

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY051220\
 Data File : VY002660.D
 Acq On : 12 May 2020 12:03
 Operator : SY/MD
 Sample : VY0512SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0512SBS01

Quant Time: May 13 02:22:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	390829	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	571295	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	505723	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	255875	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	143012	43.52	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	87.04%	
35) Dibromofluoromethane	7.72	113	159409	48.79	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	97.58%	
50) Toluene-d8	10.18	98	627973	49.22	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.44%	
62) 4-Bromofluorobenzene	12.48	95	208516	48.16	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	45770	15.45	ug/l	99
3) Chloromethane	2.12	50	54776	17.30	ug/l	98
4) Vinyl Chloride	2.26	62	64229	17.57	ug/l	95
5) Bromomethane	2.65	94	45004	17.85	ug/l	98
6) Chloroethane	2.80	64	38988	17.86	ug/l	100
7) Trichlorofluoromethane	3.13	101	102939	18.17	ug/l	99
8) Diethyl Ether	3.54	74	34894	18.32	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	66577	19.22	ug/l	97
10) Methyl Iodide	4.10	142	82143	17.41	ug/l	98
11) Tert butyl alcohol	4.97	59	27123	80.22	ug/l	98
12) 1,1-Dichloroethene	3.88	96	63813	18.97	ug/l	95
13) Acrolein	3.74	56	14740	63.05	ug/l	98
14) Allyl chloride	4.49	41	94933	19.37	ug/l	97
15) Acrylonitrile	5.18	53	77671	86.49	ug/l	100
16) Acetone	3.96	43	53384	78.72	ug/l	98
17) Carbon Disulfide	4.20	76	169353	16.73	ug/l	99
18) Methyl Acetate	4.49	43	38422	16.96	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	158949	18.11	ug/l	97
20) Methylene Chloride	4.72	84	70479	18.58	ug/l	95
21) trans-1,2-Dichloroethene	5.23	96	69539	18.91	ug/l	95
22) Diisopropyl ether	6.13	45	196713	19.83	ug/l	96
23) Vinyl Acetate	6.07	43	564876	90.56	ug/l	99
24) 1,1-Dichloroethane	6.03	63	114717	19.55	ug/l	98
25) 2-Butanone	7.00	43	89940	81.02	ug/l	99
26) 2,2-Dichloropropane	6.99	77	108197	19.40	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	79031	19.42	ug/l	99
28) Bromochloromethane	7.35	49	47042	19.57	ug/l	98
29) Tetrahydrofuran	7.35	42	64743	88.15	ug/l	99
30) Chloroform	7.52	83	118604	19.44	ug/l	96
31) Cyclohexane	7.79	56	110486	18.71	ug/l	94
32) 1,1,1-Trichloroethane	7.71	97	110061	19.41	ug/l	99
36) 1,1-Dichloropropene	7.93	75	94423	19.72	ug/l	100
37) Ethyl Acetate	7.08	43	44182	17.95	ug/l	99
38) Carbon Tetrachloride	7.91	117	101816	19.47	ug/l	99

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Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	121464	19.20	ug/l	97
40) Benzene	8.17	78	272448	19.70	ug/l	100
41) Methacrylonitrile	7.35	41	58339	44.09	ug/l #	1
42) 1,2-Dichloroethane	8.24	62	69133	17.82	ug/l	98
43) Isopropyl Acetate	8.28	43	81943	17.76	ug/l	99
44) Trichloroethene	8.94	130	87070	20.14	ug/l	99
45) 1,2-Dichloropropane	9.22	63	66269	19.85	ug/l	100
46) Dibromomethane	9.31	93	35109	18.28	ug/l	97
47) Bromodichloromethane	9.50	83	89075	19.07	ug/l	100
48) Methyl methacrylate	9.30	41	36946	17.69	ug/l	99
49) 1,4-Dioxane	9.30	88	9081	357.08	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	216990	91.24	ug/l	100
52) Toluene	10.25	92	175858	19.78	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	92957	19.00	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	109742	19.40	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	53038	18.94	ug/l	98
56) Ethyl methacrylate	10.51	69	67756	18.18	ug/l	98
57) 1,3-Dichloropropane	10.79	76	88435	18.62	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	190646	97.02	ug/l	100
59) 2-Hexanone	10.83	43	144929	88.54	ug/l	99
60) Dibromochloromethane	10.99	129	67718	19.01	ug/l	99
61) 1,2-Dibromoethane	11.09	107	50738	18.29	ug/l	99
64) Tetrachloroethene	10.72	164	96996	21.59	ug/l	97
65) Chlorobenzene	11.52	112	191123	19.88	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	72239	20.24	ug/l	98
67) Ethyl Benzene	11.60	91	347286	20.56	ug/l	99
68) m/p-Xylenes	11.70	106	266488	40.78	ug/l	100
69) o-Xylene	12.03	106	124771	20.39	ug/l	99
70) Styrene	12.05	104	212838	20.35	ug/l	98
71) Bromoform	12.21	173	42668	19.26	ug/l #	99
73) Isopropylbenzene	12.33	105	349084	21.05	ug/l	100
74) N-amyl acetate	12.14	43	75630	18.96	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	47383	17.97	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	76855	33.80	ug/l #	100
77) Bromobenzene	12.61	156	82975	20.03	ug/l	98
78) n-propylbenzene	12.67	91	404090	21.00	ug/l	99
79) 2-Chlorotoluene	12.76	91	220818	20.71	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	289719	21.08	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	20403	17.99	ug/l	97
82) 4-Chlorotoluene	12.86	91	230688	20.60	ug/l	100
83) tert-Butylbenzene	13.08	119	255630	21.21	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	286744	20.93	ug/l	100
85) sec-Butylbenzene	13.25	105	357775	21.39	ug/l	100
86) p-Isopropyltoluene	13.37	119	332496	21.22	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	161170	20.55	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	158904	20.46	ug/l	98
89) n-Butylbenzene	13.70	91	302874	21.23	ug/l	100
90) Hexachloroethane	13.96	117	61925	21.70	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	141883	20.28	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8257	16.80	ug/l	94

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Quant Title : SW846 8260
QLast Update : Mon May 04 12:22:08 2020
Response via : Initial Calibration

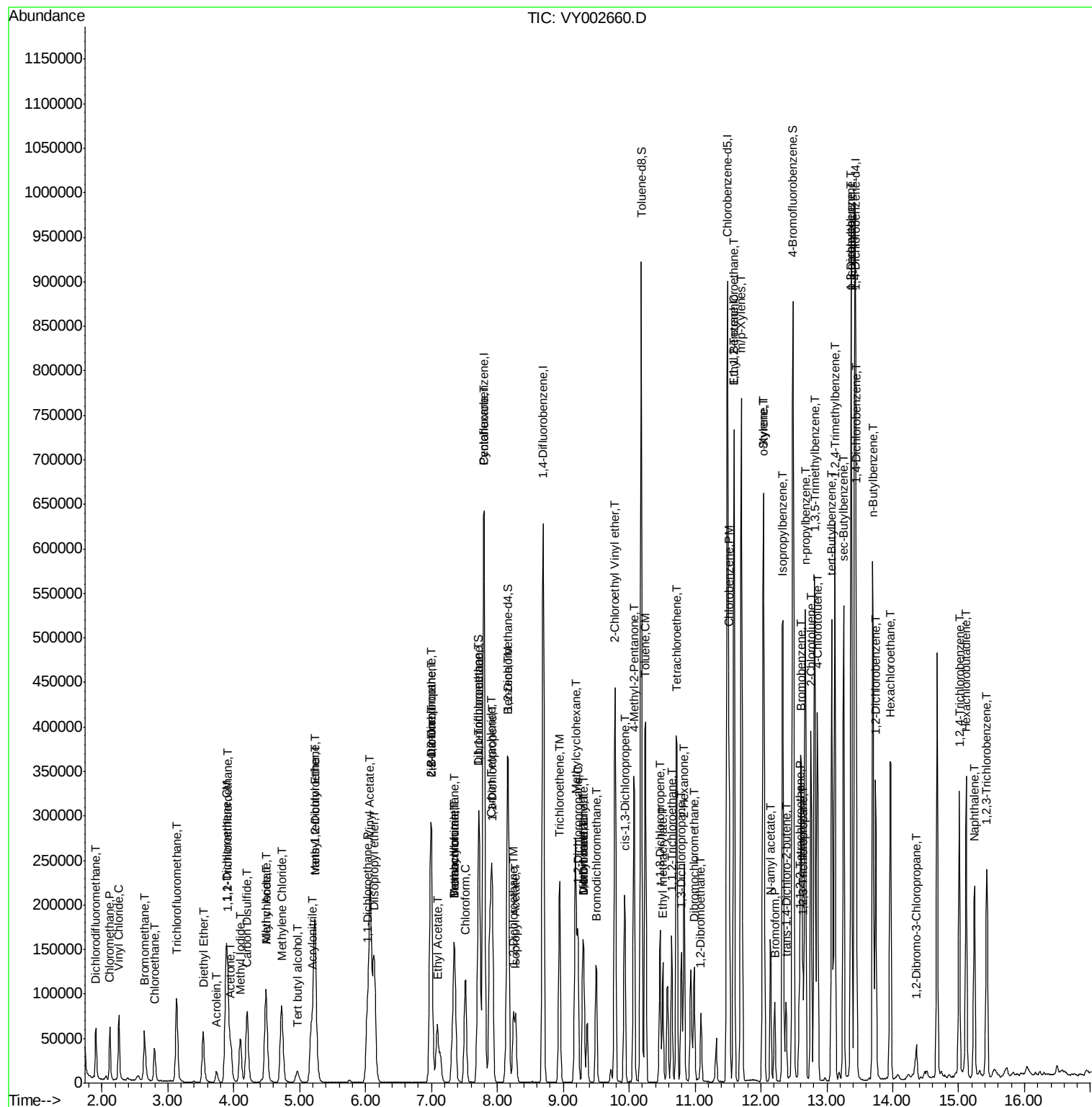
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	103716	20.42	ug/l	100
94) Hexachlorobutadiene	15.11	225	66582	21.84	ug/l	99
95) Naphthalene	15.24	128	176238	19.02	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	86831	20.13	ug/l	99

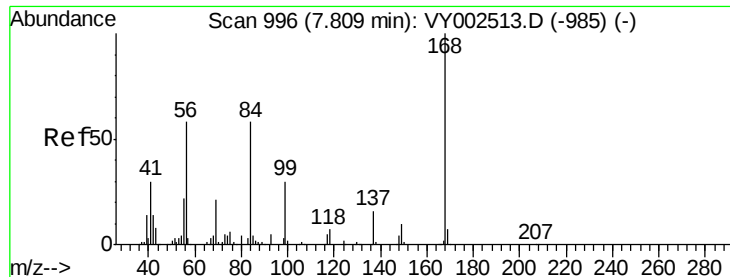
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

Instrument :

MSVOA_Y

ClientSampleId :

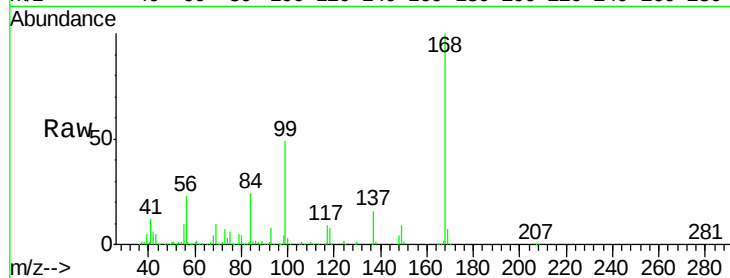
VY0512SBS01

Tgt Ion:168 Resp: 390829

Ion Ratio Lower Upper

168 100

99 48.9 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.80

150000

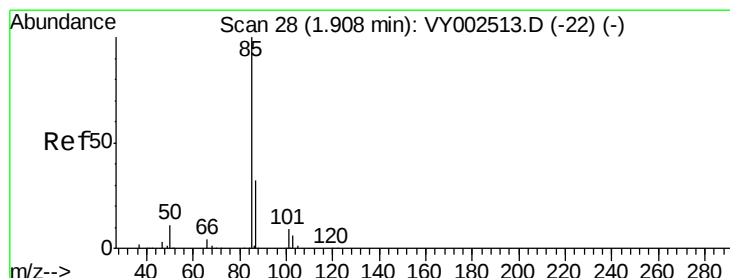
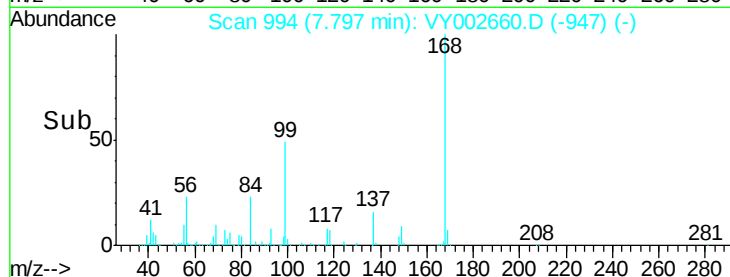
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 15.45 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002660.D

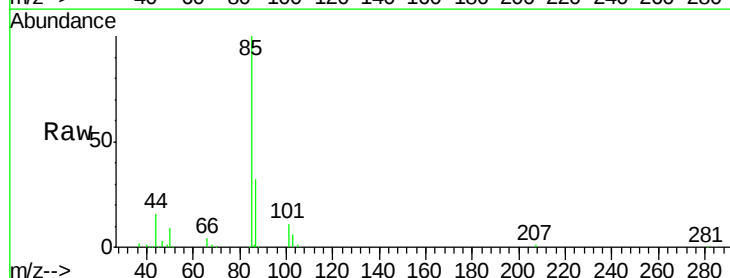
Acq: 12 May 2020 12:03

Tgt Ion: 85 Resp: 45770

Ion Ratio Lower Upper

85 100

87 32.2 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

1.91

30000

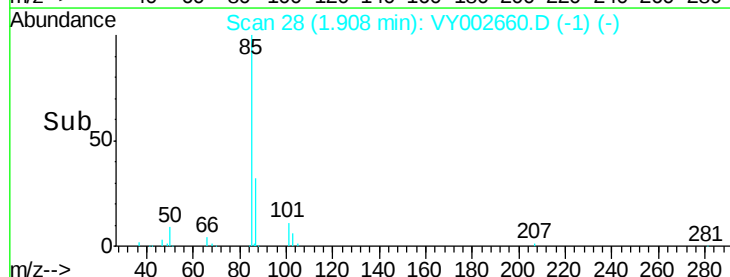
20000

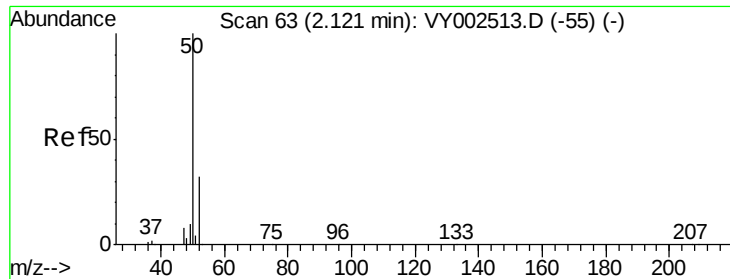
10000

0

1.85 1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 17.30 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.00 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

Instrument :

MSVOA_Y

ClientSampleId :

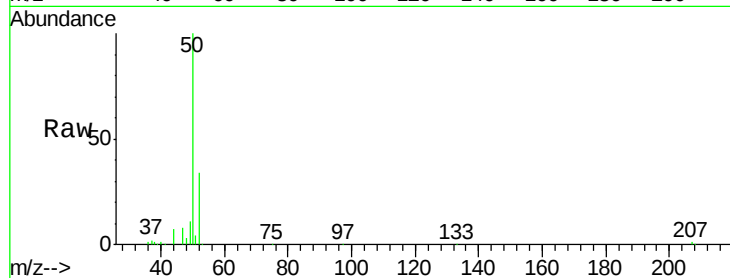
VY0512SBS01

Tgt Ion: 50 Resp: 54776

Ion Ratio Lower Upper

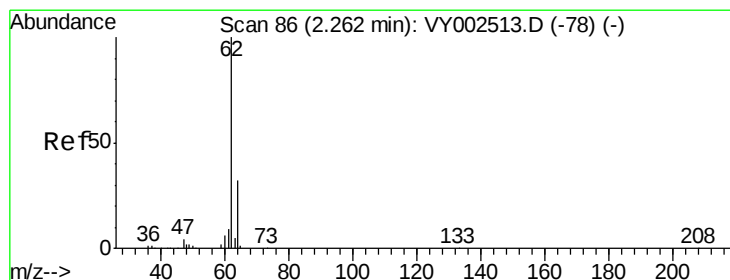
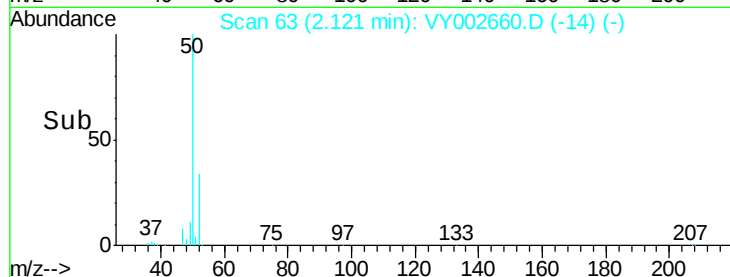
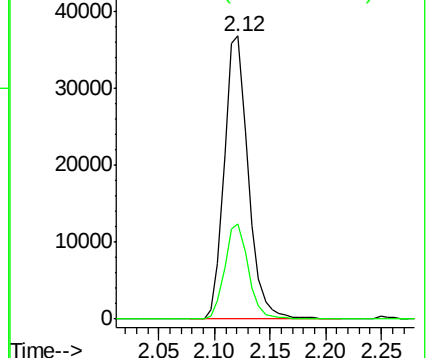
50 100

52 33.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 17.57 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY002660.D

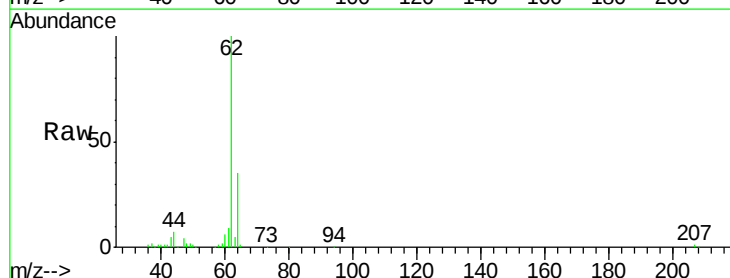
Acq: 12 May 2020 12:03

Tgt Ion: 62 Resp: 64229

Ion Ratio Lower Upper

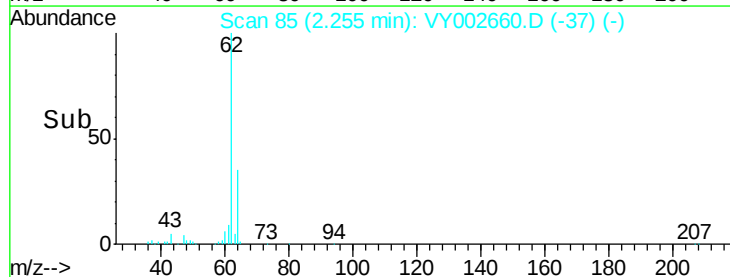
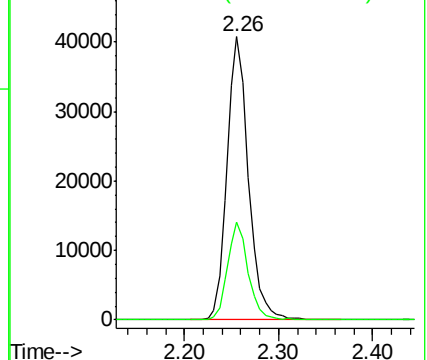
62 100

64 34.6 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 17.85 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

Instrument :

MSVOA_Y

ClientSampleId :

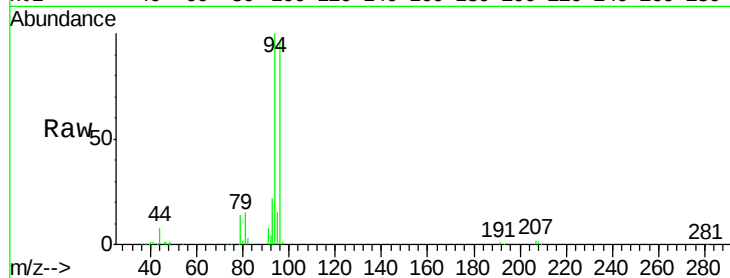
VY0512SBS01

Tgt Ion: 94 Resp: 45004

Ion Ratio Lower Upper

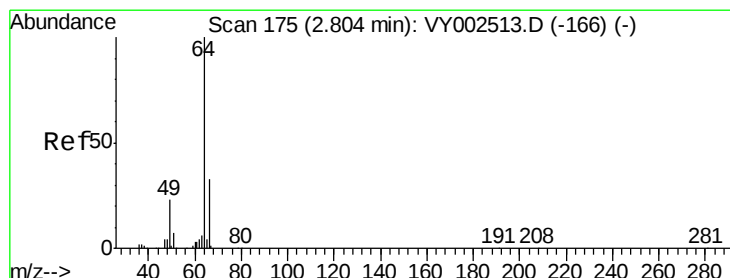
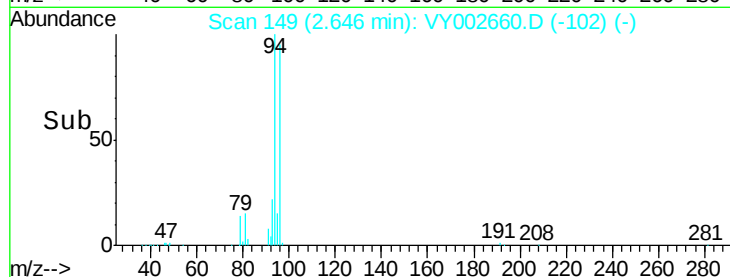
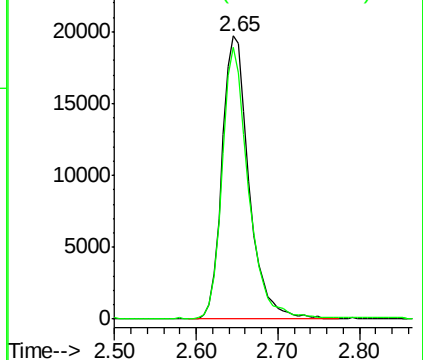
94 100

96 95.8 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 17.86 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.01 min

Lab File: VY002660.D

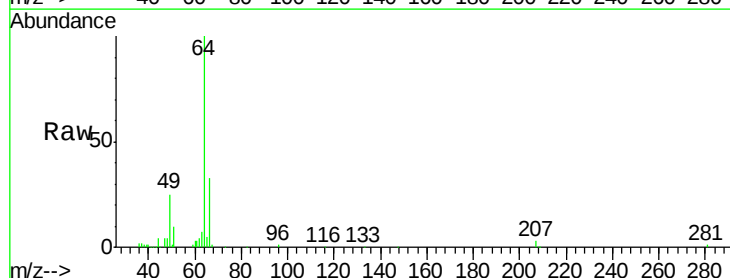
Acq: 12 May 2020 12:03

Tgt Ion: 64 Resp: 38988

Ion Ratio Lower Upper

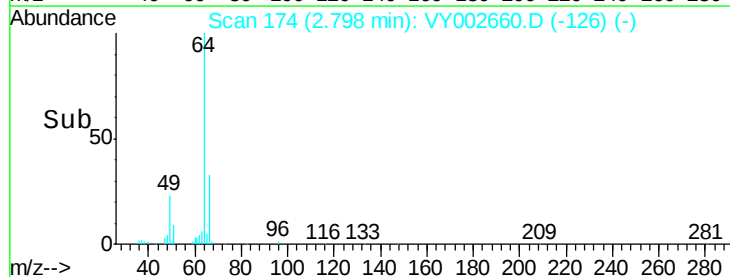
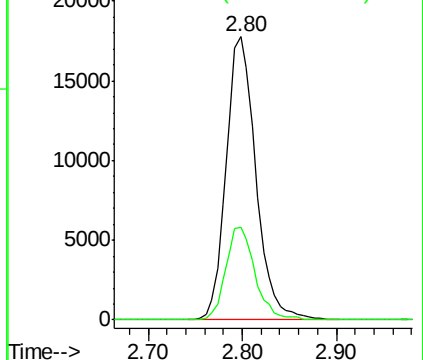
64 100

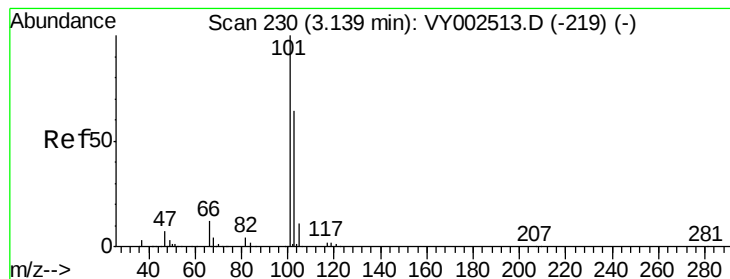
66 33.0 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

Trichlorofluoromethane

Concen: 18.17 ug/l

RT: 3.13 min Scan# 229

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

Instrument :

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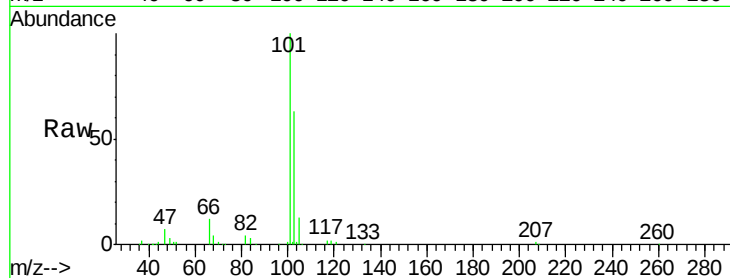
VY0512SBS01

Tgt Ion:101 Resp: 102939

Ion Ratio Lower Upper

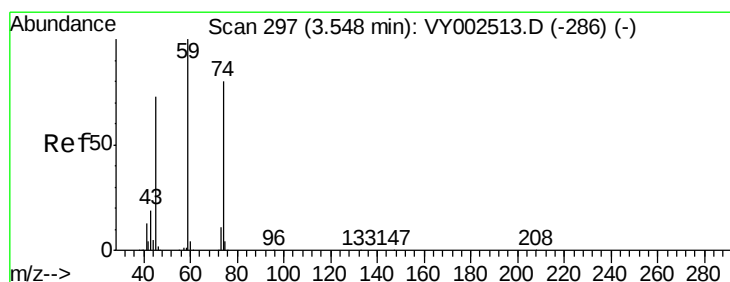
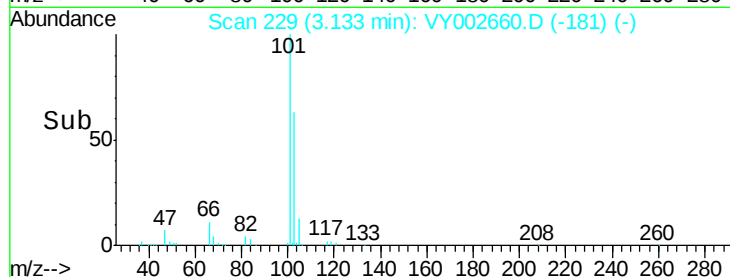
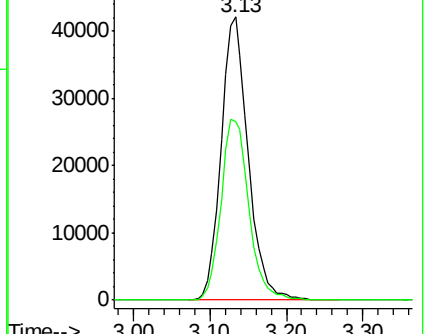
101 100

103 63.0 51.4 77.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 18.32 ug/l

RT: 3.54 min Scan# 295

Delta R.T. -0.01 min

Lab File: VY002660.D

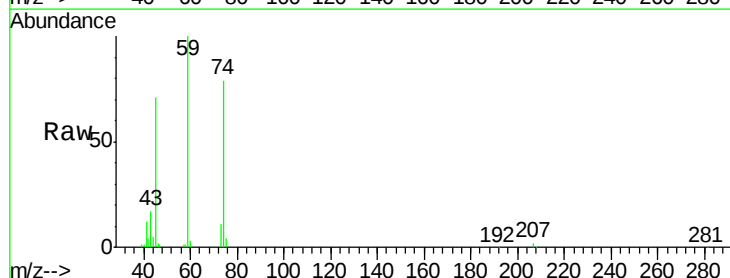
Acq: 12 May 2020 12:03

Tgt Ion: 74 Resp: 34894

Ion Ratio Lower Upper

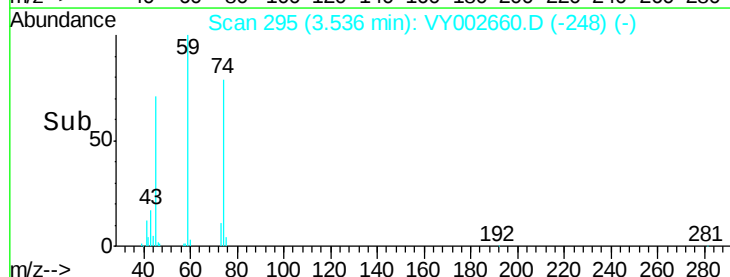
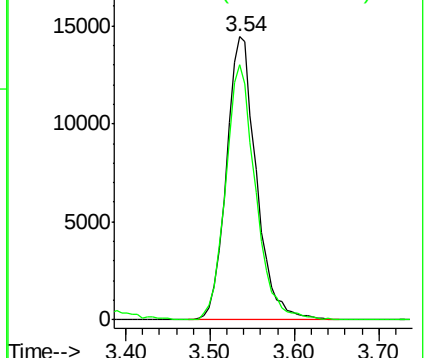
74 100

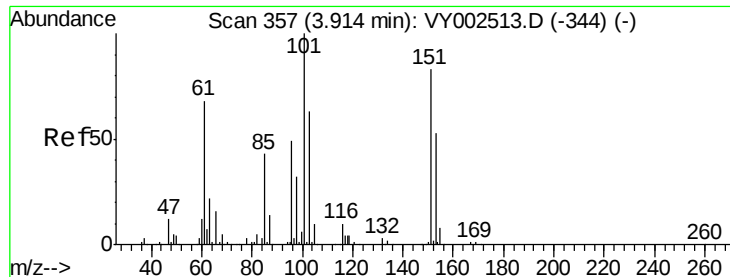
45 90.1 46.2 138.5



Abundance Ion 74.00 (73.70 to 74.70): VY0

Ion 45.00 (44.70 to 45.70): VY0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.22 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

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VY0512SBS01

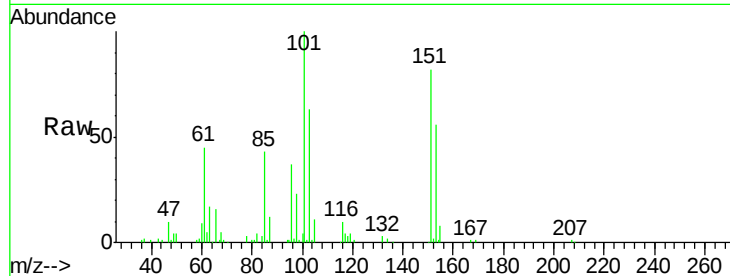
Tgt Ion:101 Resp: 66577

Ion Ratio Lower Upper

101 100

85 41.2 33.4 50.2

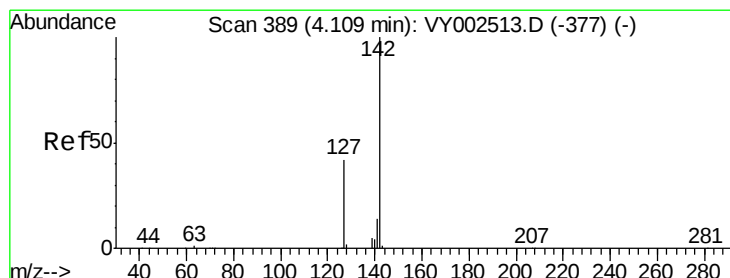
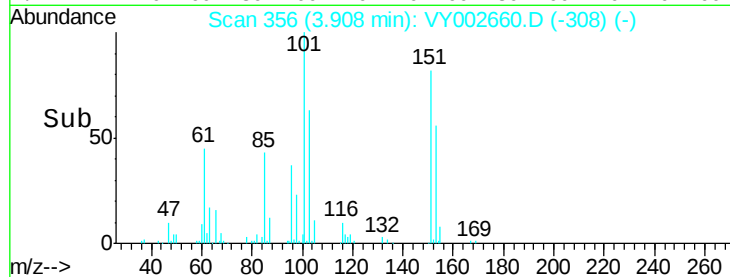
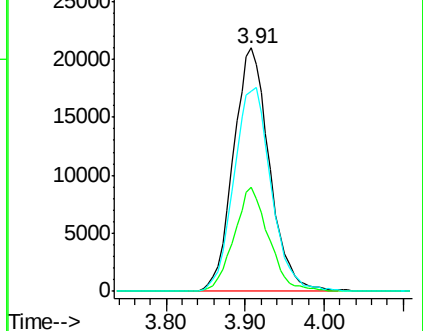
151 86.9 66.8 100.2



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: 17.41 ug/l

RT: 4.10 min Scan# 388

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

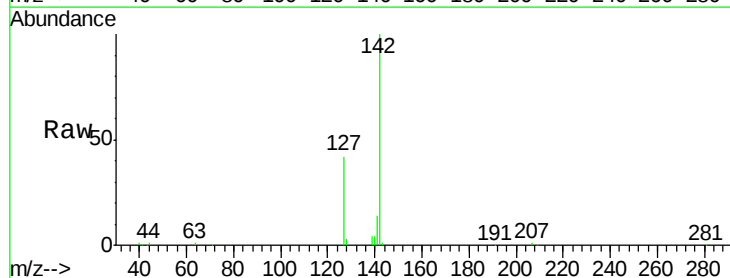
Tgt Ion:142 Resp: 82143

Ion Ratio Lower Upper

142 100

127 40.9 33.7 50.5

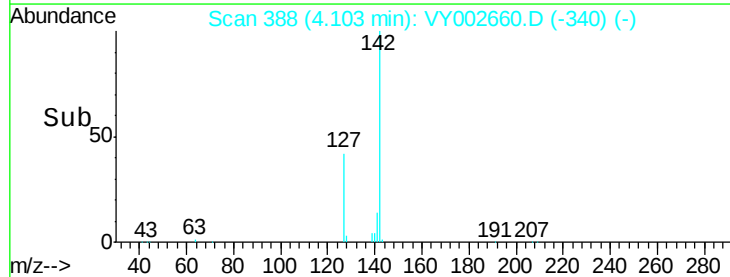
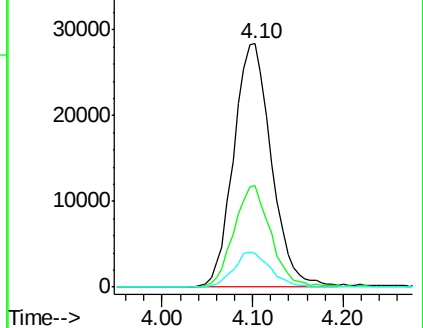
141 13.9 11.4 17.0

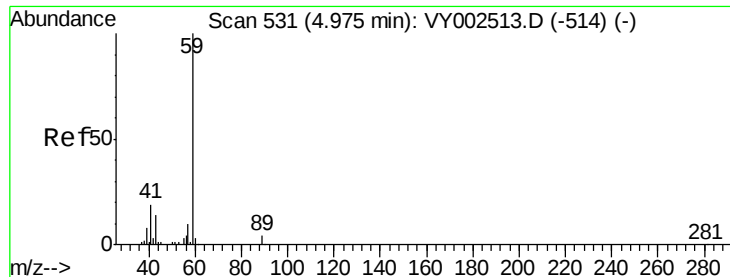


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 80.22 ug/l

RT: 4.97 min Scan# 530

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

Instrument :

MSVOA_Y

ClientSampleId :

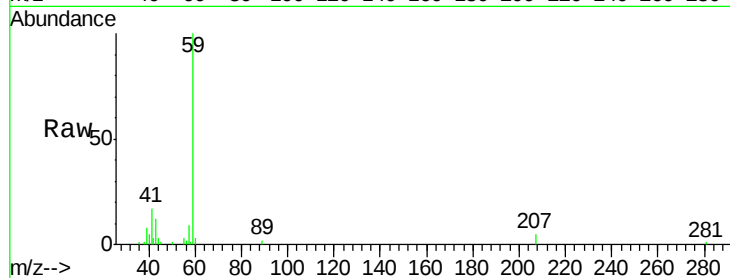
VY0512SBS01

Tgt Ion: 59 Resp: 27123

Ion Ratio Lower Upper

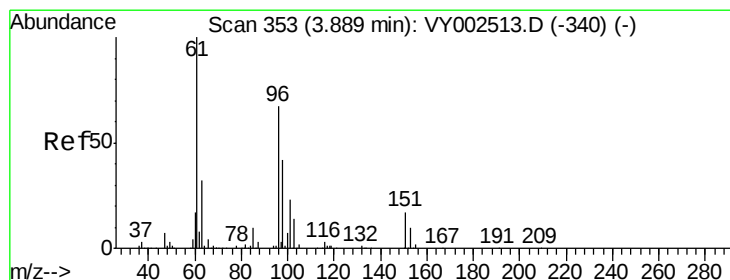
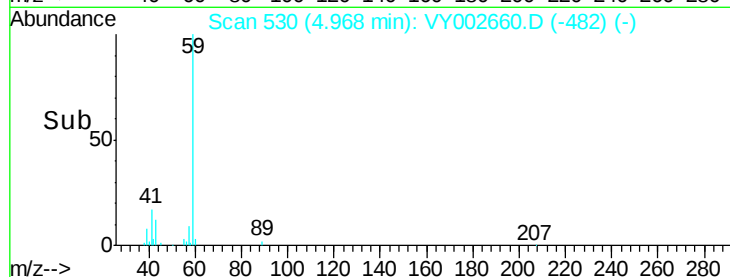
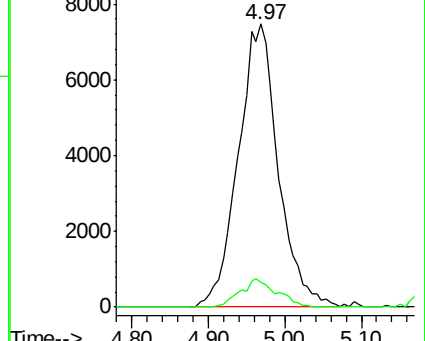
59 100

57 9.0 7.8 11.6



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0



#12

1,1-Dichloroethene

Concen: 18.97 ug/l

RT: 3.88 min Scan# 352

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

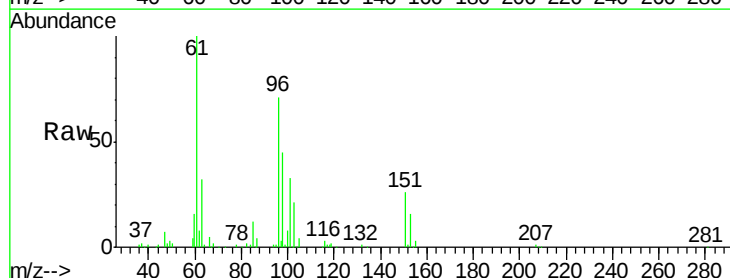
Tgt Ion: 96 Resp: 63813

Ion Ratio Lower Upper

96 100

61 141.3 118.8 178.2

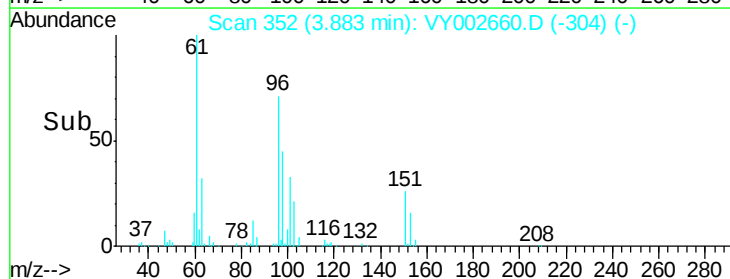
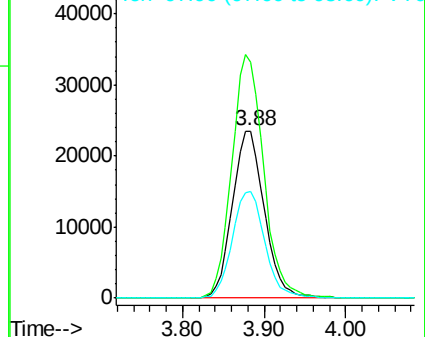
98 63.7 49.6 74.4

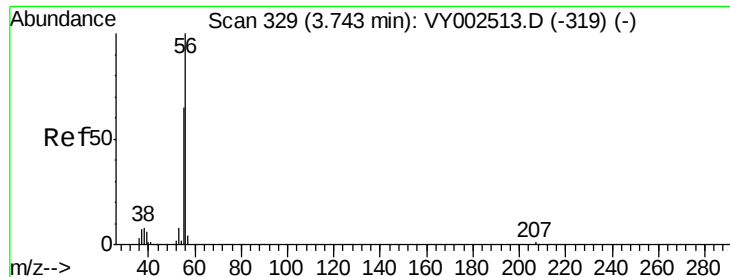


Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





#13

Acrolein

Concen: 63.05 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

Instrument :

MSVOA_Y

ClientSampleId :

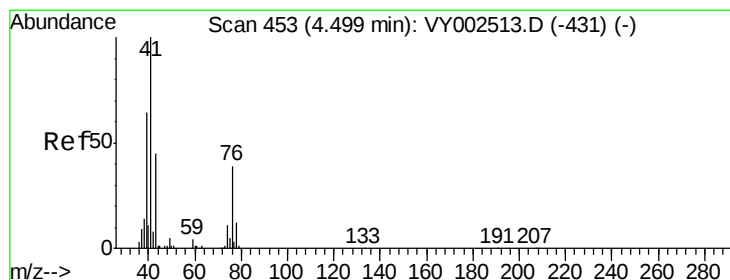
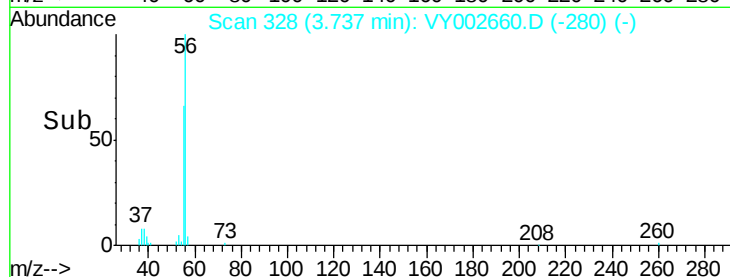
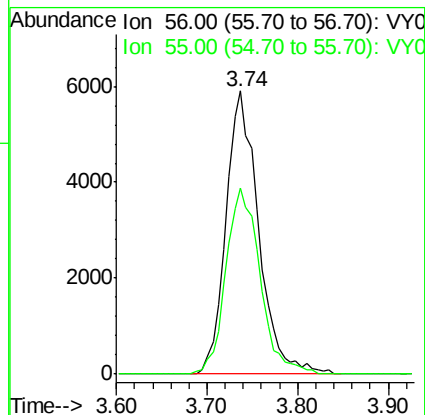
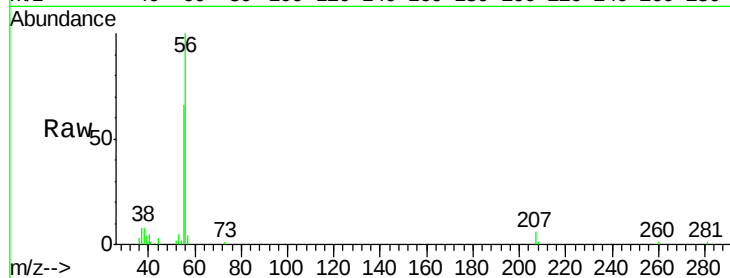
VY0512SBS01

Tgt Ion: 56 Resp: 14740

Ion Ratio Lower Upper

56 100

55 68.8 53.8 80.6



#14

Allyl chloride

Concen: 19.37 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

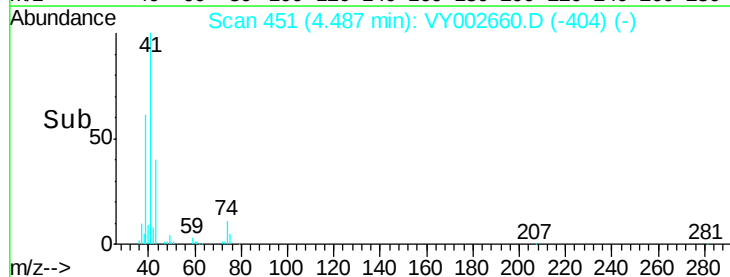
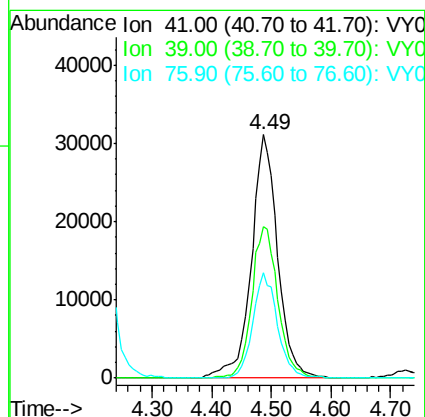
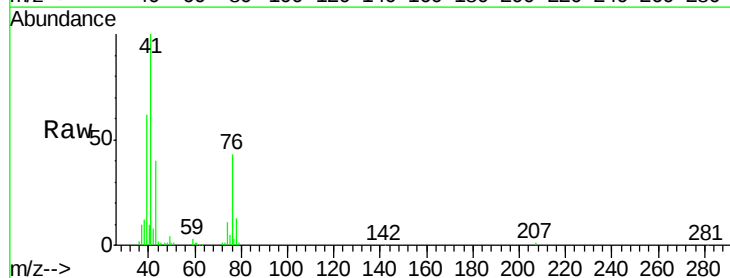
Tgt Ion: 41 Resp: 94933

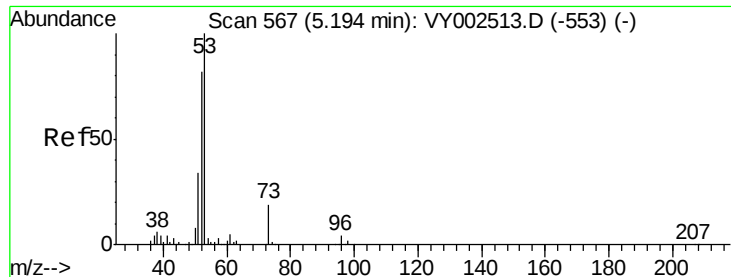
Ion Ratio Lower Upper

41 100

39 62.2 51.8 77.6

76 40.6 31.7 47.5





#15

Acrylonitrile

Concen: 86.49 ug/l

RT: 5.18 min Scan# 565

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

Instrument :

MSVOA_Y

ClientSampleId :

VY0512SBS01

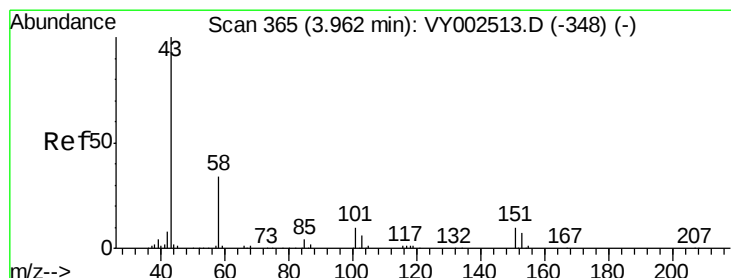
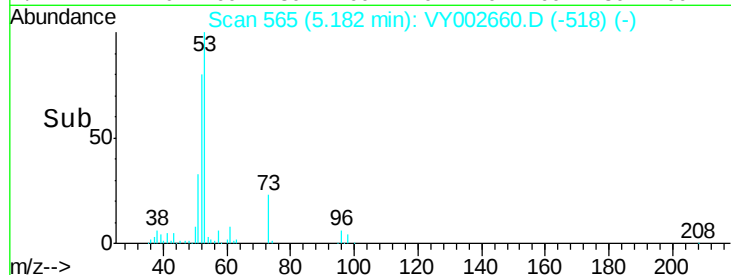
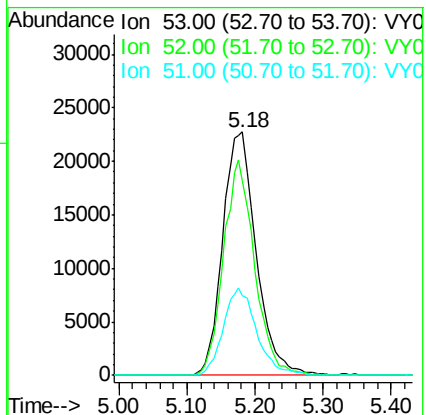
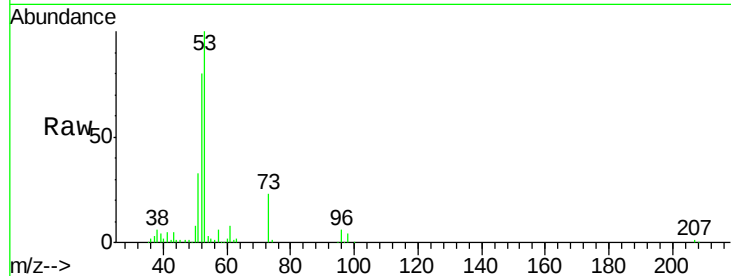
Tgt Ion: 53 Resp: 77671

Ion Ratio Lower Upper

53 100

52 81.9 65.4 98.0

51 35.7 28.7 43.1



#16

Acetone

Concen: 78.72 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.01 min

Lab File: VY002660.D

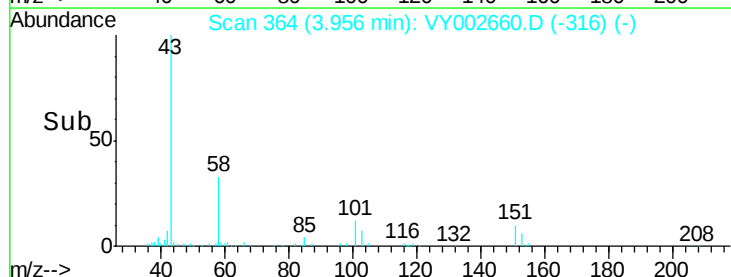
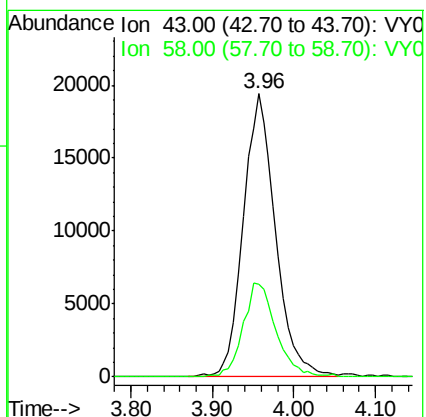
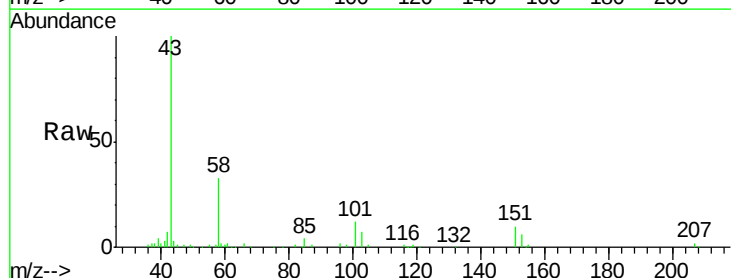
Acq: 12 May 2020 12:03

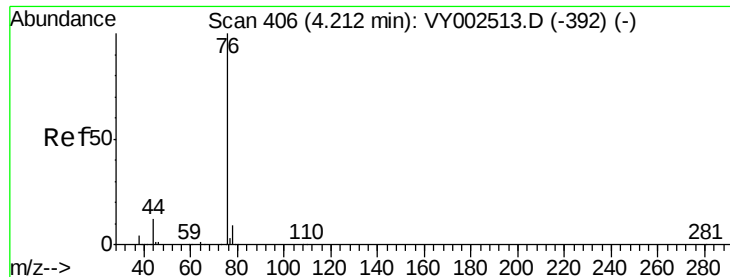
Tgt Ion: 43 Resp: 53384

Ion Ratio Lower Upper

43 100

58 32.7 26.9 40.3





#17

Carbon Disulfide

Concen: 16.73 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

Instrument :

MSVOA_Y

ClientSampleId :

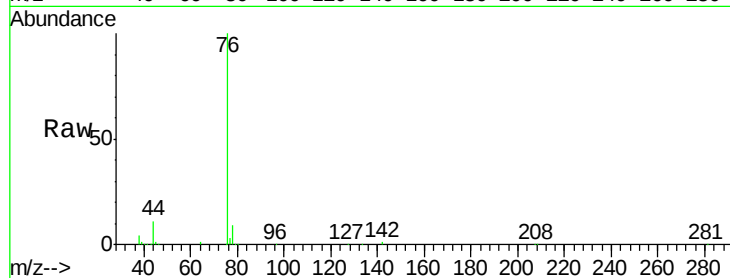
VY0512SBS01

Tgt Ion: 76 Resp: 169353

Ion Ratio Lower Upper

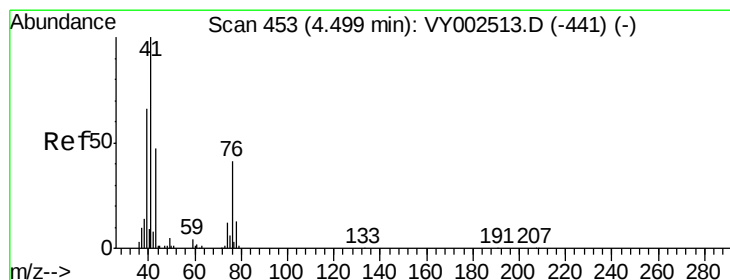
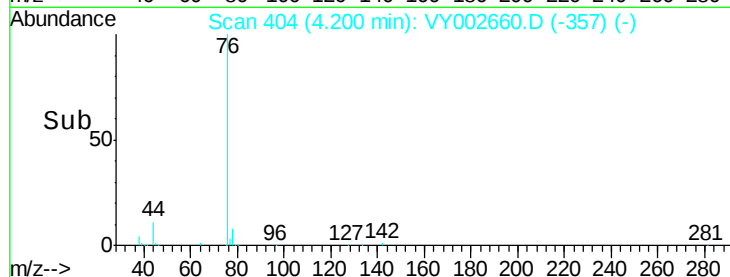
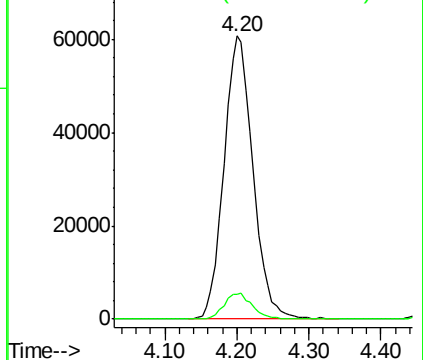
76 100

78 8.9 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 16.96 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.01 min

Lab File: VY002660.D

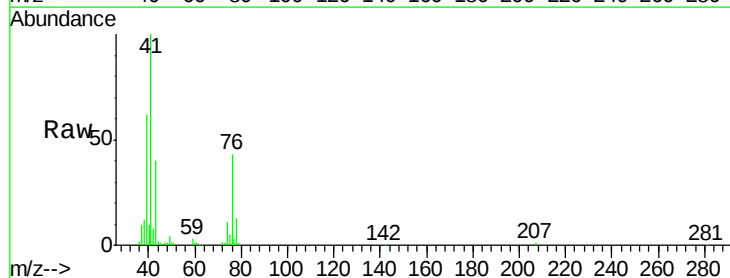
Acq: 12 May 2020 12:03

Tgt Ion: 43 Resp: 38422

Ion Ratio Lower Upper

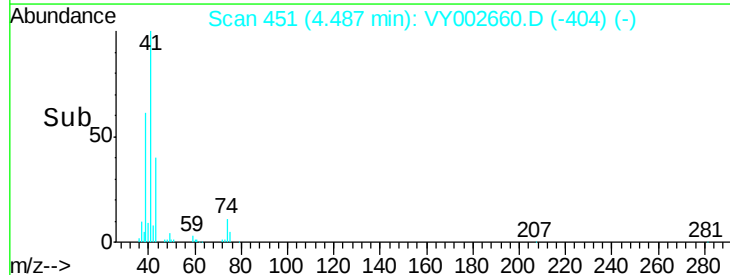
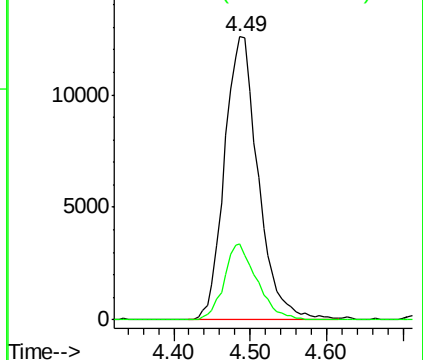
43 100

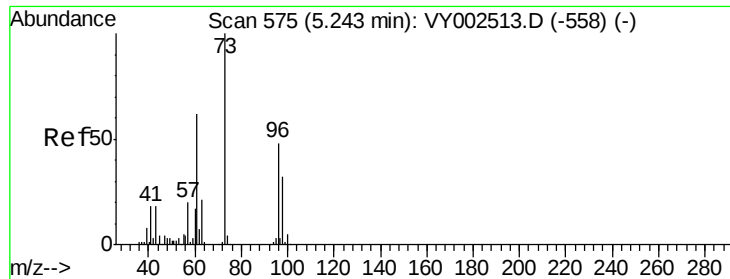
74 26.1 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

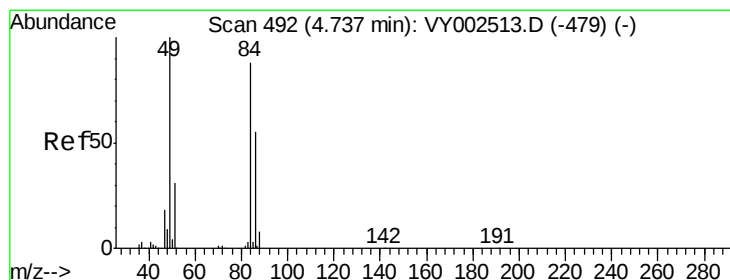
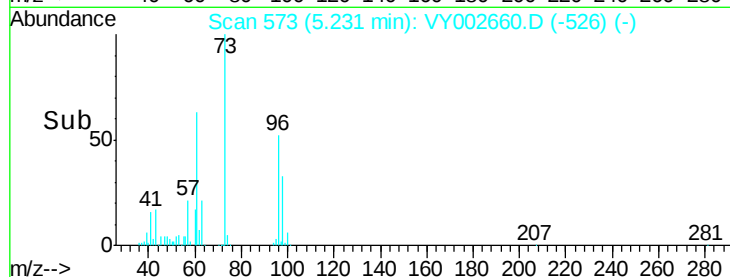
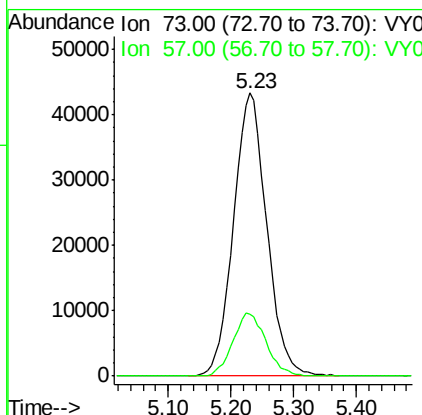
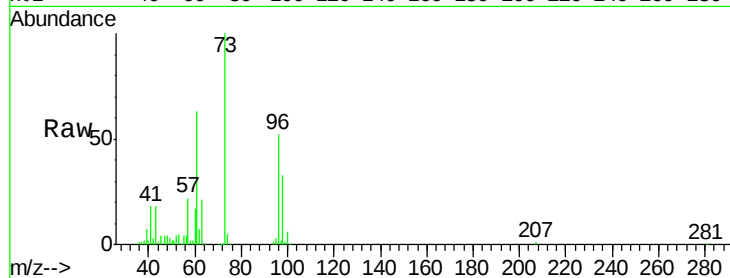




#19
Methyl tert-butyl Ether
Concen: 18.11 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.01 min
Lab File: VY002660.D
Acq: 12 May 2020 12:03

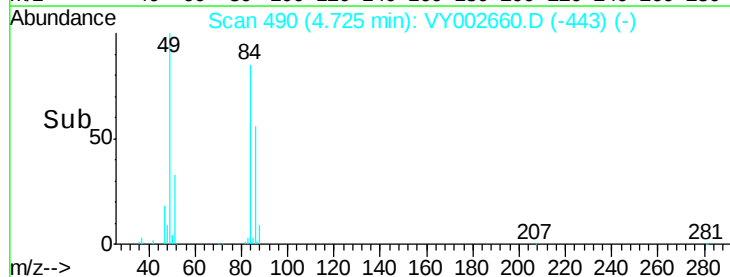
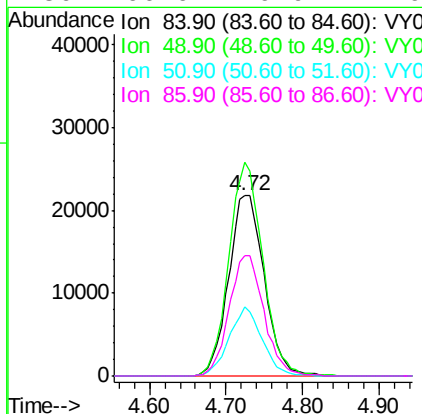
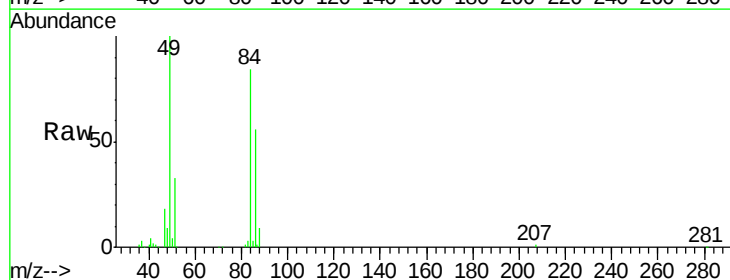
Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBS01

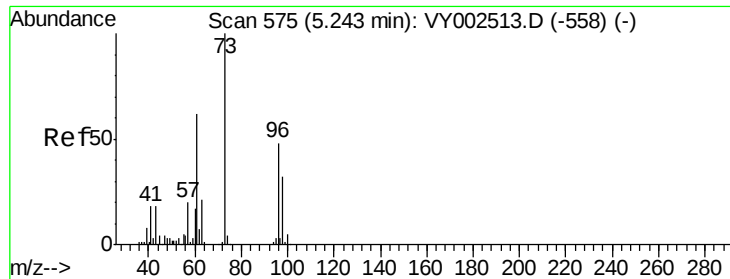
Tgt Ion: 73 Resp: 158949
Ion Ratio Lower Upper
73 100
57 21.7 16.3 24.5



#20
Methylene Chloride
Concen: 18.58 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.01 min
Lab File: VY002660.D
Acq: 12 May 2020 12:03

Tgt Ion: 84 Resp: 70479
Ion Ratio Lower Upper
84 100
49 118.4 90.5 135.7
51 38.5 28.3 42.5
86 66.6 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 18.91 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

Instrument :

MSVOA_Y

ClientSampleId :

VY0512SBS01

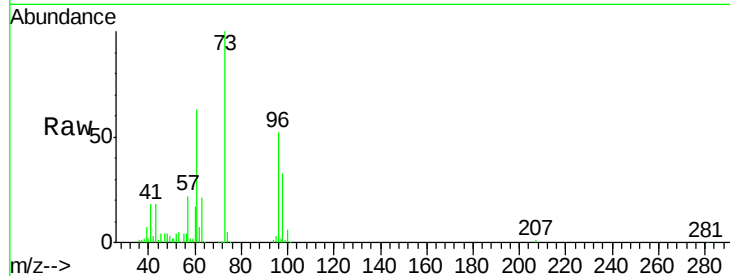
Tgt Ion: 96 Resp: 69539

Ion Ratio Lower Upper

96 100

61 119.9 102.0 153.0

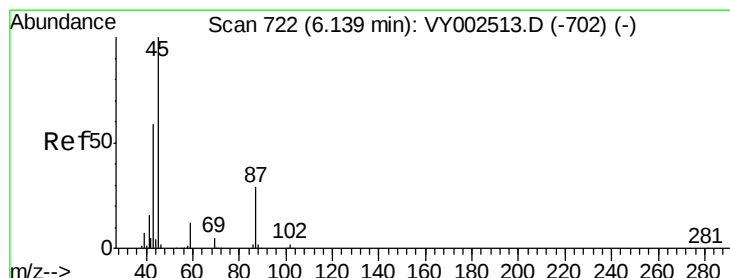
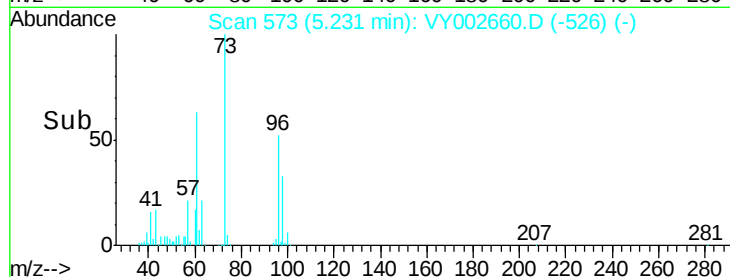
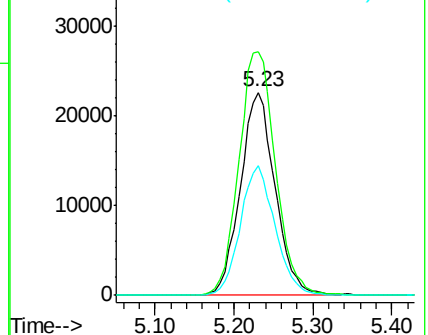
98 64.0 53.0 79.4



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: 19.83 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

Tgt Ion: 45 Resp: 196713

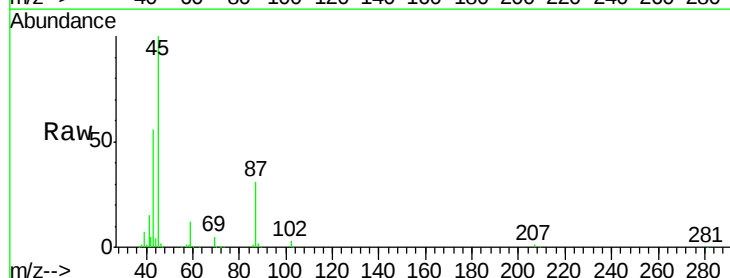
Ion Ratio Lower Upper

45 100

43 55.5 47.4 71.0

87 31.1 24.0 36.0

59 11.8 9.8 14.8

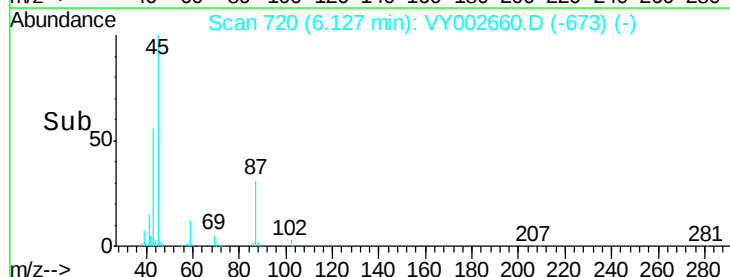
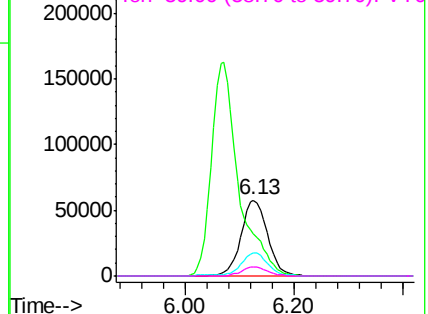


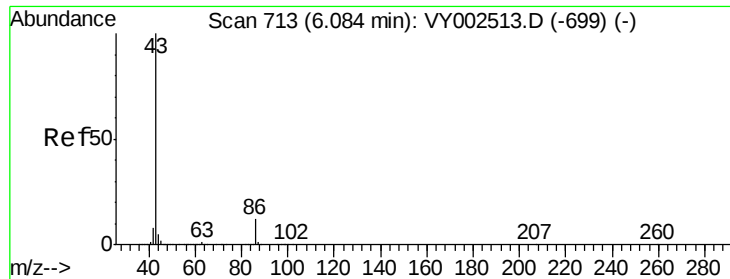
Abundance Ion 45.00 (44.70 to 45.70): VY0

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: 90.56 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

Instrument :

MSVOA_Y

ClientSampleId :

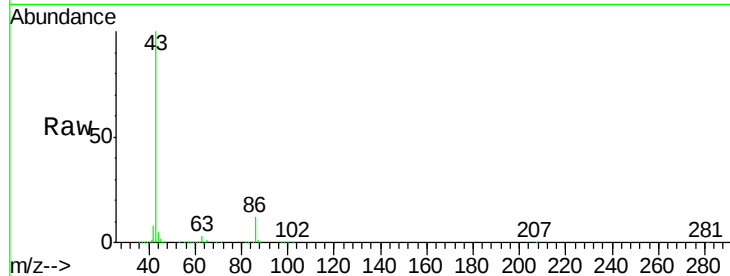
VY0512SBS01

Tgt Ion: 43 Resp: 564876

Ion Ratio Lower Upper

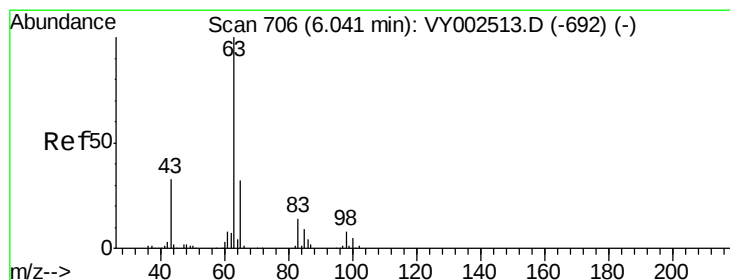
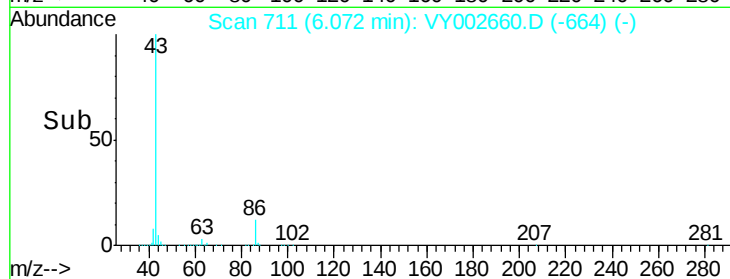
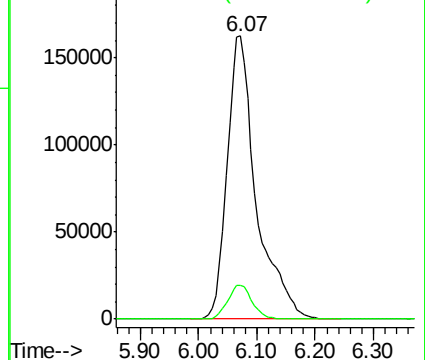
43 100

86 11.7 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 19.55 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

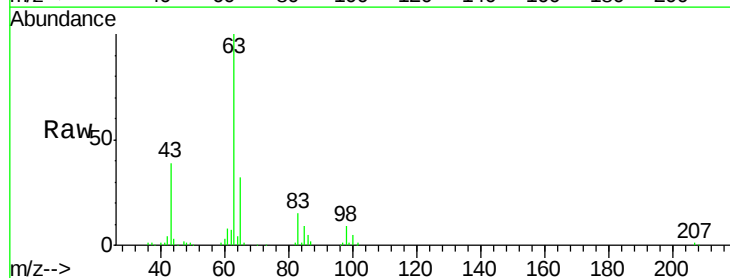
Tgt Ion: 63 Resp: 114717

Ion Ratio Lower Upper

63 100

98 8.6 3.9 11.7

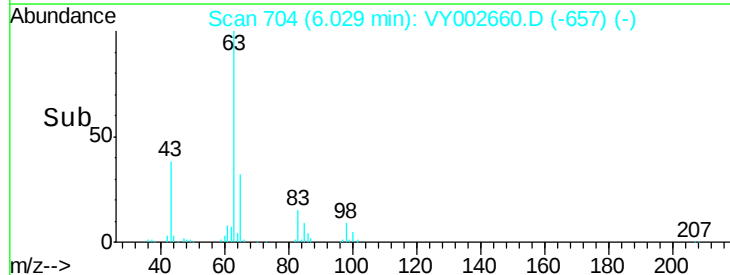
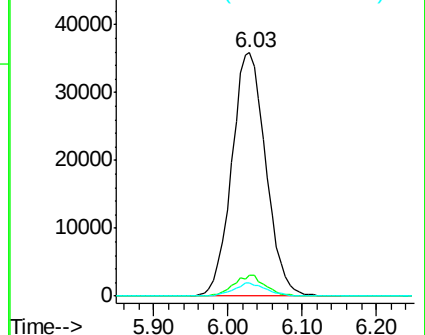
100 5.3 2.4 7.2



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

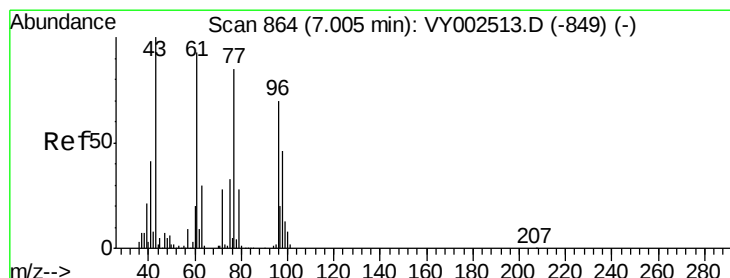
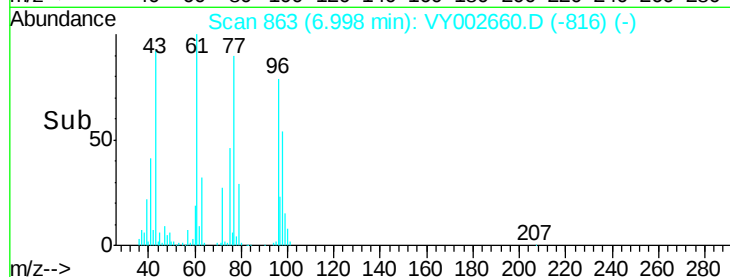
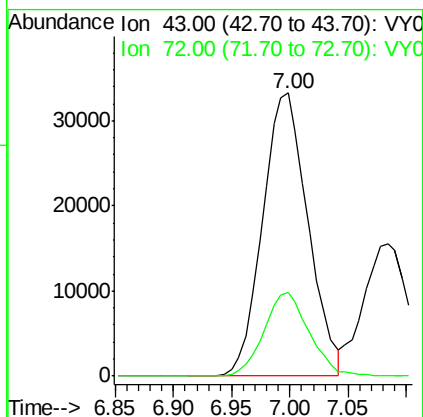
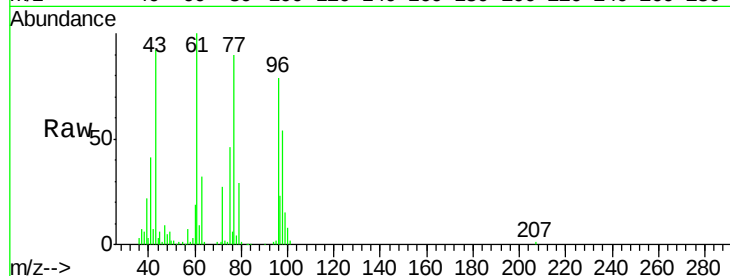




#25
2-Butanone
Concen: 81.02 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY002660.D
Acq: 12 May 2020 12:03

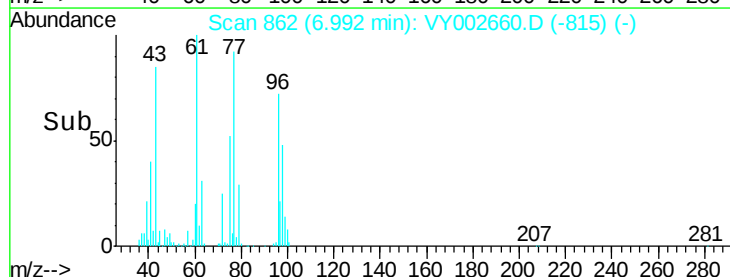
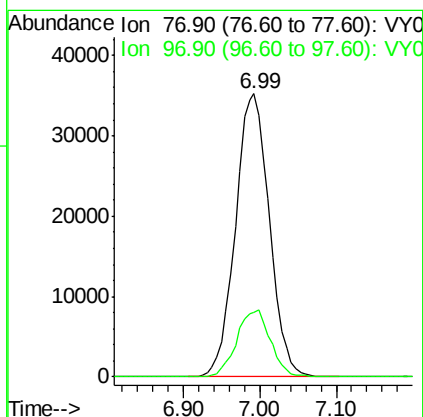
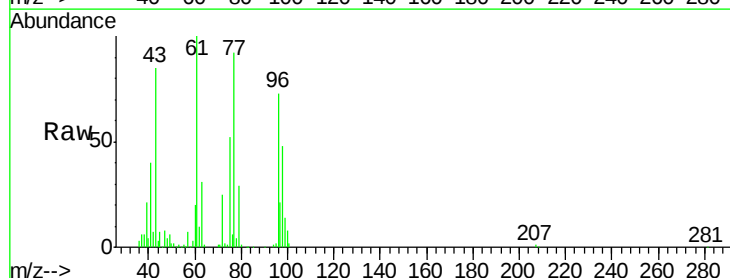
Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBS01

Tgt Ion: 43 Resp: 89940
Ion Ratio Lower Upper
43 100
72 29.5 24.1 36.1



#26
2,2-Dichloropropane
Concen: 19.40 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY002660.D
Acq: 12 May 2020 12:03

Tgt Ion: 77 Resp: 108197
Ion Ratio Lower Upper
77 100
97 23.5 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 19.42 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

Instrument :

MSVOA_Y

ClientSampleId :

VY0512SBS01

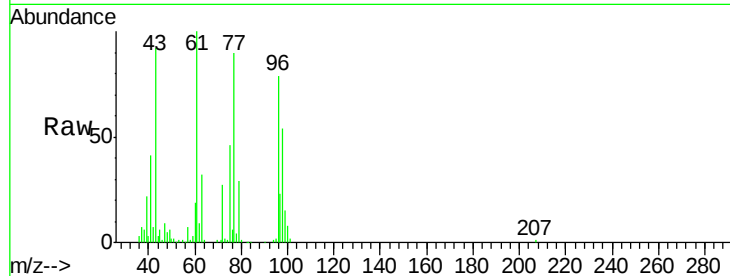
Tgt Ion: 96 Resp: 79031

Ion Ratio Lower Upper

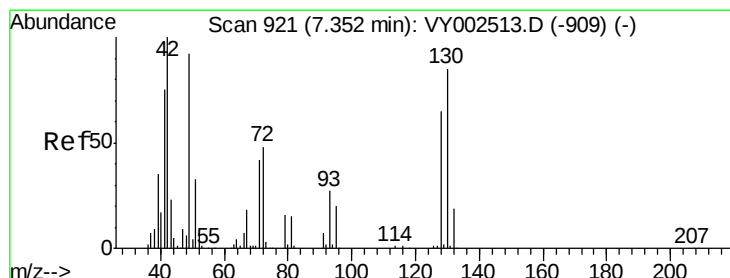
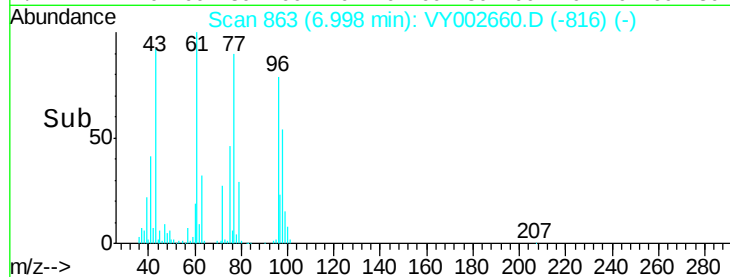
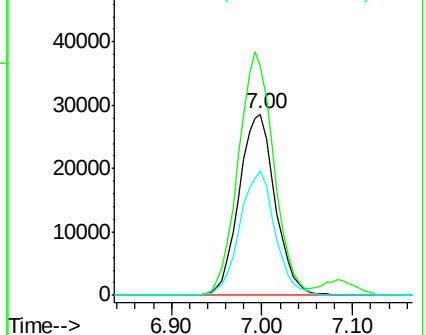
96 100

61 132.3 0.0 266.6

98 66.6 0.0 129.2



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: 19.57 ug/l

RT: 7.35 min Scan# 920

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

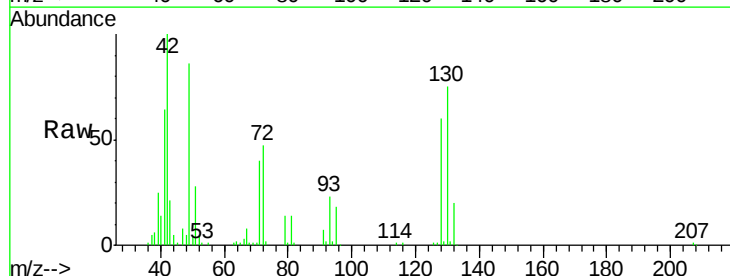
Tgt Ion: 49 Resp: 47042

Ion Ratio Lower Upper

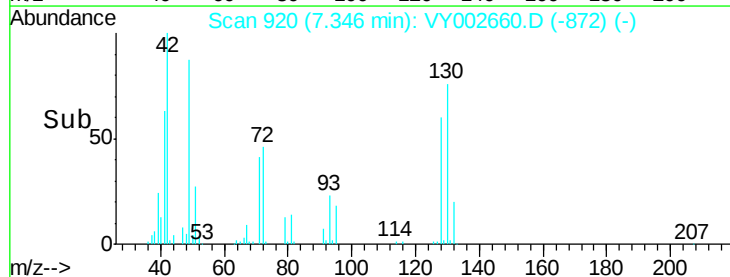
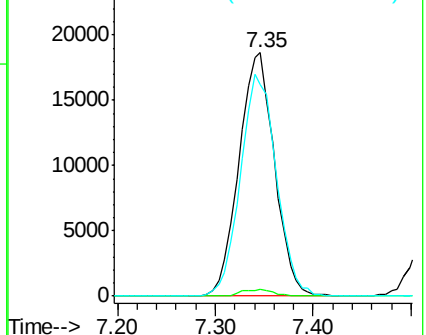
49 100

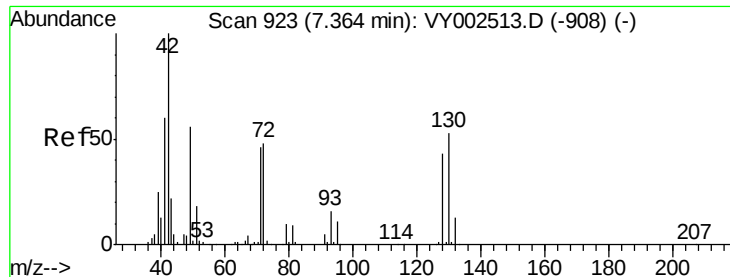
129 2.5 0.0 4.8

130 92.2 72.5 108.7



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): VY0
Ion 129.80 (129.50 to 130.50): VY0

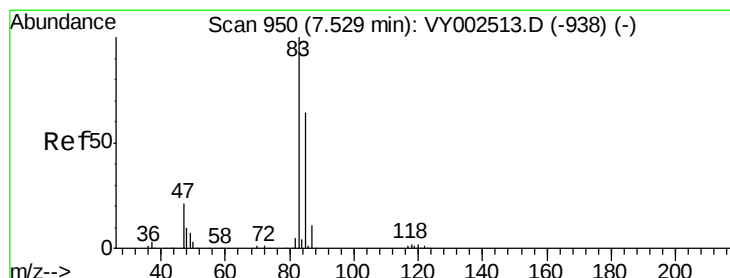
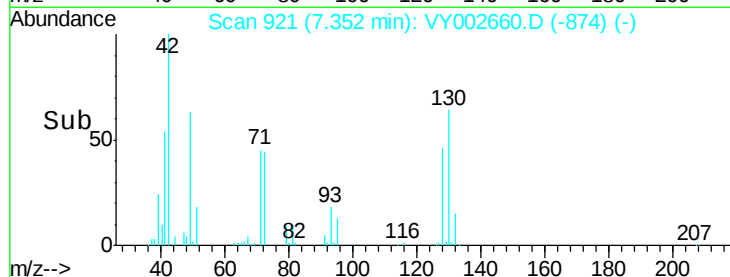
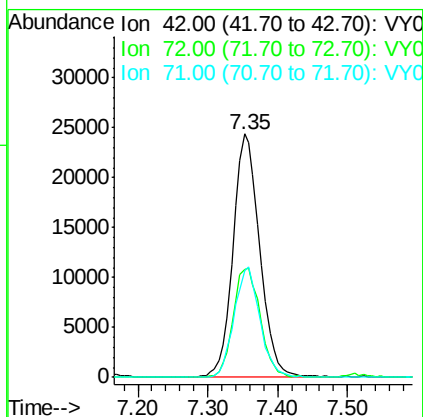
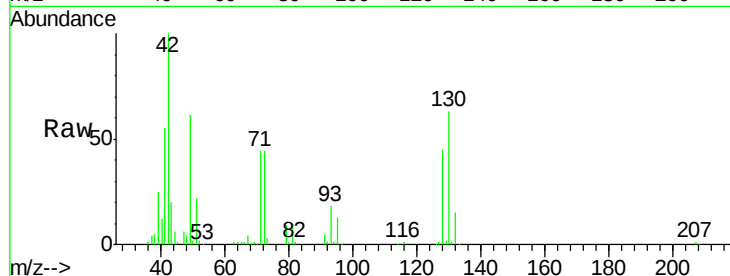




#29
Tetrahydrofuran
Concen: 88.15 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY002660.D
Acq: 12 May 2020 12:03

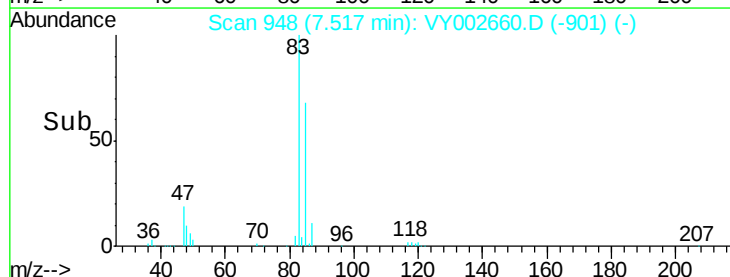
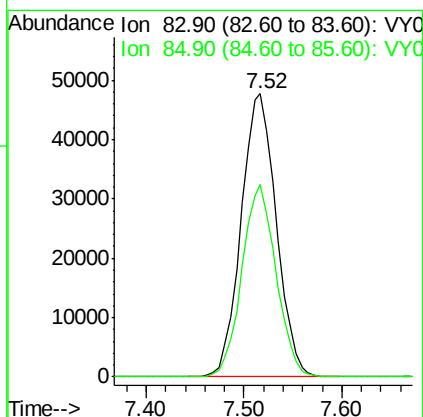
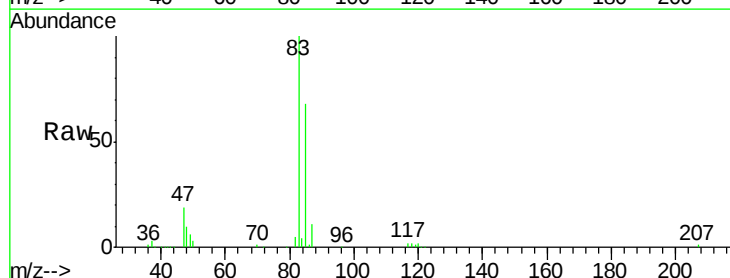
Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBS01

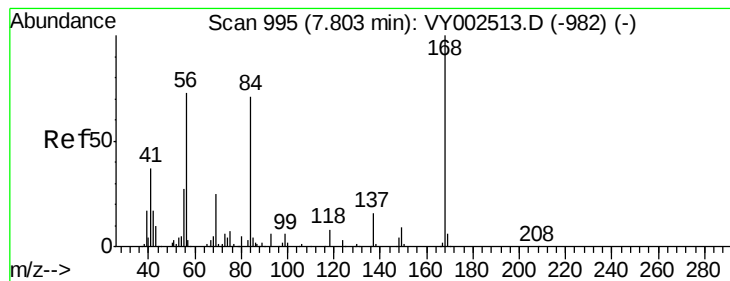
Tgt Ion: 42 Resp: 64743
Ion Ratio Lower Upper
42 100
72 45.2 37.4 56.2
71 43.5 35.0 52.4



#30
Chloroform
Concen: 19.44 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY002660.D
Acq: 12 May 2020 12:03

Tgt Ion: 83 Resp: 118604
Ion Ratio Lower Upper
83 100
85 67.9 51.5 77.3





#31

Cyclohexane

Concen: 18.71 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

Instrument :

MSVOA_Y

ClientSampleId :

VY0512SBS01

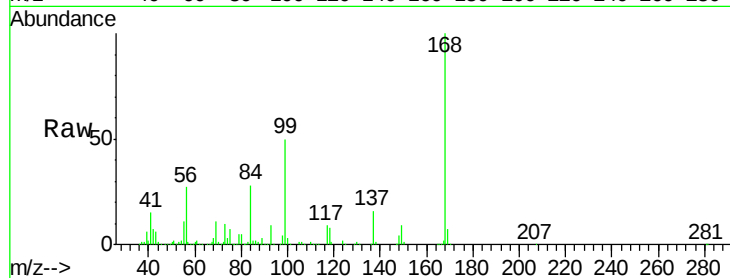
Tgt Ion: 56 Resp: 110486

Ion Ratio Lower Upper

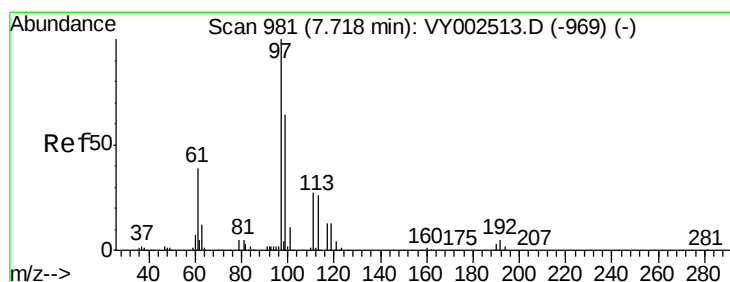
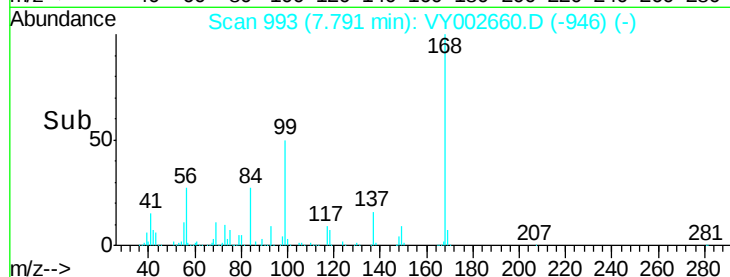
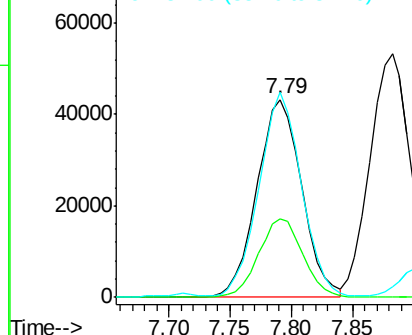
56 100

69 39.6 27.6 41.4

84 102.0 77.7 116.5



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 19.41 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

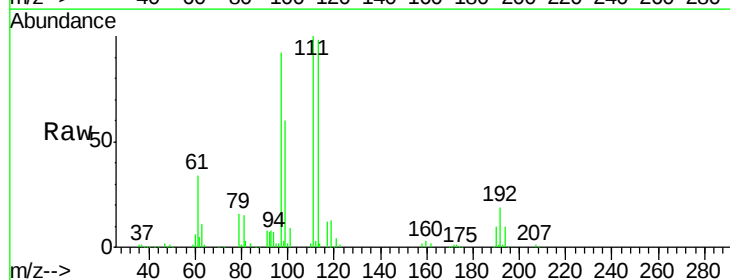
Tgt Ion: 97 Resp: 110061

Ion Ratio Lower Upper

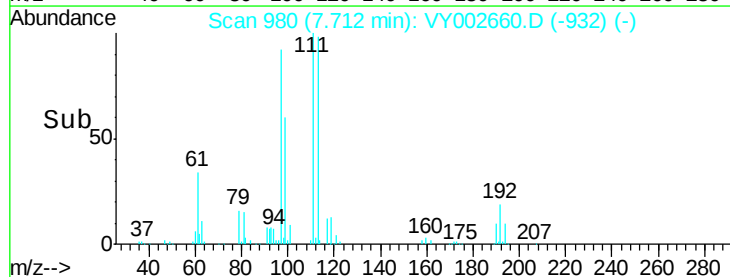
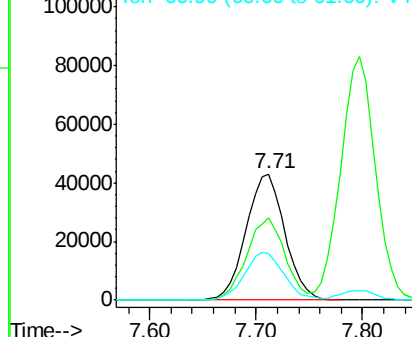
97 100

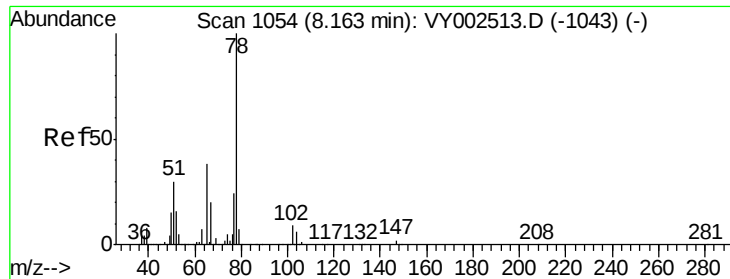
99 64.2 51.9 77.9

61 38.3 31.0 46.6



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0

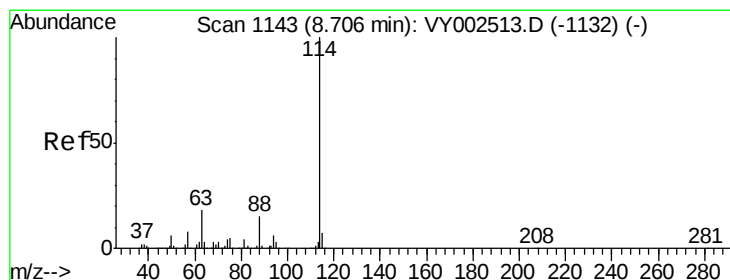
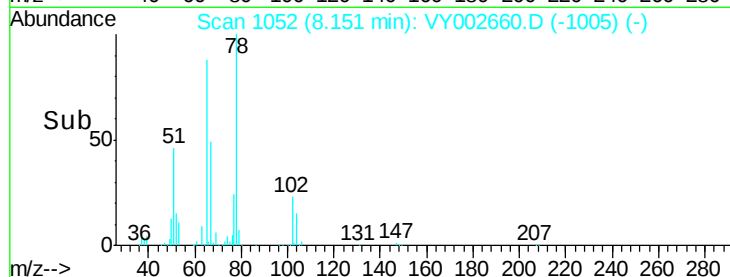
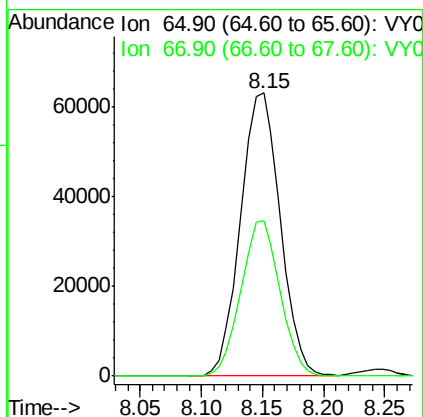
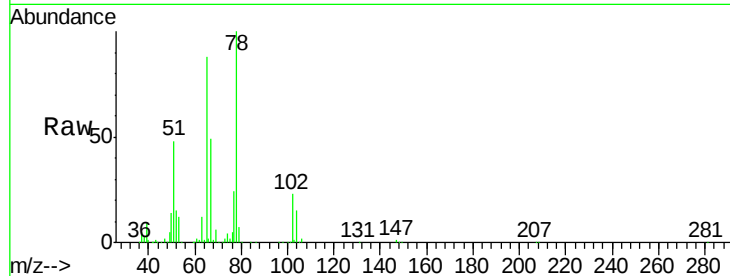




#33
 1,2-Dichloroethane-d4
 Concen: 43.52 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY002660.D
 Acq: 12 May 2020 12:03

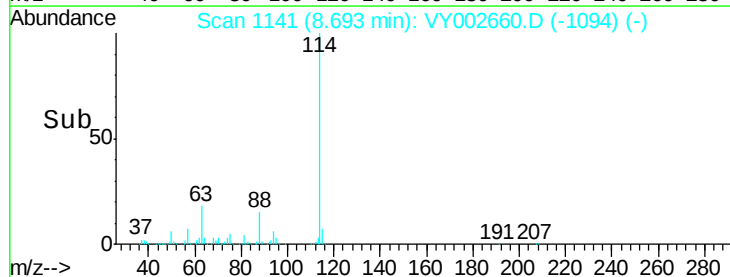
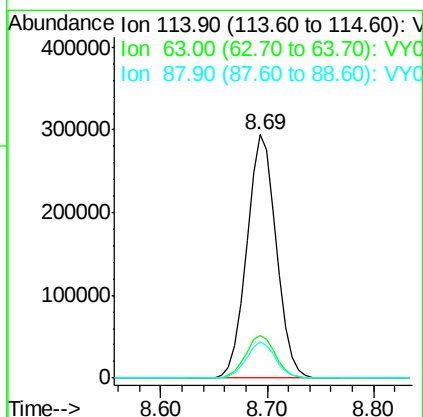
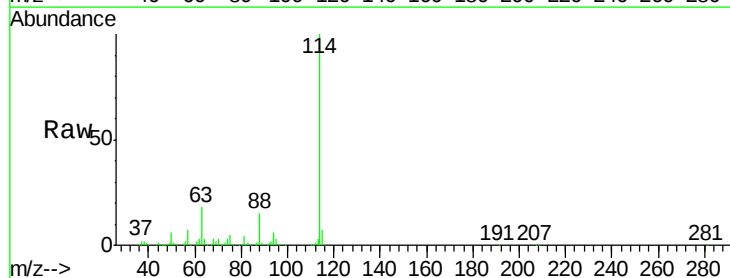
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0512SBS01

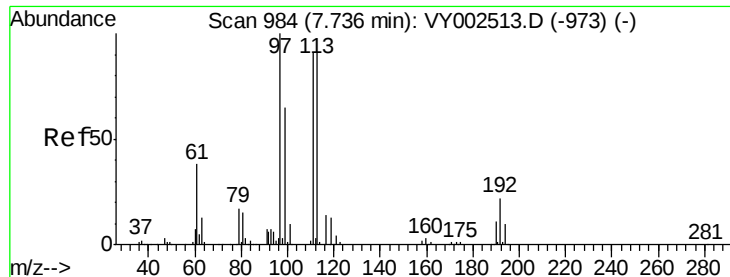
Tgt Ion: 65 Resp: 143012
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY002660.D
 Acq: 12 May 2020 12:03

Tgt Ion: 114 Resp: 571295
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 36.4
 88 14.7 0.0 29.6

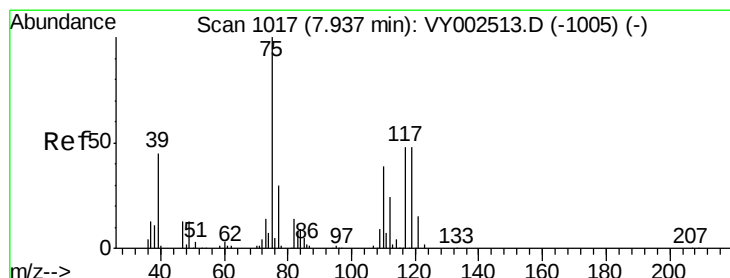
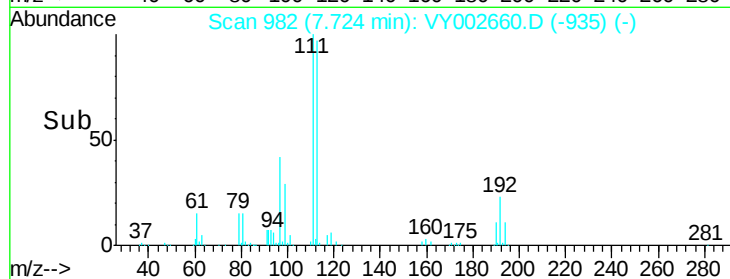
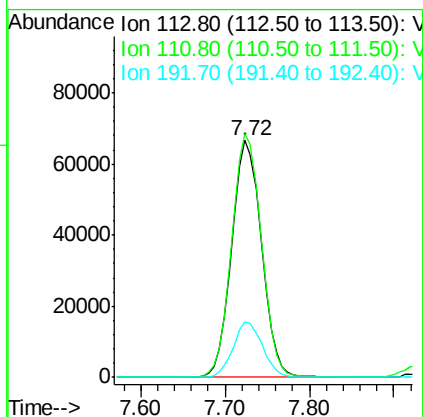
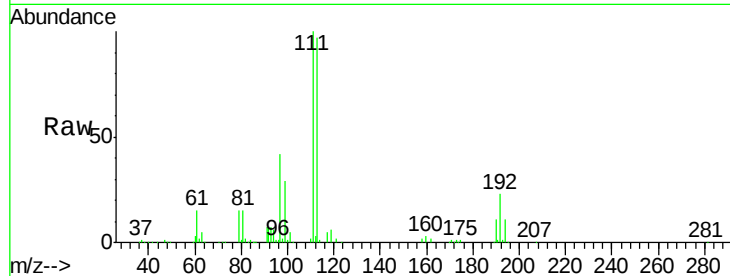




#35
 Dibromofluoromethane
 Concen: 48.79 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002660.D
 Acq: 12 May 2020 12:03

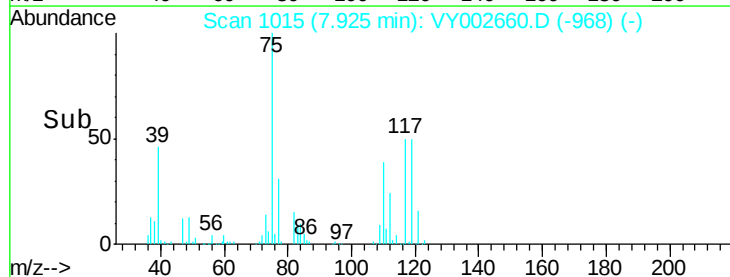
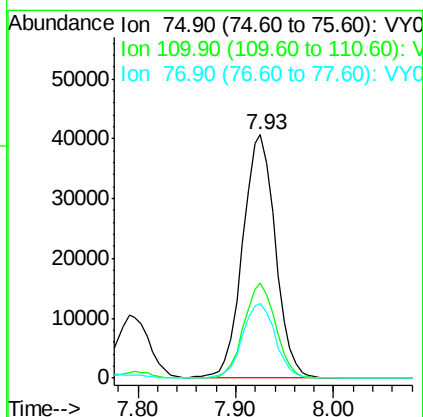
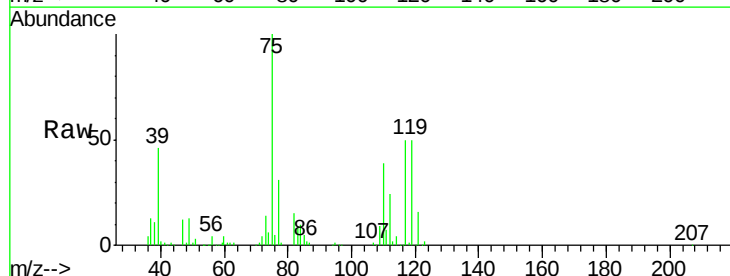
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0512SBS01

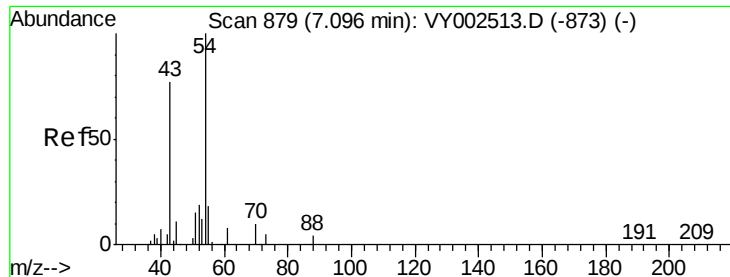
Tgt Ion: 113 Resp: 159409
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.8 122.6
 192 23.1 18.2 27.4



#36
 1,1-Dichloropropene
 Concen: 19.72 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: VY002660.D
 Acq: 12 May 2020 12:03

Tgt Ion: 75 Resp: 94423
 Ion Ratio Lower Upper
 75 100
 110 38.1 19.1 57.3
 77 30.9 24.6 37.0

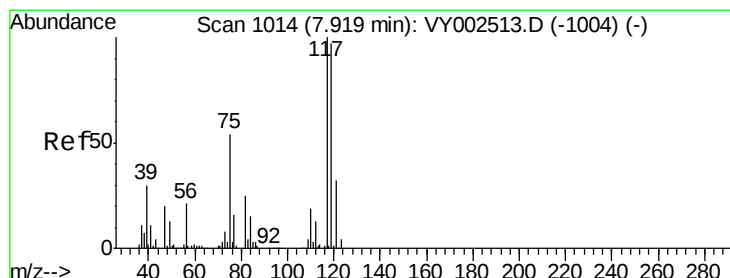
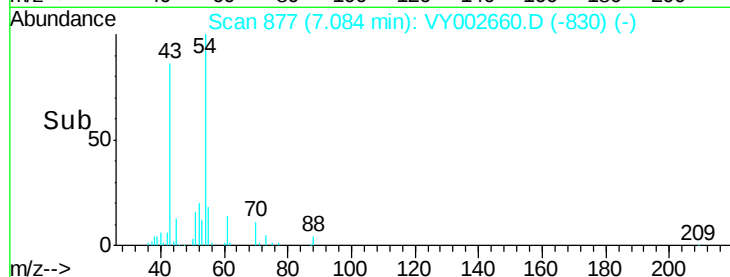
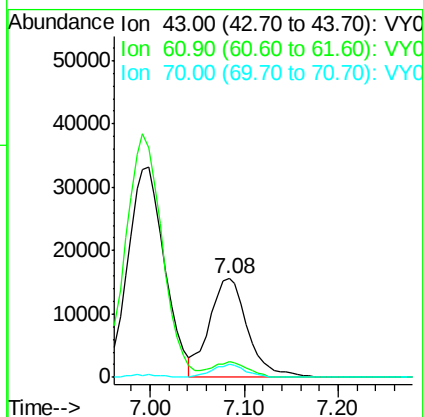
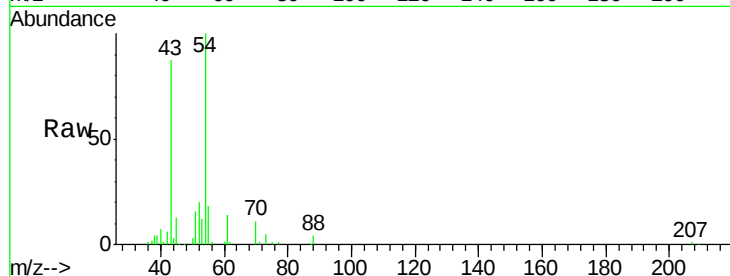




#37
Ethyl Acetate
Concen: 17.95 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY002660.D
Acq: 12 May 2020 12:03

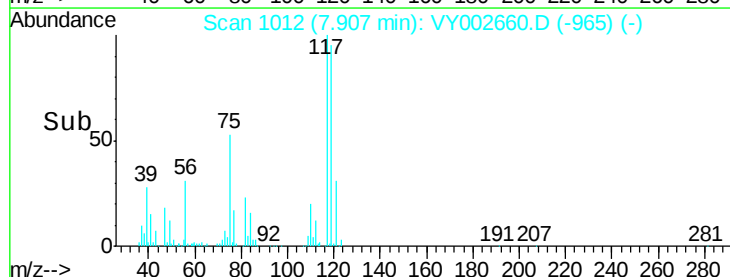
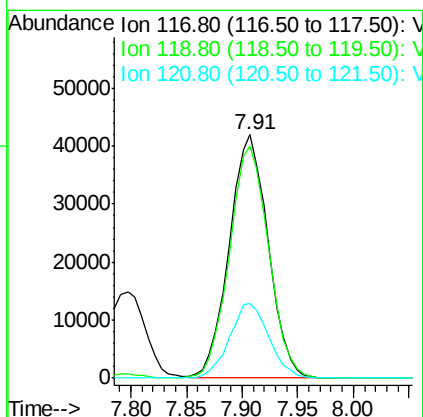
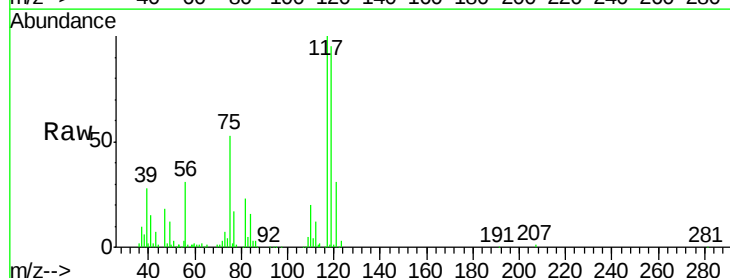
Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBS01

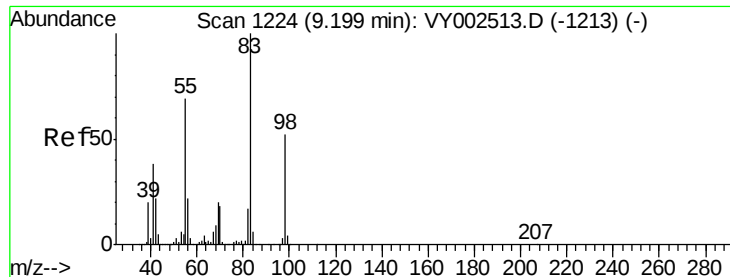
Tgt Ion: 43 Resp: 44182
Ion Ratio Lower Upper
43 100
61 14.7 11.6 17.4
70 11.6 9.0 13.6



#38
Carbon Tetrachloride
Concen: 19.47 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY002660.D
Acq: 12 May 2020 12:03

Tgt Ion: 117 Resp: 101816
Ion Ratio Lower Upper
117 100
119 95.3 77.1 115.7
121 30.9 25.2 37.8

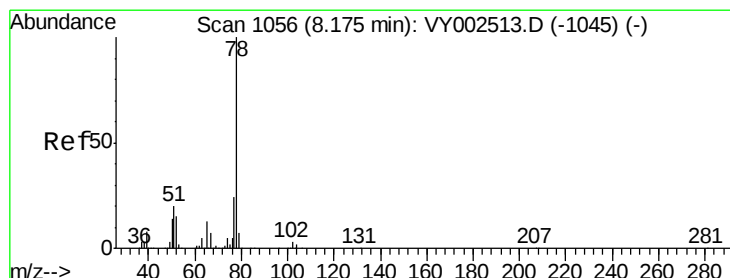
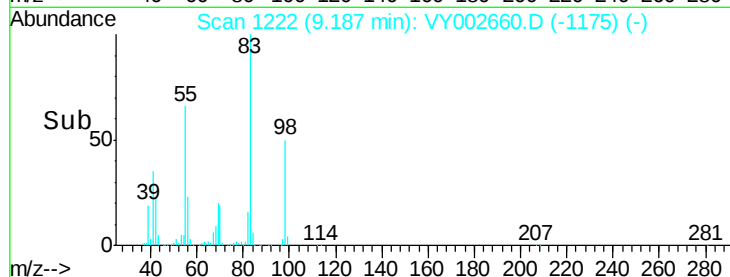
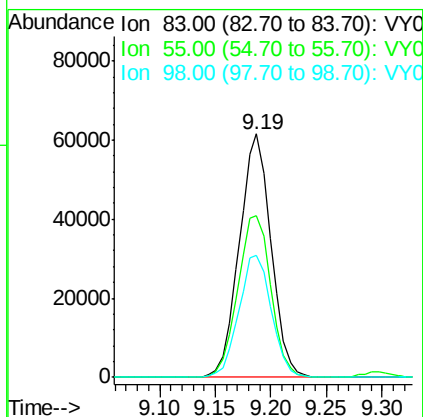
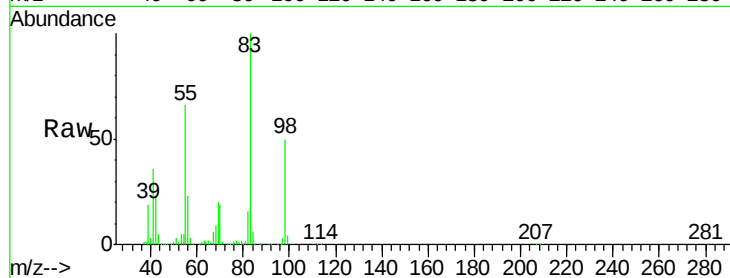




#39
Methylcyclohexane
Concen: 19.20 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY002660.D
Acq: 12 May 2020 12:03

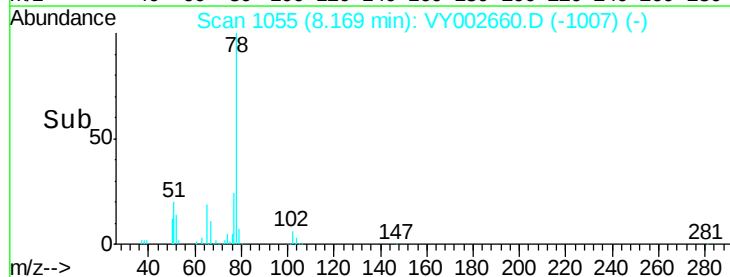
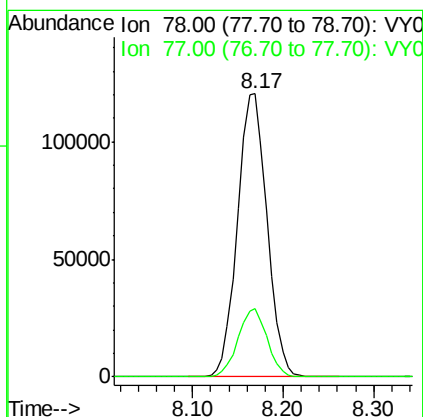
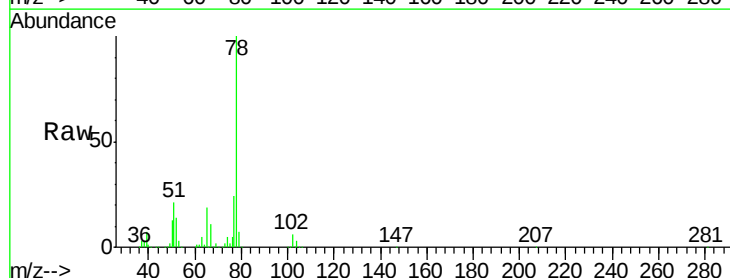
Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBS01

Tgt Ion: 83 Resp: 121464
Ion Ratio Lower Upper
83 100
55 66.4 55.4 83.0
98 50.4 41.3 61.9



#40
Benzene
Concen: 19.70 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY002660.D
Acq: 12 May 2020 12:03

Tgt Ion: 78 Resp: 272448
Ion Ratio Lower Upper
78 100
77 24.2 19.2 28.8

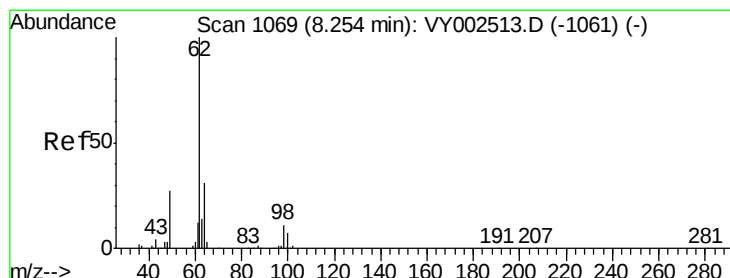
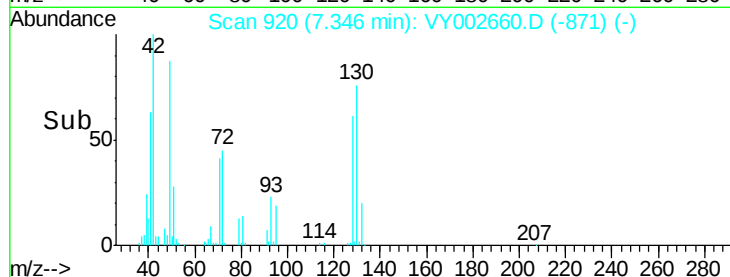
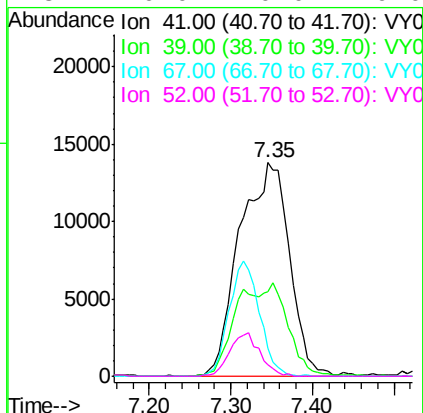
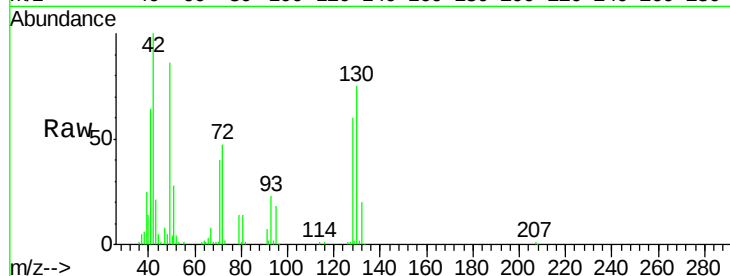




#41
Methacrylonitrile
Concen: 44.09 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.00 min
Lab File: VY002660.D
Acq: 12 May 2020 12:03

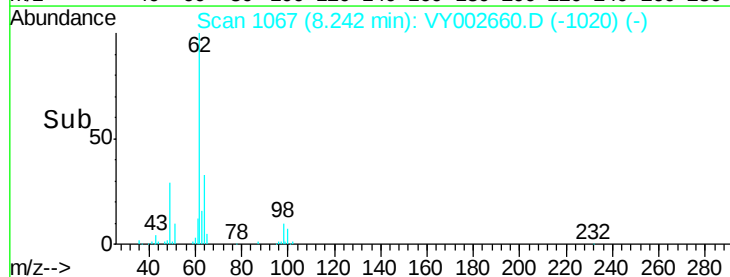
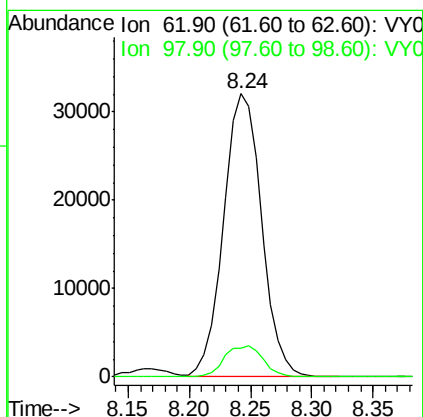
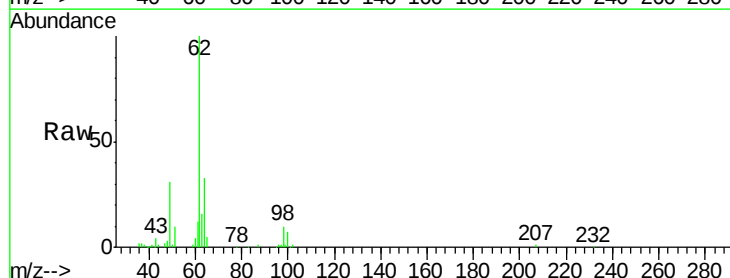
Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBS01

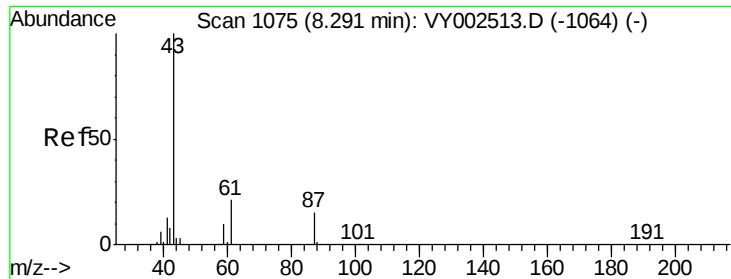
Tgt Ion:	41	Resp:	58339
Ion	Ratio	Lower	Upper
41	100		
39	0.0	83.1	124.7#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 17.82 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY002660.D
Acq: 12 May 2020 12:03

Tgt Ion:	62	Resp:	69133
Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	21.0

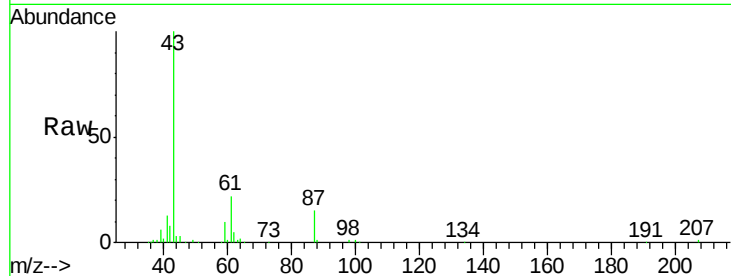




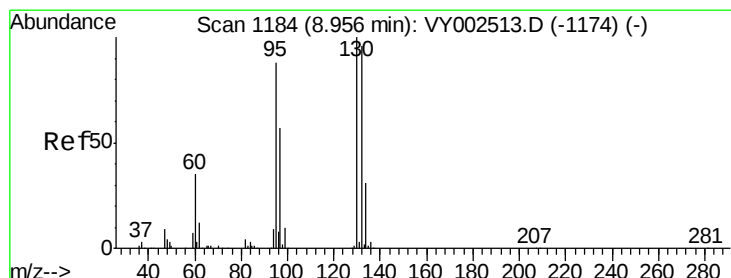
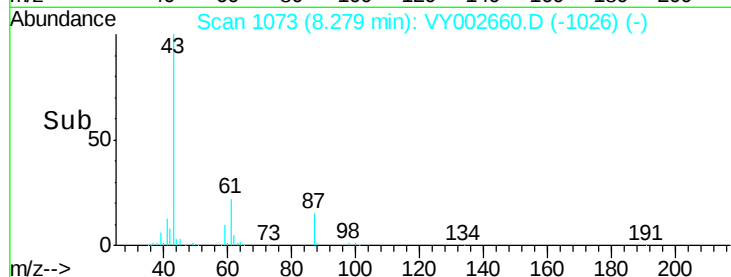
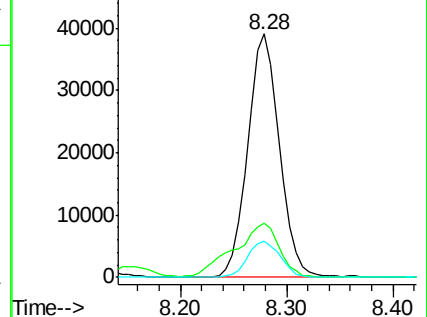
#43
Isopropyl Acetate
Concen: 17.76 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.01 min
Lab File: VY002660.D
Acq: 12 May 2020 12:03

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBS01

Tgt Ion: 43 Resp: 81943
Ion Ratio Lower Upper
43 100
61 31.5 24.8 37.2
87 15.4 12.2 18.2

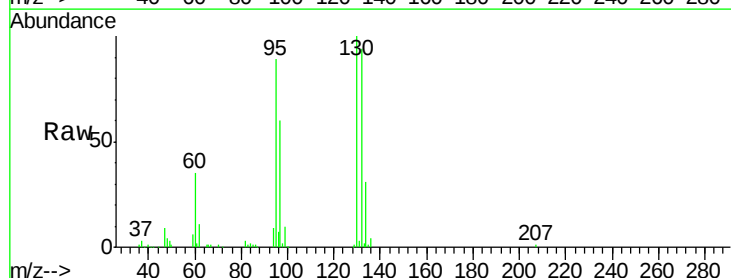


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 87.00 (86.70 to 87.70): VY0

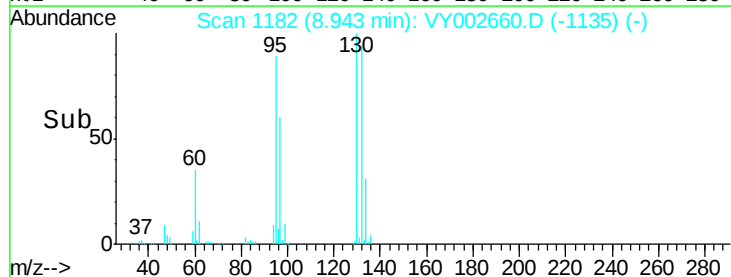
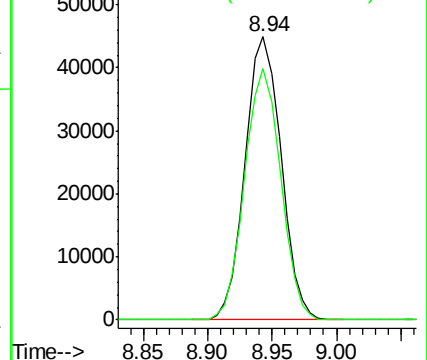


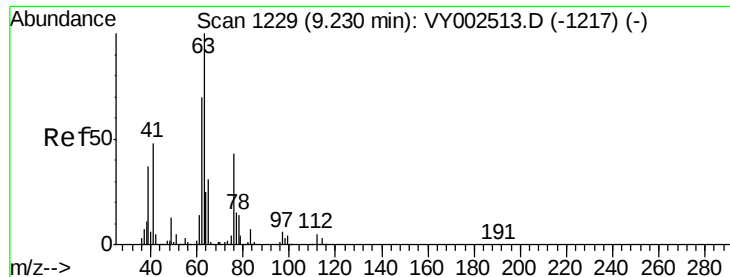
#44
Trichloroethene
Concen: 20.14 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VY002660.D
Acq: 12 May 2020 12:03

Tgt Ion: 130 Resp: 87070
Ion Ratio Lower Upper
130 100
95 88.8 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VY0





#45

1,2-Dichloropropane

Concen: 19.85 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

Instrument :

MSVOA_Y

ClientSampleId :

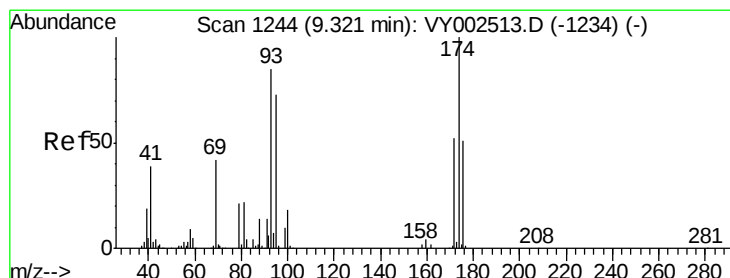
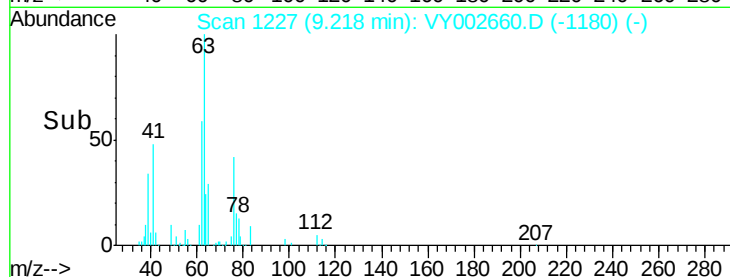
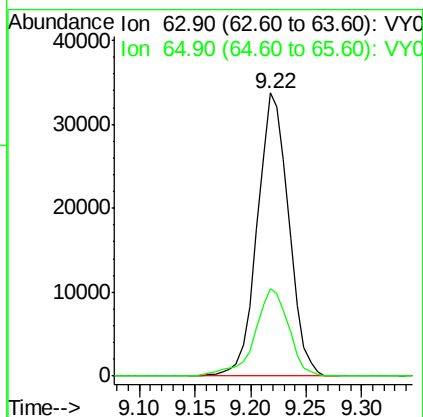
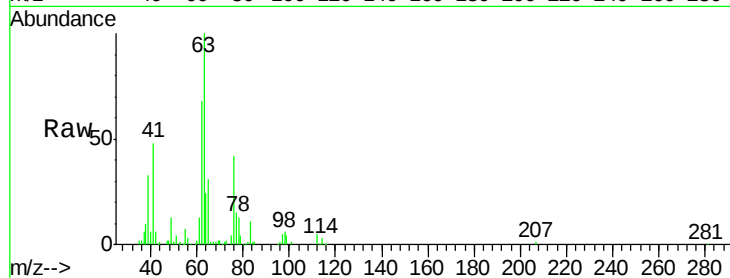
VY0512SBS01

Tgt Ion: 63 Resp: 66269

Ion Ratio Lower Upper

63 100

65 30.7 24.5 36.7



#46

Dibromomethane

Concen: 18.28 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

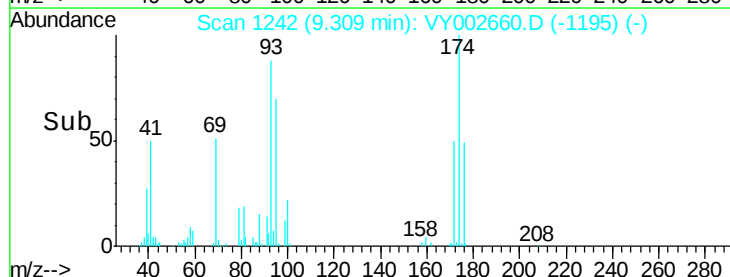
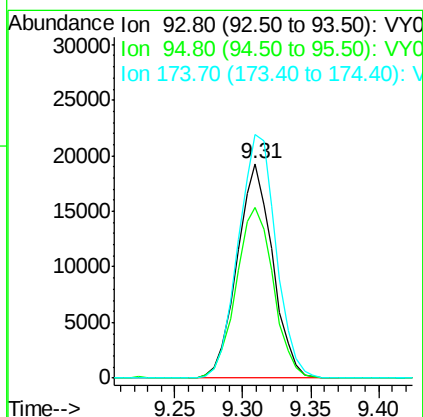
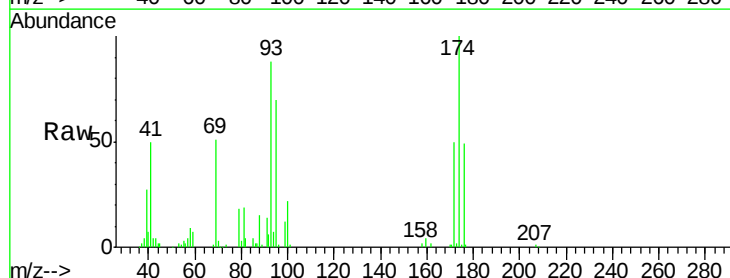
Tgt Ion: 93 Resp: 35109

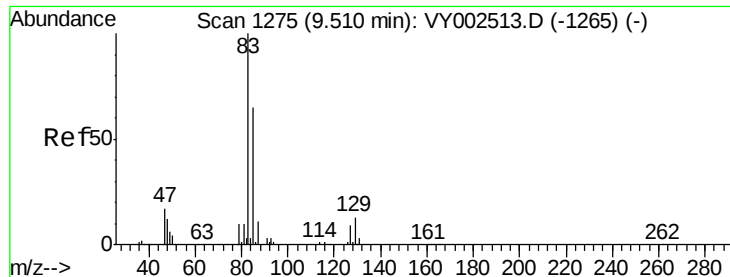
Ion Ratio Lower Upper

93 100

95 83.2 67.0 100.4

174 120.4 92.7 139.1





#47

Bromodichloromethane

Concen: 19.07 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

Instrument :

MSVOA_Y

ClientSampleId :

VY0512SBS01

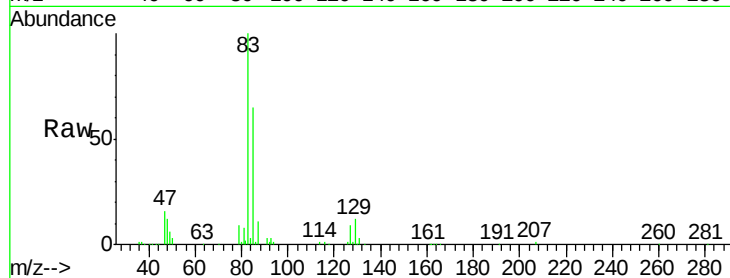
Tgt Ion: 83 Resp: 89075

Ion Ratio Lower Upper

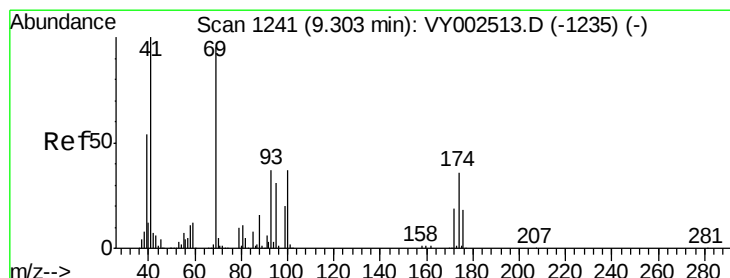
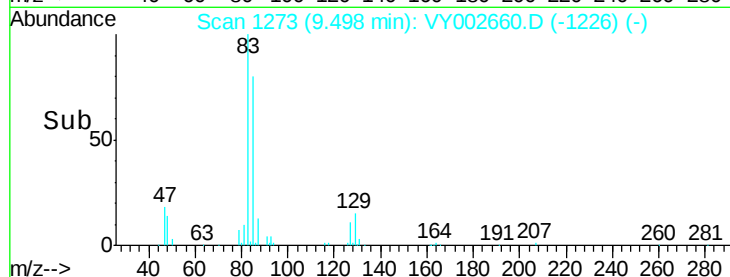
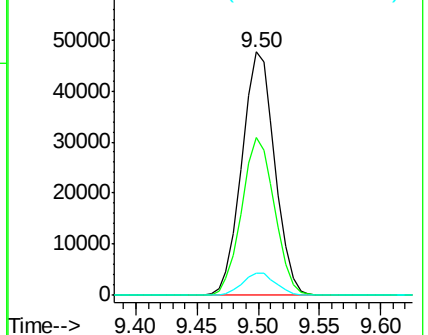
83 100

85 64.7 51.8 77.8

127 9.2 7.4 11.0



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): VY0



#48

Methyl methacrylate

Concen: 17.69 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

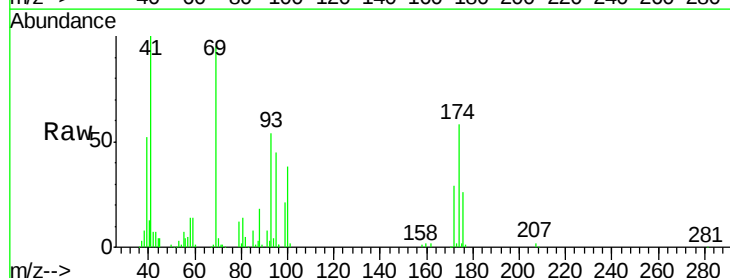
Tgt Ion: 41 Resp: 36946

Ion Ratio Lower Upper

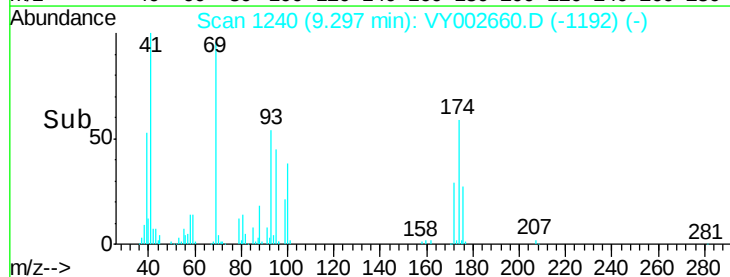
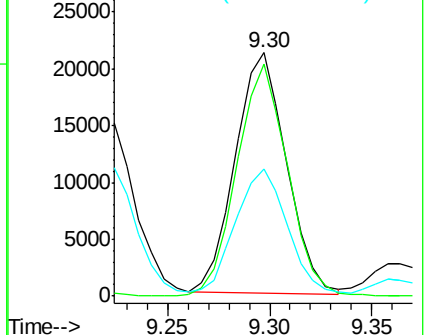
41 100

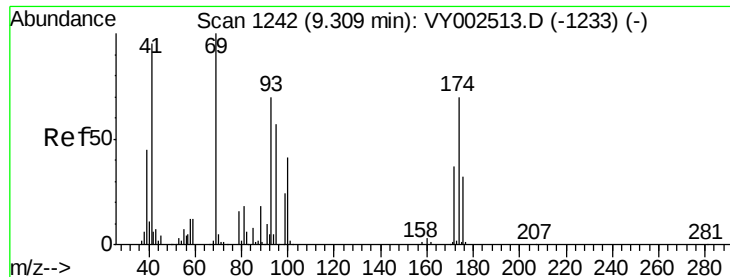
69 95.6 76.2 114.4

39 51.7 42.7 64.1



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

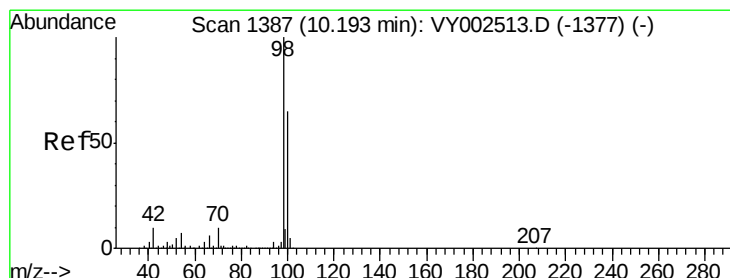
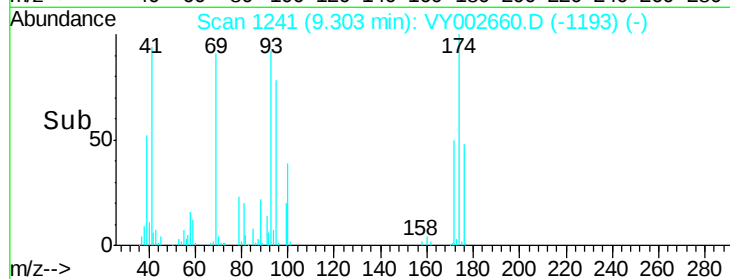
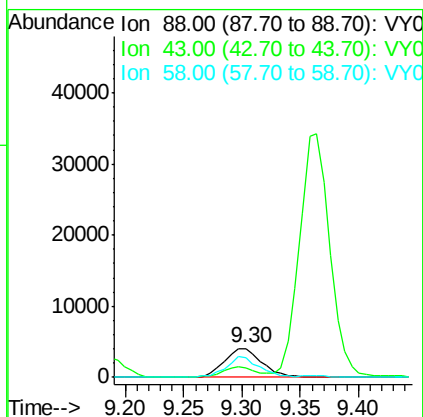
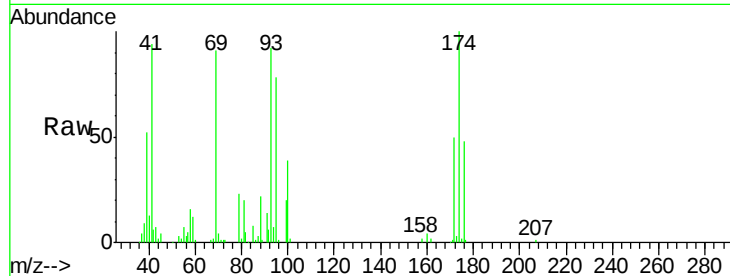




#49
1,4-Dioxane
Concen: 357.08 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY002660.D
Acq: 12 May 2020 12:03

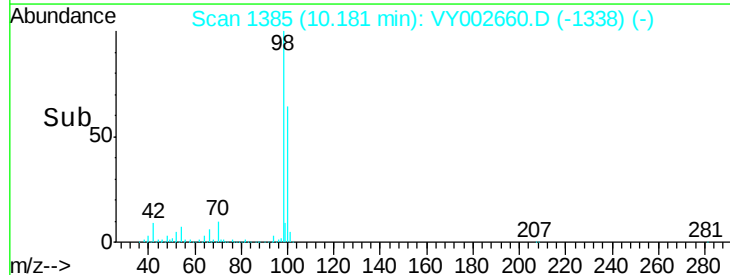
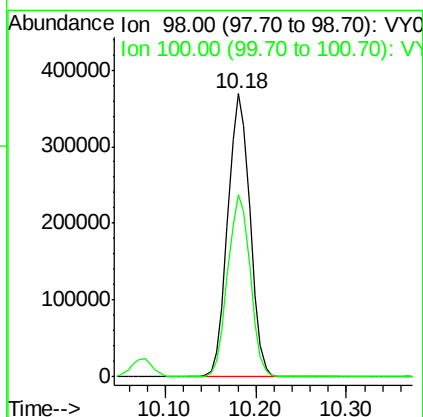
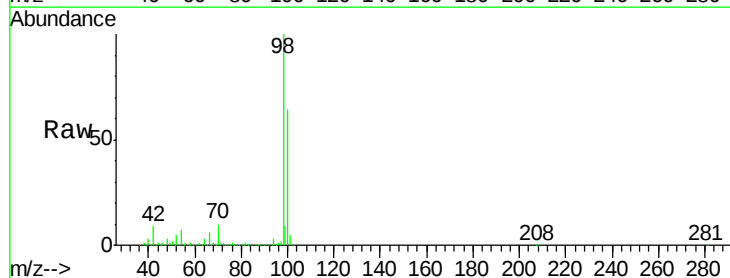
Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBS01

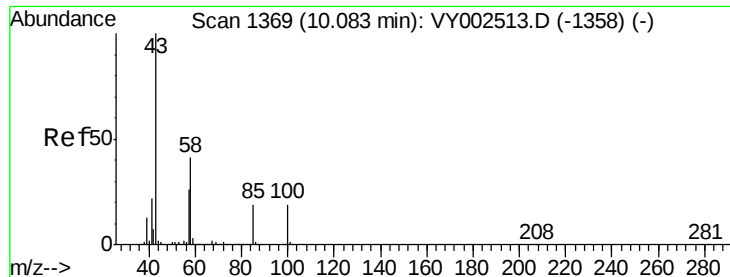
Tgt Ion: 88 Resp: 9081
Ion Ratio Lower Upper
88 100
43 32.1 22.8 34.2
58 63.9 51.4 77.2



#50
Toluene-d8
Concen: 49.22 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY002660.D
Acq: 12 May 2020 12:03

Tgt Ion: 98 Resp: 627973
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 91.24 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

Instrument :

MSVOA_Y

ClientSampleId :

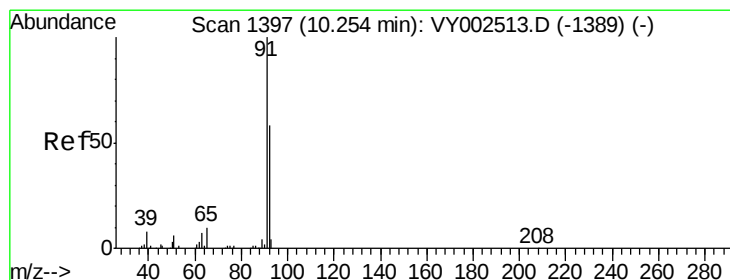
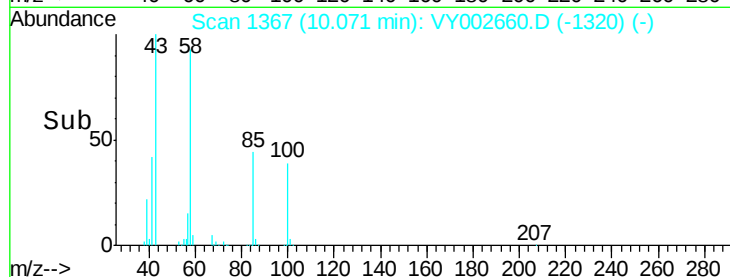
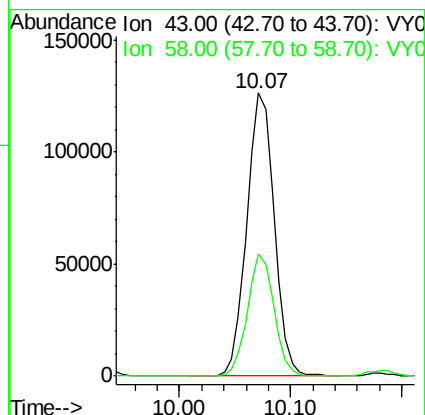
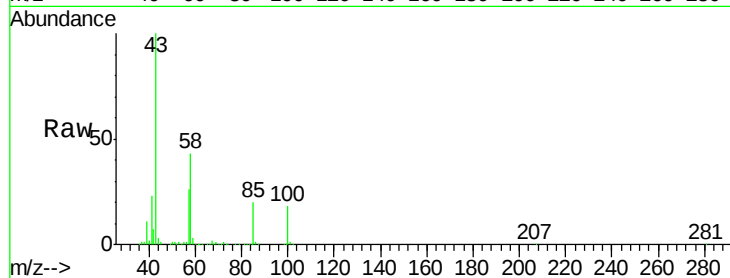
VY0512SBS01

Tgt Ion: 43 Resp: 216990

Ion Ratio Lower Upper

43 100

58 41.7 33.2 49.8



#52

Toluene

Concen: 19.78 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY002660.D

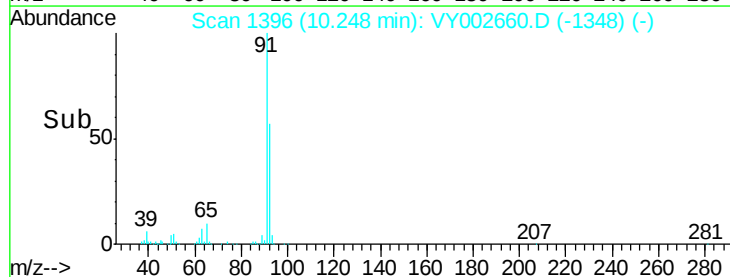
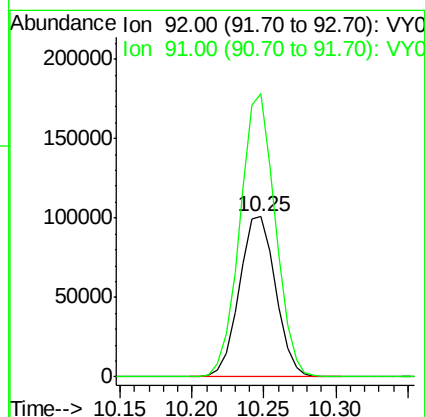
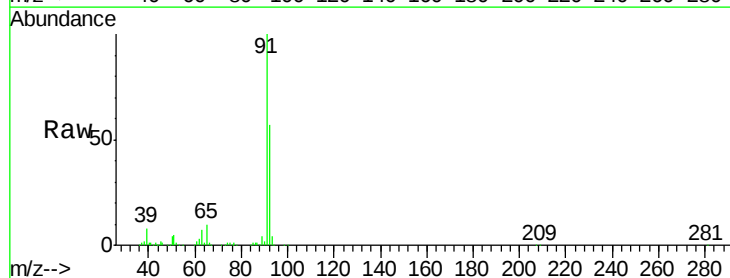
Acq: 12 May 2020 12:03

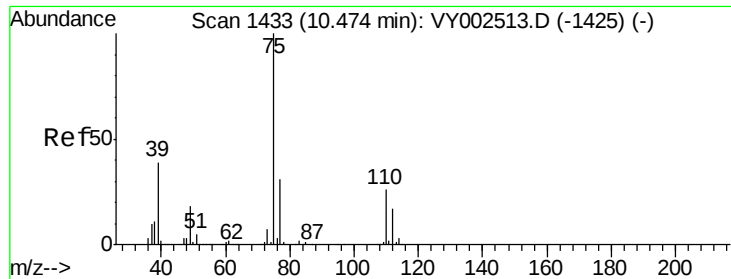
Tgt Ion: 92 Resp: 175858

Ion Ratio Lower Upper

92 100

91 172.2 139.3 208.9





#53

t-1,3-Dichloropropene

Concen: 19.00 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

Instrument :

MSVOA_Y

ClientSampleId :

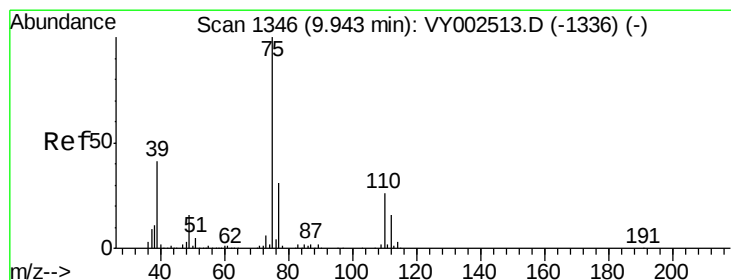
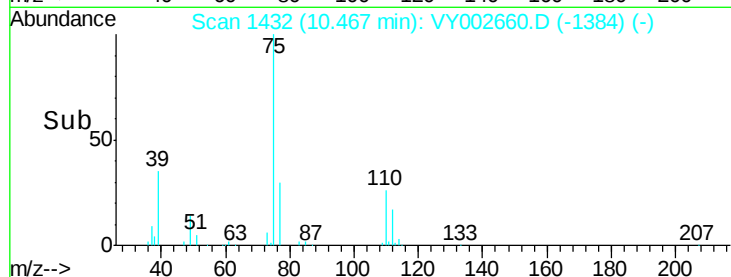
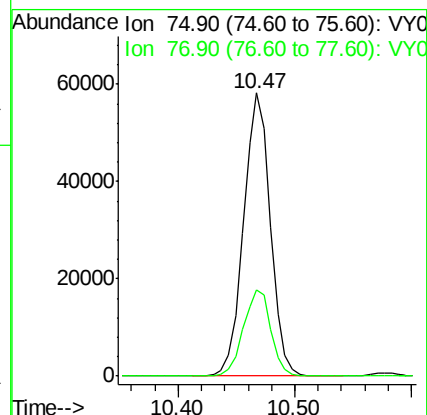
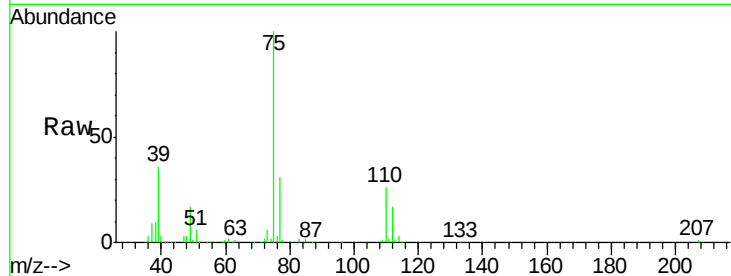
VY0512SBS01

Tgt Ion: 75 Resp: 92957

Ion Ratio Lower Upper

75 100

77 30.7 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 19.40 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

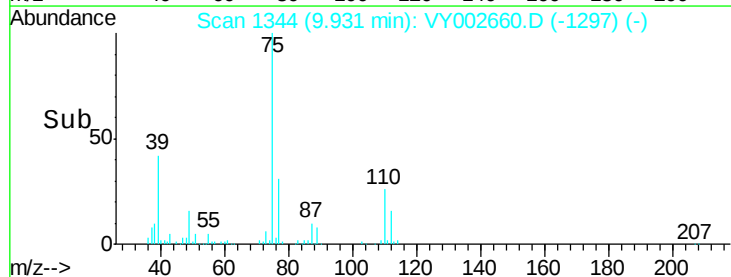
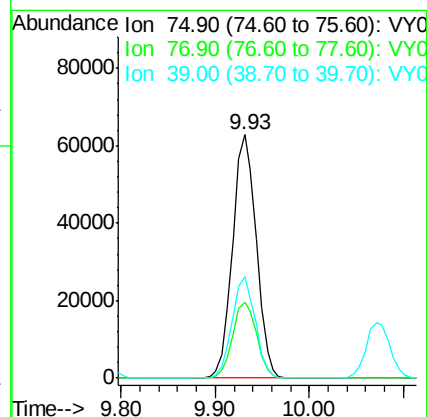
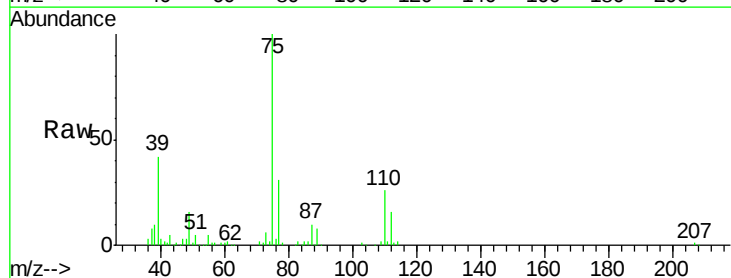
Tgt Ion: 75 Resp: 109742

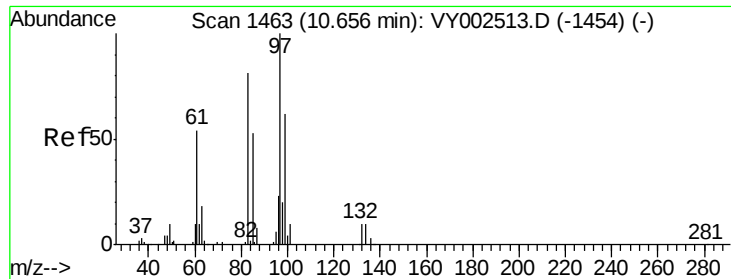
Ion Ratio Lower Upper

75 100

77 31.0 25.1 37.7

39 41.7 32.7 49.1

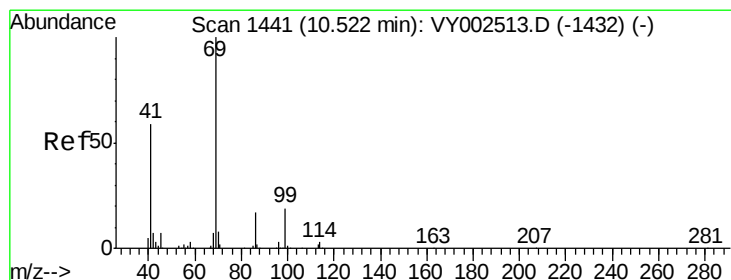
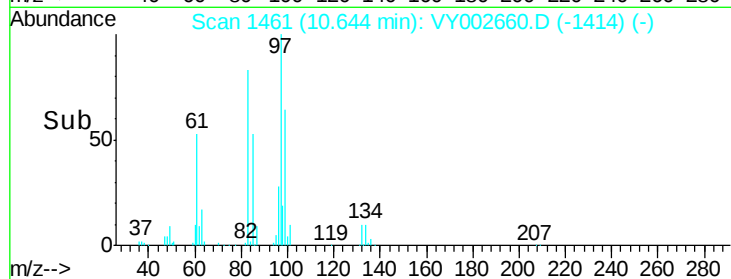
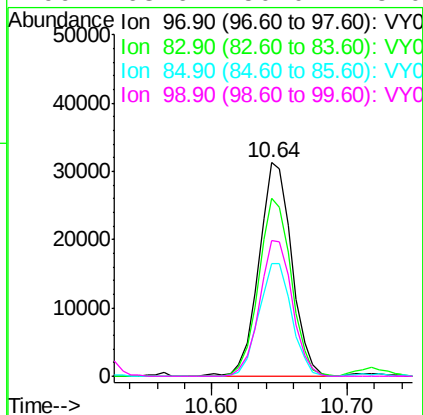
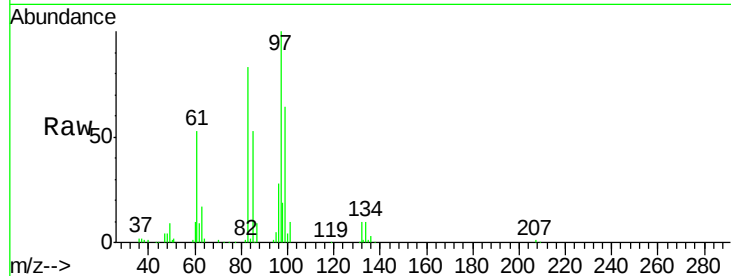




#55
 1,1,2-Trichloroethane
 Concen: 18.94 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: VY002660.D
 Acq: 12 May 2020 12:03

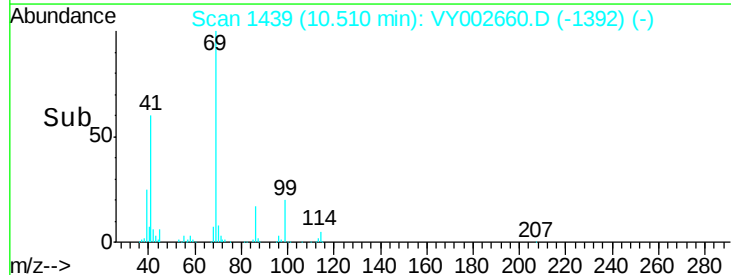
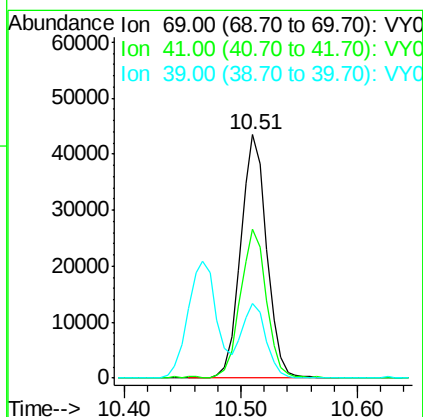
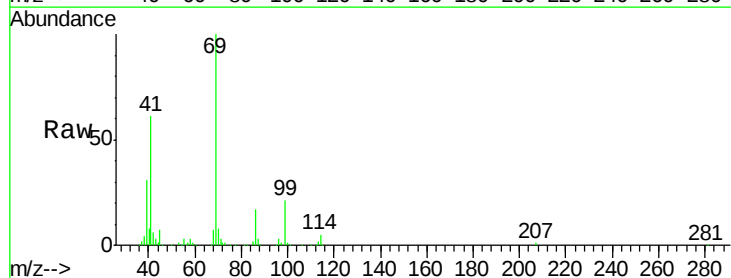
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0512SBS01

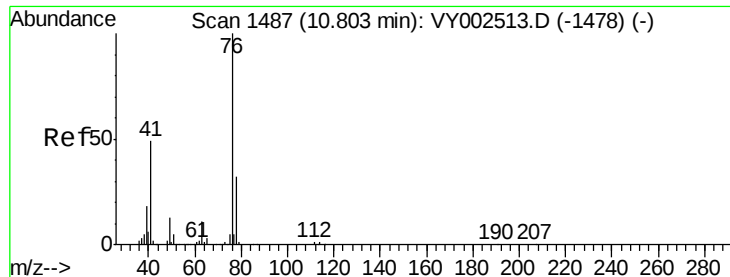
Tgt Ion:	97	Resp:	53038
Ion	Ratio	Lower	Upper
97	100		
83	83.2	65.1	97.7
85	52.8	42.7	64.1
99	63.6	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 18.18 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: VY002660.D
 Acq: 12 May 2020 12:03

Tgt Ion:	69	Resp:	67756
Ion	Ratio	Lower	Upper
69	100		
41	60.5	48.6	73.0
39	29.0	25.0	37.4





#57

1,3-Dichloropropane

Concen: 18.62 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

Instrument :

MSVOA_Y

ClientSampleId :

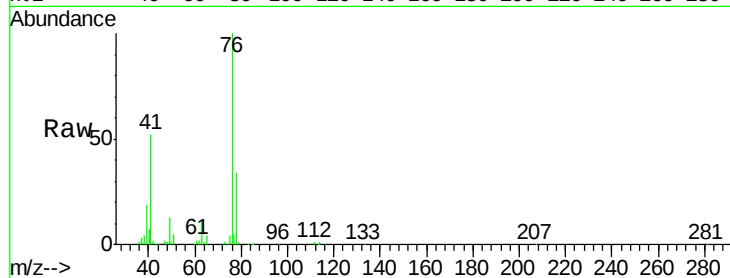
VY0512SBS01

Tgt Ion: 76 Resp: 88435

Ion Ratio Lower Upper

76 100

78 33.1 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

10.79

60000

50000

40000

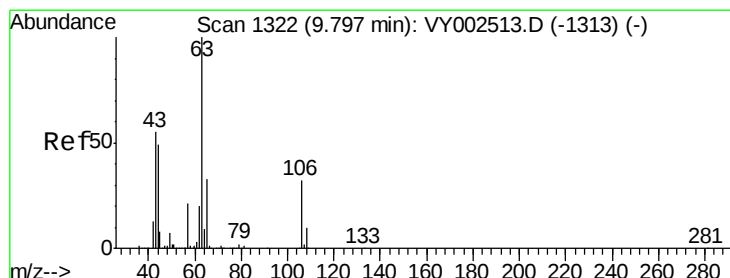
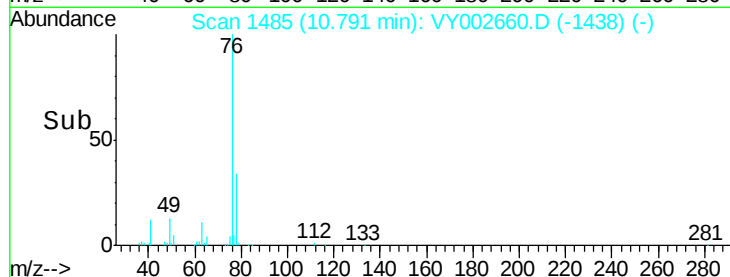
30000

20000

10000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 97.02 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VY002660.D

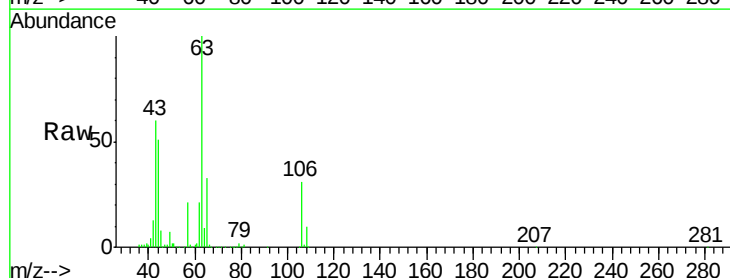
Acq: 12 May 2020 12:03

Tgt Ion: 63 Resp: 190646

Ion Ratio Lower Upper

63 100

106 31.5 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

9.78

120000

100000

80000

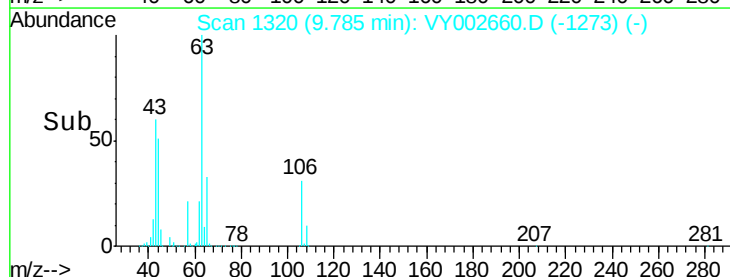
60000

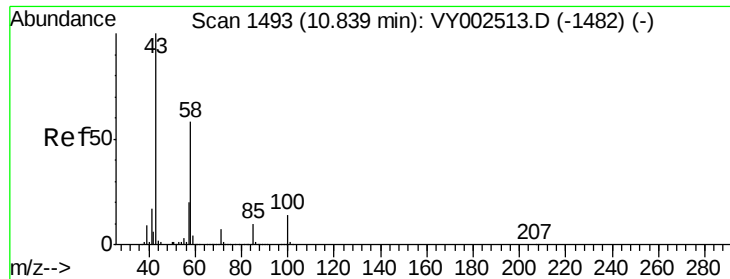
40000

20000

0

Time-->

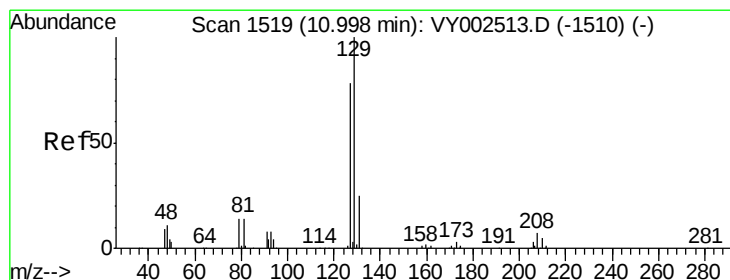
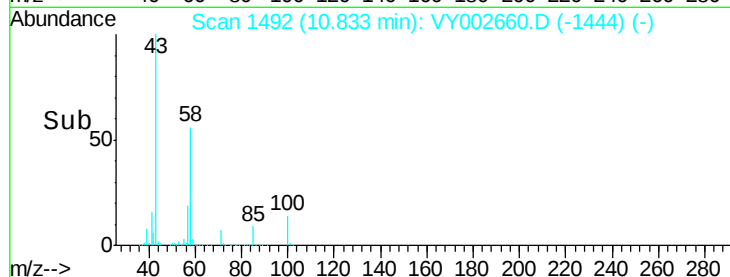
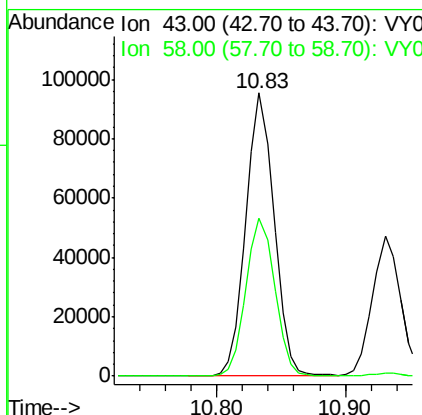
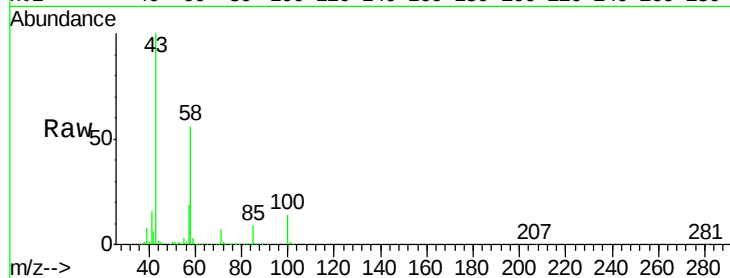




#59
2-Hexanone
Concen: 88.54 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY002660.D
Acq: 12 May 2020 12:03

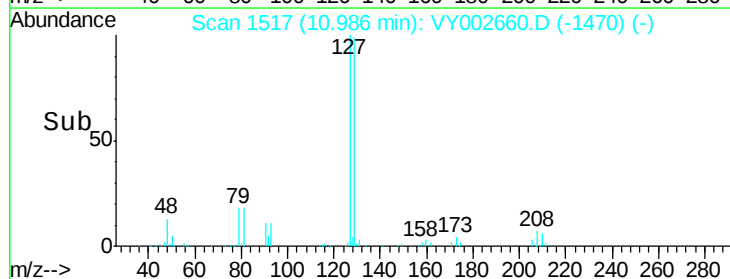
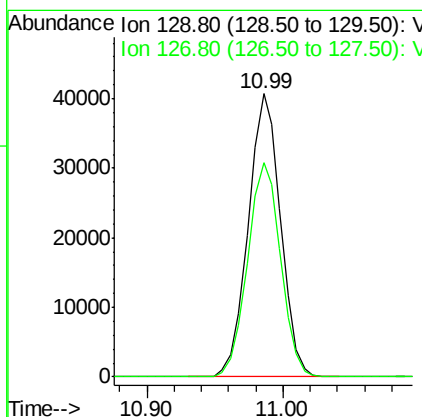
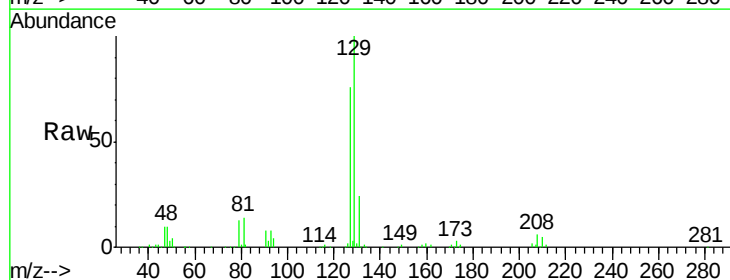
Instrument :
MSVOA_Y
ClientSampled :
VY0512SBS01

Tgt Ion: 43 Resp: 144929
Ion Ratio Lower Upper
43 100
58 57.3 29.1 87.3



#60
Dibromochloromethane
Concen: 19.01 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY002660.D
Acq: 12 May 2020 12:03

Tgt Ion: 129 Resp: 67718
Ion Ratio Lower Upper
129 100
127 77.3 39.0 117.0

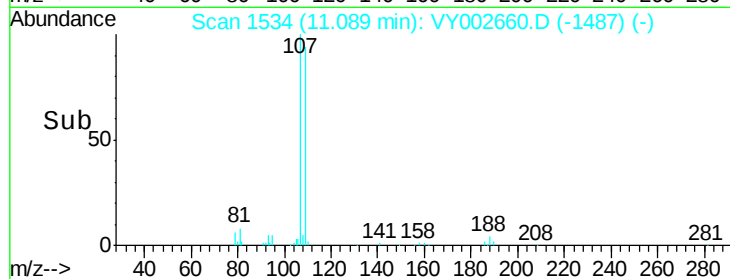
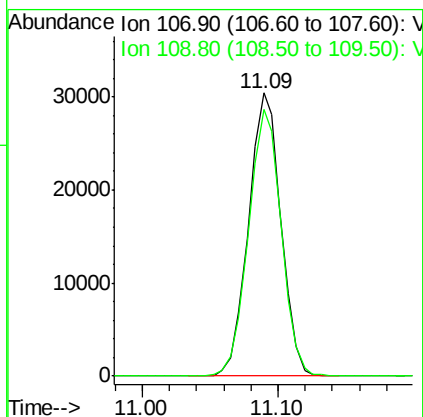
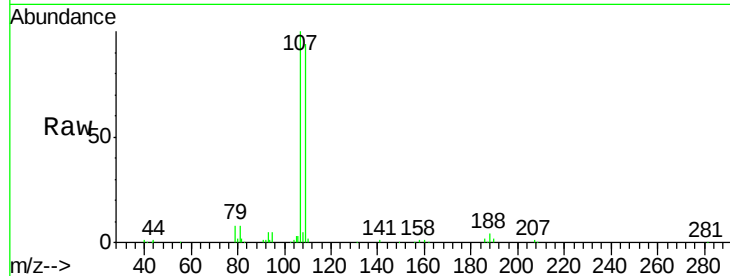




#61
 1,2-Dibromoethane
 Concen: 18.29 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VY002660.D
 Acq: 12 May 2020 12:03

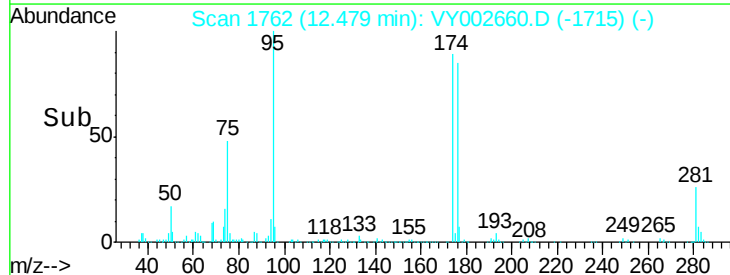
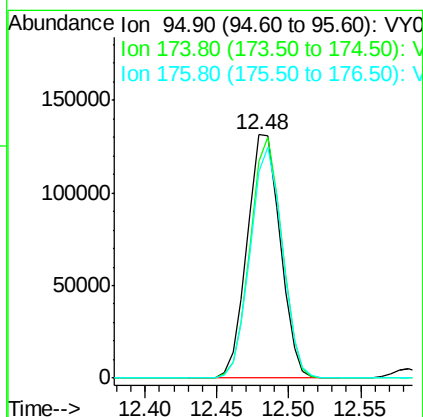
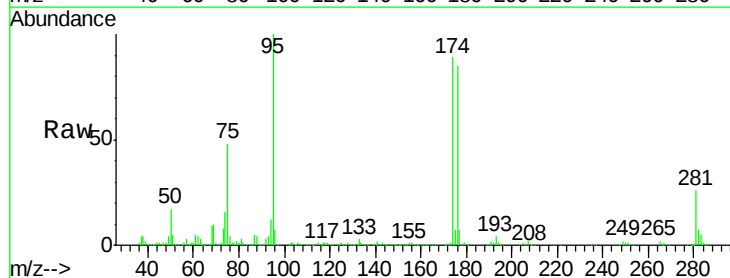
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0512SBS01

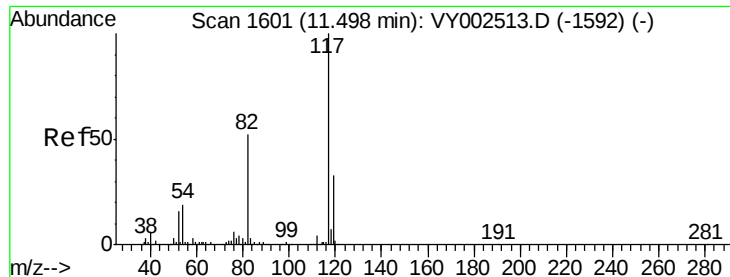
Tgt Ion: 107 Resp: 50738
 Ion Ratio Lower Upper
 107 100
 109 95.5 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 48.16 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: VY002660.D
 Acq: 12 May 2020 12:03

Tgt Ion: 95 Resp: 208516
 Ion Ratio Lower Upper
 95 100
 174 94.8 0.0 188.8
 176 91.9 0.0 183.2





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

Instrument :

MSVOA_Y

ClientSampleId :

VY0512SBS01

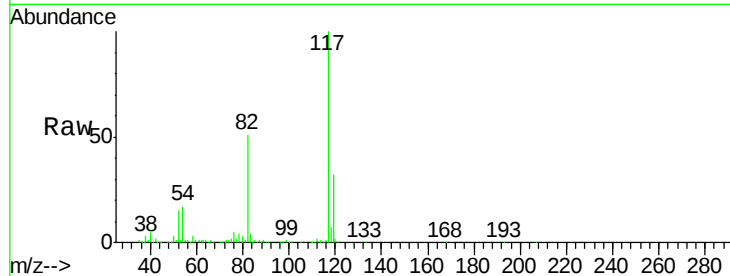
Tgt Ion:117 Resp: 505723

Ion Ratio Lower Upper

117 100

82 50.9 41.3 61.9

119 32.5 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V

400000

300000

200000

100000

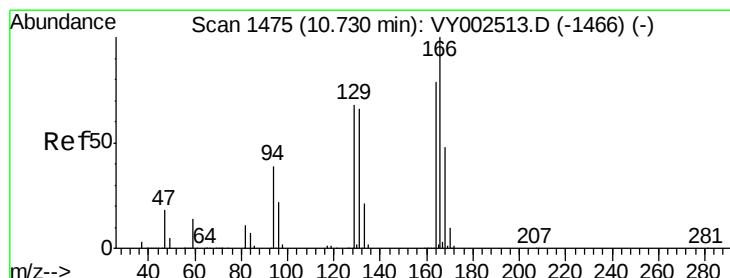
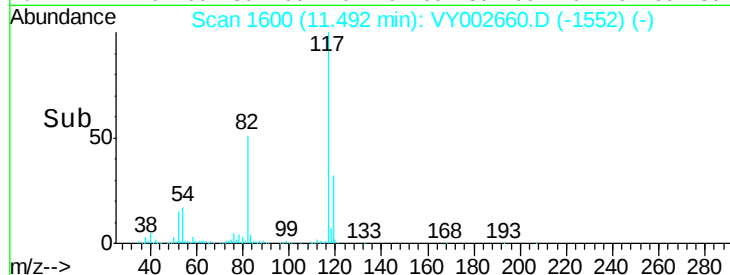
0

11.49

11.40

11.50

Time-->



#64

Tetrachloroethene

Concen: 21.59 ug/l

RT: 10.72 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

Tgt Ion:164 Resp: 96996

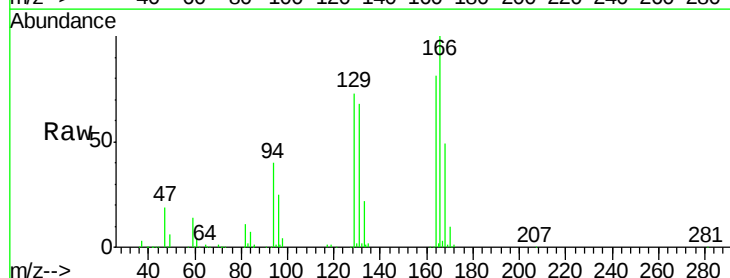
Ion Ratio Lower Upper

164 100

166 123.1 100.7 151.1

129 89.6 68.3 102.5

131 84.1 66.8 100.2



Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

100000

80000

60000

40000

20000

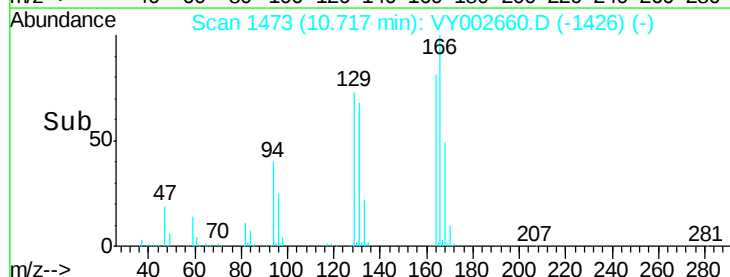
0

10.72

10.70

10.80

Time-->





#65

Chlorobenzene

Concen: 19.88 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

Instrument :

MSVOA_Y

ClientSampleId :

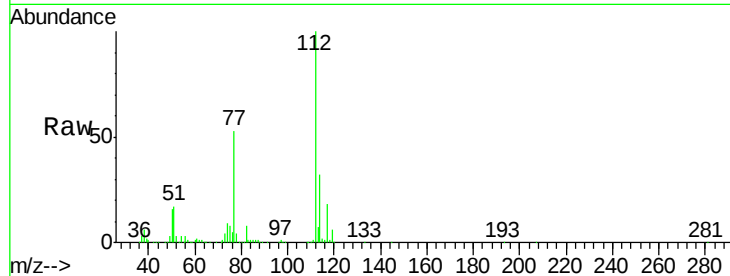
VY0512SBS01

Tgt Ion:112 Resp: 191123

Ion Ratio Lower Upper

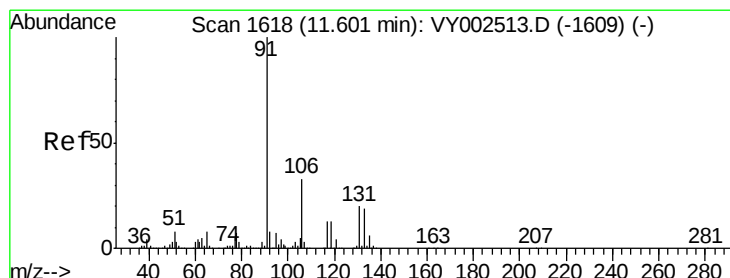
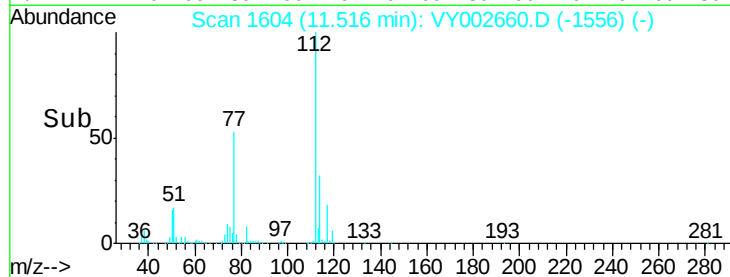
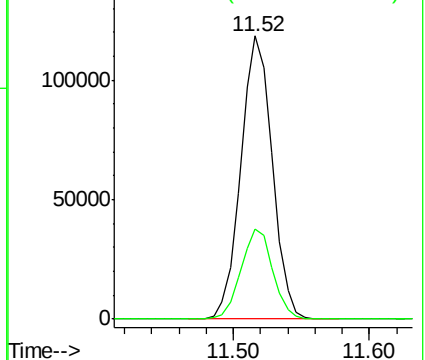
112 100

114 31.7 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.24 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

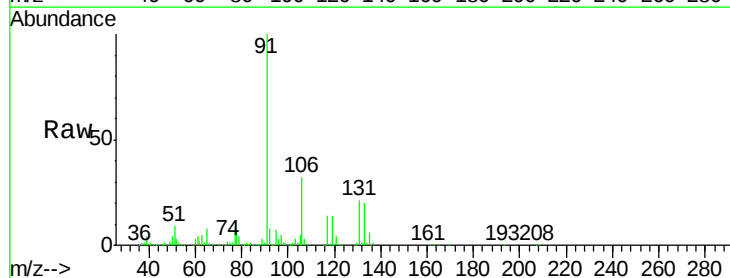
Tgt Ion:131 Resp: 72239

Ion Ratio Lower Upper

131 100

133 95.7 48.1 144.4

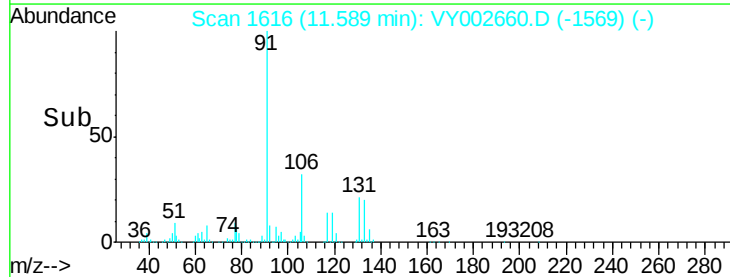
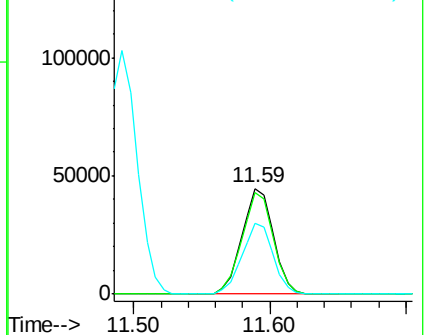
119 66.5 31.6 95.0

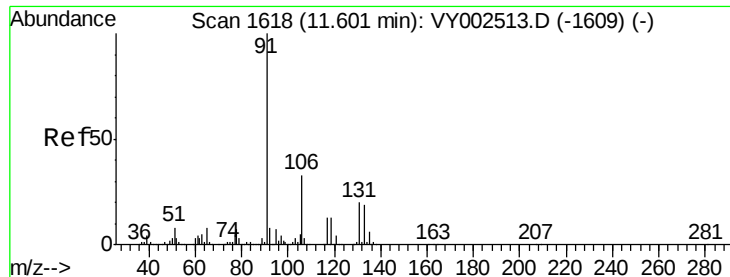


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.56 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

Instrument :

MSVOA_Y

ClientSampleId :

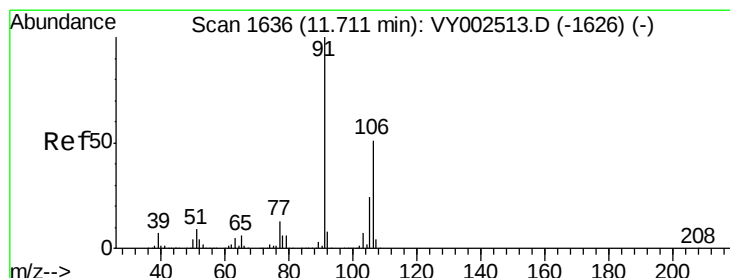
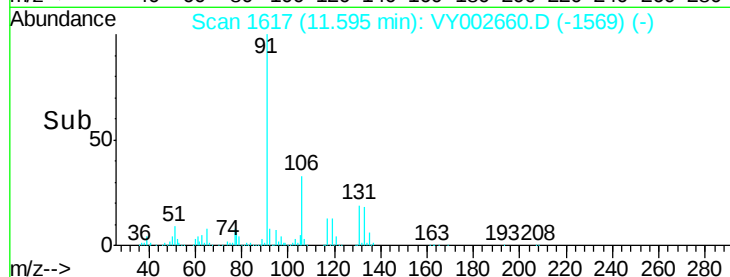
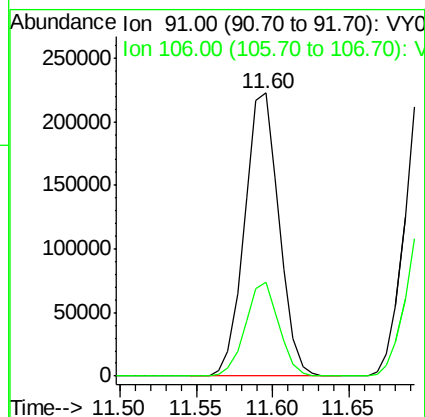
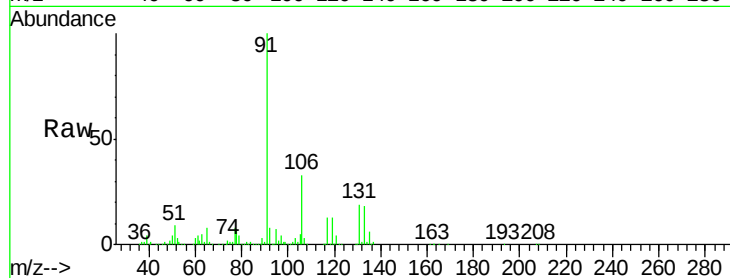
VY0512SBS01

Tgt Ion: 91 Resp: 347286

Ion Ratio Lower Upper

91 100

106 33.1 26.1 39.1



#68

m/p-Xylenes

Concen: 40.78 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VY002660.D

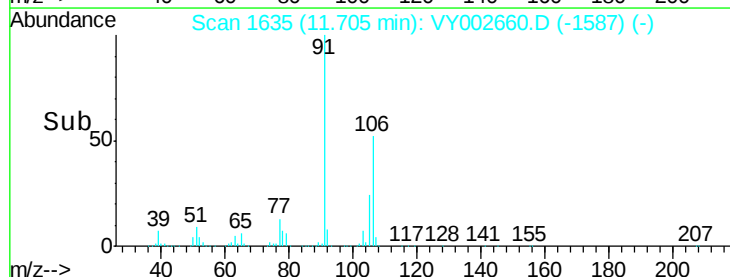
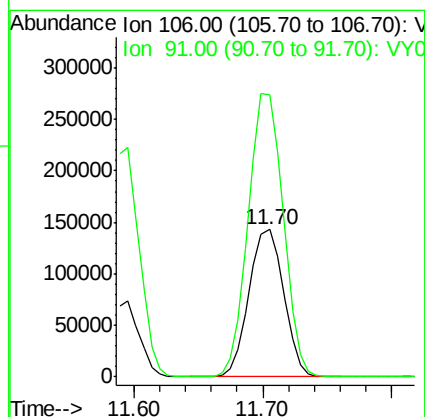
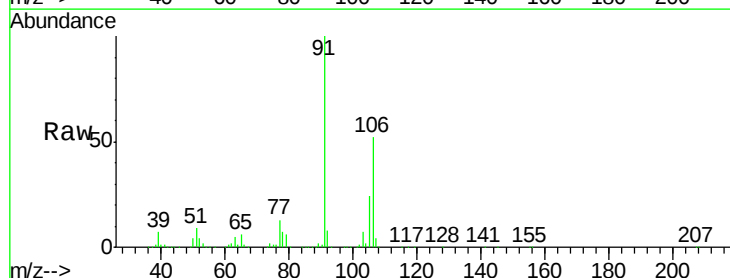
Acq: 12 May 2020 12:03

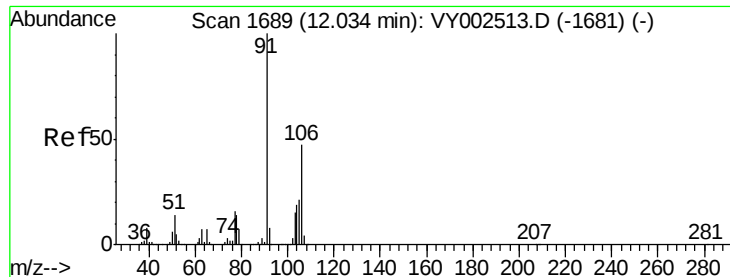
Tgt Ion: 106 Resp: 266488

Ion Ratio Lower Upper

106 100

91 194.1 155.2 232.8

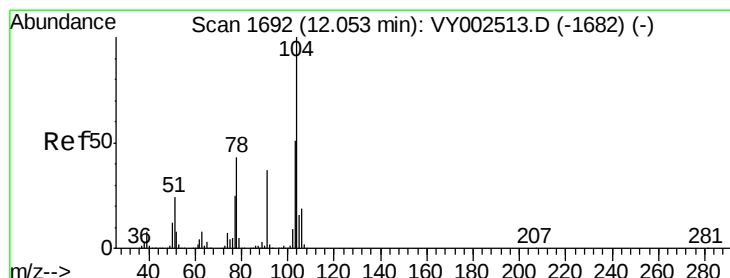
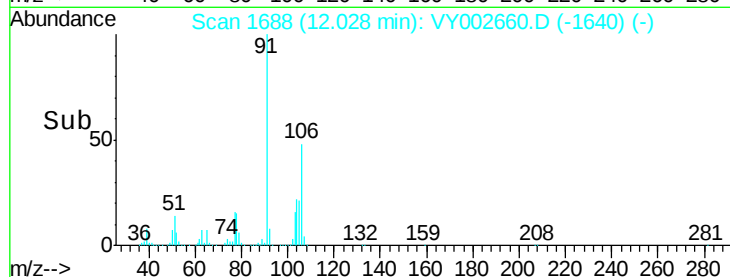
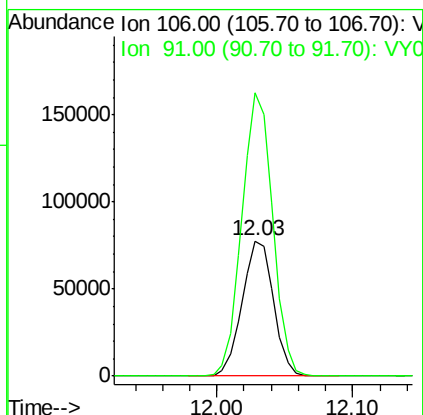
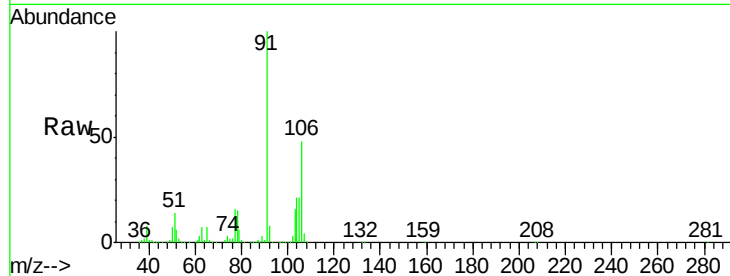




#69
o-Xylene
Concen: 20.39 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY002660.D
Acq: 12 May 2020 12:03

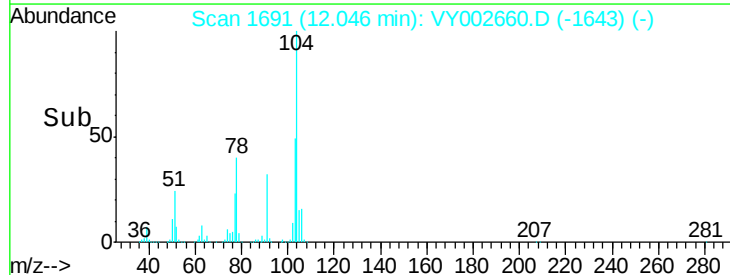
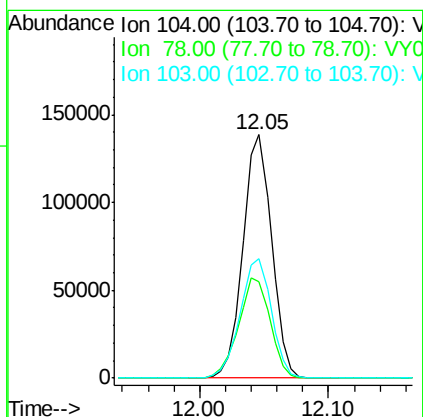
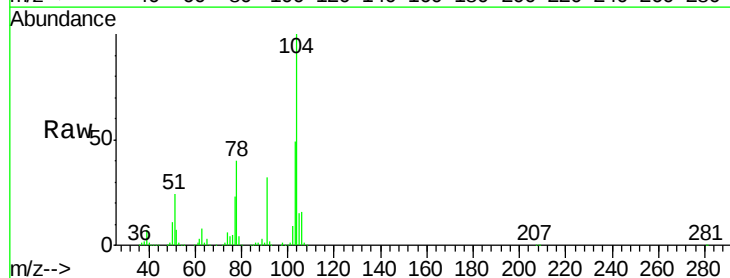
Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBS01

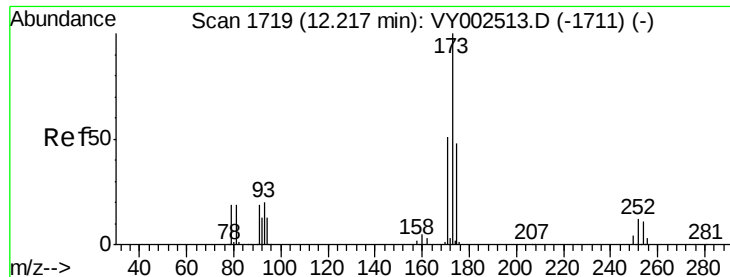
Tgt Ion:106 Resp: 124771
Ion Ratio Lower Upper
106 100
91 206.2 103.8 311.3



#70
Styrene
Concen: 20.35 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY002660.D
Acq: 12 May 2020 12:03

Tgt Ion:104 Resp: 212838
Ion Ratio Lower Upper
104 100
78 45.5 37.4 56.0
103 54.0 43.9 65.9

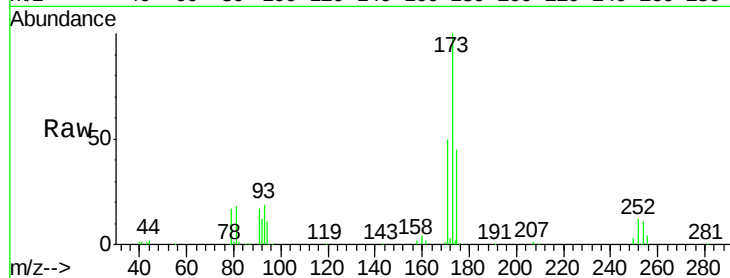




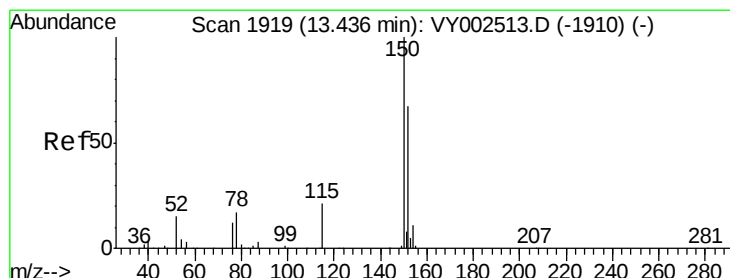
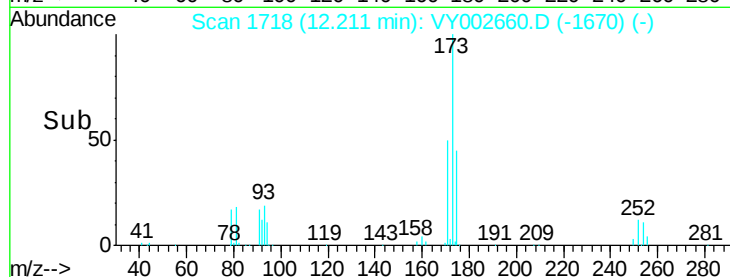
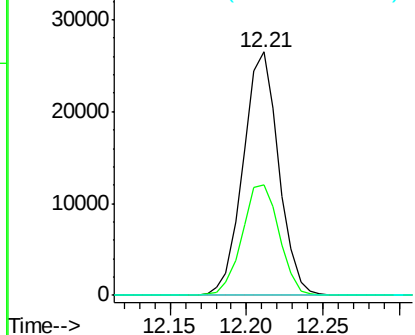
#71
Bromoform
Concen: 19.26 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. -0.01 min
Lab File: VY002660.D
Acq: 12 May 2020 12:03

Instrument :
MSVOA_Y
ClientSampleId :
VY0512SBS01

Tgt Ion:173 Resp: 42668
Ion Ratio Lower Upper
173 100
175 47.7 24.3 72.8
254 0.0 0.2 0.2#

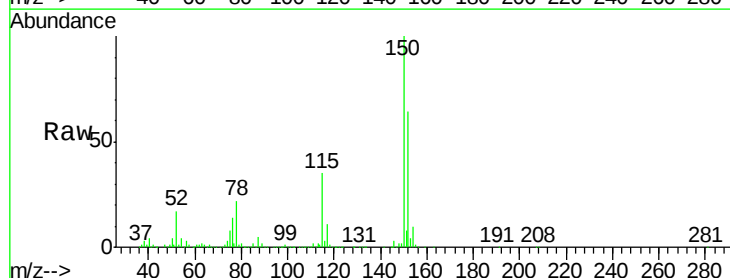


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

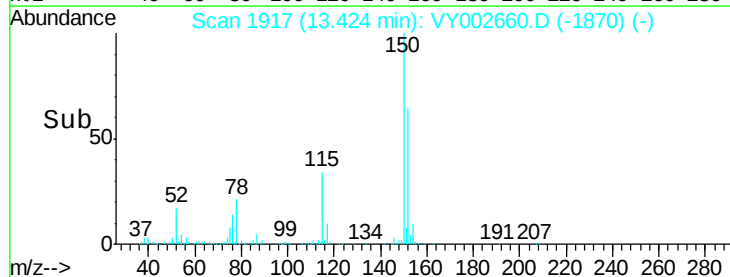
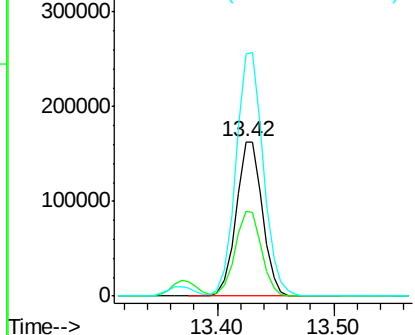


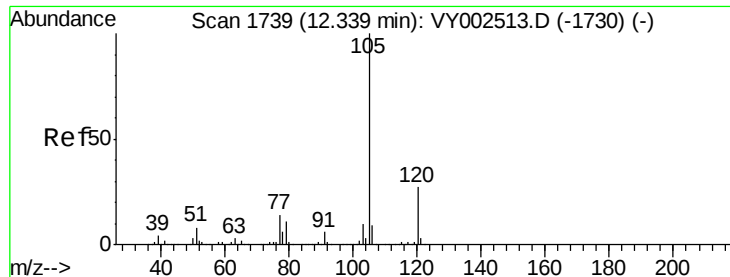
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY002660.D
Acq: 12 May 2020 12:03

Tgt Ion:152 Resp: 255875
Ion Ratio Lower Upper
152 100
115 54.6 27.5 82.4
150 164.0 0.0 346.4



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





#73

Isopropylbenzene

Concen: 21.05 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

Instrument :

MSVOA_Y

ClientSampleId :

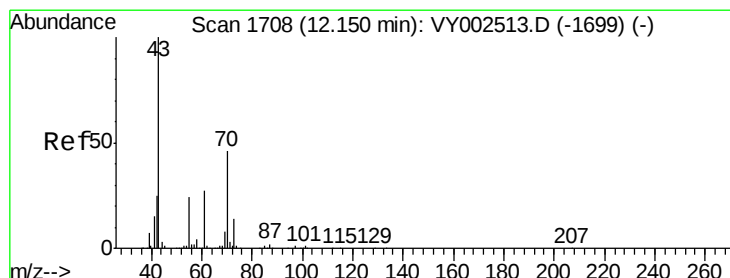
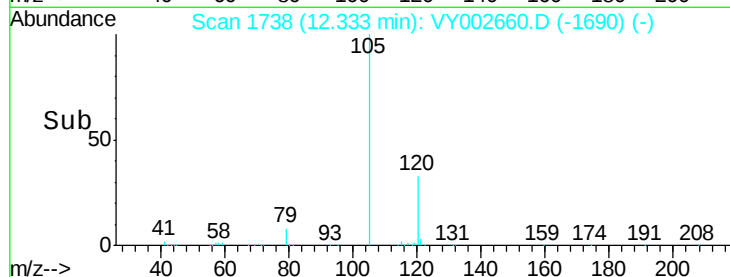
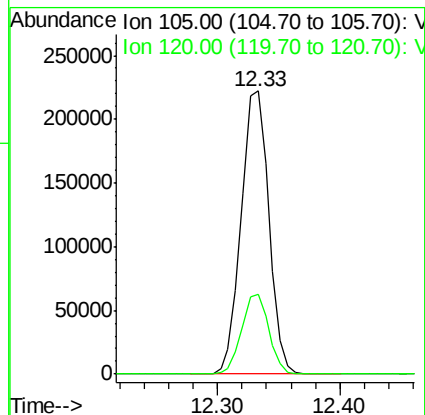
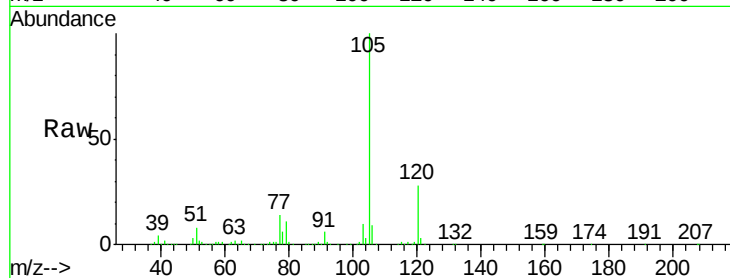
VY0512SBS01

Tgt Ion: 105 Resp: 349084

Ion Ratio Lower Upper

105 100

120 27.6 13.8 41.3



#74

N-ethyl acetate

Concen: 18.96 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

Tgt Ion: 43 Resp: 75630

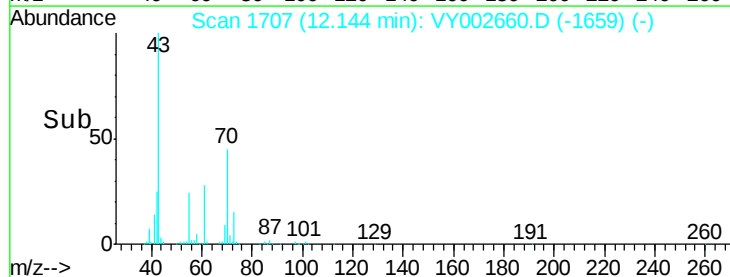
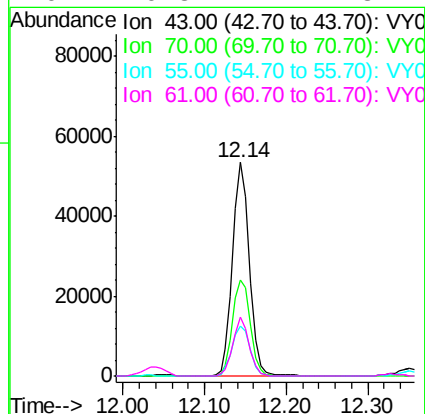
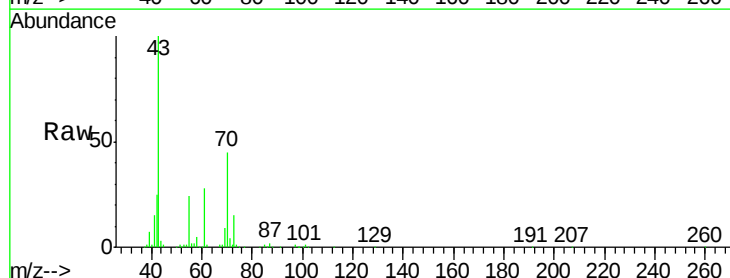
Ion Ratio Lower Upper

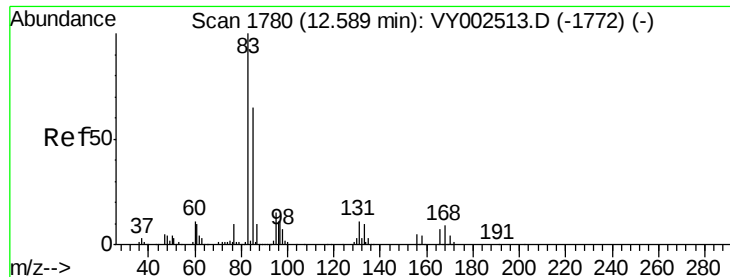
43 100

70 47.4 36.7 55.1

55 25.2 19.2 28.8

61 26.3 21.1 31.7





#75

1,1,2,2-Tetrachloroethane

Concen: 17.97 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

Instrument :

MSVOA_Y

ClientSampleId :

VY0512SBS01

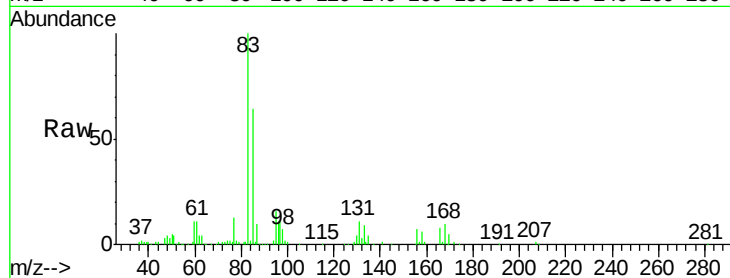
Tgt Ion: 83 Resp: 47383

Ion Ratio Lower Upper

83 100

131 11.8 5.9 17.8

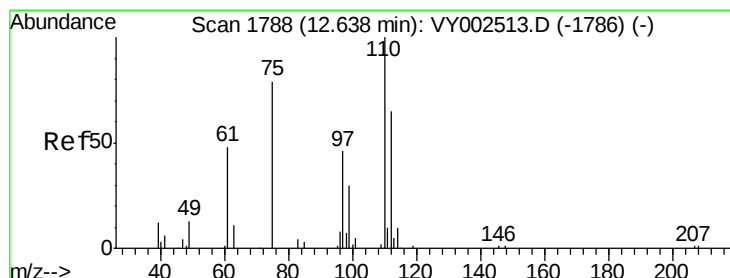
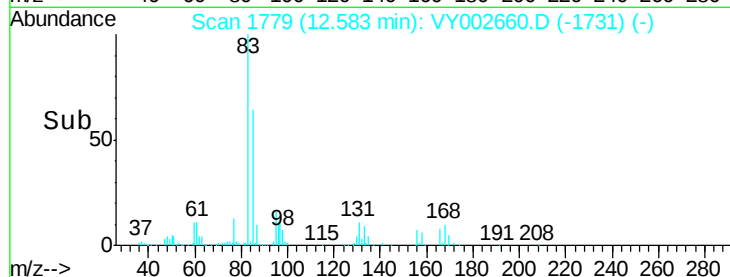
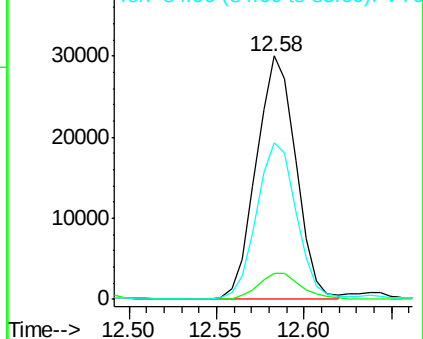
85 65.0 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 33.80 ug/l

RT: 12.64 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VY002660.D

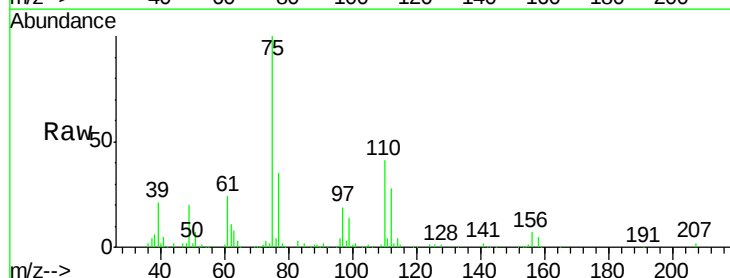
Acq: 12 May 2020 12:03

Tgt Ion: 75 Resp: 76855

Ion Ratio Lower Upper

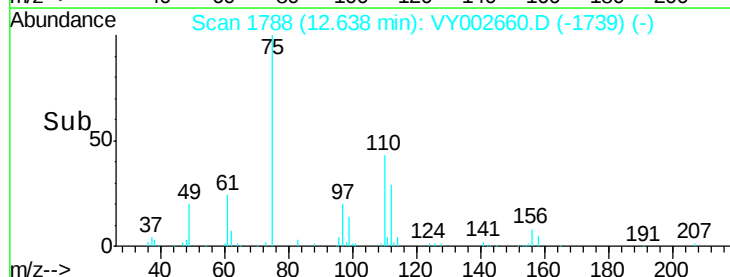
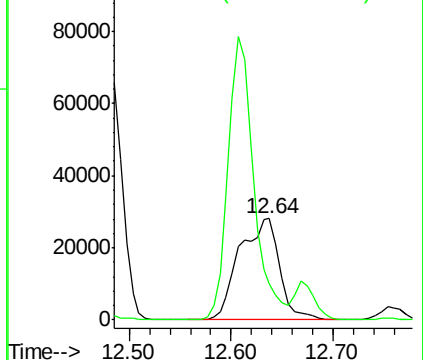
75 100

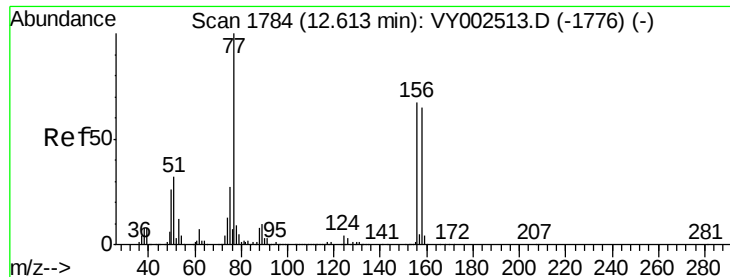
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 20.03 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

Instrument :

MSVOA_Y

ClientSampleId :

VY0512SBS01

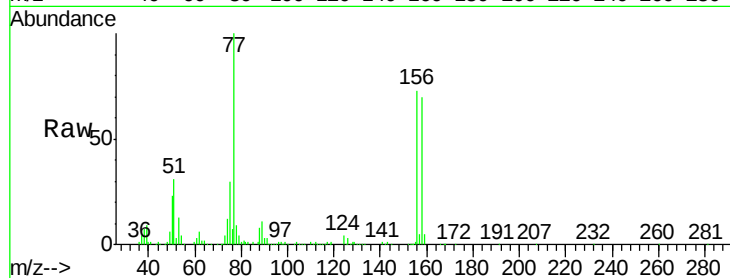
Tgt Ion:156 Resp: 82975

Ion Ratio Lower Upper

156 100

77 165.8 82.0 245.8

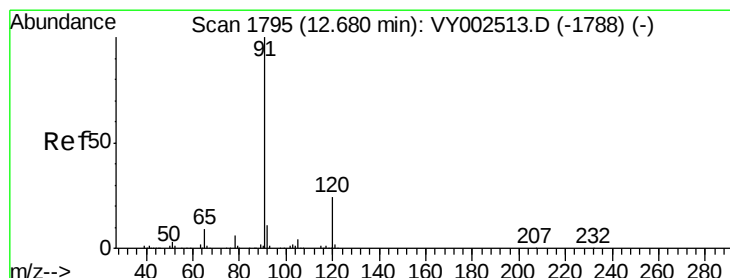
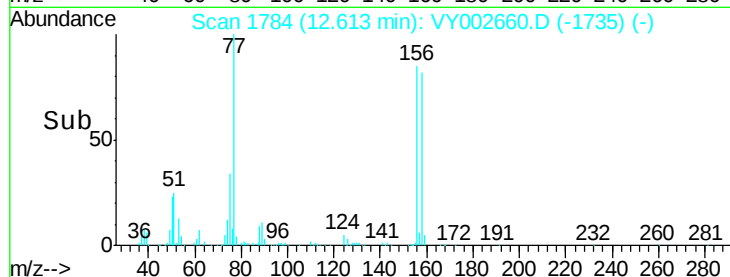
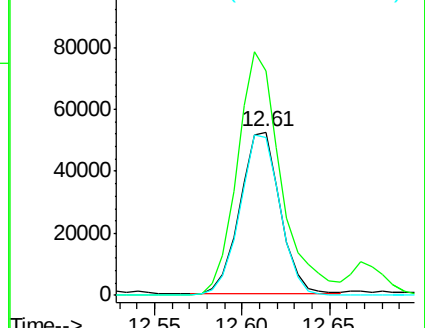
158 98.9 48.5 145.6



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: 21.00 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VY002660.D

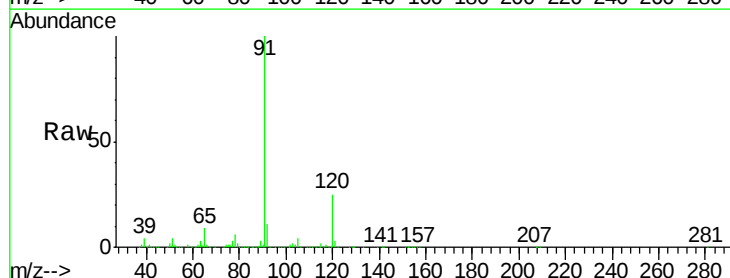
Acq: 12 May 2020 12:03

Tgt Ion: 91 Resp: 404090

Ion Ratio Lower Upper

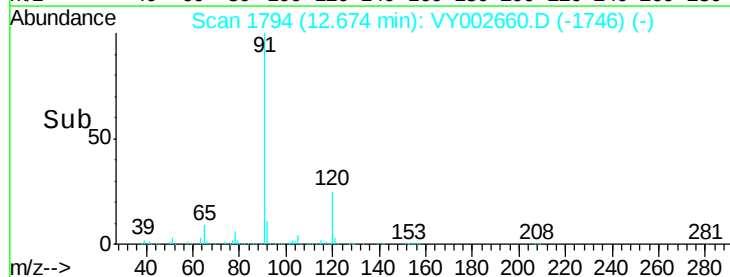
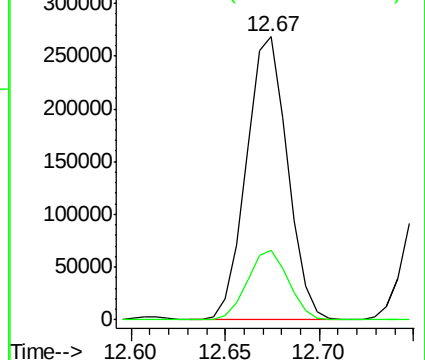
91 100

120 24.7 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.71 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

Instrument :

MSVOA_Y

ClientSampleId :

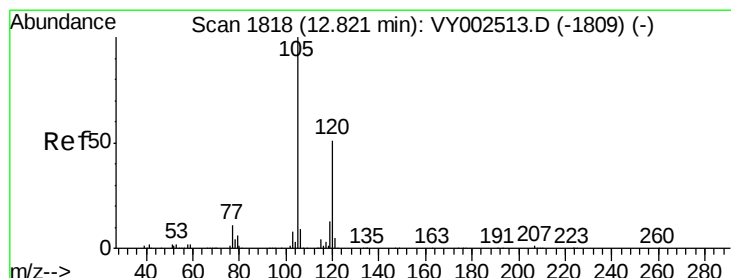
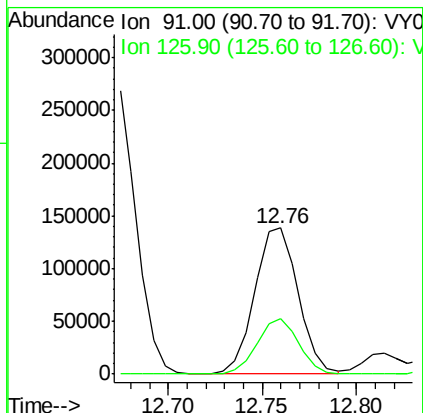
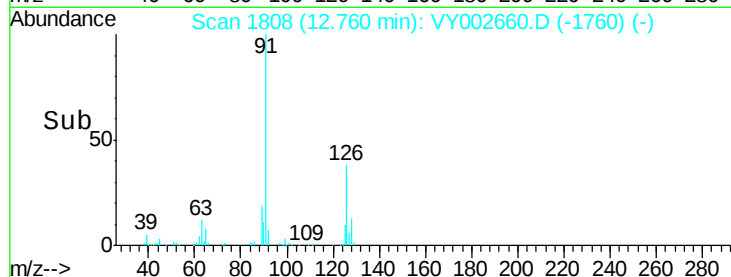
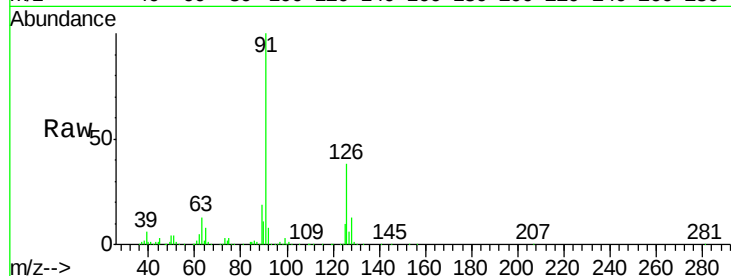
VY0512SBS01

Tgt Ion: 91 Resp: 220818

Ion Ratio Lower Upper

91 100

126 36.8 18.4 55.2



#80

1,3,5-Trimethylbenzene

Concen: 21.08 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY002660.D

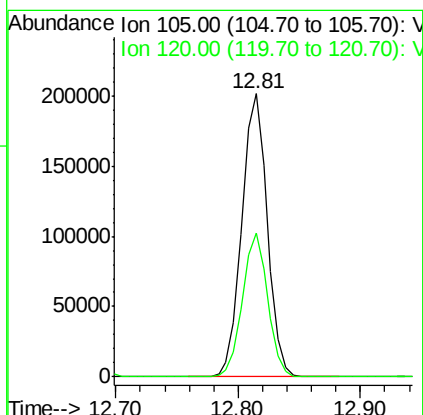
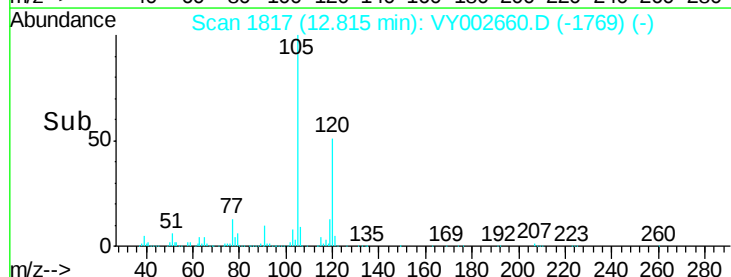
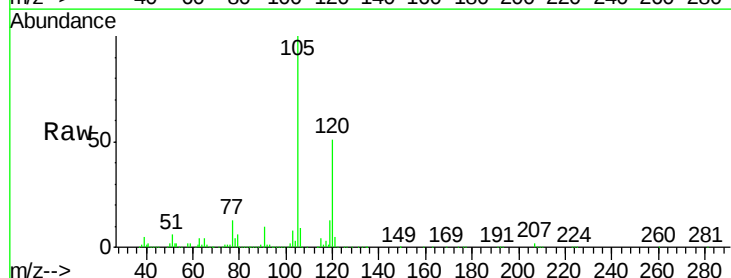
Acq: 12 May 2020 12:03

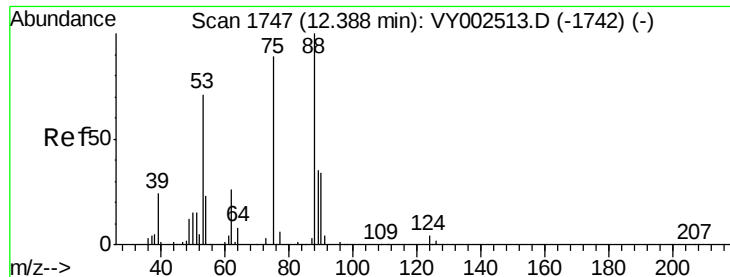
Tgt Ion: 105 Resp: 289719

Ion Ratio Lower Upper

105 100

120 50.3 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 17.99 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

Instrument :

MSVOA_Y

ClientSampleId :

VY0512SBS01

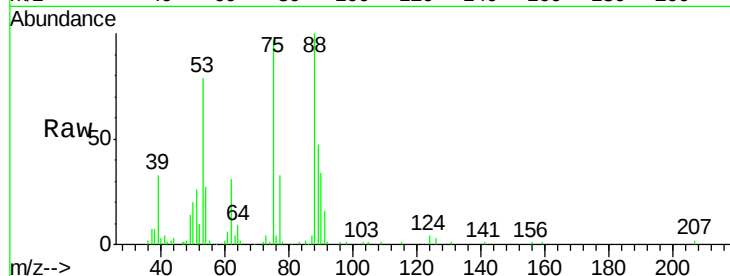
Tgt Ion: 75 Resp: 20403

Ion Ratio Lower Upper

75 100

53 80.9 67.4 101.0

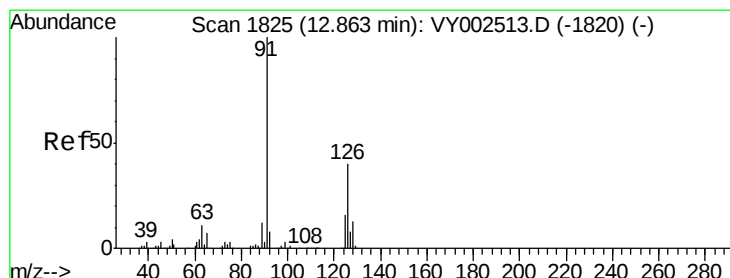
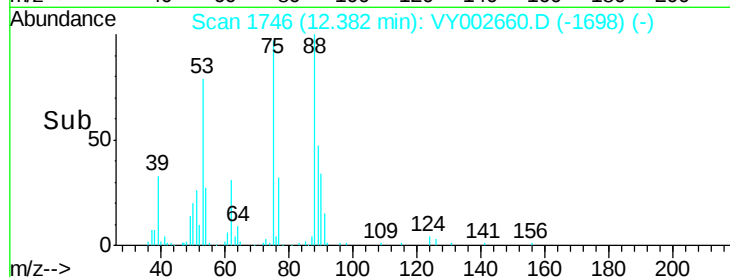
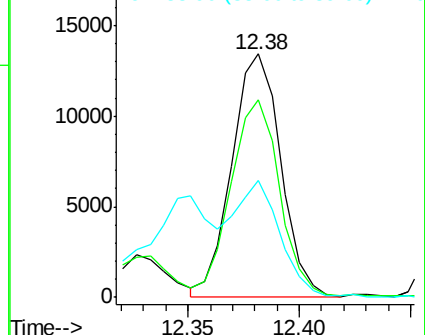
89 46.2 37.4 56.0



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: 20.60 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VY002660.D

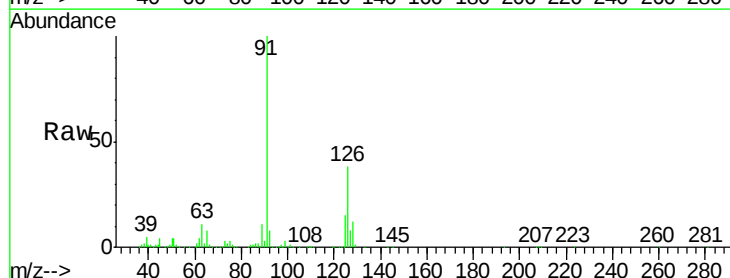
Acq: 12 May 2020 12:03

Tgt Ion: 91 Resp: 230688

Ion Ratio Lower Upper

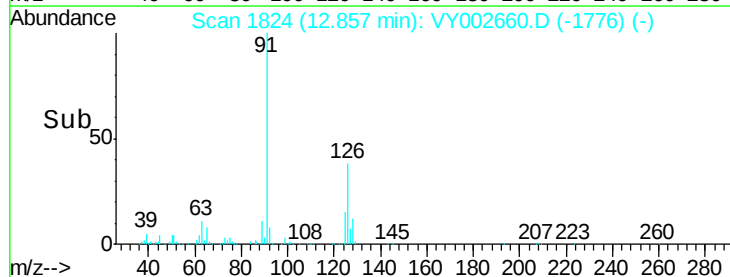
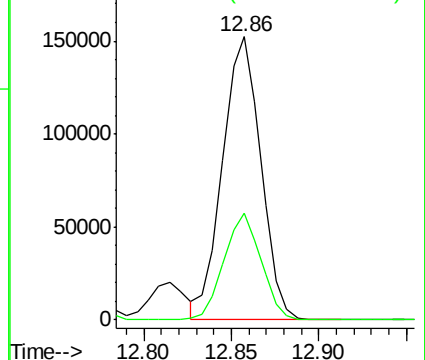
91 100

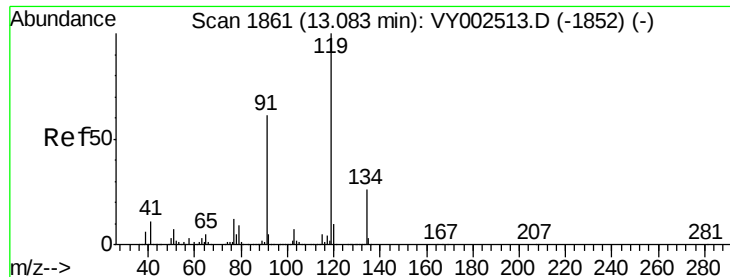
126 36.8 18.5 55.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

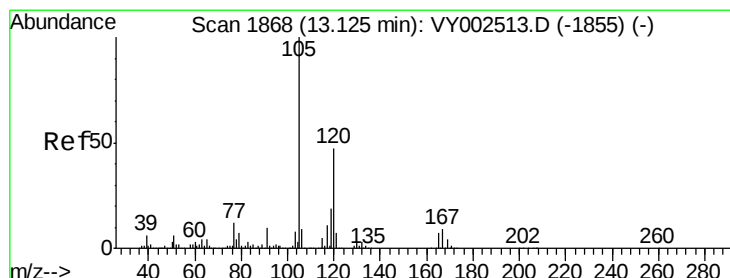
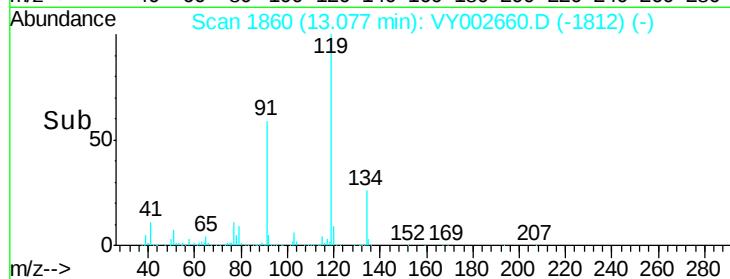
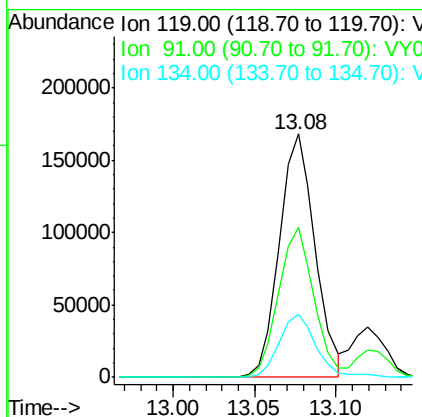
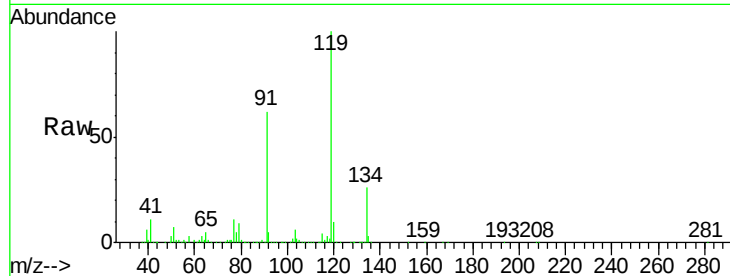




#83
 tert-Butylbenzene
 Concen: 21.21 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: VY002660.D
 Acq: 12 May 2020 12:03

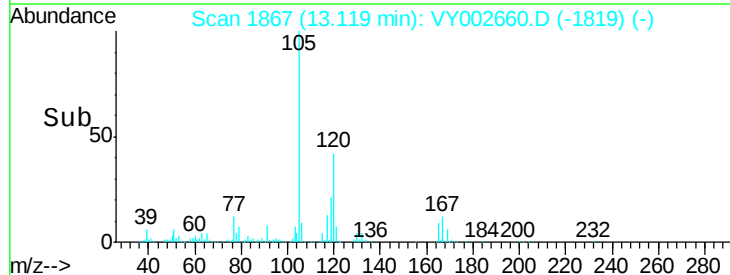
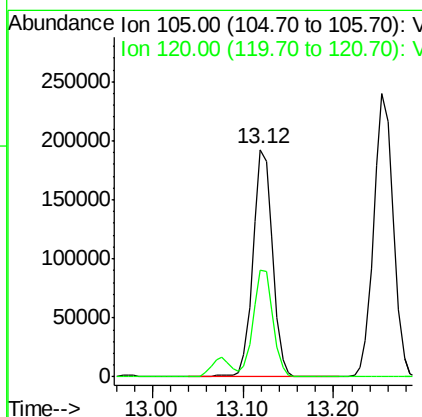
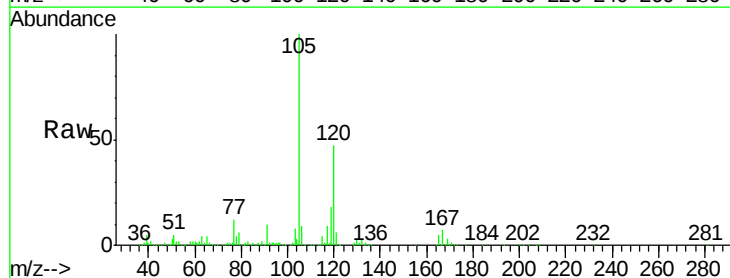
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0512SBS01

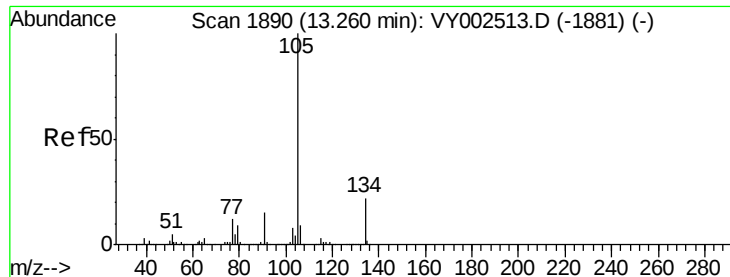
Tgt Ion:119 Resp: 255630
 Ion Ratio Lower Upper
 119 100
 91 60.9 30.6 91.6
 134 26.8 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.93 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.01 min
 Lab File: VY002660.D
 Acq: 12 May 2020 12:03

Tgt Ion:105 Resp: 286744
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.4 70.3

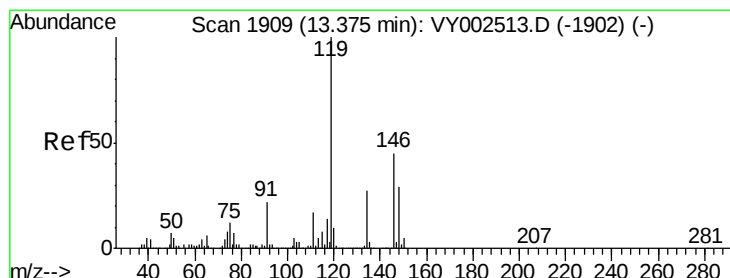
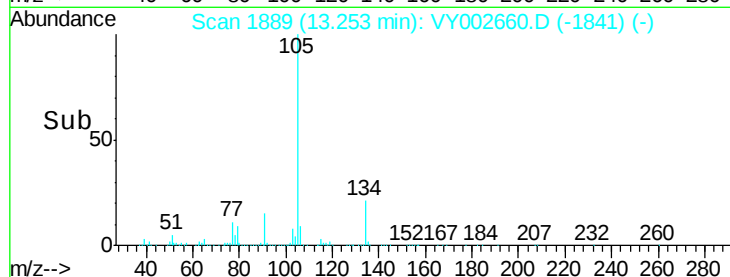
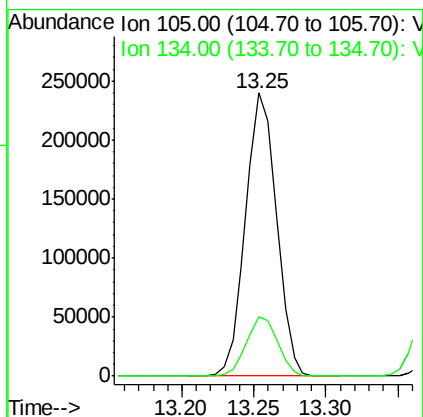
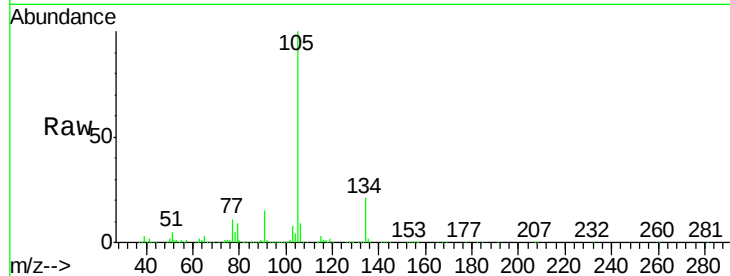




#85
 sec-Butylbenzene
 Concen: 21.39 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: VY002660.D
 Acq: 12 May 2020 12:03

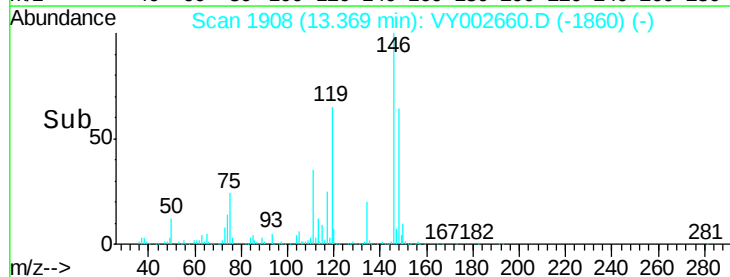
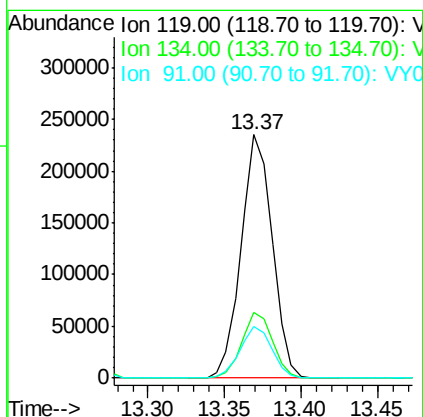
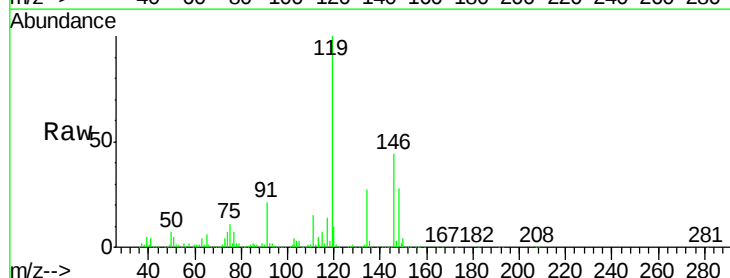
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0512SBS01

Tgt Ion:105 Resp: 357775
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.8 32.3



#86
 p-Isopropyltoluene
 Concen: 21.22 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY002660.D
 Acq: 12 May 2020 12:03

Tgt Ion:119 Resp: 332496
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.5 40.5
 91 21.7 10.9 32.9

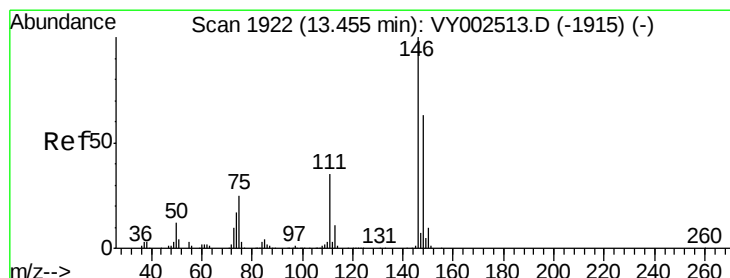
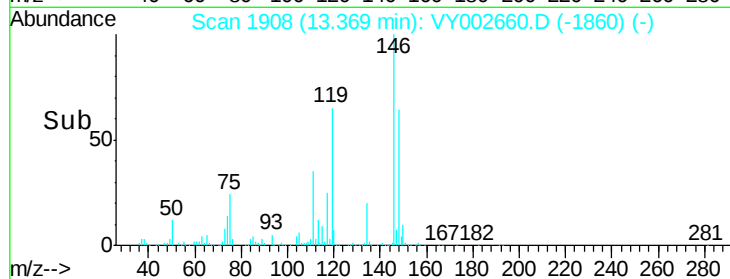
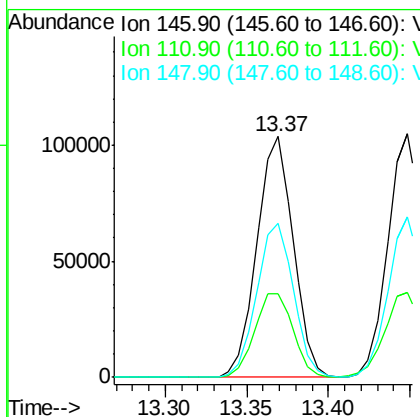
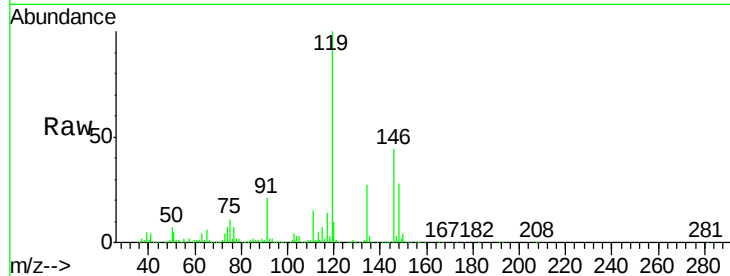




#87
 1,3-Dichlorobenzene
 Concen: 20.55 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY002660.D
 Acq: 12 May 2020 12:03

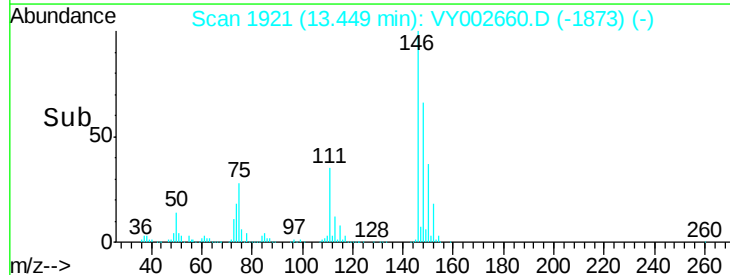
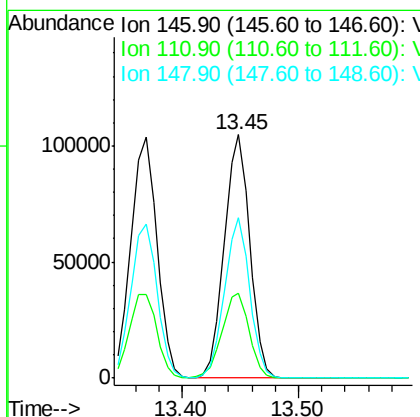
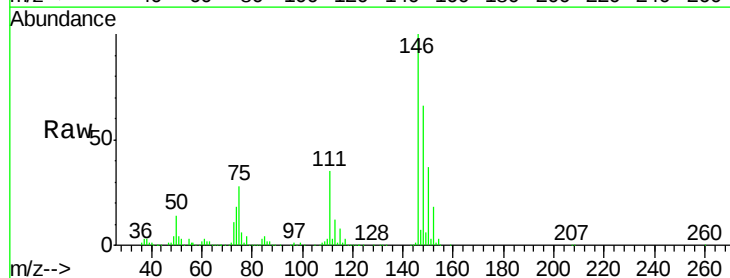
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0512SBS01

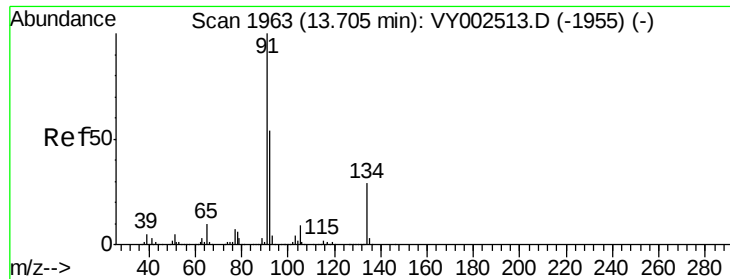
Tgt Ion:146 Resp: 161170
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.8 56.3
 148 64.4 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 20.46 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY002660.D
 Acq: 12 May 2020 12:03

Tgt Ion:146 Resp: 158904
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.1 54.1
 148 65.0 31.9 95.5





#89

n-Butylbenzene

Concen: 21.23 ug/l

RT: 13.70 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

Instrument :

MSVOA_Y

ClientSampleId :

VY0512SBS01

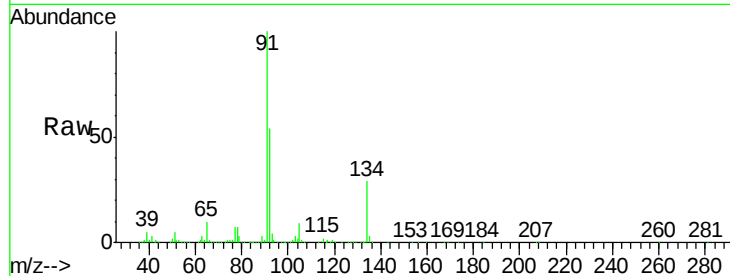
Tgt Ion: 91 Resp: 302874

Ion Ratio Lower Upper

91 100

92 54.1 27.1 81.3

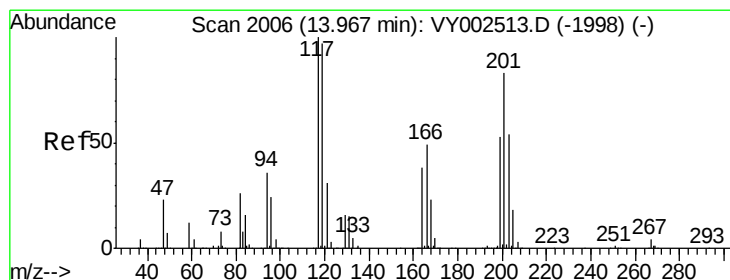
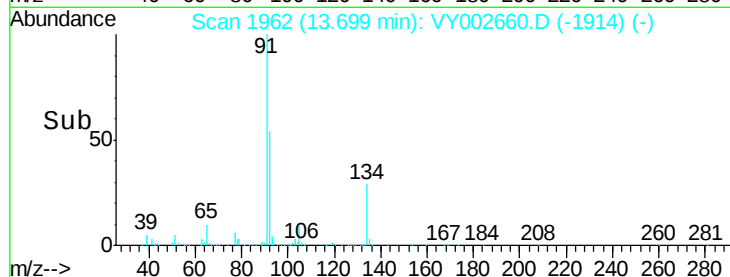
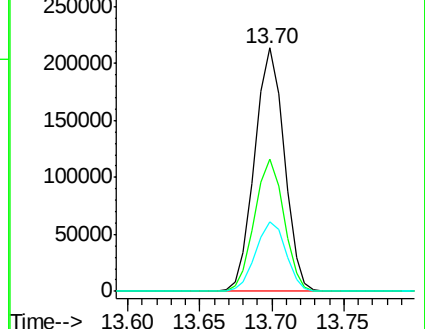
134 29.2 14.4 43.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 21.70 ug/l

RT: 13.96 min Scan# 2005

Delta R.T. -0.01 min

Lab File: VY002660.D

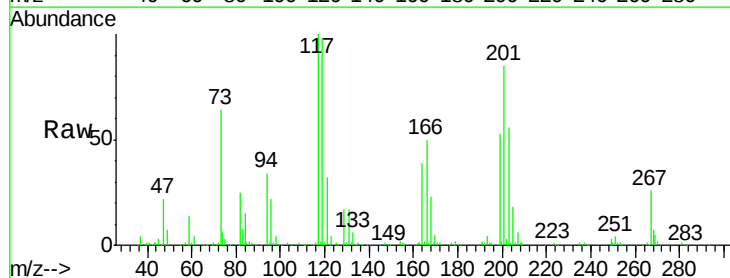
Acq: 12 May 2020 12:03

Tgt Ion: 117 Resp: 61925

Ion Ratio Lower Upper

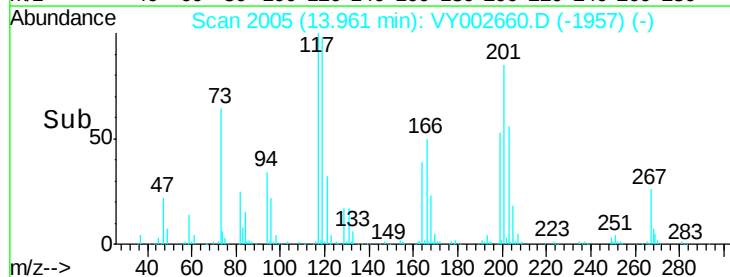
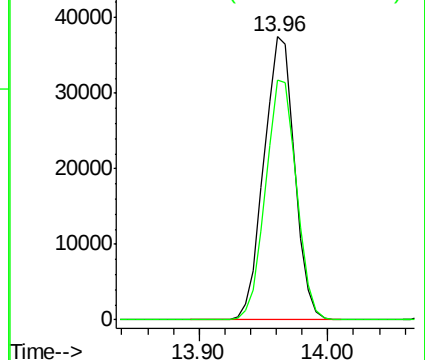
117 100

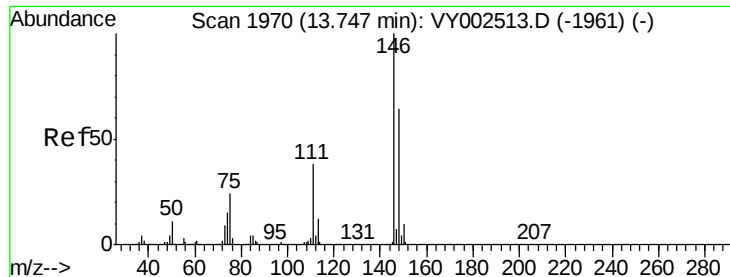
201 85.6 44.4 133.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

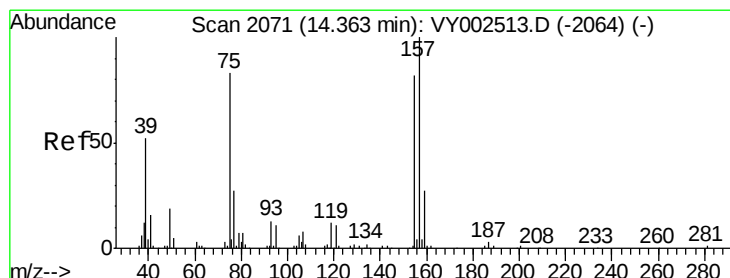
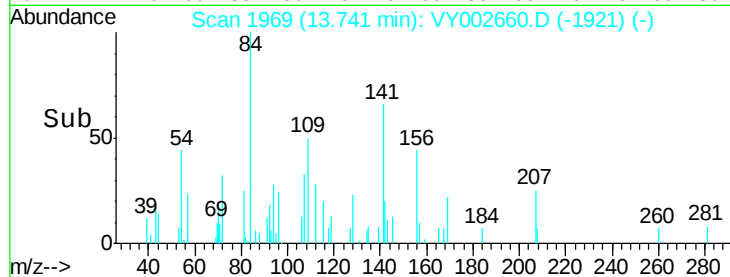
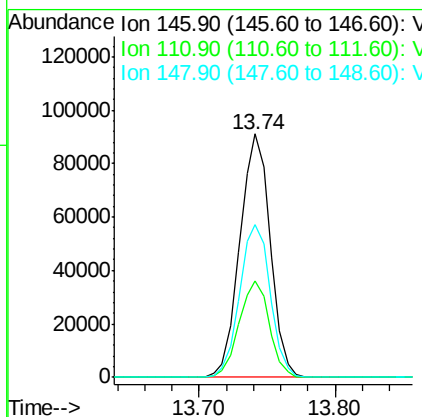
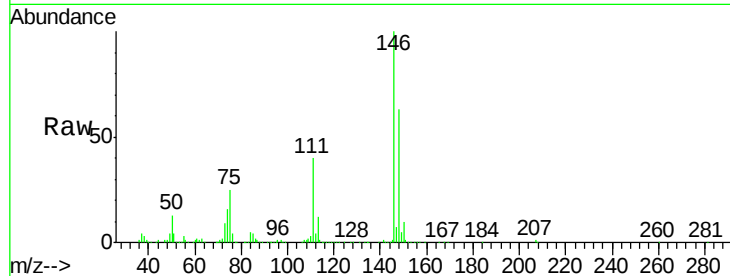




#91
 1,2-Dichlorobenzene
 Concen: 20.28 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VY002660.D
 Acq: 12 May 2020 12:03

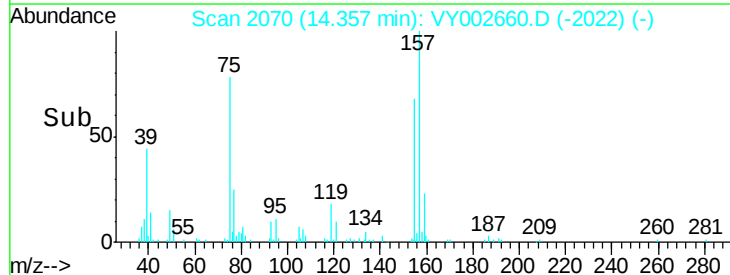
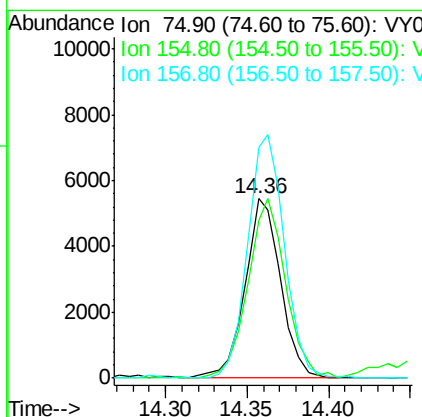
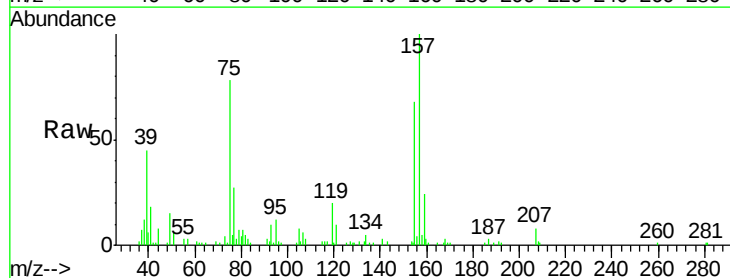
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0512SBS01

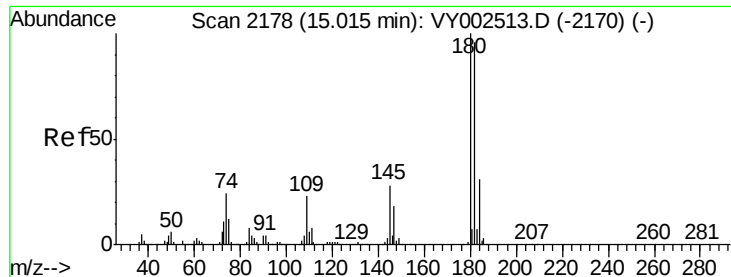
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.1	57.5
148	63.6	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.80 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: VY002660.D
 Acq: 12 May 2020 12:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.9	51.3	153.9
157	140.5	65.0	195.0

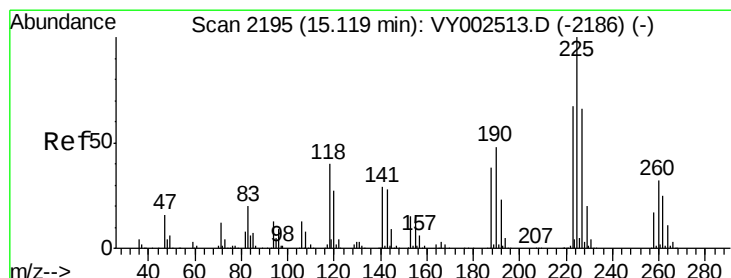
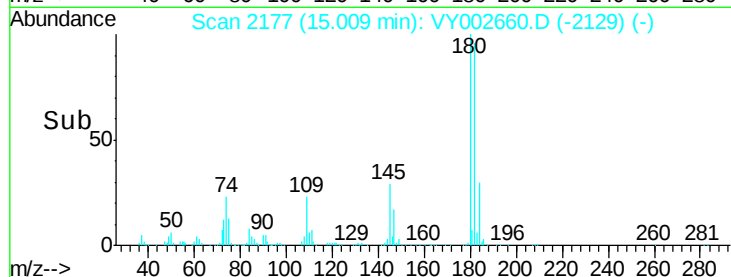
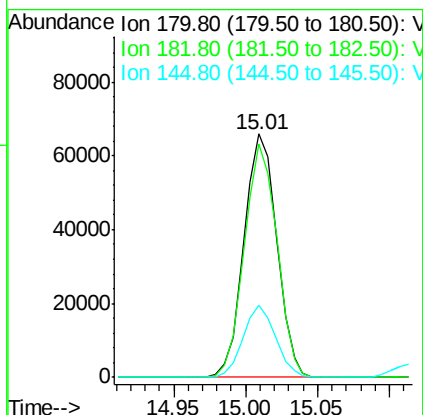
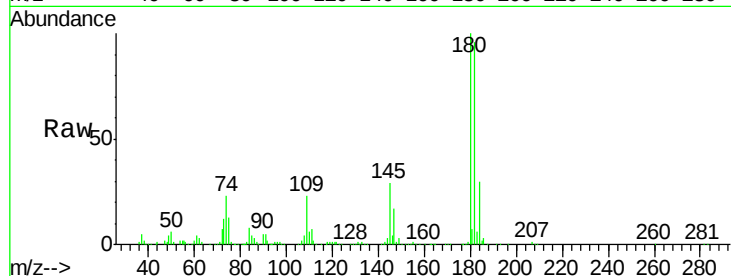




#93
 1,2,4-Trichlorobenzene
 Concen: 20.42 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: VY002660.D
 Acq: 12 May 2020 12:03

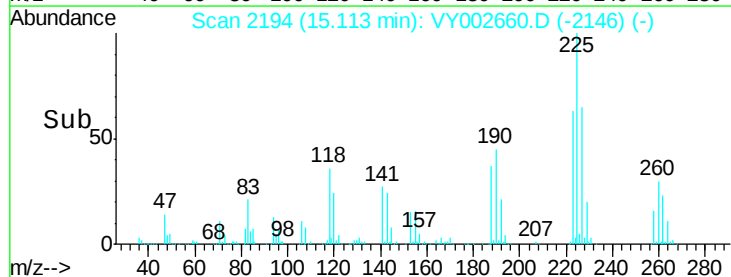
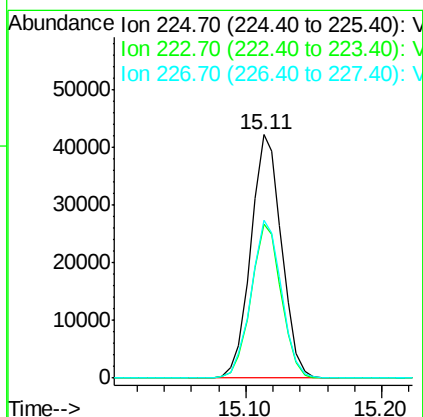
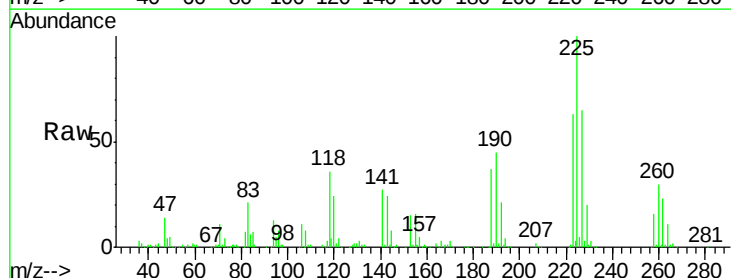
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0512SBS01

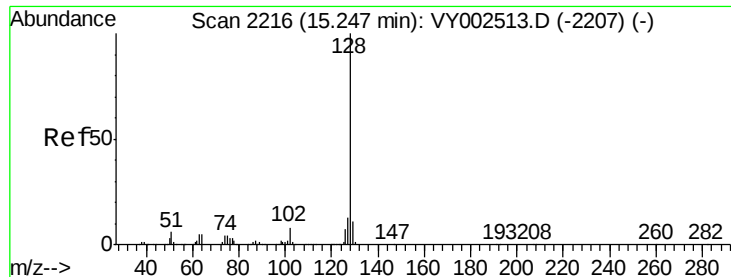
Tgt Ion:180 Resp: 103716
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.9 143.6
 145 29.2 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 21.84 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.01 min
 Lab File: VY002660.D
 Acq: 12 May 2020 12:03

Tgt Ion:225 Resp: 66582
 Ion Ratio Lower Upper
 225 100
 223 62.0 32.1 96.5
 227 64.2 32.0 96.2





#95

Naphthalene

Concen: 19.02 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

Instrument :

MSVOA_Y

ClientSampleId :

VY0512SBS01

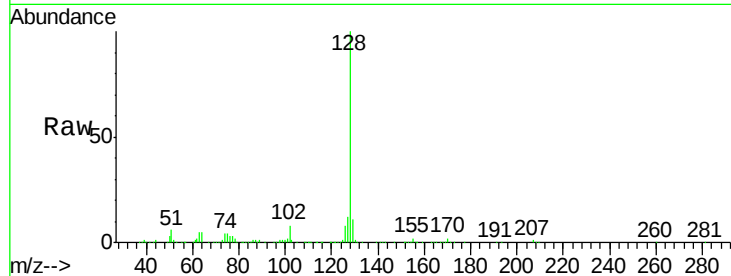
Tgt Ion:128 Resp: 176238

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

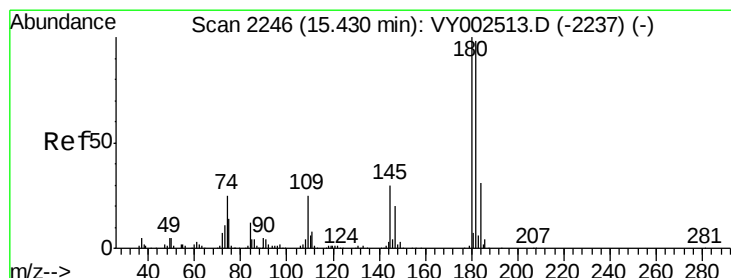
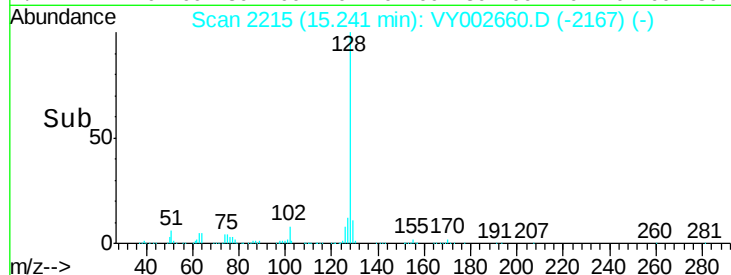
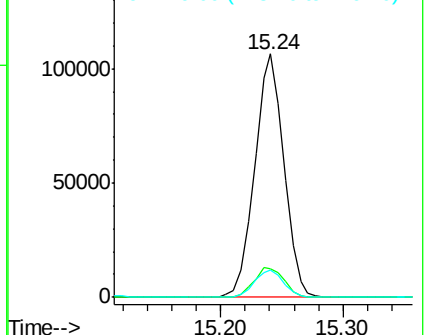
129 11.6 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.13 ug/l

RT: 15.43 min Scan# 2246

Delta R.T. -0.00 min

Lab File: VY002660.D

Acq: 12 May 2020 12:03

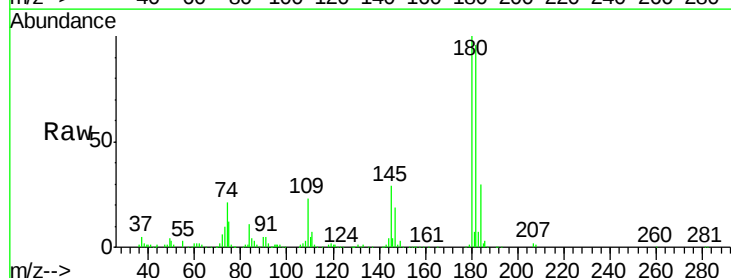
Tgt Ion:180 Resp: 86831

Ion Ratio Lower Upper

180 100

182 94.5 47.9 143.8

145 30.7 15.0 45.1



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

