

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY020520\
 Data File : VY001502.D
 Acq On : 05 Feb 2020 13:07
 Operator : SY/MD
 Sample : VY0205SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0205SBS01

Quant Time: Feb 05 14:17:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	234147	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	411884	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	364803	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	168765	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.18	65	127280	53.99	ug/l	0.01
Spiked Amount	50.000		Recovery	=	107.98%	
35) Dibromofluoromethane	7.75	113	121331	51.08	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.16%	
50) Toluene-d8	10.20	98	487677	54.27	ug/l	0.01
Spiked Amount	50.000		Recovery	=	108.54%	
62) 4-Bromofluorobenzene	12.49	95	179366	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	43367	18.92	ug/l	96
3) Chloromethane	2.13	50	52119	21.76	ug/l	96
4) Vinyl Chloride	2.27	62	52979	21.30	ug/l	98
5) Bromomethane	2.66	94	32976	21.08	ug/l	96
6) Chloroethane	2.82	64	31576	21.06	ug/l	99
7) Trichlorofluoromethane	3.15	101	81279	19.74	ug/l	98
8) Diethyl Ether	3.56	74	29189	21.01	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.94	101	49858	20.13	ug/l	99
10) Methyl Iodide	4.12	142	59058	18.71	ug/l	99
11) Tert butyl alcohol	4.99	59	34317	110.59	ug/l #	85
12) 1,1-Dichloroethene	3.91	96	50569	20.54	ug/l	95
13) Acrolein	3.76	56	24034	107.66	ug/l	99
14) Allyl chloride	4.52	41	82094	21.80	ug/l	97
15) Acrylonitrile	5.21	53	67710	106.30	ug/l	99
16) Acetone	3.98	43	65426	95.94	ug/l	95
17) Carbon Disulfide	4.23	76	163667	20.88	ug/l	100
18) Methyl Acetate	4.52	43	32049	22.02	ug/l	98
19) Methyl tert-butyl Ether	5.26	73	135086	20.63	ug/l	99
20) Methylene Chloride	4.76	84	60905	19.97	ug/l	93
21) trans-1,2-Dichloroethene	5.26	96	56378	20.60	ug/l	98
22) Diisopropyl ether	6.16	45	163844	21.96	ug/l	94
23) Vinyl Acetate	6.10	43	498280	104.91	ug/l	97
24) 1,1-Dichloroethane	6.07	63	95128	21.20	ug/l	97
25) 2-Butanone	7.02	43	89878	101.59	ug/l	94
26) 2,2-Dichloropropane	7.02	77	87769	20.43	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	61855	20.69	ug/l	98
28) Bromochloromethane	7.37	49	31633	20.69	ug/l	94
29) Tetrahydrofuran	7.38	42	57497	108.43	ug/l	97
30) Chloroform	7.54	83	92151	20.27	ug/l	100
31) Cyclohexane	7.82	56	97949	21.34	ug/l	98
32) 1,1,1-Trichloroethane	7.74	97	82356	19.98	ug/l	99
36) 1,1-Dichloropropene	7.95	75	79442	21.08	ug/l	98
37) Ethyl Acetate	7.11	43	38609	21.17	ug/l	99
38) Carbon Tetrachloride	7.93	117	71576	19.63	ug/l	97

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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	9.21	83	102935	20.75	ug/l	97
40) Benzene	8.19	78	220208	20.49	ug/l	99
41) Methacrylonitrile	7.38	41	52848	62.51	ug/l #	1
42) 1,2-Dichloroethane	8.27	62	59646	19.92	ug/l	100
43) Isopropyl Acetate	8.30	43	75351	20.86	ug/l	99
44) Trichloroethene	8.96	130	57775	19.94	ug/l	98
45) 1,2-Dichloropropane	9.24	63	54927	21.16	ug/l	99
46) Dibromomethane	9.33	93	29676	20.36	ug/l	96
47) Bromodichloromethane	9.52	83	72453	20.41	ug/l	95
48) Methyl methacrylate	9.32	41	32616	19.90	ug/l	98
49) 1,4-Dioxane	9.32	88	7130	370.47	ug/l	95
51) 4-Methyl-2-Pentanone	10.09	43	188917	106.22	ug/l	99
52) Toluene	10.26	92	140452	20.60	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	77896	20.14	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	90470	20.38	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	42382	20.27	ug/l	97
56) Ethyl methacrylate	10.52	69	60971	20.50	ug/l	98
57) 1,3-Dichloropropane	10.80	76	74901	20.32	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	106440	97.29	ug/l	97
59) 2-Hexanone	10.85	43	135419	104.72	ug/l	100
60) Dibromochloromethane	11.00	129	47875	19.43	ug/l	99
61) 1,2-Dibromoethane	11.10	107	40923	19.87	ug/l	100
64) Tetrachloroethene	10.74	164	50517	21.12	ug/l	96
65) Chlorobenzene	11.53	112	143444	20.03	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	49975	19.93	ug/l	99
67) Ethyl Benzene	11.61	91	270226	20.40	ug/l	100
68) m/p-Xylenes	11.71	106	200728	40.37	ug/l	99
69) o-Xylene	12.04	106	97053	20.70	ug/l	100
70) Styrene	12.06	104	165825	20.46	ug/l	99
71) Bromoform	12.22	173	27005	19.35	ug/l #	99
73) Isopropylbenzene	12.34	105	259329	20.15	ug/l	100
74) N-amyl acetate	12.16	43	69039	20.64	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	50251	20.55	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	67833	37.38	ug/l #	100
77) Bromobenzene	12.62	156	55146	19.80	ug/l	95
78) n-propylbenzene	12.68	91	317130	20.58	ug/l	99
79) 2-Chlorotoluene	12.77	91	177323	20.19	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	218327	20.14	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	18995	20.25	ug/l	98
82) 4-Chlorotoluene	12.87	91	187283	20.34	ug/l	100
83) tert-Butylbenzene	13.09	119	185386	20.23	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	216679	20.20	ug/l	99
85) sec-Butylbenzene	13.27	105	265142	20.58	ug/l	100
86) p-Isopropyltoluene	13.38	119	231279	20.37	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	107966	20.22	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	107052	20.02	ug/l	98
89) n-Butylbenzene	13.70	91	232464	20.75	ug/l	99
90) Hexachloroethane	13.97	117	43858	20.13	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	97115	20.07	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	8810	19.51	ug/l	95

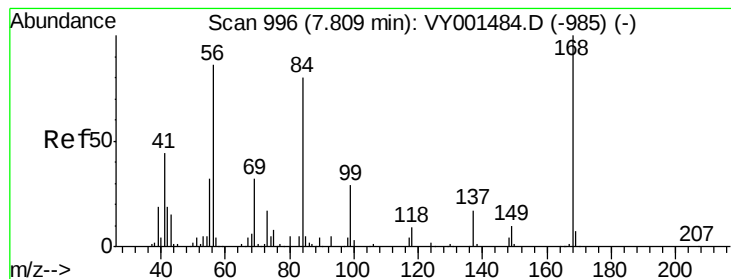
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY020520\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	63309	19.42	ug/l	99
94) Hexachlorobutadiene	15.12	225	32789	19.82	ug/l	98
95) Naphthalene	15.25	128	141374	18.45	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	54961	19.10	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

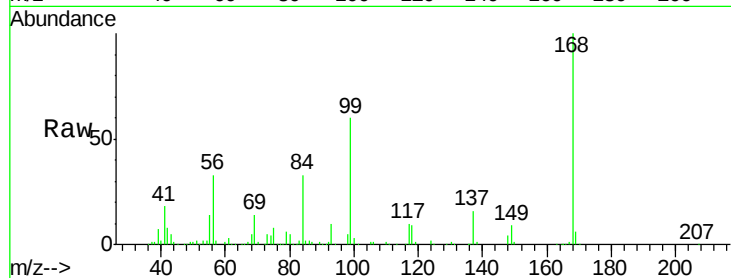
VY0205SBS01

Tgt Ion:168 Resp: 234147

Ion Ratio Lower Upper

168 100

99 59.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001484.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY001484.D (-985) (-)

7.82

120000

100000

80000

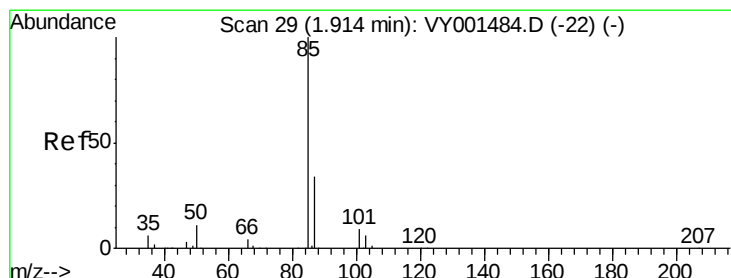
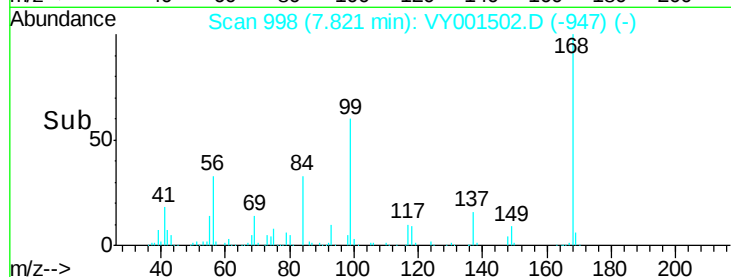
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.92 ug/l

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY001502.D

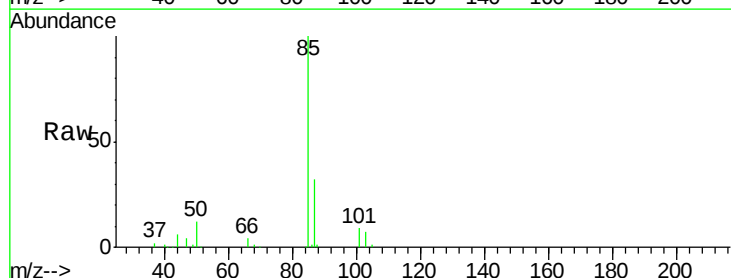
Acq: 05 Feb 2020 13:07

Tgt Ion: 85 Resp: 43367

Ion Ratio Lower Upper

85 100

87 31.7 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VY001484.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY001484.D (-22) (-)

1.92

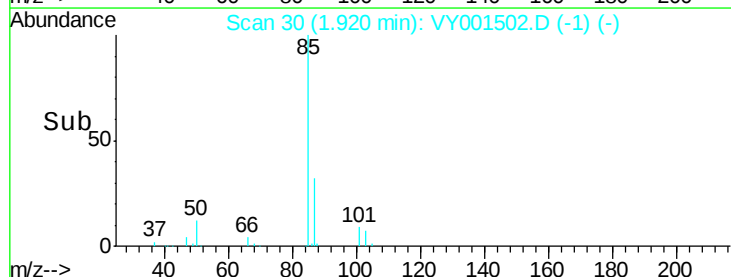
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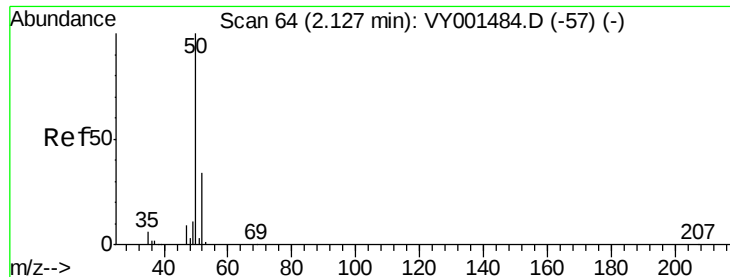
20000

10000

0

Time-->





#3

Chloromethane

Concen: 21.76 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

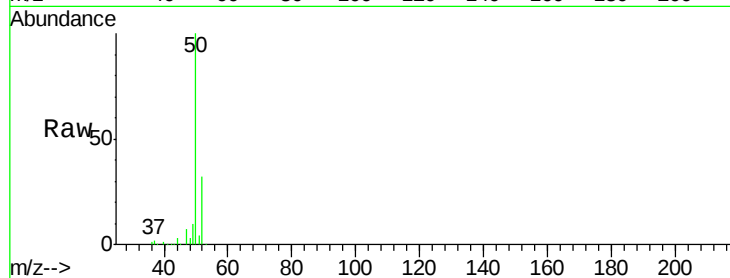
VY0205SBSD01

Tgt Ion: 50 Resp: 52119

Ion Ratio Lower Upper

50 100

52 31.7 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.13

40000

30000

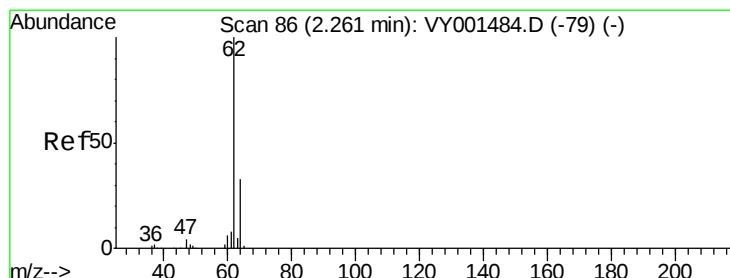
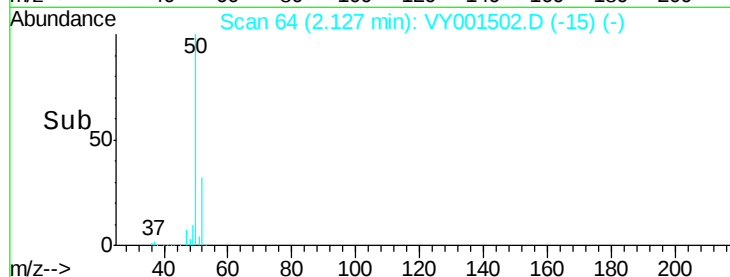
20000

10000

0

Time-->

2.05 2.10 2.15 2.20 2.25



#4

Vinyl Chloride

Concen: 21.30 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY001502.D

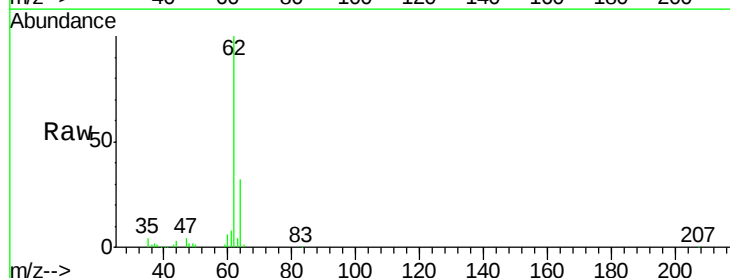
Acq: 05 Feb 2020 13:07

Tgt Ion: 62 Resp: 52979

Ion Ratio Lower Upper

62 100

64 31.9 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.27

30000

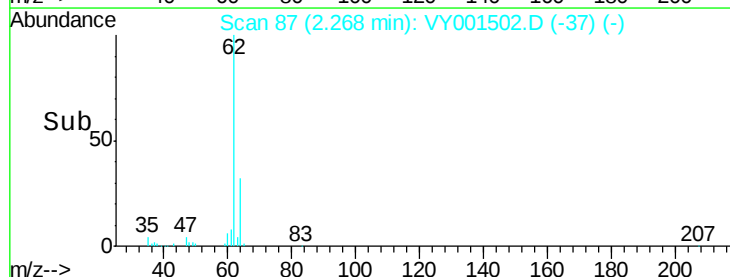
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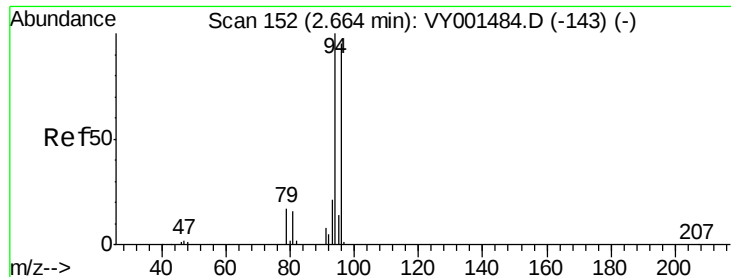
10000

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Time-->

2.20 2.30 2.40





#5

Bromomethane

Concen: 21.08 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

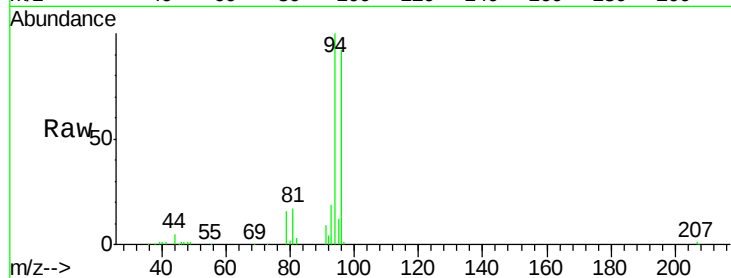
VY0205SBSD01

Tgt Ion: 94 Resp: 32976

Ion Ratio Lower Upper

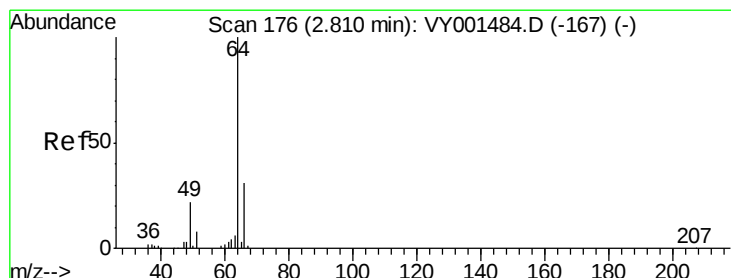
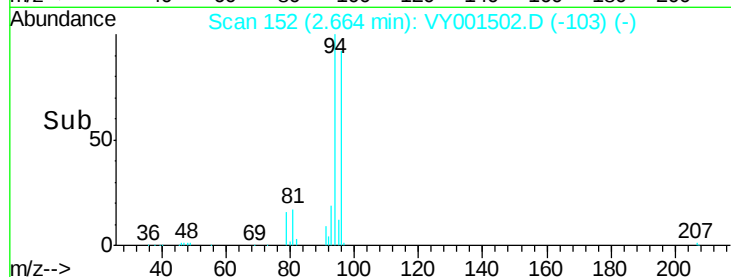
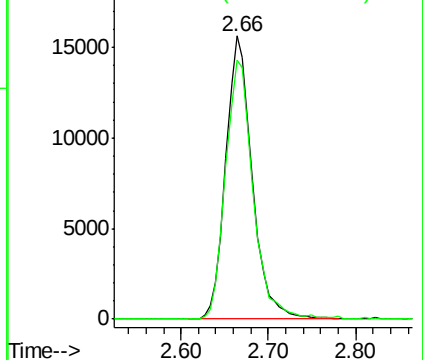
94 100

96 91.6 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 21.06 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY001502.D

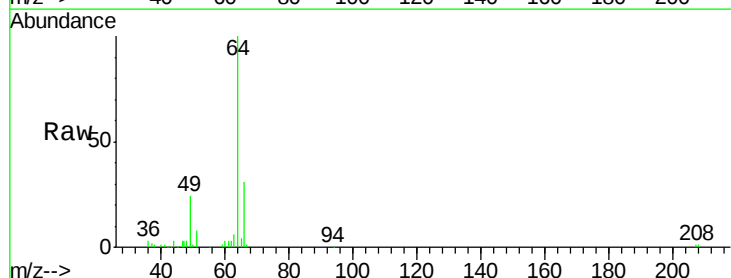
Acq: 05 Feb 2020 13:07

Tgt Ion: 64 Resp: 31576

Ion Ratio Lower Upper

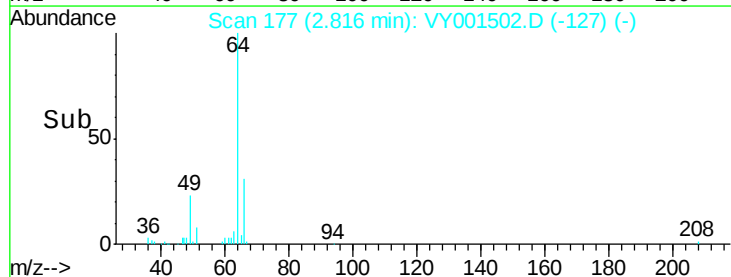
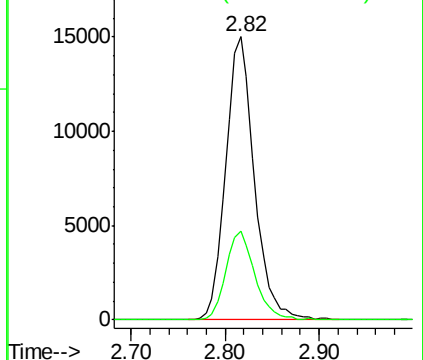
64 100

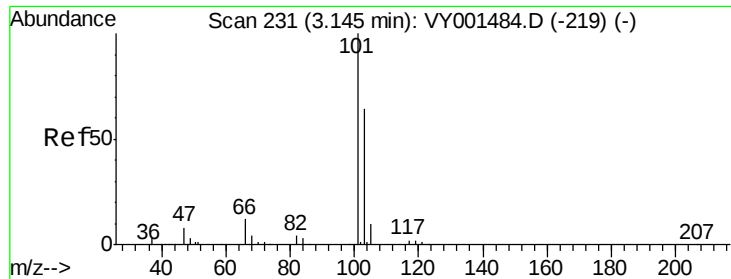
66 31.4 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



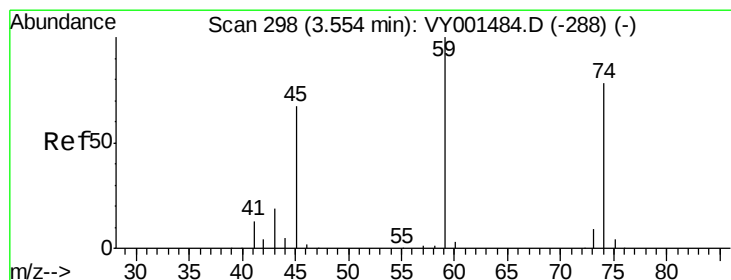
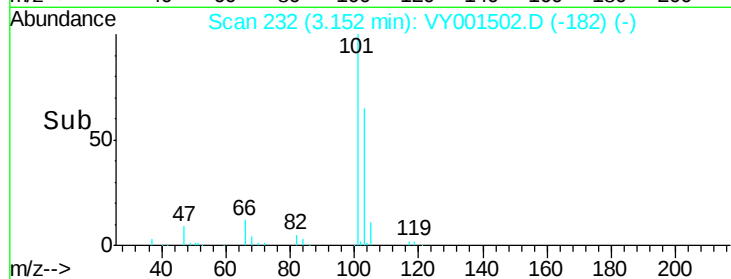
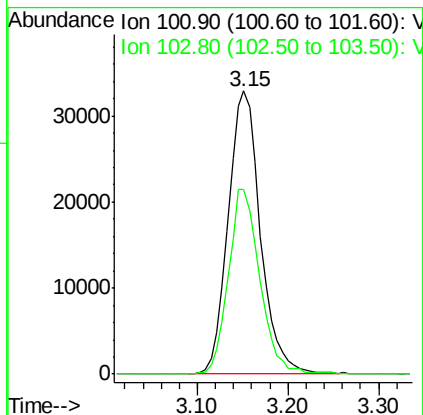
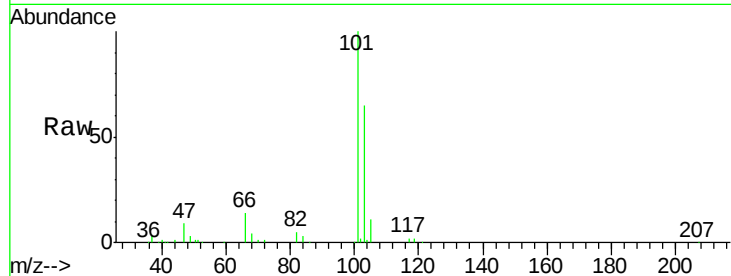


#7

Trichlorofluoromethane
 Concen: 19.74 ug/l
 RT: 3.15 min Scan# 232
 Delta R.T. 0.01 min
 Lab File: VY001502.D
 Acq: 05 Feb 2020 13:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0205SBS01

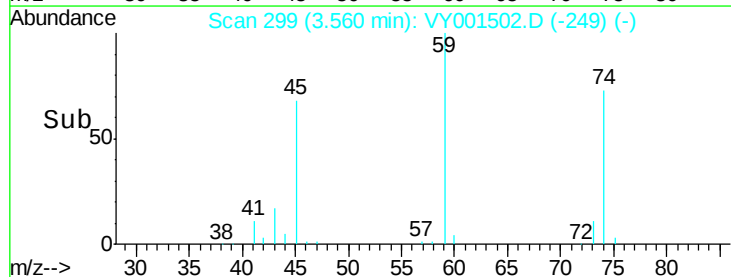
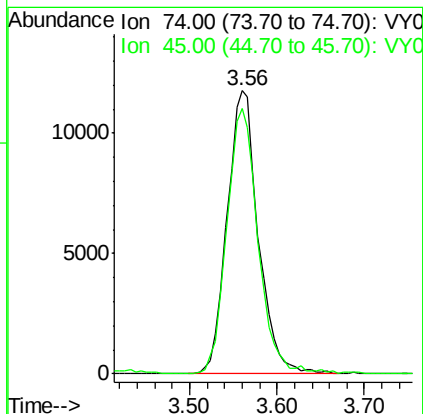
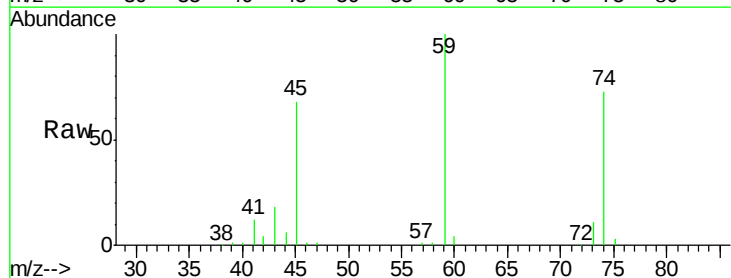
Tgt Ion:101 Resp: 81279
 Ion Ratio Lower Upper
 101 100
 103 65.5 50.9 76.3

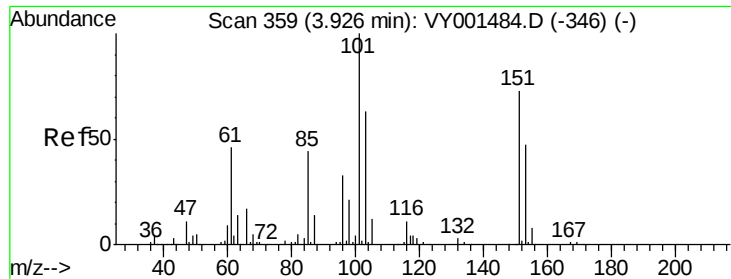


#8

Diethyl Ether
 Concen: 21.01 ug/l
 RT: 3.56 min Scan# 299
 Delta R.T. 0.01 min
 Lab File: VY001502.D
 Acq: 05 Feb 2020 13:07

Tgt Ion: 74 Resp: 29189
 Ion Ratio Lower Upper
 74 100
 45 93.3 44.5 133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.13 ug/l

RT: 3.94 min Scan# 361

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0205SBS01

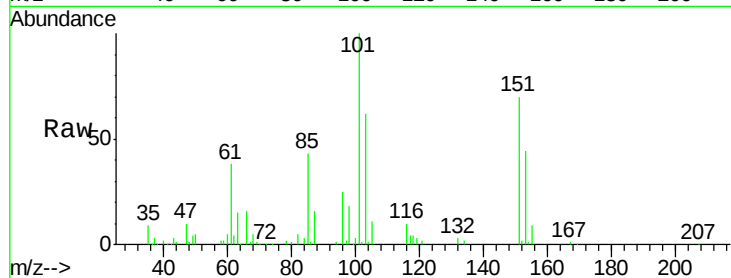
Tgt Ion:101 Resp: 49858

Ion Ratio Lower Upper

101 100

85 43.5 34.6 51.8

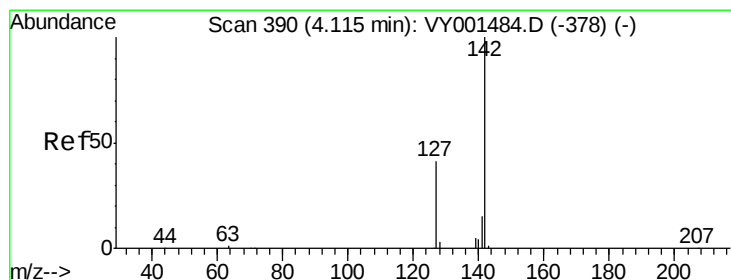
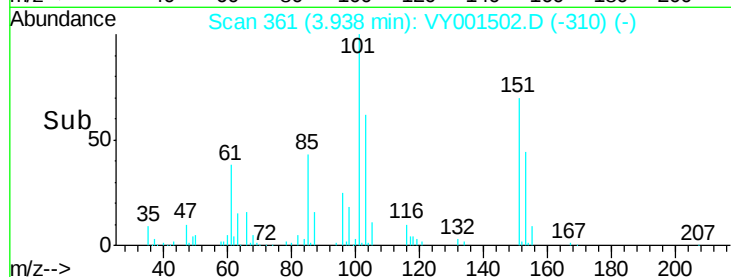
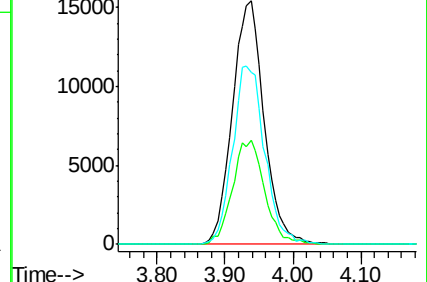
151 74.1 60.3 90.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.71 ug/l

RT: 4.12 min Scan# 391

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

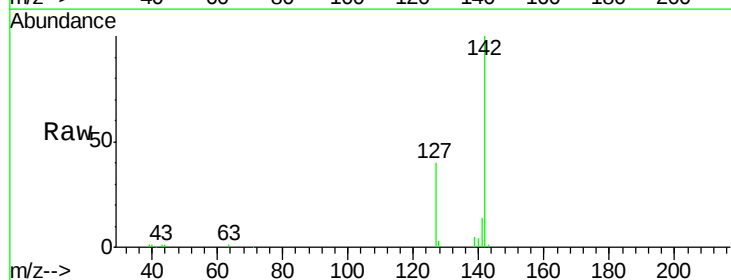
Tgt Ion:142 Resp: 59058

Ion Ratio Lower Upper

142 100

127 40.6 33.3 49.9

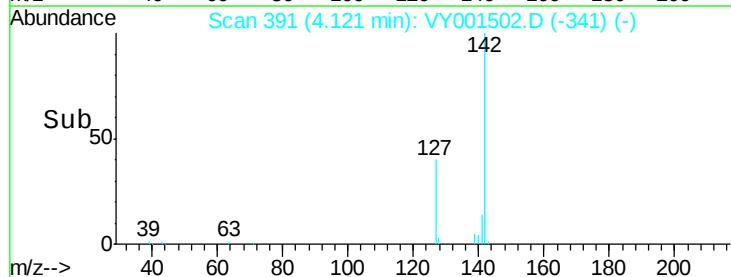
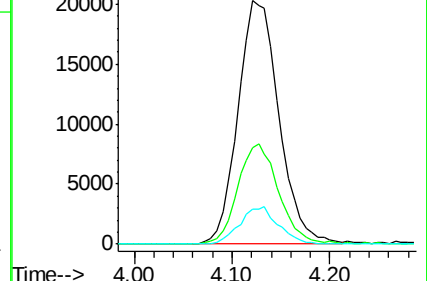
141 14.2 11.5 17.3

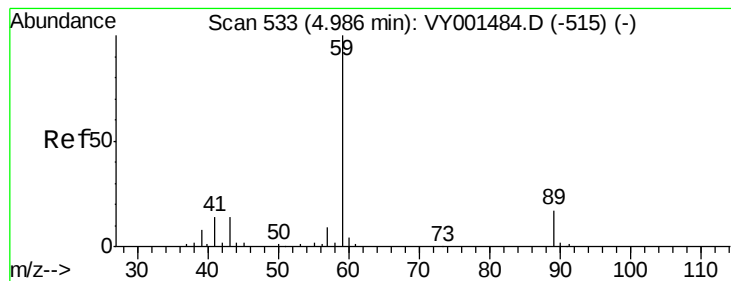


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



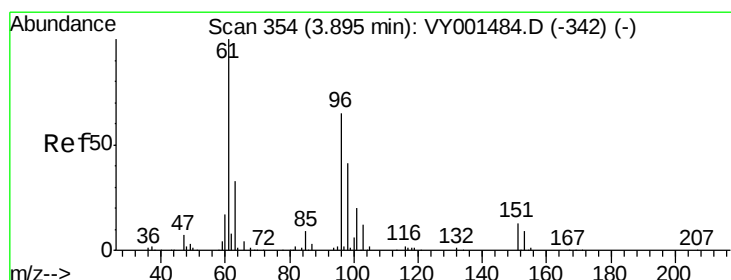
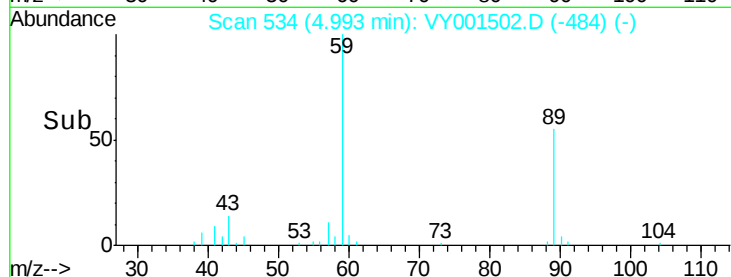
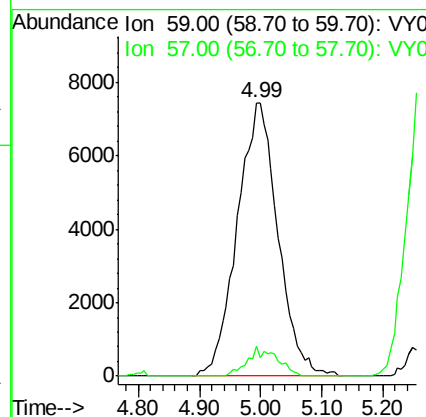
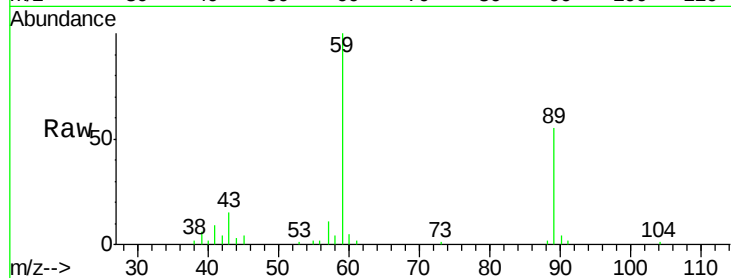


#11

Tert butyl alcohol
 Concen: 110.59 ug/l
 RT: 4.99 min Scan# 534
 Delta R.T. 0.01 min
 Lab File: VY001502.D
 Acq: 05 Feb 2020 13:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0205SBSD01

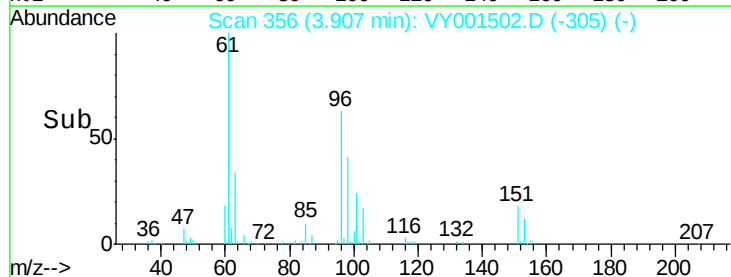
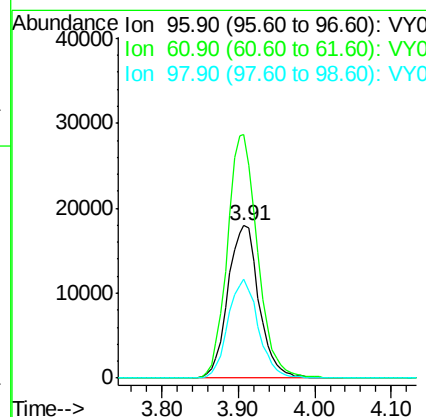
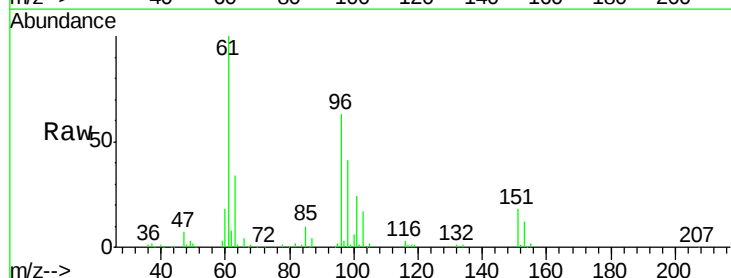
Tgt Ion: 59 Resp: 34317
 Ion Ratio Lower Upper
 59 100
 57 3.5 7.0 10.6#

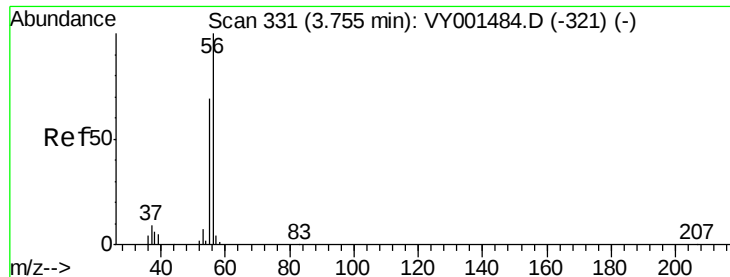


#12

1,1-Dichloroethene
 Concen: 20.54 ug/l
 RT: 3.91 min Scan# 356
 Delta R.T. 0.01 min
 Lab File: VY001502.D
 Acq: 05 Feb 2020 13:07

Tgt Ion: 96 Resp: 50569
 Ion Ratio Lower Upper
 96 100
 61 159.6 122.3 183.5
 98 64.9 49.7 74.5





#13

Acrolein

Concen: 107.66 ug/l

RT: 3.76 min Scan# 332

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

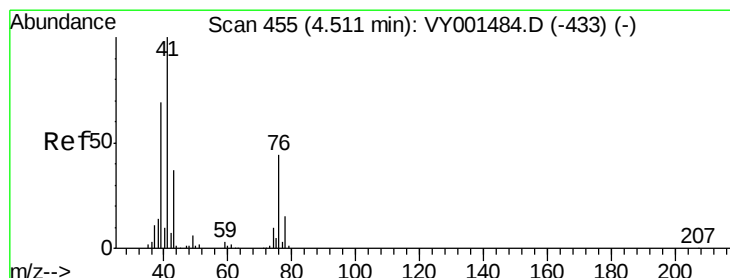
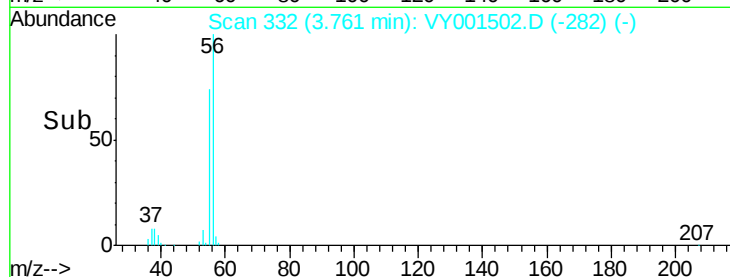
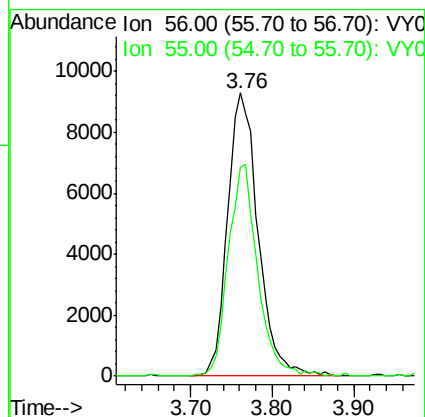
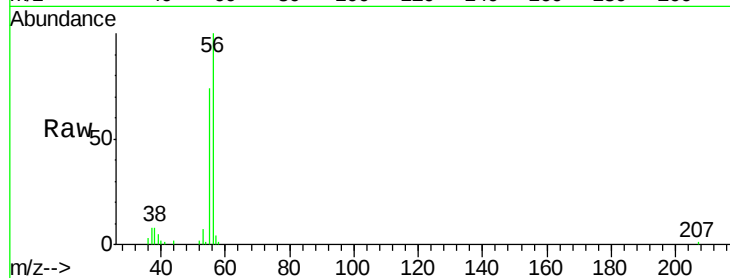
VY0205SBS01

Tgt Ion: 56 Resp: 24034

Ion Ratio Lower Upper

56 100

55 71.2 56.2 84.4



#14

Allyl chloride

Concen: 21.80 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

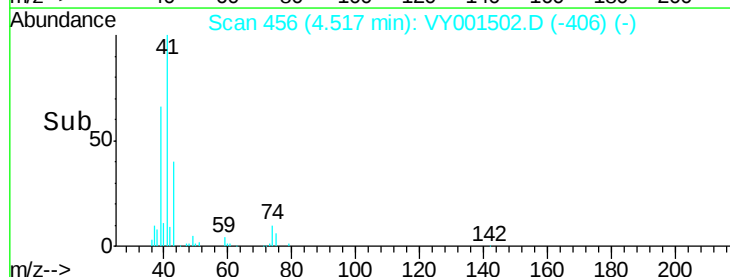
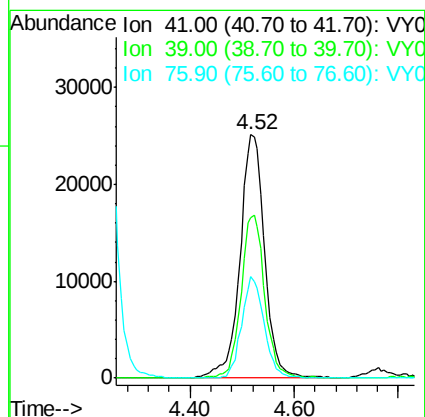
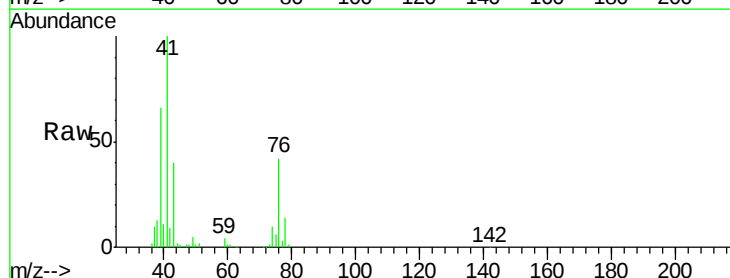
Tgt Ion: 41 Resp: 82094

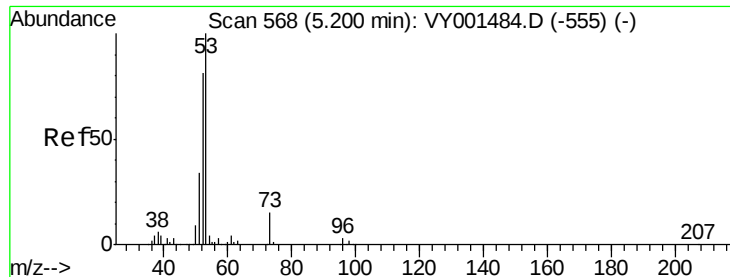
Ion Ratio Lower Upper

41 100

39 64.2 53.0 79.6

76 37.7 32.6 48.8





#15

Acrylonitrile

Concen: 106.30 ug/l

RT: 5.21 min Scan# 570

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0205SBSD01

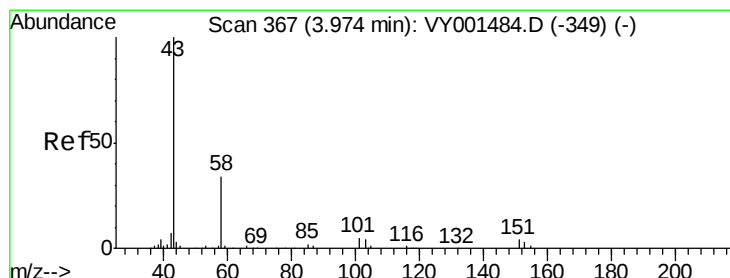
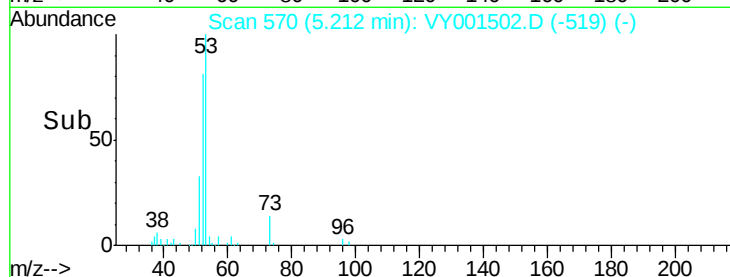
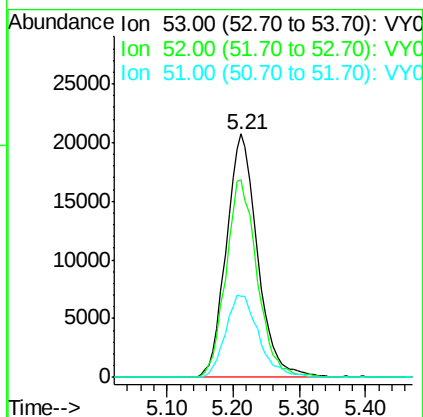
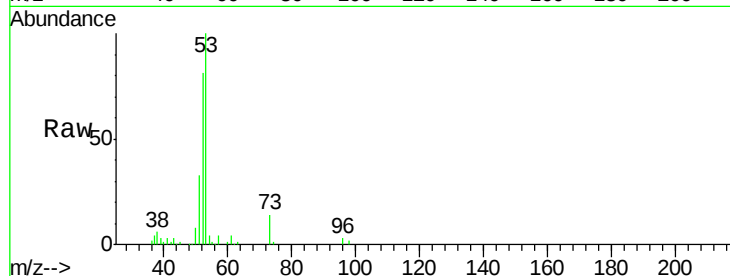
Tgt Ion: 53 Resp: 67710

Ion Ratio Lower Upper

53 100

52 81.2 65.4 98.2

51 35.9 29.0 43.4



#16

Acetone

Concen: 95.94 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001502.D

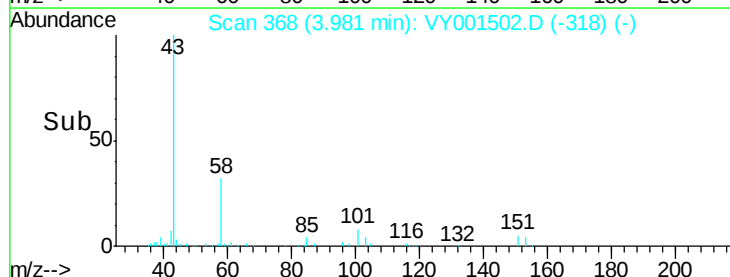
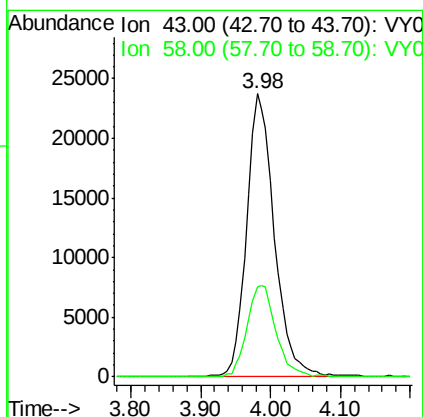
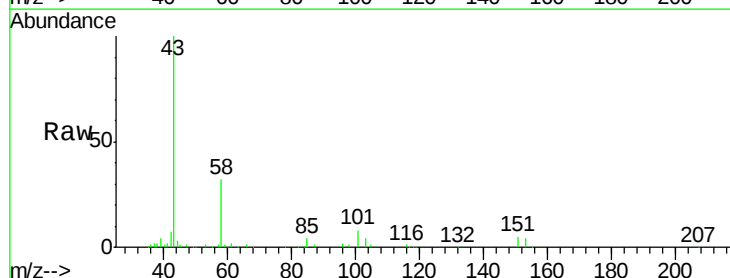
Acq: 05 Feb 2020 13:07

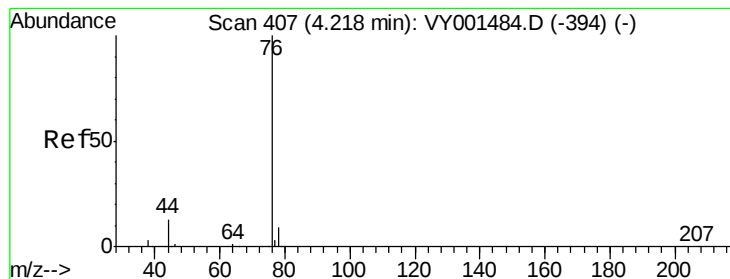
Tgt Ion: 43 Resp: 65426

Ion Ratio Lower Upper

43 100

58 31.8 27.5 41.3





#17

Carbon Disulfide

Concen: 20.88 ug/l

RT: 4.23 min Scan# 409

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

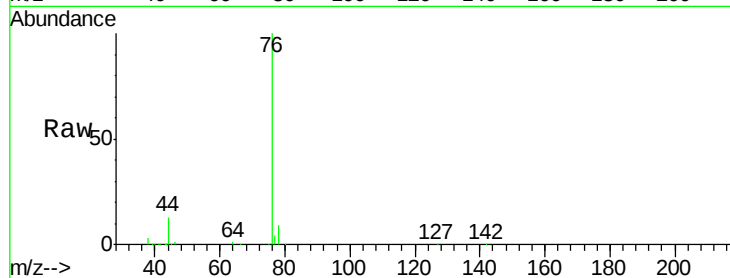
VY0205SBSD01

Tgt Ion: 76 Resp: 163667

Ion Ratio Lower Upper

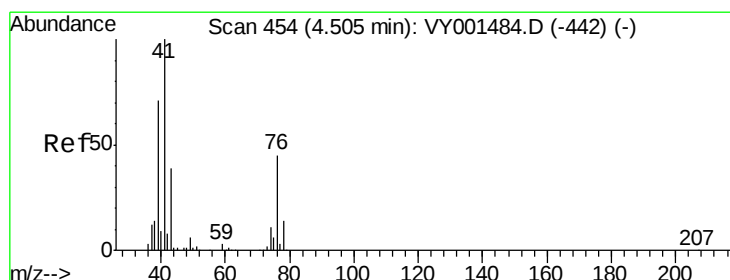
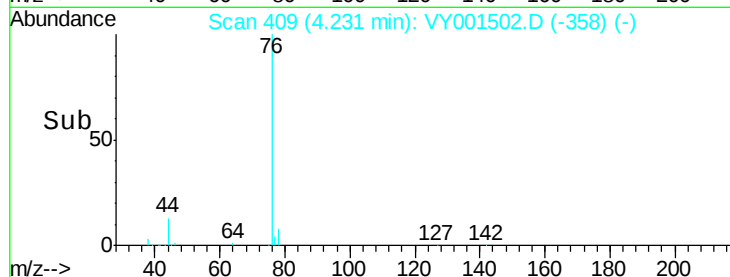
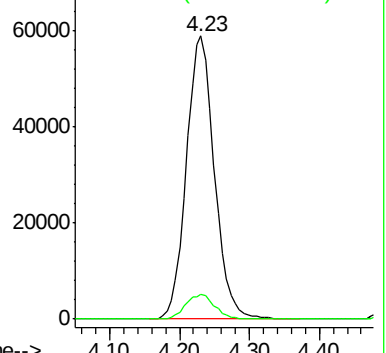
76 100

78 8.8 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 22.02 ug/l

RT: 4.52 min Scan# 456

Delta R.T. 0.01 min

Lab File: VY001502.D

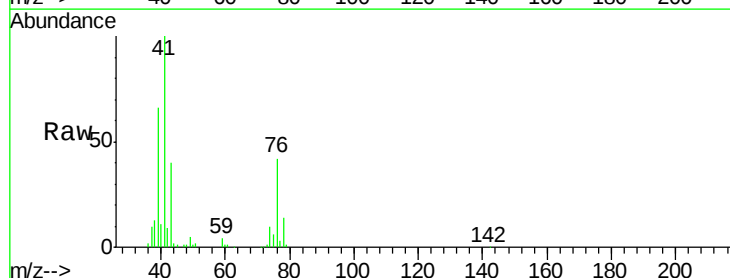
Acq: 05 Feb 2020 13:07

Tgt Ion: 43 Resp: 32049

Ion Ratio Lower Upper

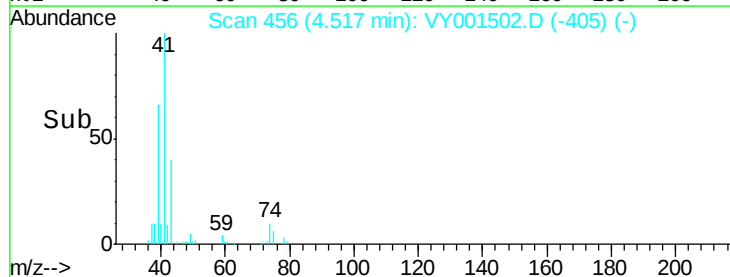
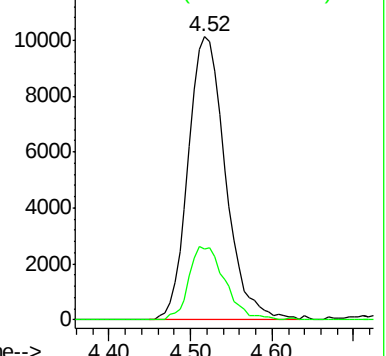
43 100

74 25.1 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

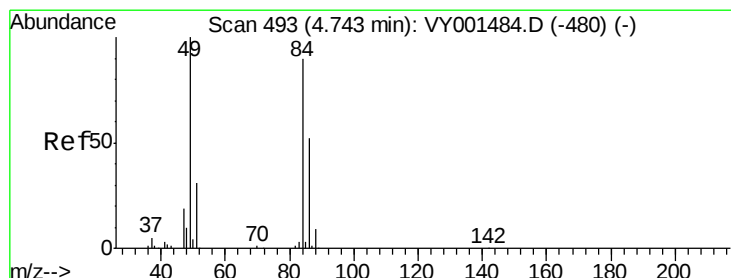
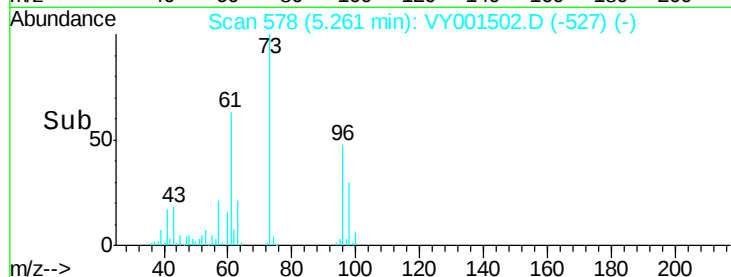
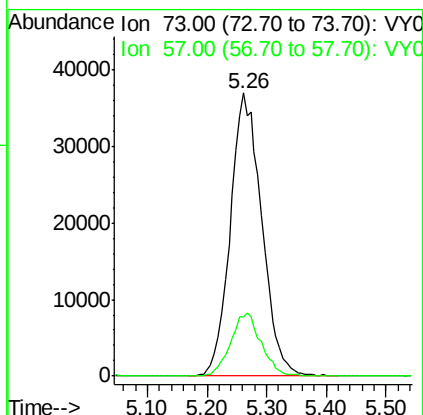
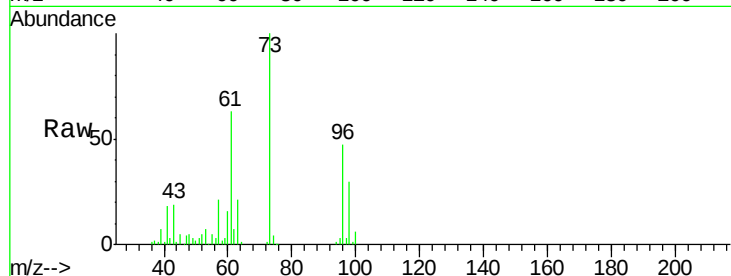




#19
Methyl tert-butyl Ether
Concen: 20.63 ug/l
RT: 5.26 min Scan# 578
Delta R.T. 0.01 min
Lab File: VY001502.D
Acq: 05 Feb 2020 13:07

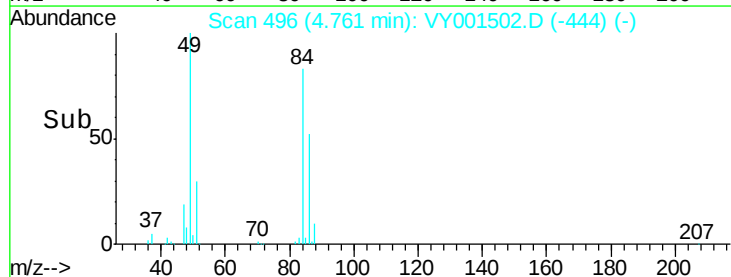
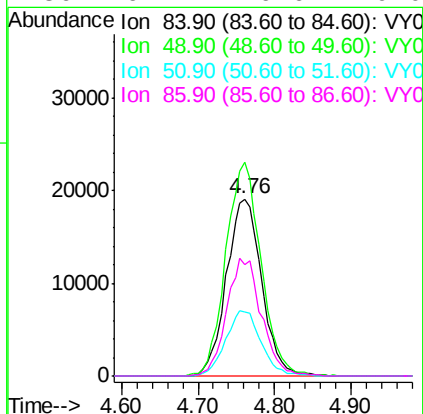
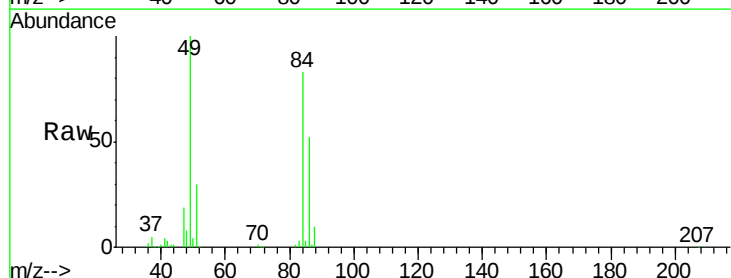
Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBSD01

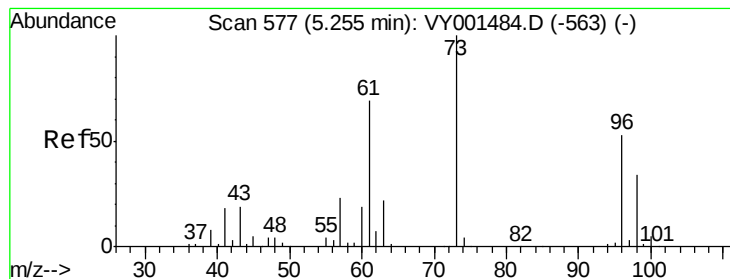
Tgt Ion: 73 Resp: 135086
Ion Ratio Lower Upper
73 100
57 21.0 17.0 25.6



#20
Methylene Chloride
Concen: 19.97 ug/l
RT: 4.76 min Scan# 496
Delta R.T. 0.02 min
Lab File: VY001502.D
Acq: 05 Feb 2020 13:07

Tgt Ion: 84 Resp: 60905
Ion Ratio Lower Upper
84 100
49 120.6 89.0 133.6
51 36.1 27.4 41.2
86 62.7 46.6 70.0





#21

trans-1,2-Dichloroethene

Concen: 20.60 ug/l

RT: 5.26 min Scan# 578

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0205SBS01

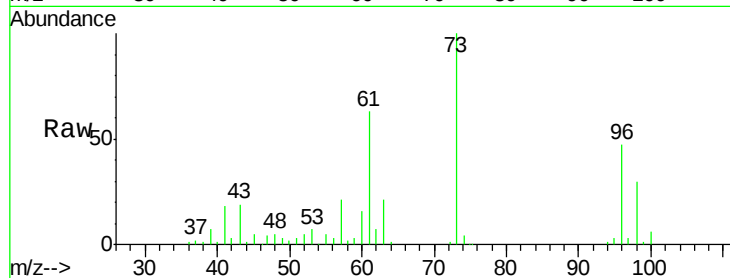
Tgt Ion: 96 Resp: 56378

Ion Ratio Lower Upper

96 100

61 132.8 104.2 156.4

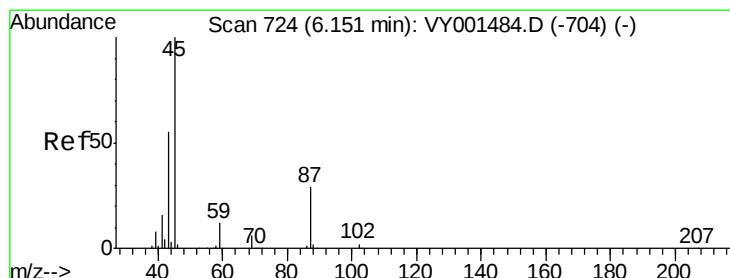
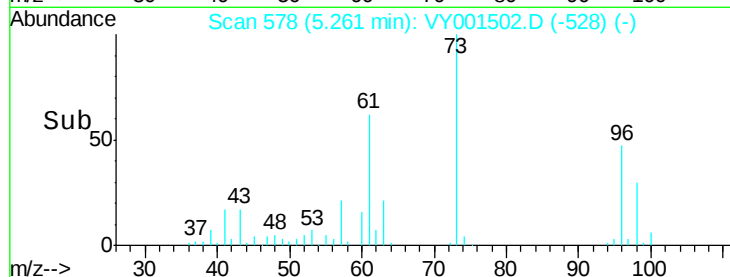
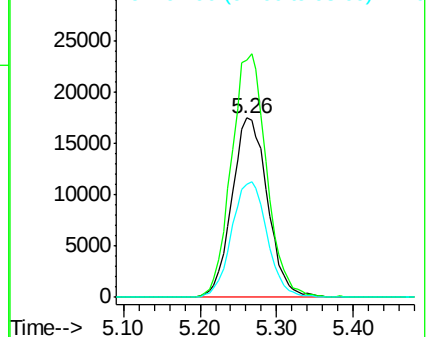
98 63.4 51.4 77.0



Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 21.96 ug/l

RT: 6.16 min Scan# 725

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

Tgt Ion: 45 Resp: 163844

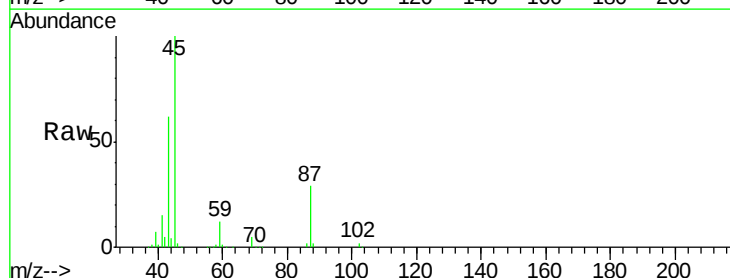
Ion Ratio Lower Upper

45 100

43 62.1 44.2 66.4

87 28.6 23.9 35.9

59 12.1 10.2 15.2

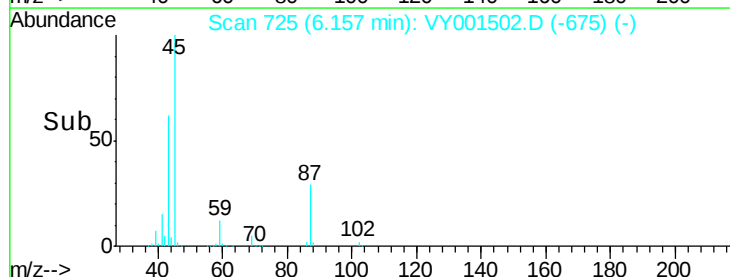
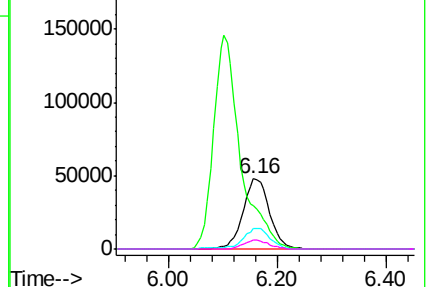


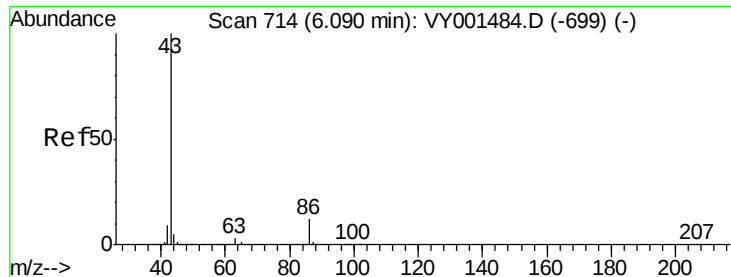
Abundance Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 104.91 ug/l

RT: 6.10 min Scan# 716

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

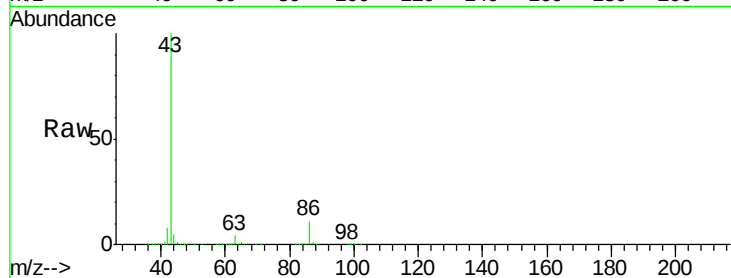
VY0205SBS01

Tgt Ion: 43 Resp: 498280

Ion Ratio Lower Upper

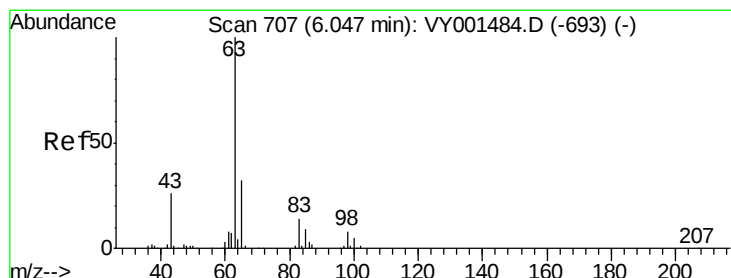
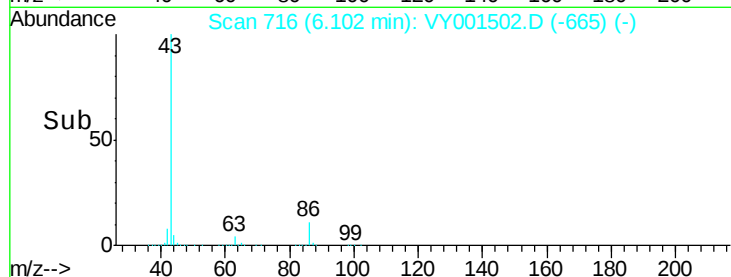
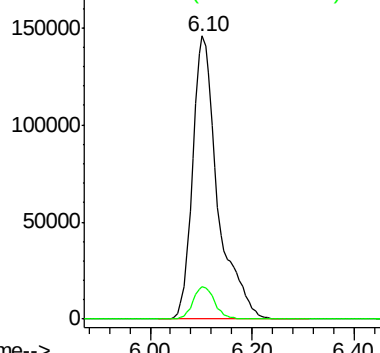
43 100

86 11.3 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 21.20 ug/l

RT: 6.07 min Scan# 710

Delta R.T. 0.02 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

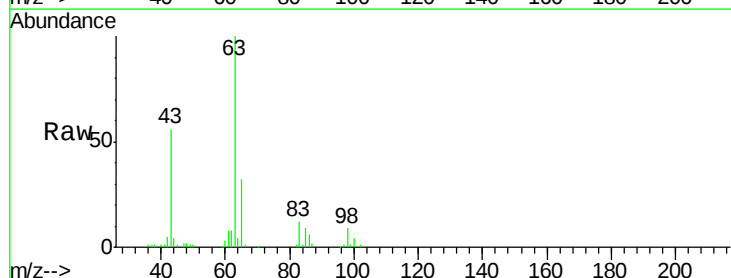
Tgt Ion: 63 Resp: 95128

Ion Ratio Lower Upper

63 100

98 8.6 4.0 11.9

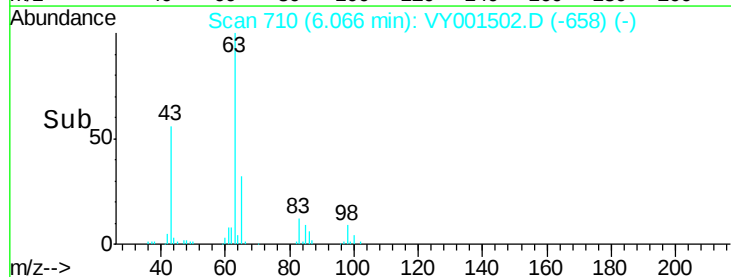
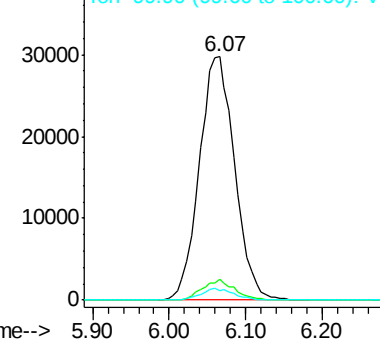
100 4.1 2.6 8.0

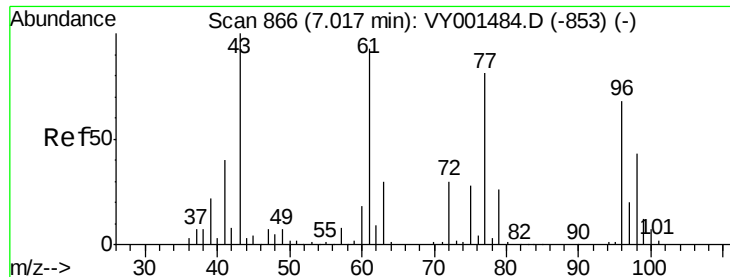


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 101.59 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

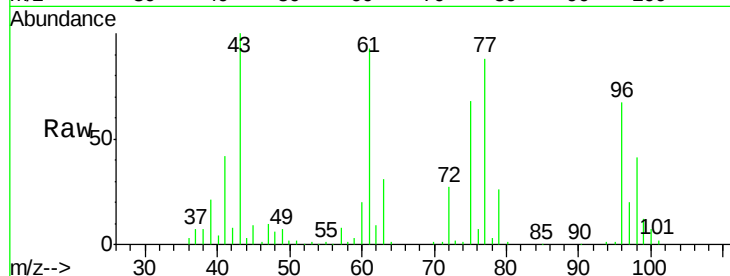
VY0205SBS01

Tgt Ion: 43 Resp: 89878

Ion Ratio Lower Upper

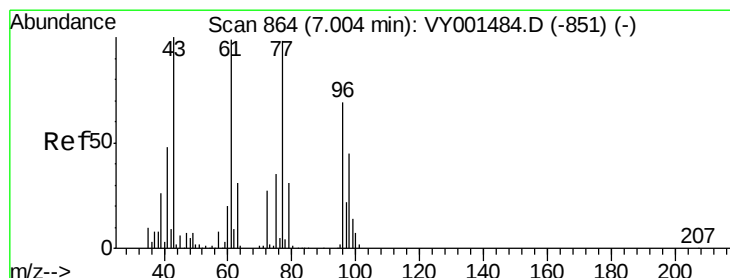
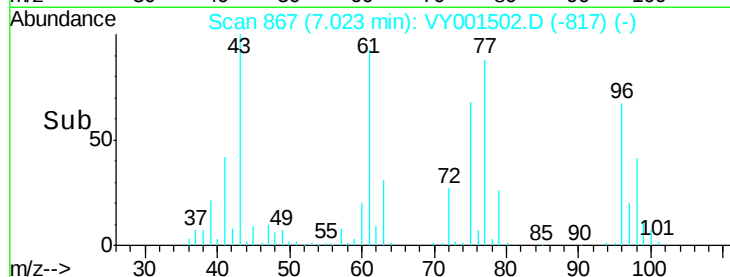
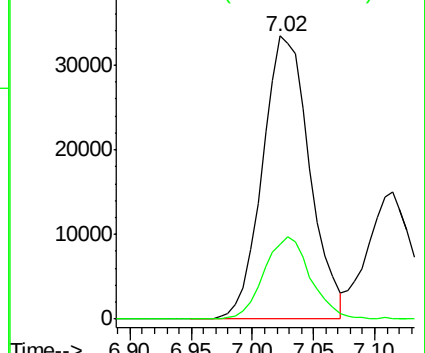
43 100

72 26.5 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 20.43 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.02 min

Lab File: VY001502.D

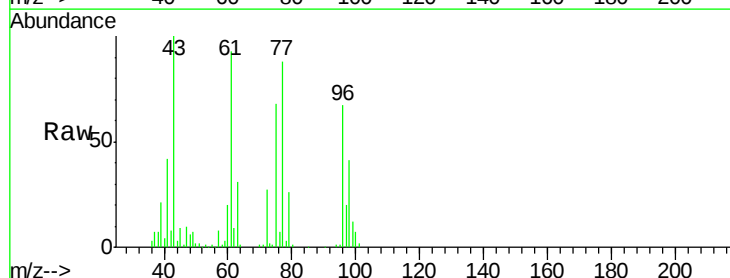
Acq: 05 Feb 2020 13:07

Tgt Ion: 77 Resp: 87769

Ion Ratio Lower Upper

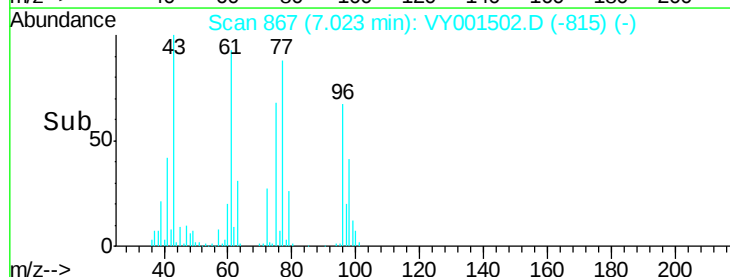
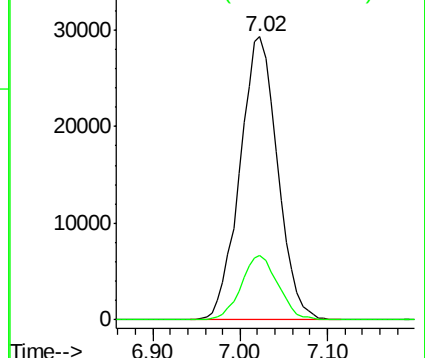
77 100

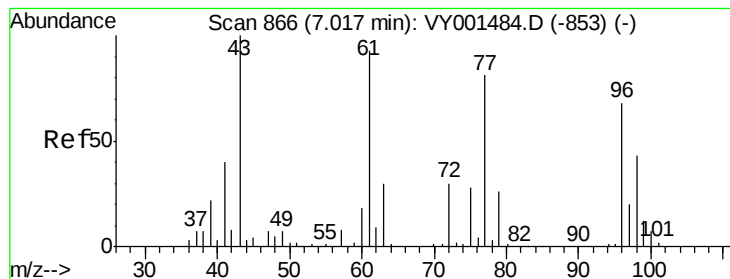
97 22.3 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

cis-1,2-Dichloroethene

Concen: 20.69 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0205SBS01

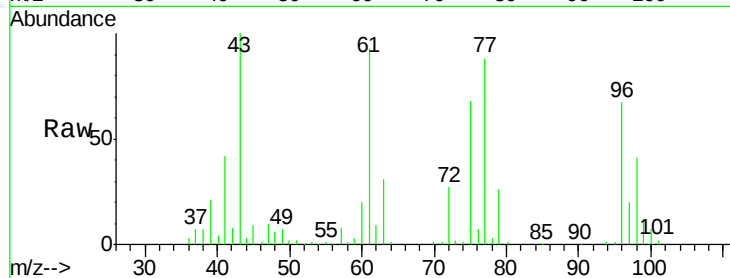
Tgt Ion: 96 Resp: 61855

Ion Ratio Lower Upper

96 100

61 143.1 0.0 278.8

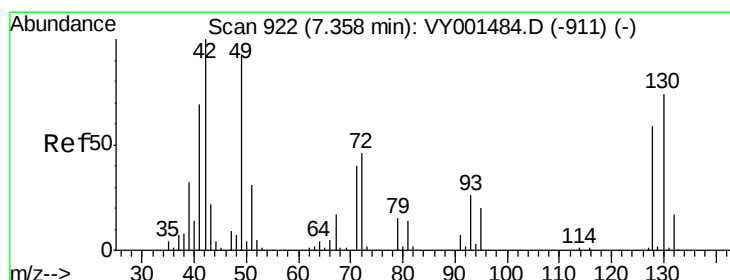
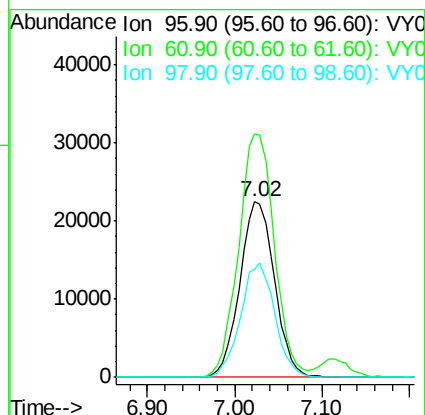
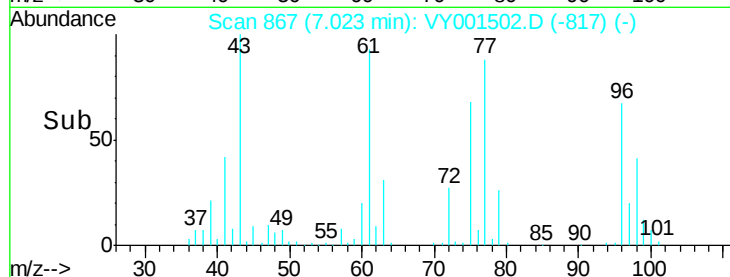
98 64.2 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#28

Bromochloromethane

Concen: 20.69 ug/l

RT: 7.37 min Scan# 924

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

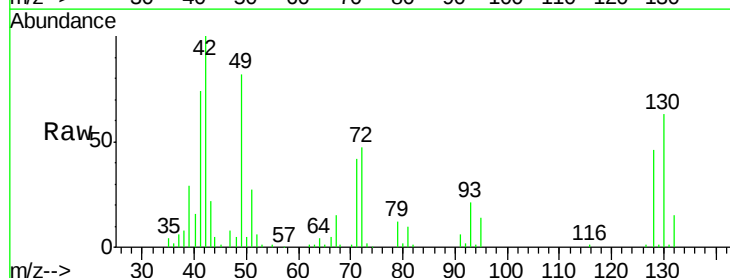
Tgt Ion: 49 Resp: 31633

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.8

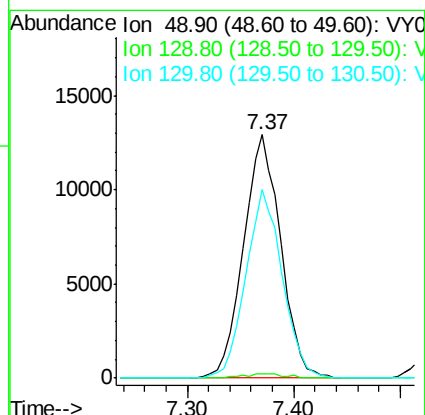
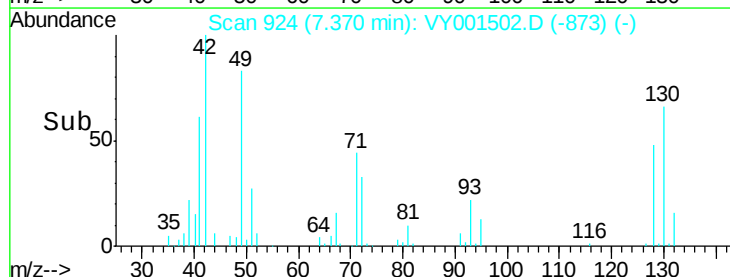
130 75.9 65.4 98.2

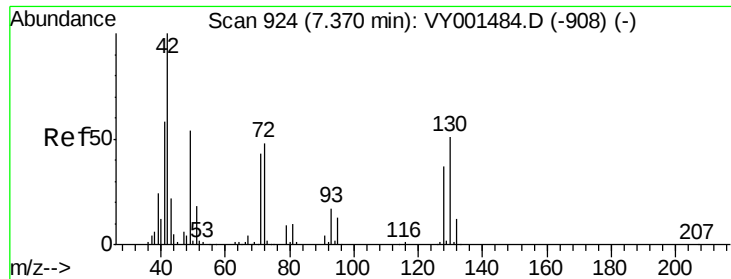


Abundance Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

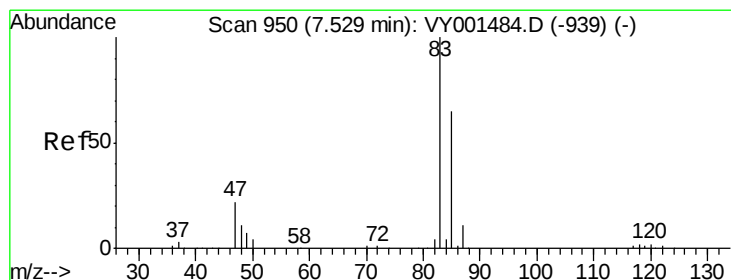
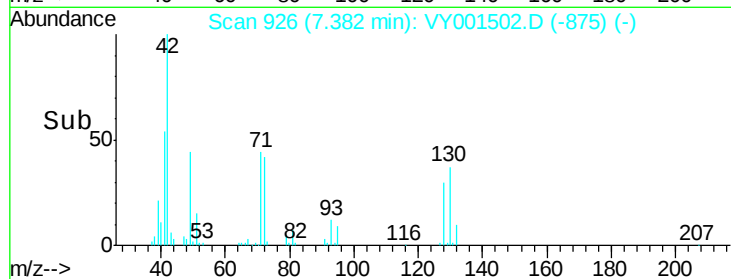
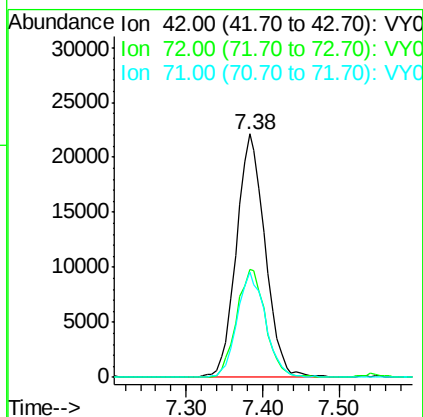
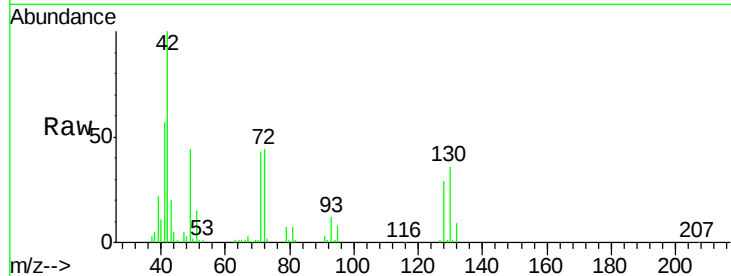




#29
Tetrahydrofuran
Concen: 108.43 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.01 min
Lab File: VY001502.D
Acq: 05 Feb 2020 13:07

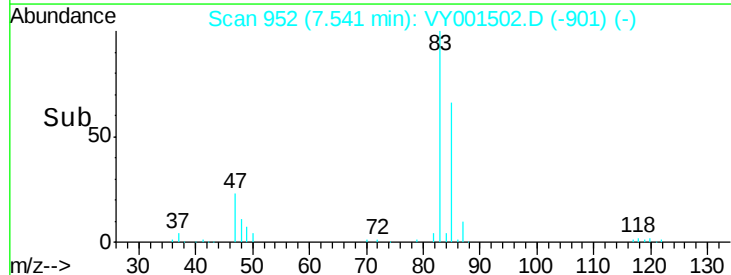
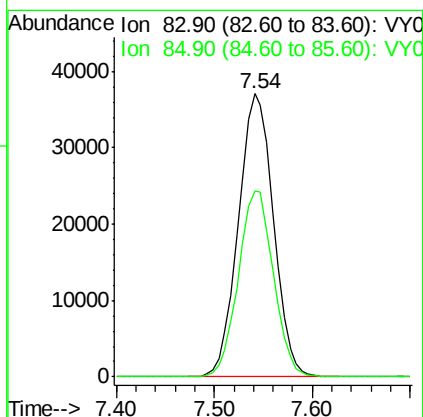
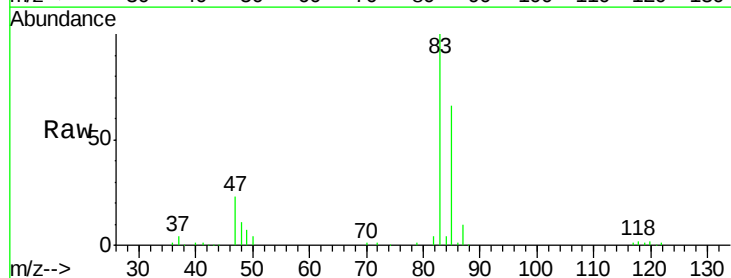
Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

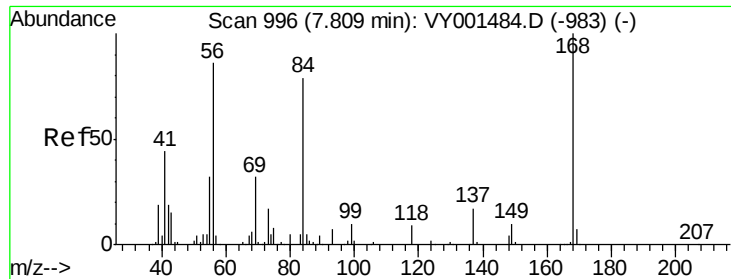
Tgt Ion: 42 Resp: 57497
Ion Ratio Lower Upper
42 100
72 44.7 37.8 56.6
71 42.5 34.8 52.2



#30
Chloroform
Concen: 20.27 ug/l
RT: 7.54 min Scan# 952
Delta R.T. 0.01 min
Lab File: VY001502.D
Acq: 05 Feb 2020 13:07

Tgt Ion: 83 Resp: 92151
Ion Ratio Lower Upper
83 100
85 65.6 52.4 78.6

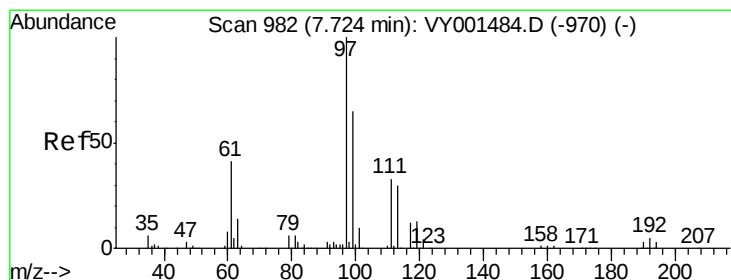
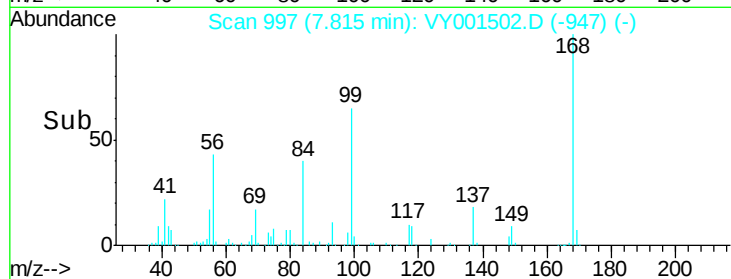
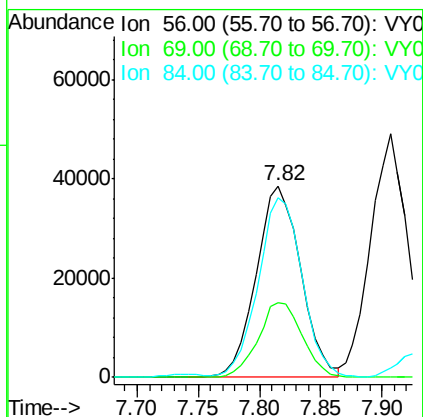
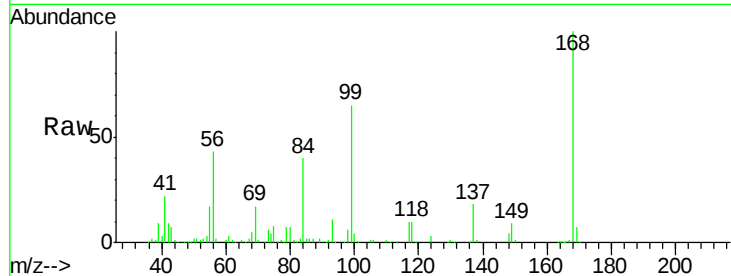




#31
Cyclohexane
Concen: 21.34 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.01 min
Lab File: VY001502.D
Acq: 05 Feb 2020 13:07

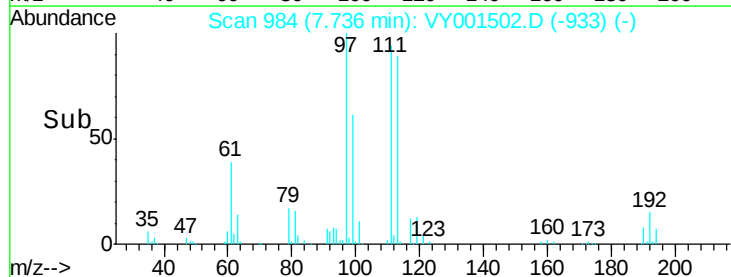
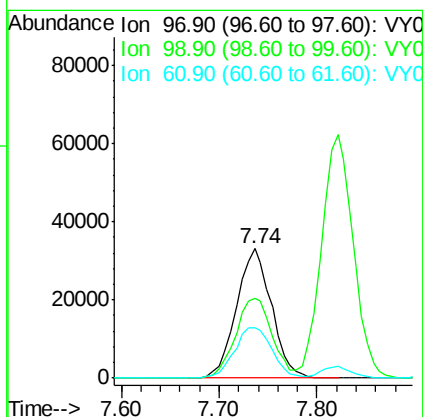
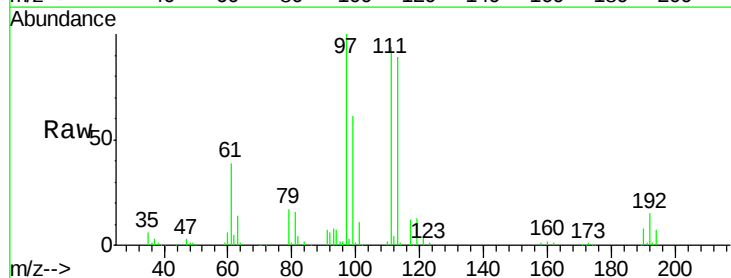
Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBSD01

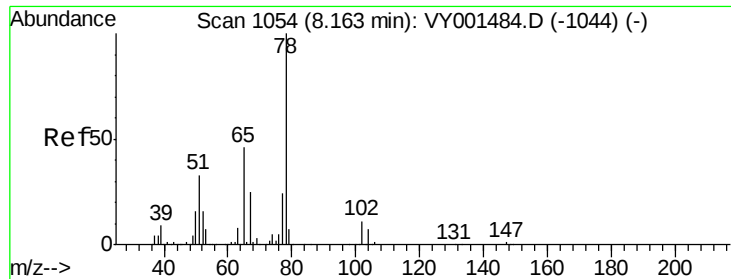
Tgt Ion: 56 Resp: 97949
Ion Ratio Lower Upper
56 100
69 39.2 29.6 44.4
84 92.7 73.6 110.4



#32
1,1,1-Trichloroethane
Concen: 19.98 ug/l
RT: 7.74 min Scan# 984
Delta R.T. 0.01 min
Lab File: VY001502.D
Acq: 05 Feb 2020 13:07

Tgt Ion: 97 Resp: 82356
Ion Ratio Lower Upper
97 100
99 64.8 51.8 77.8
61 42.0 32.5 48.7





#33

1,2-Dichloroethane-d4

Concen: 53.99 ug/l

RT: 8.18 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

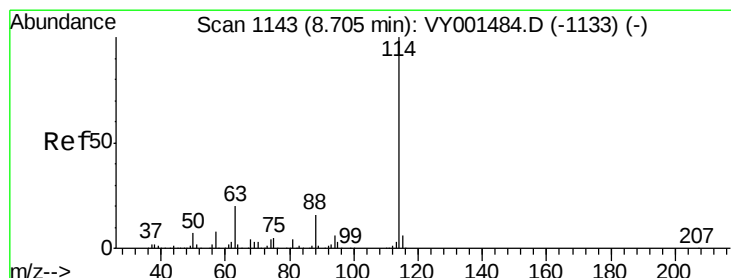
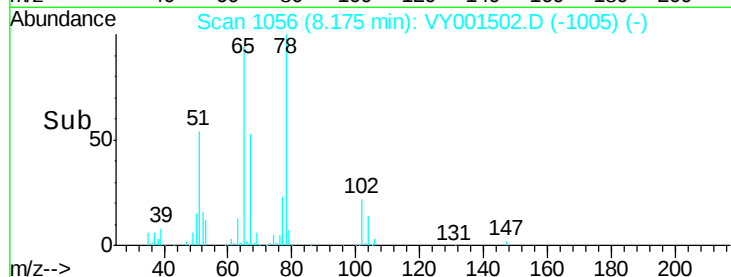
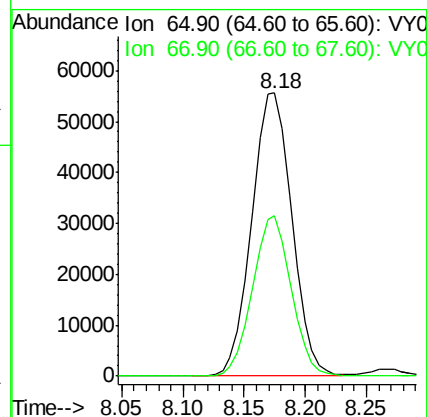
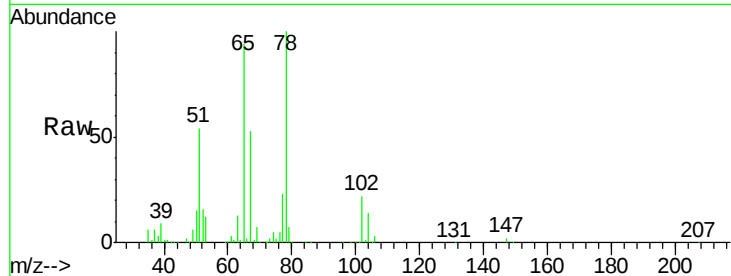
VY0205SBSD01

Tgt Ion: 65 Resp: 127280

Ion Ratio Lower Upper

65 100

67 54.4 0.0 108.6



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.72 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

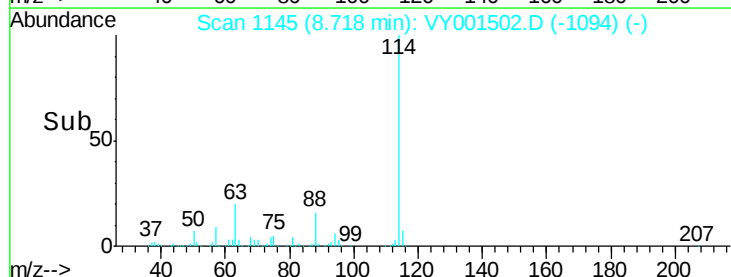
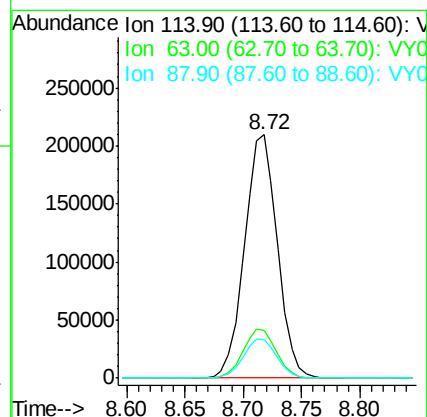
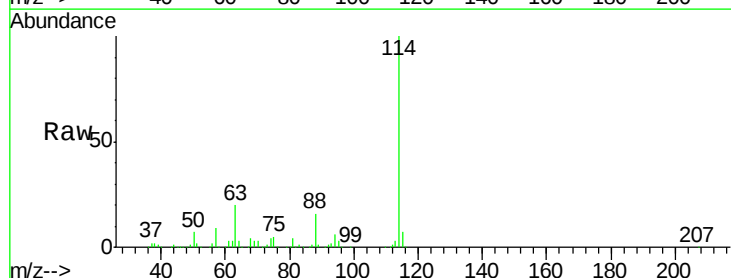
Tgt Ion: 114 Resp: 411884

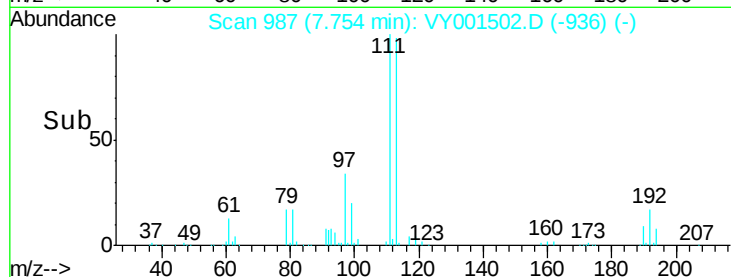
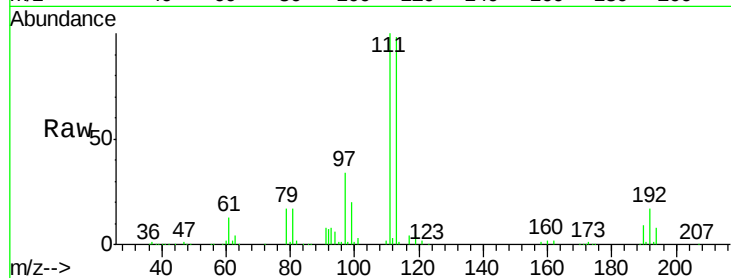
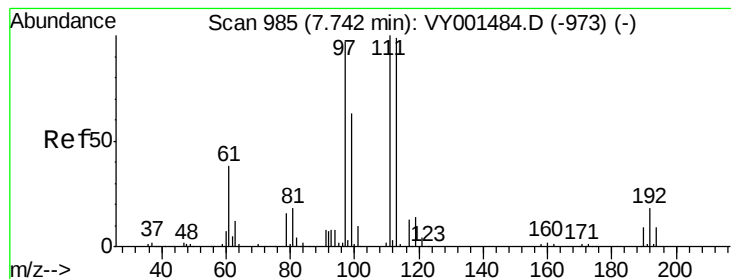
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.8

88 16.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.08 ug/l

RT: 7.75 min Scan# 987

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0205SBSD01

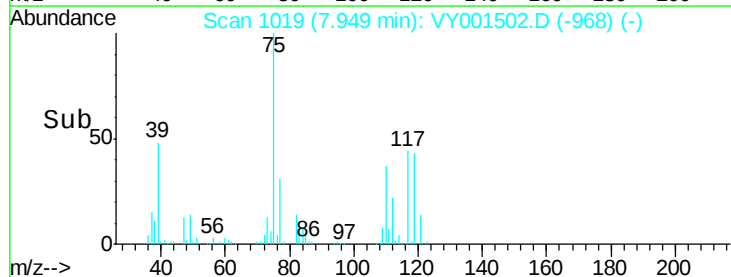
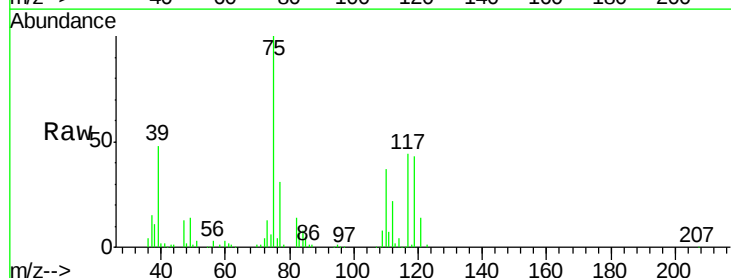
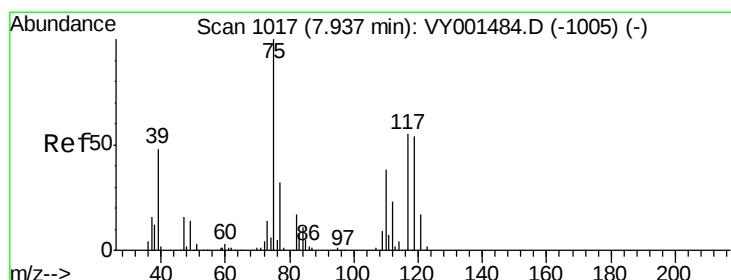
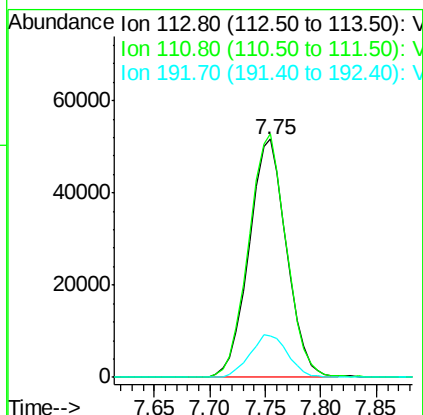
Tgt Ion:113 Resp: 121331

Ion Ratio Lower Upper

113 100

111 102.5 82.9 124.3

192 17.8 14.6 22.0



#36

1,1-Dichloropropene

Concen: 21.08 ug/l

RT: 7.95 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

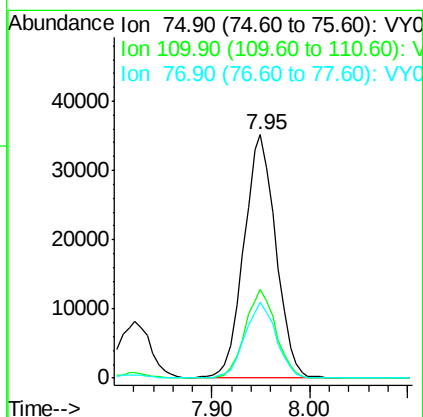
Tgt Ion: 75 Resp: 79442

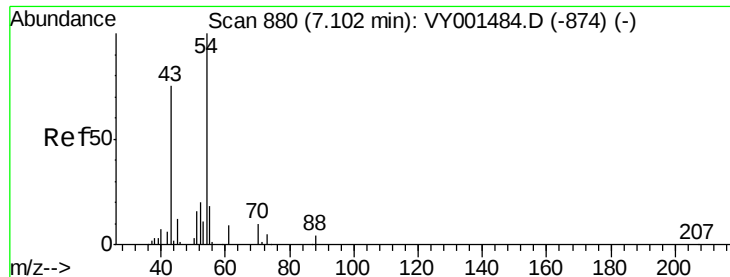
Ion Ratio Lower Upper

75 100

110 35.1 18.2 54.6

77 30.6 25.0 37.4

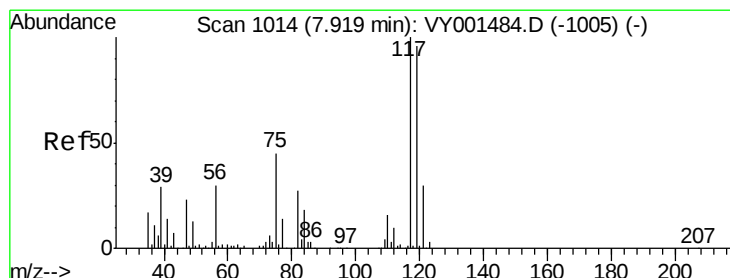
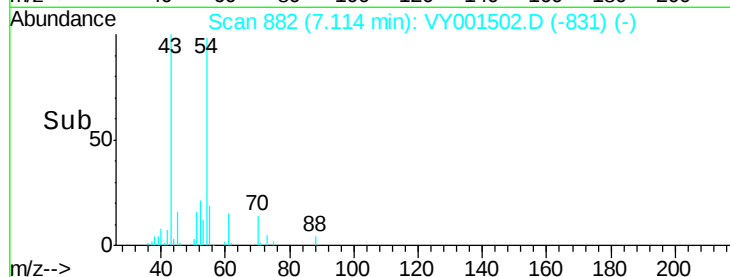
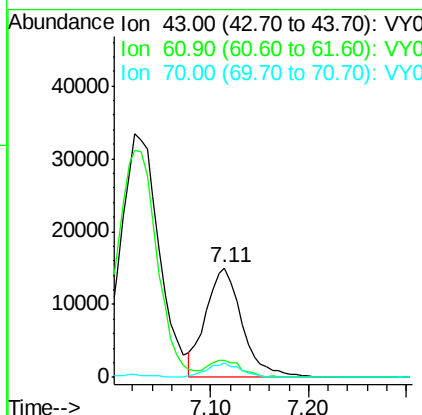
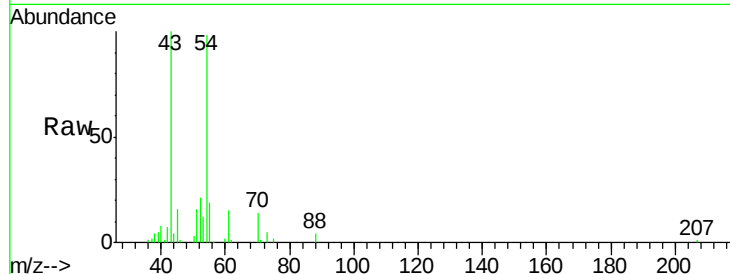




#37
Ethyl Acetate
Concen: 21.17 ug/l
RT: 7.11 min Scan# 882
Delta R.T. 0.01 min
Lab File: VY001502.D
Acq: 05 Feb 2020 13:07

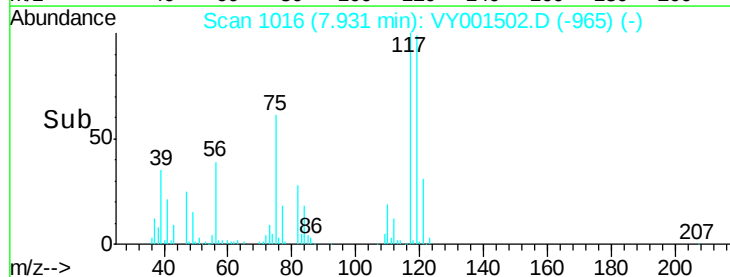
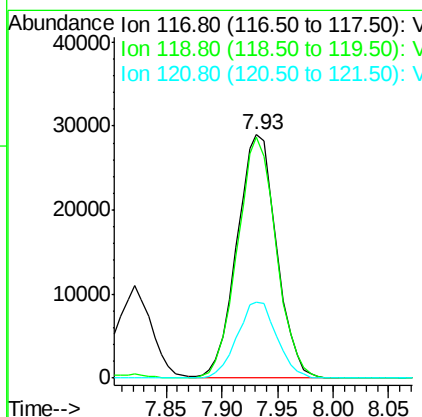
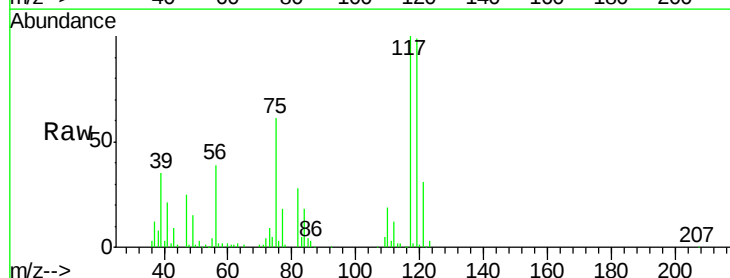
Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBSD01

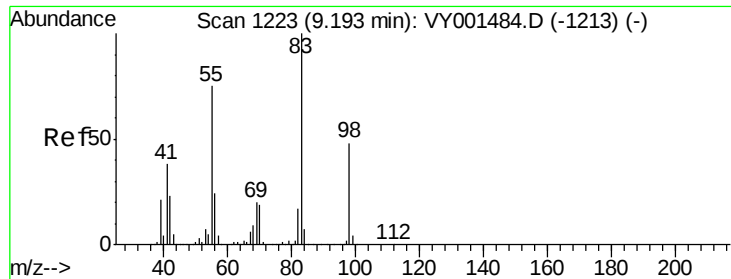
Tgt Ion: 43 Resp: 38609
Ion Ratio Lower Upper
43 100
61 15.1 12.0 18.0
70 12.3 10.2 15.4



#38
Carbon Tetrachloride
Concen: 19.63 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VY001502.D
Acq: 05 Feb 2020 13:07

Tgt Ion: 117 Resp: 71576
Ion Ratio Lower Upper
117 100
119 99.0 76.4 114.6
121 31.0 24.2 36.4

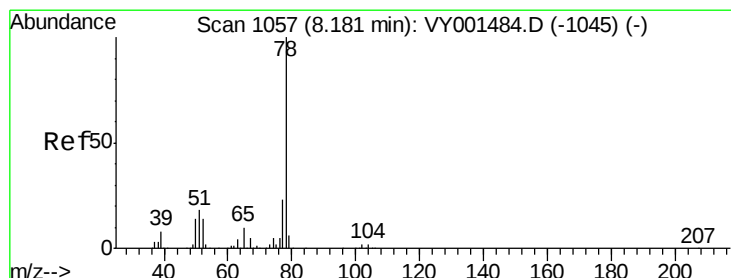
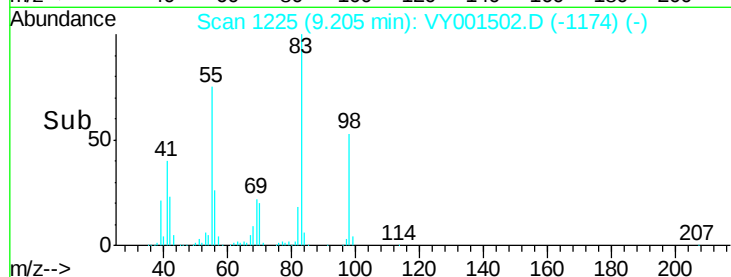
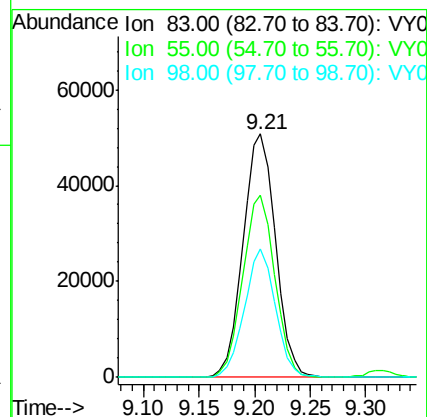
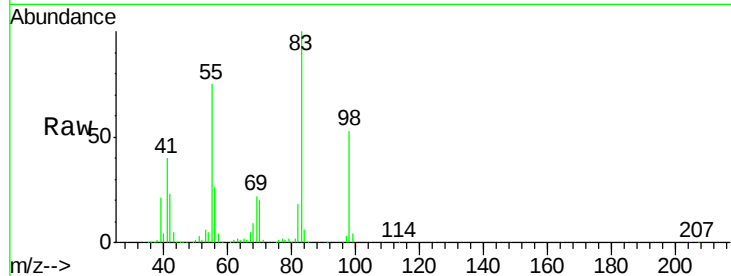




#39
Methylcyclohexane
Concen: 20.75 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VY001502.D
Acq: 05 Feb 2020 13:07

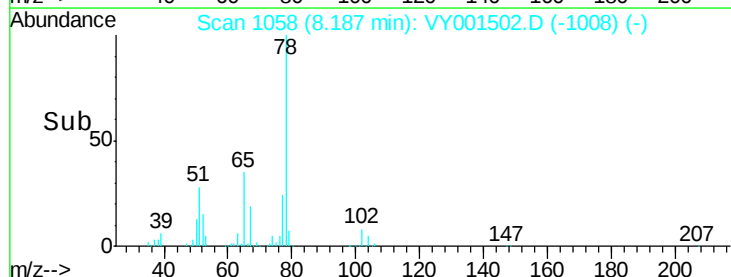
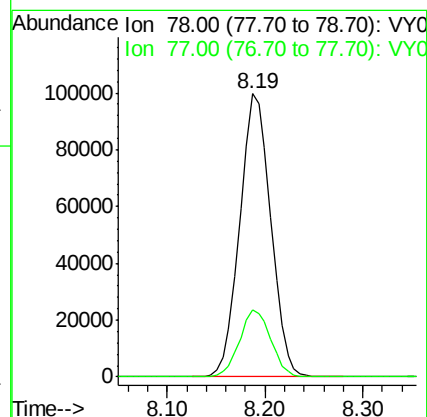
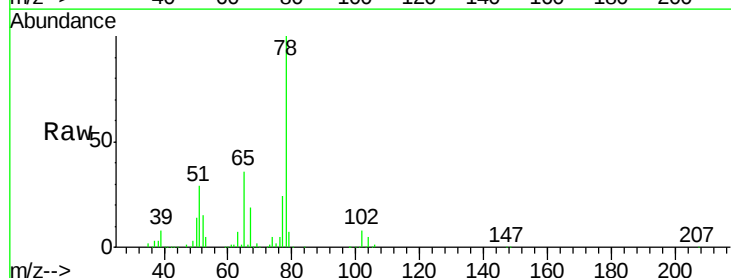
Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBSD01

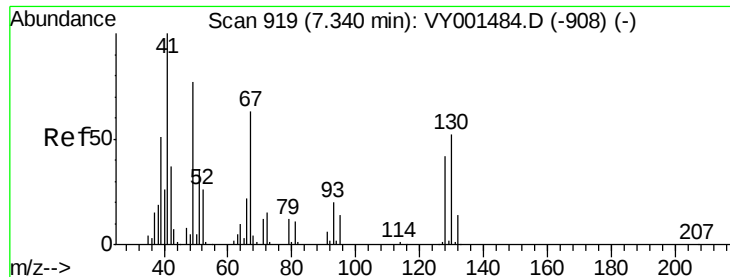
Tgt Ion: 83 Resp: 102935
Ion Ratio Lower Upper
83 100
55 74.7 59.8 89.6
98 52.8 38.6 57.8



#40
Benzene
Concen: 20.49 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VY001502.D
Acq: 05 Feb 2020 13:07

Tgt Ion: 78 Resp: 220208
Ion Ratio Lower Upper
78 100
77 23.7 18.5 27.7

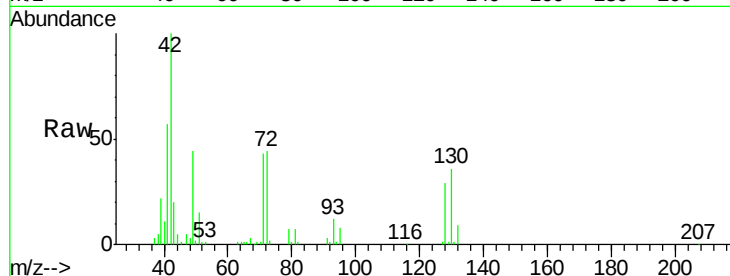




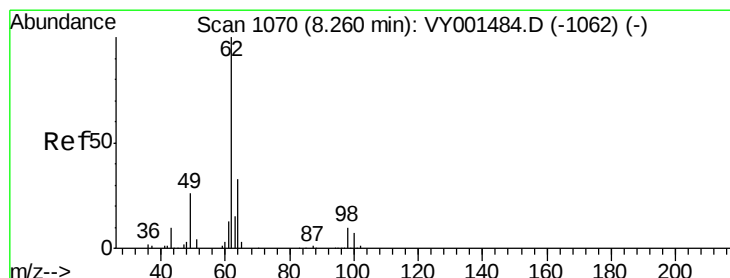
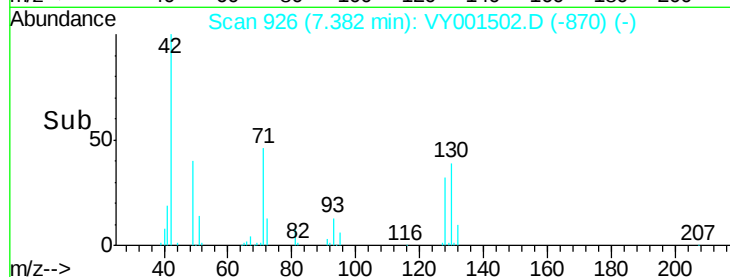
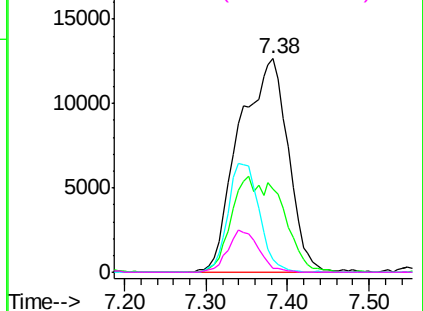
#41
Methacrylonitrile
Concen: 62.51 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.04 min
Lab File: VY001502.D
Acq: 05 Feb 2020 13:07

Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

Tgt Ion: 41 Resp: 52848
Ion Ratio Lower Upper
41 100
39 0.0 116.8 175.2#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

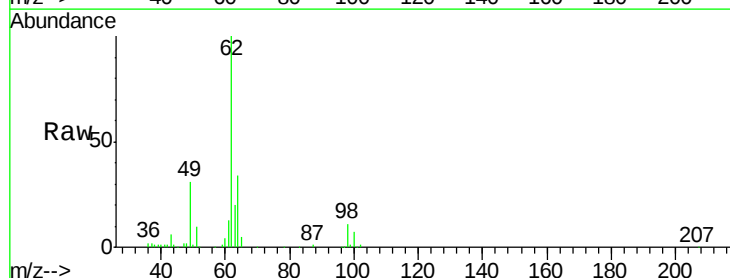


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

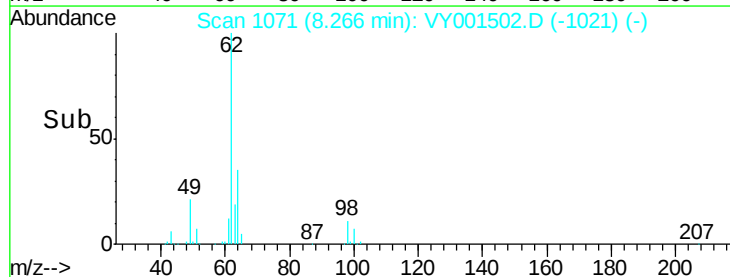
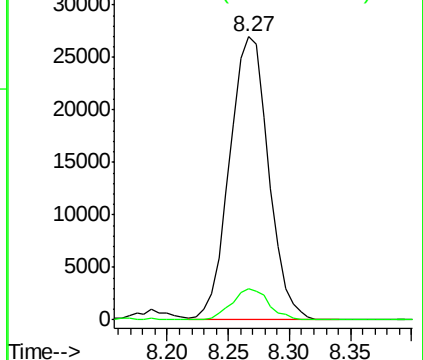


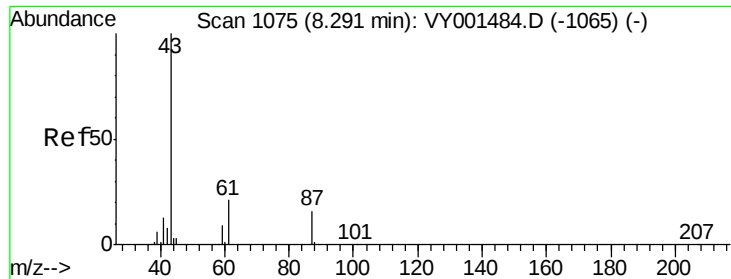
#42
1,2-Dichloroethane
Concen: 19.92 ug/l
RT: 8.27 min Scan# 1071
Delta R.T. 0.01 min
Lab File: VY001502.D
Acq: 05 Feb 2020 13:07

Tgt Ion: 62 Resp: 59646
Ion Ratio Lower Upper
62 100
98 10.5 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VY0
Ion 97.90 (97.60 to 98.60): VY0





#43

Isopropyl Acetate

Concen: 20.86 ug/l

RT: 8.30 min Scan# 1077

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0205SBS01

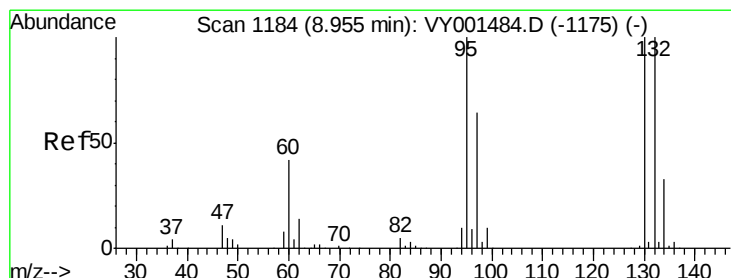
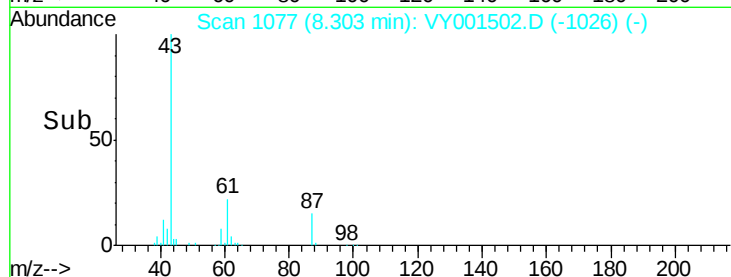
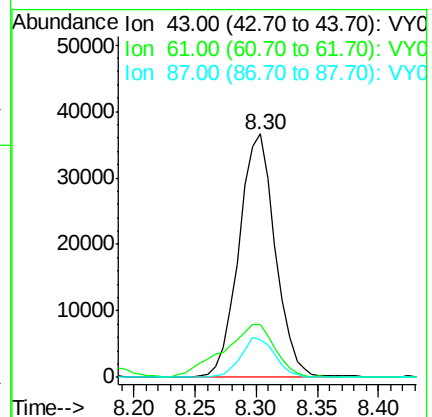
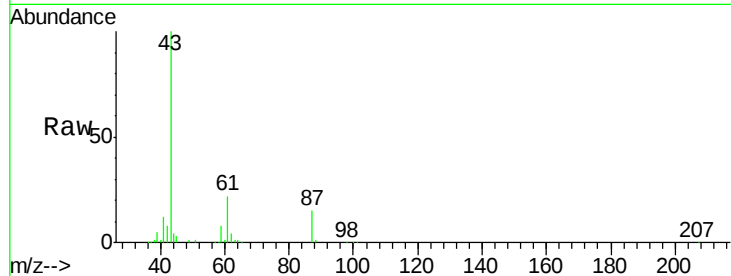
Tgt Ion: 43 Resp: 75351

Ion Ratio Lower Upper

43 100

61 31.1 25.1 37.7

87 15.5 12.6 19.0



#44

Trichloroethene

Concen: 19.94 ug/l

RT: 8.96 min Scan# 1185

Delta R.T. 0.01 min

Lab File: VY001502.D

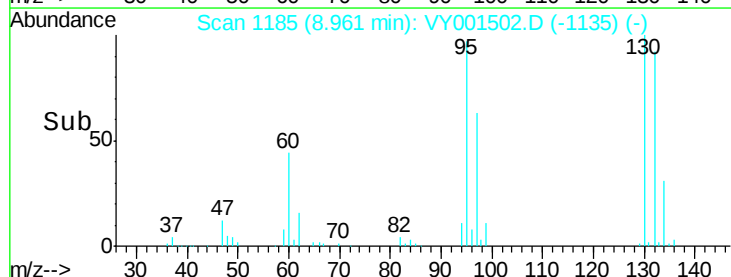
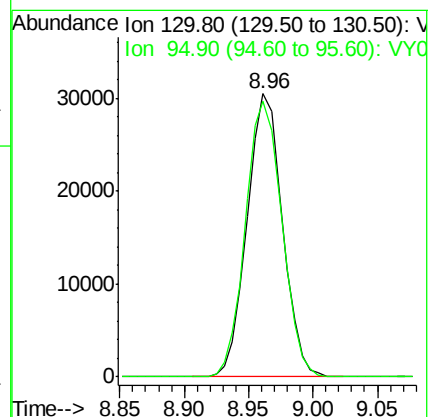
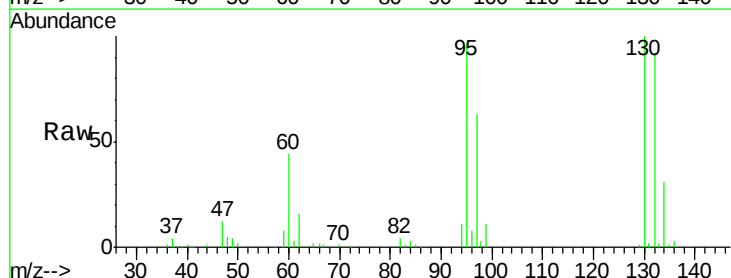
Acq: 05 Feb 2020 13:07

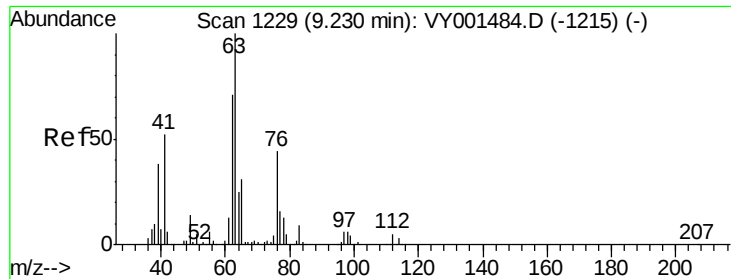
Tgt Ion: 130 Resp: 57775

Ion Ratio Lower Upper

130 100

95 97.5 0.0 199.2

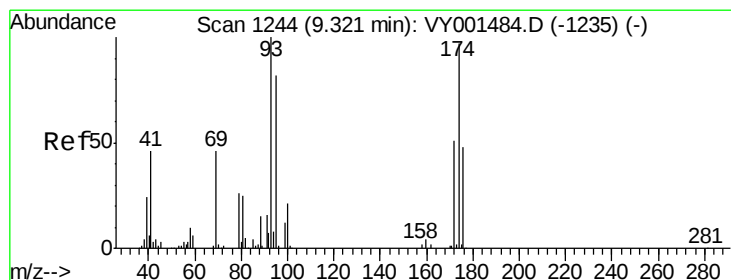
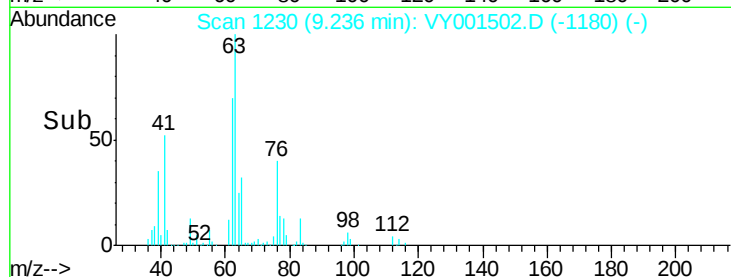
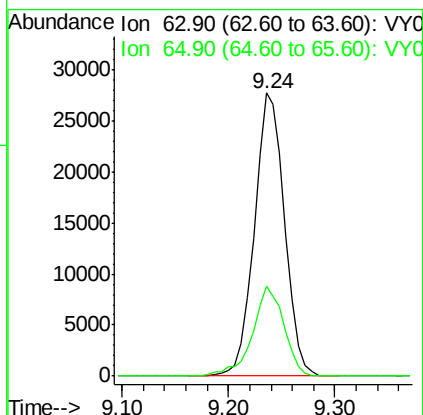
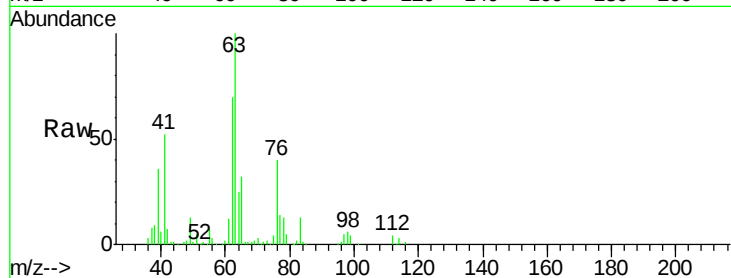




#45
 1,2-Dichloropropane
 Concen: 21.16 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VY001502.D
 Acq: 05 Feb 2020 13:07

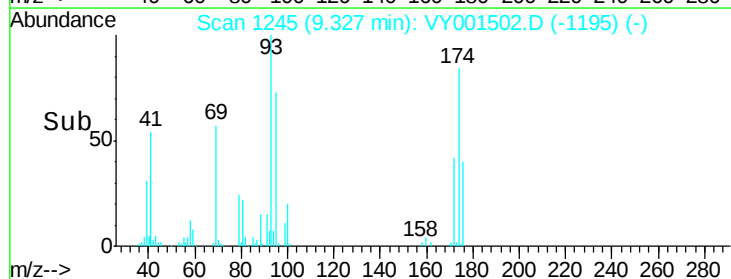
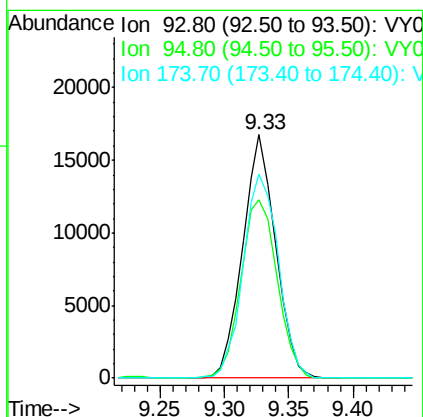
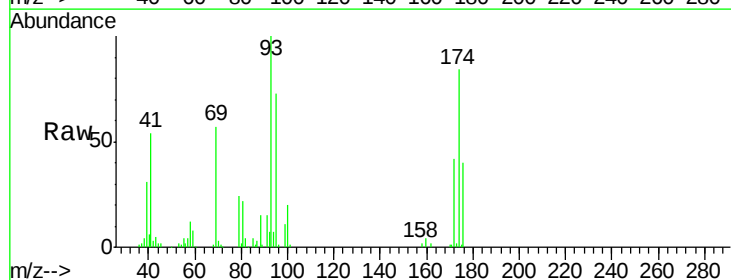
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0205SBS01

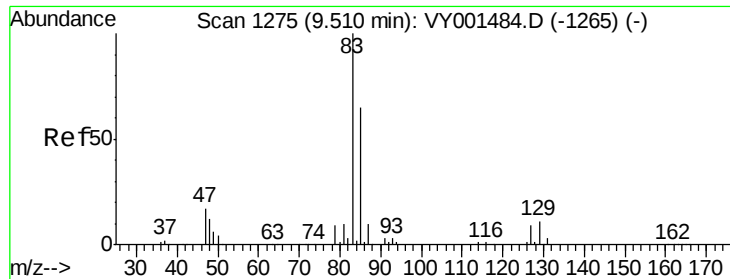
Tgt Ion: 63 Resp: 54927
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.0 37.4



#46
 Dibromomethane
 Concen: 20.36 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.01 min
 Lab File: VY001502.D
 Acq: 05 Feb 2020 13:07

Tgt Ion: 93 Resp: 29676
 Ion Ratio Lower Upper
 93 100
 95 80.7 66.6 99.8
 174 89.3 75.4 113.2





#47

Bromodichloromethane

Concen: 20.41 ug/l

RT: 9.52 min Scan# 1276

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0205SBS01

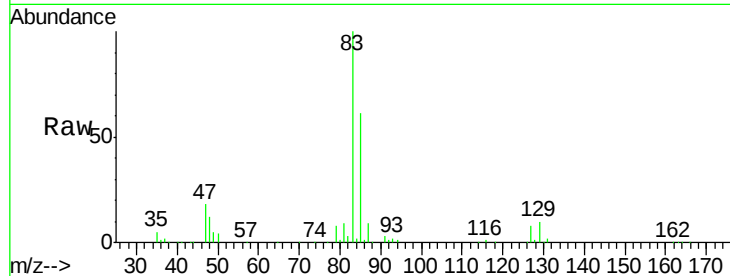
Tgt Ion: 83 Resp: 72453

Ion Ratio Lower Upper

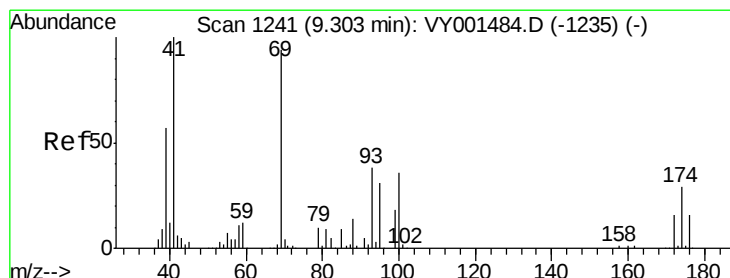
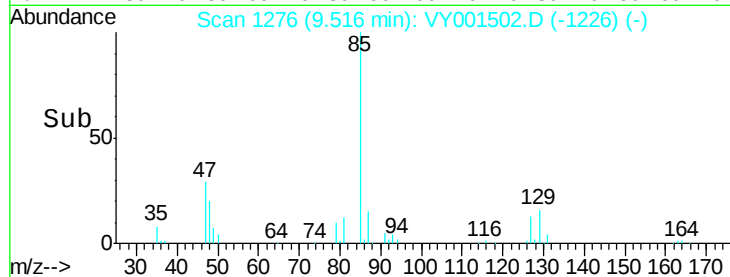
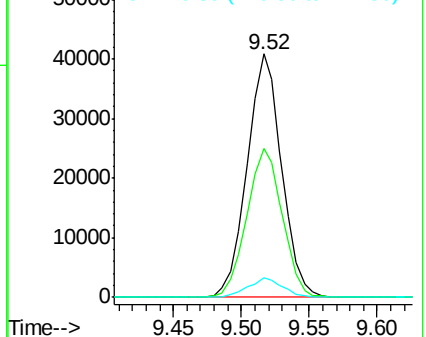
83 100

85 61.0 51.9 77.9

127 7.9 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.90 ug/l

RT: 9.32 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

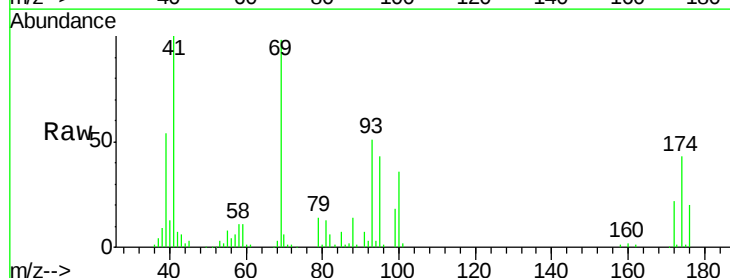
Tgt Ion: 41 Resp: 32616

Ion Ratio Lower Upper

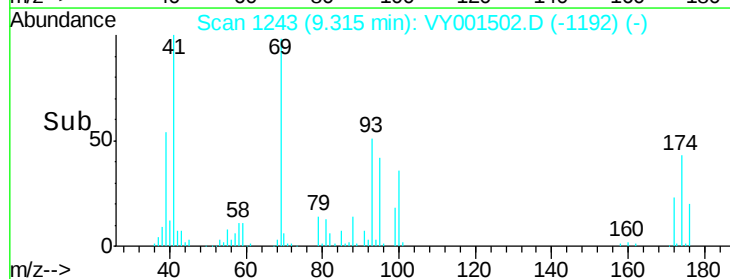
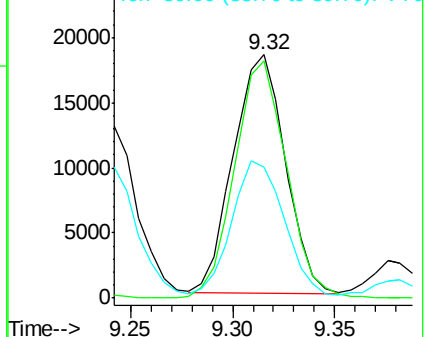
41 100

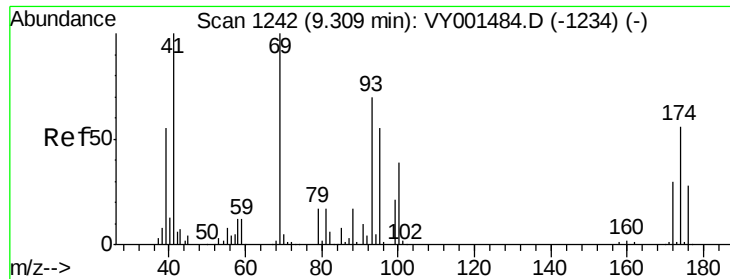
69 98.9 76.6 114.8

39 56.1 45.4 68.0



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0





#49

1,4-Dioxane

Concen: 370.47 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0205SBS01

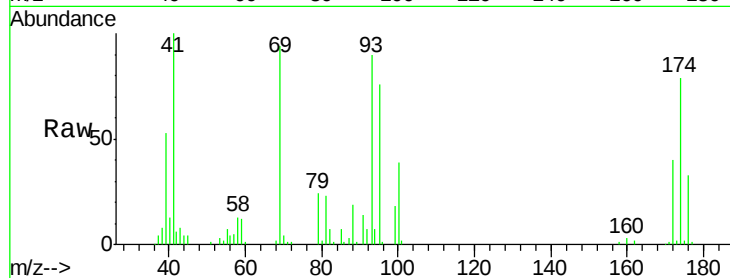
Tgt Ion: 88 Resp: 7130

Ion Ratio Lower Upper

88 100

43 33.9 24.8 37.2

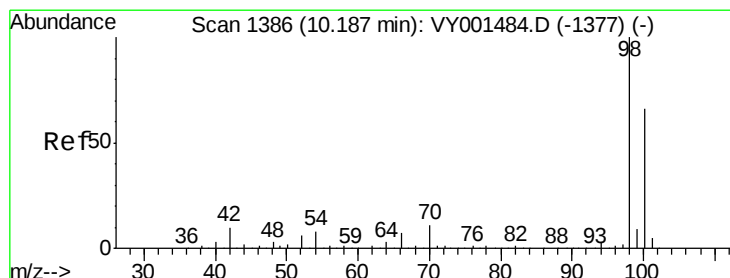
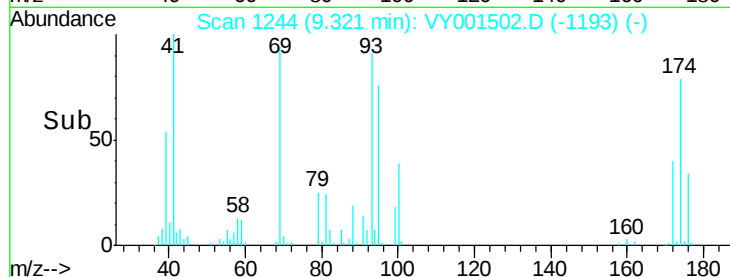
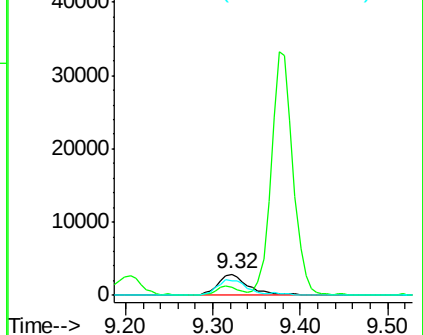
58 78.4 59.3 88.9



Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 54.27 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001502.D

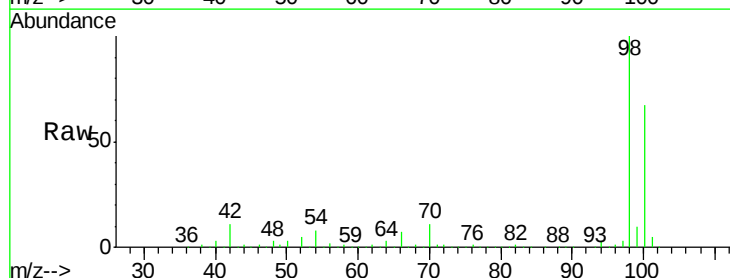
Acq: 05 Feb 2020 13:07

Tgt Ion: 98 Resp: 487677

Ion Ratio Lower Upper

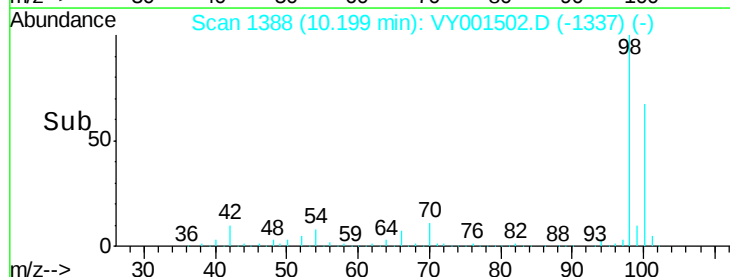
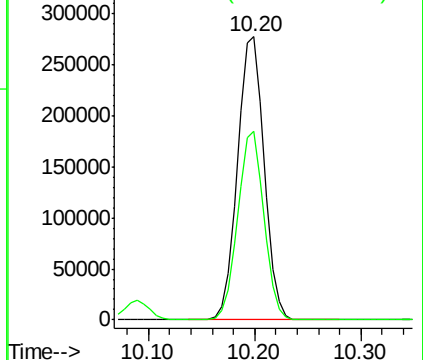
98 100

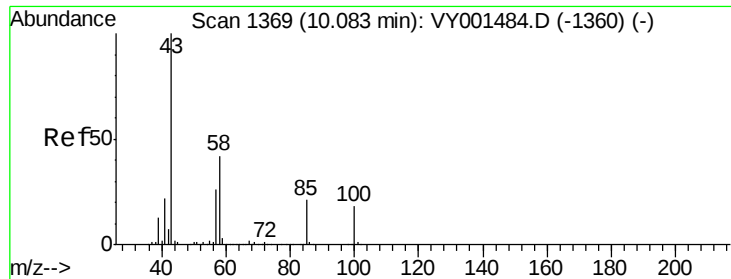
100 65.5 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

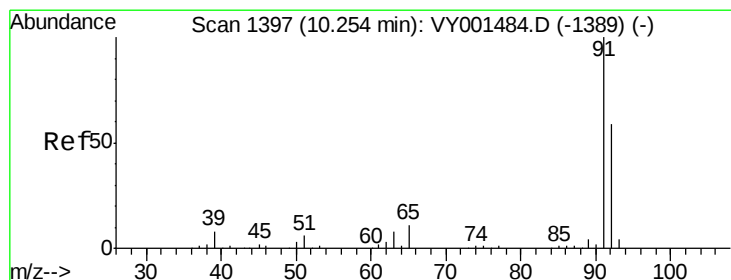
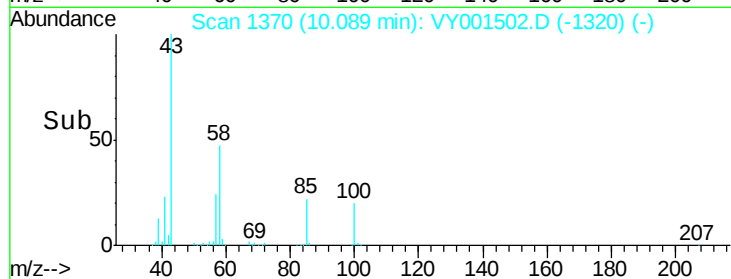
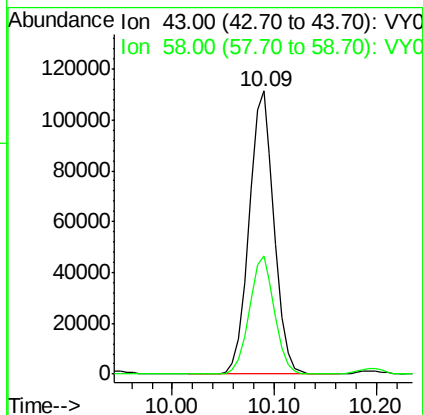
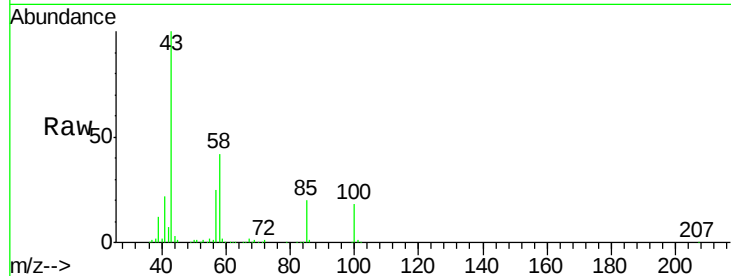




#51
 4-Methyl-2-Pentanone
 Concen: 106.22 ug/l
 RT: 10.09 min Scan# 1370
 Delta R.T. 0.01 min
 Lab File: VY001502.D
 Acq: 05 Feb 2020 13:07

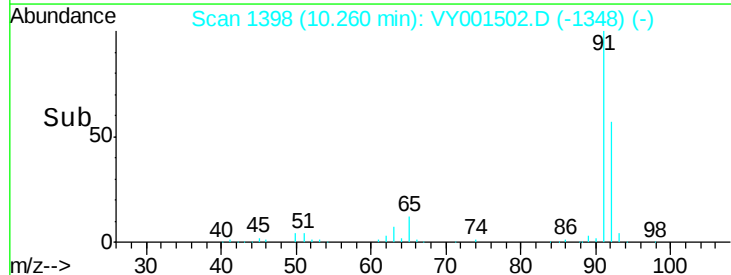
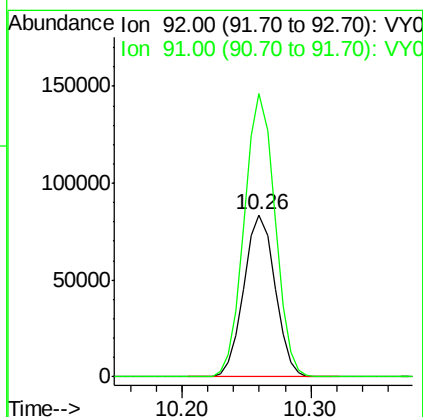
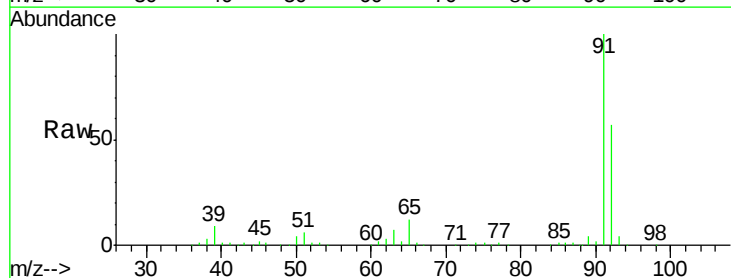
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0205SBSD01

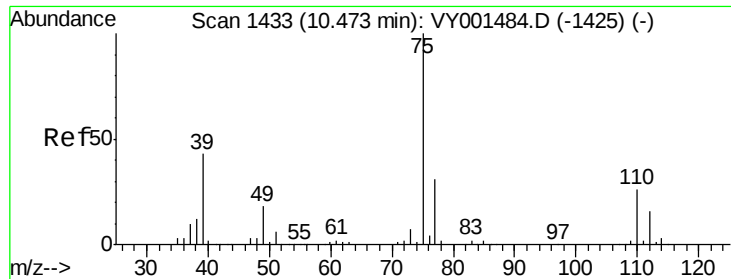
Tgt Ion: 43 Resp: 188917
 Ion Ratio Lower Upper
 43 100
 58 41.9 33.9 50.9



#52
 Toluene
 Concen: 20.60 ug/l
 RT: 10.26 min Scan# 1398
 Delta R.T. 0.01 min
 Lab File: VY001502.D
 Acq: 05 Feb 2020 13:07

Tgt Ion: 92 Resp: 140452
 Ion Ratio Lower Upper
 92 100
 91 171.3 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 20.14 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

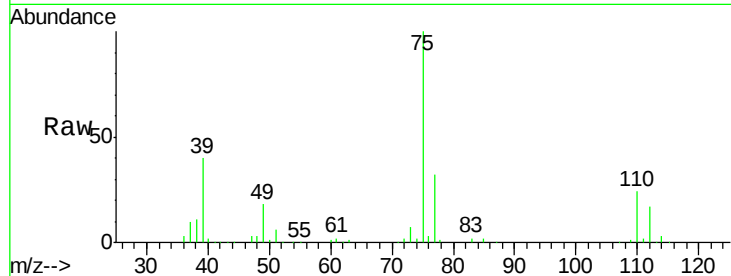
VY0205SBS01

Tgt Ion: 75 Resp: 77896

Ion Ratio Lower Upper

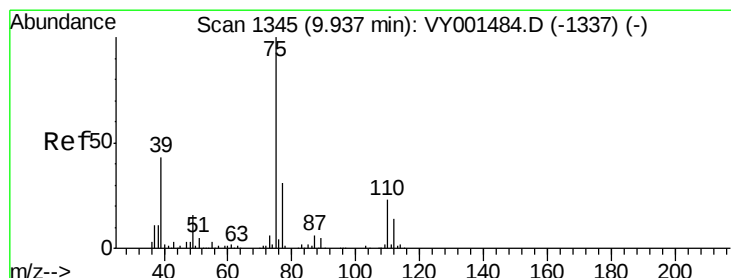
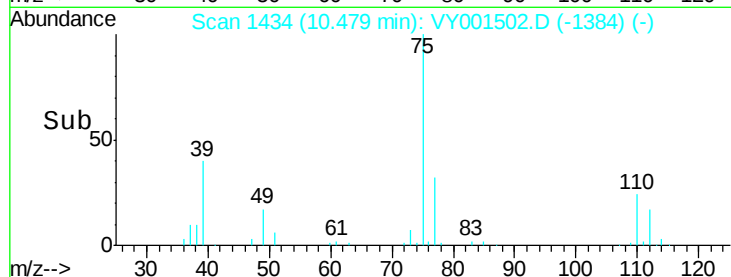
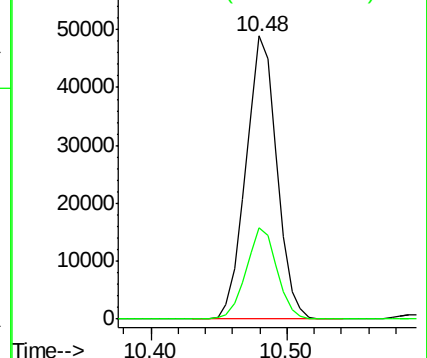
75 100

77 32.1 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 20.38 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

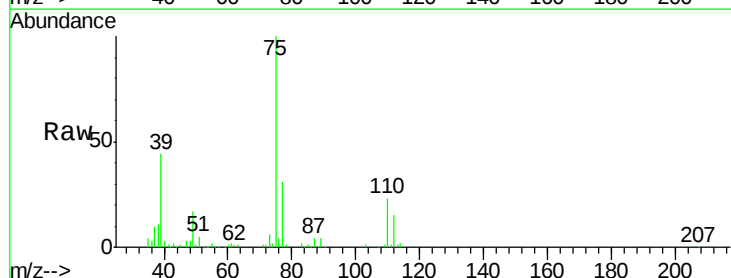
Tgt Ion: 75 Resp: 90470

Ion Ratio Lower Upper

75 100

77 31.0 24.7 37.1

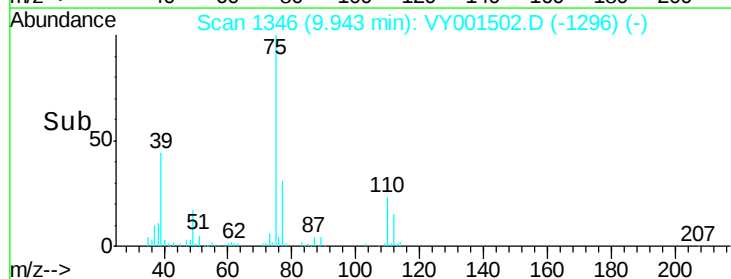
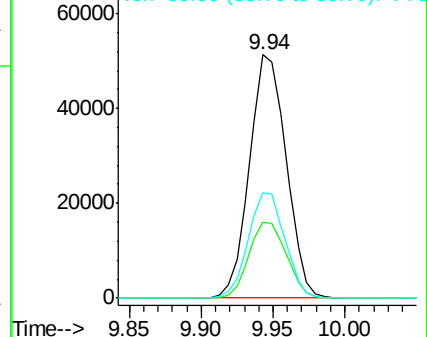
39 43.5 34.0 51.0

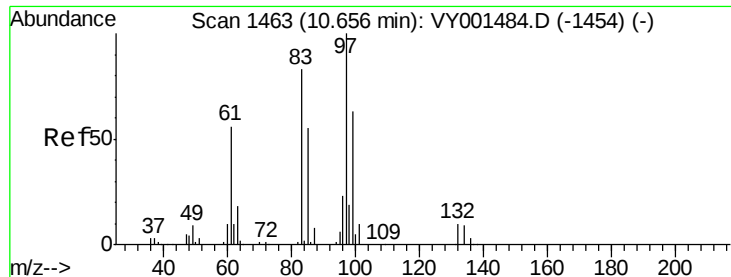


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0





#55

1,1,2-Trichloroethane

Concen: 20.27 ug/l

RT: 10.66 min Scan# 1464

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0205SBS01

Tgt Ion: 97 Resp: 42382

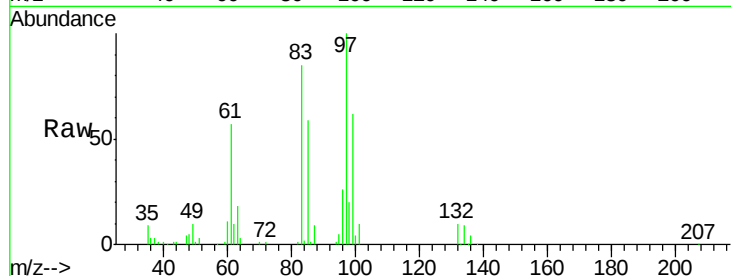
Ion Ratio Lower Upper

97 100

83 85.6 66.2 99.2

85 59.2 43.8 65.6

99 62.7 50.1 75.1

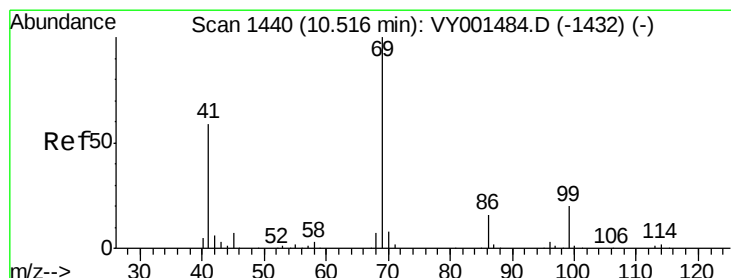
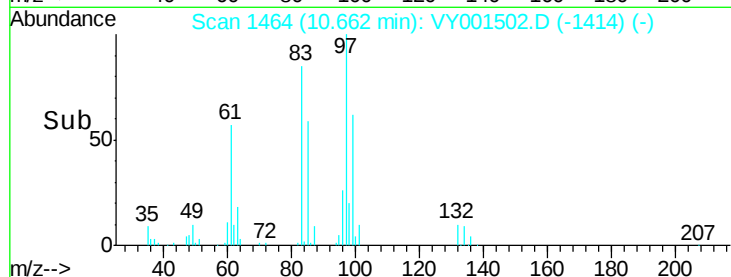
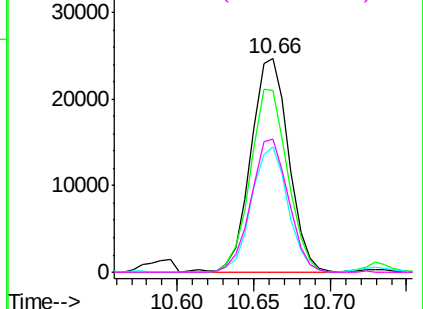


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 20.50 ug/l

RT: 10.52 min Scan# 1441

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

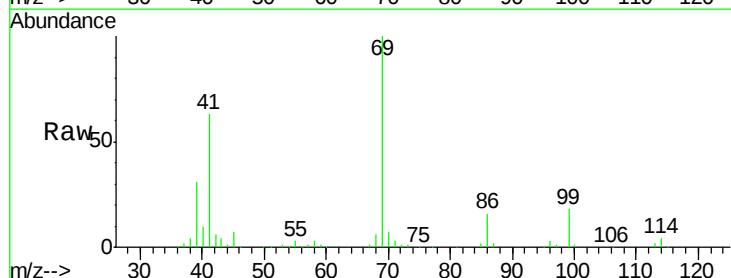
Tgt Ion: 69 Resp: 60971

Ion Ratio Lower Upper

69 100

41 62.1 47.8 71.8

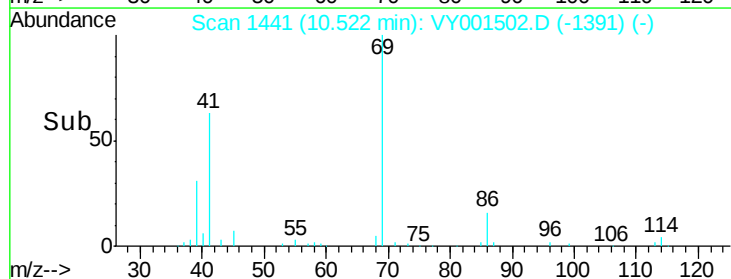
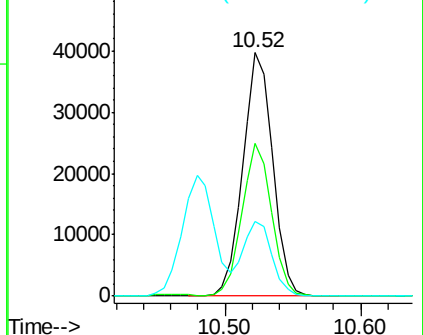
39 30.0 24.4 36.6

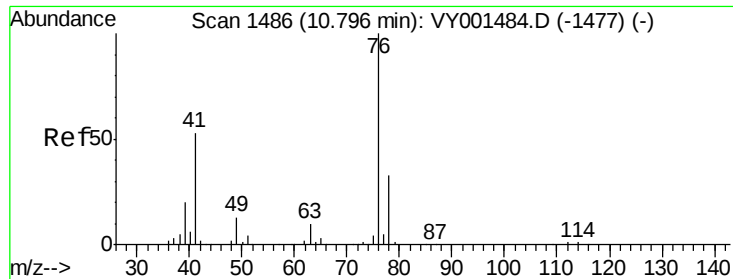


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

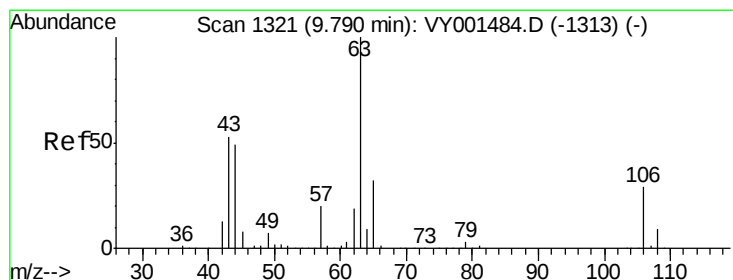
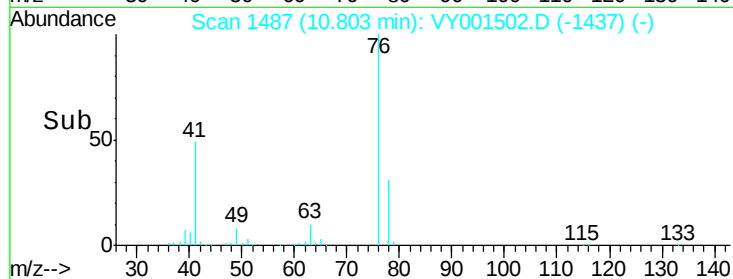
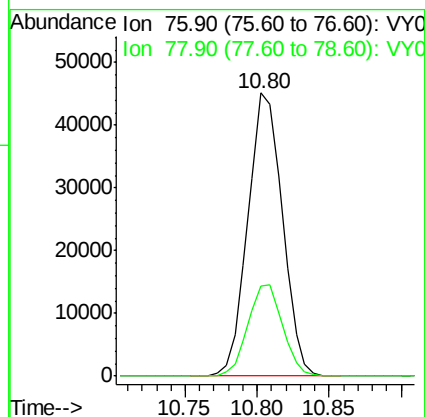
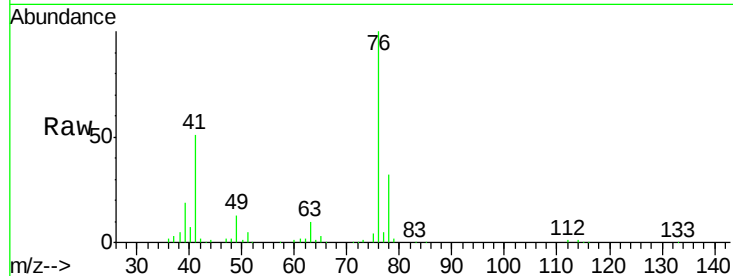




#57
 1,3-Dichloropropane
 Concen: 20.32 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VY001502.D
 Acq: 05 Feb 2020 13:07

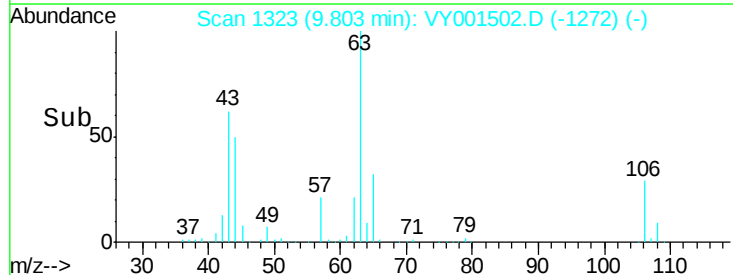
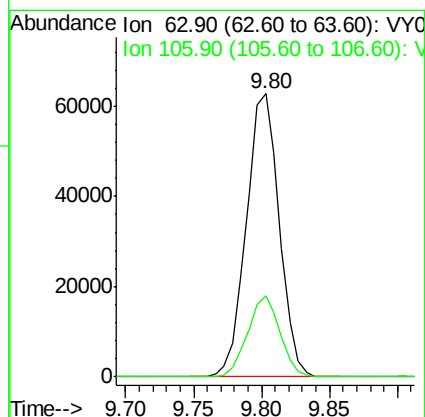
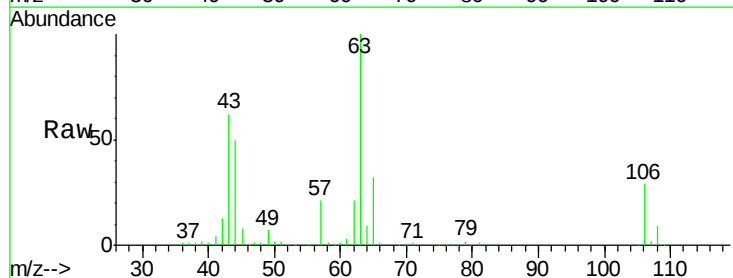
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0205SBS01

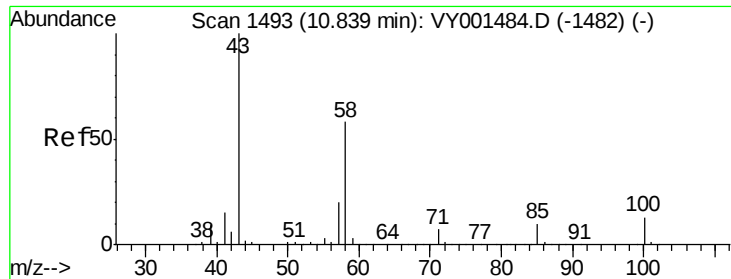
Tgt Ion: 76 Resp: 74901
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.29 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY001502.D
 Acq: 05 Feb 2020 13:07

Tgt Ion: 63 Resp: 106440
 Ion Ratio Lower Upper
 63 100
 106 28.2 24.0 36.0

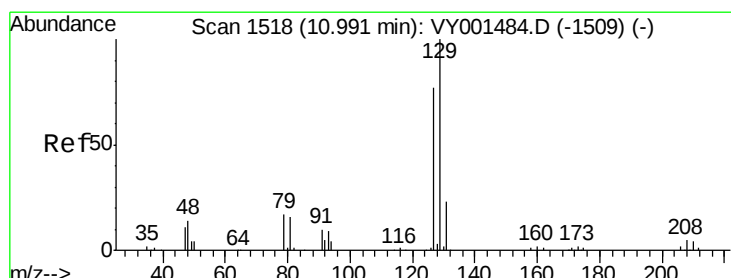
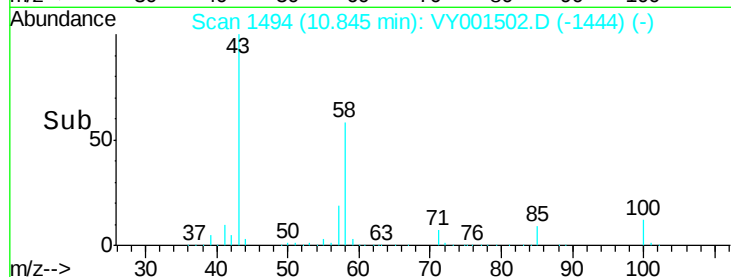
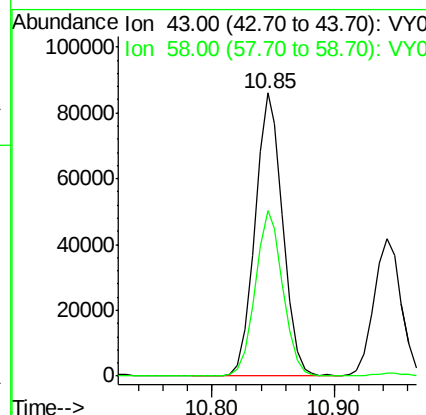
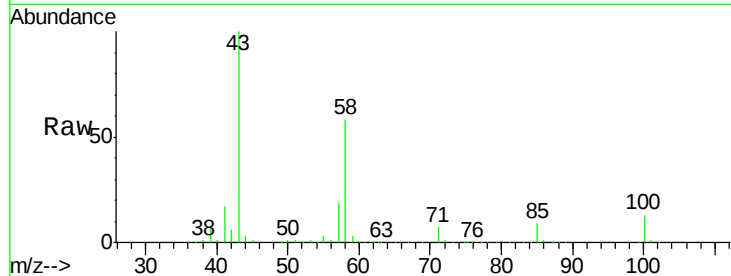




#59
2-Hexanone
Concen: 104.72 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001502.D
Acq: 05 Feb 2020 13:07

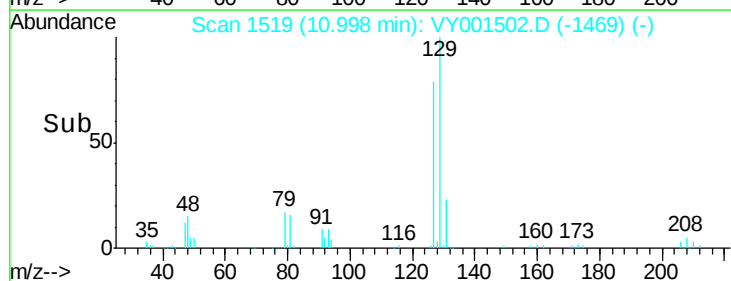
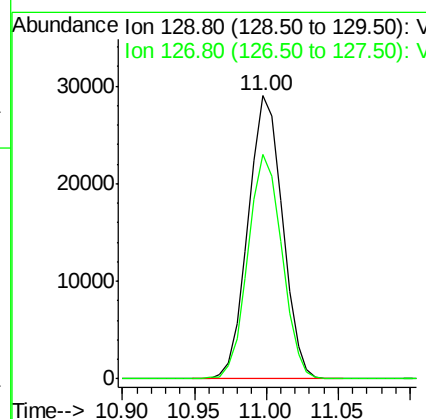
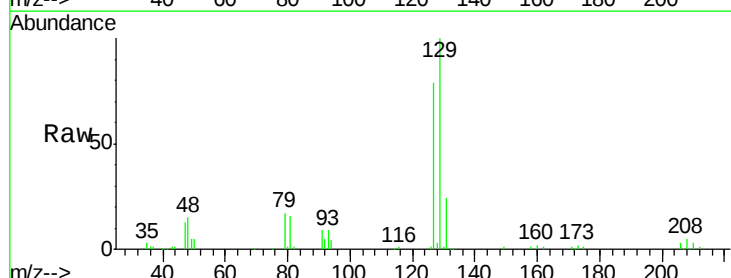
Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

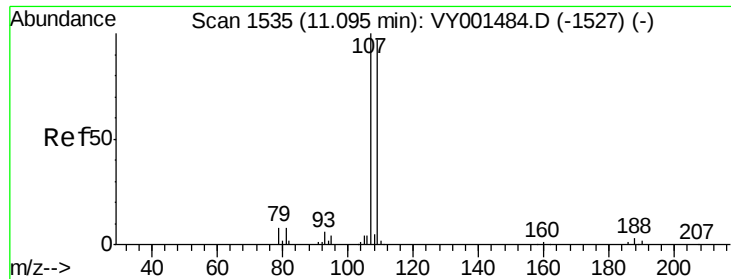
Tgt Ion: 43 Resp: 135419
Ion Ratio Lower Upper
43 100
58 58.0 29.0 87.0



#60
Dibromochloromethane
Concen: 19.43 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VY001502.D
Acq: 05 Feb 2020 13:07

Tgt Ion: 129 Resp: 47875
Ion Ratio Lower Upper
129 100
127 78.4 38.9 116.6

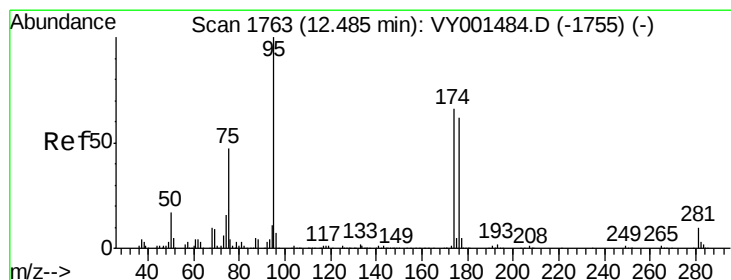
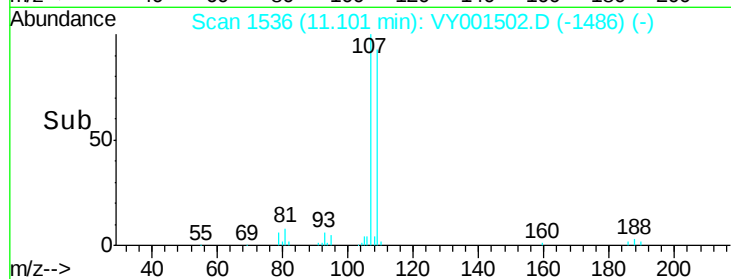
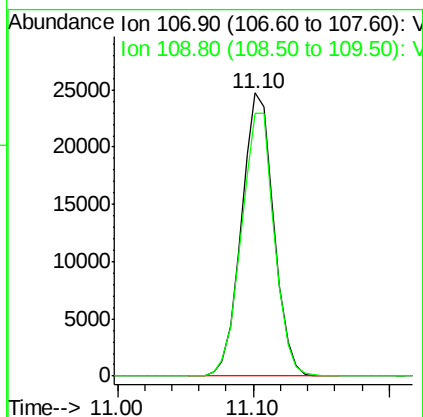
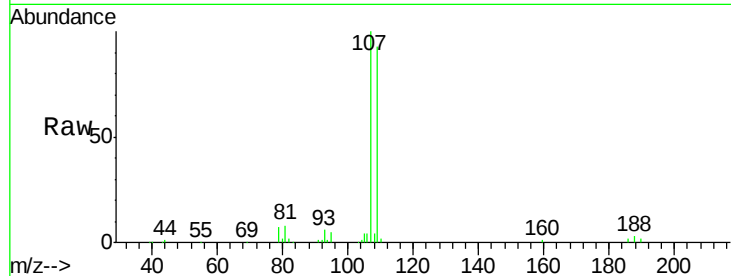




#61
 1,2-Dibromoethane
 Concen: 19.87 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VY001502.D
 Acq: 05 Feb 2020 13:07

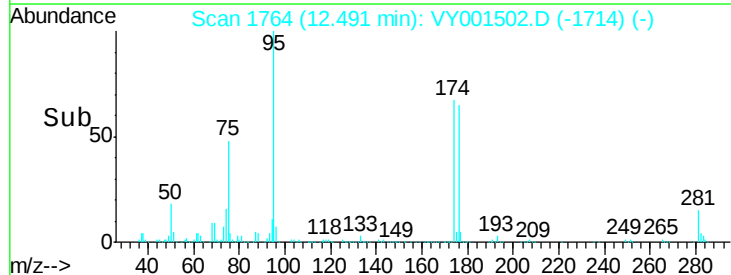
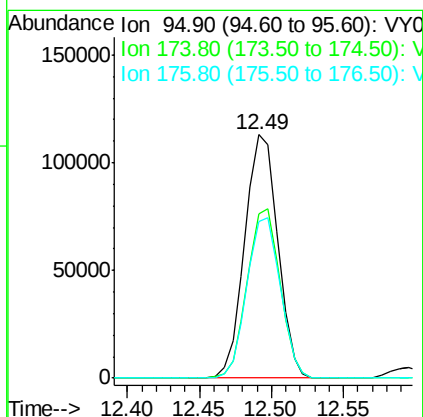
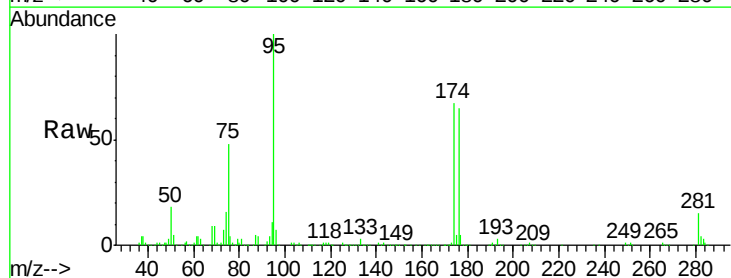
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0205SBS01

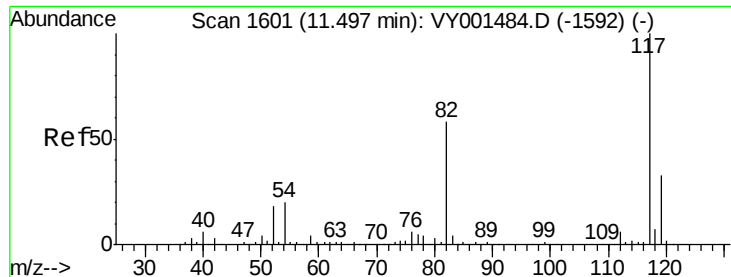
Tgt Ion: 107 Resp: 40923
 Ion Ratio Lower Upper
 107 100
 109 94.9 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 50.67 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: VY001502.D
 Acq: 05 Feb 2020 13:07

Tgt Ion: 95 Resp: 179366
 Ion Ratio Lower Upper
 95 100
 174 69.1 0.0 141.4
 176 66.8 0.0 135.4

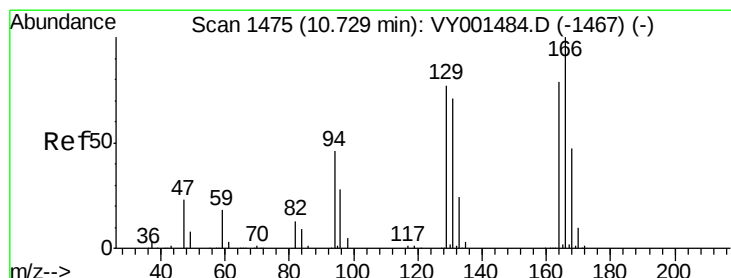
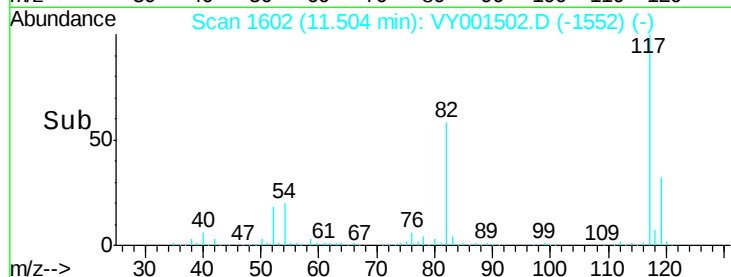
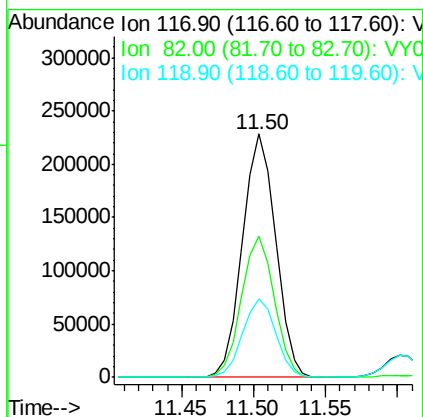
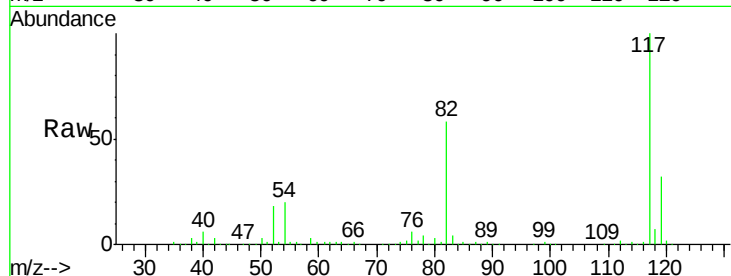




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001502.D
Acq: 05 Feb 2020 13:07

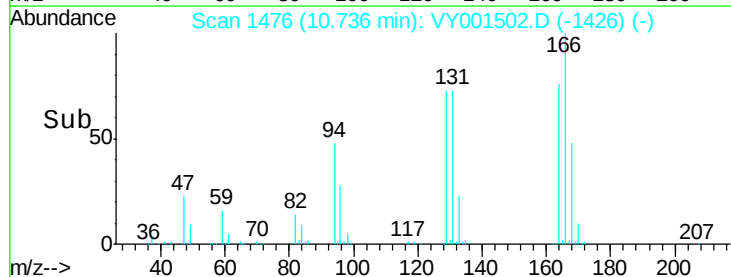
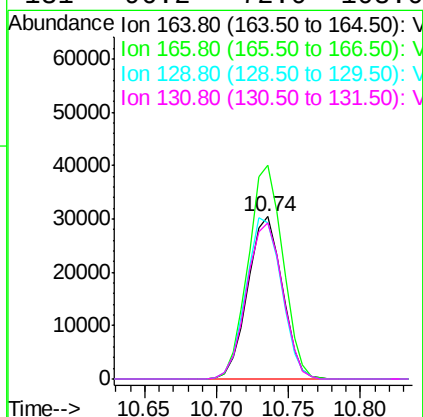
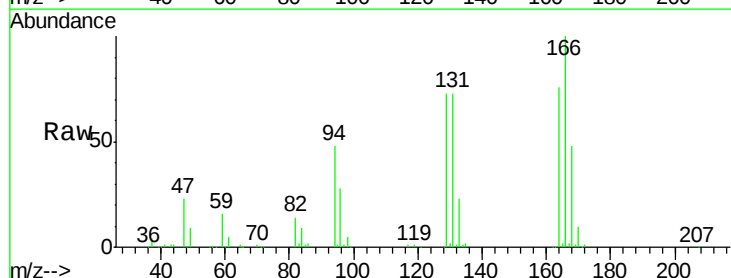
Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

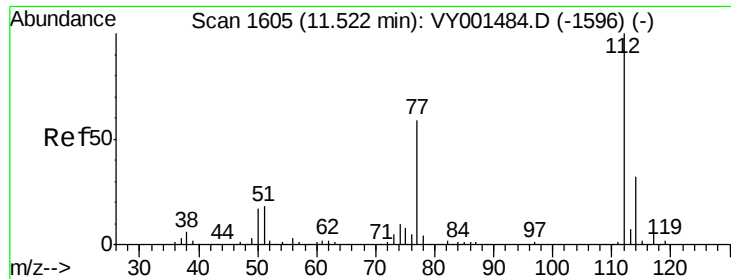
Tgt Ion:117 Resp: 364803
Ion Ratio Lower Upper
117 100
82 57.8 46.1 69.1
119 32.0 26.1 39.1



#64
Tetrachloroethene
Concen: 21.12 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001502.D
Acq: 05 Feb 2020 13:07

Tgt Ion:164 Resp: 50517
Ion Ratio Lower Upper
164 100
166 131.9 100.8 151.2
129 96.7 77.8 116.6
131 96.2 72.0 108.0

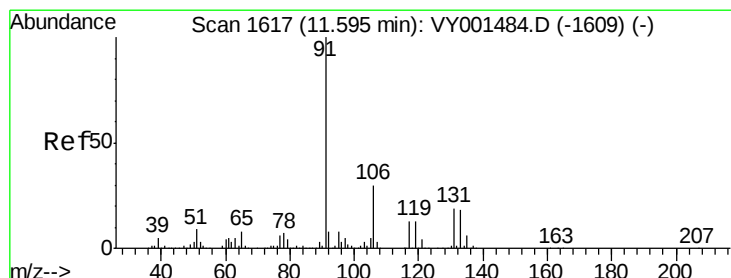
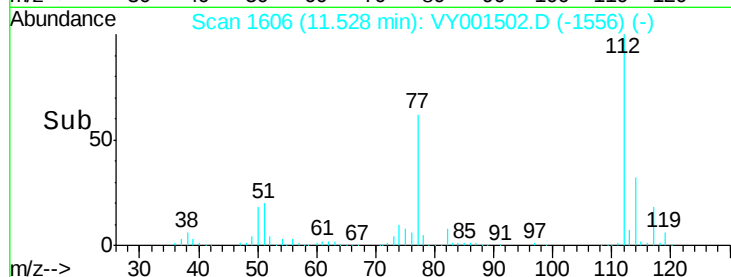
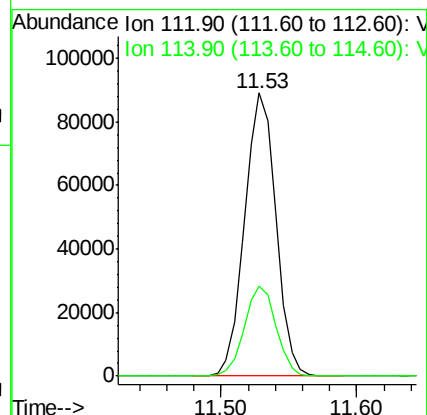
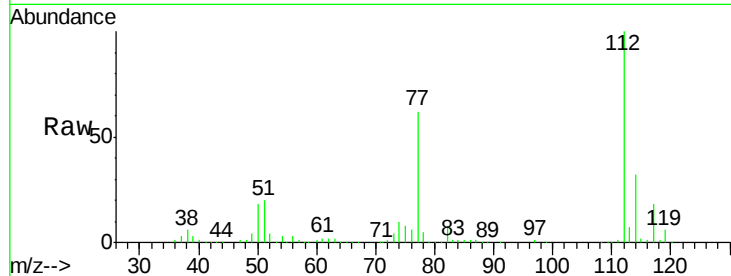




#65
Chlorobenzene
Concen: 20.03 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY001502.D
Acq: 05 Feb 2020 13:07

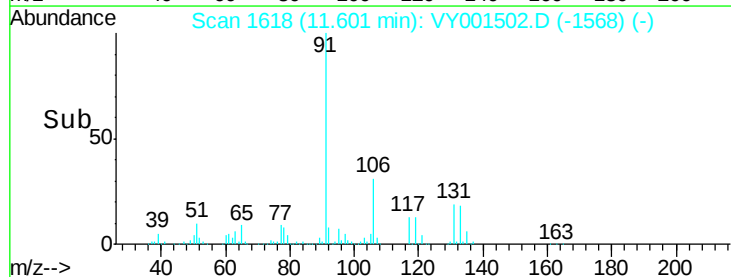
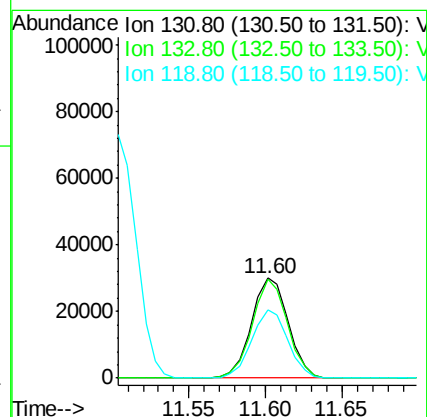
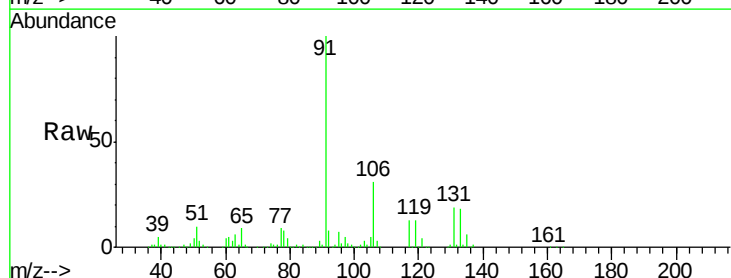
Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

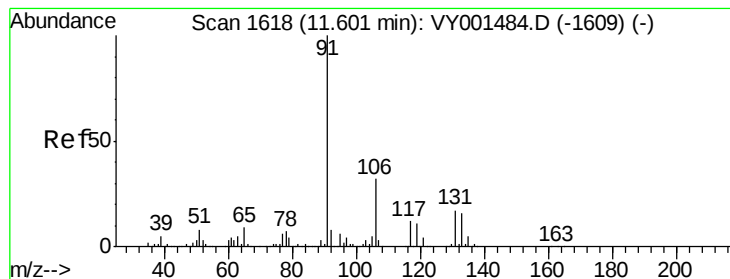
Tgt Ion:112 Resp: 143444
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 19.93 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY001502.D
Acq: 05 Feb 2020 13:07

Tgt Ion:131 Resp: 49975
Ion Ratio Lower Upper
131 100
133 95.0 47.9 143.8
119 67.6 33.7 101.0





#67

Ethyl Benzene

Concen: 20.40 ug/l

RT: 11.61 min Scan# 1619

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

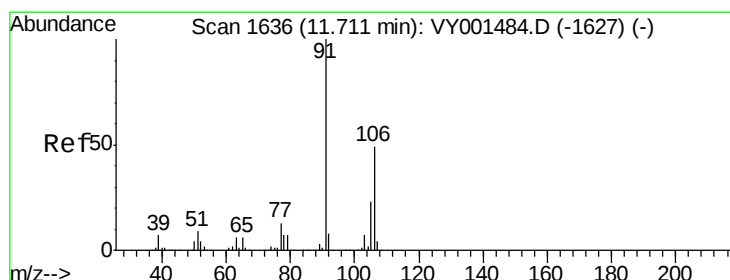
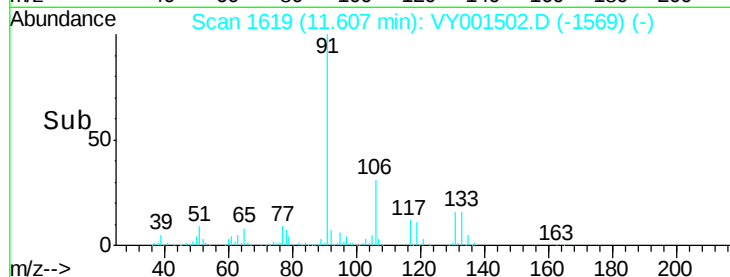
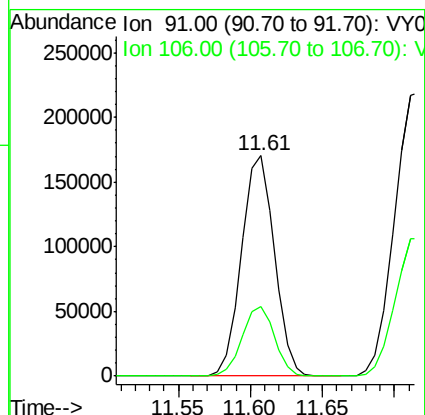
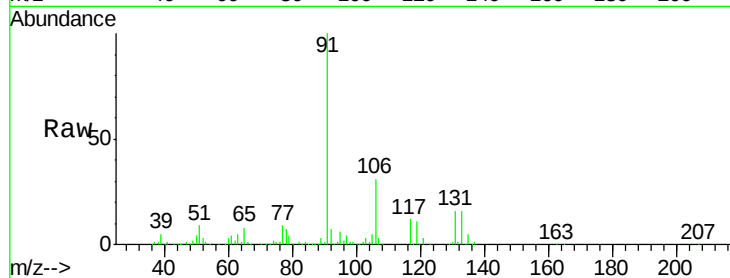
VY0205SBS01

Tgt Ion: 91 Resp: 270226

Ion Ratio Lower Upper

91 100

106 31.5 25.3 37.9



#68

m/p-Xylenes

Concen: 40.37 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VY001502.D

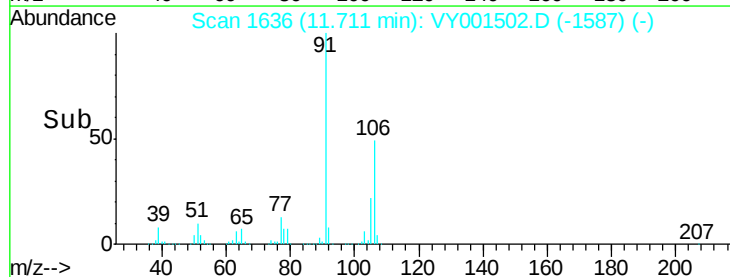
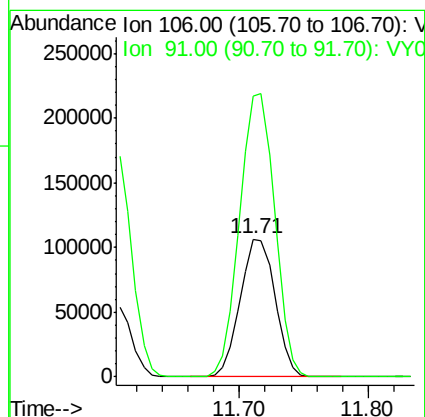
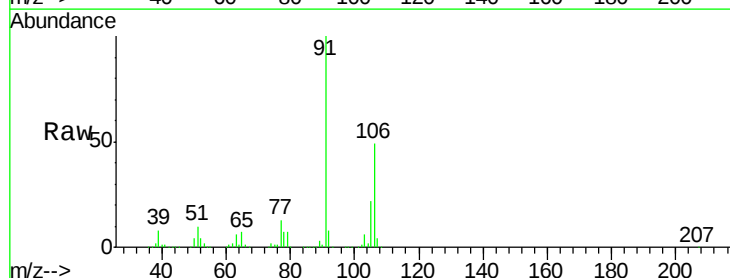
Acq: 05 Feb 2020 13:07

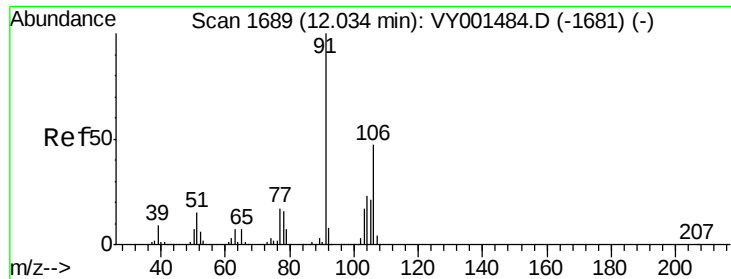
Tgt Ion: 106 Resp: 200728

Ion Ratio Lower Upper

106 100

91 206.1 163.6 245.4

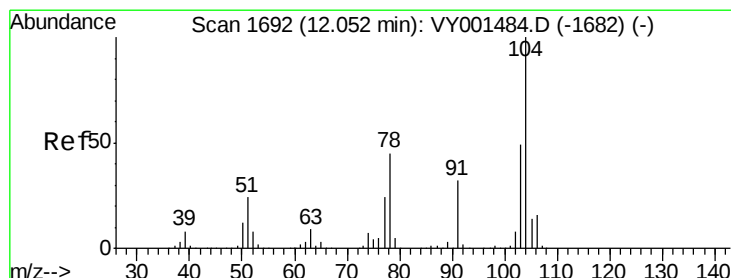
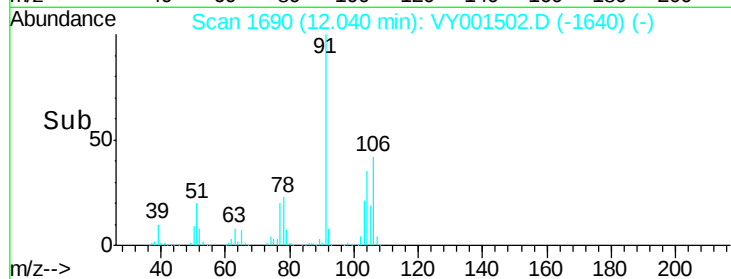
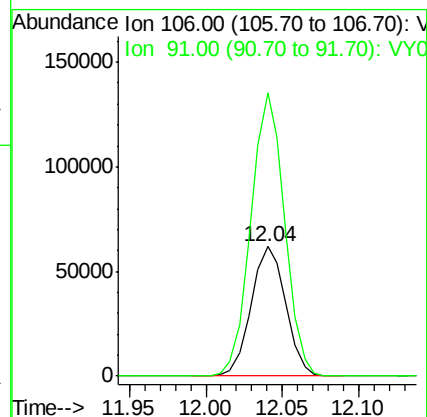
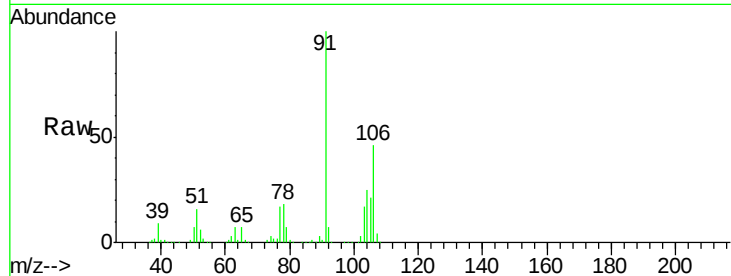




#69
o-Xylene
Concen: 20.70 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001502.D
Acq: 05 Feb 2020 13:07

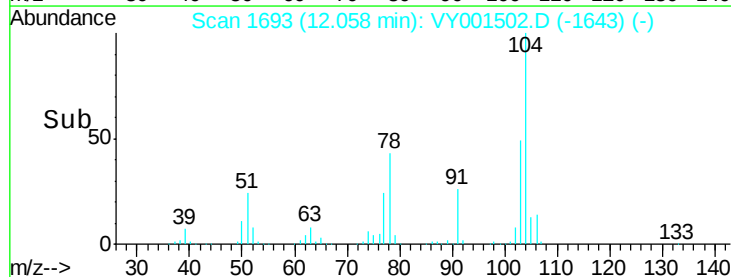
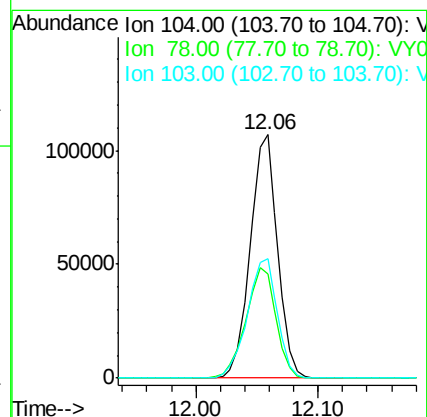
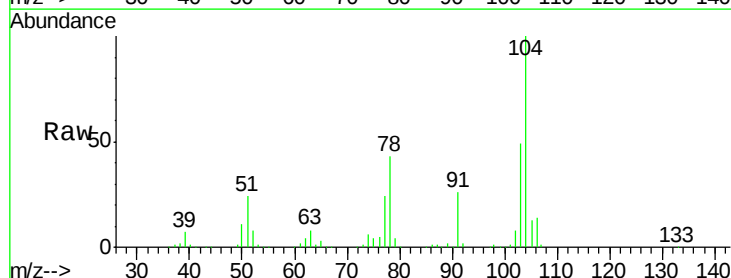
Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBSD01

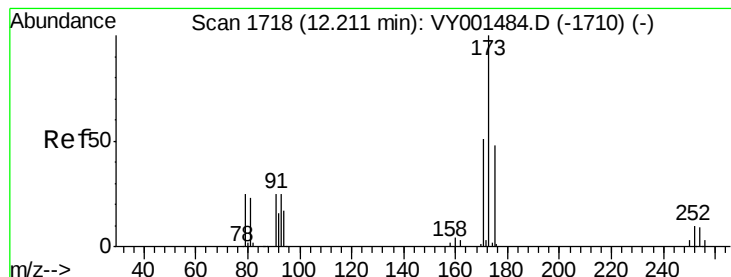
Tgt Ion:106 Resp: 97053
Ion Ratio Lower Upper
106 100
91 212.3 106.0 318.0



#70
Styrene
Concen: 20.46 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001502.D
Acq: 05 Feb 2020 13:07

Tgt Ion:104 Resp: 165825
Ion Ratio Lower Upper
104 100
78 50.1 40.4 60.6
103 54.0 42.8 64.2





#71

Bromoform

Concen: 19.35 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0205SBS01

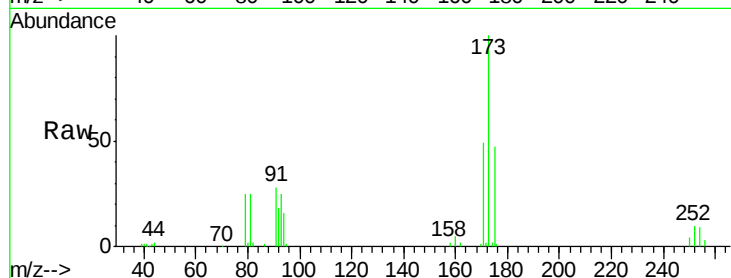
Tgt Ion:173 Resp: 27005

Ion Ratio Lower Upper

173 100

175 48.5 24.0 72.0

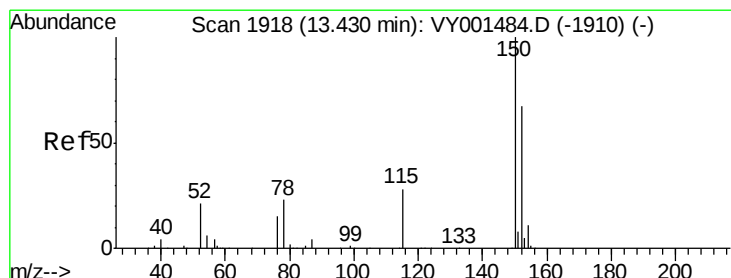
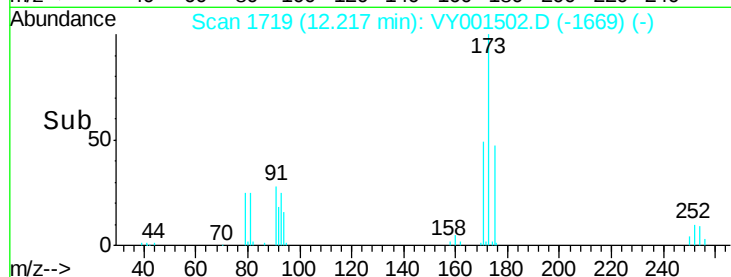
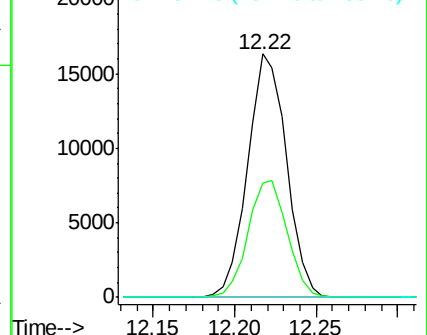
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

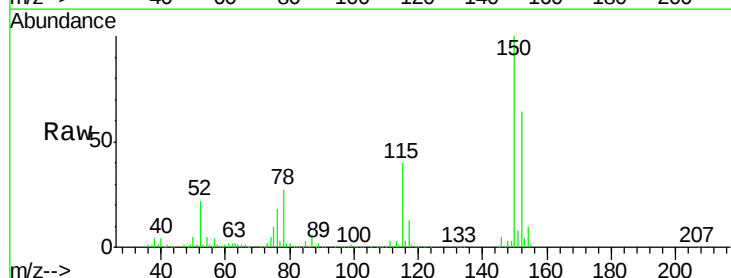
Tgt Ion:152 Resp: 168765

Ion Ratio Lower Upper

152 100

115 62.7 31.4 94.3

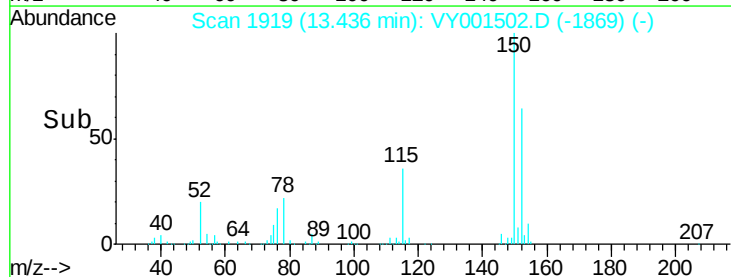
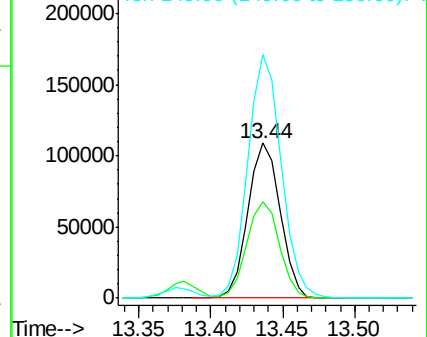
150 163.1 0.0 346.8

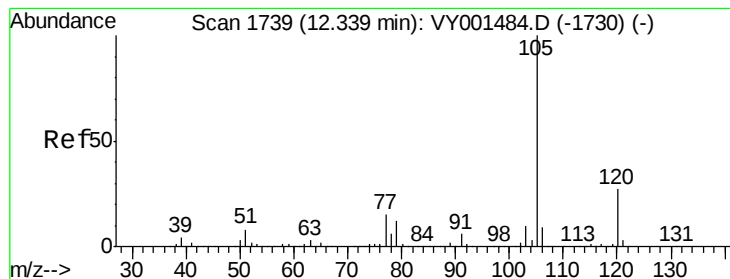


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.15 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

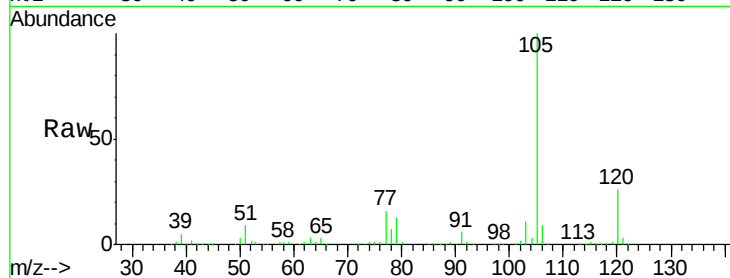
VY0205SBSD01

Tgt Ion: 105 Resp: 259329

Ion Ratio Lower Upper

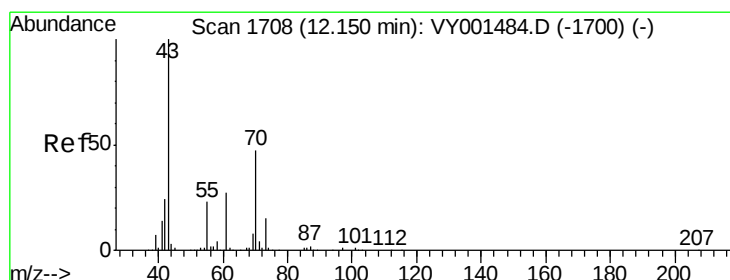
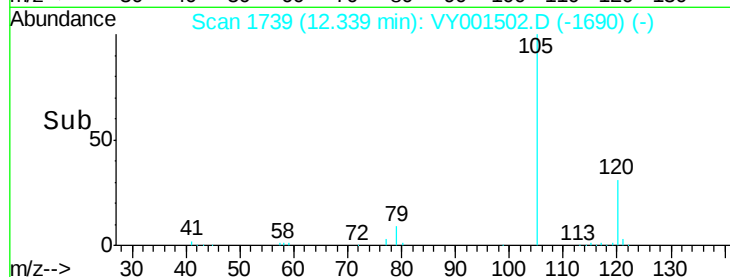
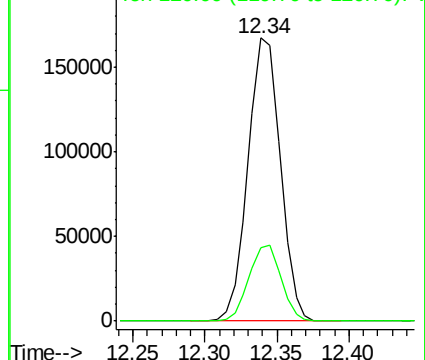
105 100

120 26.7 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.64 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

Tgt Ion: 43 Resp: 69039

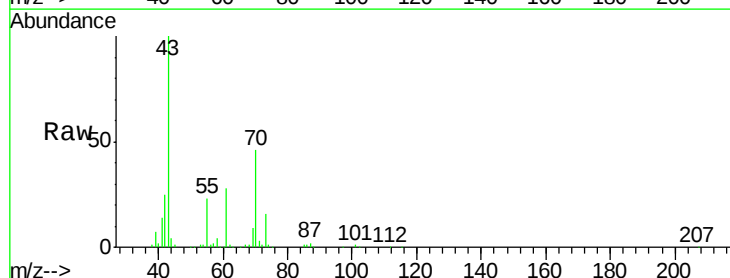
Ion Ratio Lower Upper

43 100

70 45.7 37.2 55.8

55 23.4 18.8 28.2

61 26.1 21.4 32.2

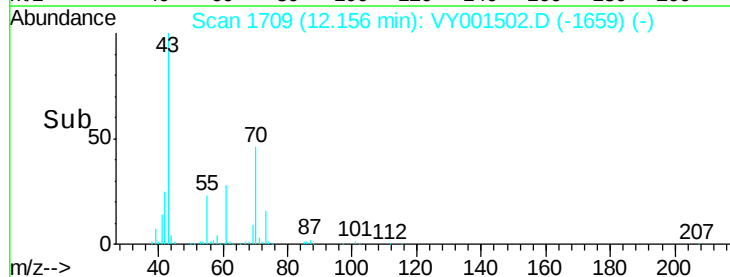
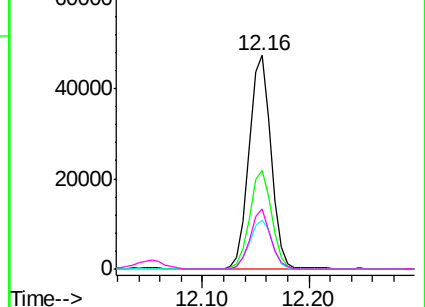


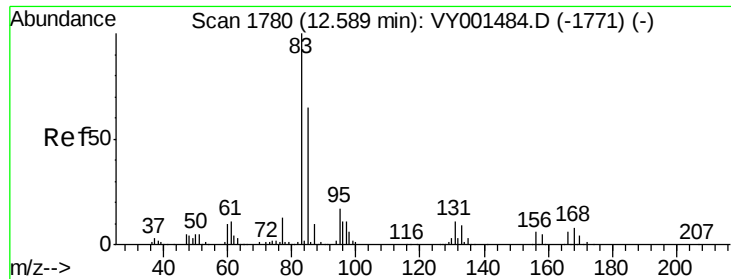
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.55 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0205SBS01

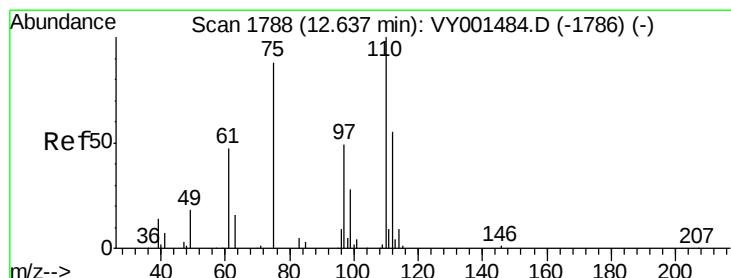
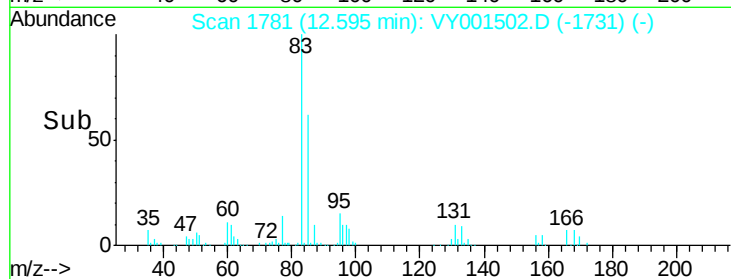
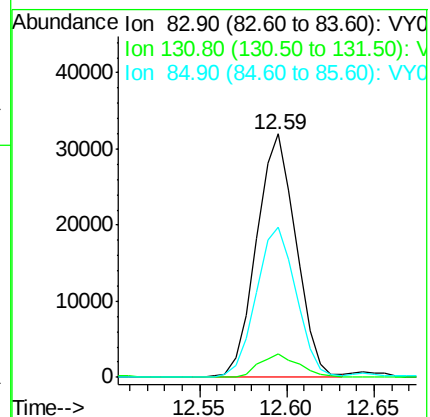
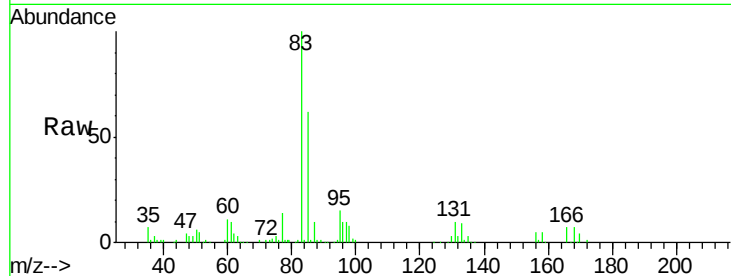
Tgt Ion: 83 Resp: 50251

Ion Ratio Lower Upper

83 100

131 10.1 5.4 16.2

85 62.7 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 37.38 ug/l

RT: 12.64 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VY001502.D

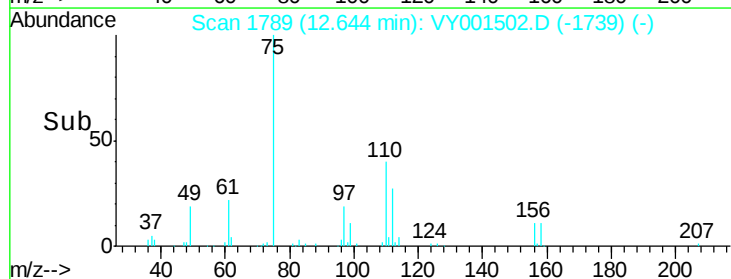
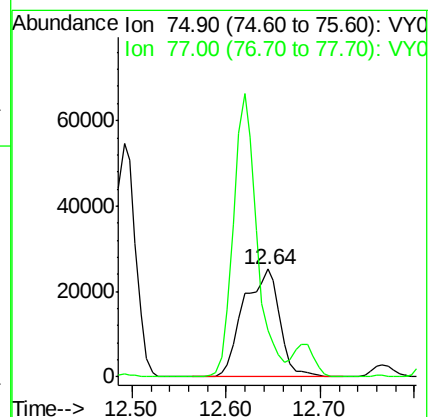
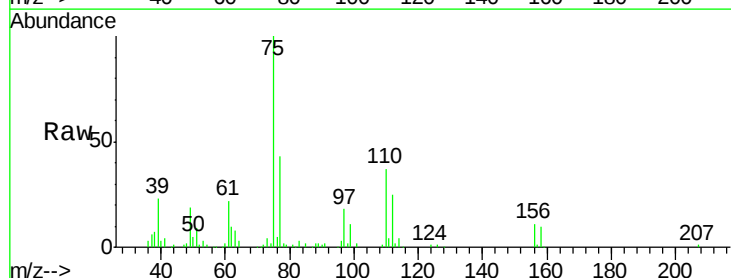
Acq: 05 Feb 2020 13:07

Tgt Ion: 75 Resp: 67833

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.80 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0205SBS01

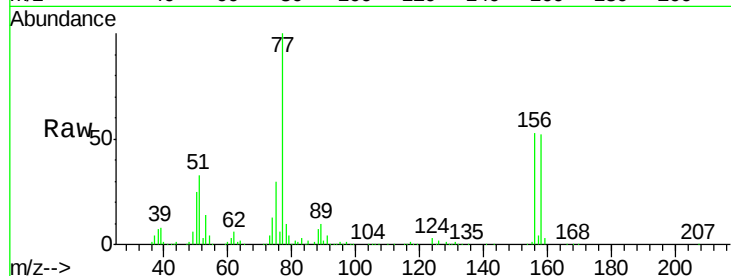
Tgt Ion:156 Resp: 55146

Ion Ratio Lower Upper

156 100

77 209.5 99.8 299.3

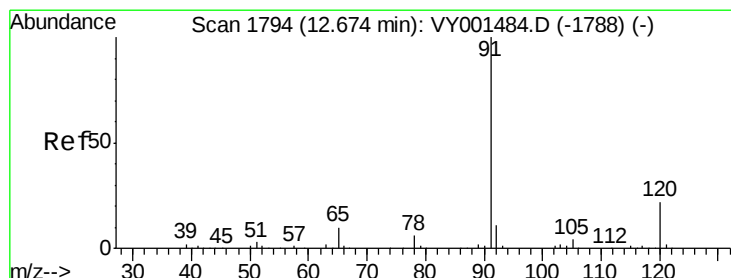
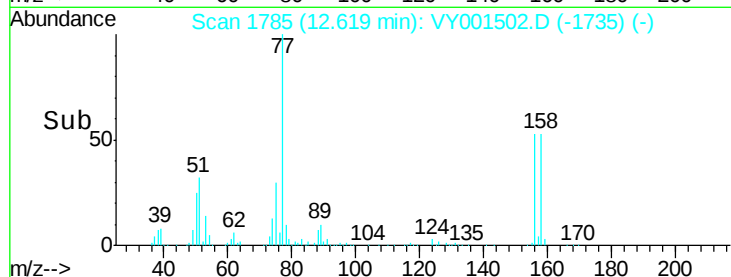
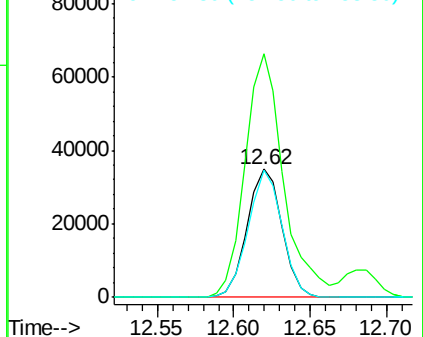
158 96.3 47.5 142.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.58 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.01 min

Lab File: VY001502.D

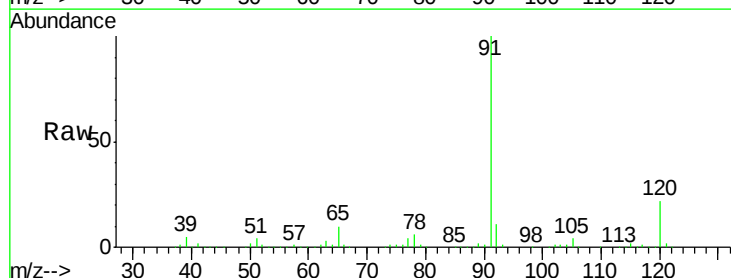
Acq: 05 Feb 2020 13:07

Tgt Ion: 91 Resp: 317130

Ion Ratio Lower Upper

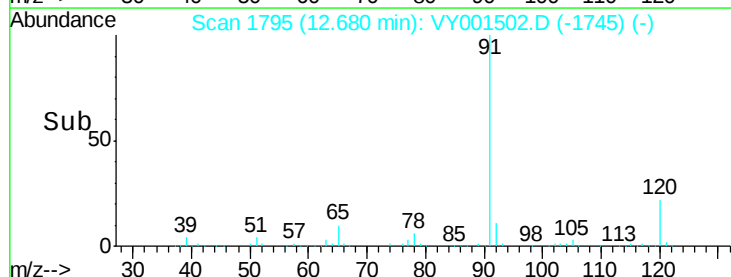
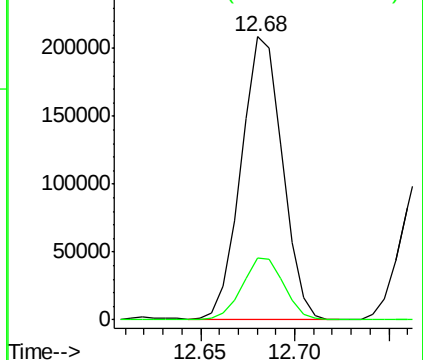
91 100

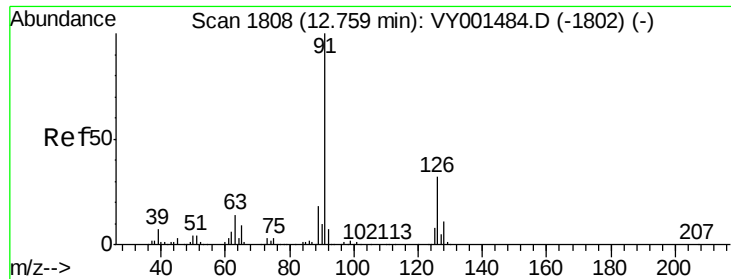
120 22.2 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.19 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

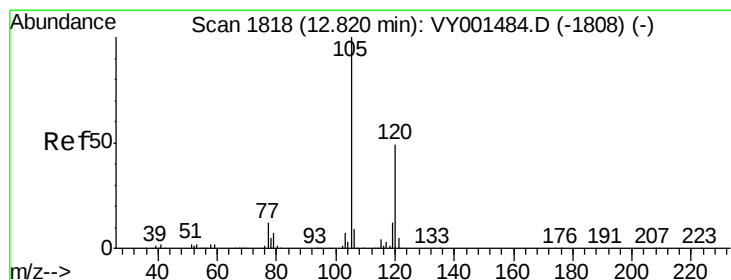
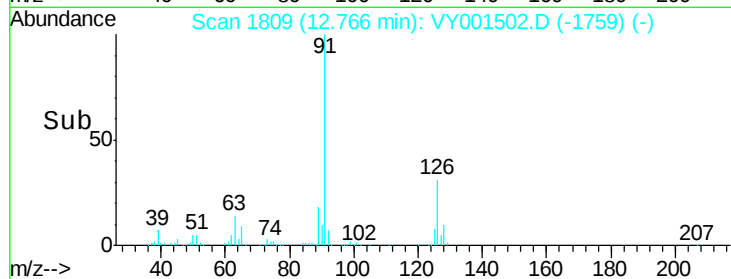
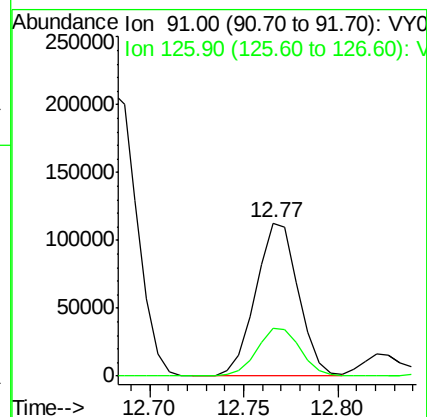
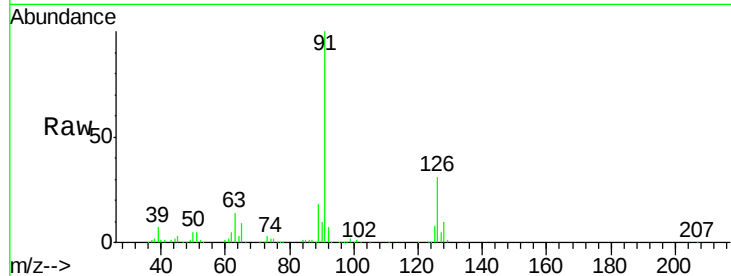
VY0205SBS01

Tgt Ion: 91 Resp: 177323

Ion Ratio Lower Upper

91 100

126 32.1 16.4 49.2



#80

1,3,5-Trimethylbenzene

Concen: 20.14 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001502.D

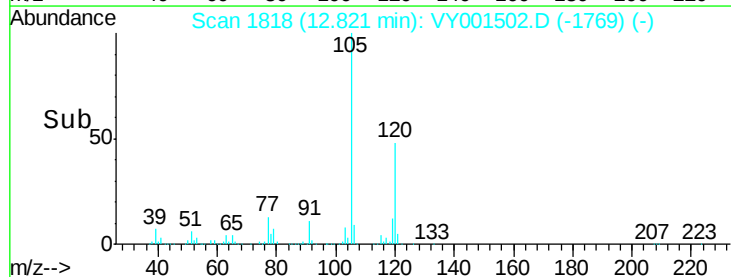
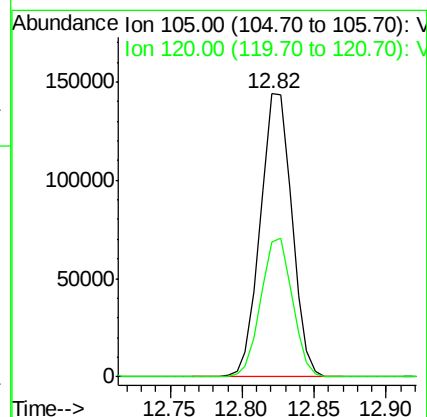
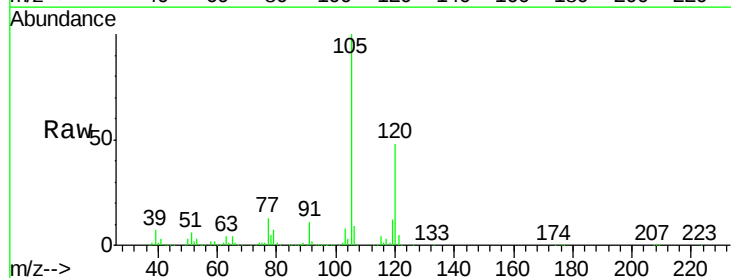
Acq: 05 Feb 2020 13:07

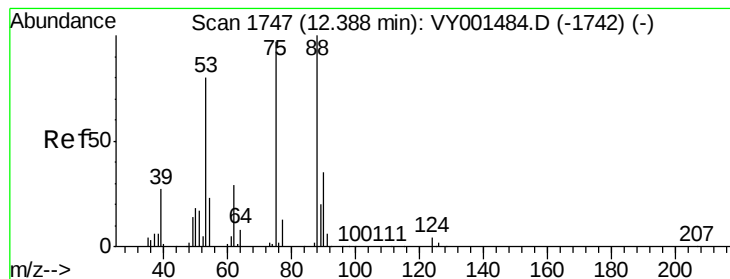
Tgt Ion: 105 Resp: 218327

Ion Ratio Lower Upper

105 100

120 48.7 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.25 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0205SBS01

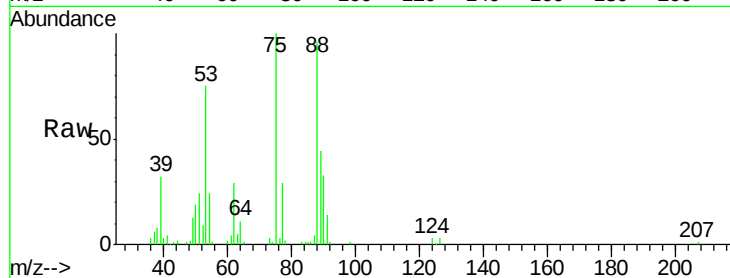
Tgt Ion: 75 Resp: 18995

Ion Ratio Lower Upper

75 100

53 84.6 67.7 101.5

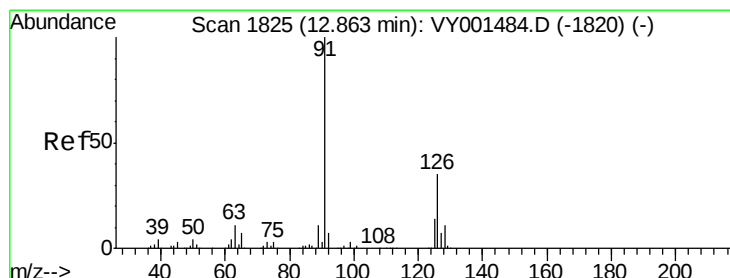
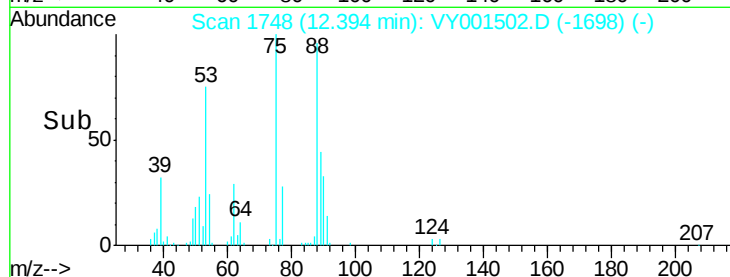
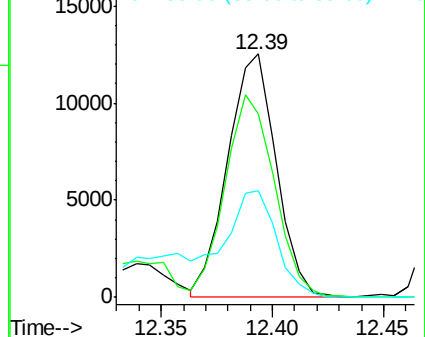
89 47.9 34.6 52.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 20.34 ug/l

RT: 12.87 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VY001502.D

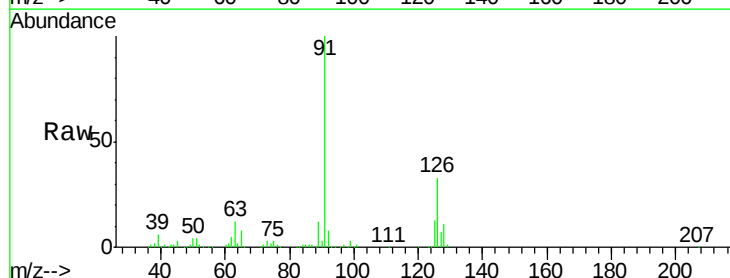
Acq: 05 Feb 2020 13:07

Tgt Ion: 91 Resp: 187283

Ion Ratio Lower Upper

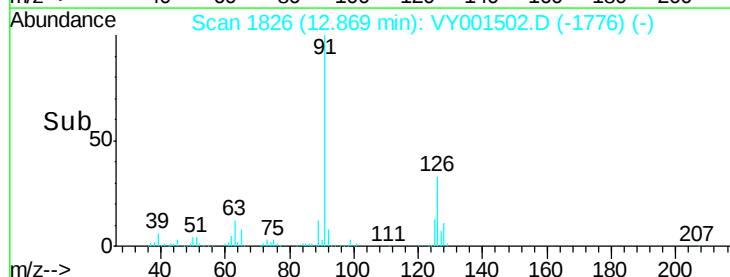
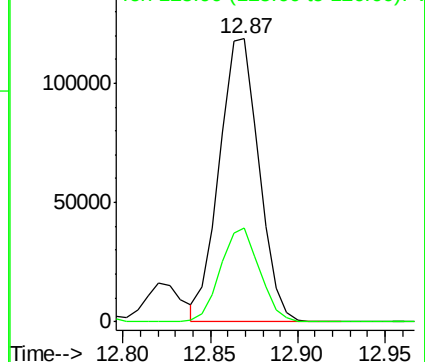
91 100

126 32.8 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

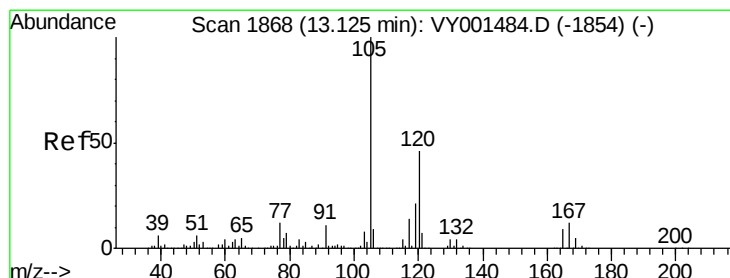
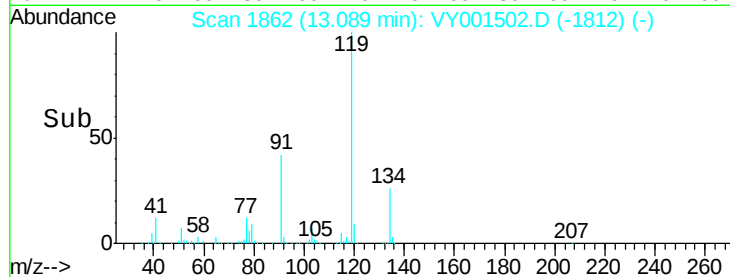
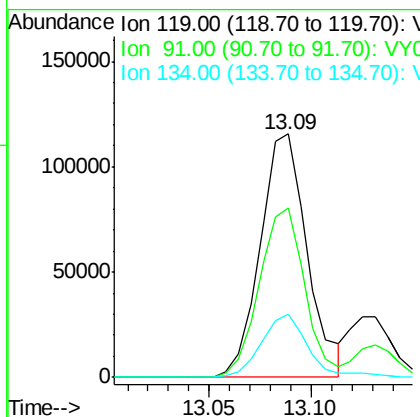
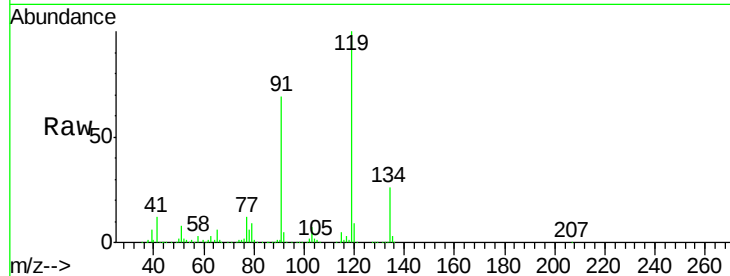




#83
 tert-Butylbenzene
 Concen: 20.23 ug/l
 RT: 13.09 min Scan# 1862
 Delta R.T. 0.01 min
 Lab File: VY001502.D
 Acq: 05 Feb 2020 13:07

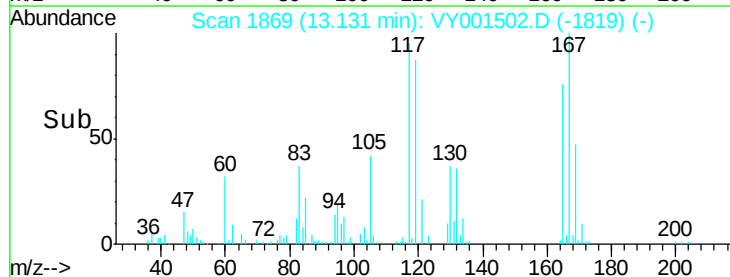
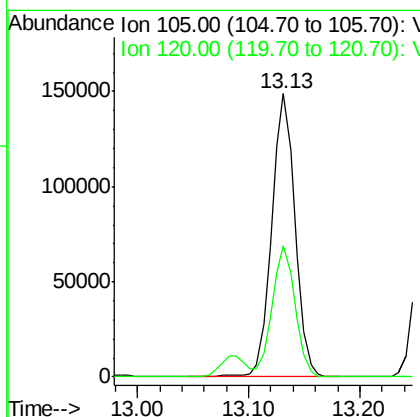
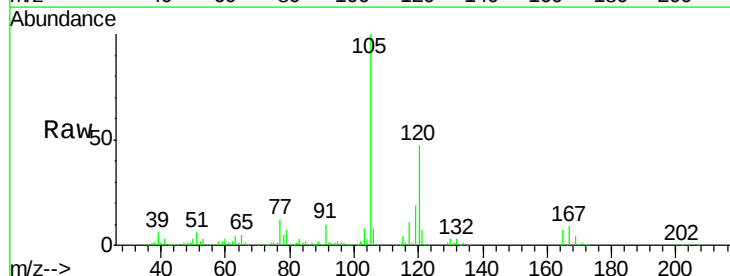
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0205SBS01

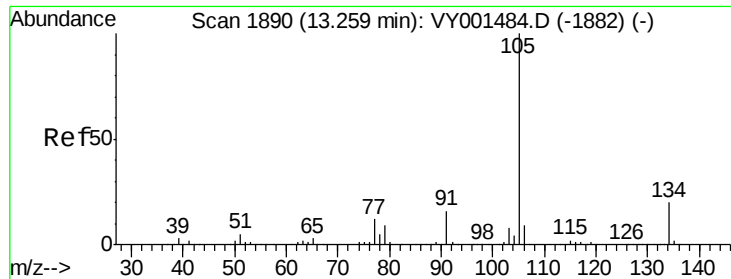
Tgt Ion:119 Resp: 185386
 Ion Ratio Lower Upper
 119 100
 91 67.2 33.1 99.3
 134 25.9 13.0 39.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.20 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VY001502.D
 Acq: 05 Feb 2020 13:07

Tgt Ion:105 Resp: 216679
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.4 67.0

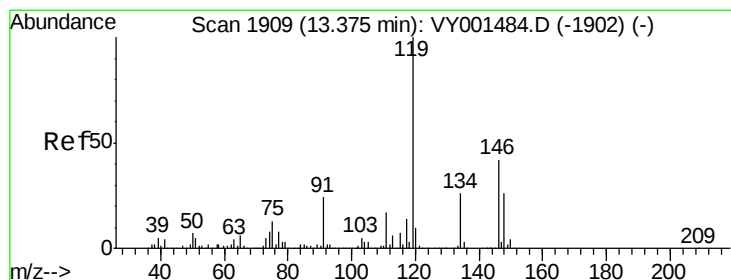
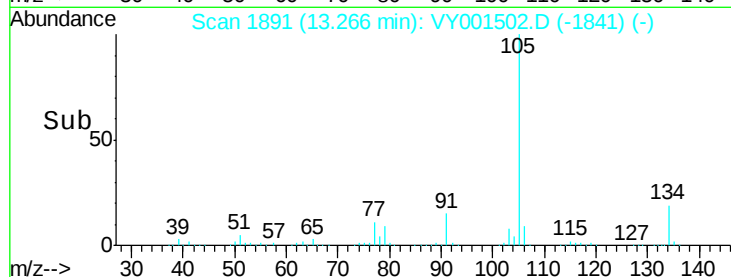
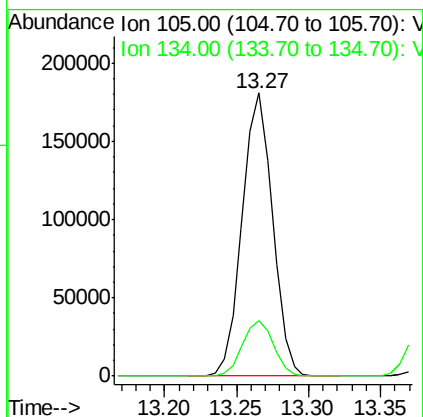
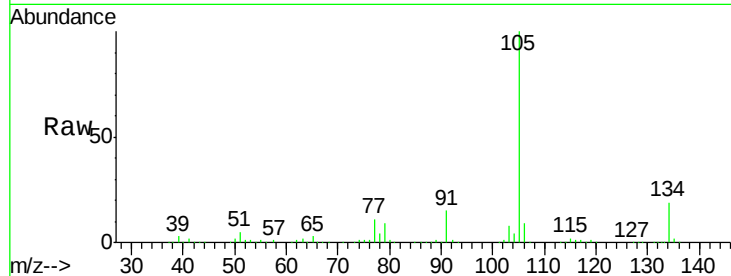




#85
 sec-Butylbenzene
 Concen: 20.58 ug/l
 RT: 13.27 min Scan# 1891
 Delta R.T. 0.01 min
 Lab File: VY001502.D
 Acq: 05 Feb 2020 13:07

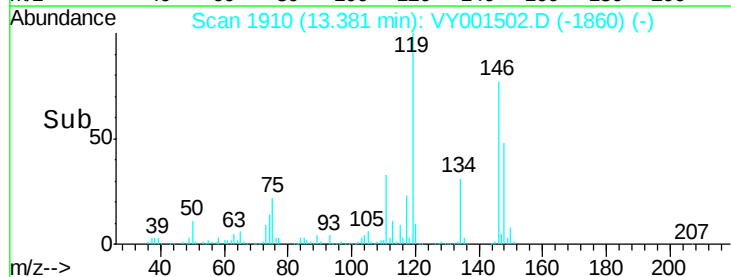
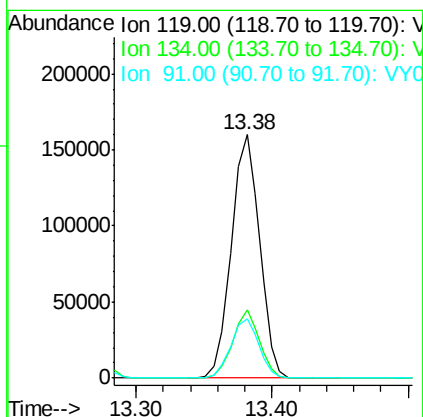
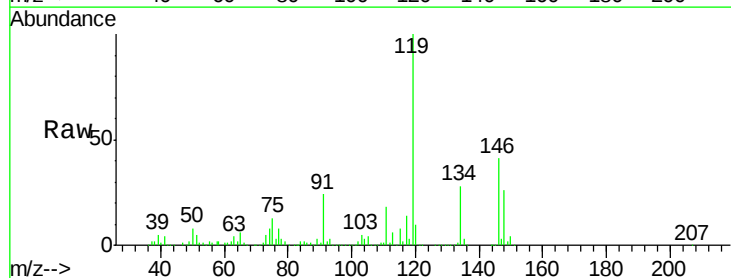
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0205SBS01

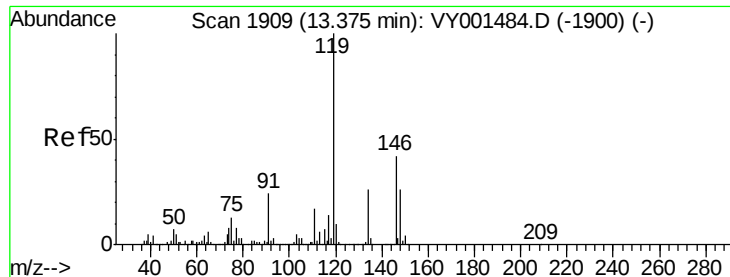
Tgt Ion:105 Resp: 265142
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 20.37 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY001502.D
 Acq: 05 Feb 2020 13:07

Tgt Ion:119 Resp: 231279
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.3 39.8
 91 24.3 12.2 36.6

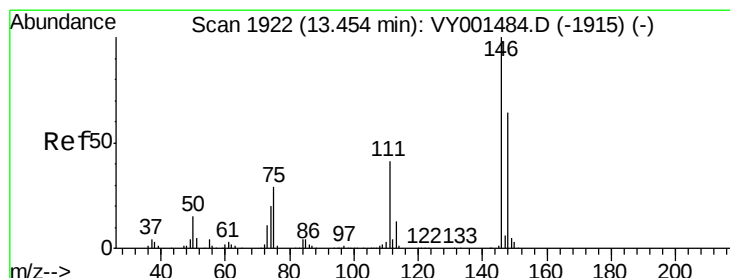
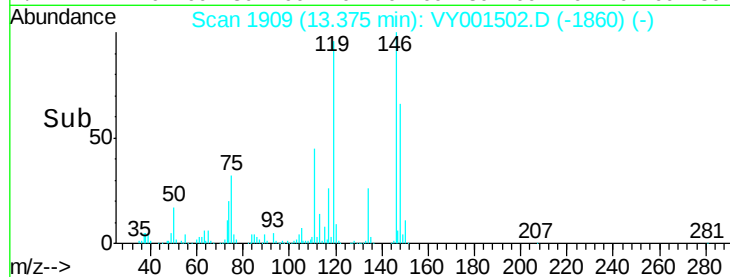
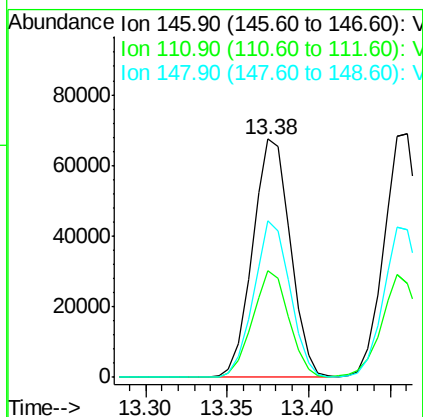
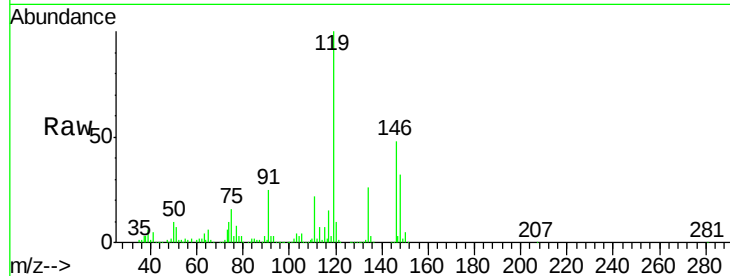




#87
 1,3-Dichlorobenzene
 Concen: 20.22 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001502.D
 Acq: 05 Feb 2020 13:07

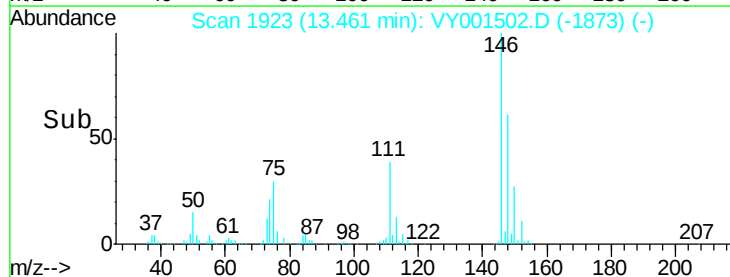
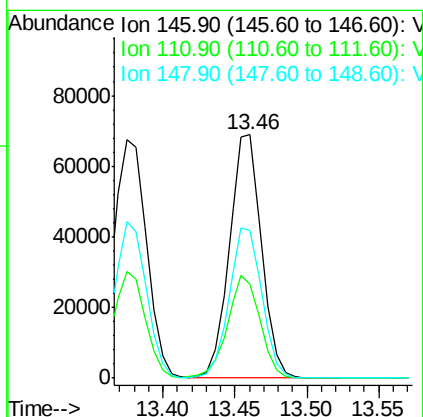
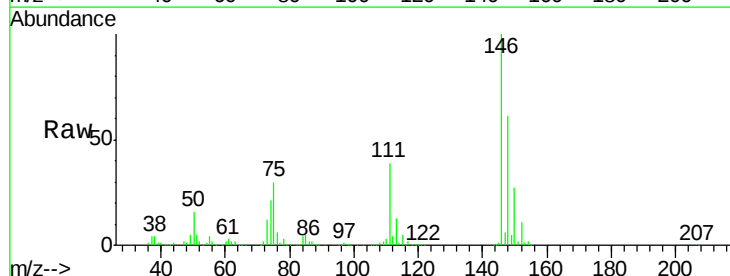
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0205SBSD01

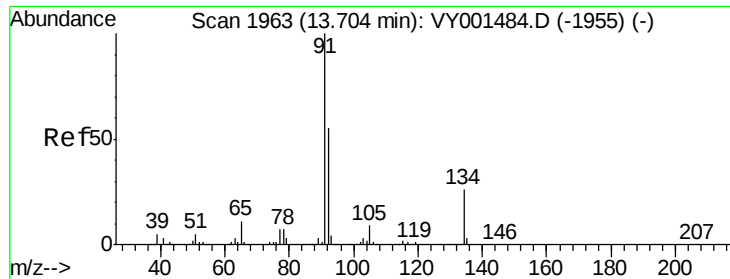
Tgt Ion:146 Resp: 107966
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.3 63.9
 148 63.3 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 20.02 ug/l
 RT: 13.46 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VY001502.D
 Acq: 05 Feb 2020 13:07

Tgt Ion:146 Resp: 107052
 Ion Ratio Lower Upper
 146 100
 111 43.1 20.7 62.1
 148 63.2 32.1 96.5

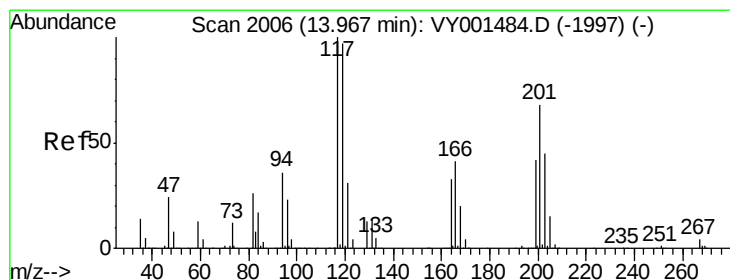
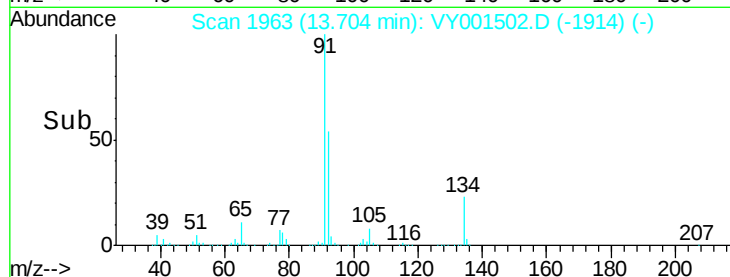
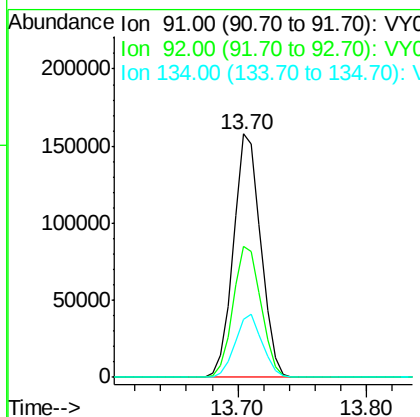
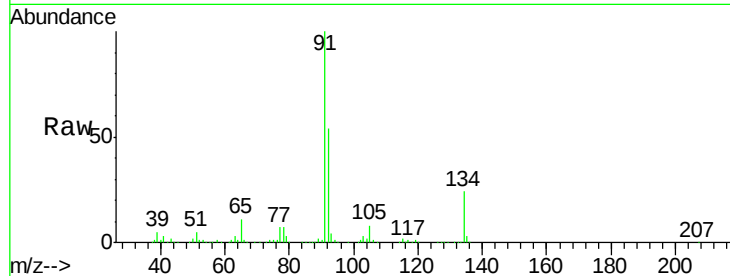




#89
n-Butylbenzene
Concen: 20.75 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001502.D
Acq: 05 Feb 2020 13:07

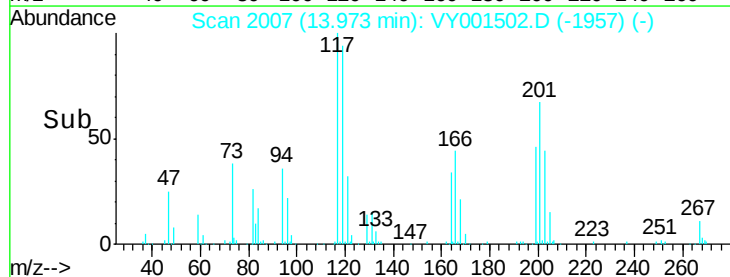
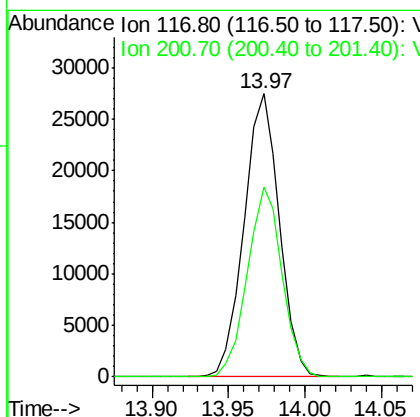
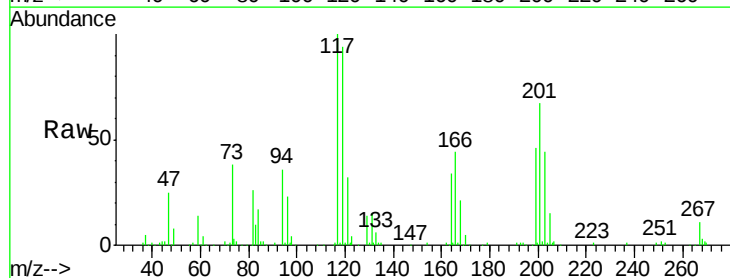
Instrument :
MSVOA_Y
ClientSampleId :
VY0205SBS01

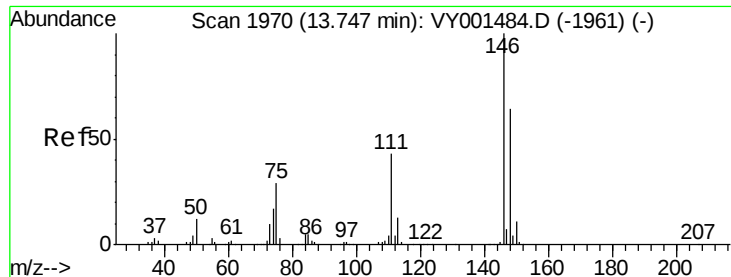
Tgt Ion: 91 Resp: 232464
Ion Ratio Lower Upper
91 100
92 54.9 27.3 81.9
134 25.3 13.0 38.9



#90
Hexachloroethane
Concen: 20.13 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY001502.D
Acq: 05 Feb 2020 13:07

Tgt Ion: 117 Resp: 43858
Ion Ratio Lower Upper
117 100
201 66.3 34.1 102.3

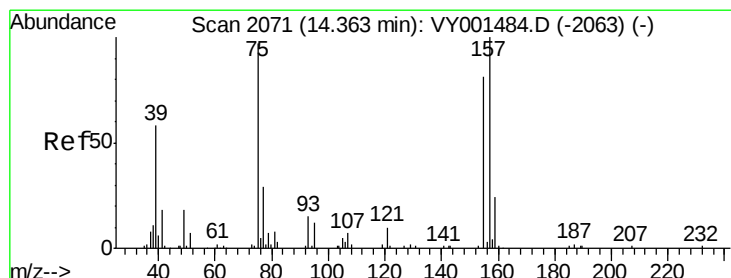
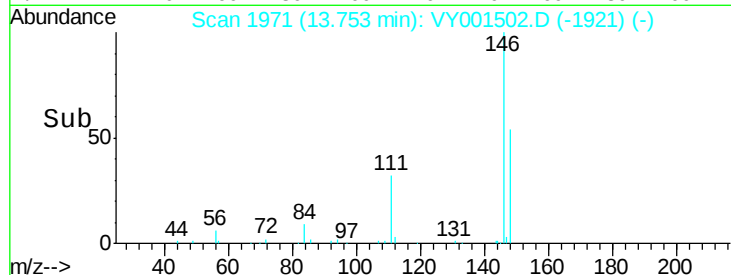
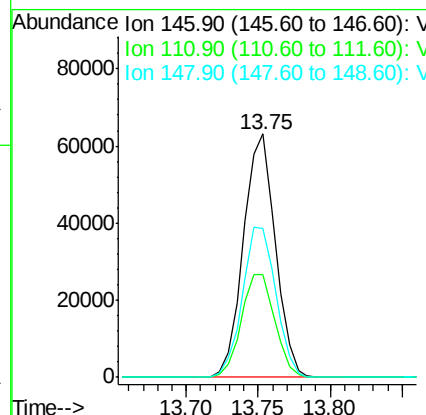
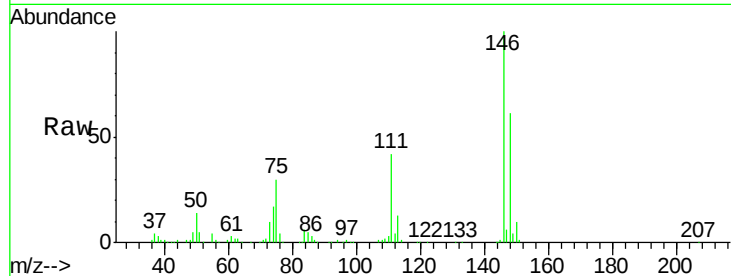




#91
 1,2-Dichlorobenzene
 Concen: 20.07 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY001502.D
 Acq: 05 Feb 2020 13:07

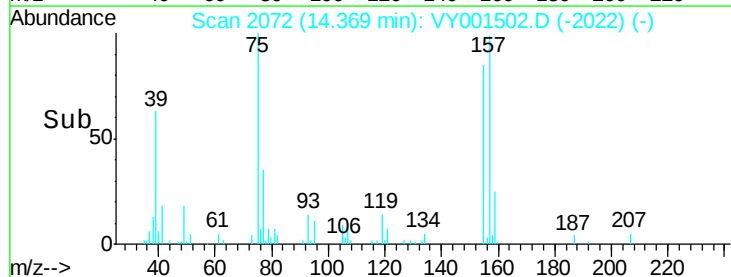
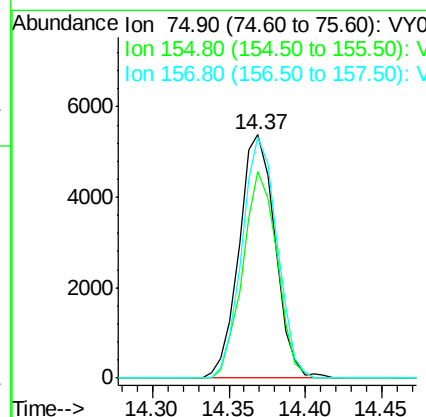
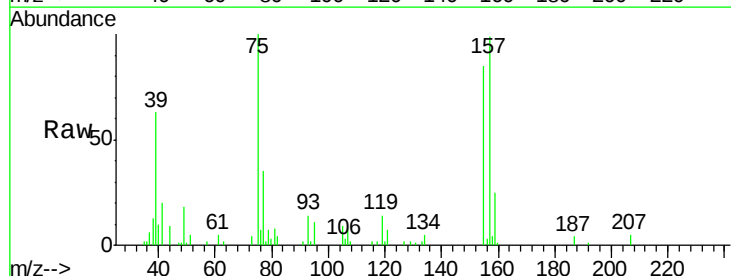
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0205SBS01

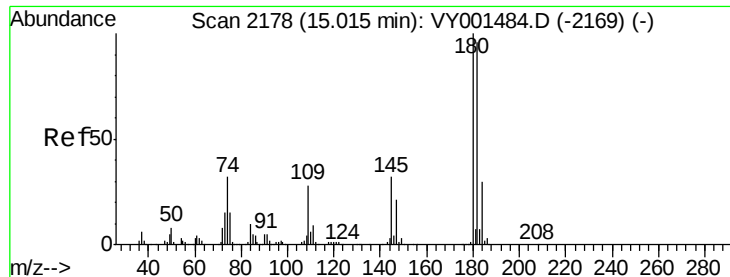
Tgt Ion:146 Resp: 97115
 Ion Ratio Lower Upper
 146 100
 111 44.5 21.9 65.8
 148 64.5 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.51 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY001502.D
 Acq: 05 Feb 2020 13:07

Tgt Ion: 75 Resp: 8810
 Ion Ratio Lower Upper
 75 100
 155 81.0 40.7 122.1
 157 96.4 52.3 157.1

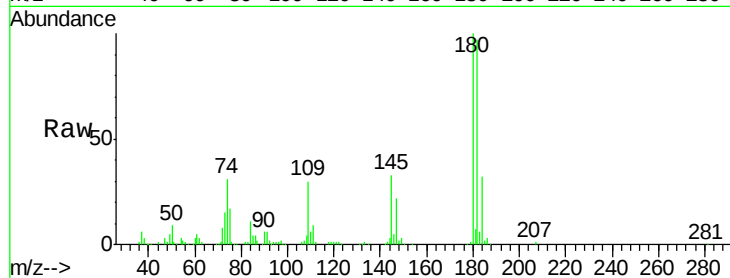




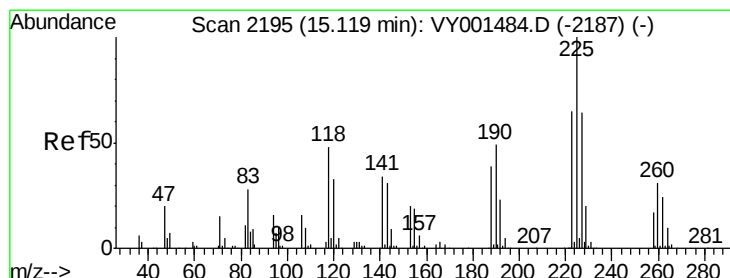
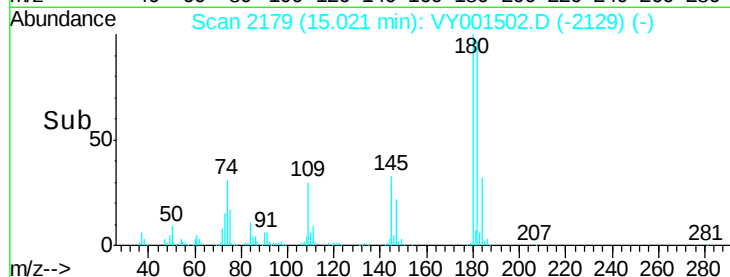
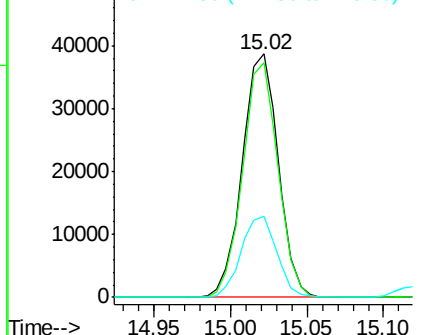
#93
 1,2,4-Trichlorobenzene
 Concen: 19.42 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY001502.D
 Acq: 05 Feb 2020 13:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0205SBS01

Tgt Ion:180 Resp: 63309
 Ion Ratio Lower Upper
 180 100
 182 94.4 46.9 140.7
 145 32.9 16.8 50.3

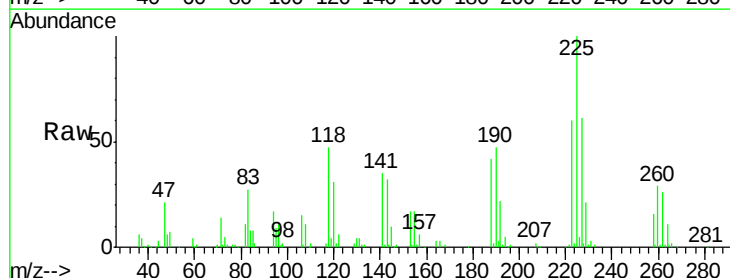


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

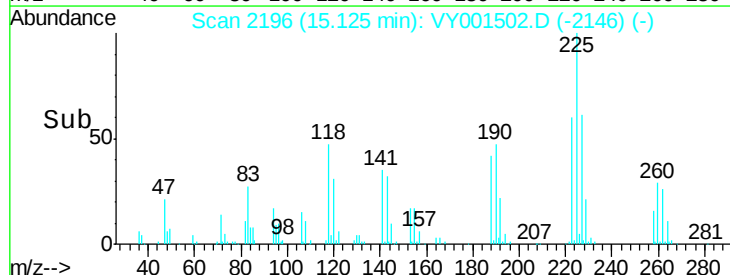
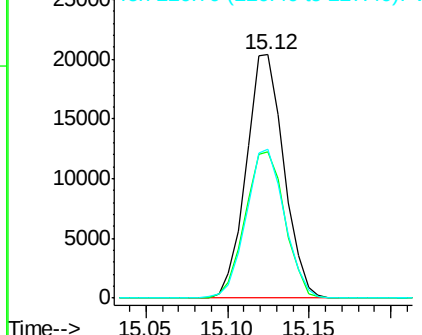


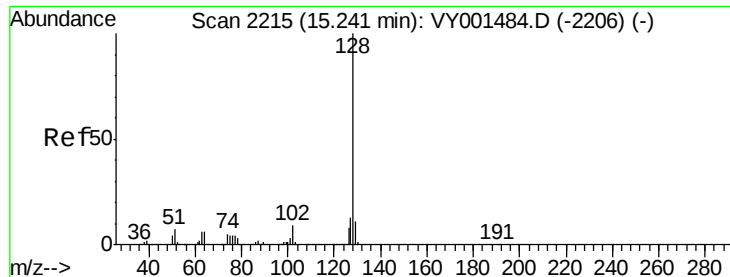
#94
 Hexachlorobutadiene
 Concen: 19.82 ug/l
 RT: 15.12 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY001502.D
 Acq: 05 Feb 2020 13:07

Tgt Ion:225 Resp: 32789
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.9 95.7
 227 62.2 32.6 97.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.45 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

Instrument :

MSVOA_Y

ClientSampleId :

VY0205SBS01

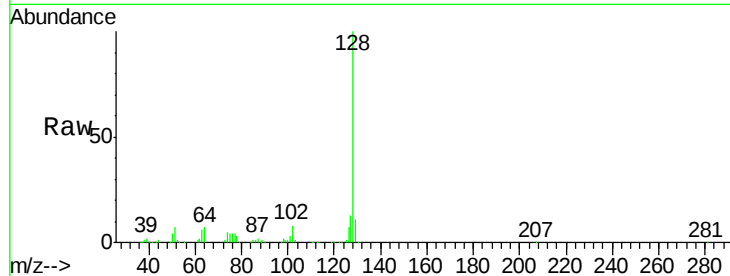
Tgt Ion:128 Resp: 141374

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

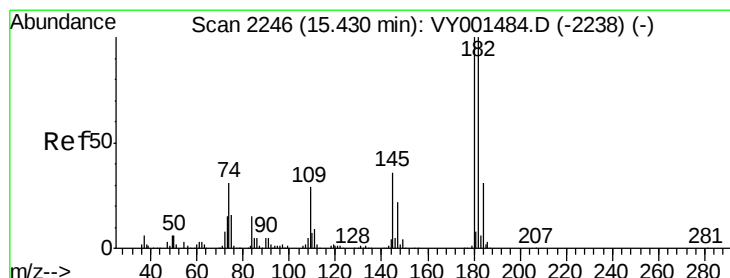
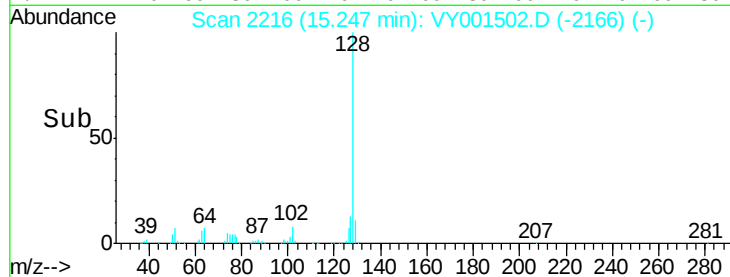
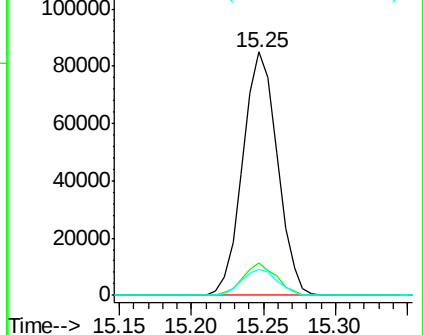
129 11.0 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.10 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.01 min

Lab File: VY001502.D

Acq: 05 Feb 2020 13:07

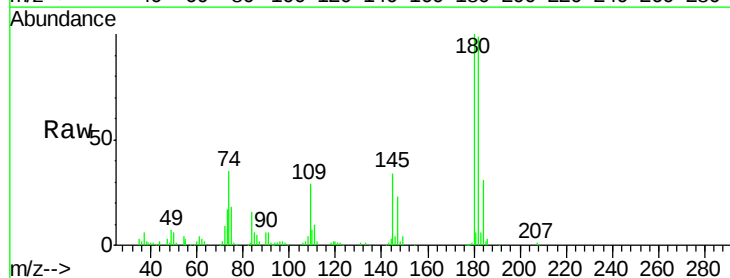
Tgt Ion:180 Resp: 54961

Ion Ratio Lower Upper

180 100

182 95.5 48.0 144.2

145 35.1 17.8 53.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

