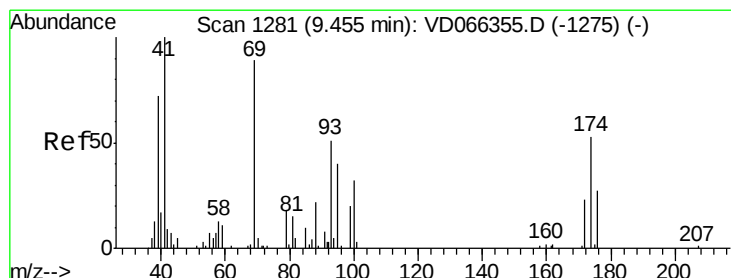
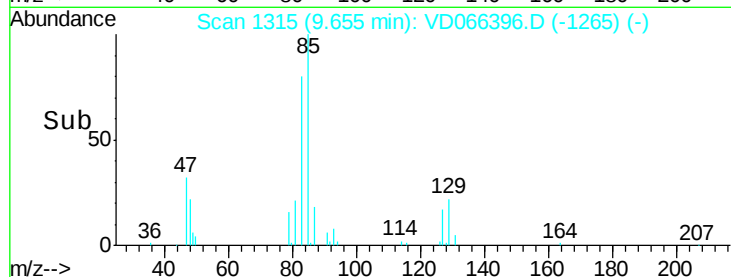
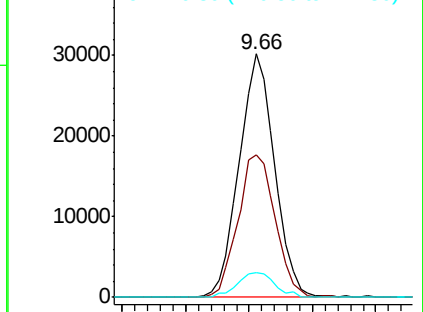
83 100

85 58.6 51.4 77.0

127 10.0 7.4 11.0



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



#48

Methyl methacrylate

Concen: 18.371 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

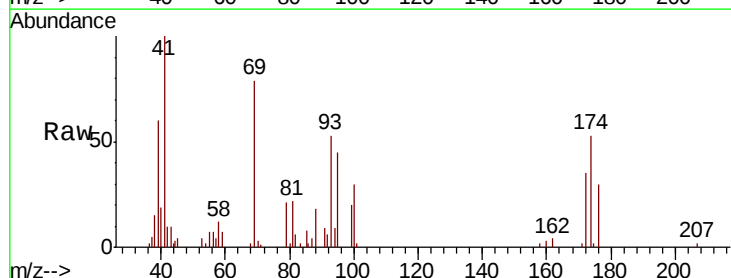
Tgt Ion: 41 Resp: 17667

Ion Ratio Lower Upper

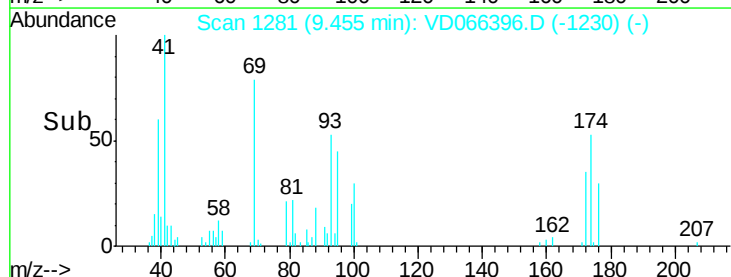
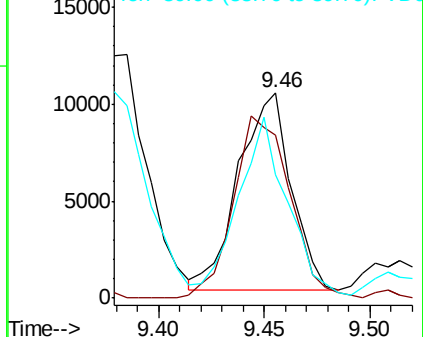
41 100

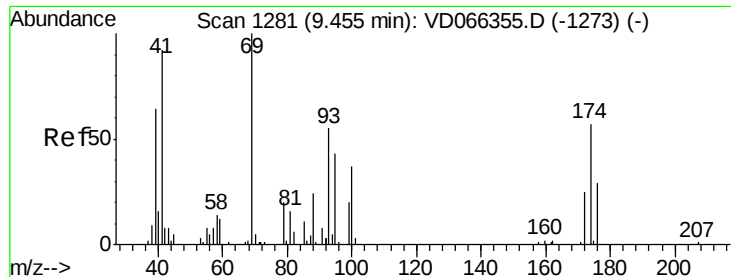
69 98.9 75.5 113.3

39 87.7 57.0 85.4#



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

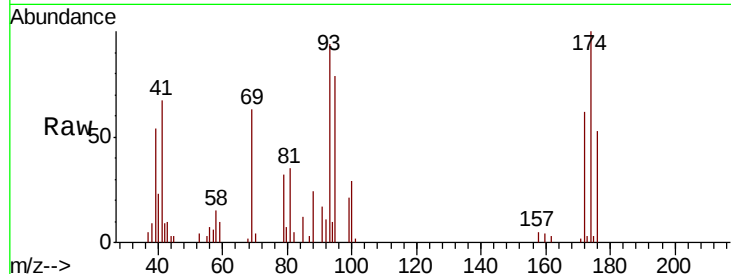




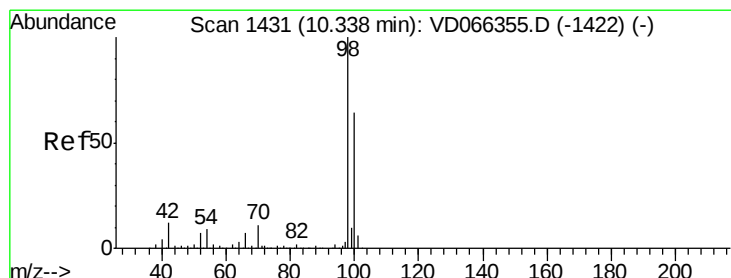
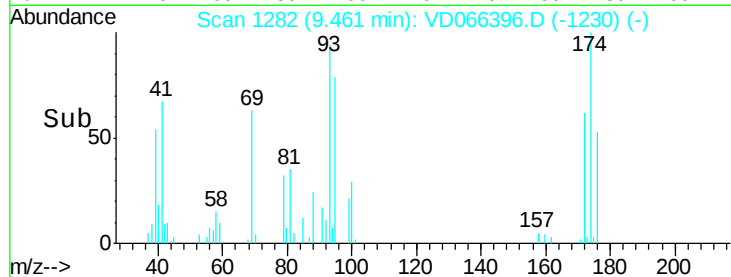
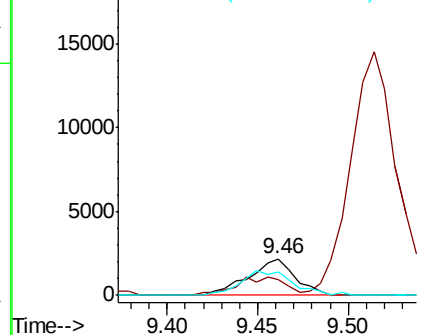
#49
1,4-Dioxane
Concen: 332.373 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.01 min
Lab File: VD066396.D
Acq: 25 Aug 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD0825SBS01

Tot Ion: 88 Resp: 3915
Ion Ratio Lower Upper
88 100
43 53.2 29.4 44.0#
58 75.3 45.4 68.2#

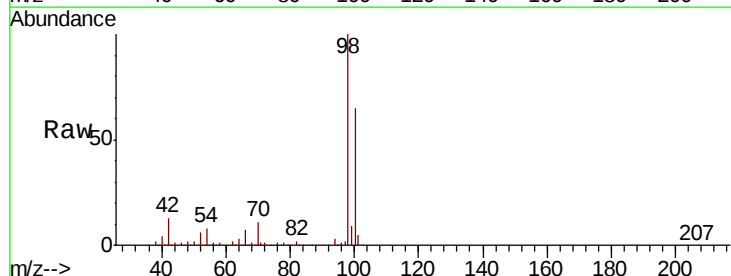


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

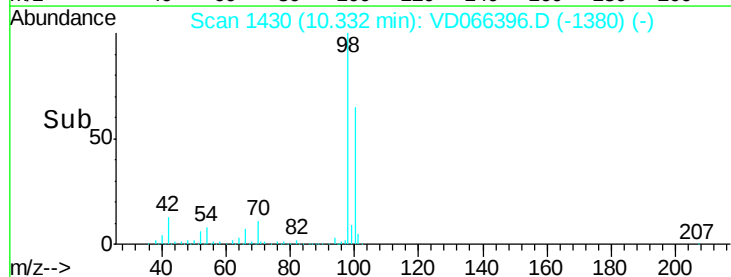
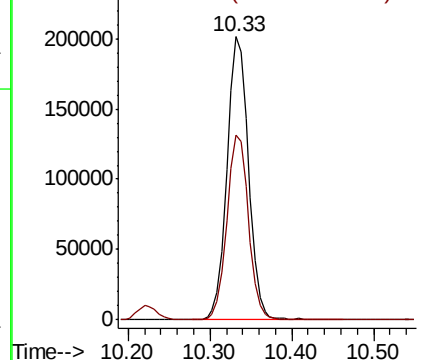


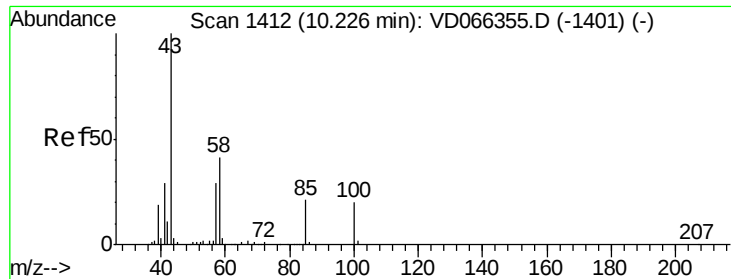
#50
Toluene-d8
Concen: 53.770 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VD066396.D
Acq: 25 Aug 2020 12:24

Tgt Ion: 98 Resp: 368328
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4



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

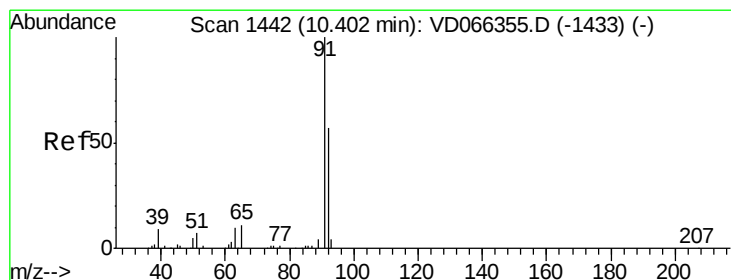
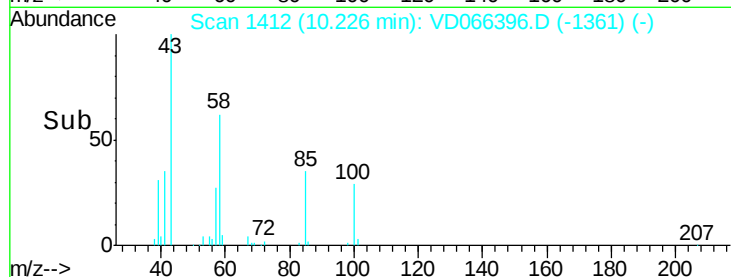
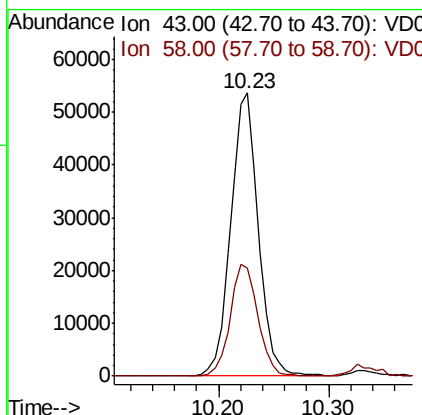
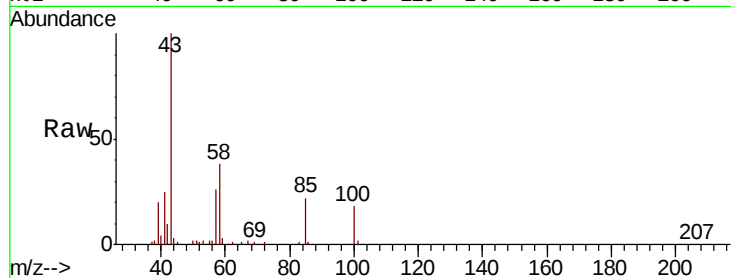




#51
4-Methyl-2-Pentanone
Concen: 104.314 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.00 min
Lab File: VD066396.D
Acq: 25 Aug 2020 12:24

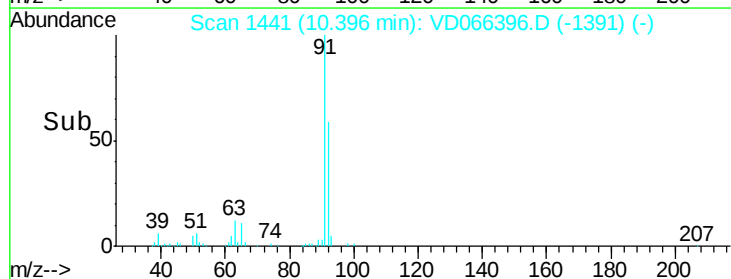
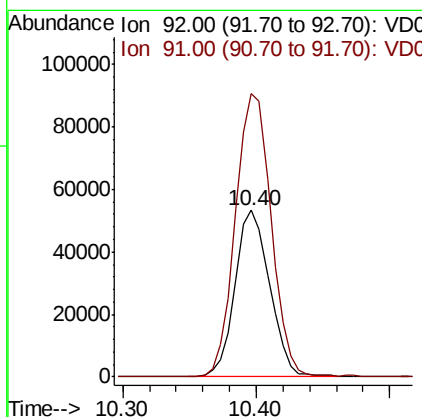
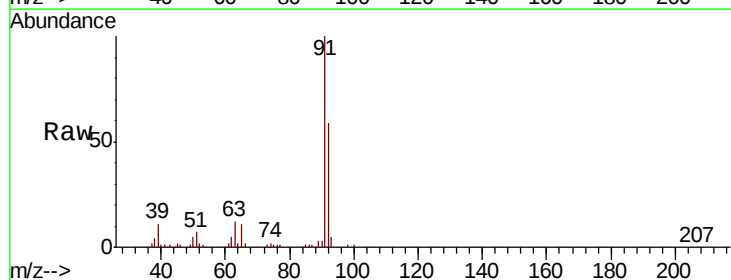
Instrument :
MSVOA_D
ClientSampleId :
VD0825SBS01

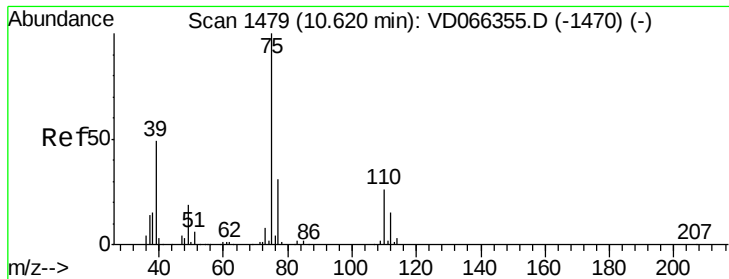
Tot Ion: 43 Resp: 94110
Ion Ratio Lower Upper
43 100
58 39.5 31.4 47.2



#52
Toluene
Concen: 19.800 ug/l
RT: 10.40 min Scan# 1441
Delta R.T. -0.01 min
Lab File: VD066396.D
Acq: 25 Aug 2020 12:24

Tgt Ion: 92 Resp: 96407
Ion Ratio Lower Upper
92 100
91 174.6 135.8 203.6





#53

t-1,3-Dichloropropene

Concen: 20.491 ug/l

RT: 10.61 min Scan# 1478

Delta R.T. -0.01 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

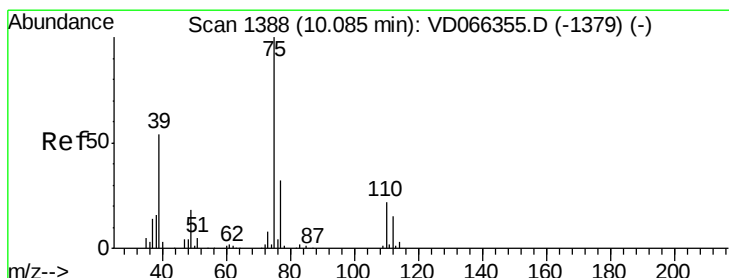
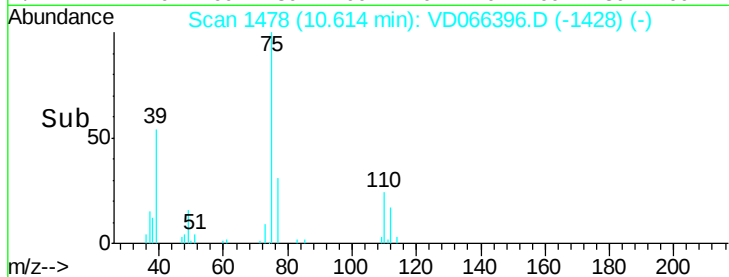
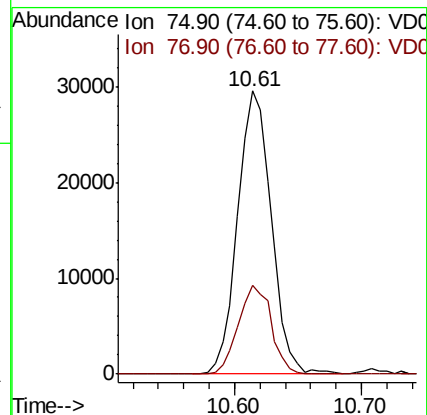
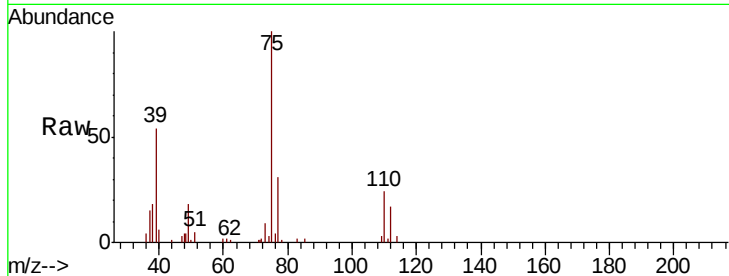
VD0825SBS01

Tot Ion: 75 Resp: 54242

Ion Ratio Lower Upper

75 100

77 31.2 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 19.948 ug/l

RT: 10.08 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

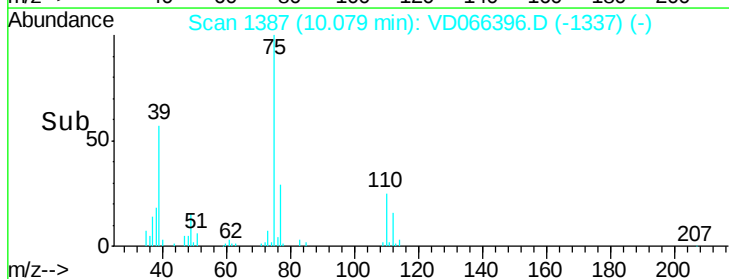
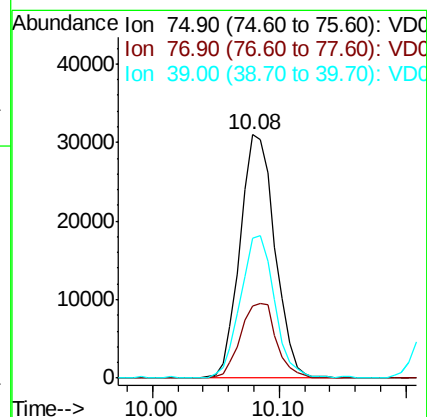
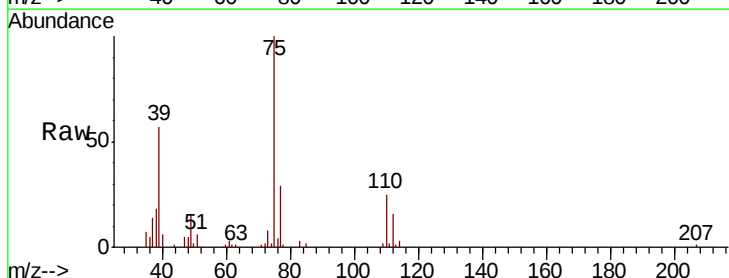
Tgt Ion: 75 Resp: 59269

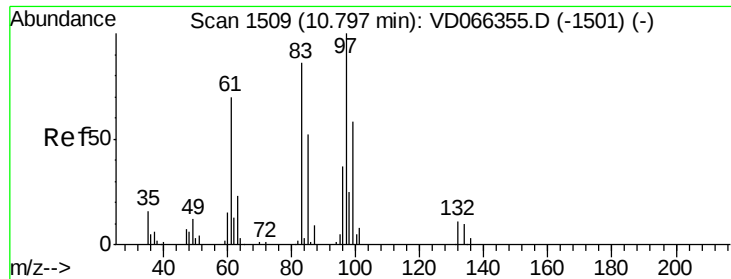
Ion Ratio Lower Upper

75 100

77 29.4 25.6 38.4

39 57.5 43.4 65.0





#55

1,1,2-Trichloroethane

Concen: 21.095 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD0825SBS01

Tot Ion: 97 Resp: 28970

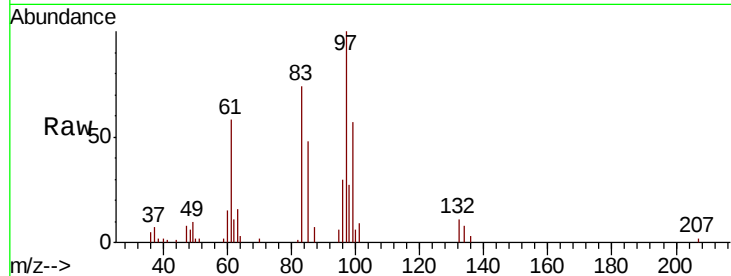
Ion Ratio Lower Upper

97 100

83 74.2 68.4 102.6

85 48.1 41.3 61.9

99 57.4 46.1 69.1



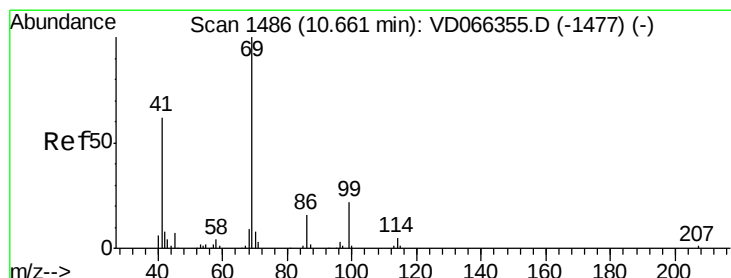
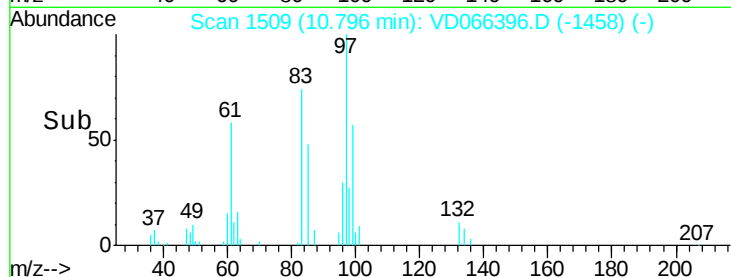
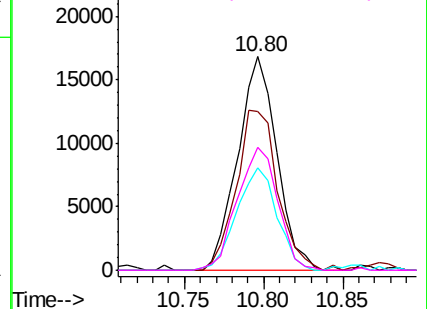
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 20.657 ug/l

RT: 10.66 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

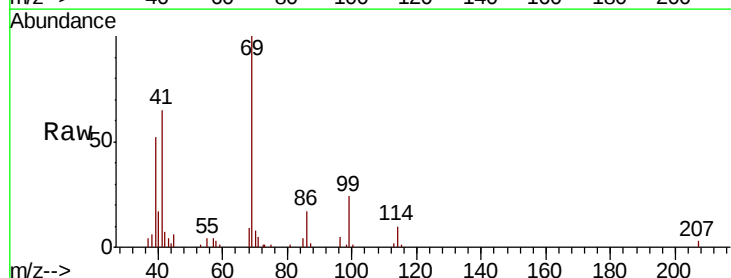
Tgt Ion: 69 Resp: 32840

Ion Ratio Lower Upper

69 100

41 67.9 50.8 76.2

39 46.9 32.9 49.3

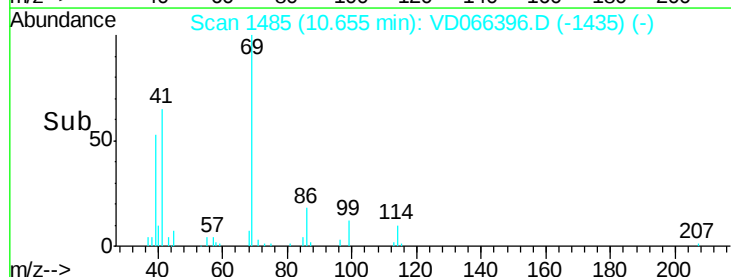
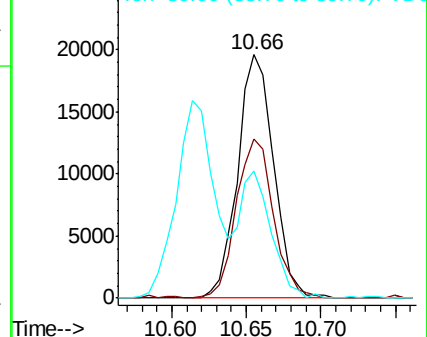


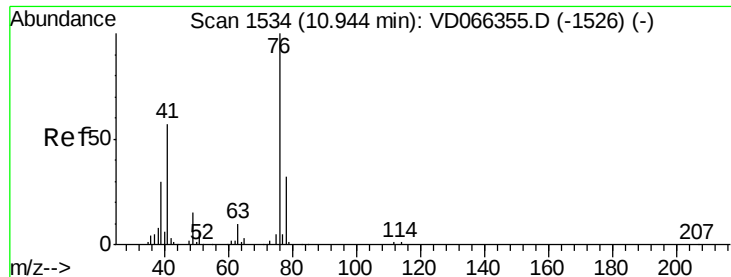
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

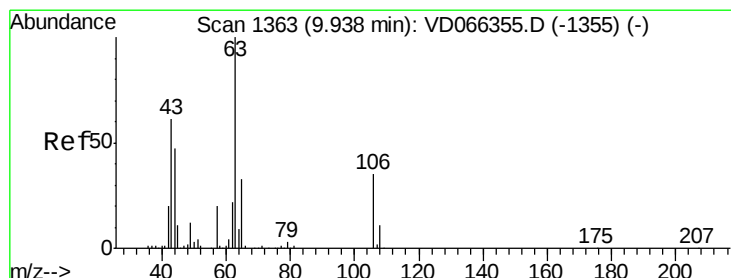
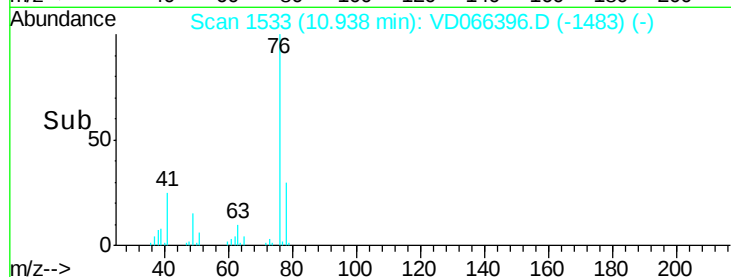
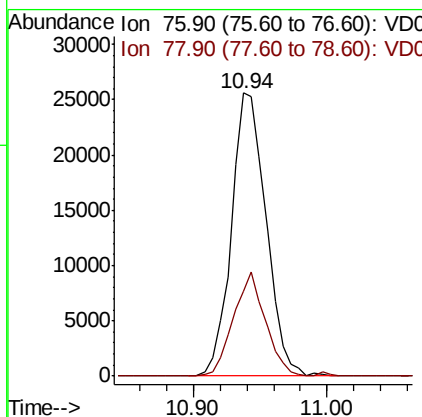
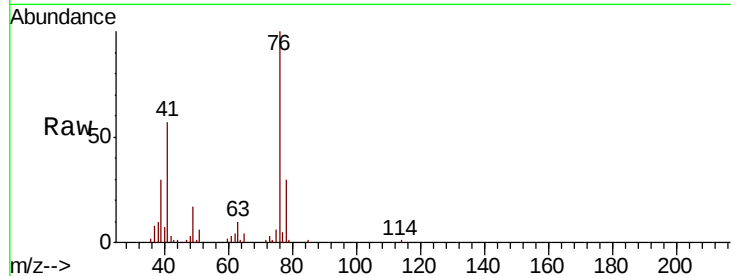




#57
 1,3-Dichloropropane
 Concen: 20.323 ug/l
 RT: 10.94 min Scan# 1533
 Delta R.T. -0.01 min
 Lab File: VD066396.D
 Acq: 25 Aug 2020 12:24

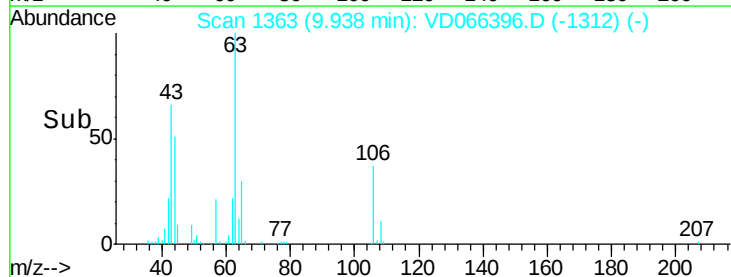
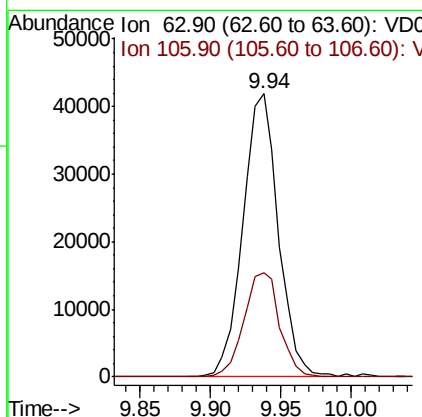
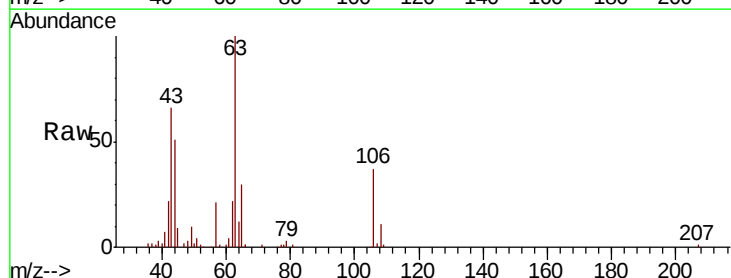
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0825SBS01

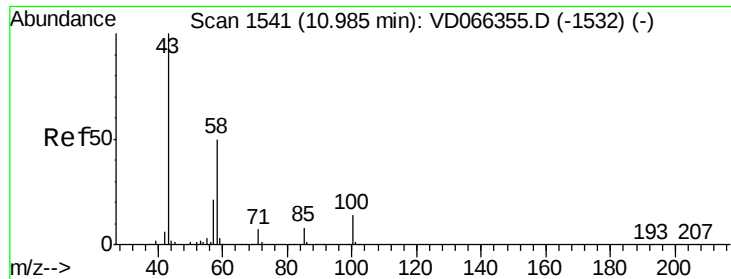
Tot Ion: 76 Resp: 46164
 Ion Ratio Lower Upper
 76 100
 78 33.9 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.651 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066396.D
 Acq: 25 Aug 2020 12:24

Tgt Ion: 63 Resp: 73719
 Ion Ratio Lower Upper
 63 100
 106 36.9 27.1 40.7

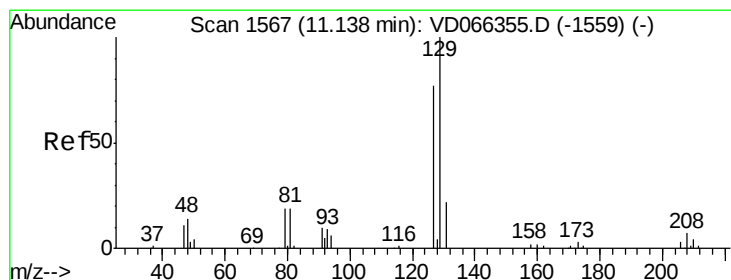
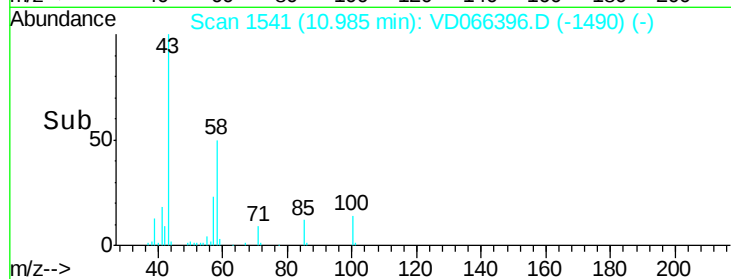
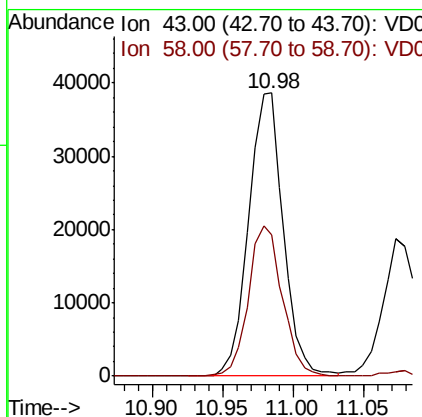
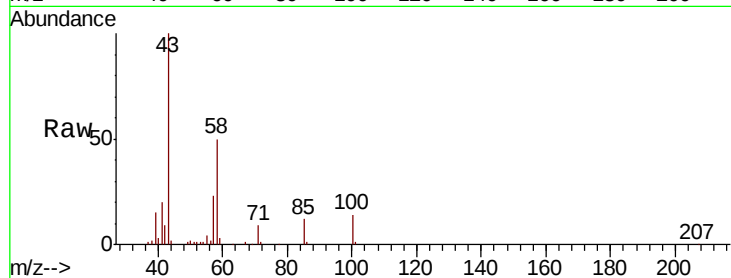




#59
2-Hexanone
Concen: 104.744 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066396.D
Acq: 25 Aug 2020 12:24

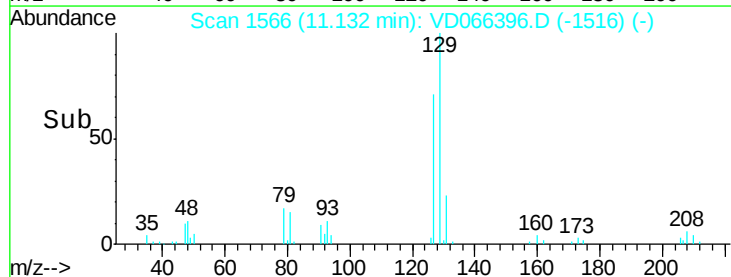
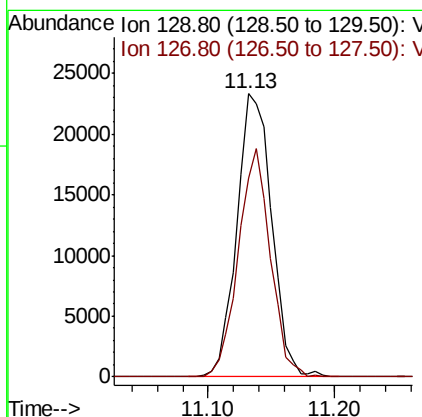
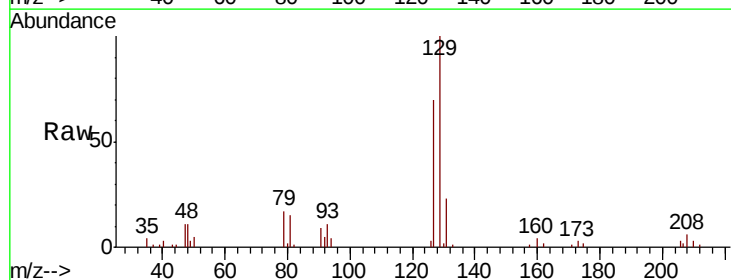
Instrument :
MSVOA_D
ClientSampleId :
VD0825SBS01

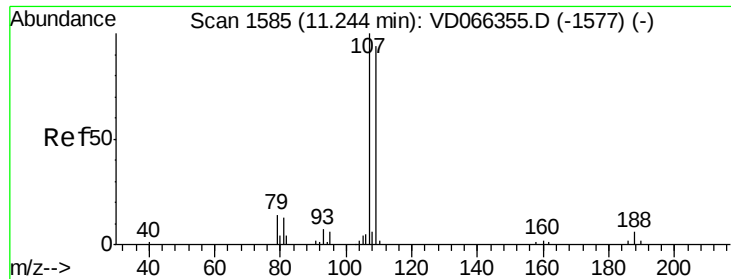
Tot Ion: 43 Resp: 66656
Ion Ratio Lower Upper
43 100
58 51.8 26.3 78.8



#60
Dibromochloromethane
Concen: 21.443 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VD066396.D
Acq: 25 Aug 2020 12:24

Tgt Ion: 129 Resp: 44388
Ion Ratio Lower Upper
129 100
127 74.3 39.0 117.0

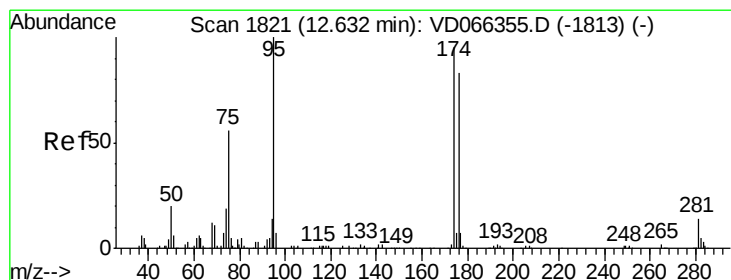
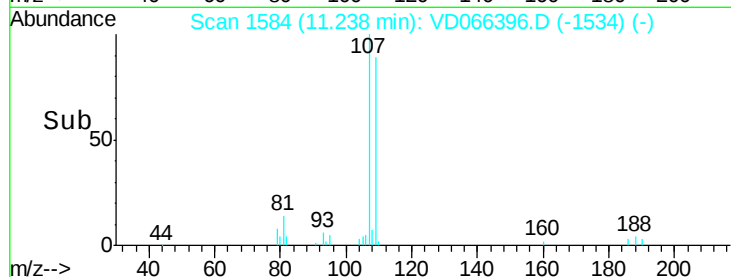
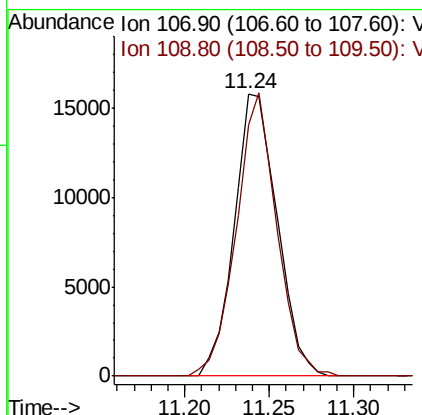
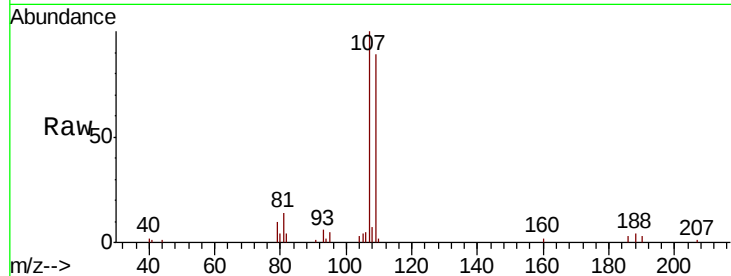




#61
 1,2-Dibromoethane
 Concen: 20.667 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: VD066396.D
 Acq: 25 Aug 2020 12:24

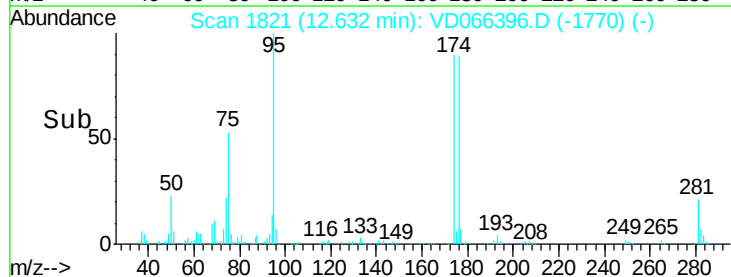
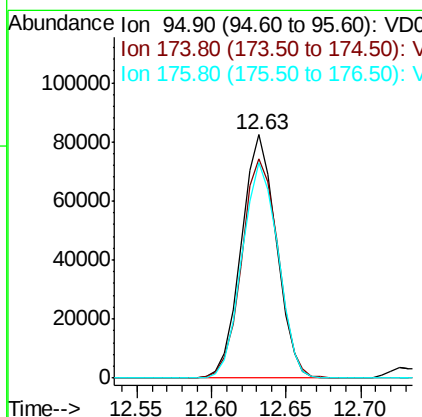
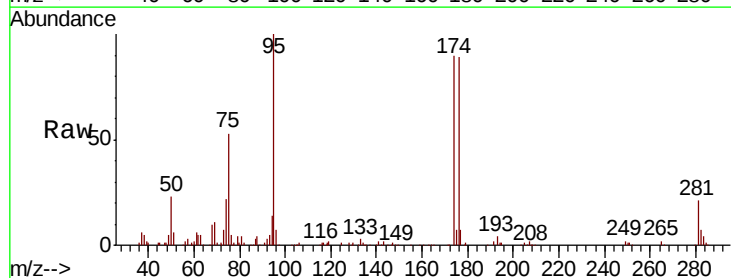
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0825SBS01

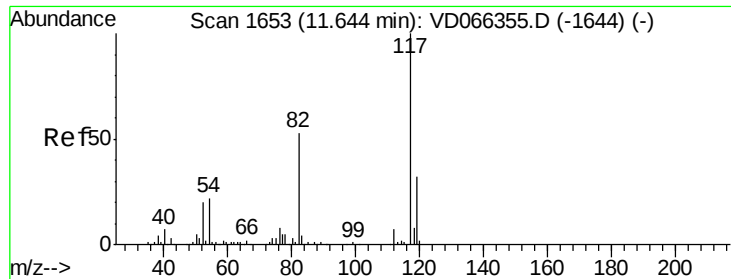
Tot Ion:107 Resp: 27930
 Ion Ratio Lower Upper
 107 100
 109 94.5 77.8 116.8



#62
 4-Bromofluorobenzene
 Concen: 54.974 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066396.D
 Acq: 25 Aug 2020 12:24

Tgt Ion: 95 Resp: 133627
 Ion Ratio Lower Upper
 95 100
 174 93.4 0.0 183.4
 176 91.2 0.0 173.8

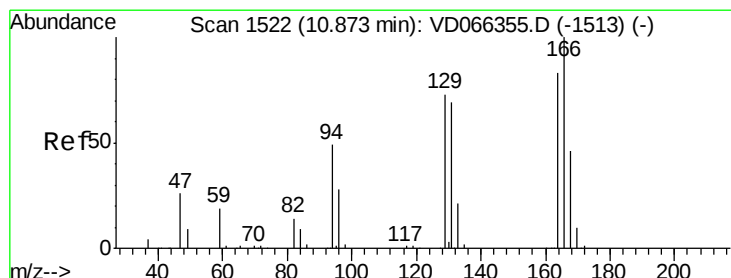
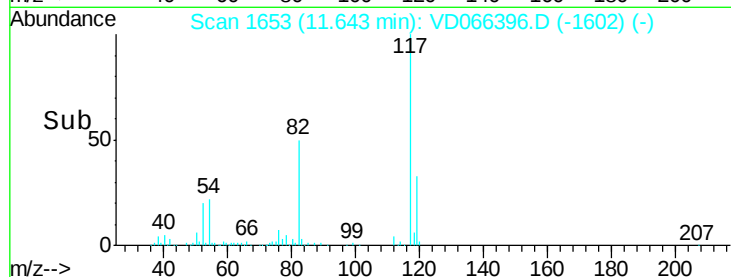
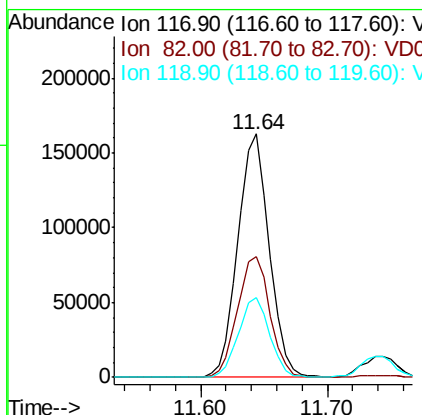
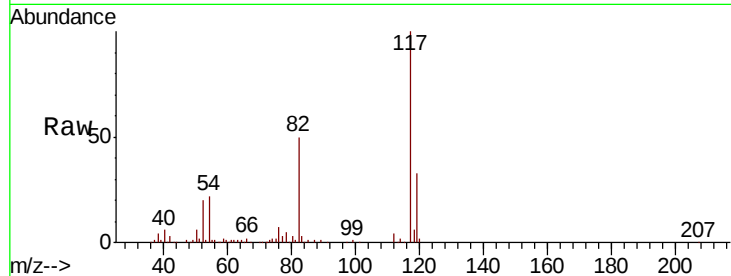




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066396.D
Acq: 25 Aug 2020 12:24

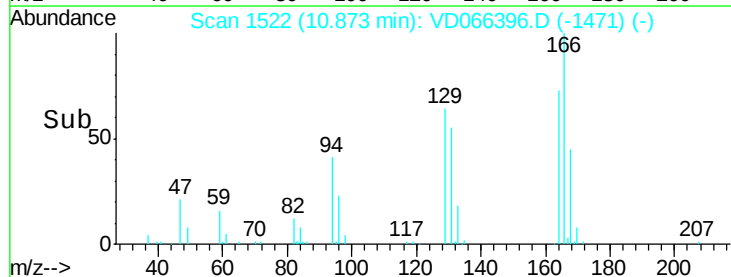
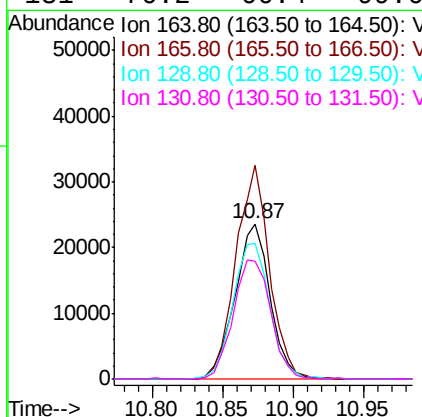
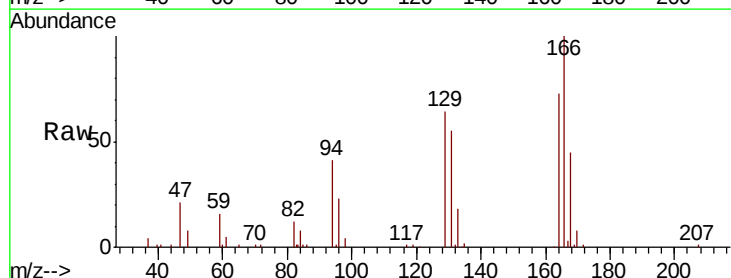
Instrument :
MSVOA_D
ClientSampleId :
VD0825SBS01

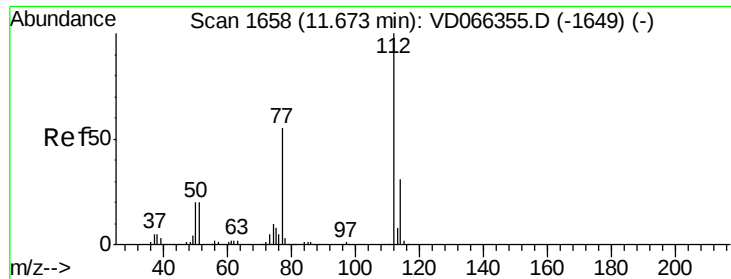
Tot Ion:117 Resp: 278970
Ion Ratio Lower Upper
117 100
82 49.7 42.8 64.2
119 32.9 25.8 38.8



#64
Tetrachloroethene
Concen: 19.352 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066396.D
Acq: 25 Aug 2020 12:24

Tgt Ion:164 Resp: 40954
Ion Ratio Lower Upper
164 100
166 137.6 96.2 144.4
129 87.5 70.3 105.5
131 76.2 66.4 99.6





#65

Chlorobenzene

Concen: 19.224 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.01 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

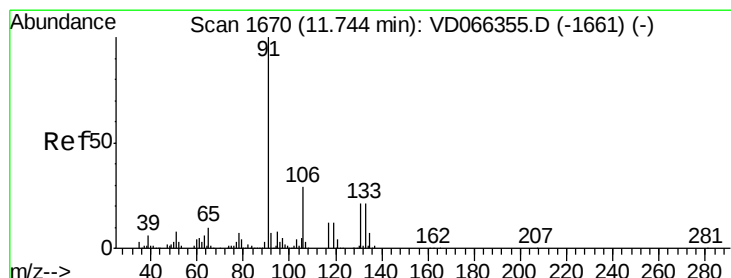
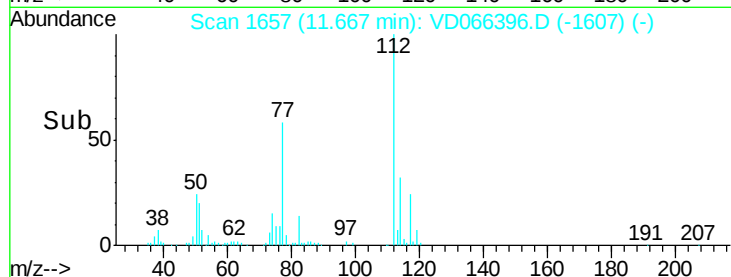
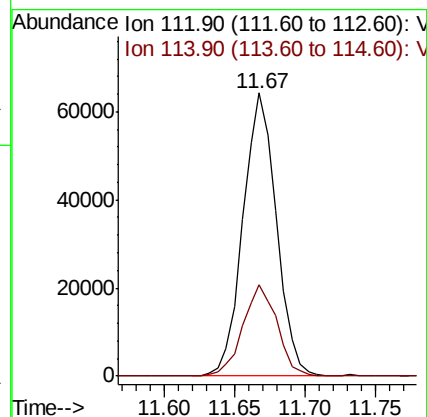
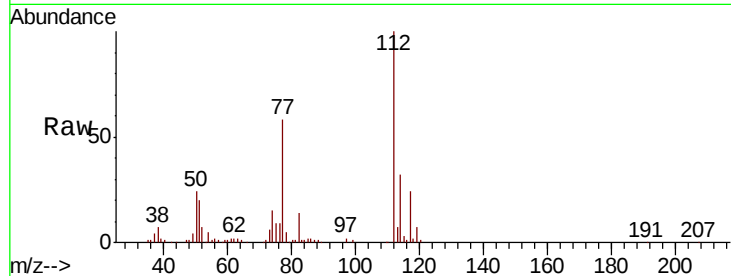
VD0825SBS01

Tot Ion:112 Resp: 106697

Ion Ratio Lower Upper

112 100

114 32.2 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 19.783 ug/l

RT: 11.74 min Scan# 1669

Delta R.T. -0.01 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

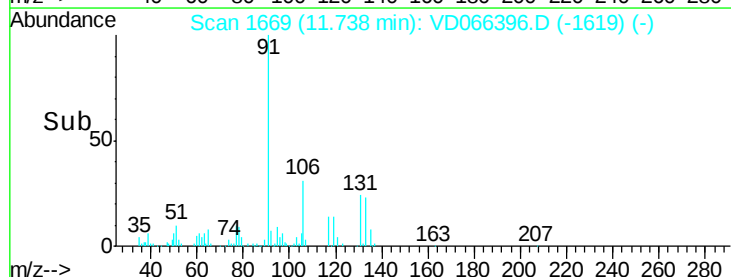
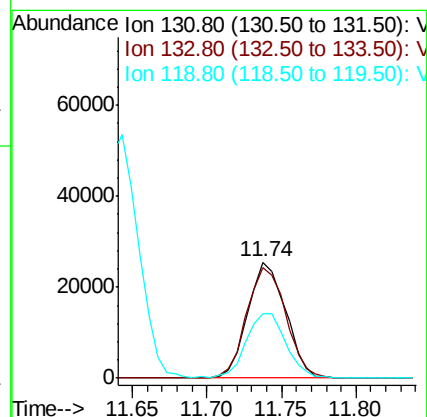
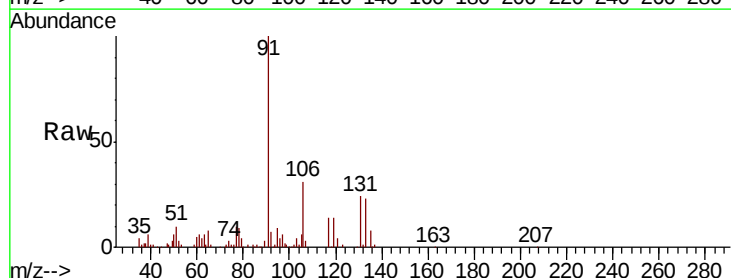
Tgt Ion:131 Resp: 44870

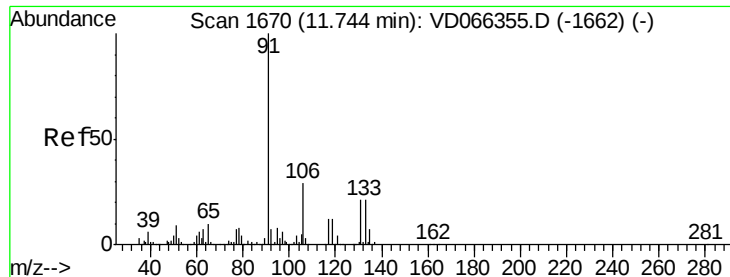
Ion Ratio Lower Upper

131 100

133 99.7 48.6 145.9

119 58.8 29.0 87.1

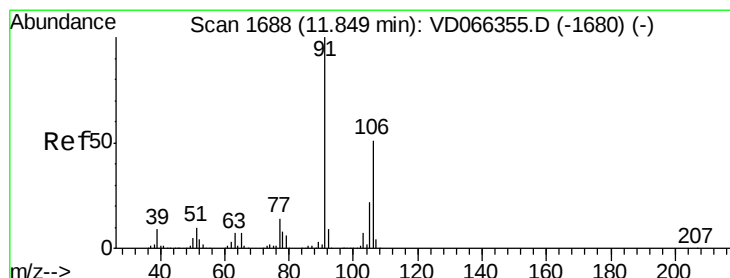
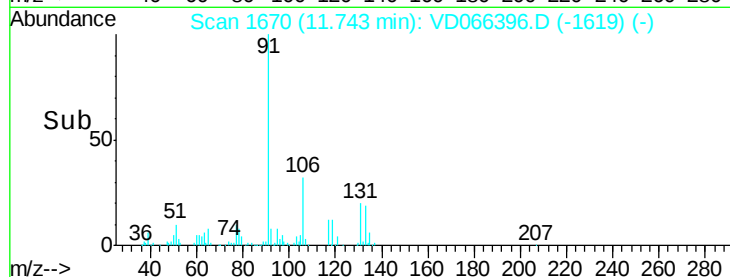
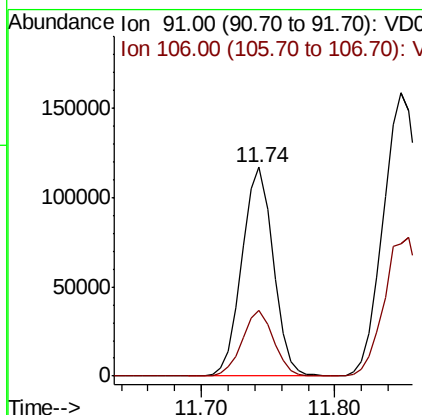
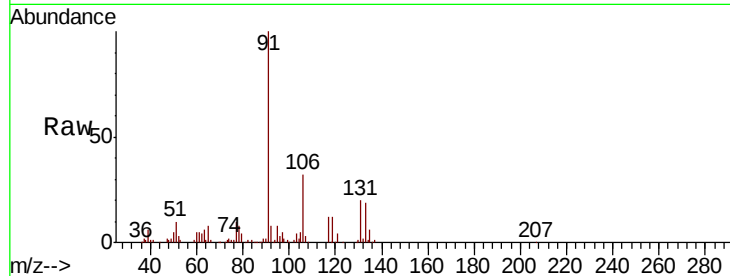




#67
Ethyl Benzene
Concen: 19.466 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066396.D
Acq: 25 Aug 2020 12:24

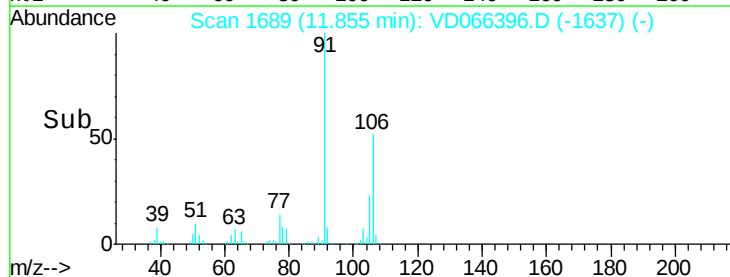
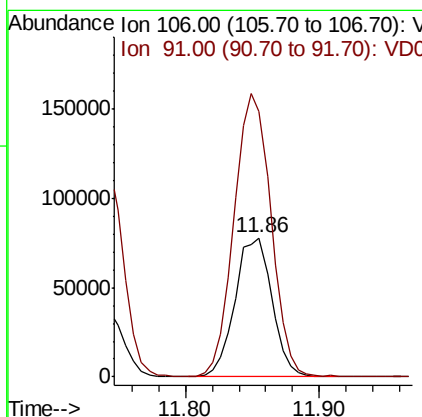
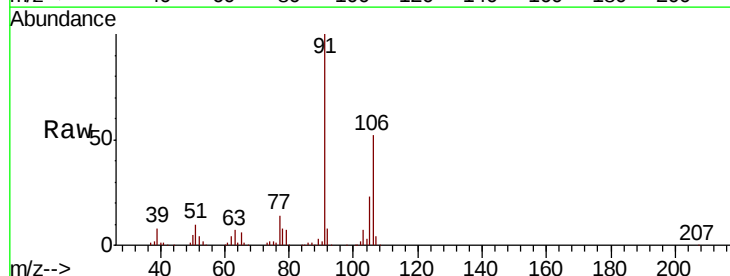
Instrument :
MSVOA_D
ClientSampleId :
VD0825SBS01

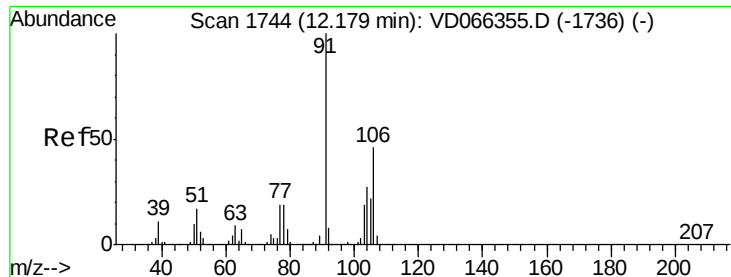
Tot Ion: 91 Resp: 190180
Ion Ratio Lower Upper
91 100
106 31.5 23.4 35.2



#68
m/p-Xylenes
Concen: 40.198 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VD066396.D
Acq: 25 Aug 2020 12:24

Tgt Ion: 106 Resp: 149685
Ion Ratio Lower Upper
106 100
91 203.7 160.7 241.1





#69

o-Xylene

Concen: 19.866 ug/l

RT: 12.18 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

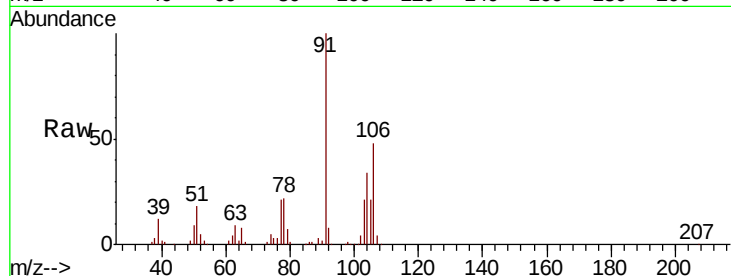
VD0825SBS01

Tot Ion:106 Resp: 68820

Ion Ratio Lower Upper

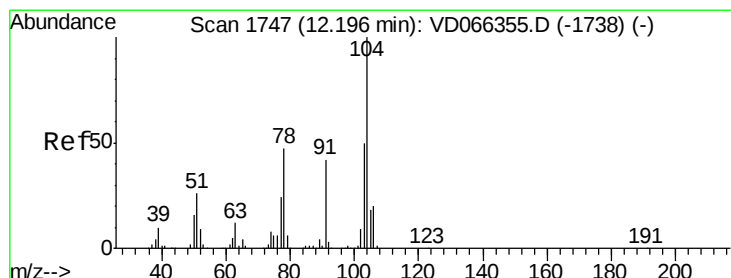
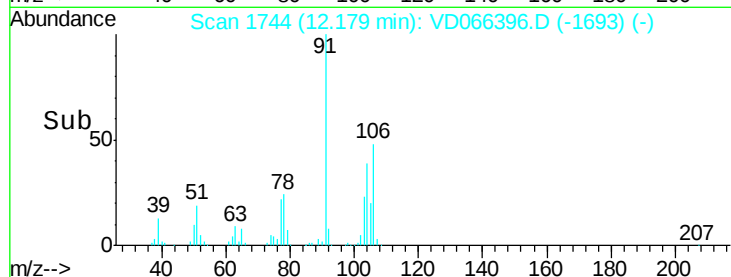
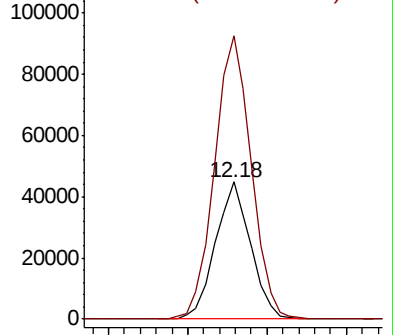
106 100

91 215.4 109.1 327.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V



#70

Styrene

Concen: 20.016 ug/l

RT: 12.20 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

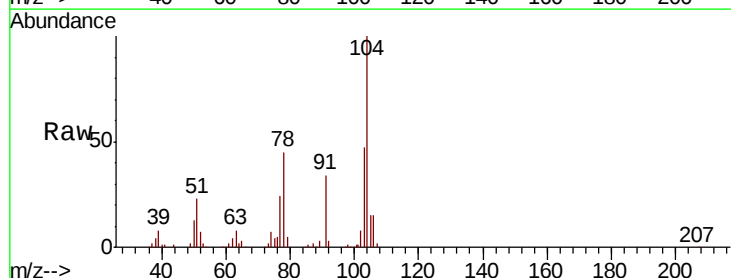
Tgt Ion:104 Resp: 119057

Ion Ratio Lower Upper

104 100

78 52.8 41.7 62.5

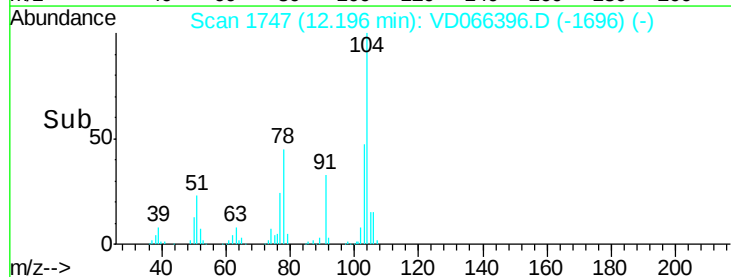
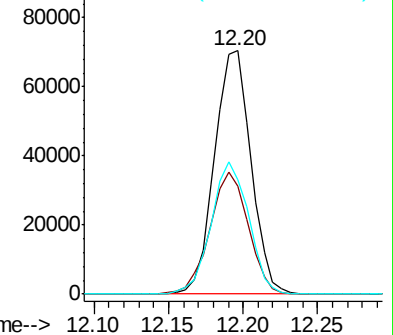
103 56.1 43.5 65.3

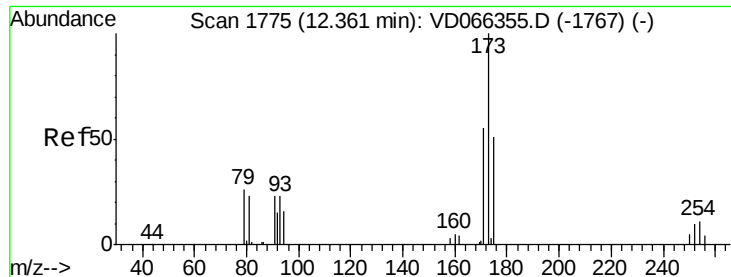


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.989 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD0825SBS01

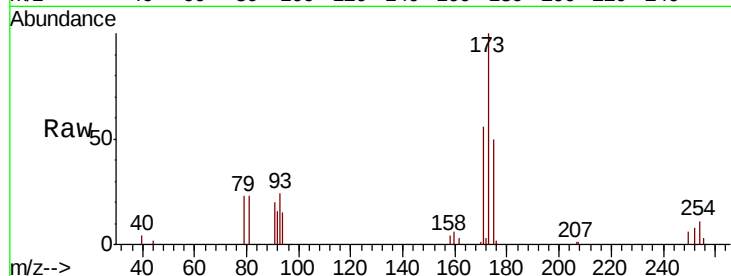
Tot Ion:173 Resp: 27009

Ion Ratio Lower Upper

173 100

175 49.6 24.8 74.3

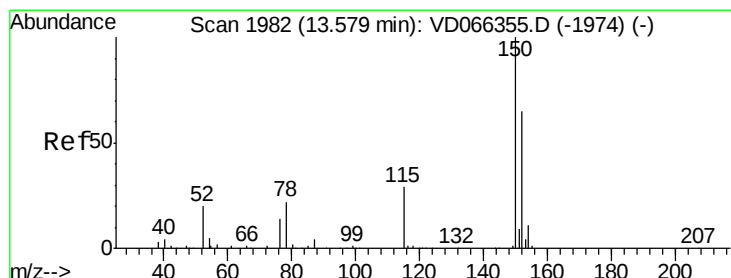
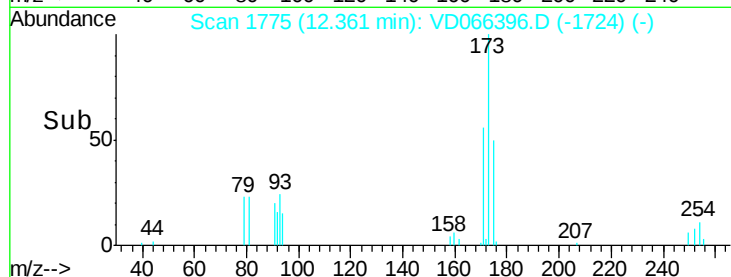
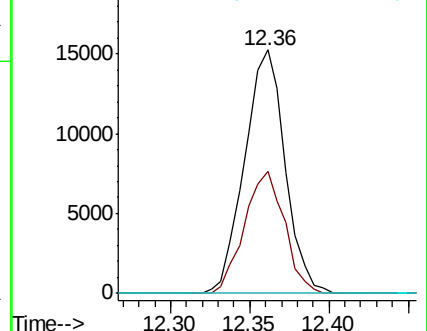
254 0.0 0.0 0.0



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: 13.57 min Scan# 1981

Delta R.T. -0.01 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

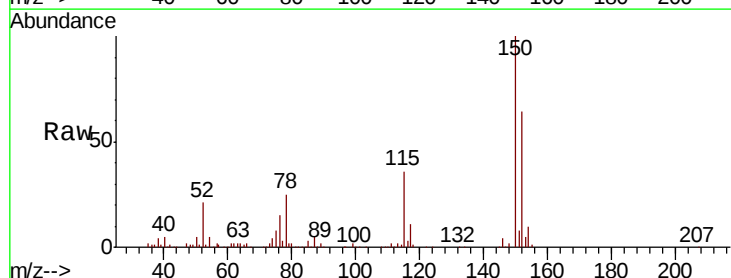
Tgt Ion:152 Resp: 146765

Ion Ratio Lower Upper

152 100

115 58.2 28.3 85.0

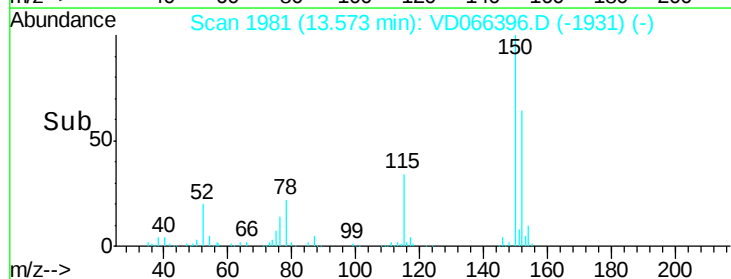
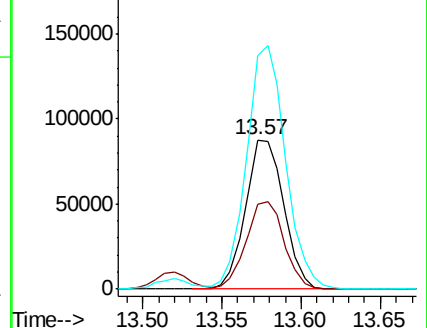
150 167.0 0.0 343.2

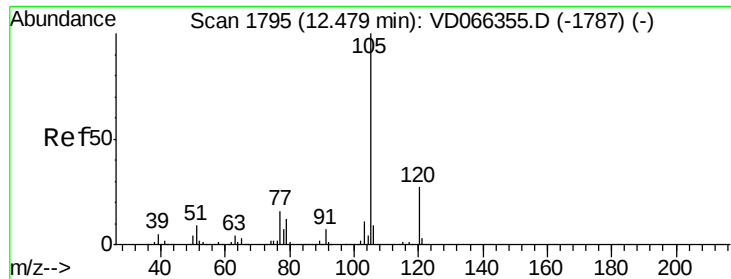


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.653 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

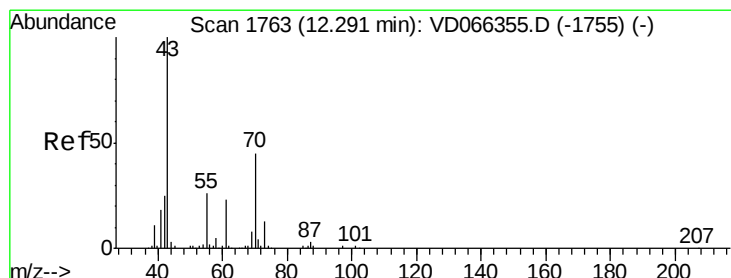
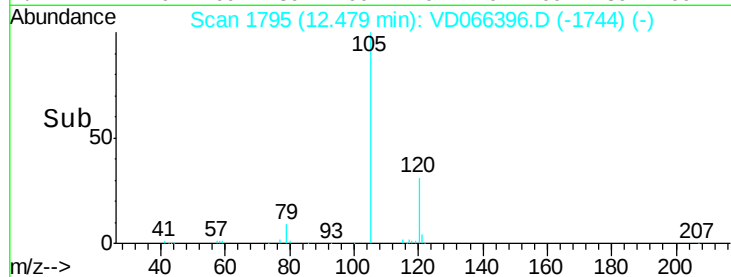
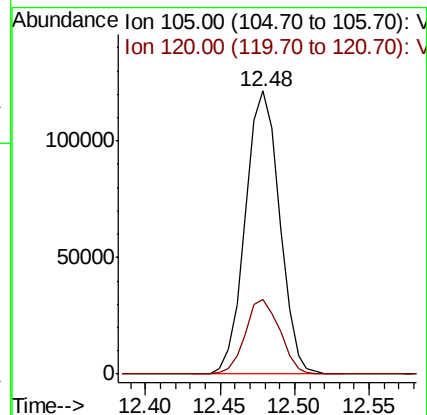
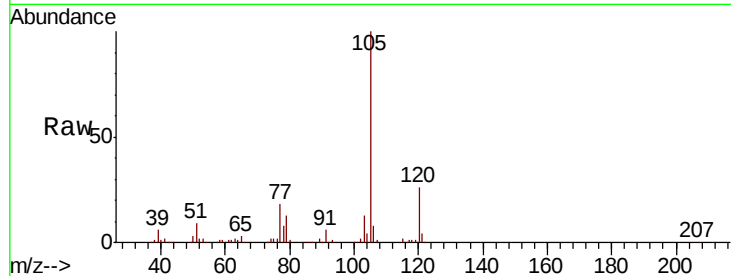
VD0825SBS01

Tot Ion:105 Resp: 193220

Ion Ratio Lower Upper

105 100

120 26.5 13.6 40.8



#74

N-ethyl acetate

Concen: 20.299 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

Tgt Ion: 43 Resp: 36046

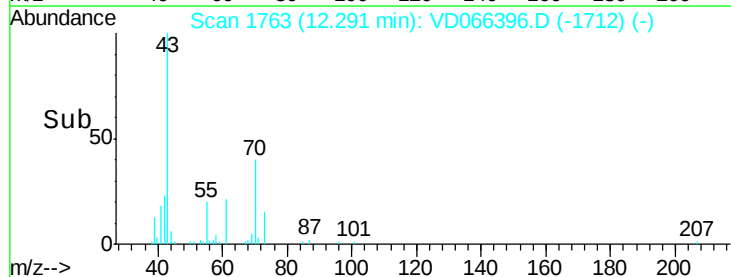
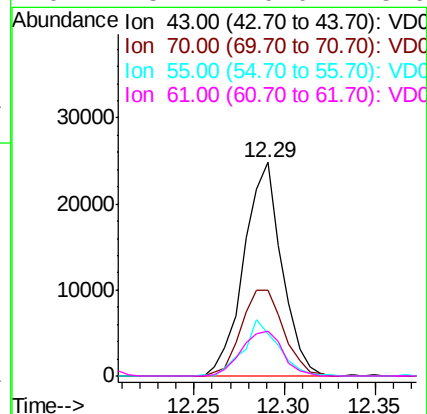
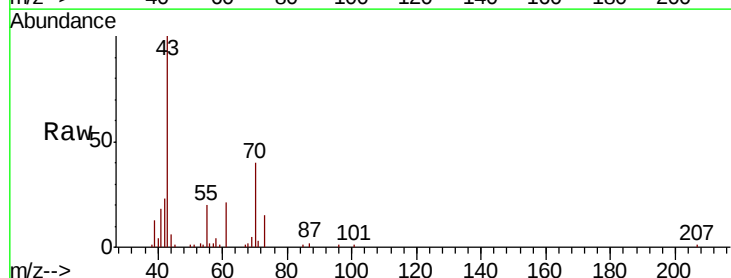
Ion Ratio Lower Upper

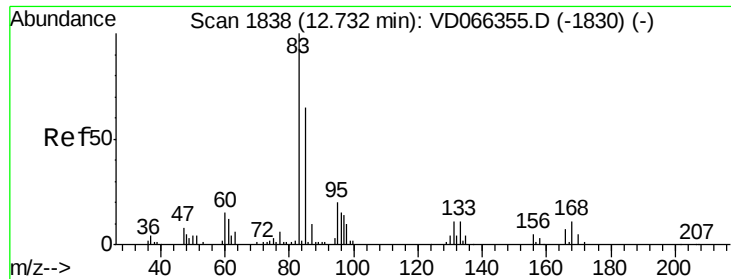
43 100

70 45.2 34.8 52.2

55 24.2 20.3 30.5

61 23.1 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.431 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD0825SBS01

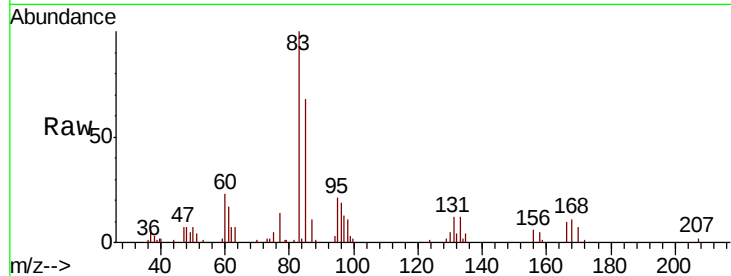
Tot Ion: 83 Resp: 28695

Ion Ratio Lower Upper

83 100

131 12.2 7.0 20.9

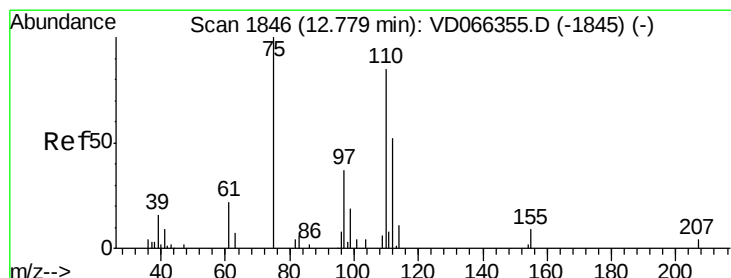
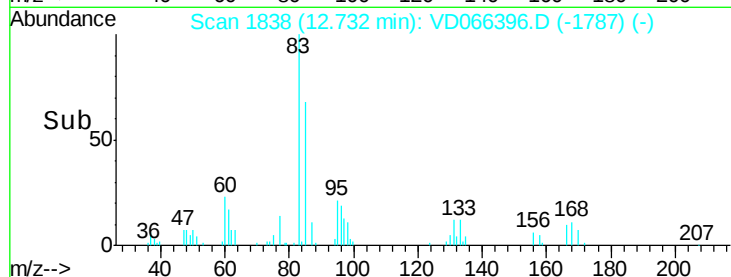
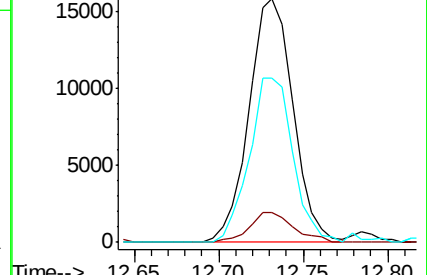
85 66.8 32.4 97.0



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: 40.181 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.01 min

Lab File: VD066396.D

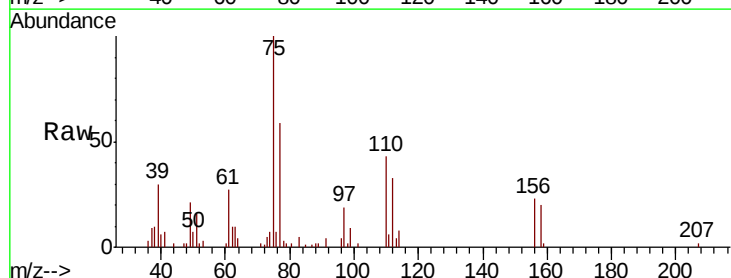
Acq: 25 Aug 2020 12:24

Tgt Ion: 75 Resp: 41487

Ion Ratio Lower Upper

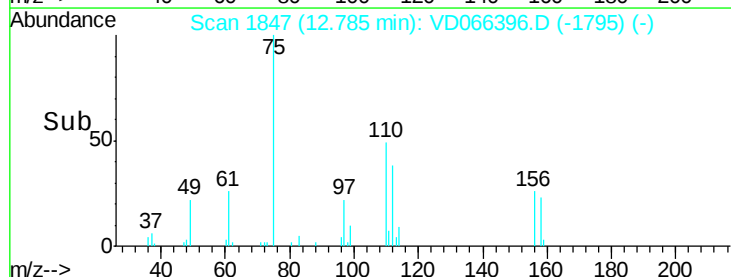
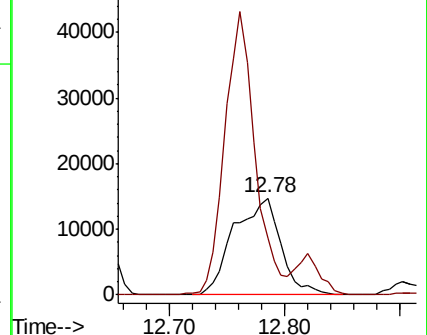
75 100

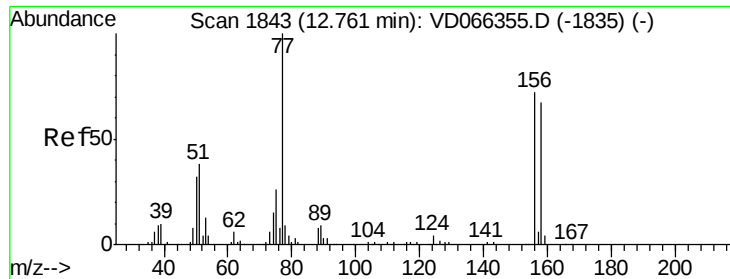
77 0.0 182.9 548.9#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.015 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD0825SBS01

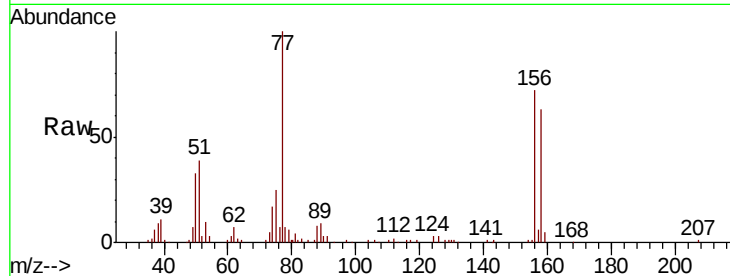
Tot Ion:156 Resp: 49945

Ion Ratio Lower Upper

156 100

77 158.3 76.1 228.3

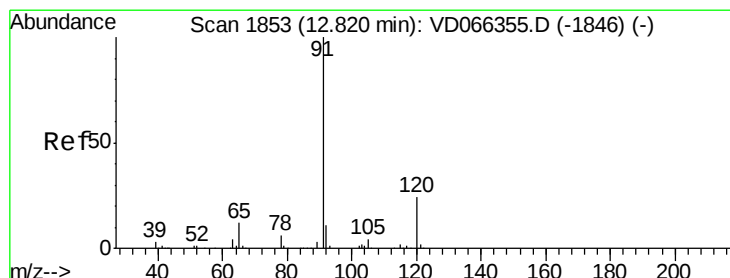
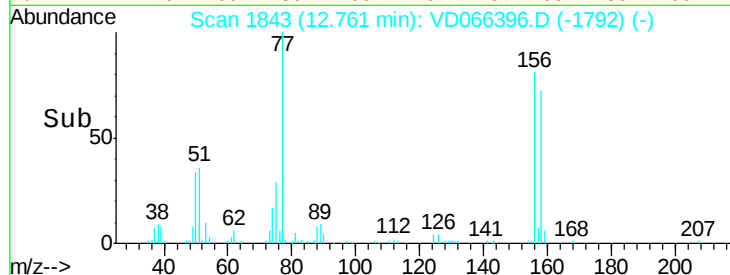
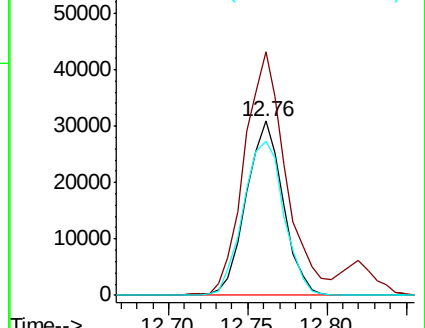
158 97.5 47.6 142.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.675 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066396.D

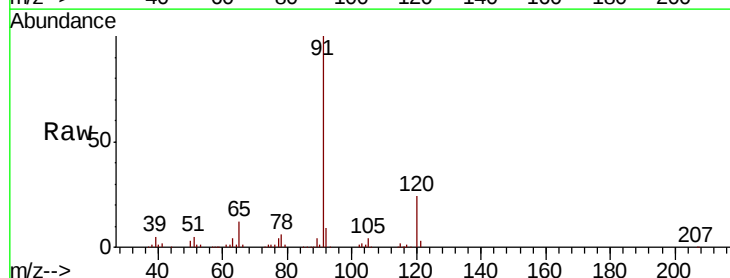
Acq: 25 Aug 2020 12:24

Tgt Ion: 91 Resp: 221801

Ion Ratio Lower Upper

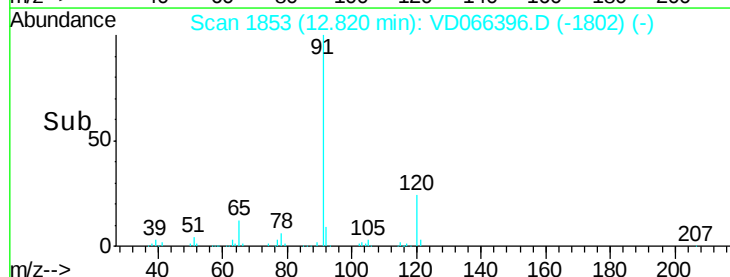
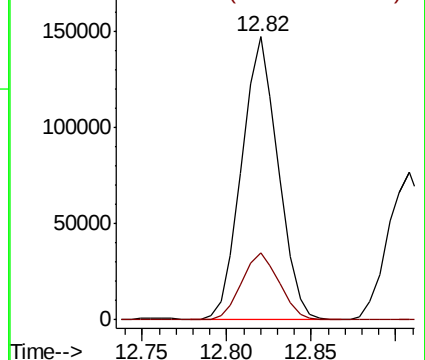
91 100

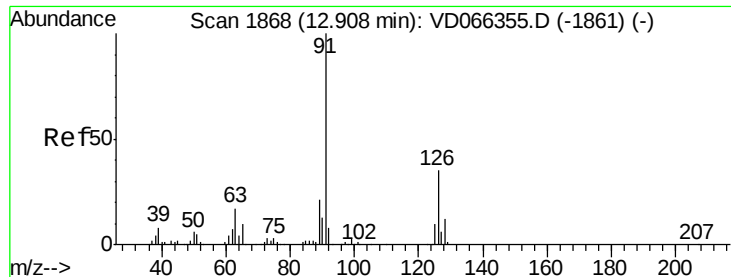
120 24.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.715 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

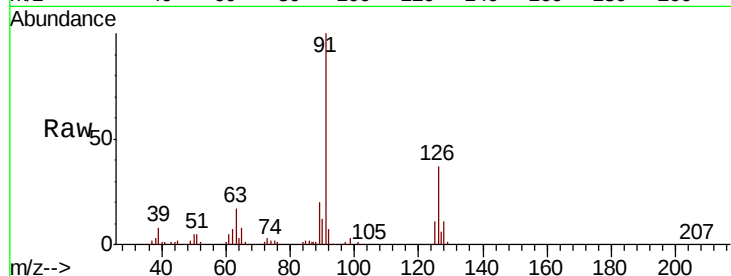
VD0825SBS01

Tot Ion: 91 Resp: 126935

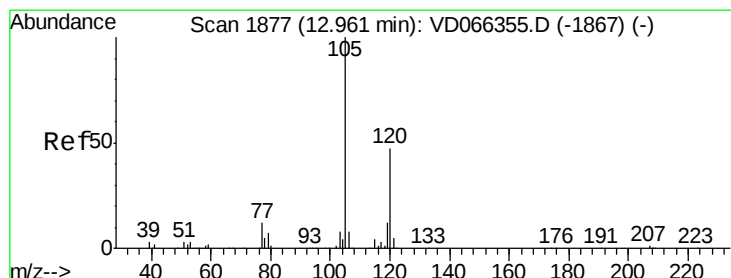
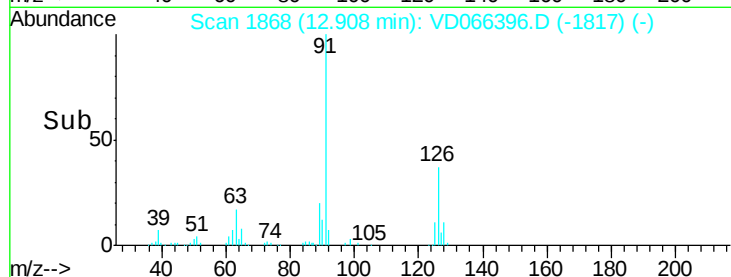
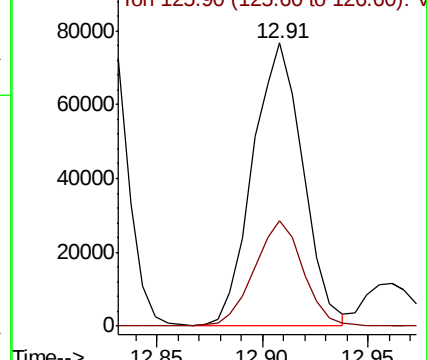
Ion Ratio Lower Upper

91 100

126 36.0 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 19.667 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066396.D

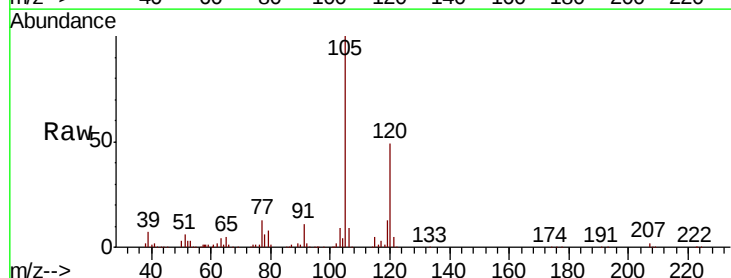
Acq: 25 Aug 2020 12:24

Tgt Ion:105 Resp: 166953

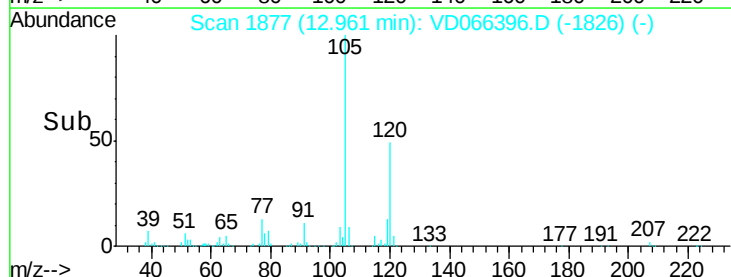
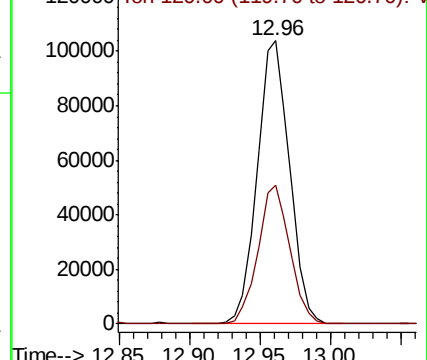
Ion Ratio Lower Upper

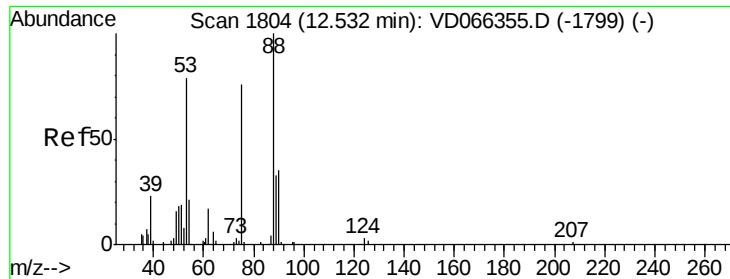
105 100

120 48.5 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.830 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD0825SBS01

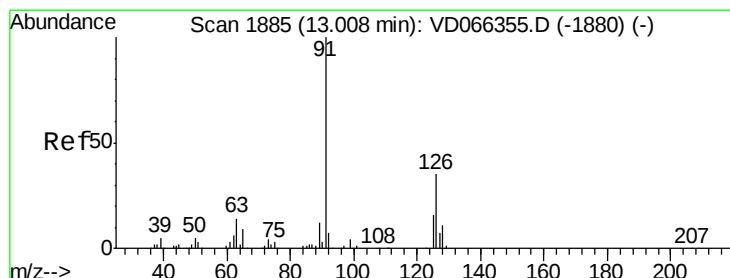
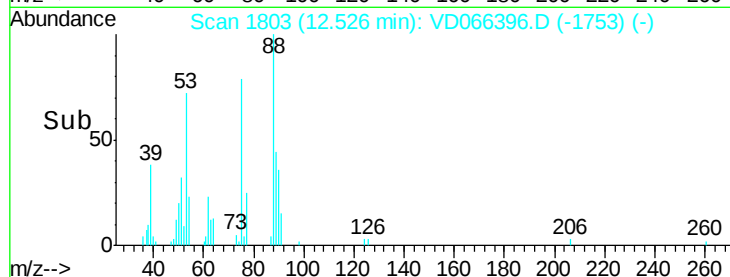
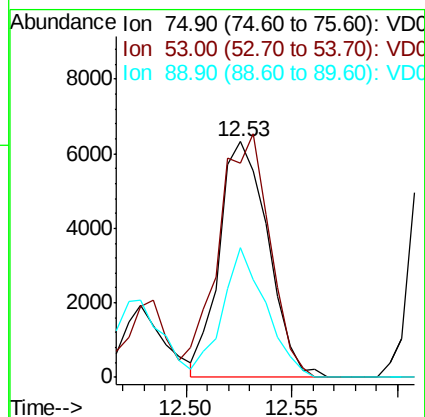
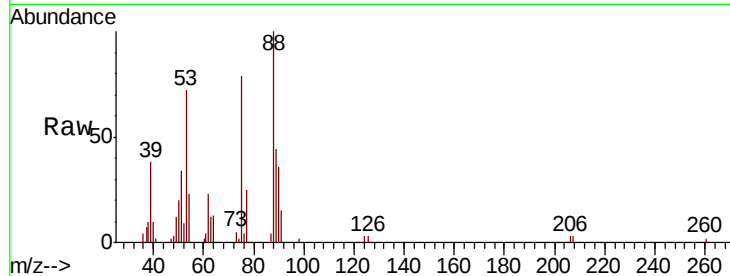
Tot Ion: 75 Resp: 10132

Ion Ratio Lower Upper

75 100

53 109.0 87.4 131.2

89 49.1 39.4 59.0



#82

4-Chlorotoluene

Concen: 20.195 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.01 min

Lab File: VD066396.D

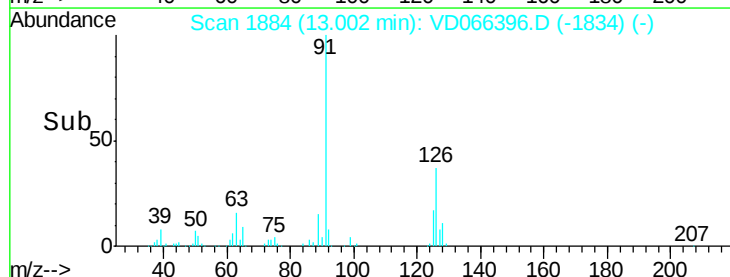
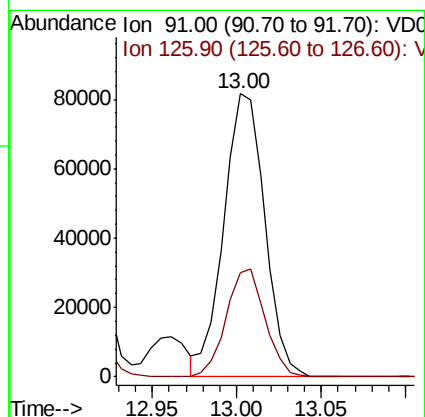
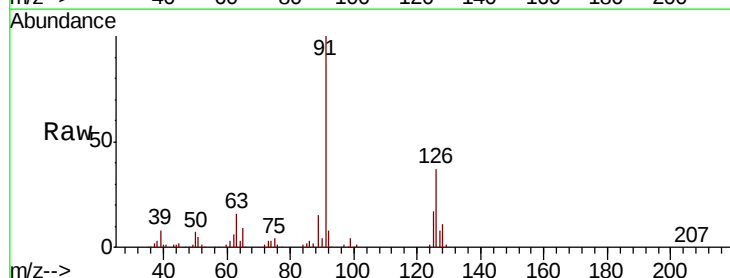
Acq: 25 Aug 2020 12:24

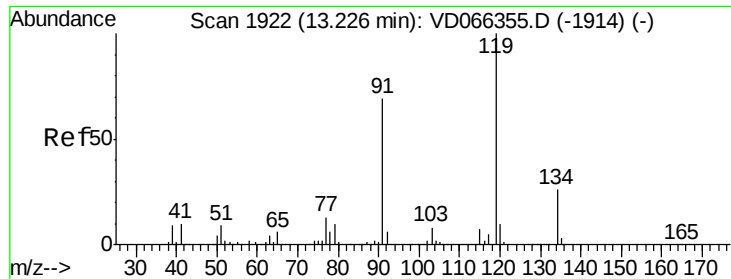
Tgt Ion: 91 Resp: 137758

Ion Ratio Lower Upper

91 100

126 36.1 17.4 52.2

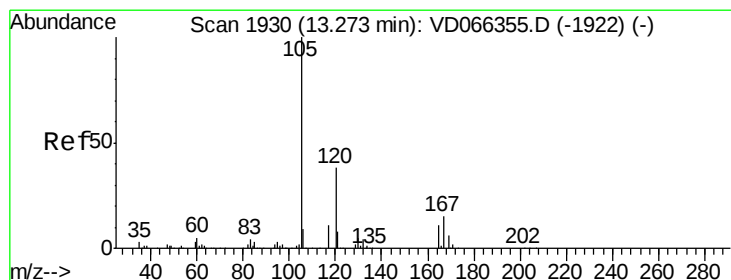
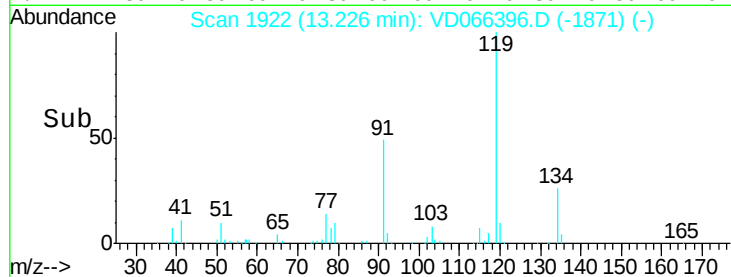
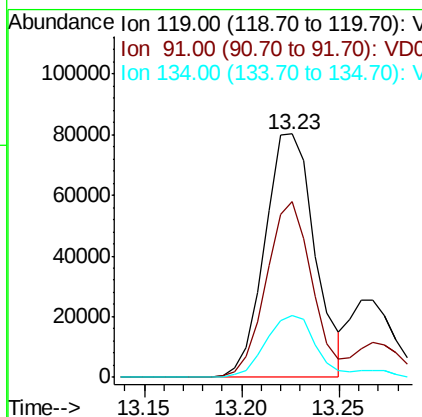
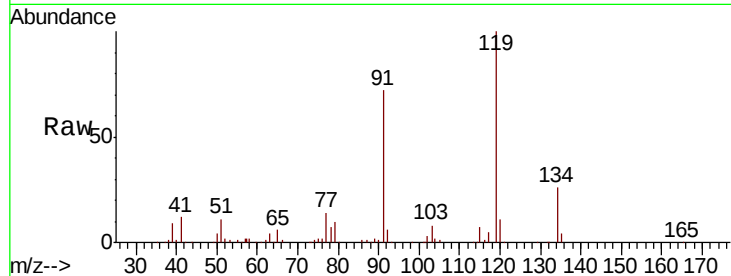




#83
tert-Butylbenzene
Concen: 19.336 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD066396.D
Acq: 25 Aug 2020 12:24

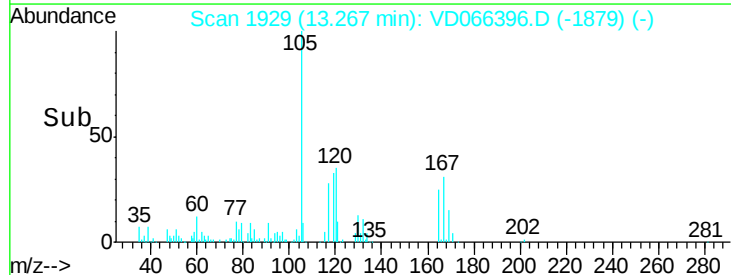
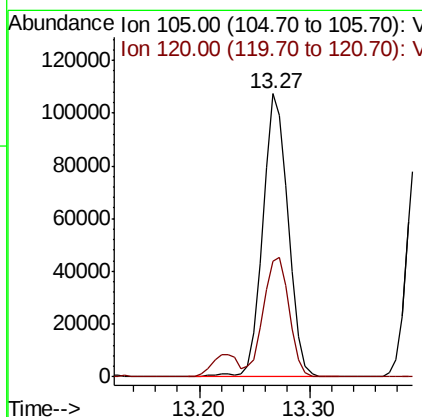
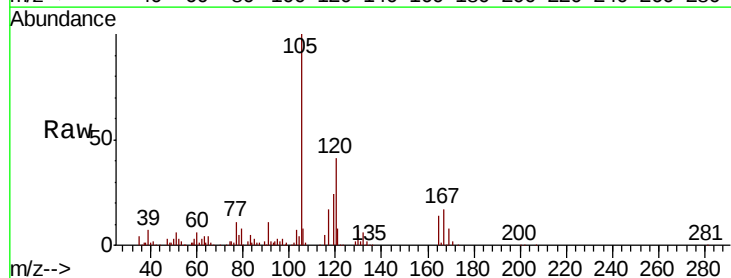
Instrument :
MSVOA_D
ClientSampleId :
VD0825SBS01

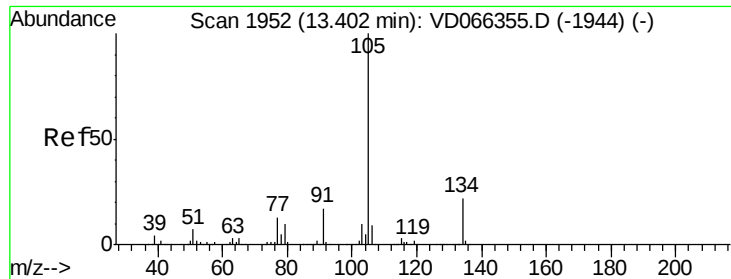
Tot Ion:119 Resp: 142568
Ion Ratio Lower Upper
119 100
91 65.8 33.5 100.5
134 25.3 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 20.685 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066396.D
Acq: 25 Aug 2020 12:24

Tgt Ion:105 Resp: 172468
Ion Ratio Lower Upper
105 100
120 43.5 22.6 67.7





#85

sec-Butylbenzene

Concen: 19.507 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

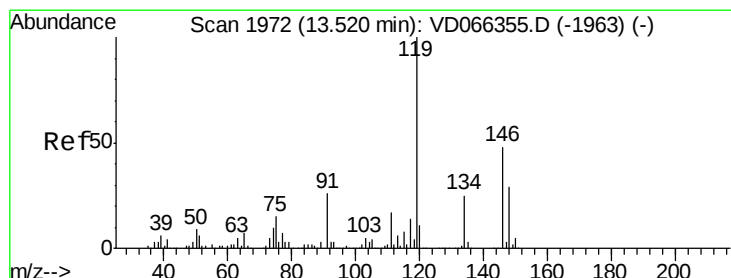
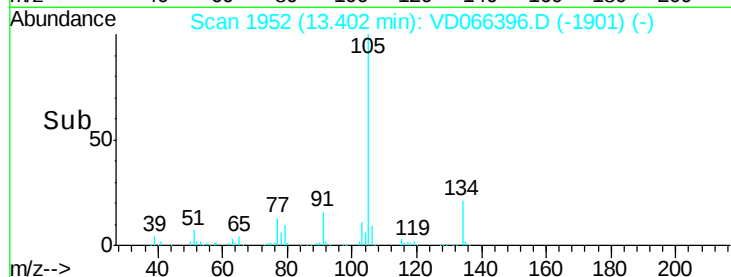
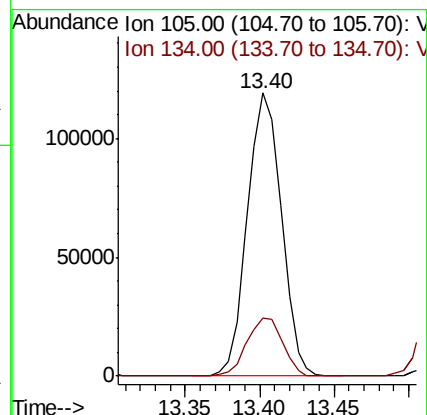
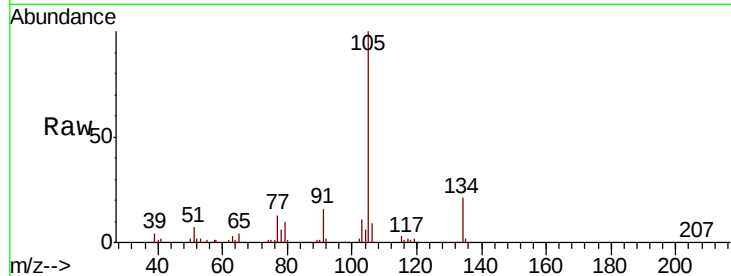
VD0825SBS01

Tot Ion:105 Resp: 188446

Ion Ratio Lower Upper

105 100

134 21.6 10.8 32.4



#86

p-Isopropyltoluene

Concen: 19.860 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

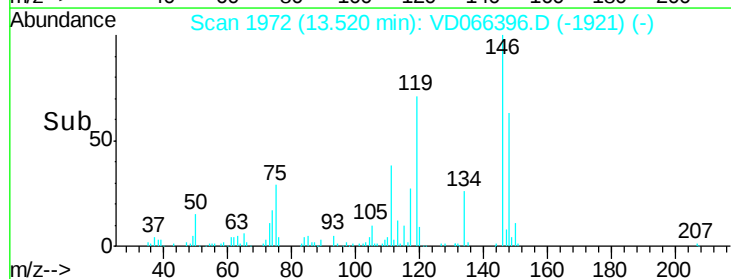
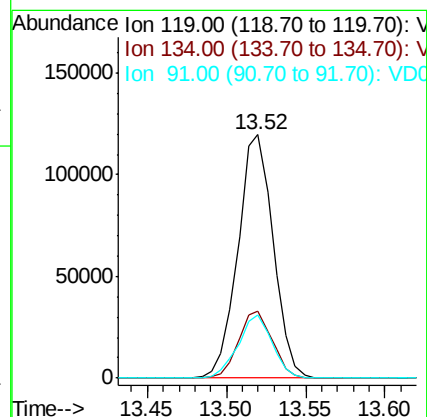
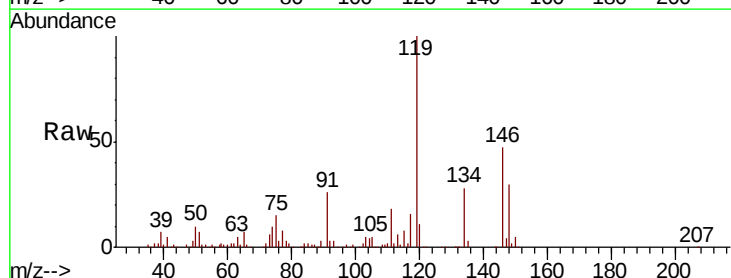
Tgt Ion:119 Resp: 184992

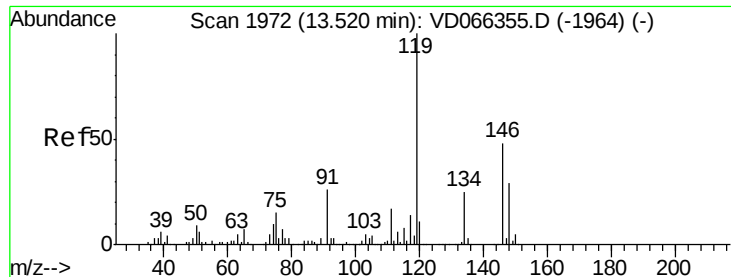
Ion Ratio Lower Upper

119 100

134 26.6 12.8 38.3

91 25.2 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 20.092 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD0825SBS01

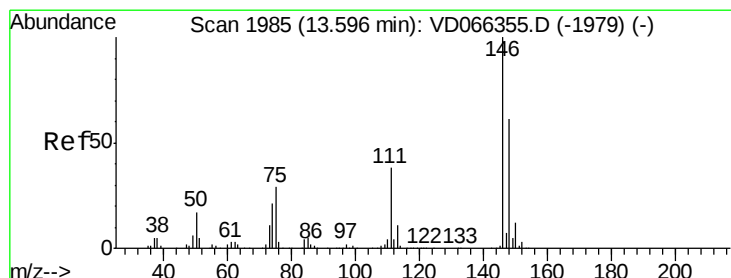
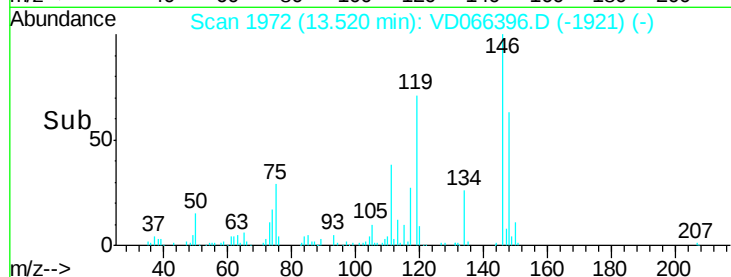
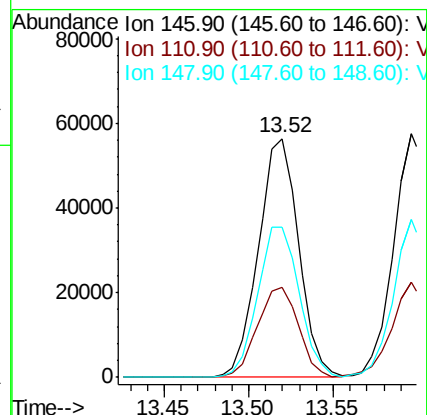
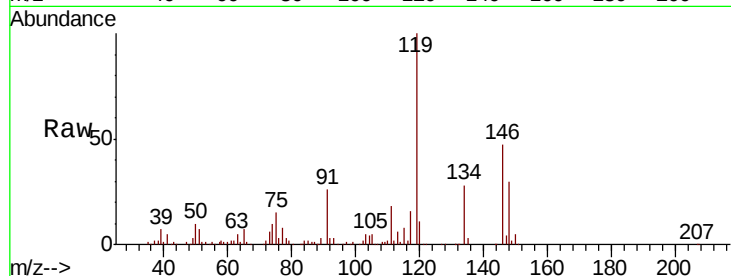
Tot Ion:146 Resp: 93591

Ion Ratio Lower Upper

146 100

111 38.5 18.9 56.9

148 65.1 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 20.093 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VD066396.D

Acq: 25 Aug 2020 12:24

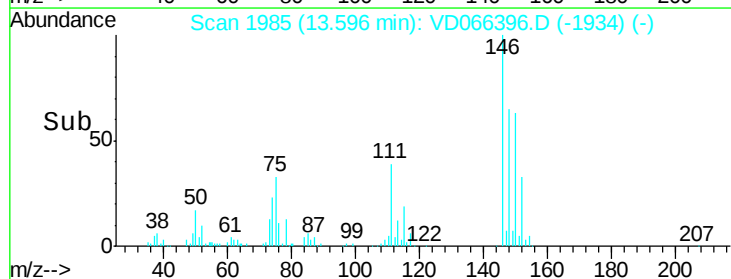
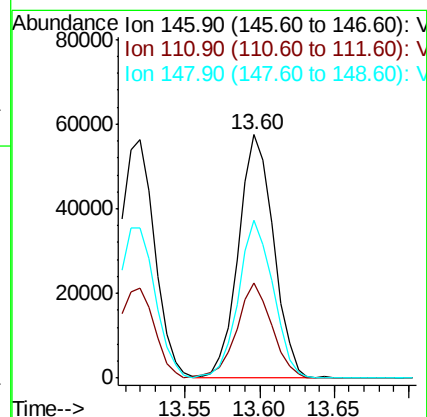
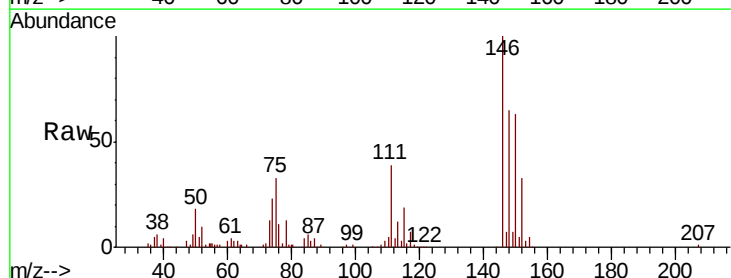
Tgt Ion:146 Resp: 93978

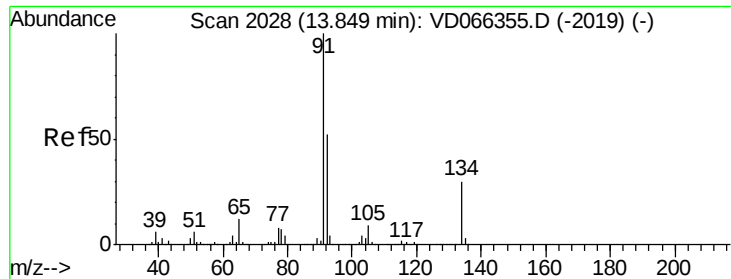
Ion Ratio Lower Upper

146 100

111 39.1 19.1 57.5

148 64.1 32.1 96.3

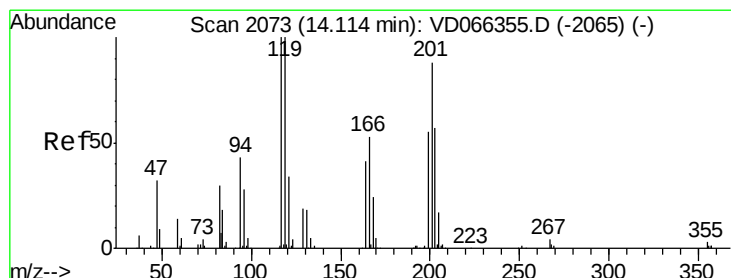
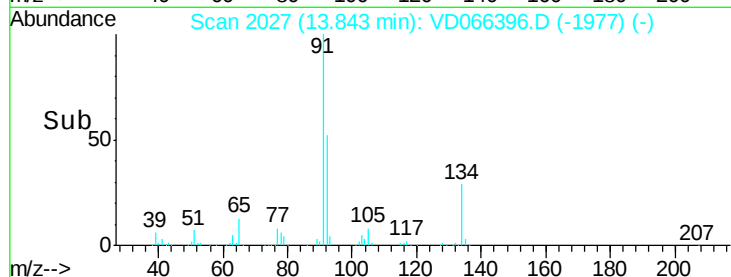
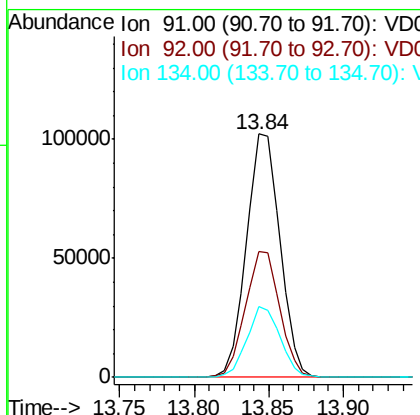
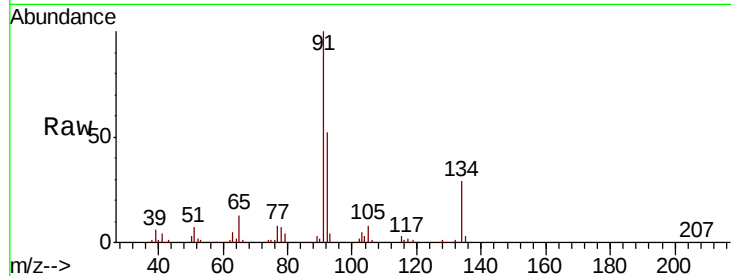




#89
n-Butylbenzene
Concen: 19.311 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066396.D
Acq: 25 Aug 2020 12:24

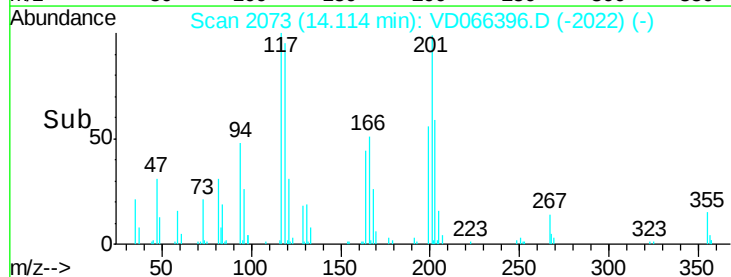
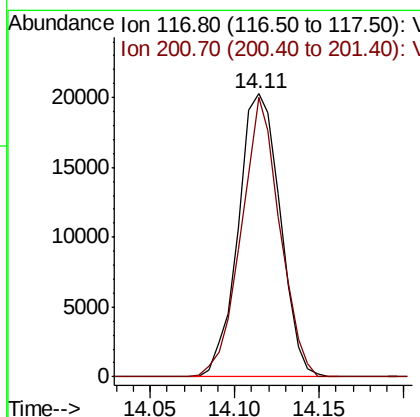
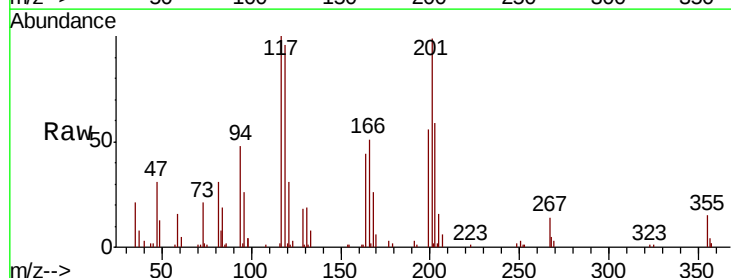
Instrument :
MSVOA_D
ClientSampleId :
VD0825SBS01

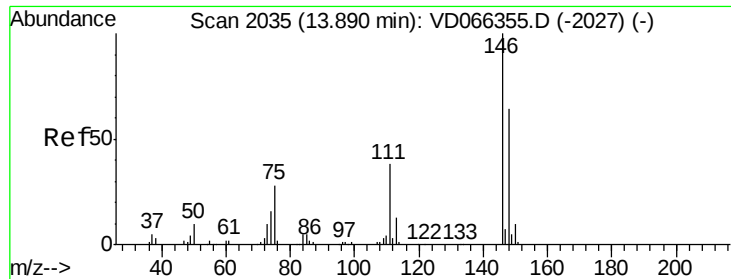
Tot Ion: 91 Resp: 158733
Ion Ratio Lower Upper
91 100
92 53.0 26.4 79.0
134 28.7 14.4 43.4



#90
Hexachloroethane
Concen: 19.013 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066396.D
Acq: 25 Aug 2020 12:24

Tgt Ion: 117 Resp: 34985
Ion Ratio Lower Upper
117 100
201 90.6 45.4 136.2

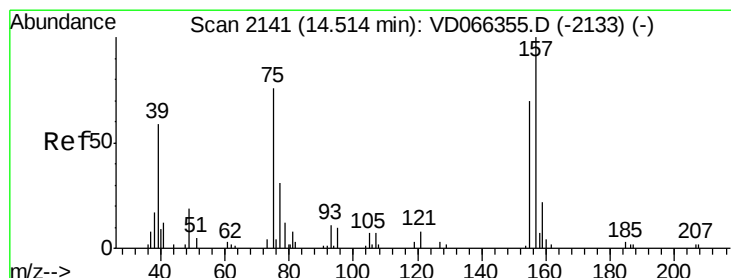
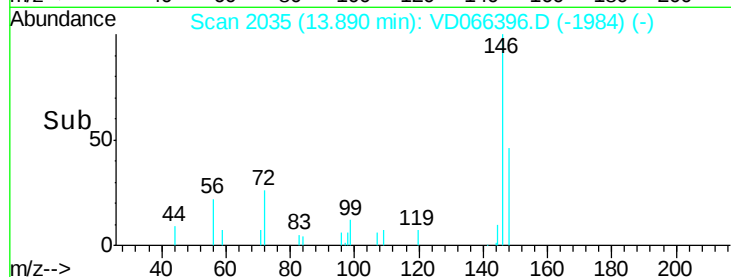
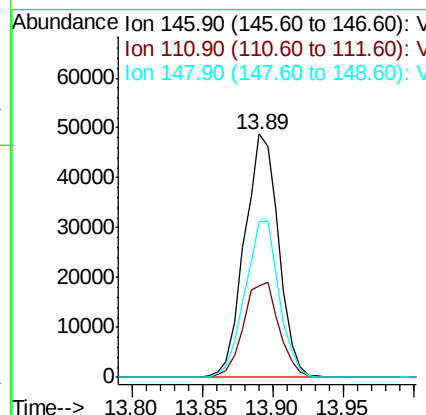
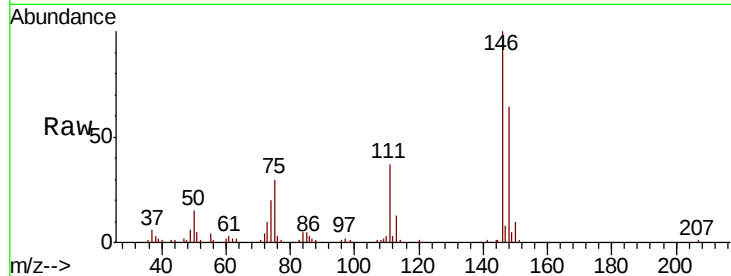




#91
 1,2-Dichlorobenzene
 Concen: 20.574 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066396.D
 Acq: 25 Aug 2020 12:24

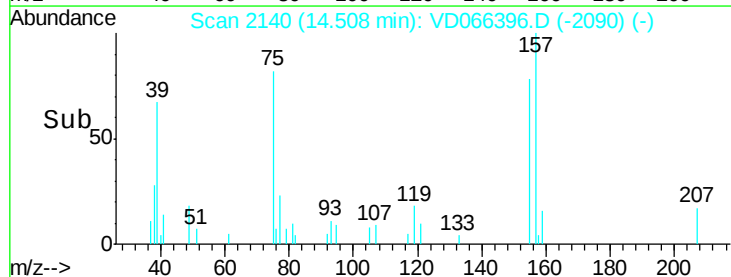
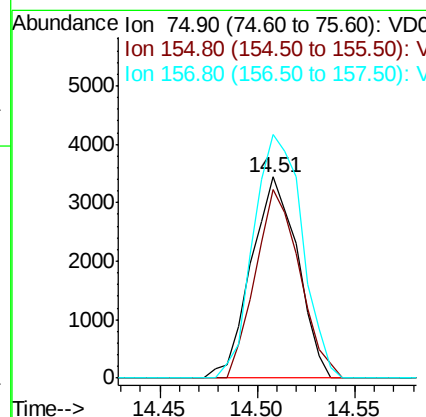
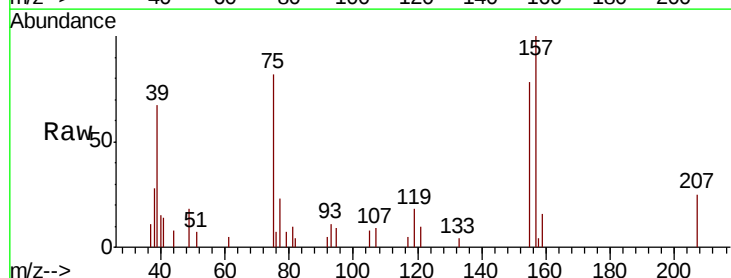
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0825SBS01

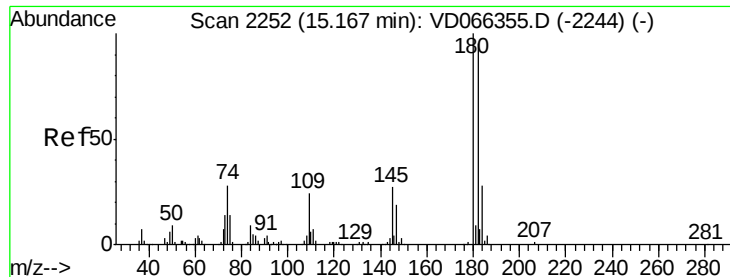
Tot Ion:146 Resp: 82501
 Ion Ratio Lower Upper
 146 100
 111 40.5 19.9 59.7
 148 64.2 32.6 97.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.187 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066396.D
 Acq: 25 Aug 2020 12:24

Tgt Ion: 75 Resp: 5652
 Ion Ratio Lower Upper
 75 100
 155 89.8 46.9 140.6
 157 127.5 61.0 183.0

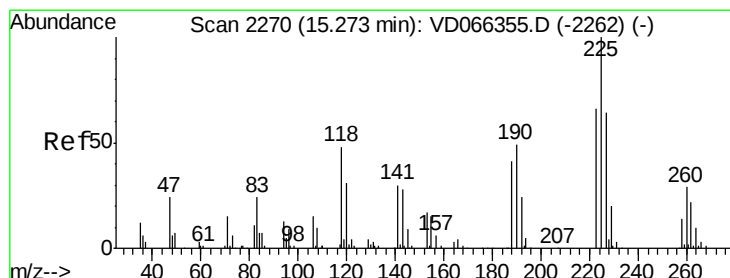
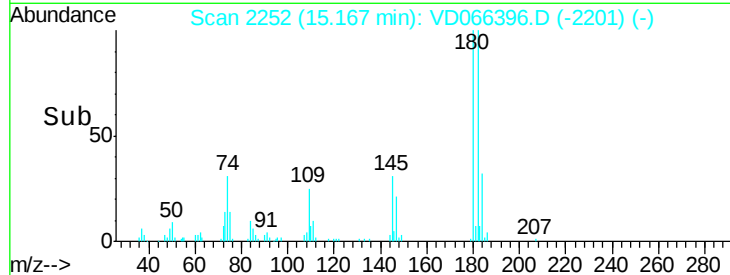
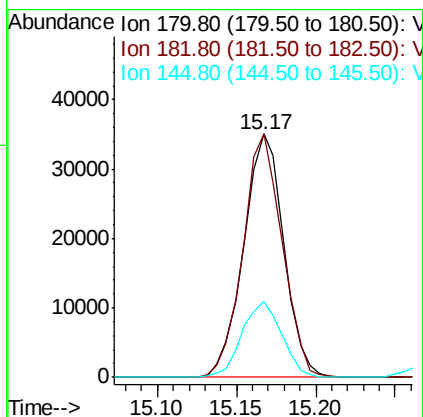
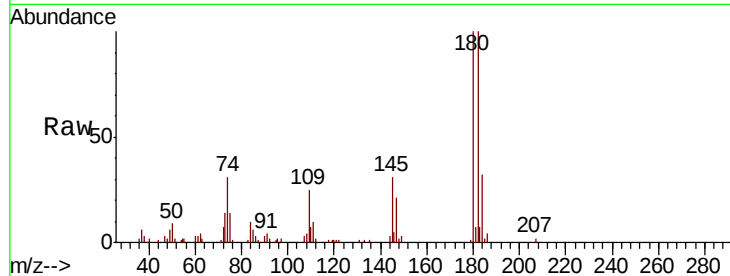




#93
 1,2,4-Trichlorobenzene
 Concen: 19.671 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066396.D
 Acq: 25 Aug 2020 12:24

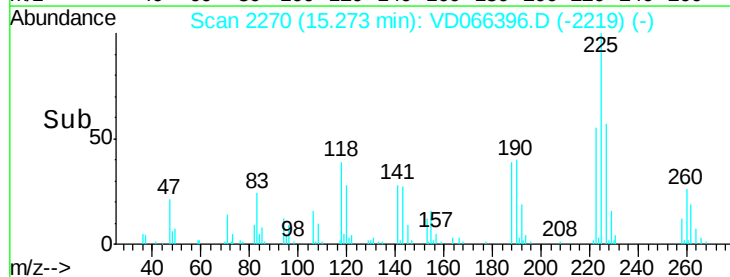
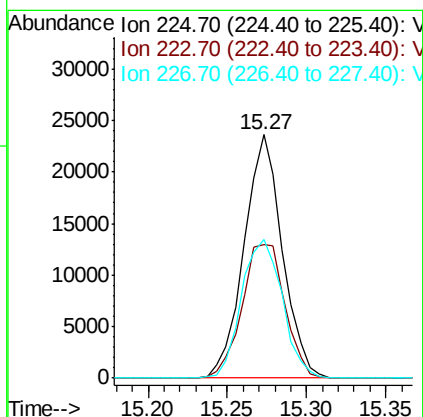
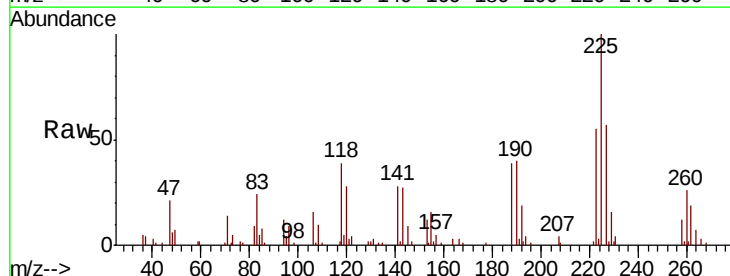
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0825SBS01

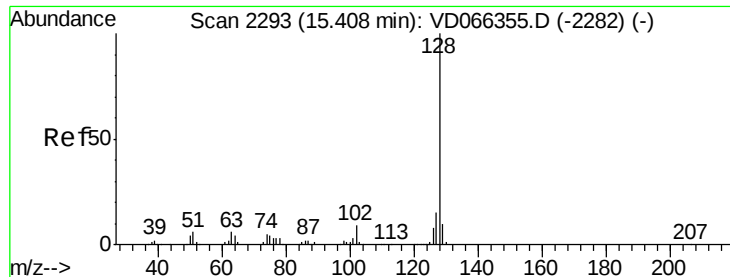
Tot Ion:180 Resp: 61581
 Ion Ratio Lower Upper
 180 100
 182 97.9 48.0 144.0
 145 30.8 15.2 45.6



#94
 Hexachlorobutadiene
 Concen: 20.324 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066396.D
 Acq: 25 Aug 2020 12:24

Tgt Ion:225 Resp: 39540
 Ion Ratio Lower Upper
 225 100
 223 61.7 32.5 97.4
 227 60.8 33.0 98.9

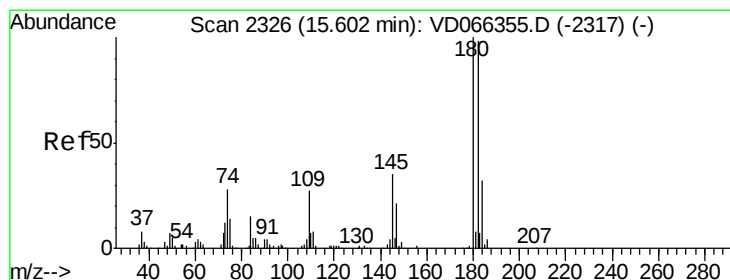
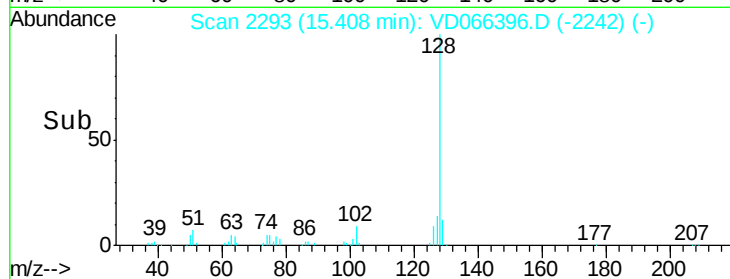
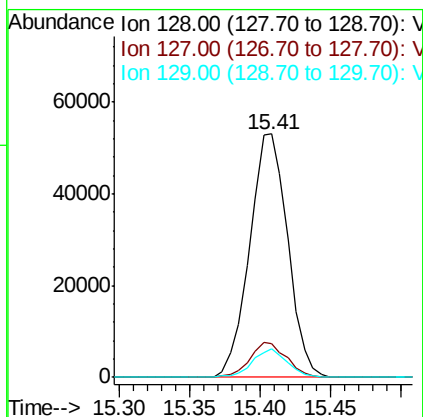
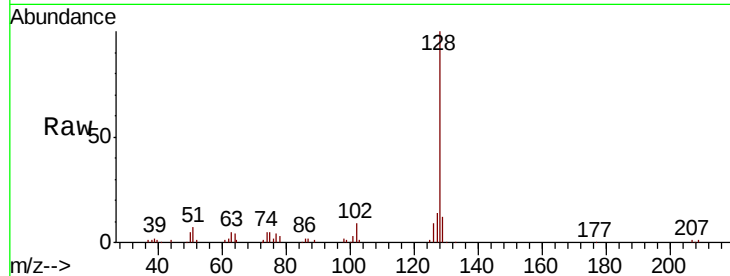




#95
Naphthalene
Concen: 20.490 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066396.D
Acq: 25 Aug 2020 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD0825SBS01

Tot Ion:128 Resp: 100747
Ion Ratio Lower Upper
128 100
127 13.7 10.7 16.1
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.689 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066396.D
Acq: 25 Aug 2020 12:24

Tgt Ion:180 Resp: 52801
Ion Ratio Lower Upper
180 100
182 99.7 46.7 140.0
145 34.2 16.0 48.0

