

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002557.D
 Acq On : 04 May 2020 22:38
 Operator : SY/MD
 Sample : VY0504SBS02
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS02

Quant Time: May 05 07:14:34 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	7.82	168	380813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	594215	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	538272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	270330	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	170464	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	
35) Dibromofluoromethane	7.74	113	176988	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
50) Toluene-d8	10.19	98	681515	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
62) 4-Bromofluorobenzene	12.49	95	231675	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	46221	15.949	ug/l	97
3) Chloromethane	2.13	50	58262	18.884	ug/l	98
4) Vinyl Chloride	2.26	62	68522	19.234	ug/l	100
5) Bromomethane	2.65	94	49561	20.173	ug/l	94
6) Chloroethane	2.80	64	42538	19.997	ug/l	97
7) Trichlorofluoromethane	3.15	101	106558	19.299	ug/l	99
8) Diethyl Ether	3.55	74	40834	22.007	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	65911	19.532	ug/l	98
10) Methyl Iodide	4.11	142	92262	20.068	ug/l	98
11) Tert butyl alcohol	5.00	59	37901	115.052	ug/l	96
12) 1,1-Dichloroethene	3.90	96	66147	20.178	ug/l	98
13) Acrolein	3.76	56	18637	81.814	ug/l	95
14) Allyl chloride	4.51	41	101794	21.312	ug/l	99
15) Acrylonitrile	5.21	53	96519	110.307	ug/l	99
16) Acetone	3.97	43	71244	107.813	ug/l	99
17) Carbon Disulfide	4.22	76	182581	18.513	ug/l	100
18) Methyl Acetate	4.51	43	49924	22.611	ug/l	99
19) Methyl tert-butyl Ether	5.25	73	188307	22.017	ug/l	99
20) Methylene Chloride	4.75	84	83789	22.674	ug/l	99
21) trans-1,2-Dichloroethene	5.25	96	74458	20.781	ug/l	96
22) Diisopropyl ether	6.15	45	223007	23.075	ug/l	99
23) Vinyl Acetate	6.10	43	674415	110.960	ug/l	99
24) 1,1-Dichloroethane	6.05	63	126093	22.054	ug/l	99
25) 2-Butanone	7.02	43	120457	111.358	ug/l	98
26) 2,2-Dichloropropane	7.01	77	103002	18.953	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	85360	21.531	ug/l	99
28) Bromochloromethane	7.36	49	50777	21.676	ug/l	98
29) Tetrahydrofuran	7.38	42	79966	111.735	ug/l	99
30) Chloroform	7.54	83	129211	21.735	ug/l	95
31) Cyclohexane	7.81	56	110839	19.259	ug/l	96
32) 1,1,1-Trichloroethane	7.73	97	112924	20.436	ug/l	99
36) 1,1-Dichloropropene	7.94	75	98129	19.699	ug/l	99
37) Ethyl Acetate	7.11	43	54701	21.369	ug/l	98
38) Carbon Tetrachloride	7.93	117	103503	19.032	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	121969	18.538	ug/l	98
40) Benzene	8.19	78	293415	20.394	ug/l	99
41) Methacrylonitrile	7.38	41	74030	53.788	ug/l #	1
42) 1,2-Dichloroethane	8.26	62	81973	20.312	ug/l	98
43) Isopropyl Acetate	8.29	43	103339	21.534	ug/l	99
44) Trichloroethene	8.96	130	92717	20.621	ug/l	99
45) 1,2-Dichloropropane	9.24	63	73705	21.227	ug/l	98
46) Dibromomethane	9.33	93	41631	20.838	ug/l	98
47) Bromodichloromethane	9.52	83	100934	20.778	ug/l	96
48) Methyl methacrylate	9.31	41	45484	20.943	ug/l	99
49) 1,4-Dioxane	9.32	88	11658	440.727	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	267970	108.335	ug/l	100
52) Toluene	10.26	92	188607	20.398	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	103520	20.339	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	119348	20.284	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	61414	21.080	ug/l	99
56) Ethyl methacrylate	10.52	69	82635	21.321	ug/l	98
57) 1,3-Dichloropropane	10.80	76	103385	20.925	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.80	63	209574	102.538	ug/l	99
59) 2-Hexanone	10.85	43	184326	108.271	ug/l	100
60) Dibromochloromethane	11.00	129	78092	21.075	ug/l	98
61) 1,2-Dibromoethane	11.10	107	60261	20.890	ug/l	100
64) Tetrachloroethene	10.74	164	101308	21.183	ug/l	98
65) Chlorobenzene	11.53	112	210812	20.602	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	80728	21.253	ug/l	98
67) Ethyl Benzene	11.60	91	364458	20.277	ug/l	99
68) m/p-Xylenes	11.71	106	275992	39.685	ug/l	98
69) o-Xylene	12.04	106	131496	20.194	ug/l	98
70) Styrene	12.05	104	230935	20.745	ug/l	99
71) Bromoform	12.22	173	49905	21.168	ug/l #	99
73) Isopropylbenzene	12.34	105	361128	20.612	ug/l	100
74) N-amyl acetate	12.16	43	93233	22.122	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.60	83	56591	20.310	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	90318	37.596	ug/l #	100
77) Bromobenzene	12.62	156	92405	21.111	ug/l	98
78) n-propylbenzene	12.68	91	414265	20.375	ug/l	99
79) 2-Chlorotoluene	12.77	91	236706	21.018	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	300802	20.713	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	23456	19.578	ug/l	99
82) 4-Chlorotoluene	12.86	91	243251	20.562	ug/l	100
83) tert-Butylbenzene	13.08	119	269250	21.144	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	302202	20.880	ug/l	99
85) sec-Butylbenzene	13.27	105	364437	20.625	ug/l	99
86) p-Isopropyltoluene	13.38	119	339494	20.505	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	171347	20.683	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	172027	20.970	ug/l	99
89) n-Butylbenzene	13.70	91	304391	20.196	ug/l	100
90) Hexachloroethane	13.97	117	64745	21.474	ug/l	97
91) 1,2-Dichlorobenzene	13.75	146	156794	21.210	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10870	20.928	ug/l	98

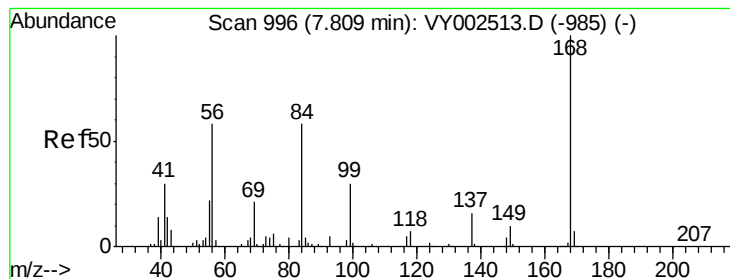
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	108336	20.186	ug/l	100
94) Hexachlorobutadiene	15.12	225	66710	20.708	ug/l	99
95) Naphthalene	15.25	128	208855	21.332	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	94749	20.796	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

Instrument :

MSVOA_Y

ClientSampleId :

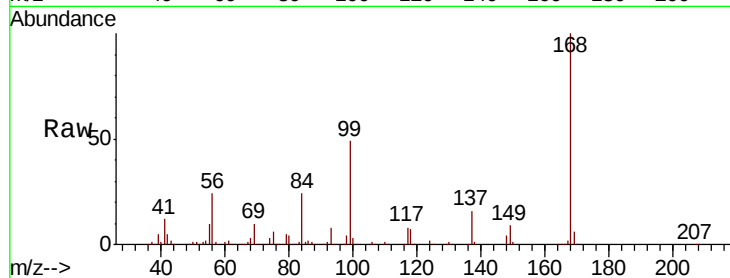
VY0504SBS02

Tot Ion:168 Resp: 380813

Ion Ratio Lower Upper

168 100

99 48.7 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) (-)

7.82

150000

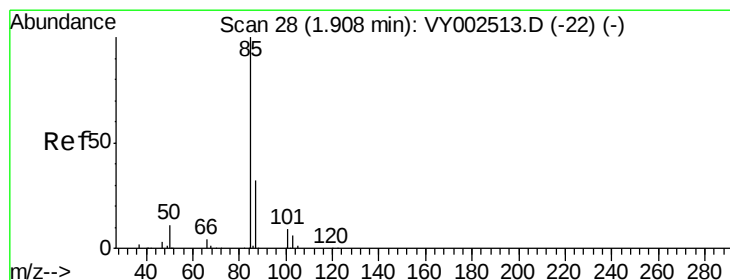
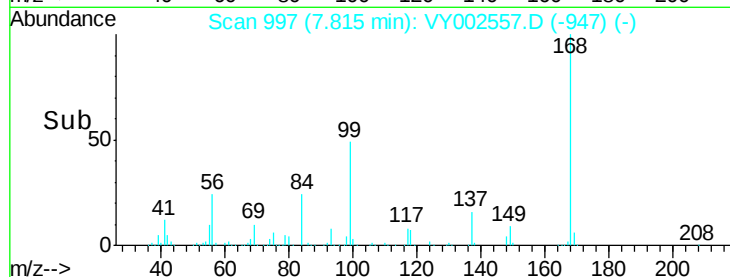
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 15.949 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002557.D

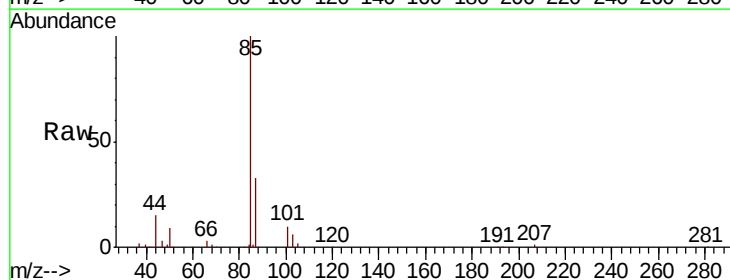
Acq: 04 May 2020 22:38

Tgt Ion: 85 Resp: 46221

Ion Ratio Lower Upper

85 100

87 33.4 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

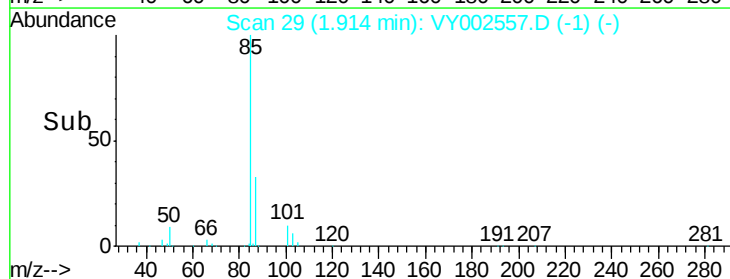
20000

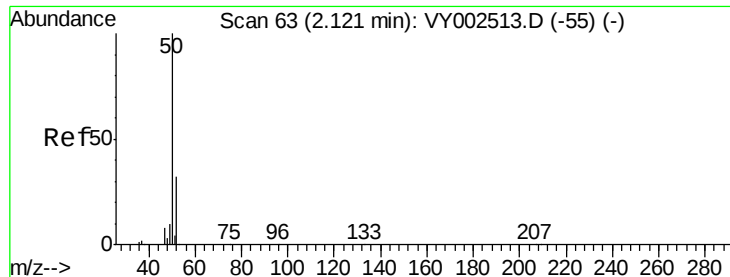
10000

0

1.90 2.00

Time-->





#3

Chloromethane

Concen: 18.884 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.01 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

Instrument :

MSVOA_Y

ClientSampleId :

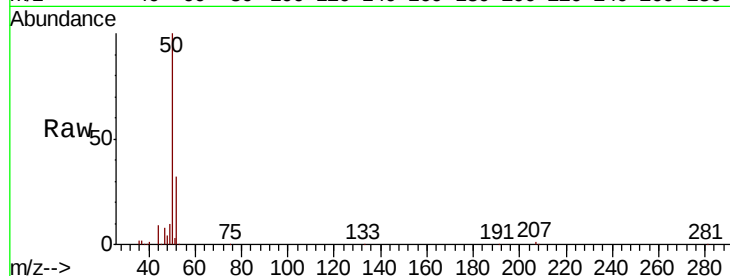
VY0504SBS02

Tot Ion: 50 Resp: 58262

Ion Ratio Lower Upper

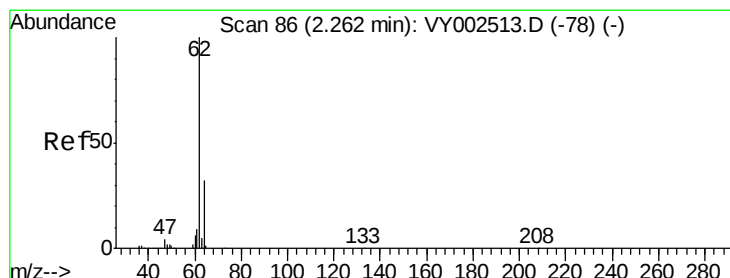
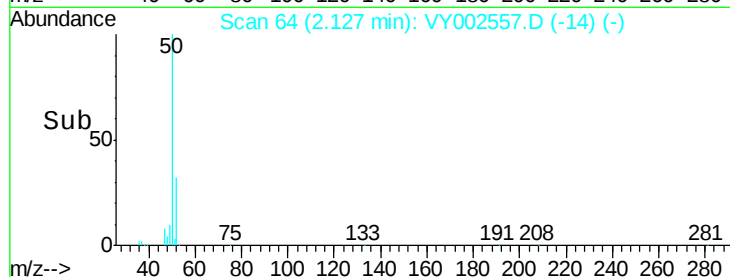
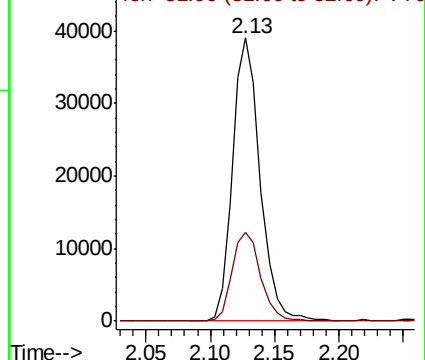
50 100

52 31.5 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: 19.234 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY002557.D

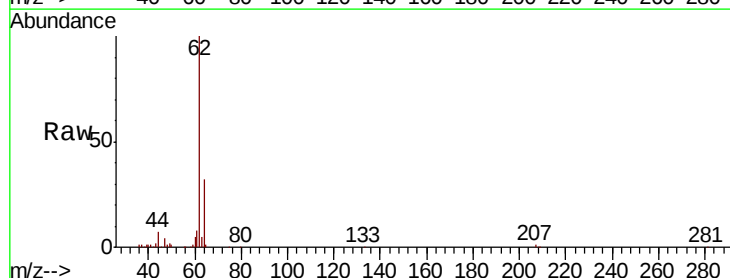
Acq: 04 May 2020 22:38

Tgt Ion: 62 Resp: 68522

Ion Ratio Lower Upper

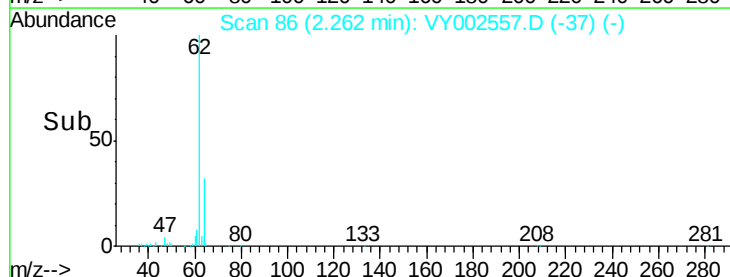
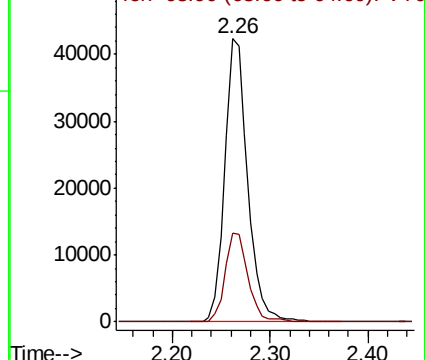
62 100

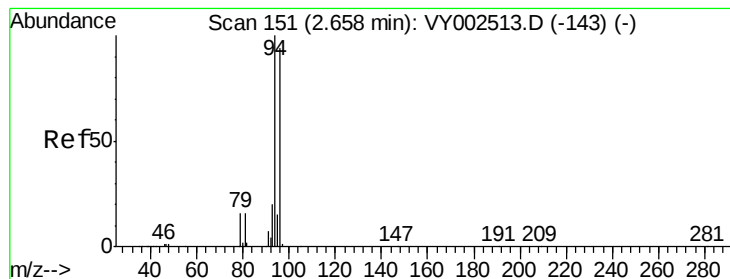
64 31.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 20.173 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

Instrument :

MSVOA_Y

ClientSampleId :

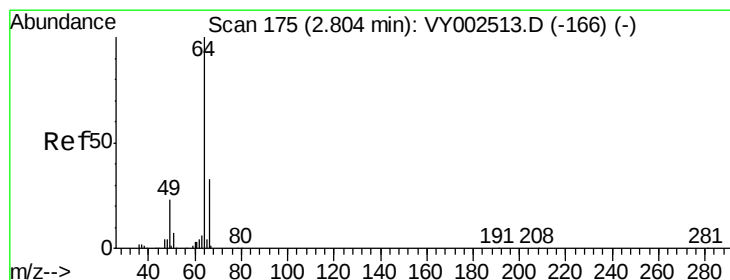
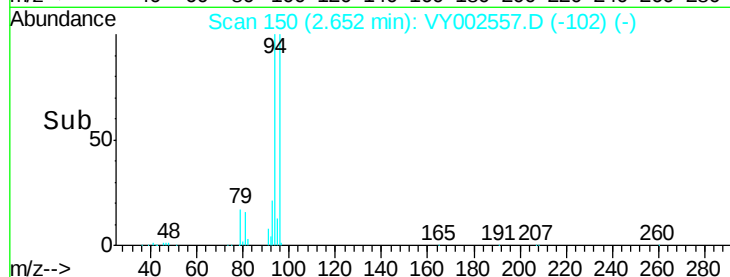
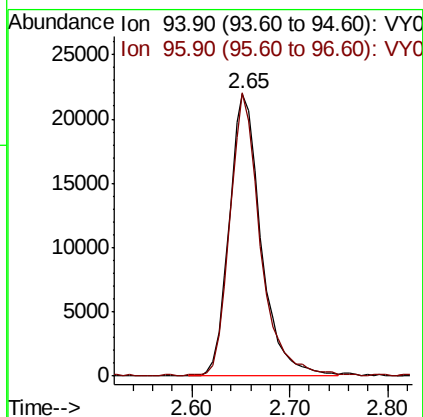
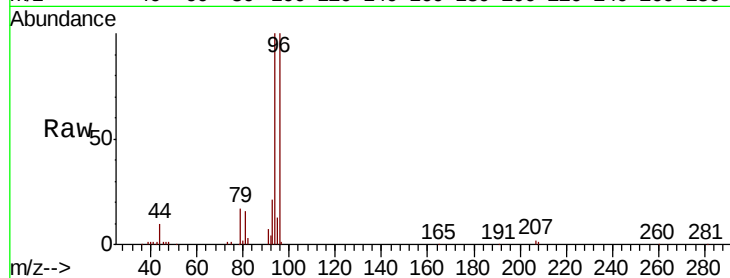
VY0504SBS02

Tot Ion: 94 Resp: 49561

Ion Ratio Lower Upper

94 100

96 99.8 74.9 112.3



#6

Chloroethane

Concen: 19.997 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.00 min

Lab File: VY002557.D

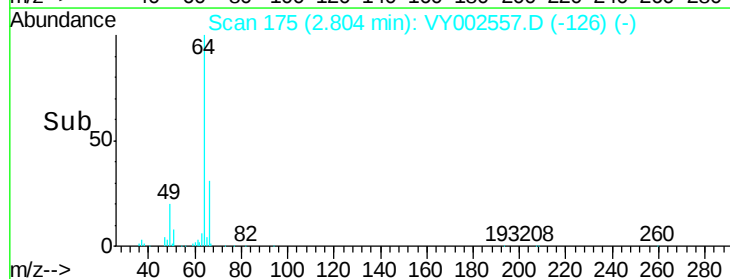
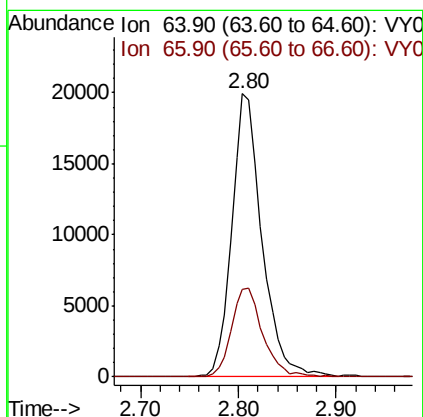
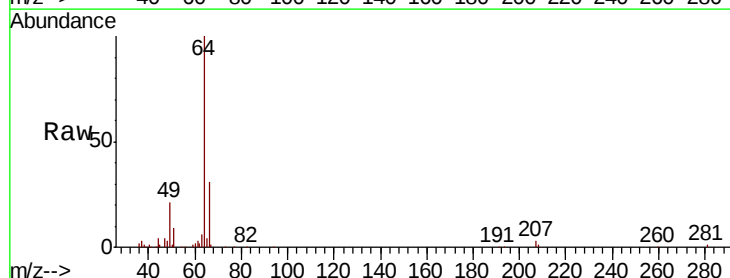
Acq: 04 May 2020 22:38

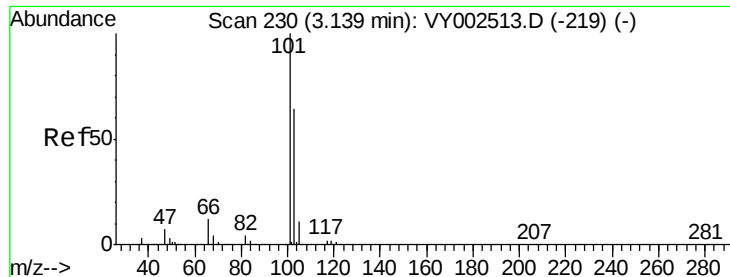
Tgt Ion: 64 Resp: 42538

Ion Ratio Lower Upper

64 100

66 31.1 26.3 39.5



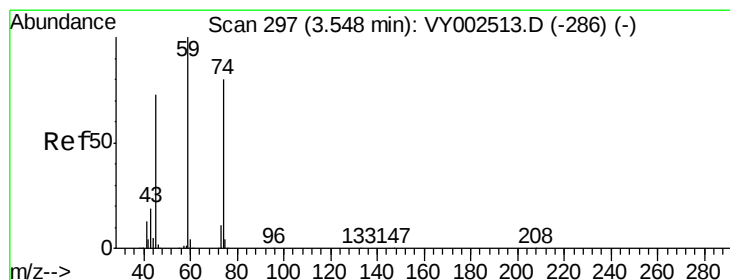
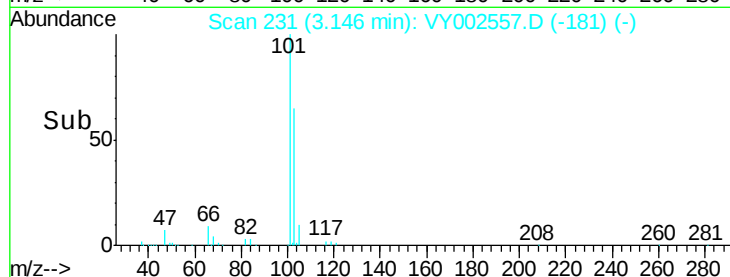
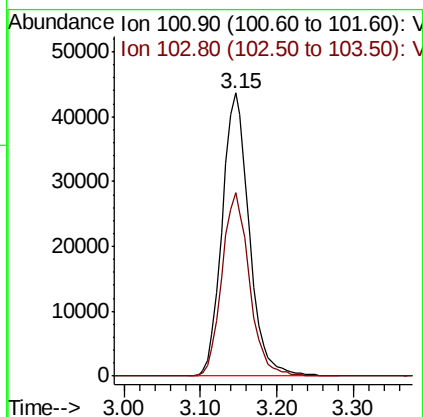
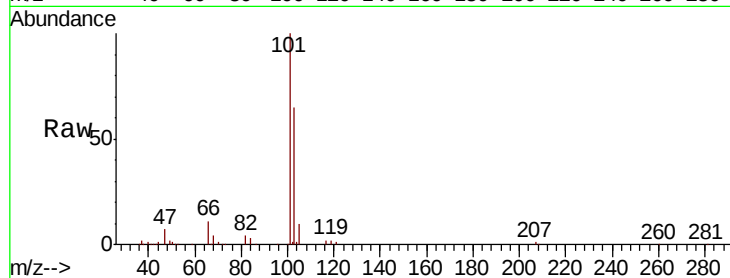


#7

Trichlorofluoromethane
Concen: 19.299 ug/l
RT: 3.15 min Scan# 231
Delta R.T. 0.01 min
Lab File: VY002557.D
Acq: 04 May 2020 22:38

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS02

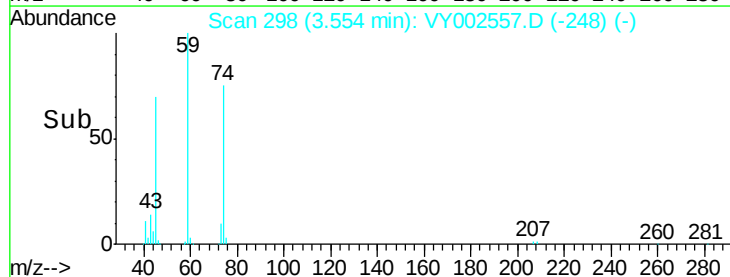
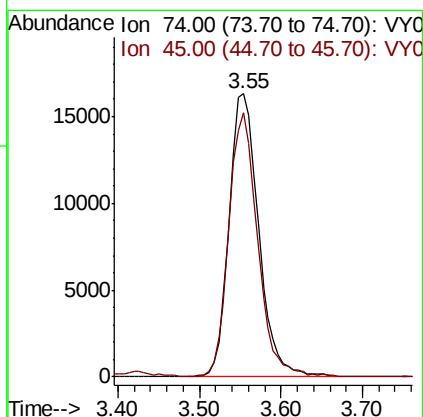
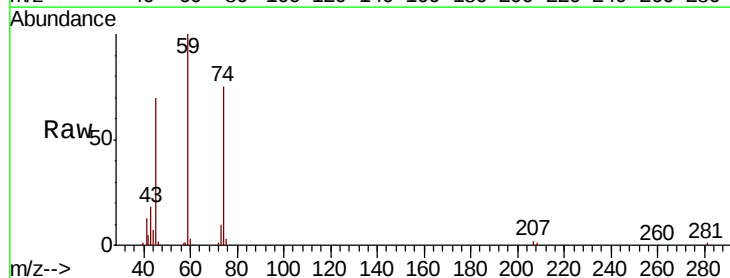
Tot Ion:101 Resp: 106558
Ion Ratio Lower Upper
101 100
103 64.9 51.4 77.0

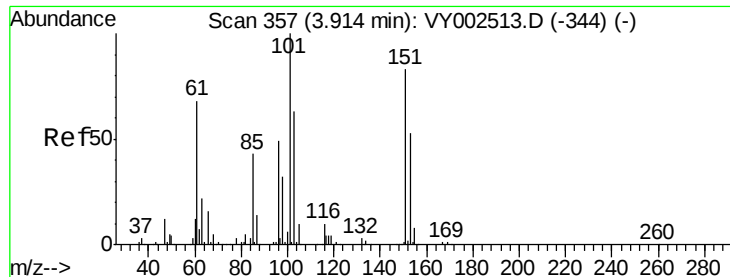


#8

Diethyl Ether
Concen: 22.007 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.01 min
Lab File: VY002557.D
Acq: 04 May 2020 22:38

Tgt Ion: 74 Resp: 40834
Ion Ratio Lower Upper
74 100
45 91.2 46.2 138.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.532 ug/l

RT: 3.93 min Scan# 360

Delta R.T. 0.02 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS02

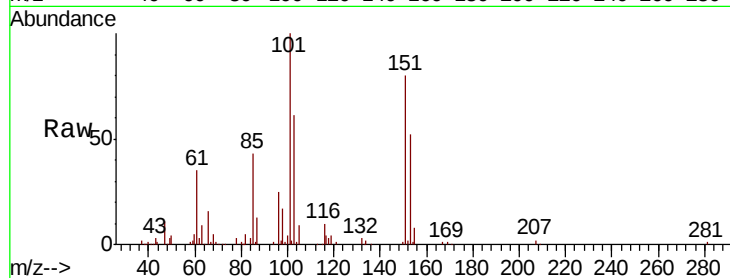
Tot Ion:101 Resp: 65911

Ion Ratio Lower Upper

101 100

85 44.0 33.4 50.2

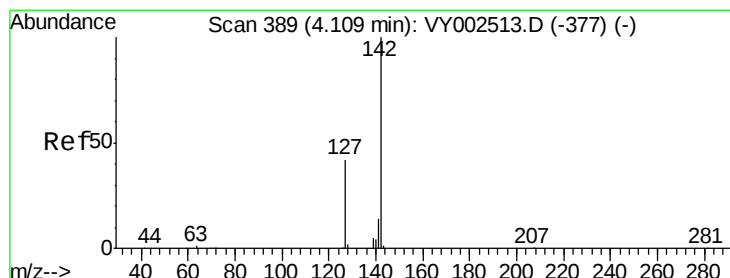
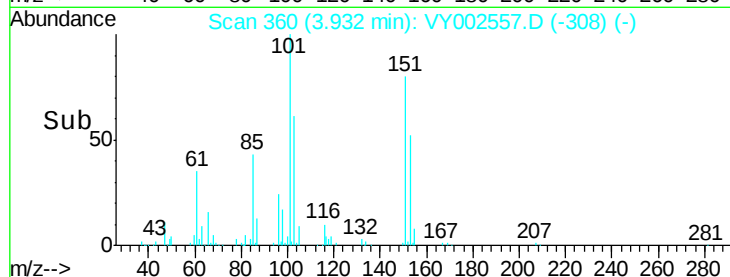
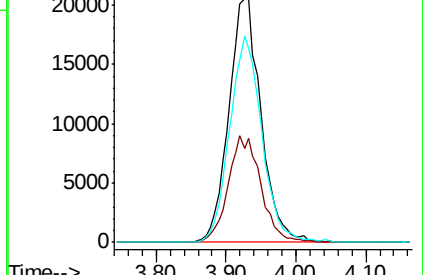
151 84.5 66.8 100.2



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: 20.068 ug/l

RT: 4.11 min Scan# 390

Delta R.T. 0.01 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

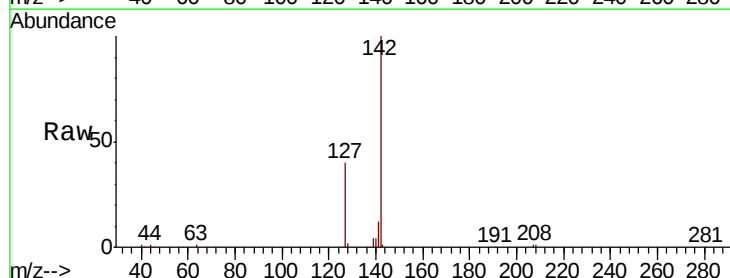
Tgt Ion:142 Resp: 92262

Ion Ratio Lower Upper

142 100

127 40.8 33.7 50.5

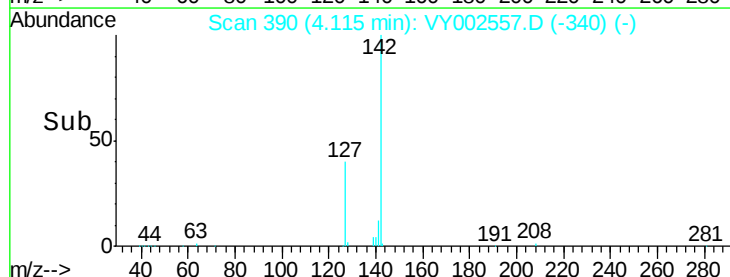
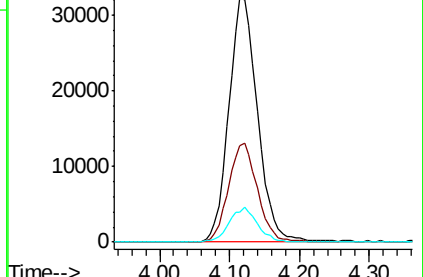
141 13.7 11.4 17.0

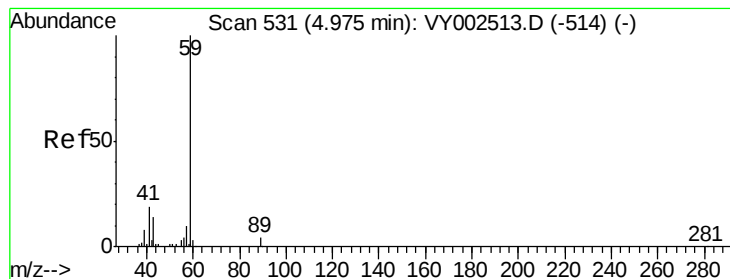


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



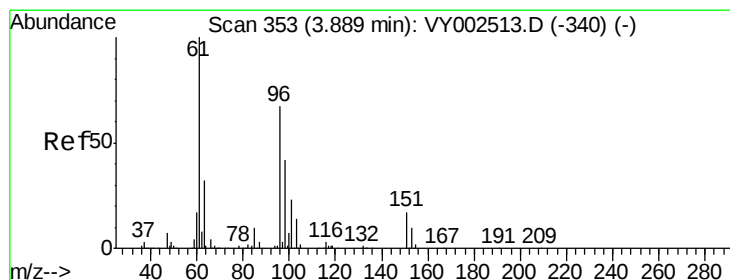
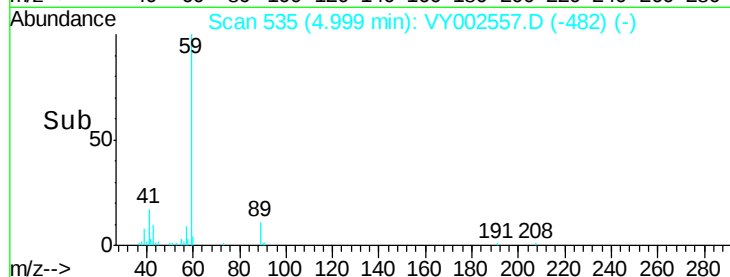
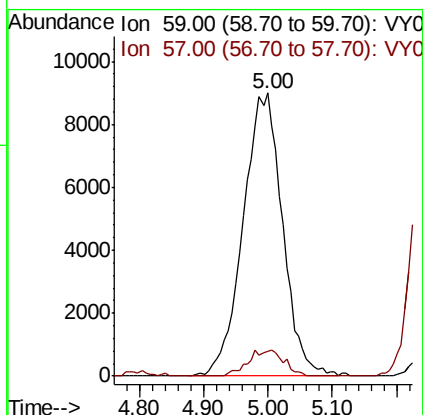
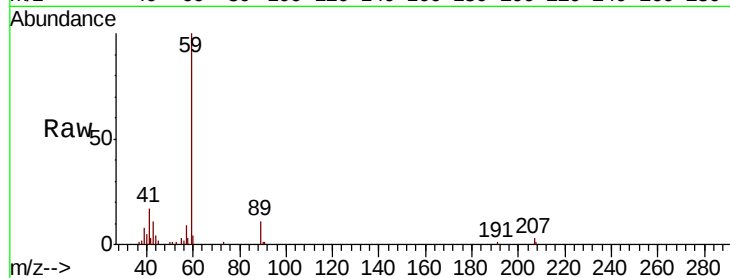


#11

Tert butyl alcohol
Concen: 115.052 ug/l
RT: 5.00 min Scan# 535
Delta R.T. 0.02 min
Lab File: VY002557.D
Acq: 04 May 2020 22:38

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS02

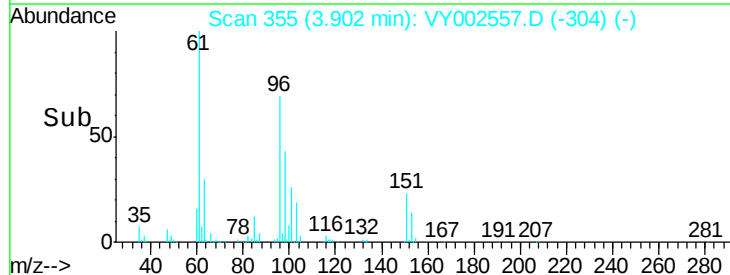
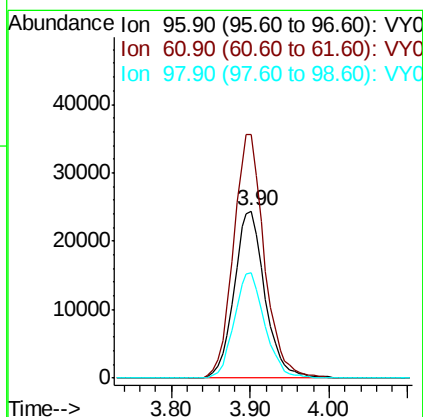
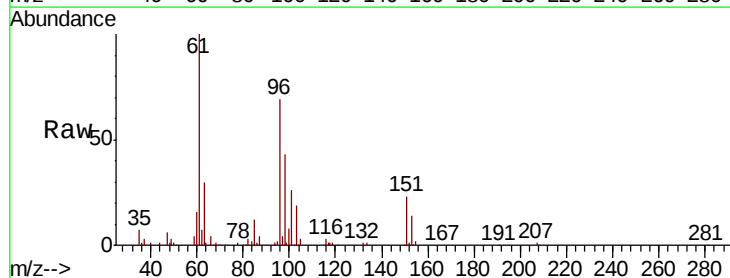
Tot Ion: 59 Resp: 37901
Ion Ratio Lower Upper
59 100
57 8.3 7.8 11.6

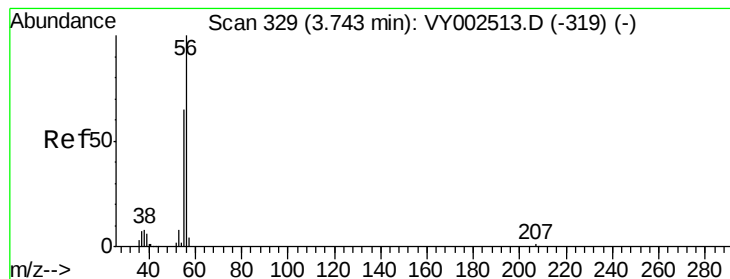


#12

1,1-Dichloroethene
Concen: 20.178 ug/l
RT: 3.90 min Scan# 355
Delta R.T. 0.01 min
Lab File: VY002557.D
Acq: 04 May 2020 22:38

Tgt Ion: 96 Resp: 66147
Ion Ratio Lower Upper
96 100
61 145.6 118.8 178.2
98 63.3 49.6 74.4





#13

Acrolein

Concen: 81.814 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.01 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

Instrument :

MSVOA_Y

ClientSampleId :

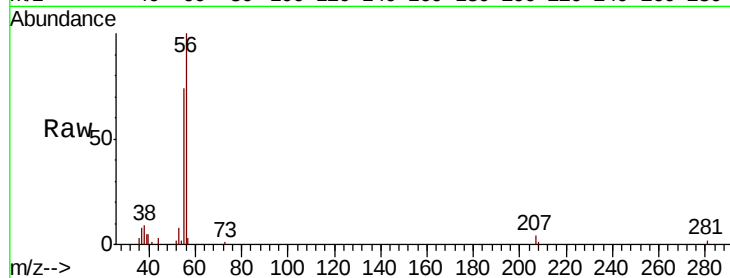
VY0504SBS02

Tot Ion: 56 Resp: 18637

Ion Ratio Lower Upper

56 100

55 71.5 53.8 80.6



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

3.76

8000

6000

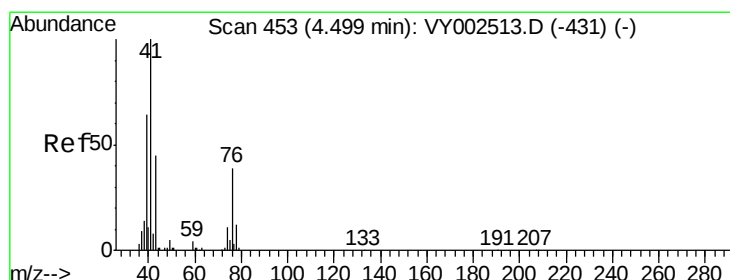
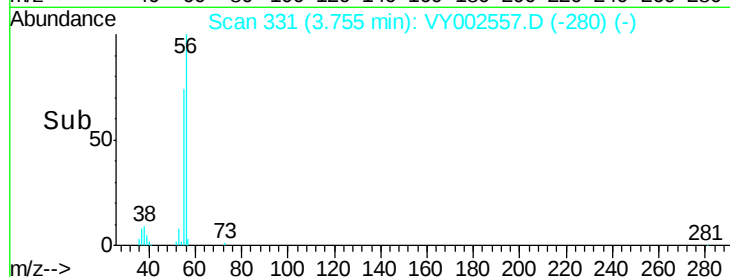
4000

2000

0

Time-->

3.70 3.80 3.90



#14

Allyl chloride

Concen: 21.312 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.01 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

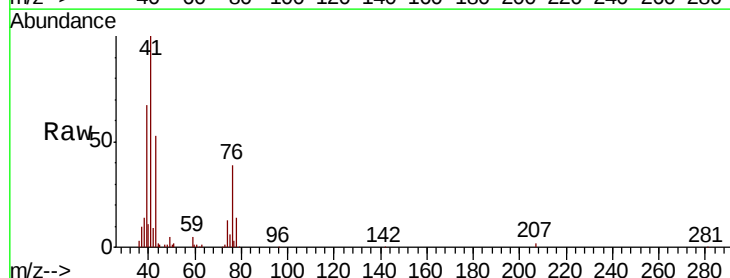
Tgt Ion: 41 Resp: 101794

Ion Ratio Lower Upper

41 100

39 63.2 51.8 77.6

76 39.3 31.7 47.5



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0

4.51

40000

30000

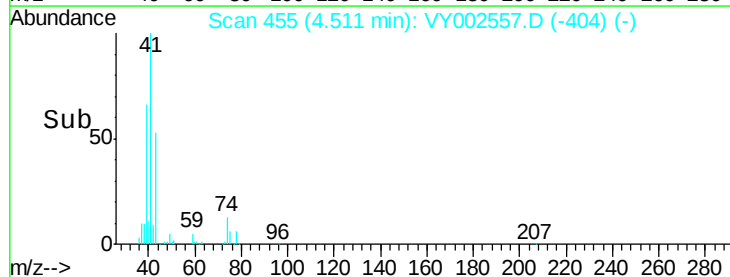
20000

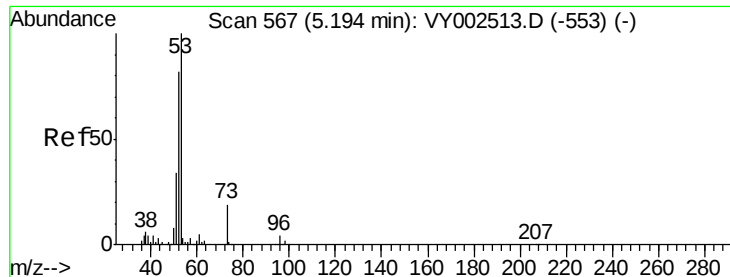
10000

0

Time-->

4.30 4.40 4.50 4.60 4.70





#15

Acrylonitrile

Concen: 110.307 ug/l

RT: 5.21 min Scan# 569

Delta R.T. 0.01 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS02

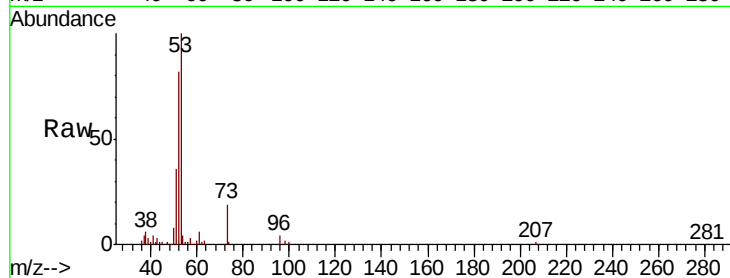
Tot Ion: 53 Resp: 96519

Ion Ratio Lower Upper

53 100

52 83.2 65.4 98.0

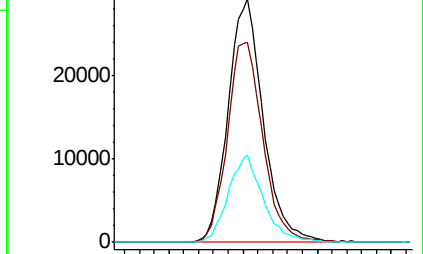
51 35.6 28.7 43.1



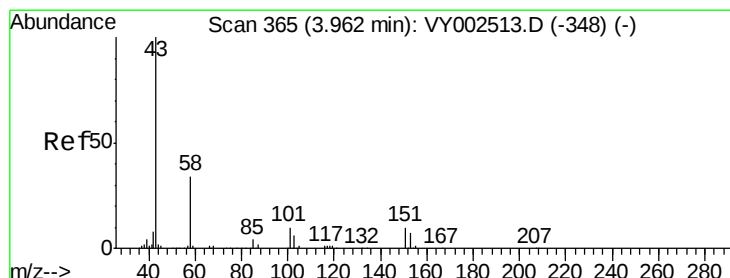
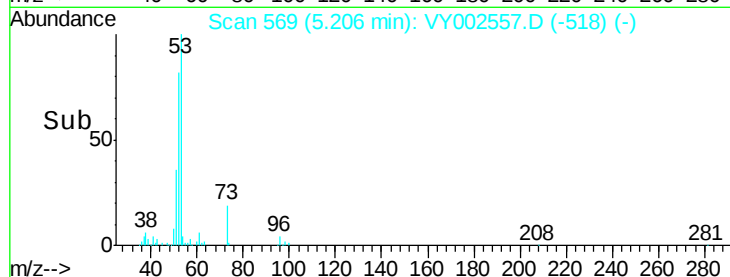
Abundance Ion 53.00 (52.70 to 53.70): VY002557.D (-518) (-)

Ion 52.00 (51.70 to 52.70): VY002557.D (-518) (-)

Ion 51.00 (50.70 to 51.70): VY002557.D (-518) (-)



Time-->



#16

Acetone

Concen: 107.813 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY002557.D

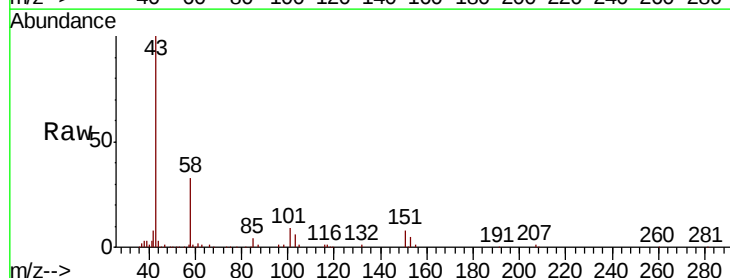
Acq: 04 May 2020 22:38

Tgt Ion: 43 Resp: 71244

Ion Ratio Lower Upper

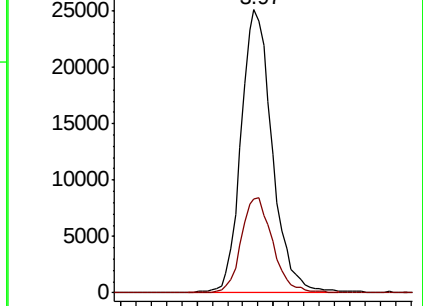
43 100

58 33.0 26.9 40.3

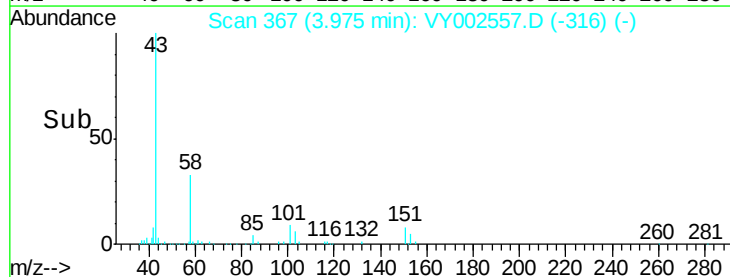


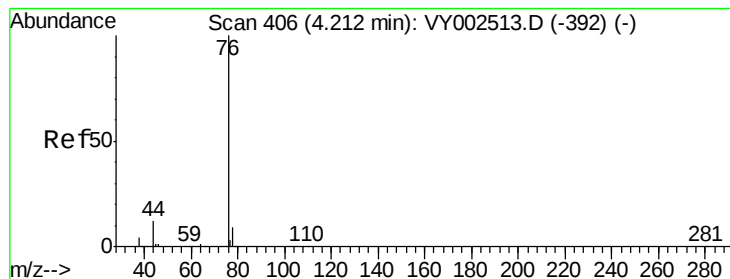
Abundance Ion 43.00 (42.70 to 43.70): VY002557.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VY002557.D (-316) (-)



Time-->





#17

Carbon Disulfide

Concen: 18.513 ug/l

RT: 4.22 min Scan# 407

Delta R.T. 0.01 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

Instrument :

MSVOA_Y

ClientSampleId :

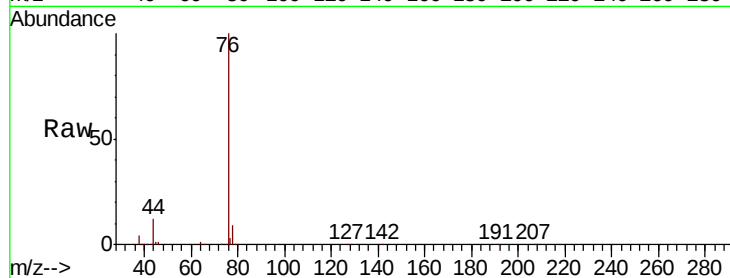
VY0504SBS02

Tot Ion: 76 Resp: 182581

Ion Ratio Lower Upper

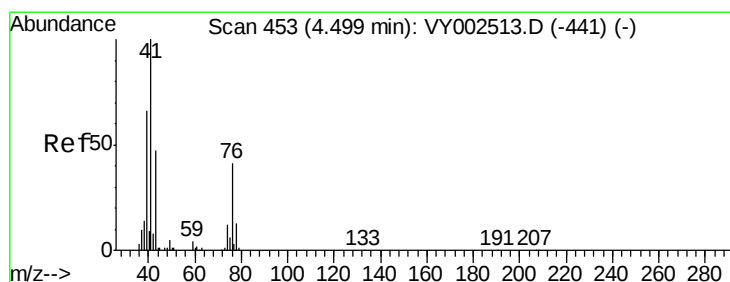
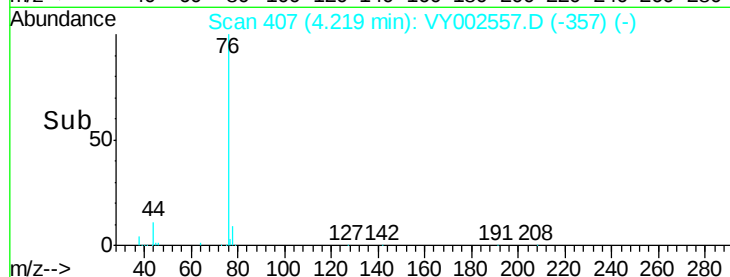
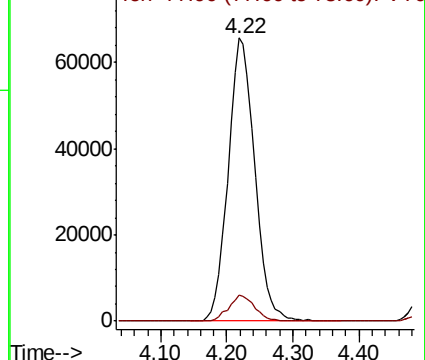
76 100

78 9.3 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: 22.611 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.01 min

Lab File: VY002557.D

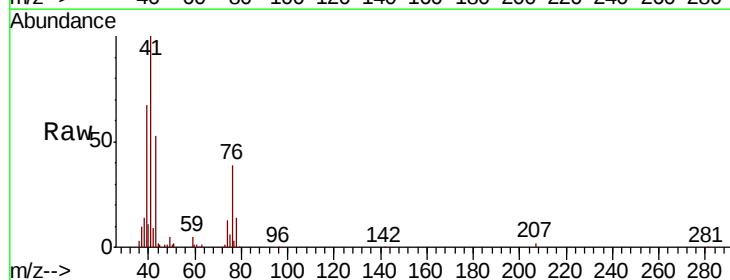
Acq: 04 May 2020 22:38

Tgt Ion: 43 Resp: 49924

Ion Ratio Lower Upper

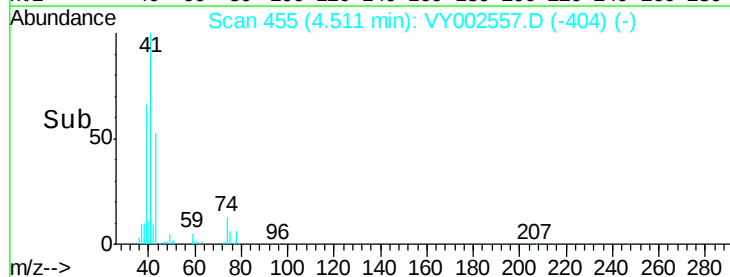
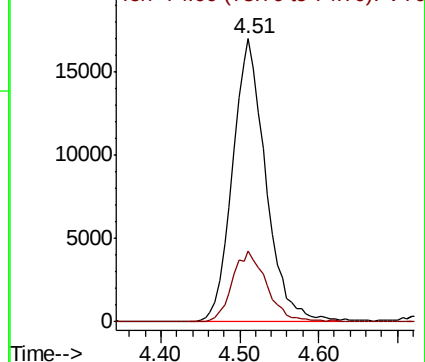
43 100

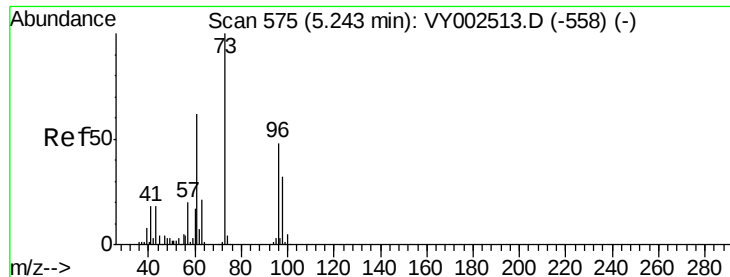
74 25.9 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

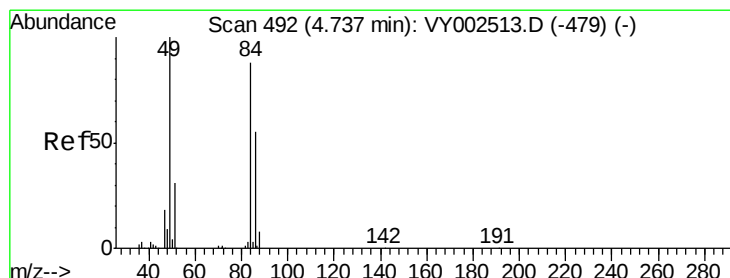
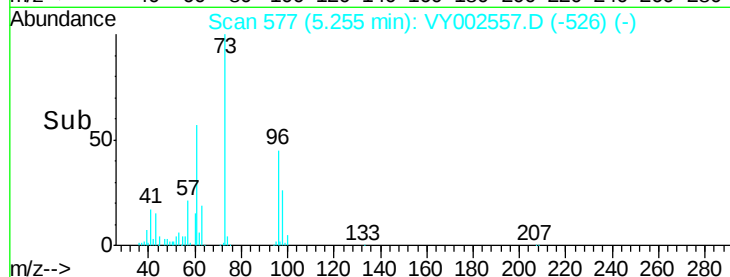
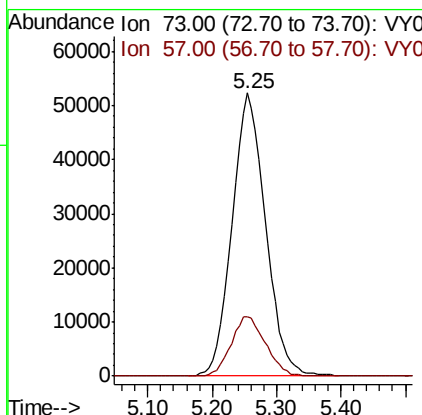
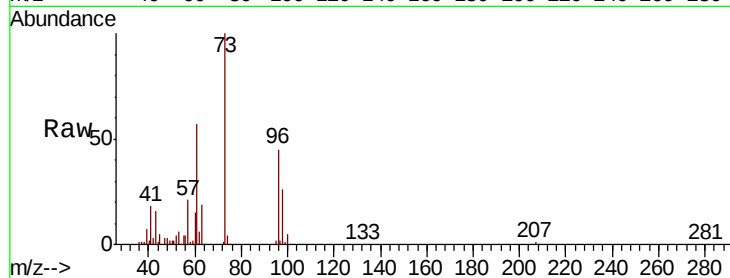




#19
Methvl tert-butvl Ether
Concen: 22.017 ug/l
RT: 5.25 min Scan# 577
Delta R.T. 0.01 min
Lab File: VY002557.D
Acq: 04 May 2020 22:38

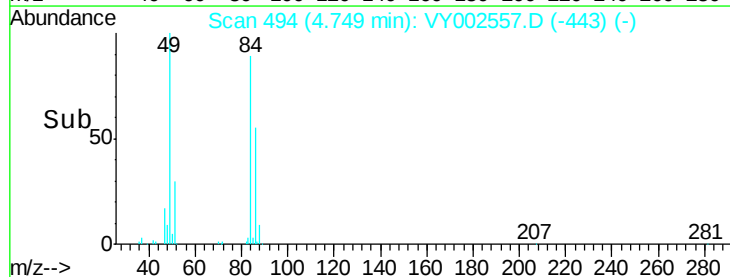
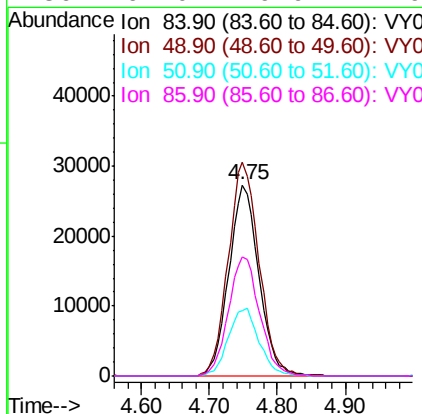
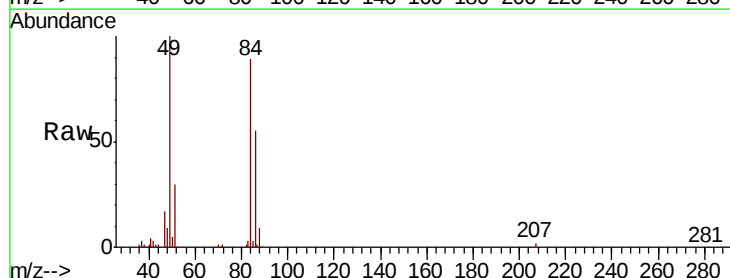
Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS02

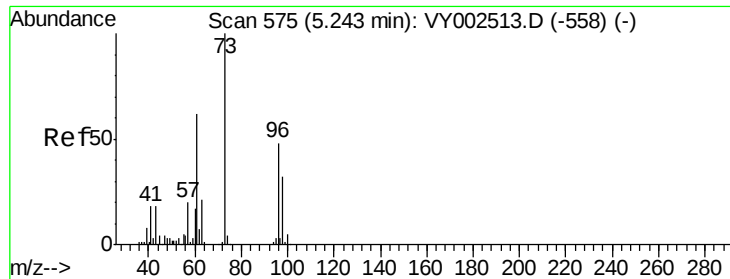
Tot Ion: 73 Resp: 188307
Ion Ratio Lower Upper
73 100
57 20.9 16.3 24.5



#20
Methylene Chloride
Concen: 22.674 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.01 min
Lab File: VY002557.D
Acq: 04 May 2020 22:38

Tgt Ion: 84 Resp: 83789
Ion Ratio Lower Upper
84 100
49 111.7 90.5 135.7
51 34.1 28.3 42.5
86 62.0 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 20.781 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.01 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS02

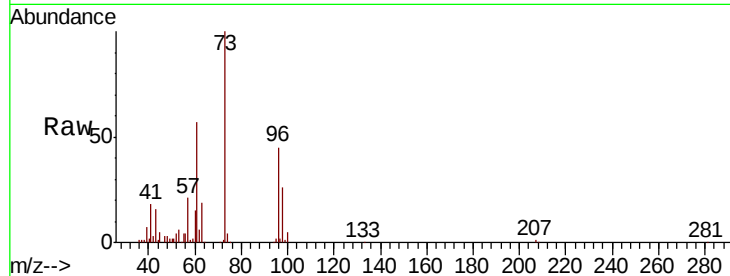
Tot Ion: 96 Resp: 74458

Ion Ratio Lower Upper

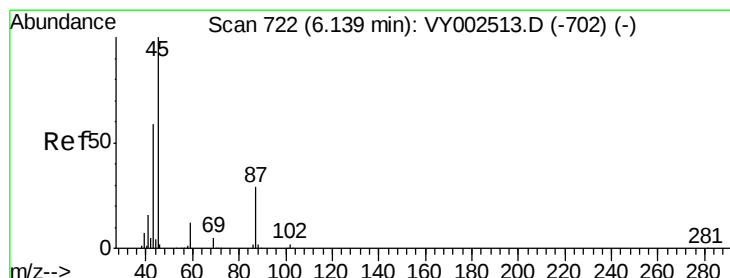
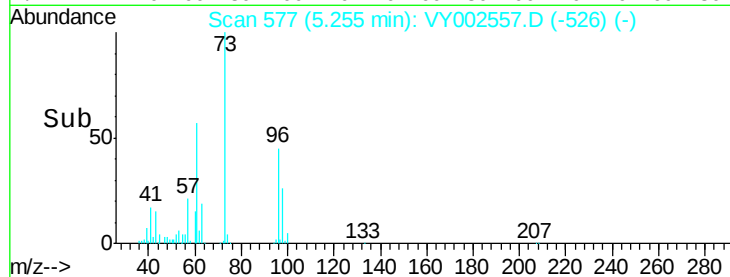
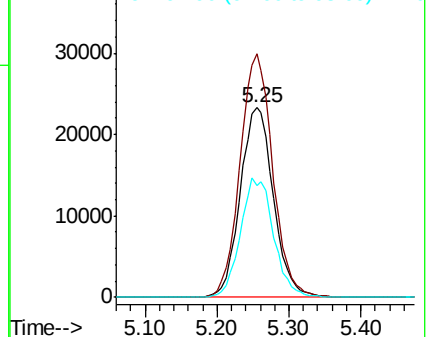
96 100

61 128.4 102.0 153.0

98 59.1 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: 23.075 ug/l

RT: 6.15 min Scan# 724

Delta R.T. 0.01 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

Tgt Ion: 45 Resp: 223007

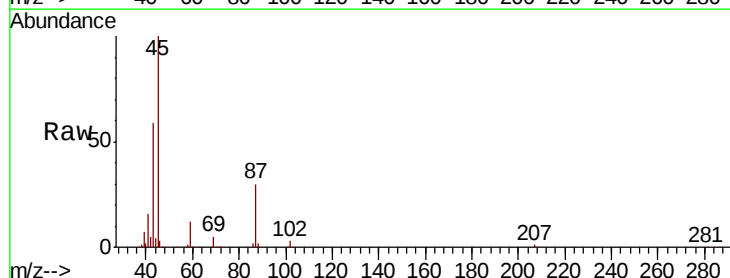
Ion Ratio Lower Upper

45 100

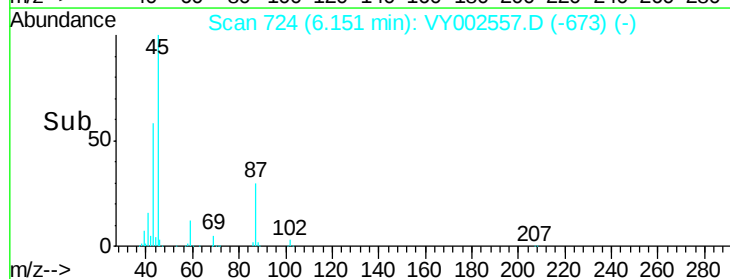
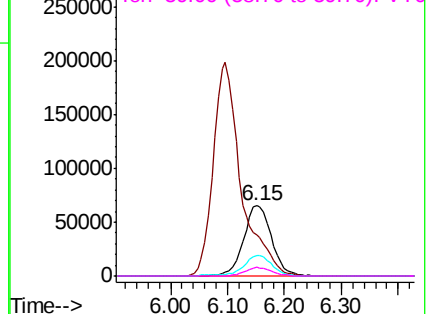
43 58.5 47.4 71.0

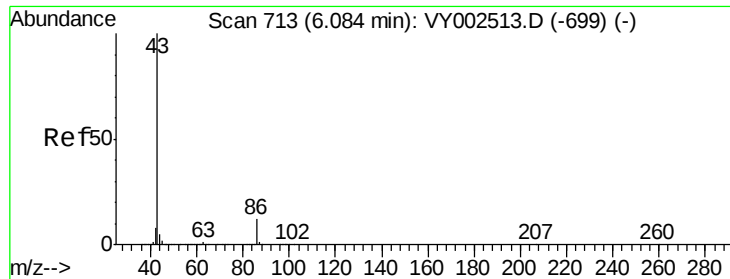
87 30.0 24.0 36.0

59 12.4 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

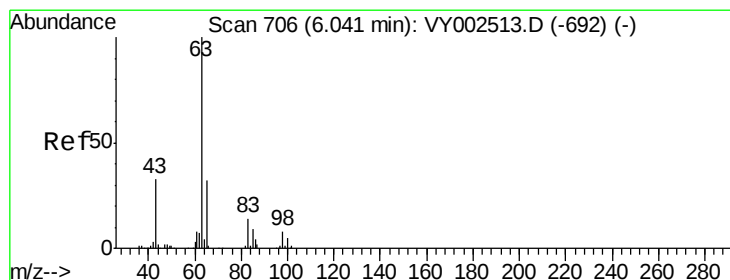
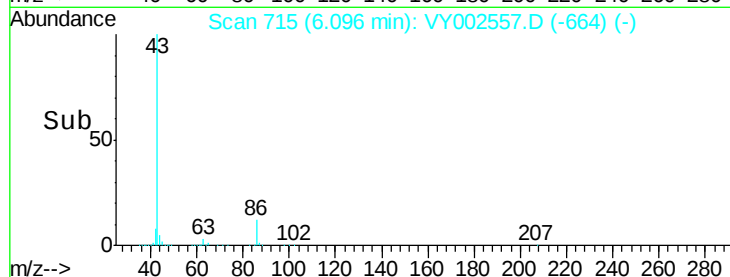
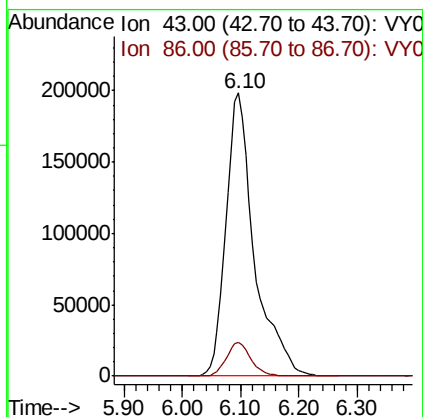
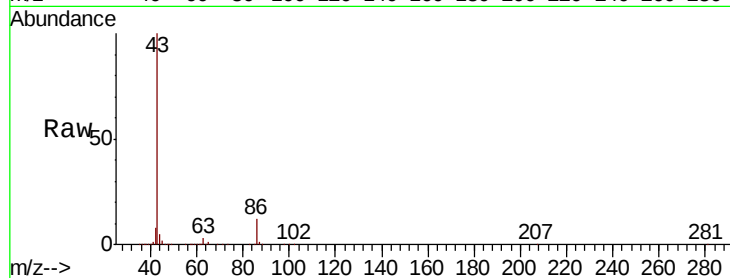




#23
 Vinyl Acetate
 Concen: 110.960 ug/l
 RT: 6.10 min Scan# 715
 Delta R.T. 0.01 min
 Lab File: VY002557.D
 Acq: 04 May 2020 22:38

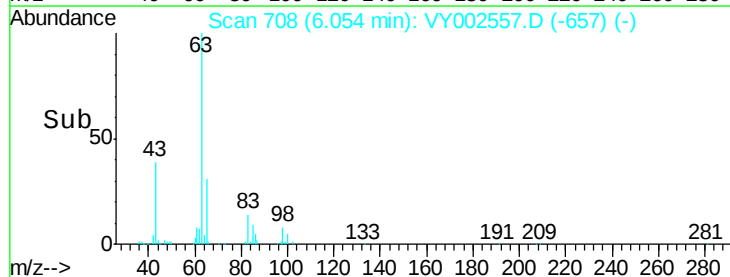
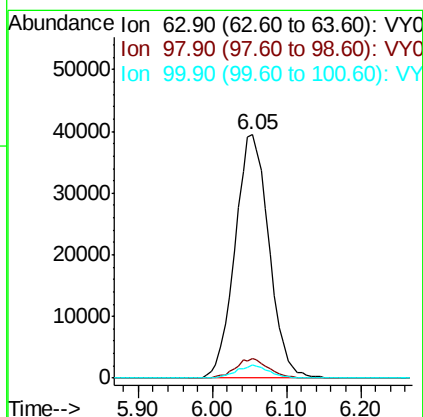
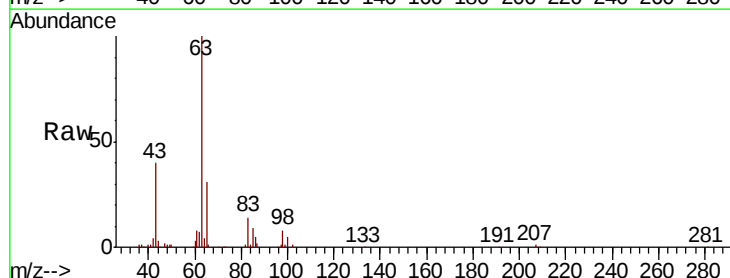
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS02

Tot Ion: 43 Resp: 674415
 Ion Ratio Lower Upper
 43 100
 86 12.0 9.8 14.6



#24
 1,1-Dichloroethane
 Concen: 22.054 ug/l
 RT: 6.05 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VY002557.D
 Acq: 04 May 2020 22:38

Tgt Ion: 63 Resp: 126093
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.9 11.7
 100 5.4 2.4 7.2

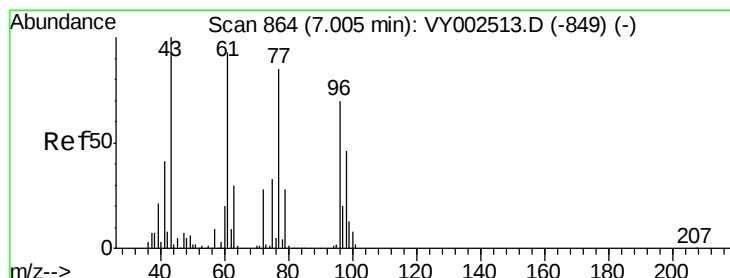
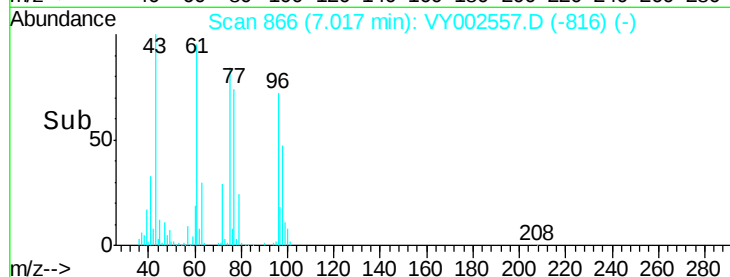
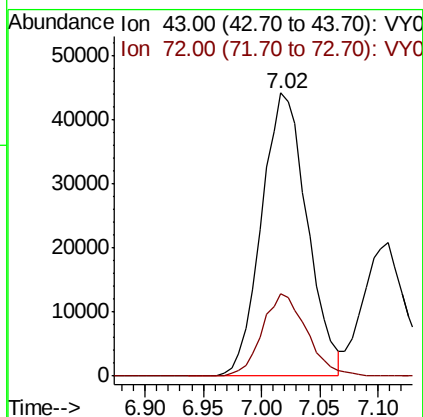
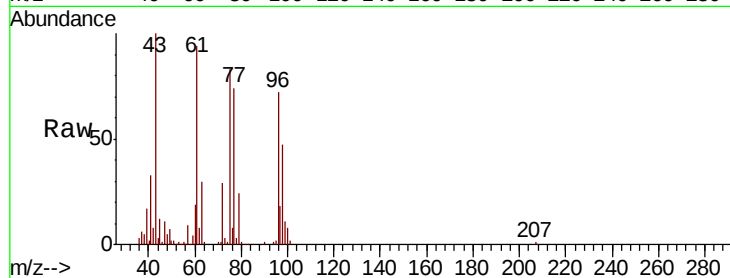




#25
2-Butanone
Concen: 111.358 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.01 min
Lab File: VY002557.D
Acq: 04 May 2020 22:38

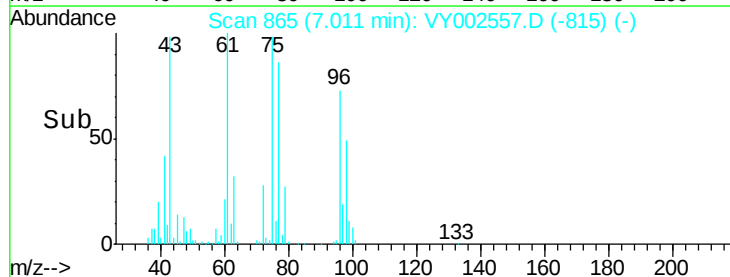
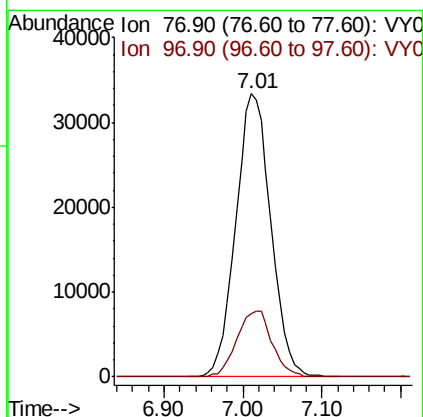
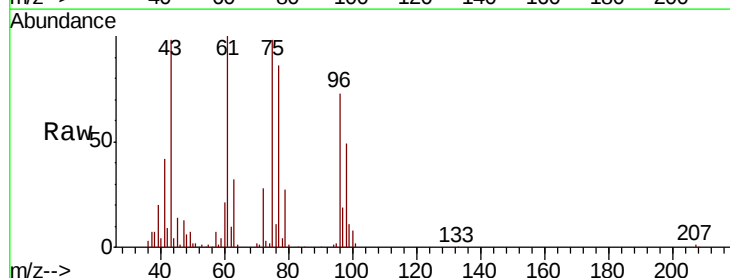
Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS02

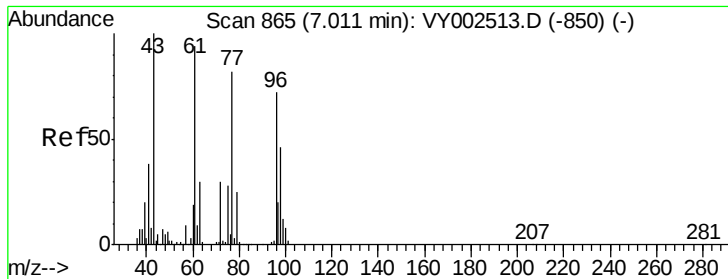
Tot Ion: 43 Resp: 120457
Ion Ratio Lower Upper
43 100
72 29.1 24.1 36.1



#26
2,2-Dichloropropane
Concen: 18.953 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY002557.D
Acq: 04 May 2020 22:38

Tgt Ion: 77 Resp: 103002
Ion Ratio Lower Upper
77 100
97 23.5 11.9 35.5



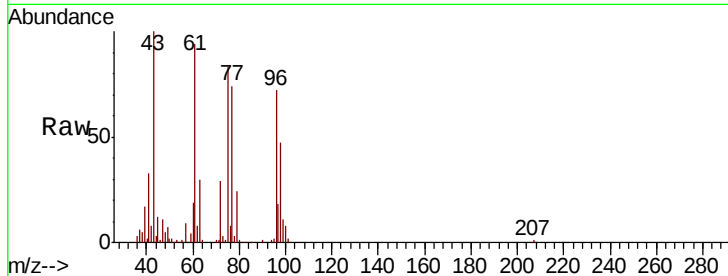


#27

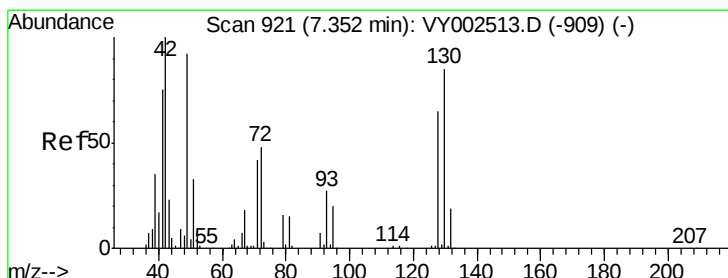
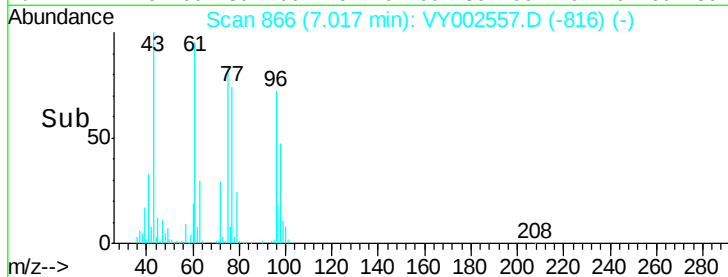
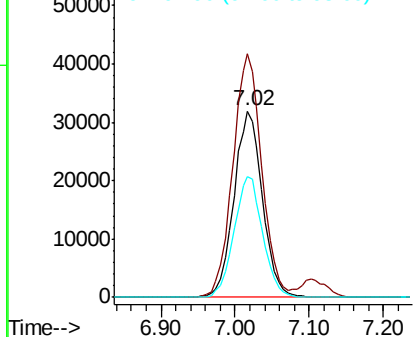
cis-1,2-Dichloroethene
Concen: 21.531 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.01 min
Lab File: VY002557.D
Acq: 04 May 2020 22:38

Instrument :
MSVOA_Y
ClientSampled :
VY0504SBS02

Tot Ion: 96 Resp: 85360
Ion Ratio Lower Upper
96 100
61 132.5 0.0 266.6
98 65.2 0.0 129.2



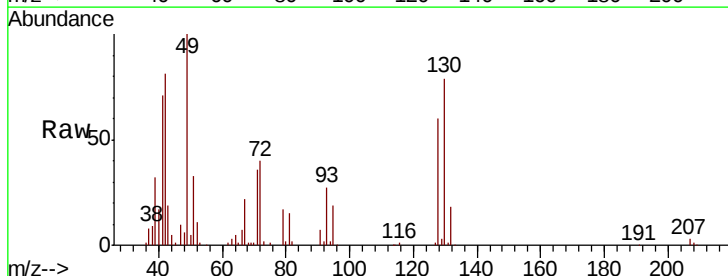
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



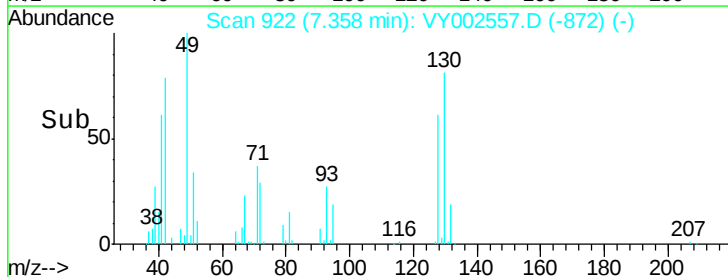
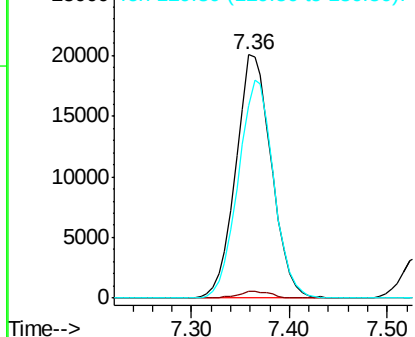
#28

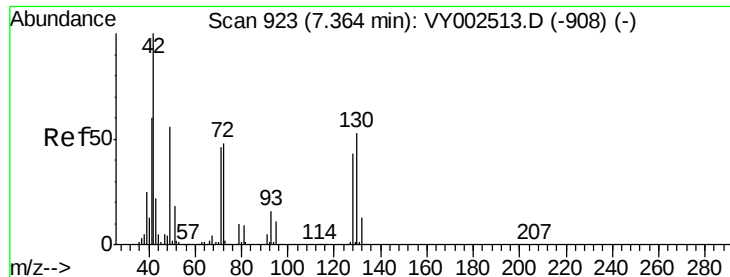
Bromochloromethane
Concen: 21.676 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY002557.D
Acq: 04 May 2020 22:38

Tgt Ion: 49 Resp: 50777
Ion Ratio Lower Upper
49 100
129 2.6 0.0 4.8
130 88.9 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: 111.735 ug/l

RT: 7.38 min Scan# 925

Delta R.T. 0.01 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS02

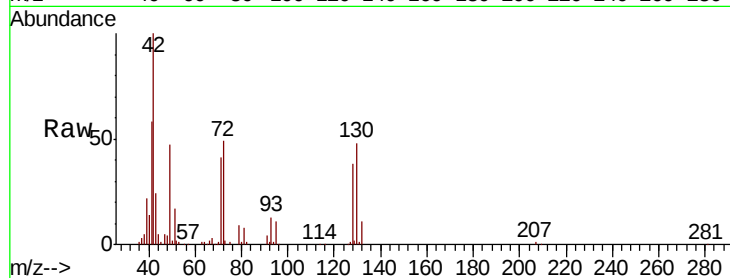
Tot Ion: 42 Resp: 79966

Ion Ratio Lower Upper

42 100

72 46.3 37.4 56.2

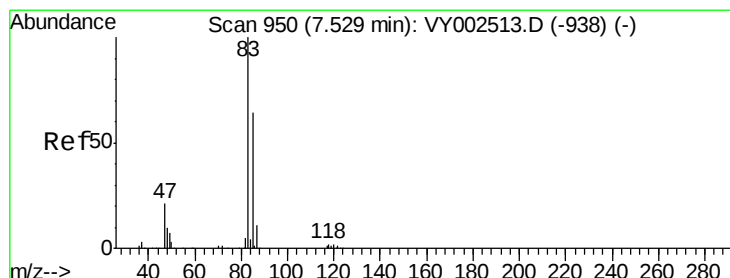
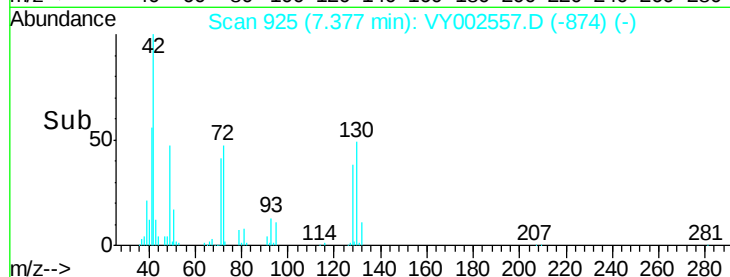
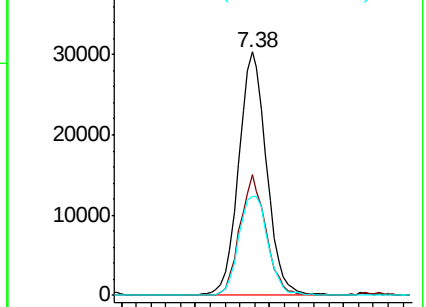
71 42.7 35.0 52.4



Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0



#30

Chloroform

Concen: 21.735 ug/l

RT: 7.54 min Scan# 951

Delta R.T. 0.01 min

Lab File: VY002557.D

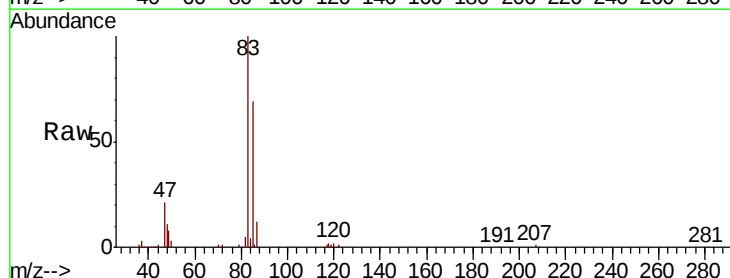
Acq: 04 May 2020 22:38

Tgt Ion: 83 Resp: 129211

Ion Ratio Lower Upper

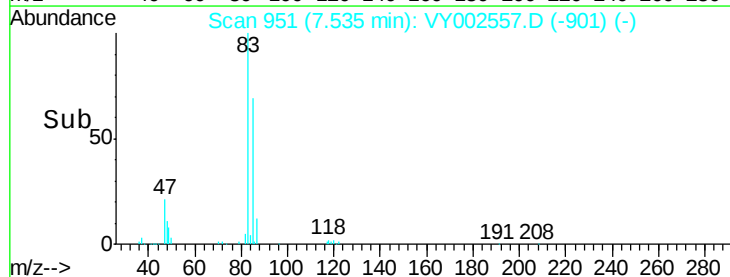
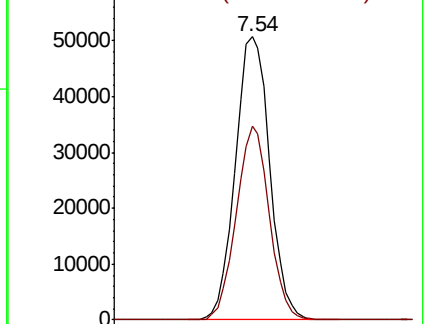
83 100

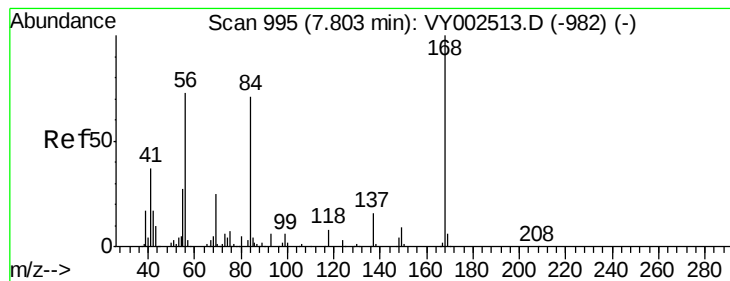
85 68.6 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 19.259 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS02

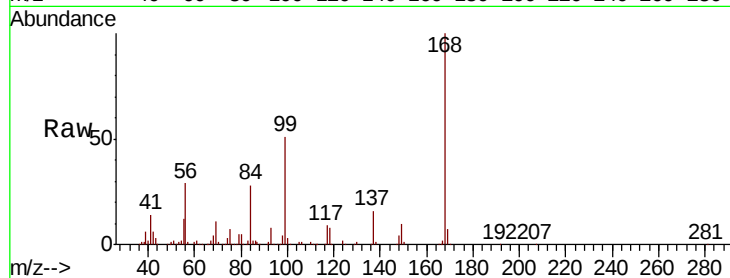
Tot Ion: 56 Resp: 110839

Ion Ratio Lower Upper

56 100

69 39.5 27.6 41.4

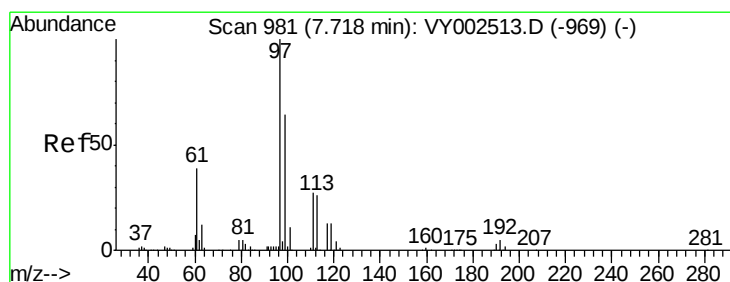
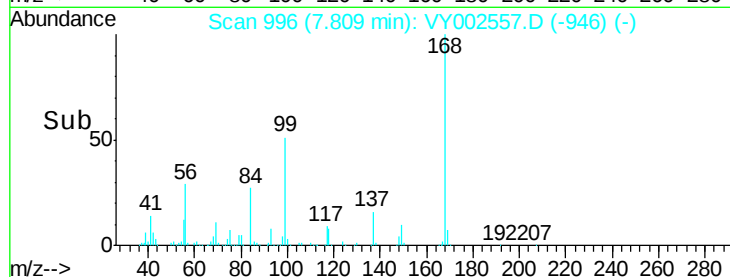
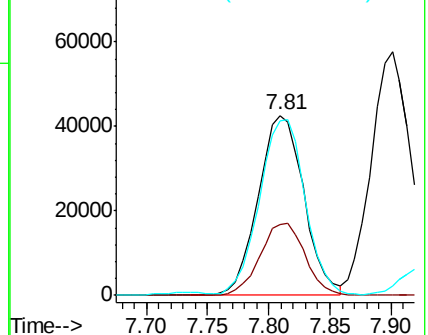
84 95.0 77.7 116.5



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: 20.436 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

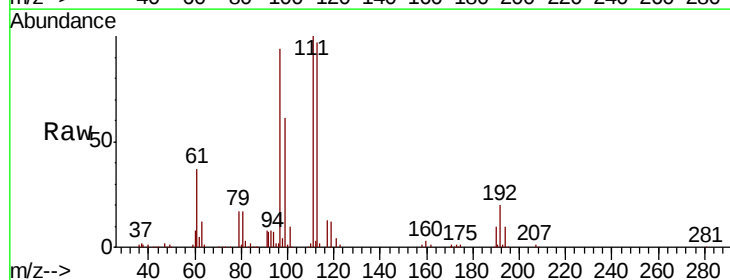
Tgt Ion: 97 Resp: 112924

Ion Ratio Lower Upper

97 100

99 65.1 51.9 77.9

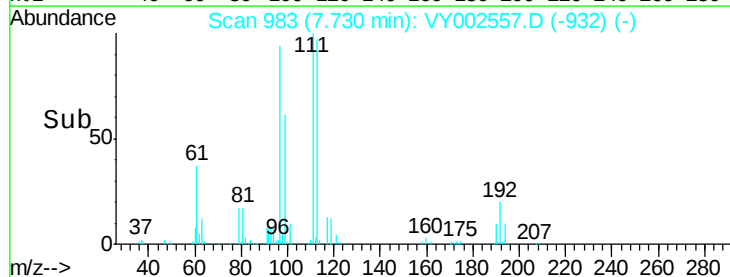
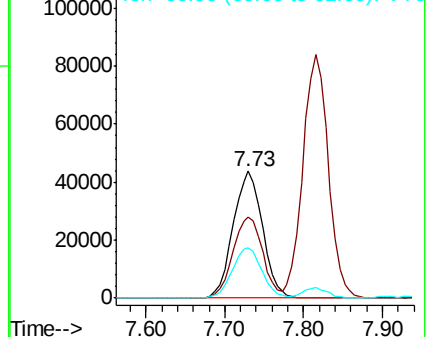
61 40.2 31.0 46.6

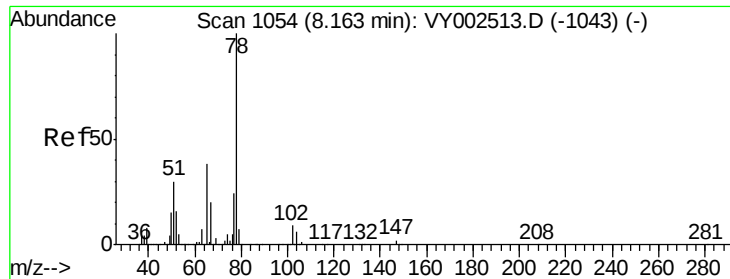


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

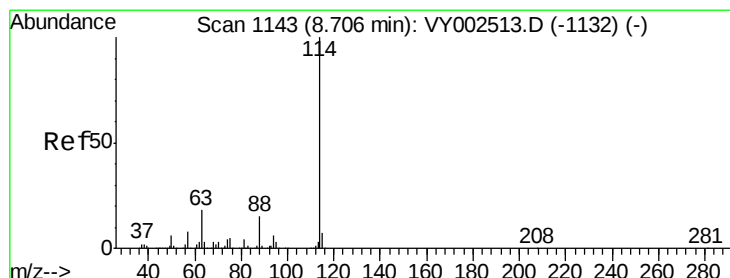
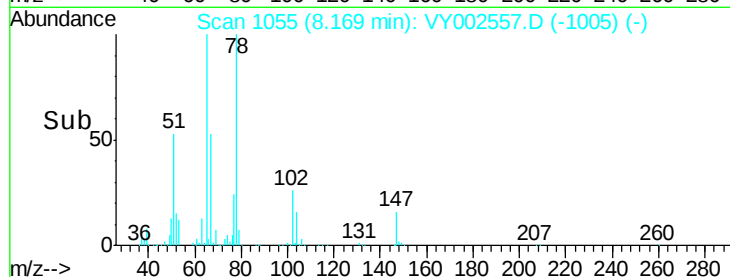
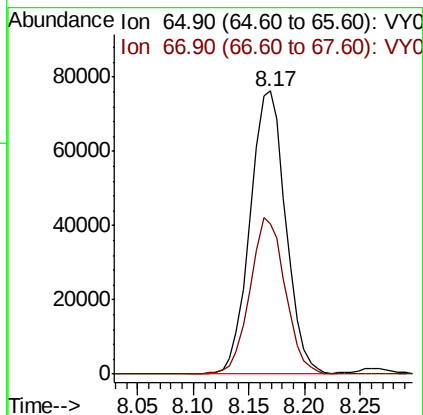
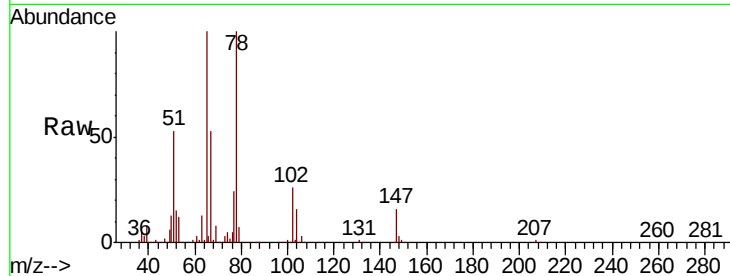




#33
 1,2-Dichloroethane-d4
 Concen: 53.238 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VY002557.D
 Acq: 04 May 2020 22:38

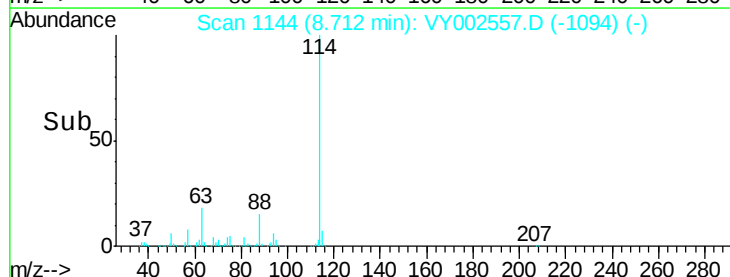
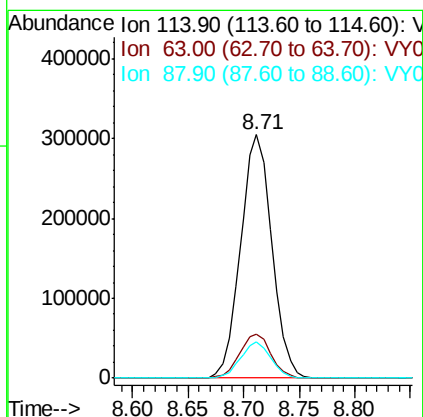
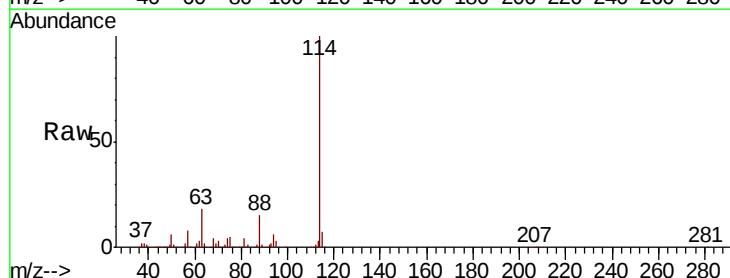
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS02

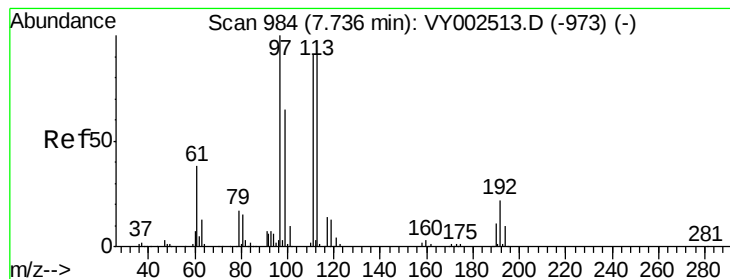
Tot Ion: 65 Resp: 170464
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY002557.D
 Acq: 04 May 2020 22:38

Tgt Ion: 114 Resp: 594215
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 36.4
 88 14.8 0.0 29.6





#35

Dibromofluoromethane

Concen: 52.081 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.01 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS02

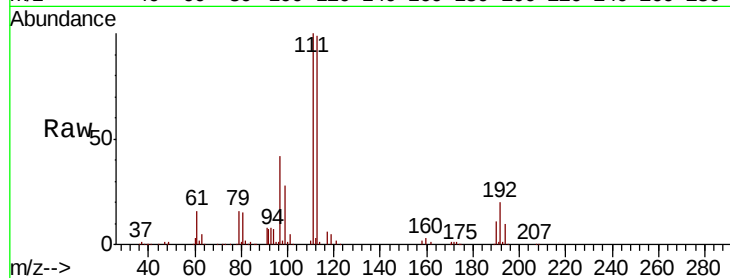
Tot Ion:113 Resp: 176988

Ion Ratio Lower Upper

113 100

111 103.3 81.8 122.6

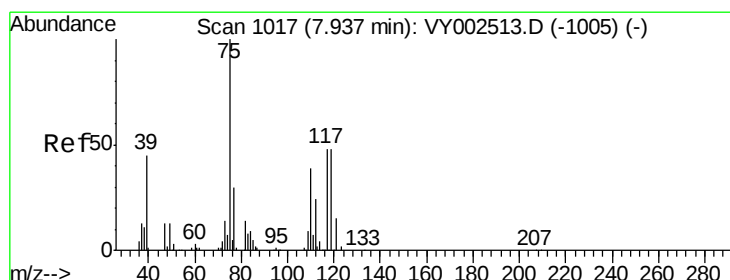
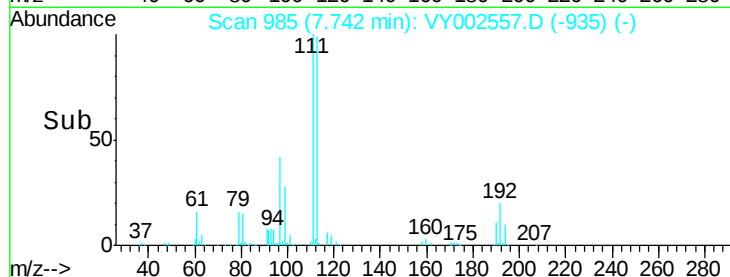
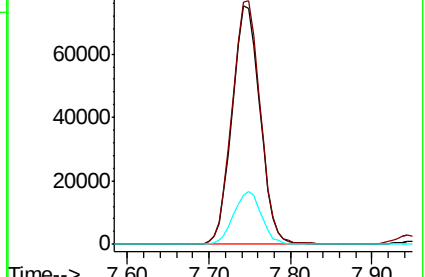
192 22.1 18.2 27.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.699 ug/l

RT: 7.94 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

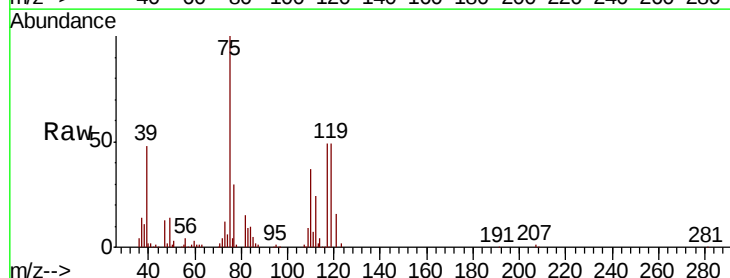
Tgt Ion: 75 Resp: 98129

Ion Ratio Lower Upper

75 100

110 37.5 19.1 57.3

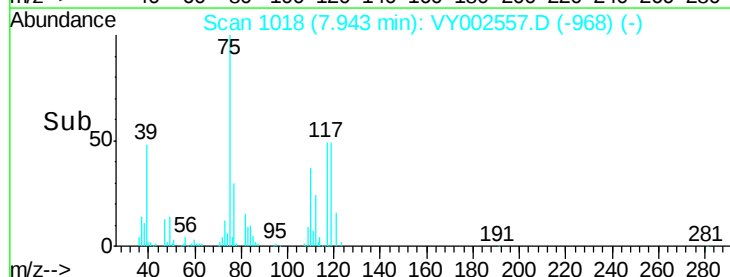
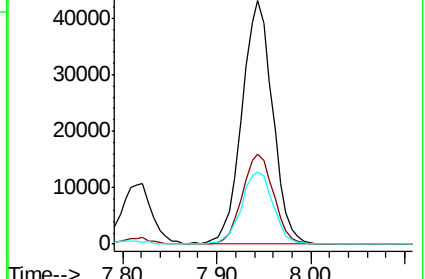
77 30.4 24.6 37.0

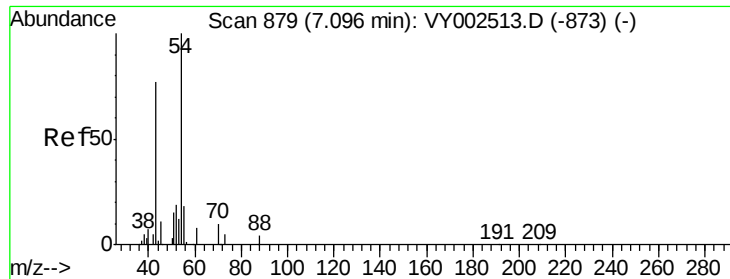


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

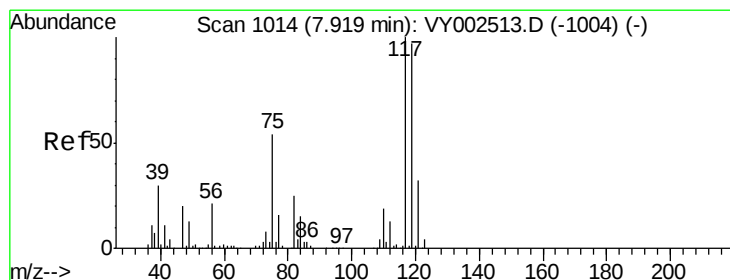
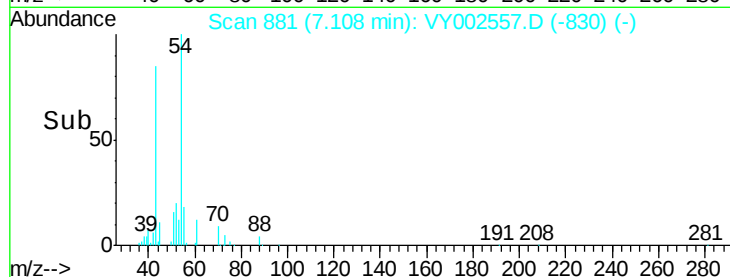
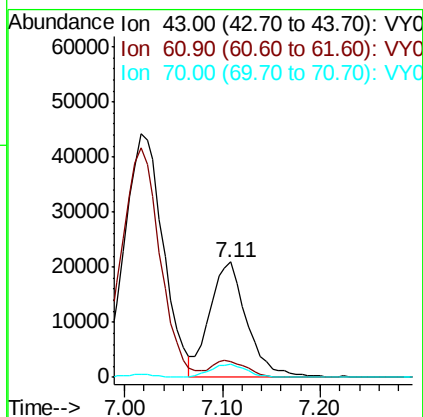
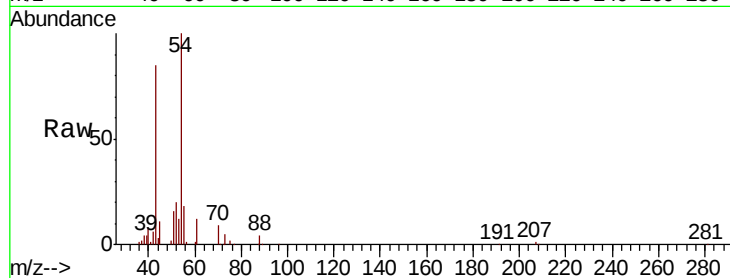




#37
Ethyl Acetate
Concen: 21.369 ug/l
RT: 7.11 min Scan# 881
Delta R.T. 0.01 min
Lab File: VY002557.D
Acq: 04 May 2020 22:38

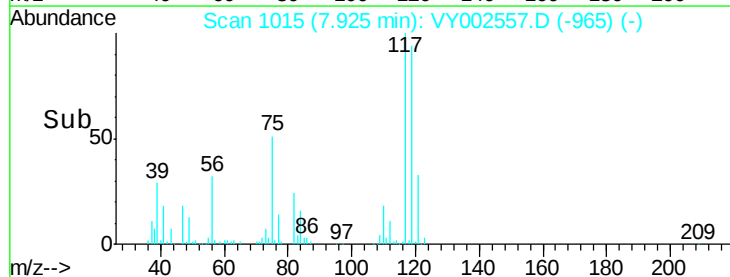
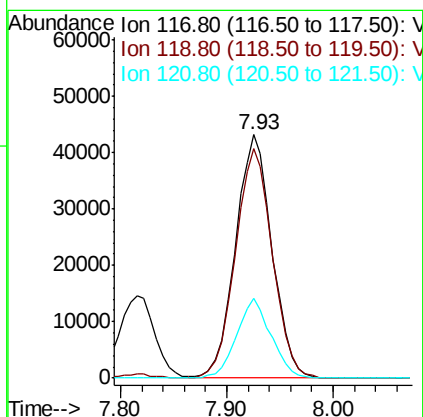
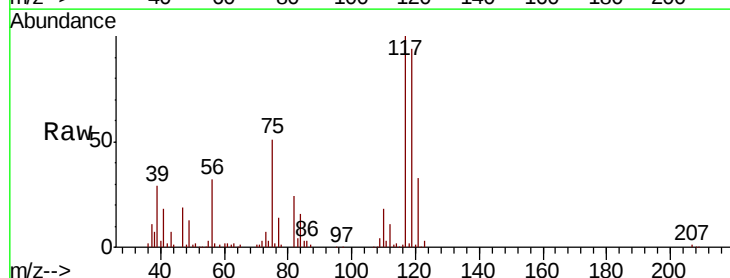
Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS02

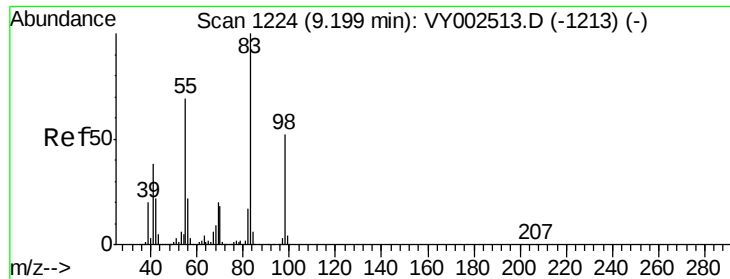
Tot Ion: 43 Resp: 54701
Ion Ratio Lower Upper
43 100
61 13.8 11.6 17.4
70 10.8 9.0 13.6



#38
Carbon Tetrachloride
Concen: 19.032 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VY002557.D
Acq: 04 May 2020 22:38

Tgt Ion: 117 Resp: 103503
Ion Ratio Lower Upper
117 100
119 94.2 77.1 115.7
121 32.6 25.2 37.8

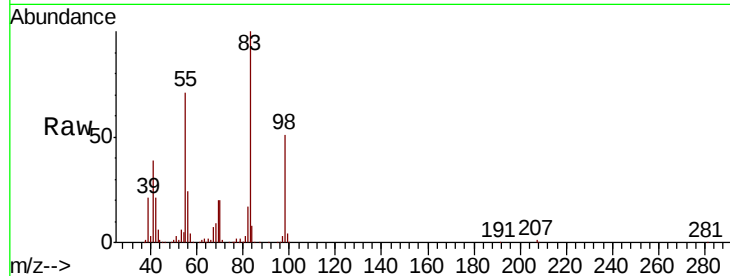




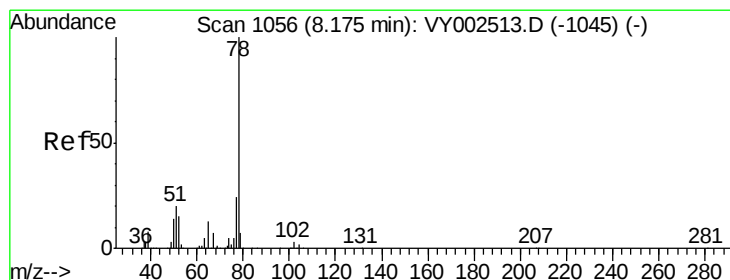
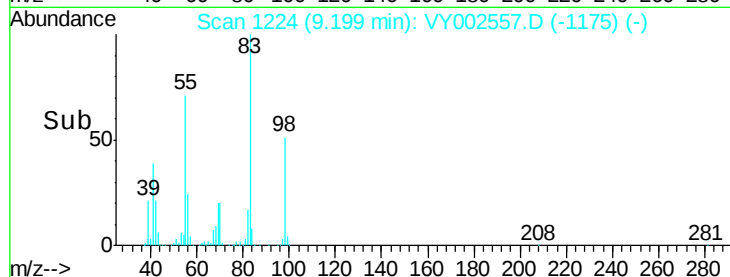
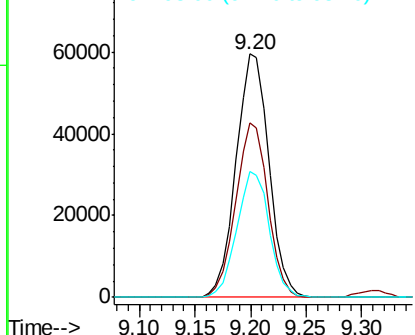
#39
Methvlcvclohexane
Concen: 18.538 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VY002557.D
Acq: 04 May 2020 22:38

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS02

Tot Ion	83	Resp	121969
Ion Ratio	Lower	Upper	
83	100		
55	71.5	55.4	83.0
98	51.5	41.3	61.9

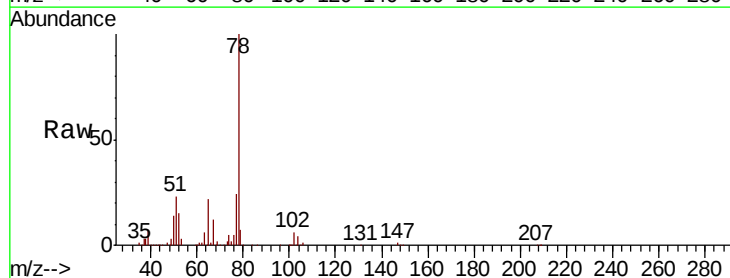


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

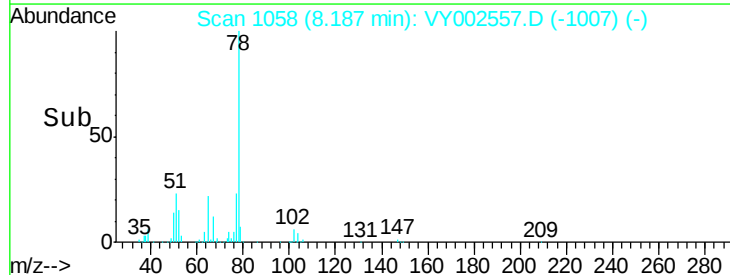
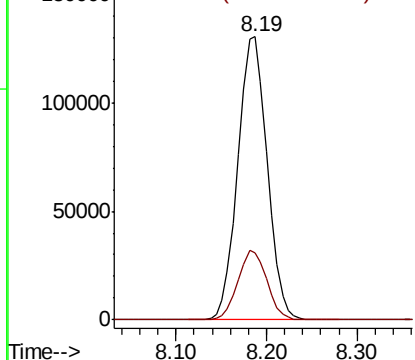


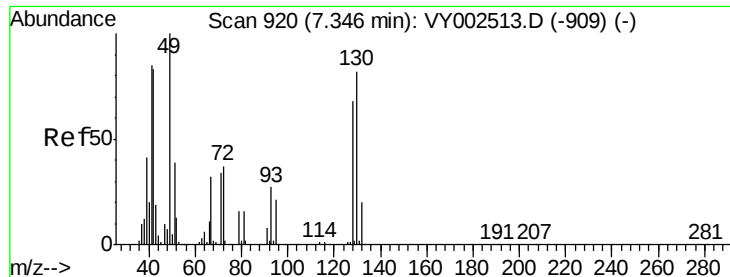
#40
Benzene
Concen: 20.394 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VY002557.D
Acq: 04 May 2020 22:38

Tgt Ion	78	Resp	293415
Ion Ratio	Lower	Upper	
78	100		
77	23.6	19.2	28.8



Abundance Ion 78.00 (77.70 to 78.70): VY0
Ion 77.00 (76.70 to 77.70): VY0

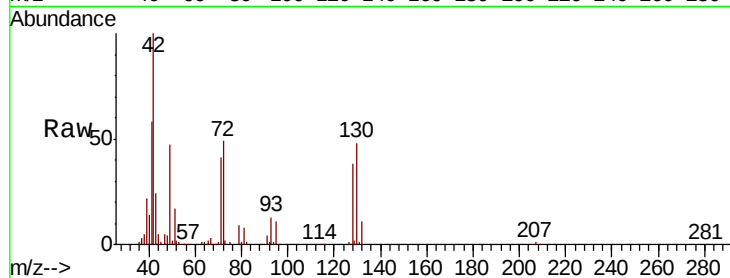




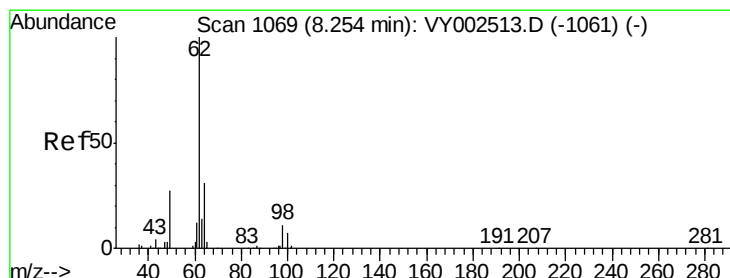
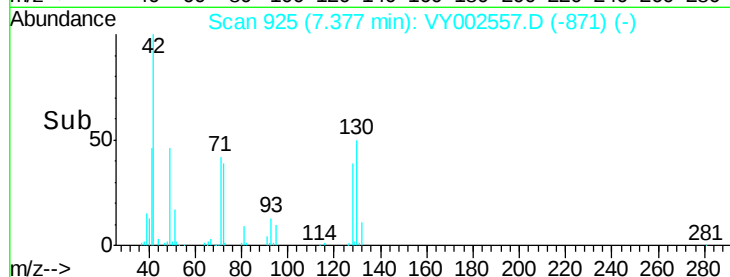
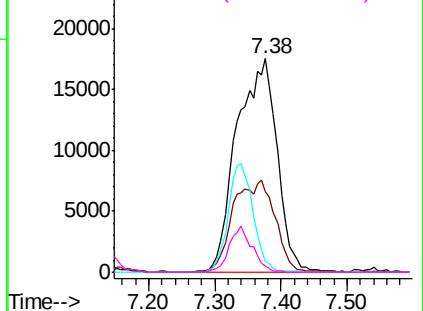
#41
Methacrylonitrile
Concen: 53.788 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.03 min
Lab File: VY002557.D
Acq: 04 May 2020 22:38

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS02

Tot Ion:	41	Resp:	74030
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

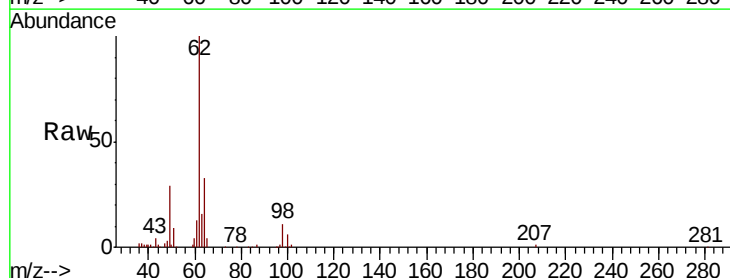


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

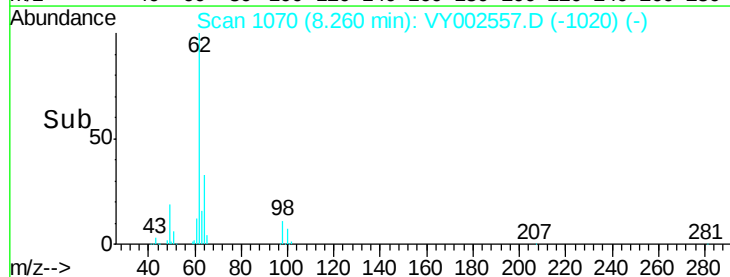
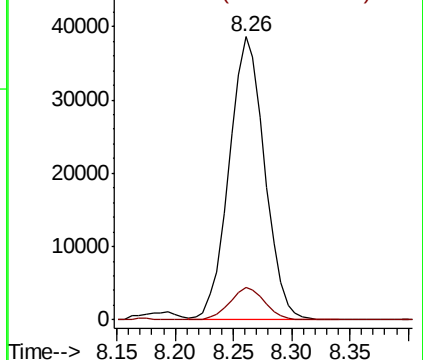


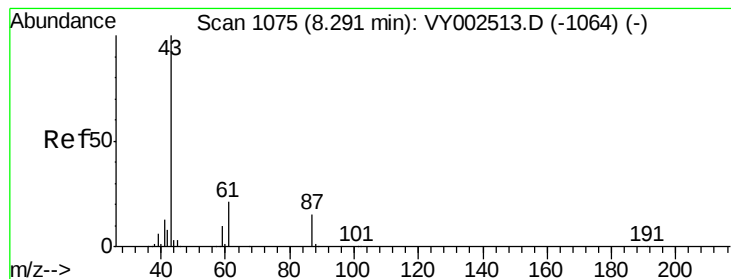
#42
1,2-Dichloroethane
Concen: 20.312 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VY002557.D
Acq: 04 May 2020 22:38

Tgt Ion:	62	Resp:	81973
Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	21.0



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





#43

Isopropyl Acetate

Concen: 21.534 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS02

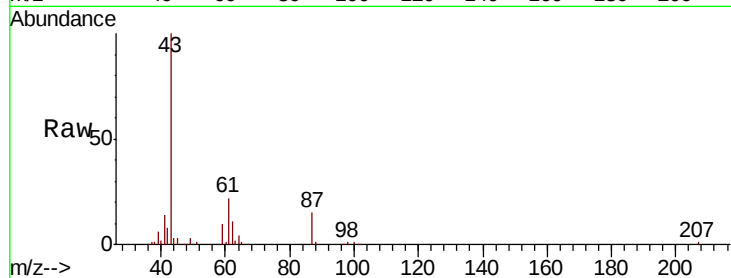
Tot Ion: 43 Resp: 103339

Ion Ratio Lower Upper

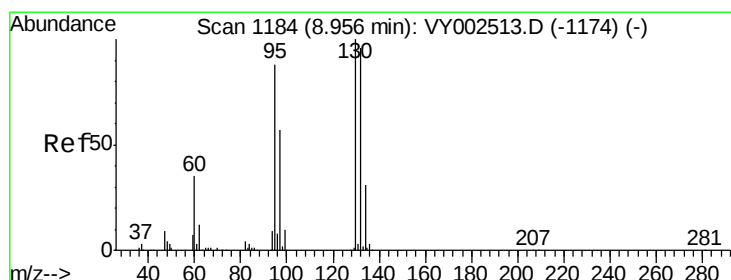
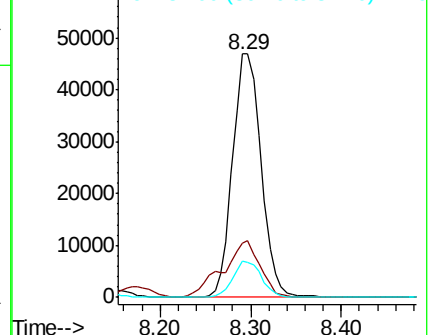
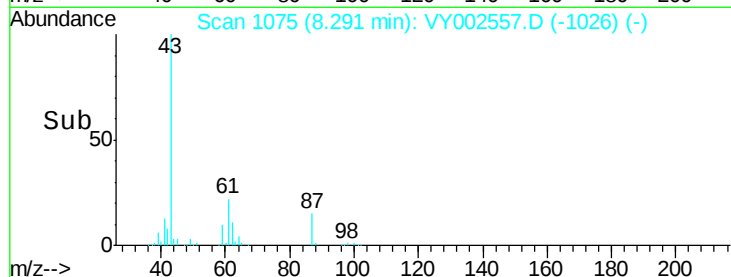
43 100

61 30.1 24.8 37.2

87 14.7 12.2 18.2



Abundance Ion 43.00 (42.70 to 43.70): VY002557.D (-1026) (-)



#44

Trichloroethene

Concen: 20.621 ug/l

RT: 8.96 min Scan# 1185

Delta R.T. 0.01 min

Lab File: VY002557.D

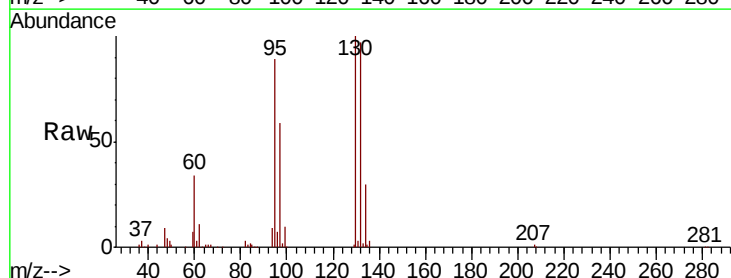
Acq: 04 May 2020 22:38

Tgt Ion: 130 Resp: 92717

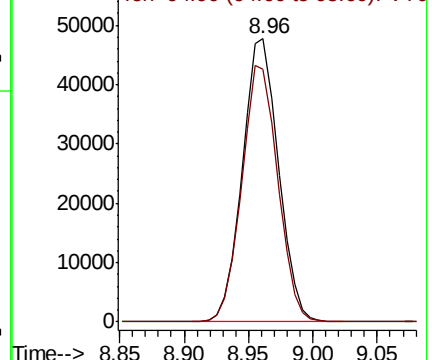
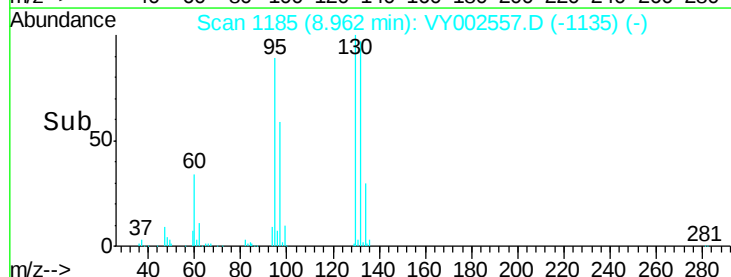
Ion Ratio Lower Upper

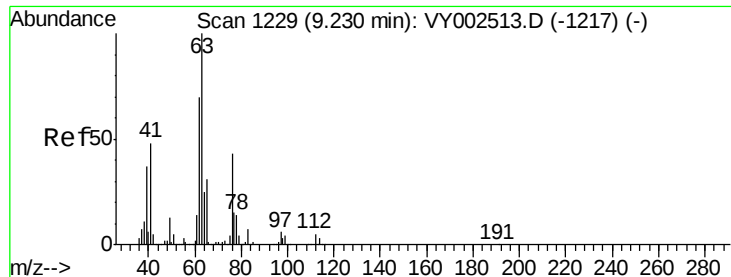
130 100

95 89.1 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): VY002557.D (-1135) (-)

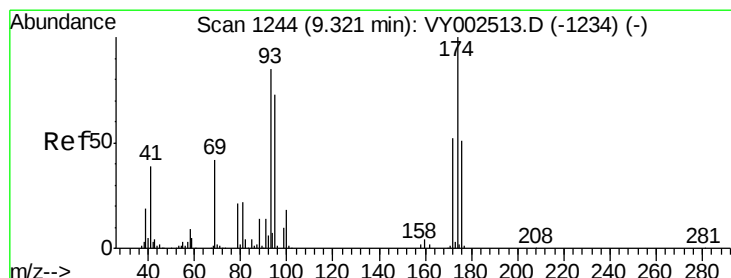
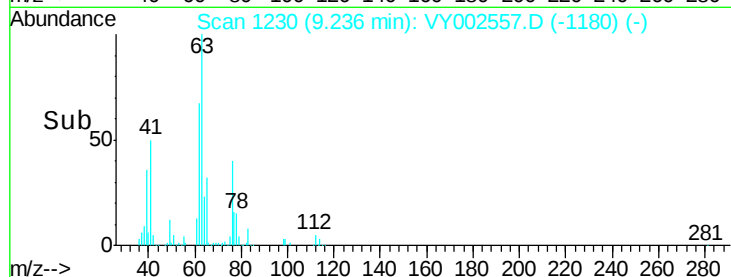
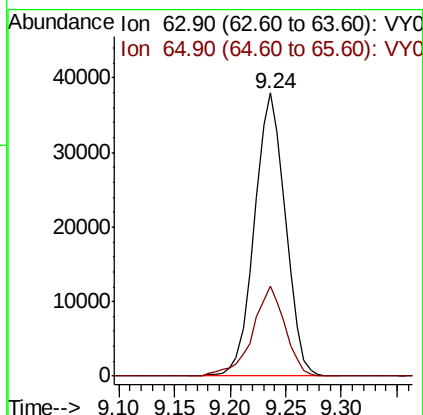
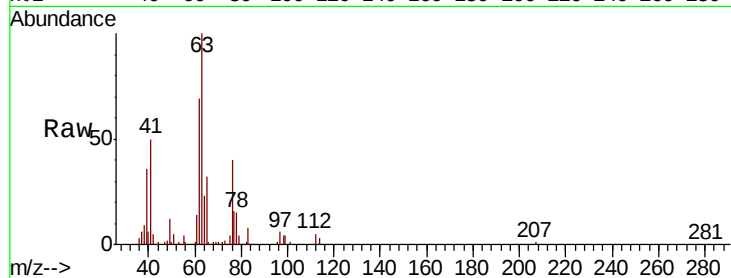




#45
 1,2-Dichloropropane
 Concen: 21.227 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VY002557.D
 Acq: 04 May 2020 22:38

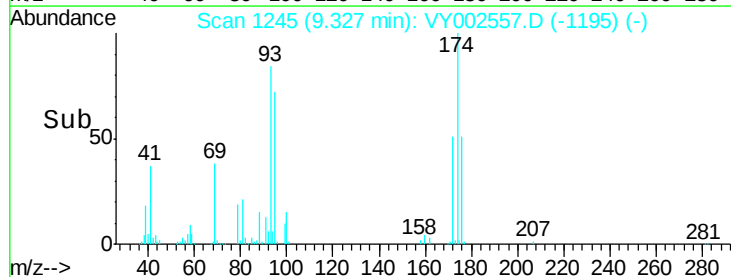
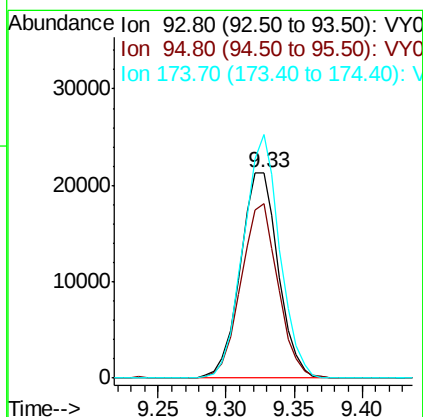
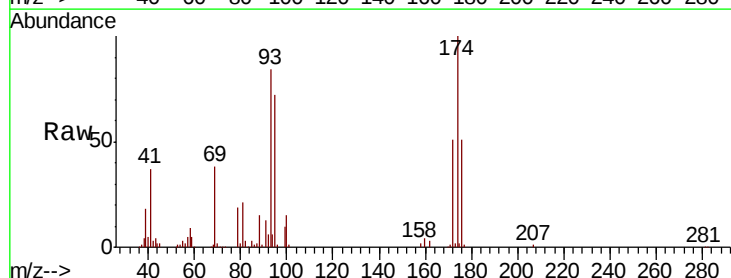
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS02

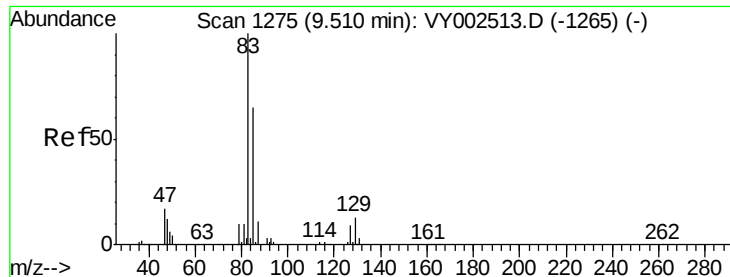
Tot Ion: 63 Resp: 73705
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.5 36.7



#46
 Dibromomethane
 Concen: 20.838 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.01 min
 Lab File: VY002557.D
 Acq: 04 May 2020 22:38

Tgt Ion: 93 Resp: 41631
 Ion Ratio Lower Upper
 93 100
 95 82.9 67.0 100.4
 174 113.7 92.7 139.1





#47

Bromodichloromethane

Concen: 20.778 ug/l

RT: 9.52 min Scan# 1276

Delta R.T. 0.01 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS02

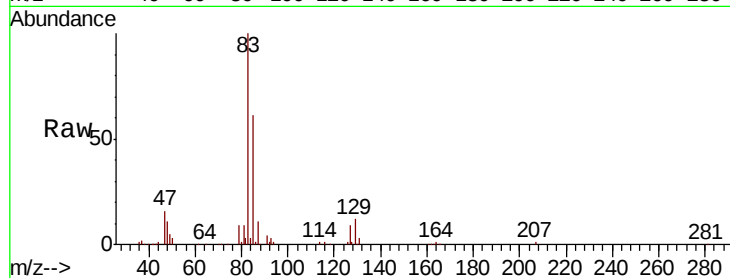
Tot Ion: 83 Resp: 100934

Ion Ratio Lower Upper

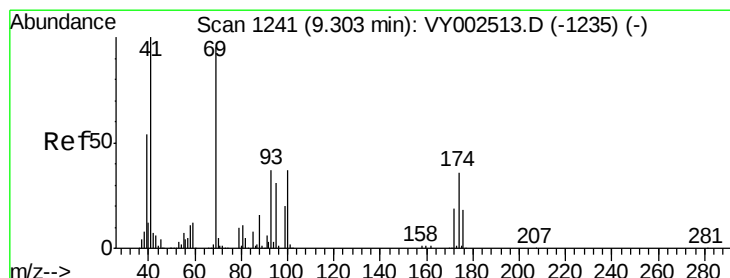
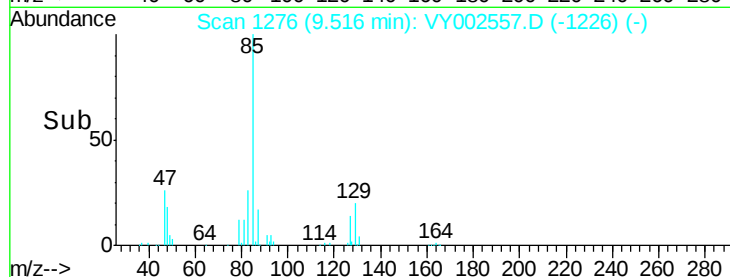
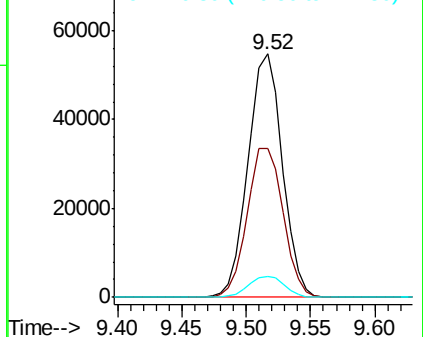
83 100

85 61.2 51.8 77.8

127 8.6 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: 20.943 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.01 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

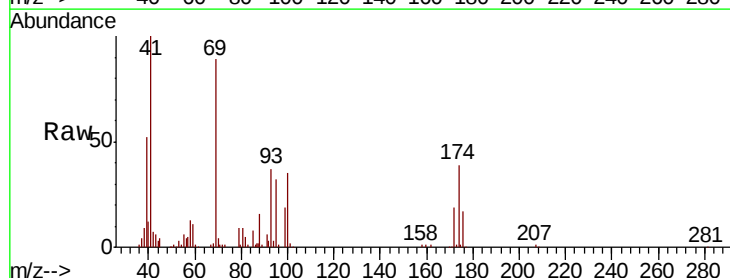
Tgt Ion: 41 Resp: 45484

Ion Ratio Lower Upper

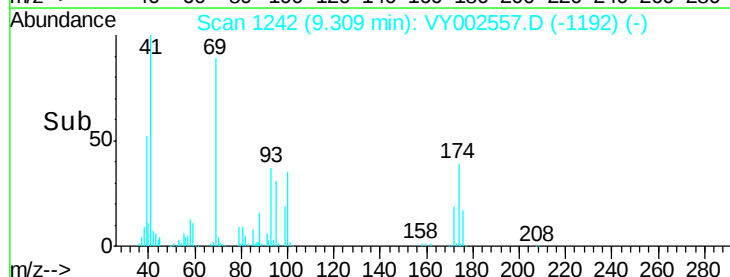
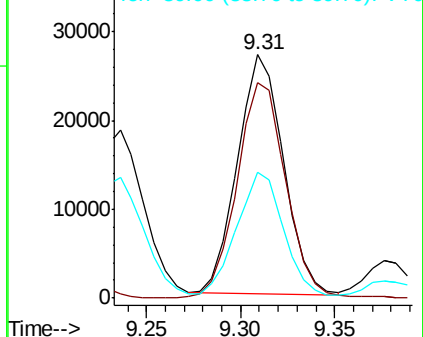
41 100

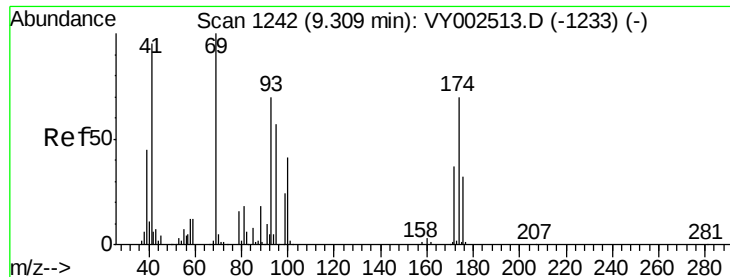
69 96.2 76.2 114.4

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

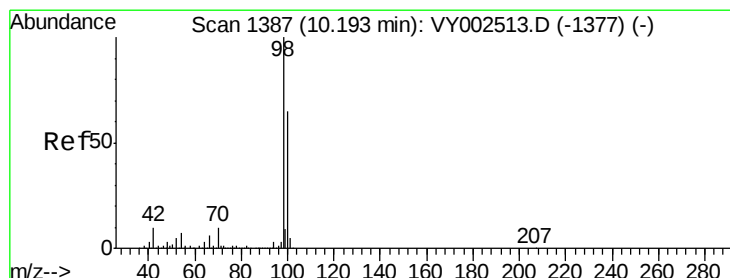
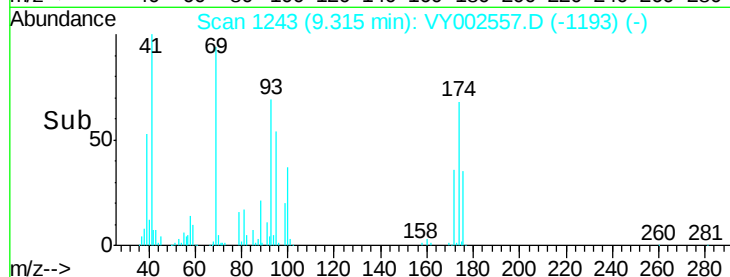
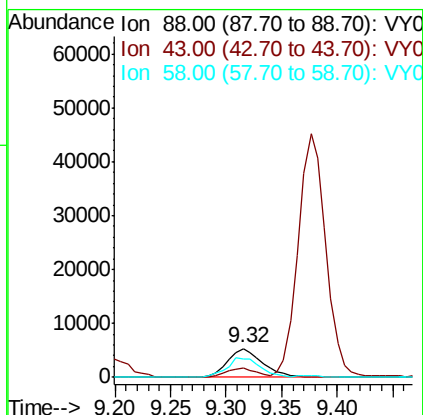
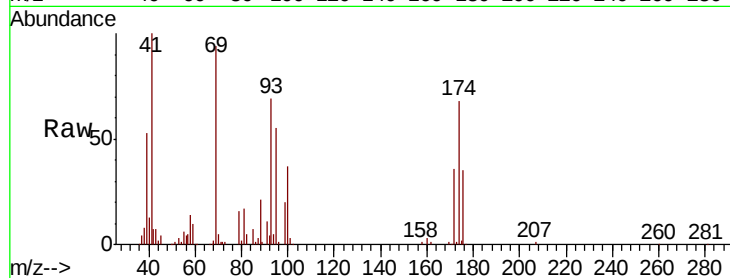




#49
1,4-Dioxane
Concen: 440.727 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY002557.D
Acq: 04 May 2020 22:38

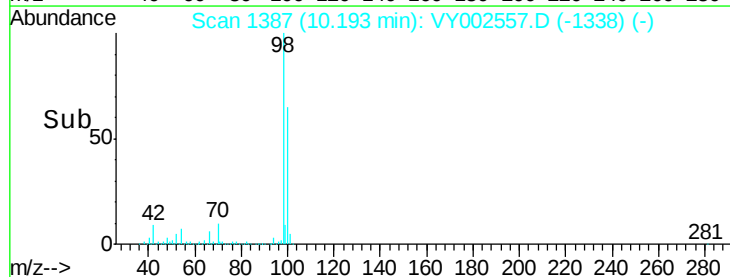
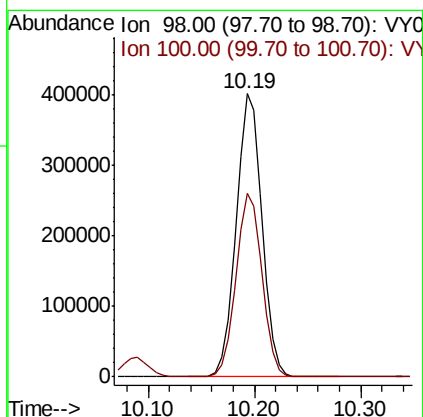
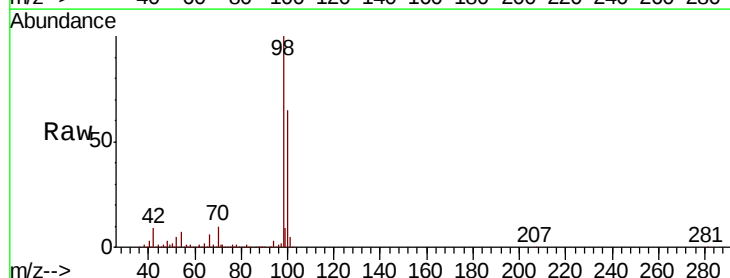
Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS02

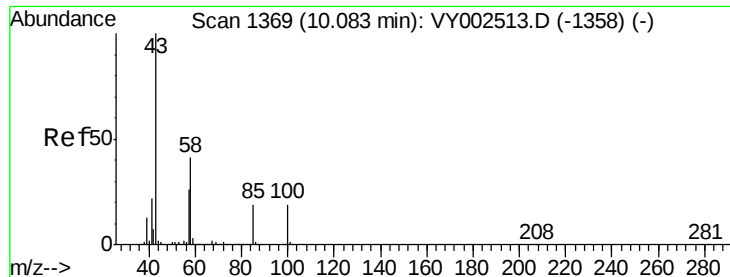
Tot Ion: 88 Resp: 11658
Ion Ratio Lower Upper
88 100
43 28.3 22.8 34.2
58 65.1 51.4 77.2



#50
Toluene-d8
Concen: 51.354 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VY002557.D
Acq: 04 May 2020 22:38

Tgt Ion: 98 Resp: 681515
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.2

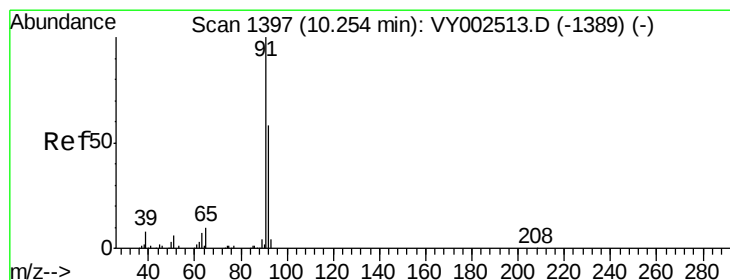
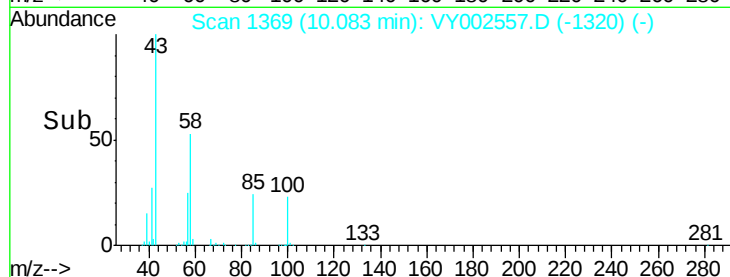
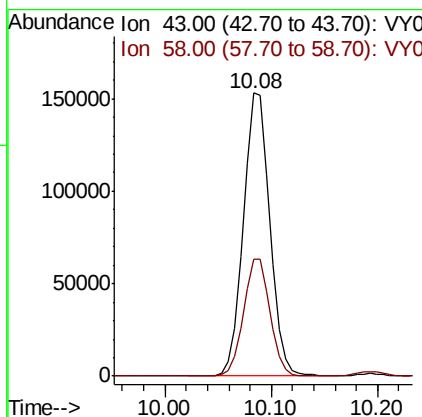
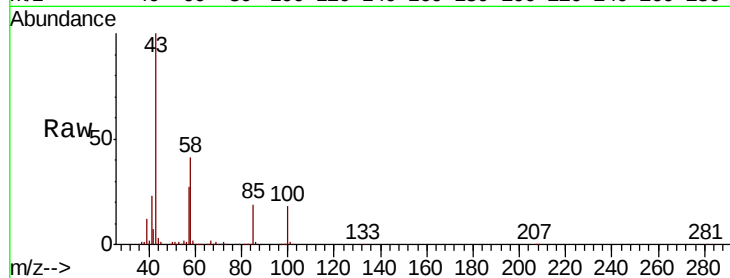




#51
4-Methyl-2-Pentanone
Concen: 108.335 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VY002557.D
Acq: 04 May 2020 22:38

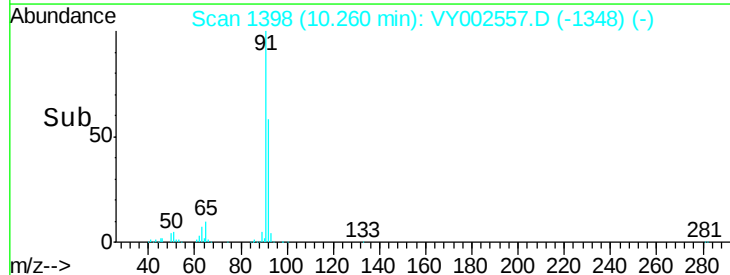
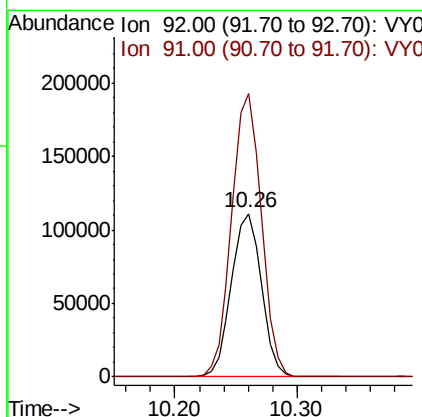
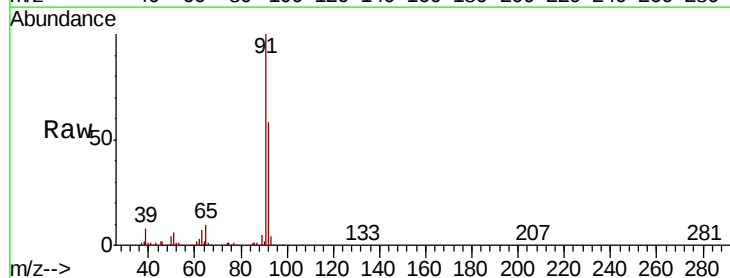
Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS02

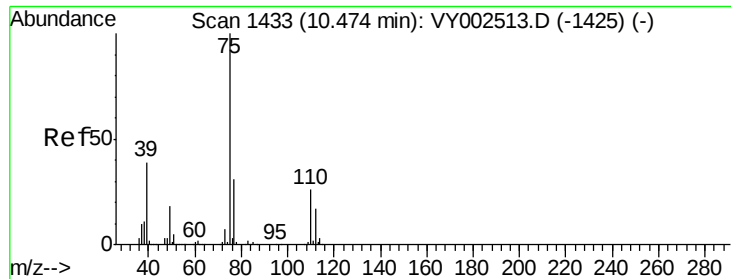
Tot Ion: 43 Resp: 267970
Ion Ratio Lower Upper
43 100
58 41.4 33.2 49.8



#52
Toluene
Concen: 20.398 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VY002557.D
Acq: 04 May 2020 22:38

Tgt Ion: 92 Resp: 188607
Ion Ratio Lower Upper
92 100
91 172.1 139.3 208.9





#53

t-1,3-Dichloropropene

Concen: 20.339 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

Instrument :

MSVOA_Y

ClientSampleId :

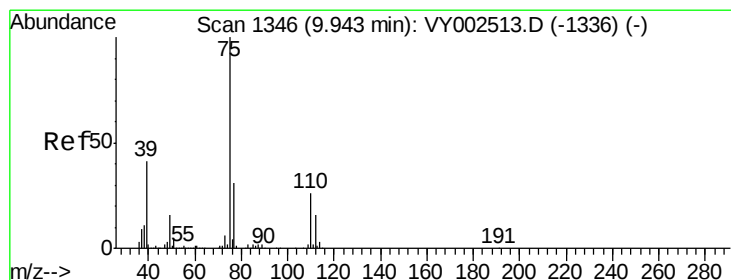
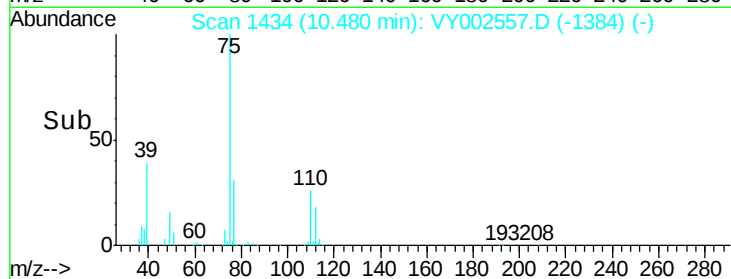
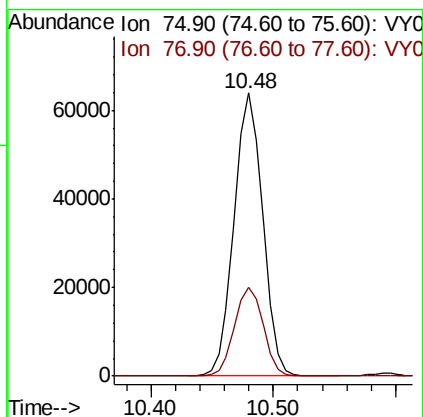
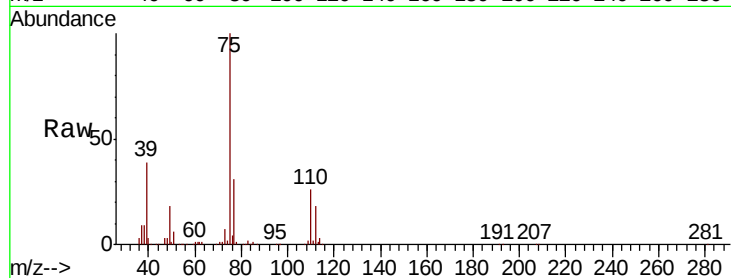
VY0504SBS02

Tot Ion: 75 Resp: 103520

Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 20.284 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

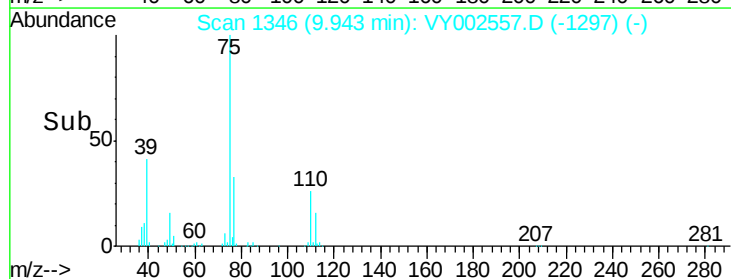
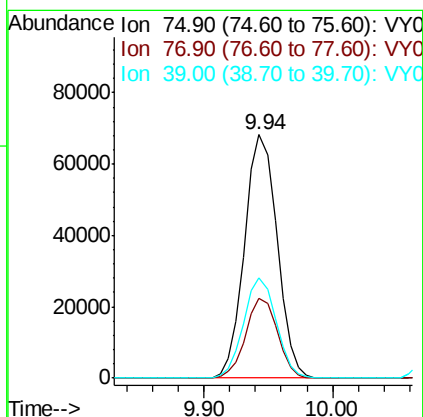
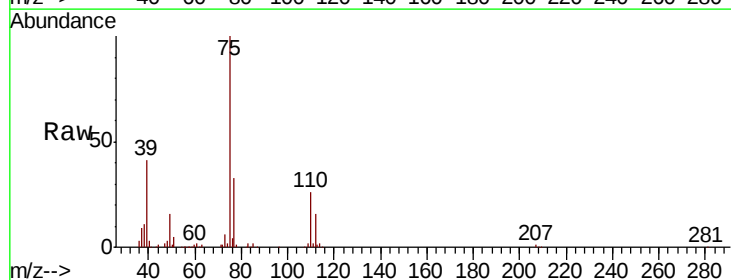
Tgt Ion: 75 Resp: 119348

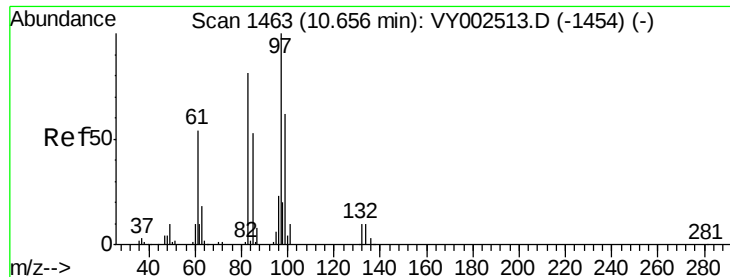
Ion Ratio Lower Upper

75 100

77 32.8 25.1 37.7

39 41.2 32.7 49.1

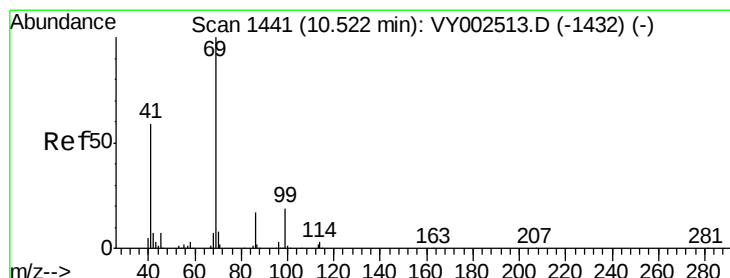
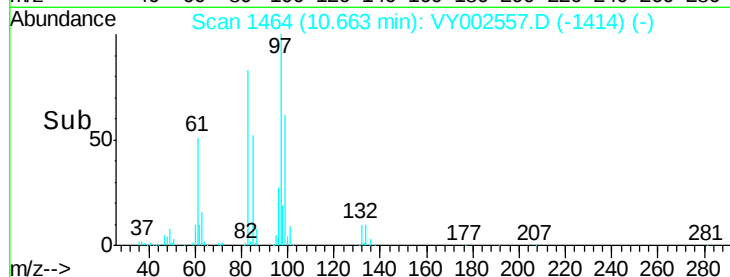
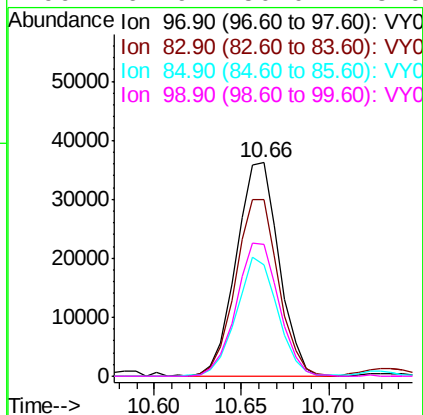
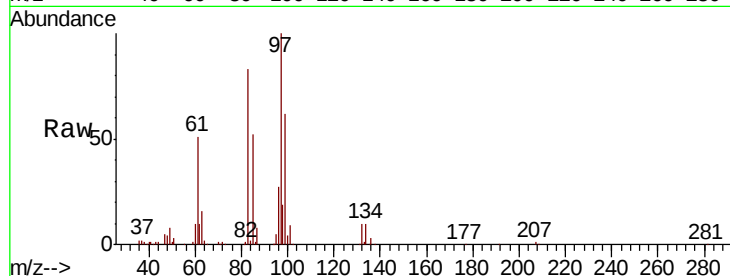




#55
 1,1,2-Trichloroethane
 Concen: 21.080 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY002557.D
 Acq: 04 May 2020 22:38

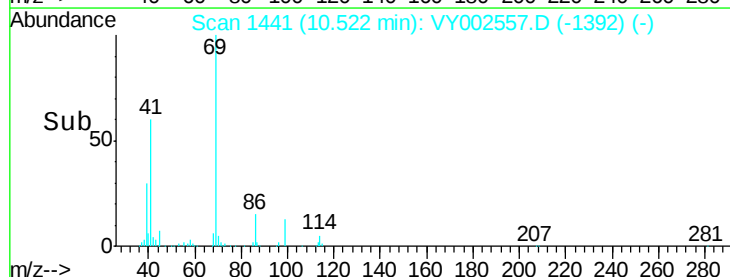
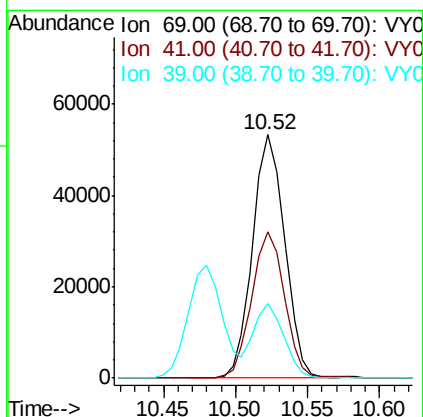
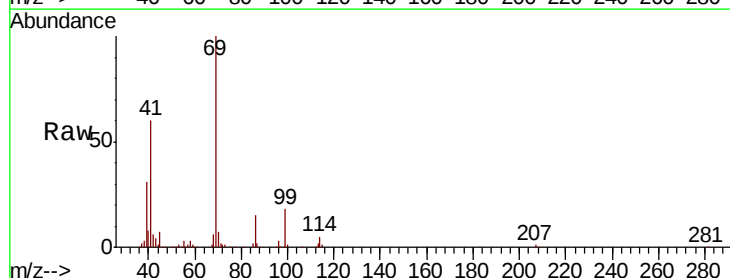
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS02

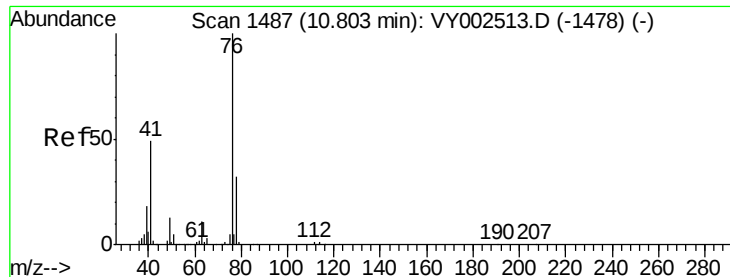
Tot Ion:	97	Resp:	61414
Ion	Ratio	Lower	Upper
97	100		
83	82.6	65.1	97.7
85	52.1	42.7	64.1
99	61.9	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 21.321 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VY002557.D
 Acq: 04 May 2020 22:38

Tgt Ion:	69	Resp:	82635
Ion	Ratio	Lower	Upper
69	100		
41	60.8	48.6	73.0
39	28.7	25.0	37.4





#57

1,3-Dichloropropane

Concen: 20.925 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

Instrument :

MSVOA_Y

ClientSampleId :

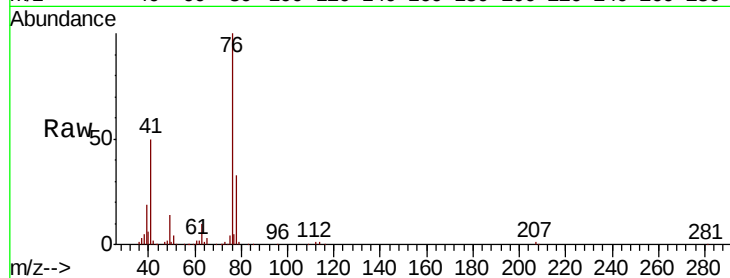
VY0504SBS02

Tot Ion: 76 Resp: 103385

Ion Ratio Lower Upper

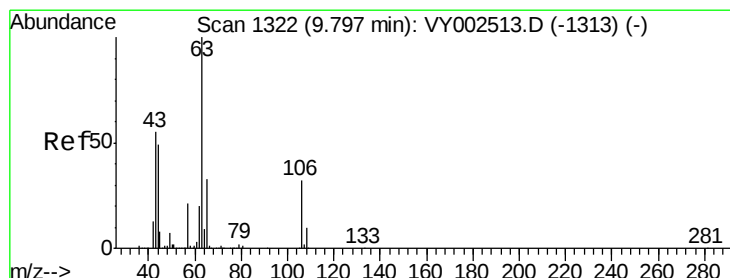
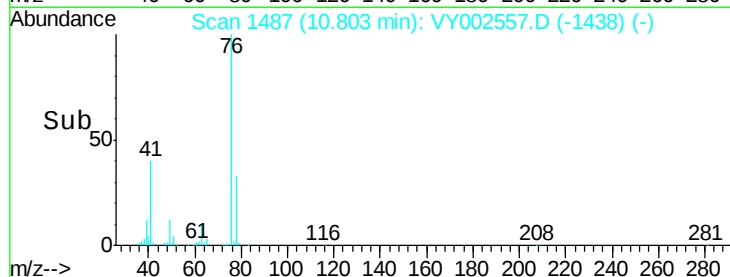
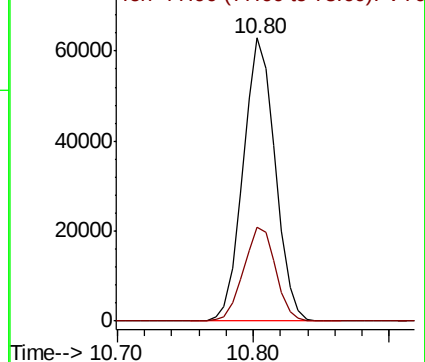
76 100

78 33.2 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 102.538 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VY002557.D

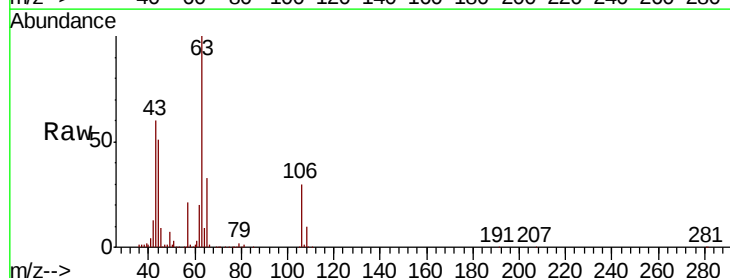
Acq: 04 May 2020 22:38

Tgt Ion: 63 Resp: 209574

Ion Ratio Lower Upper

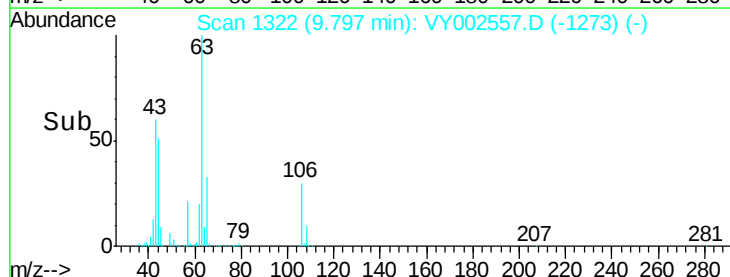
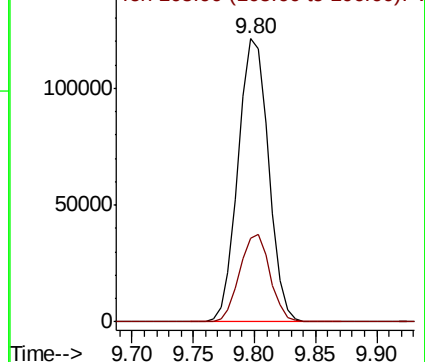
63 100

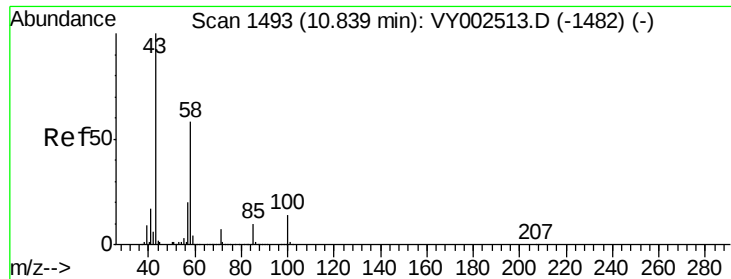
106 30.7 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

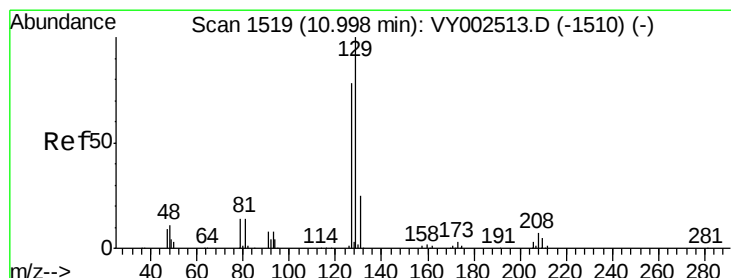
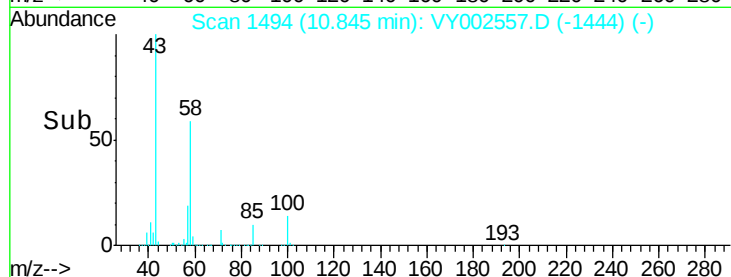
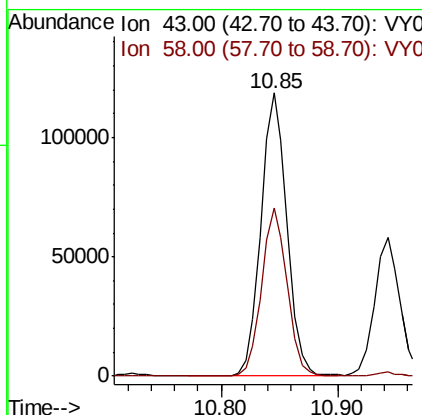
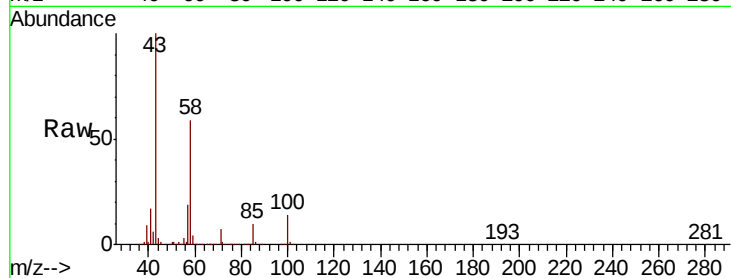




#59
2-Hexanone
Concen: 108.271 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY002557.D
Acq: 04 May 2020 22:38

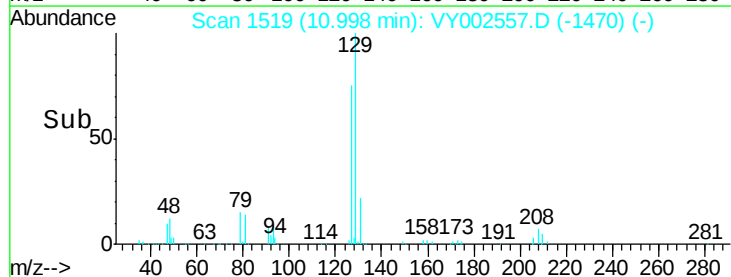
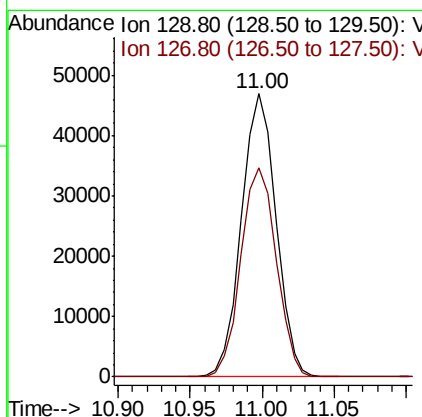
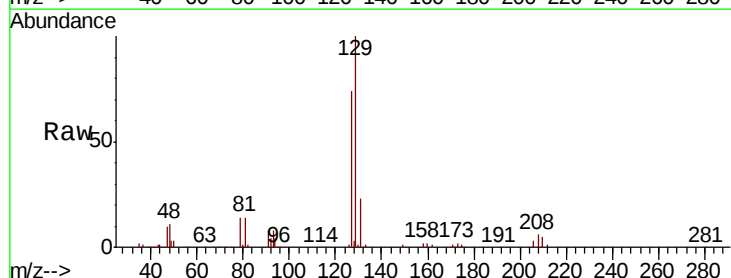
Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS02

Tot Ion: 43 Resp: 184326
Ion Ratio Lower Upper
43 100
58 58.3 29.1 87.3



#60
Dibromochloromethane
Concen: 21.075 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. -0.00 min
Lab File: VY002557.D
Acq: 04 May 2020 22:38

Tgt Ion: 129 Resp: 78092
Ion Ratio Lower Upper
129 100
127 75.8 39.0 117.0

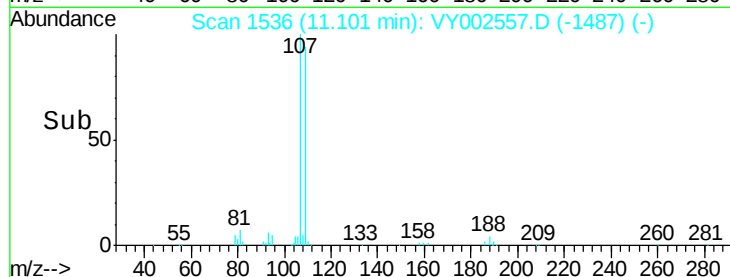
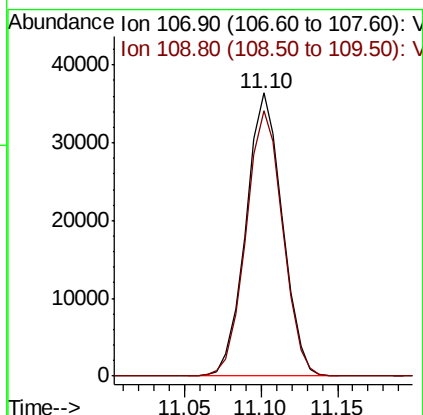
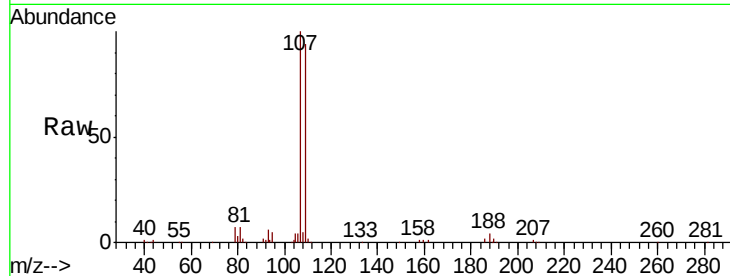




#61
 1,2-Dibromoethane
 Concen: 20.890 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: VY002557.D
 Acq: 04 May 2020 22:38

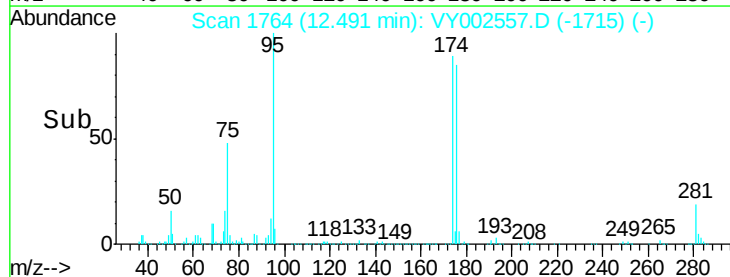
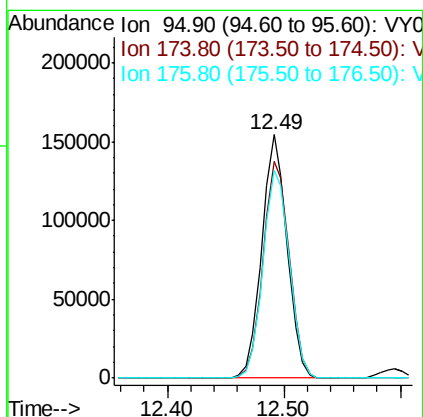
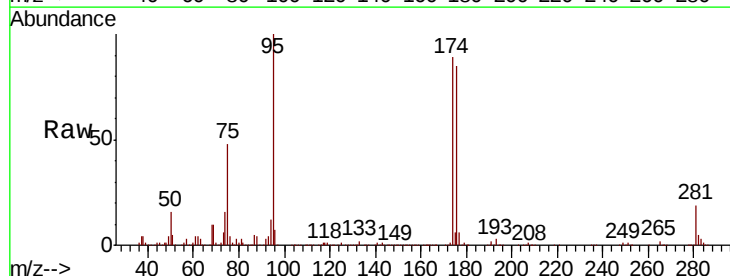
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS02

Tot Ion:107 Resp: 60261
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 51.447 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VY002557.D
 Acq: 04 May 2020 22:38

Tgt Ion: 95 Resp: 231675
 Ion Ratio Lower Upper
 95 100
 174 92.4 0.0 188.8
 176 88.9 0.0 183.2

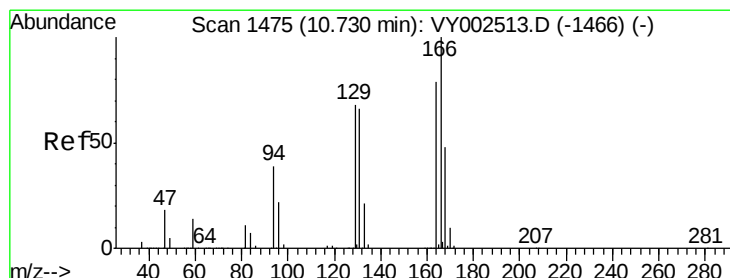
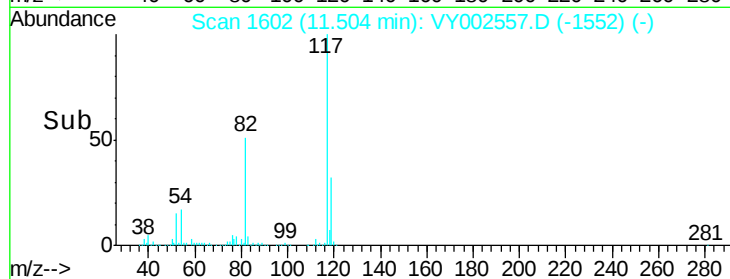
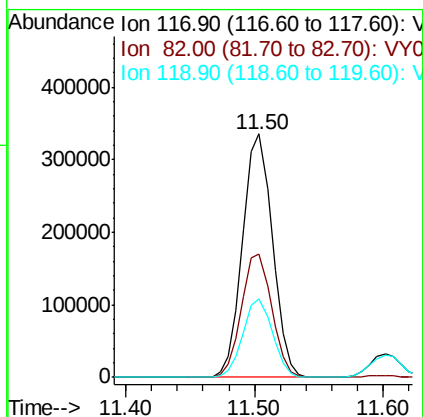
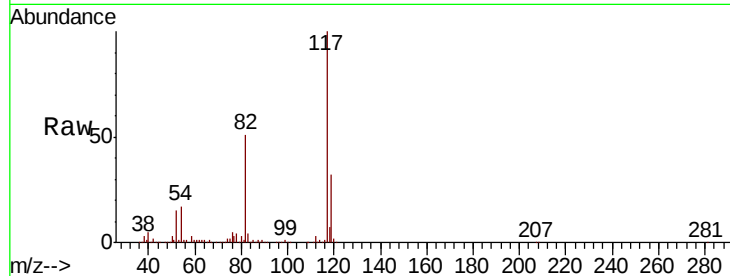




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002557.D
Acq: 04 May 2020 22:38

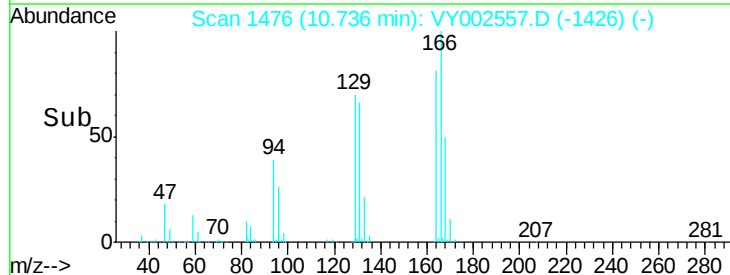
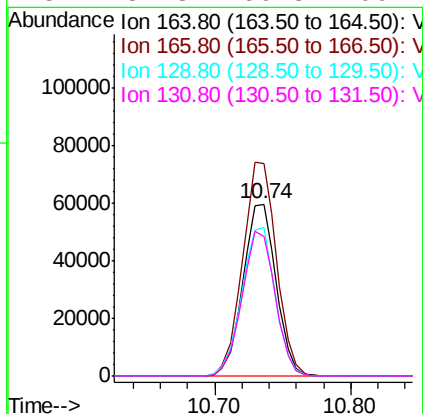
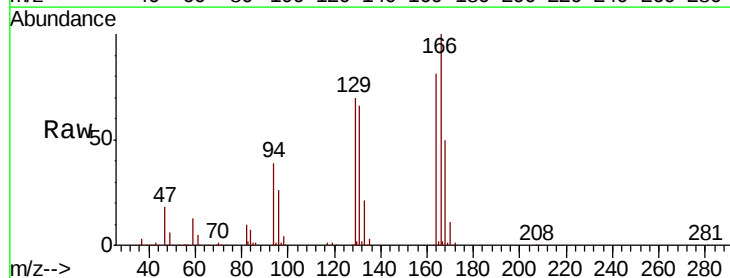
Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS02

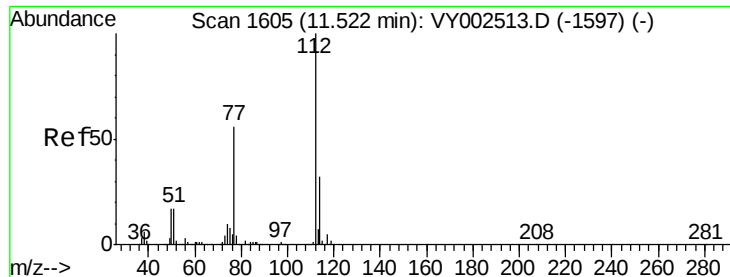
Tot Ion:117 Resp: 538272
Ion Ratio Lower Upper
117 100
82 50.6 41.3 61.9
119 32.1 26.0 39.0



#64
Tetrachloroethene
Concen: 21.183 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY002557.D
Acq: 04 May 2020 22:38

Tgt Ion:164 Resp: 101308
Ion Ratio Lower Upper
164 100
166 123.1 100.7 151.1
129 86.2 68.3 102.5
131 81.3 66.8 100.2





#65

Chlorobenzene

Concen: 20.602 ug/l

RT: 11.53 min Scan# 1606

Delta R.T. 0.01 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

Instrument :

MSVOA_Y

ClientSampleId :

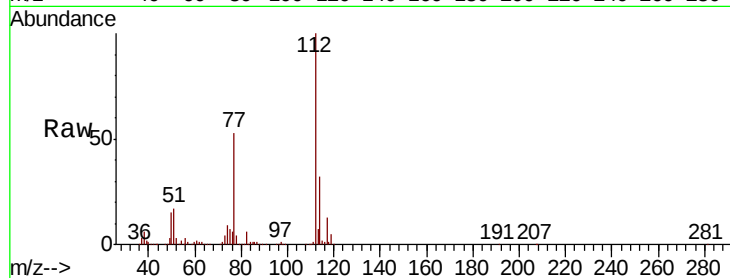
VY0504SBS02

Tot Ion:112 Resp: 210812

Ion Ratio Lower Upper

112 100

114 32.0 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.53

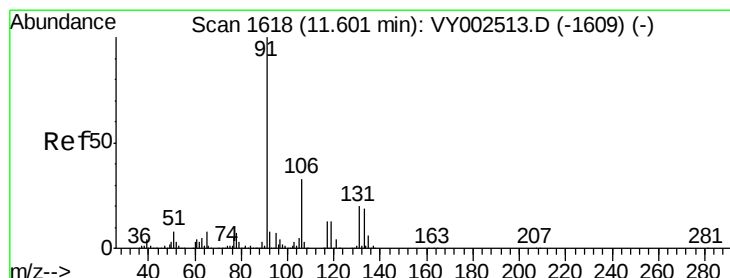
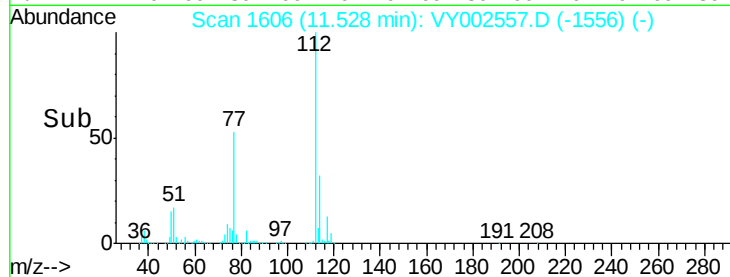
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.253 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

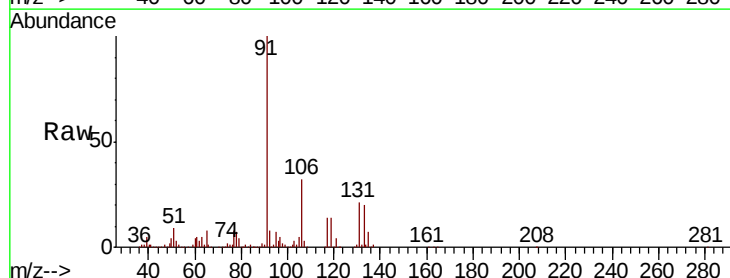
Tgt Ion:131 Resp: 80728

Ion Ratio Lower Upper

131 100

133 94.0 48.1 144.4

119 64.7 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

11.60

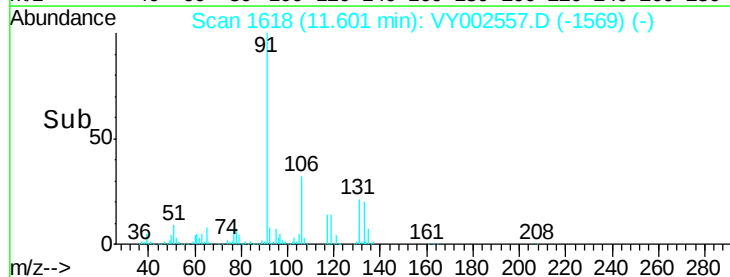
150000

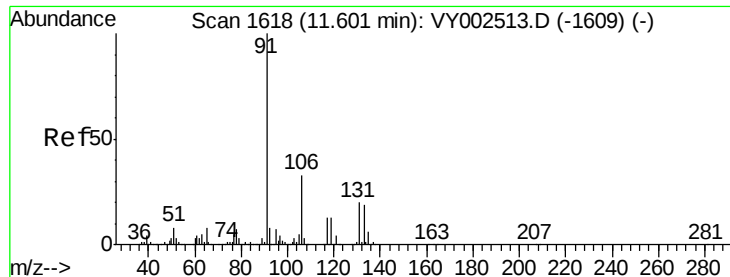
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 20.277 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

Instrument :

MSVOA_Y

ClientSampleId :

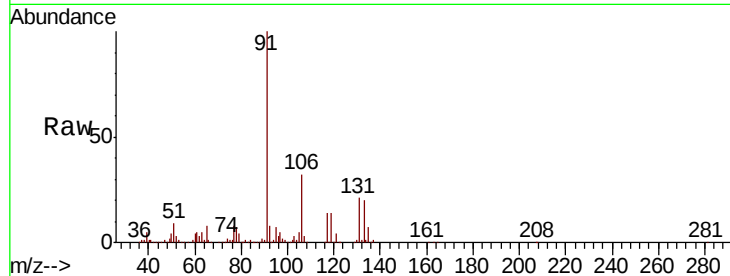
VY0504SBS02

Tot Ion: 91 Resp: 364458

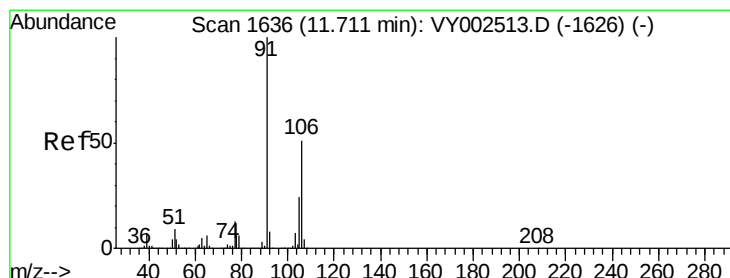
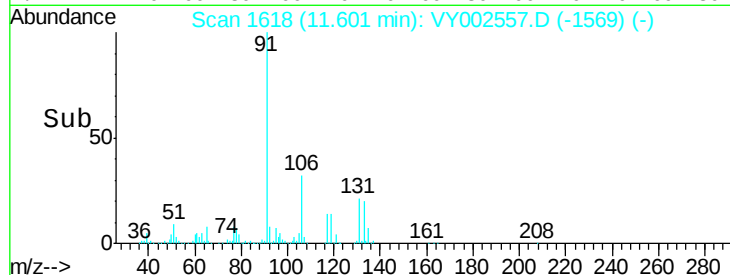
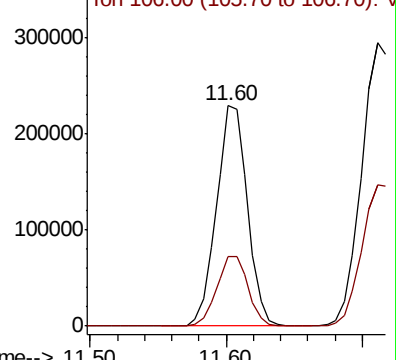
Ion Ratio Lower Upper

91 100

106 31.8 26.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VY0



#68

m/p-Xylenes

Concen: 39.685 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VY002557.D

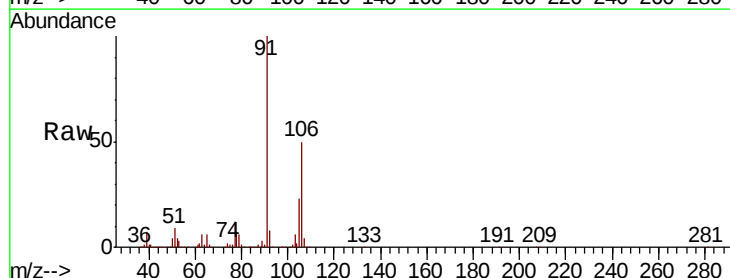
Acq: 04 May 2020 22:38

Tgt Ion: 106 Resp: 275992

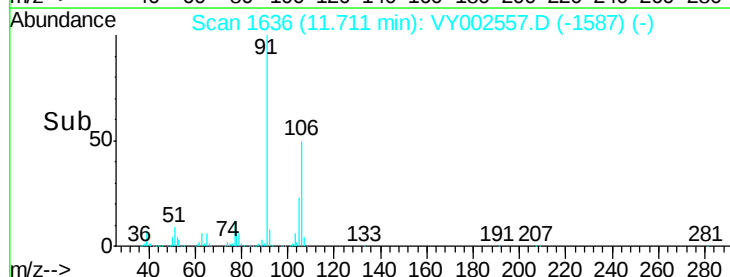
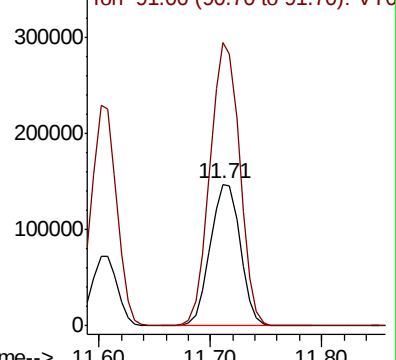
Ion Ratio Lower Upper

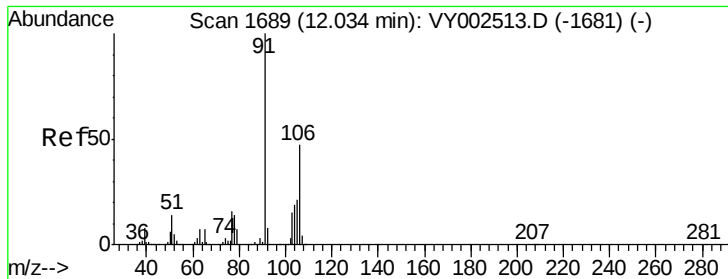
106 100

91 197.5 155.2 232.8



Abundance Ion 106.00 (105.70 to 106.70): V

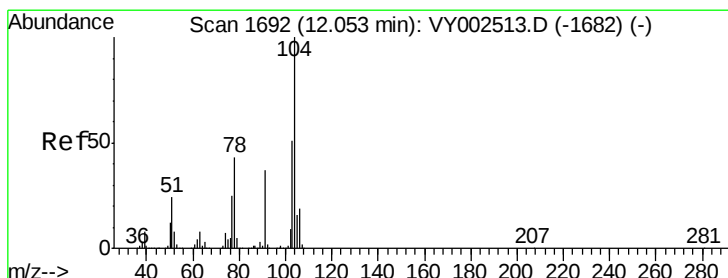
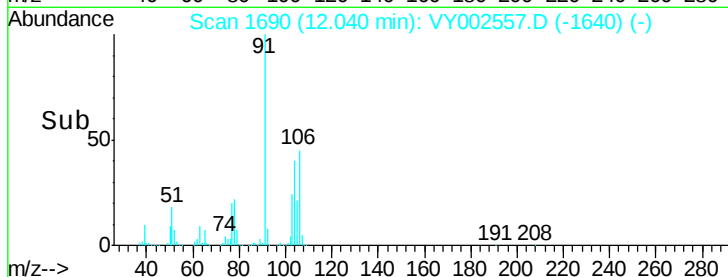
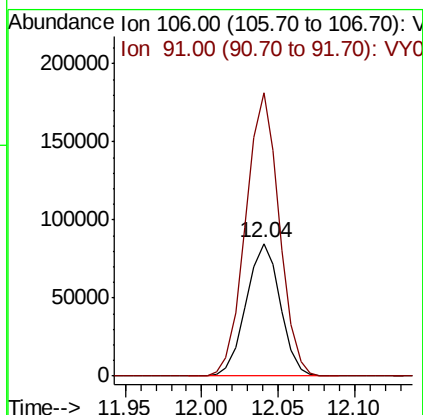
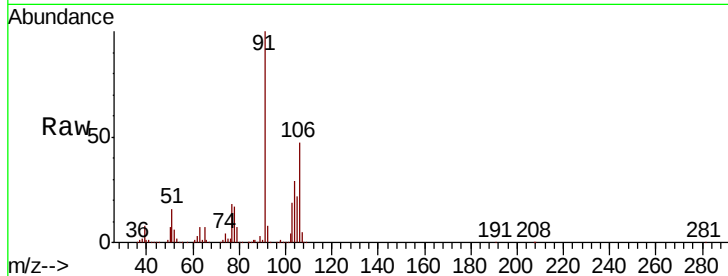




#69
o-Xylene
Concen: 20.194 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY002557.D
Acq: 04 May 2020 22:38

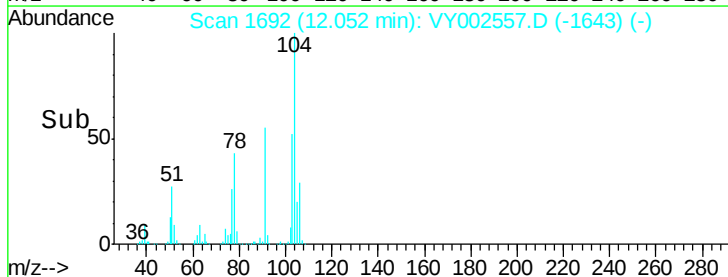
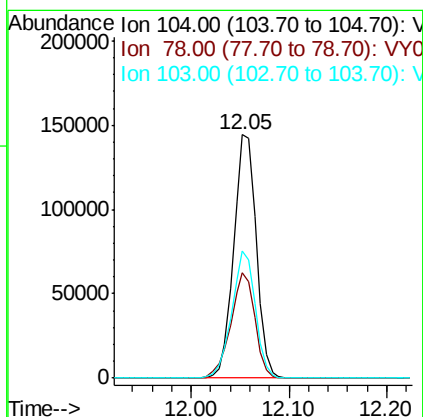
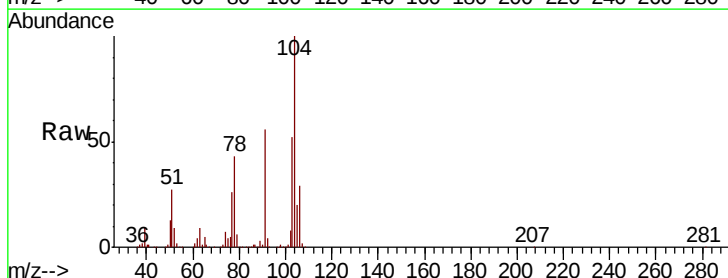
Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS02

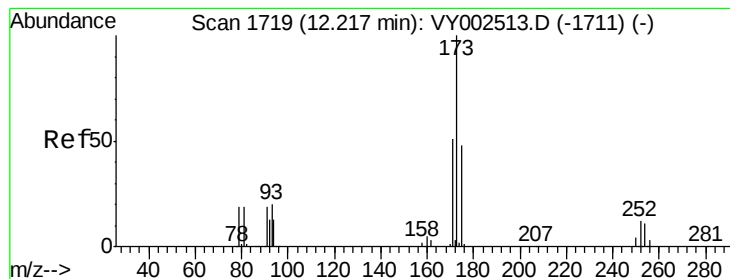
Tot Ion:106 Resp: 131496
Ion Ratio Lower Upper
106 100
91 209.9 103.8 311.3



#70
Styrene
Concen: 20.745 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VY002557.D
Acq: 04 May 2020 22:38

Tgt Ion:104 Resp: 230935
Ion Ratio Lower Upper
104 100
78 45.9 37.4 56.0
103 54.2 43.9 65.9





#71

Bromoform

Concen: 21.168 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.00 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS02

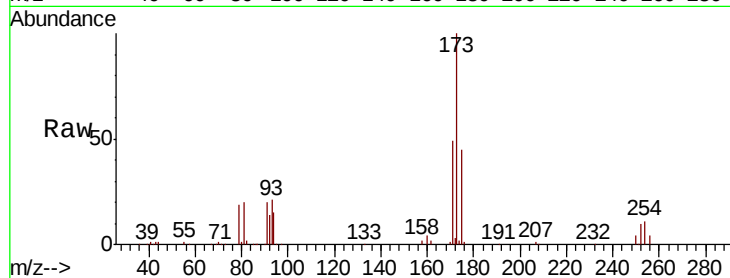
Tot Ion:173 Resp: 49905

Ion Ratio Lower Upper

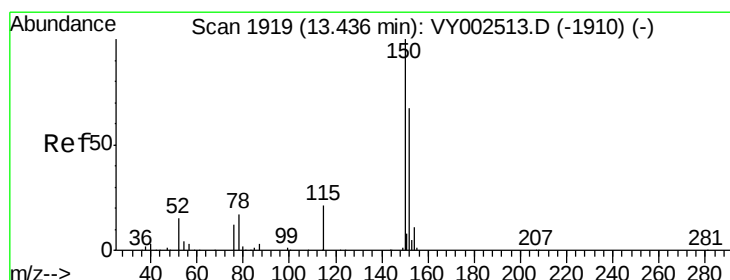
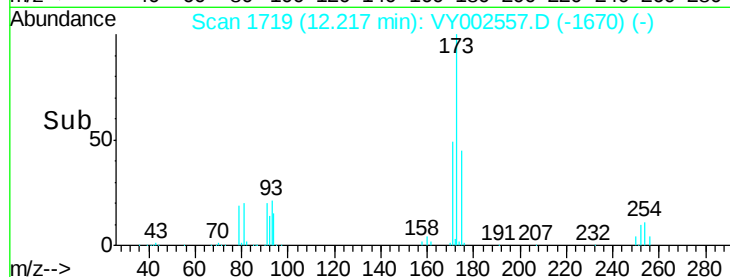
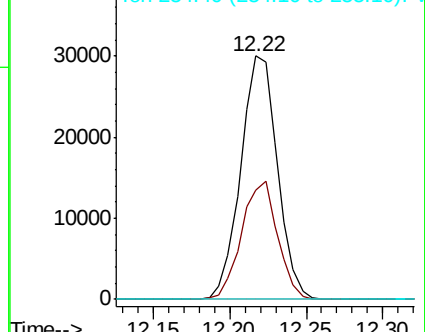
173 100

175 47.6 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: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

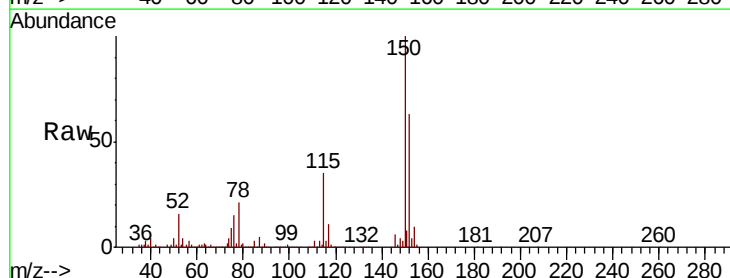
Tgt Ion:152 Resp: 270330

Ion Ratio Lower Upper

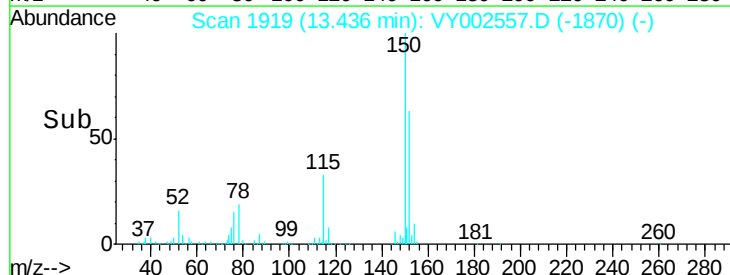
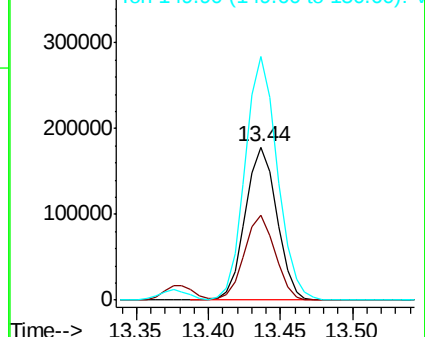
152 100

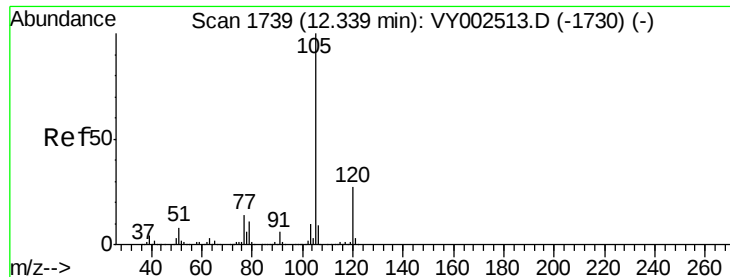
115 54.3 27.5 82.4

150 163.1 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: 20.612 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

Instrument :

MSVOA_Y

ClientSampleId :

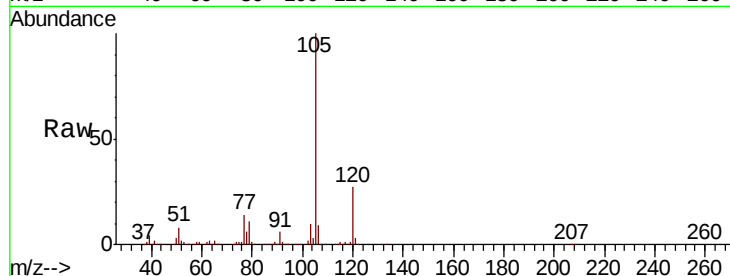
VY0504SBS02

Tot Ion:105 Resp: 361128

Ion Ratio Lower Upper

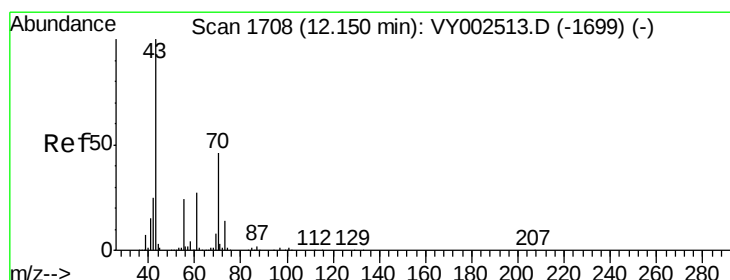
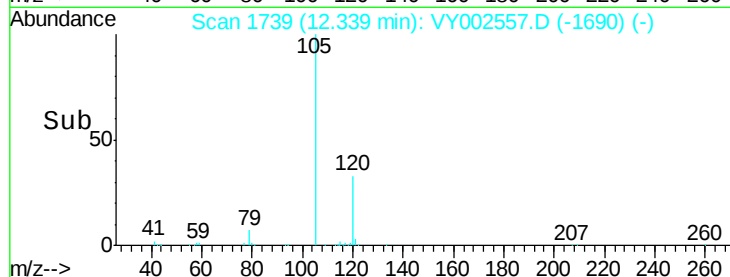
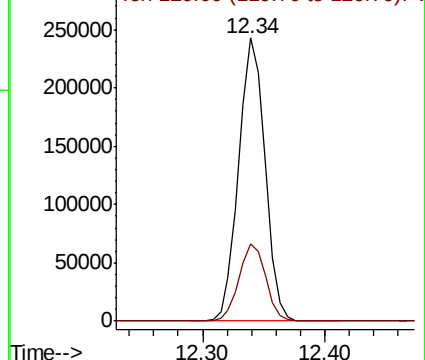
105 100

120 27.6 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.122 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

Tgt Ion: 43 Resp: 93233

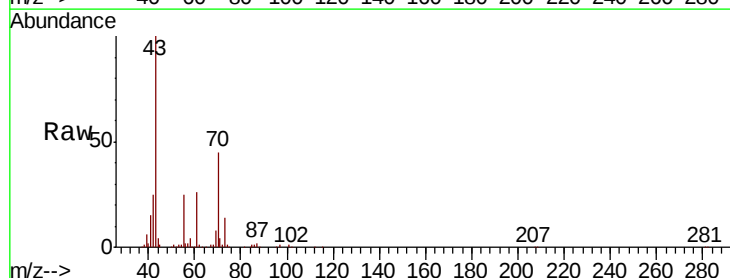
Ion Ratio Lower Upper

43 100

70 46.6 36.7 55.1

55 25.1 19.2 28.8

61 26.2 21.1 31.7

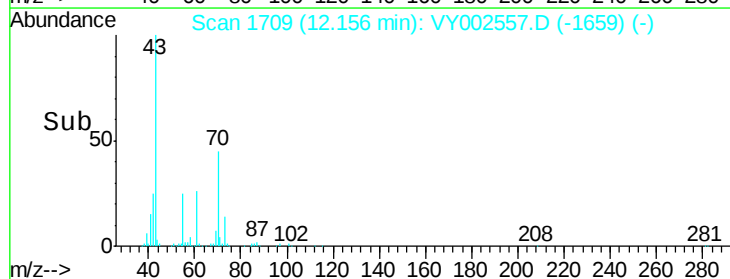
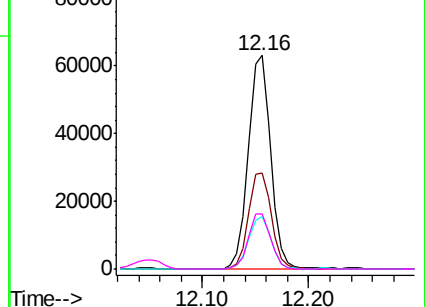


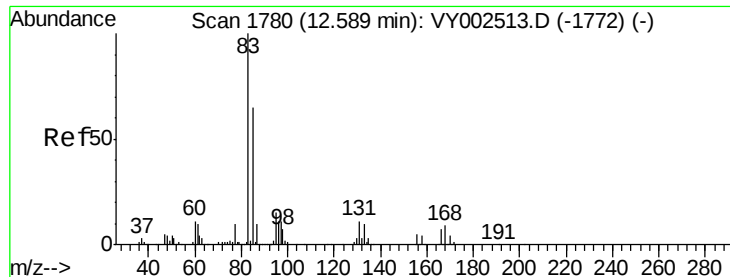
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.310 ug/l

RT: 12.60 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS02

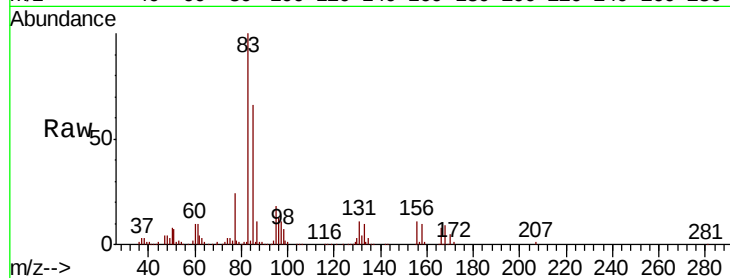
Tot Ion: 83 Resp: 56591

Ion Ratio Lower Upper

83 100

131 11.4 5.9 17.8

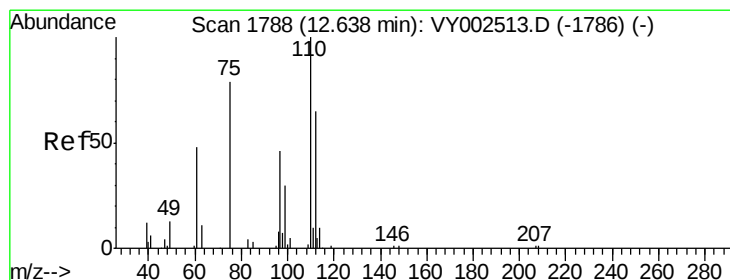
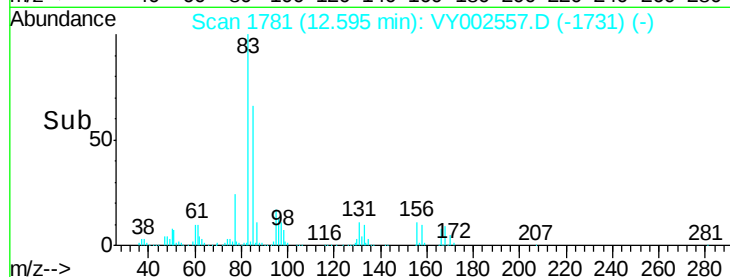
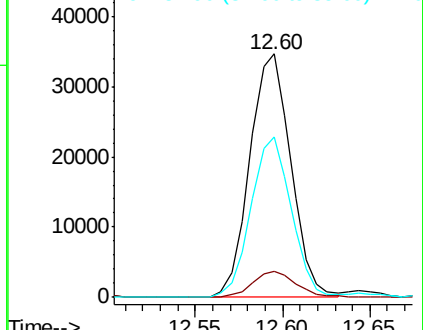
85 64.8 31.9 95.9



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: 37.596 ug/l

RT: 12.64 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VY002557.D

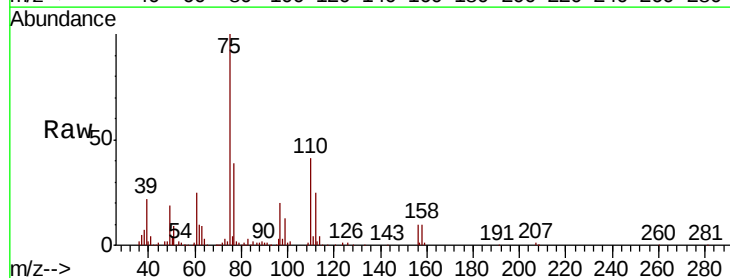
Acq: 04 May 2020 22:38

Tgt Ion: 75 Resp: 90318

Ion Ratio Lower Upper

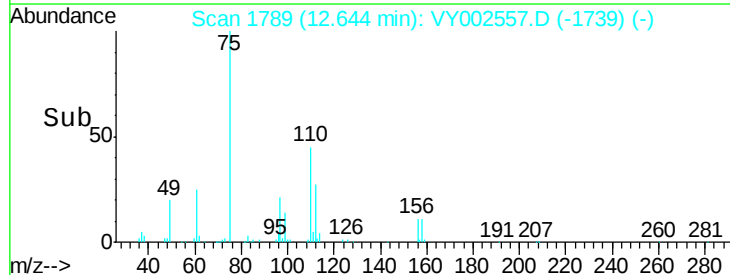
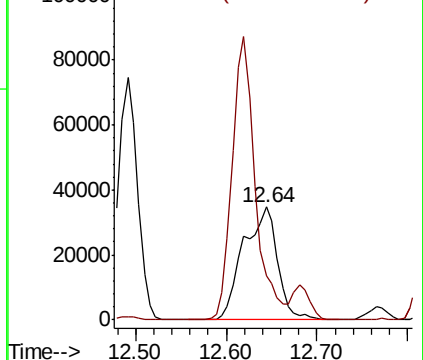
75 100

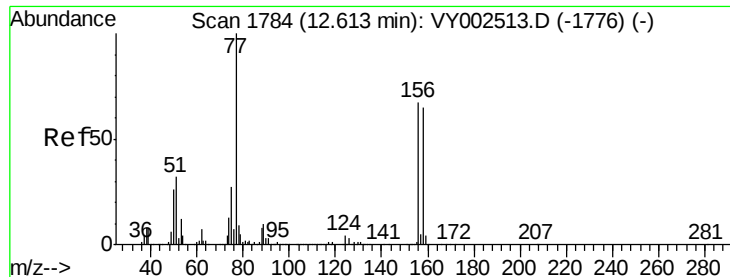
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 21.111 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS02

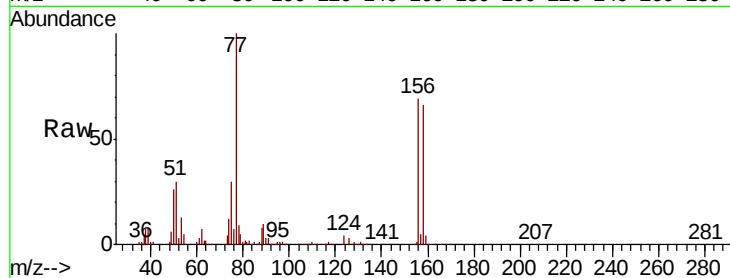
Tot Ion:156 Resp: 92405

Ion Ratio Lower Upper

156 100

77 168.0 82.0 245.8

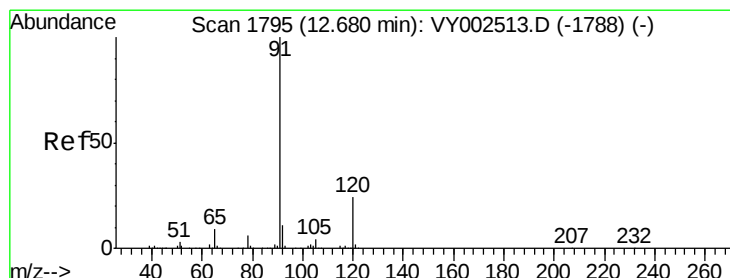
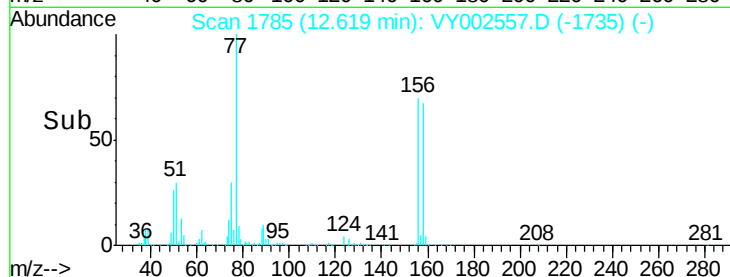
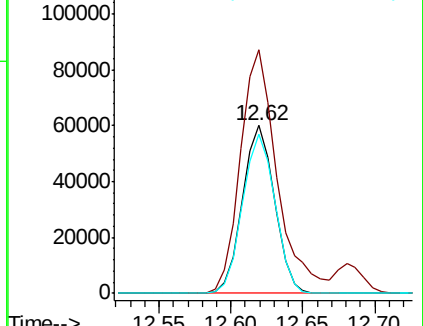
158 96.4 48.5 145.6



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: 20.375 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VY002557.D

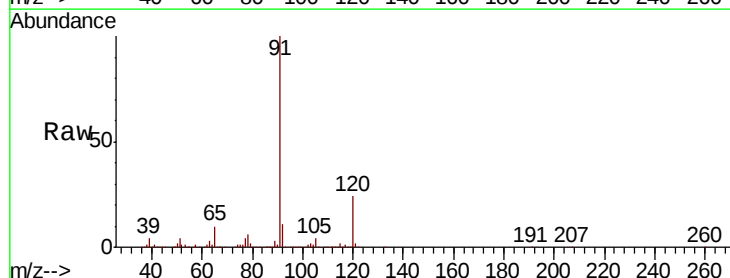
Acq: 04 May 2020 22:38

Tgt Ion: 91 Resp: 414265

Ion Ratio Lower Upper

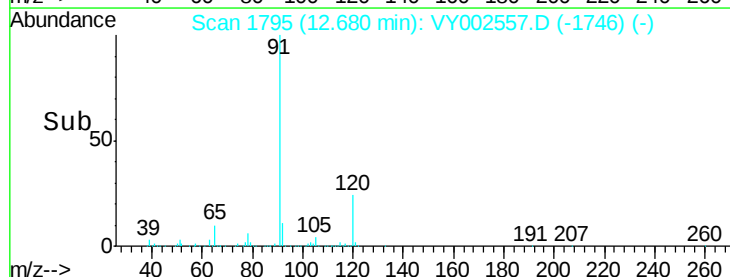
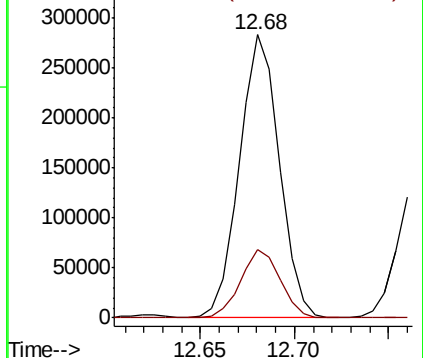
91 100

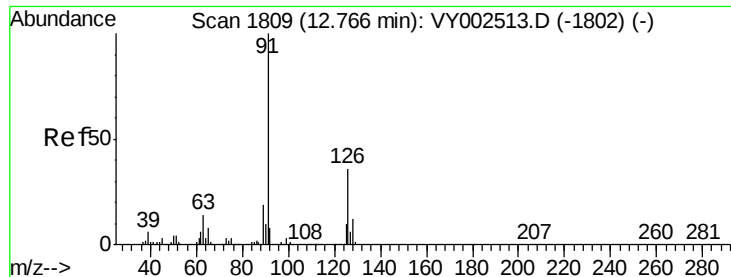
120 24.0 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

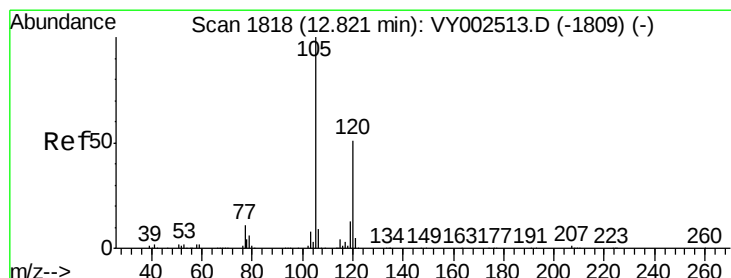
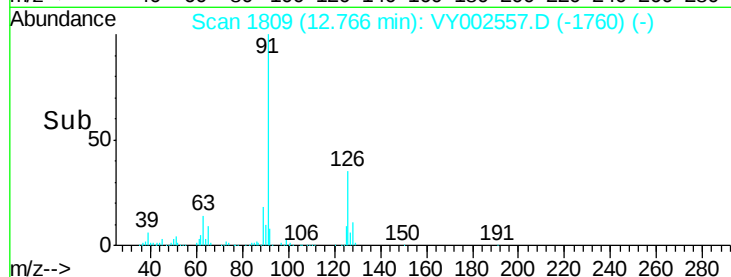
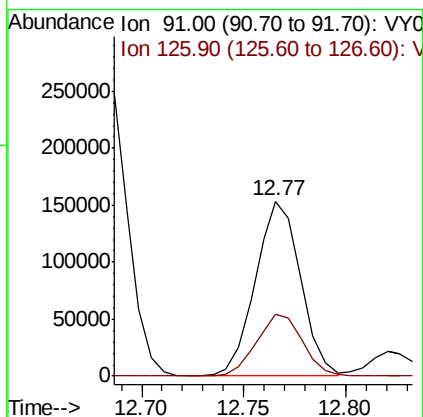
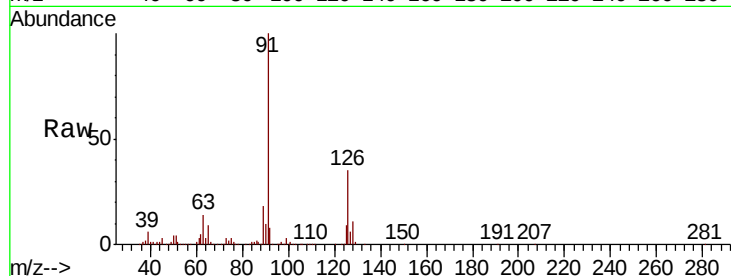




#79
 2-Chlorotoluene
 Concen: 21.018 ug/l
 RT: 12.77 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VY002557.D
 Acq: 04 May 2020 22:38

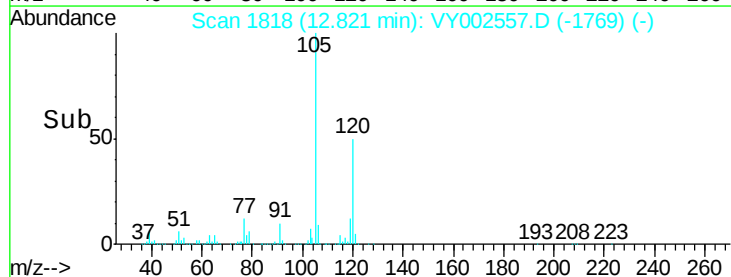
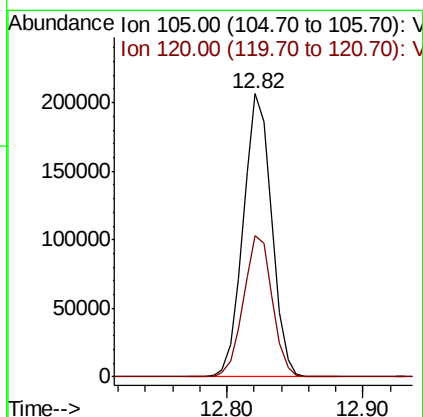
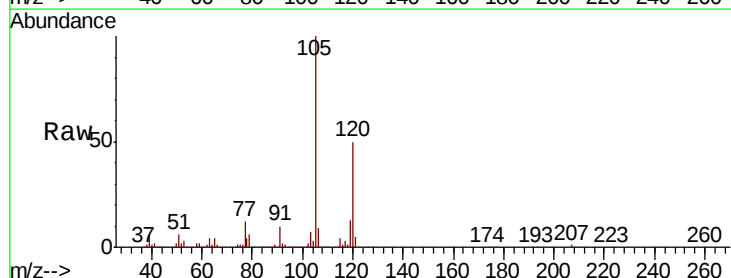
Instrument :
 MSVOA_Y
 ClientSampled :
 VY0504SBS02

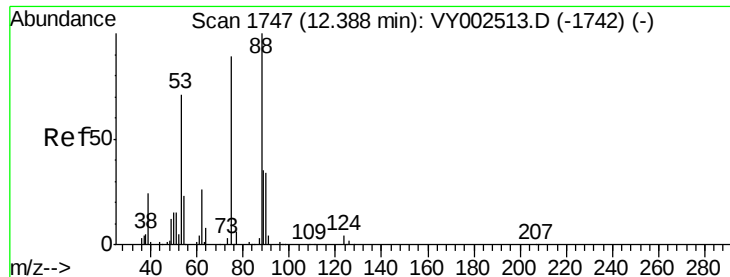
Tot Ion: 91 Resp: 236706
 Ion Ratio Lower Upper
 91 100
 126 36.2 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 20.713 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VY002557.D
 Acq: 04 May 2020 22:38

Tgt Ion: 105 Resp: 300802
 Ion Ratio Lower Upper
 105 100
 120 50.7 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 19.578 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS02

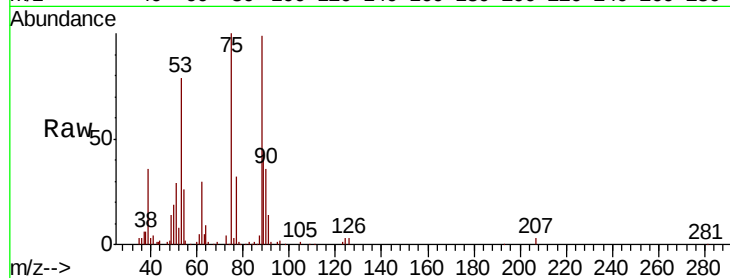
Tot Ion: 75 Resp: 23456

Ion Ratio Lower Upper

75 100

53 83.6 67.4 101.0

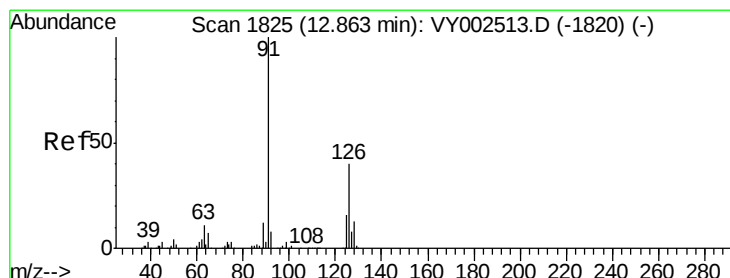
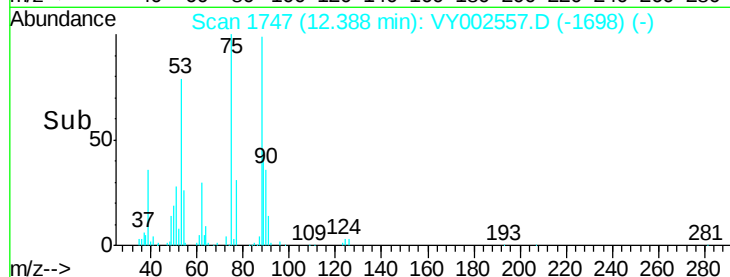
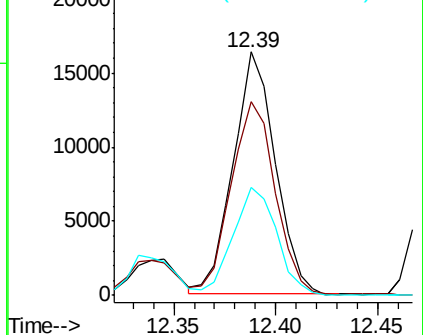
89 46.2 37.4 56.0



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: 20.562 ug/l

RT: 12.86 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VY002557.D

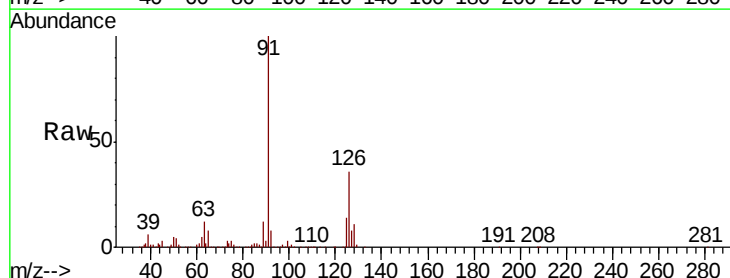
Acq: 04 May 2020 22:38

Tgt Ion: 91 Resp: 243251

Ion Ratio Lower Upper

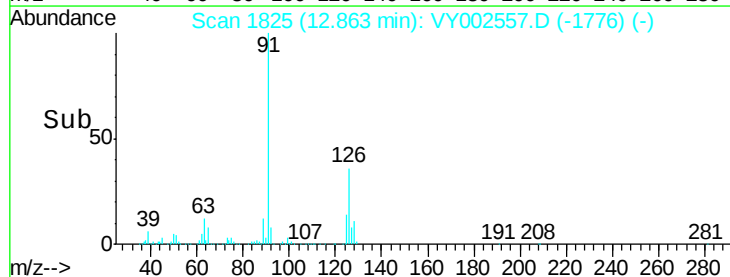
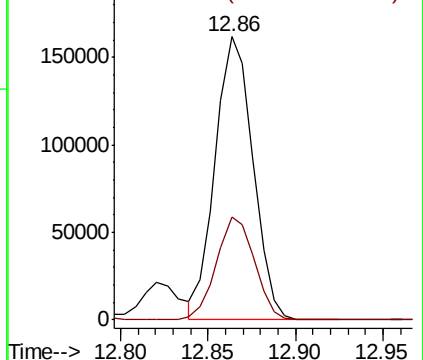
91 100

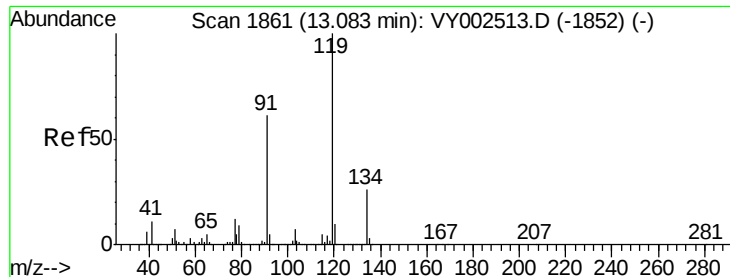
126 36.7 18.5 55.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 21.144 ug/l

RT: 13.08 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS02

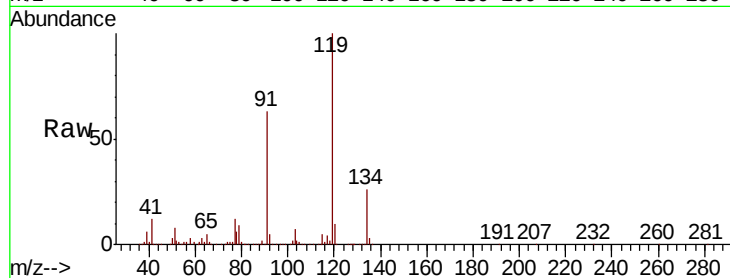
Tot Ion:119 Resp: 269250

Ion Ratio Lower Upper

119 100

91 60.7 30.6 91.6

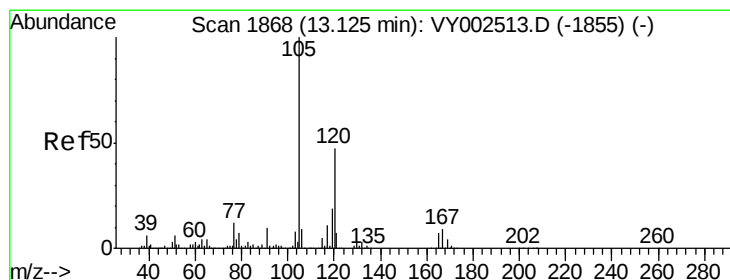
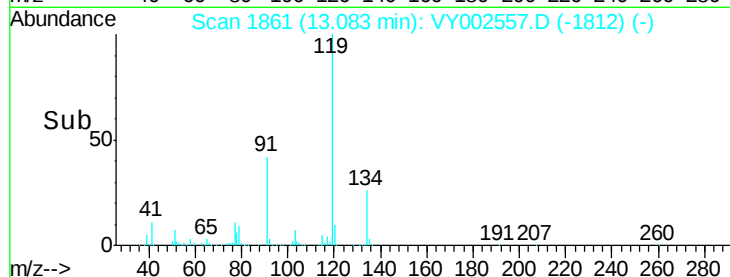
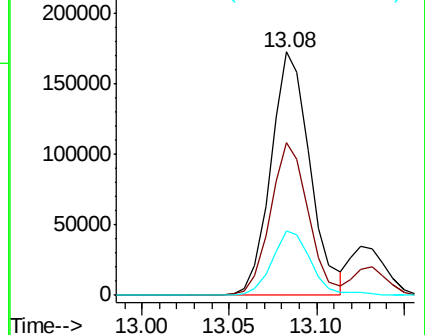
134 26.6 13.5 40.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VY0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.880 ug/l

RT: 13.13 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VY002557.D

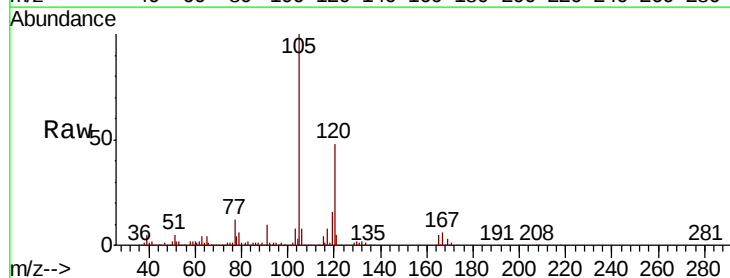
Acq: 04 May 2020 22:38

Tgt Ion:105 Resp: 302202

Ion Ratio Lower Upper

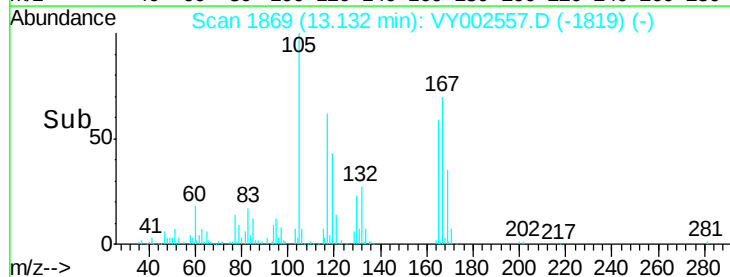
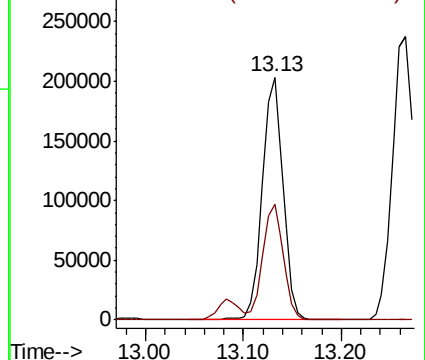
105 100

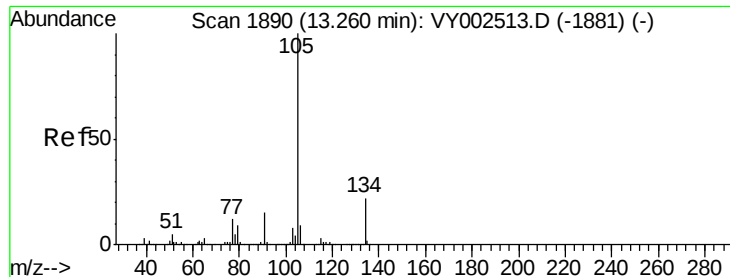
120 47.3 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.625 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

Instrument :

MSVOA_Y

ClientSampleId :

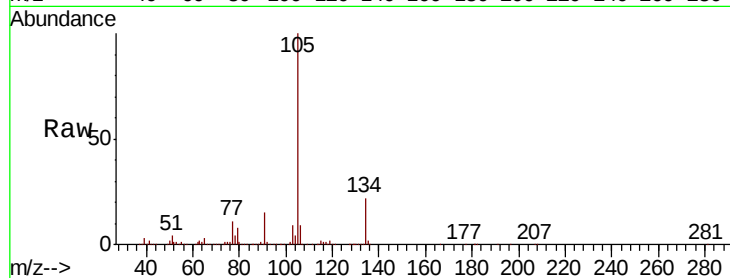
VY0504SBS02

Tot Ion:105 Resp: 364437

Ion Ratio Lower Upper

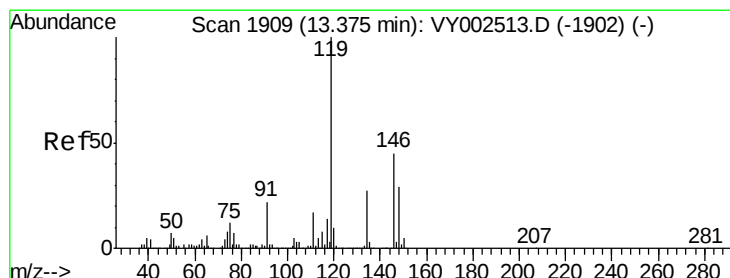
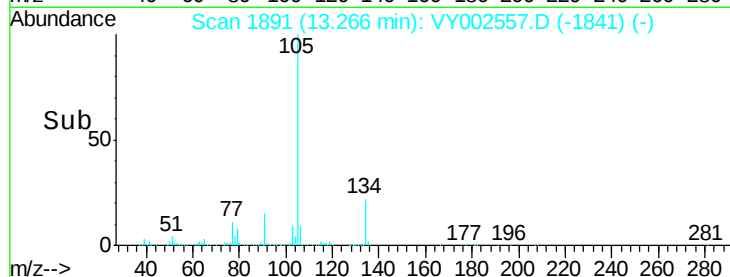
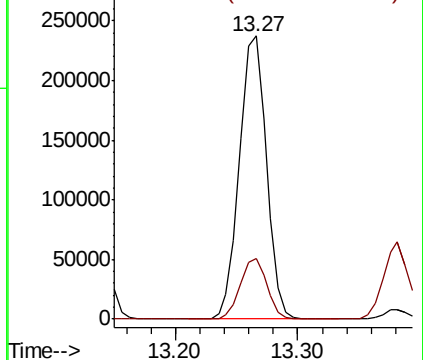
105 100

134 21.1 10.8 32.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.505 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

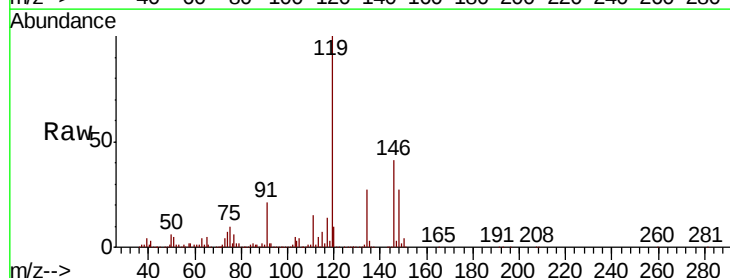
Tgt Ion:119 Resp: 339494

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.5

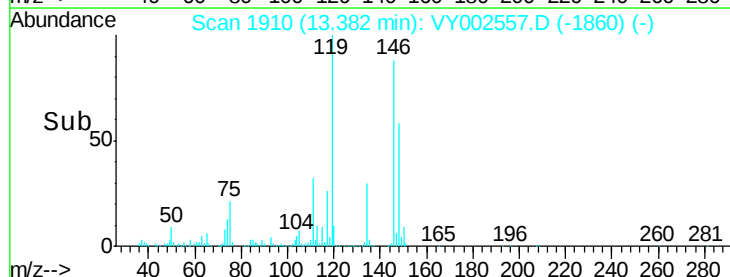
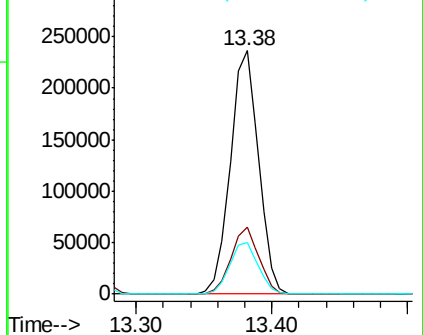
91 21.5 10.9 32.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

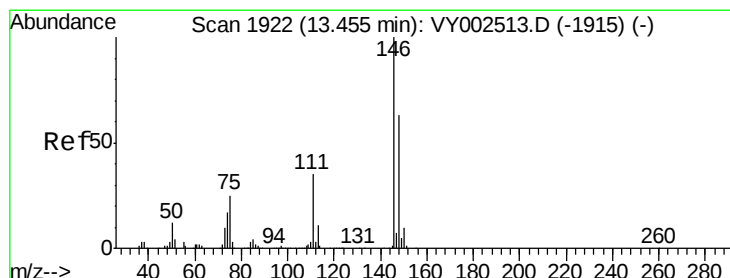
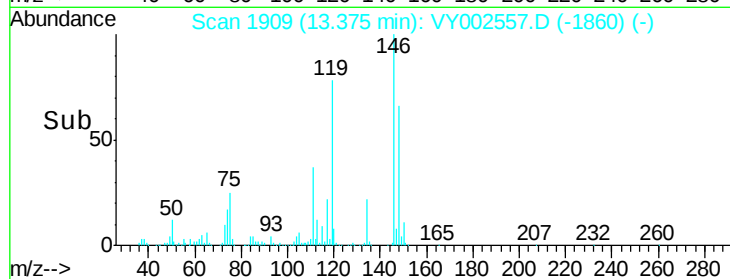
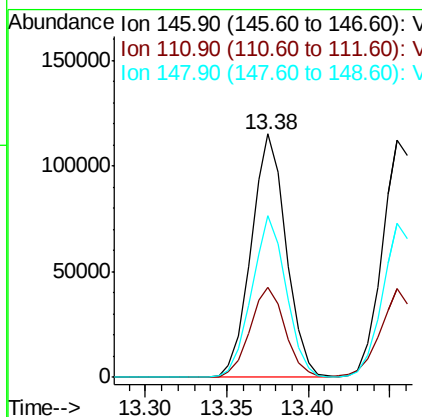
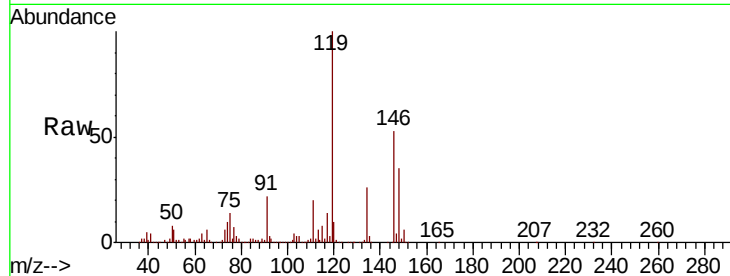




#87
 1,3-Dichlorobenzene
 Concen: 20.683 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY002557.D
 Acq: 04 May 2020 22:38

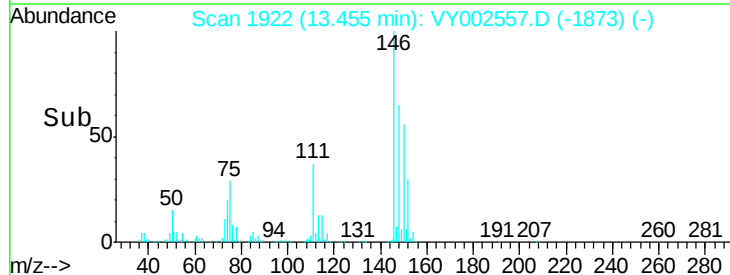
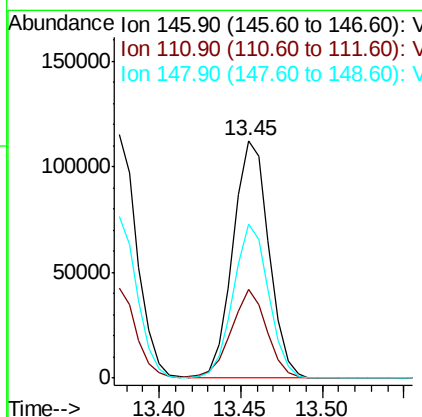
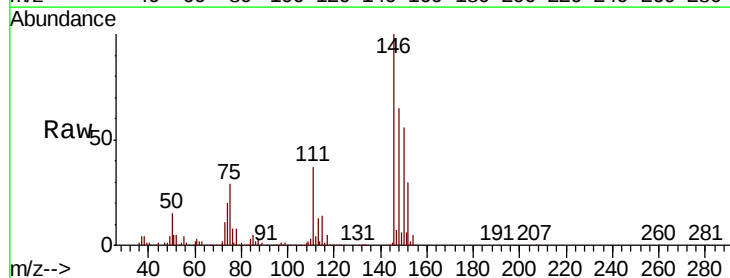
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS02

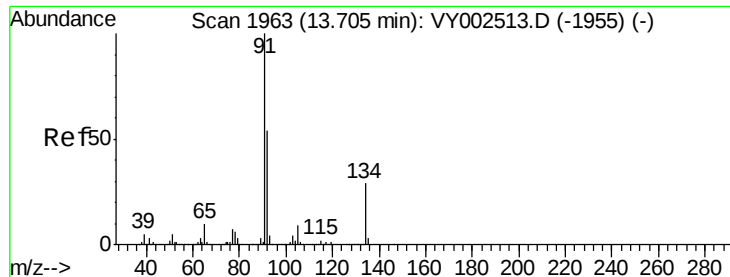
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.8	56.3
148	65.2	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 20.970 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY002557.D
 Acq: 04 May 2020 22:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.1	54.1
148	63.9	31.9	95.5





#89

n-Butylbenzene

Concen: 20.196 ug/l

RT: 13.70 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VY002557.D

Acq: 04 May 2020 22:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0504SBS02

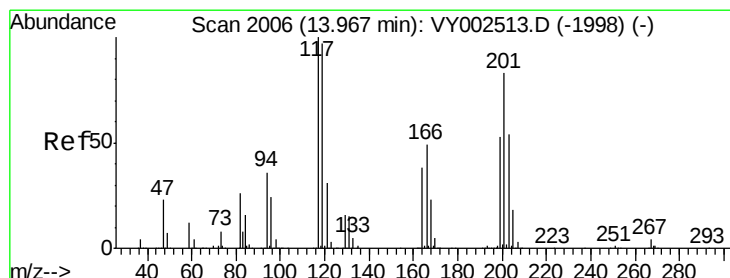
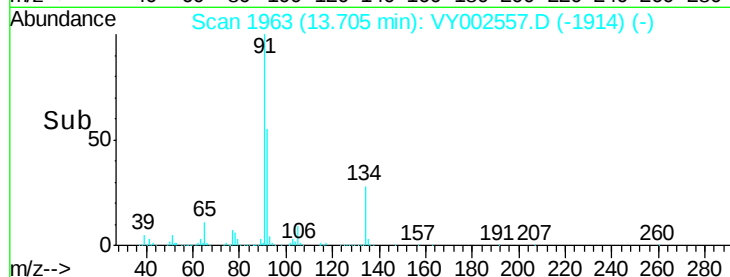
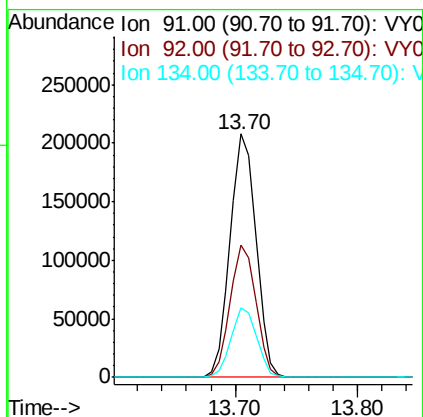
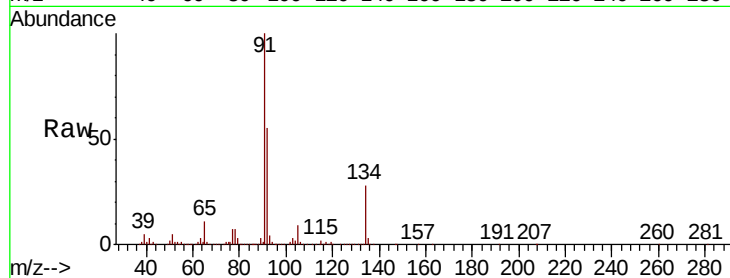
Tot Ion: 91 Resp: 304391

Ion Ratio Lower Upper

91 100

92 54.3 27.1 81.3

134 28.2 14.4 43.0



#90

Hexachloroethane

Concen: 21.474 ug/l

RT: 13.97 min Scan# 2007

Delta R.T. 0.01 min

Lab File: VY002557.D

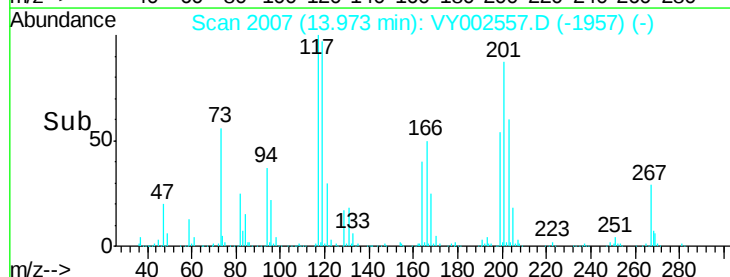
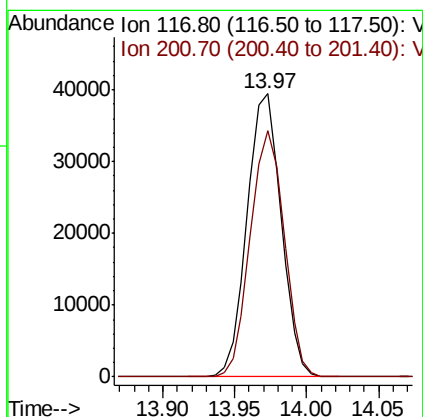
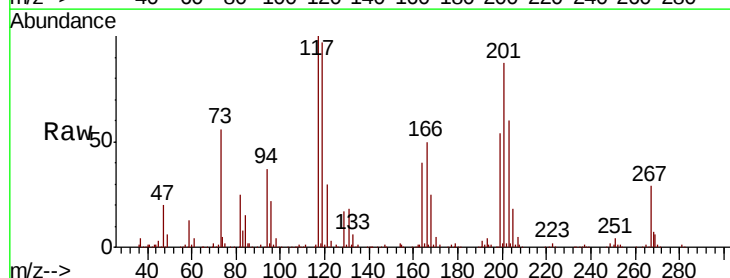
Acq: 04 May 2020 22:38

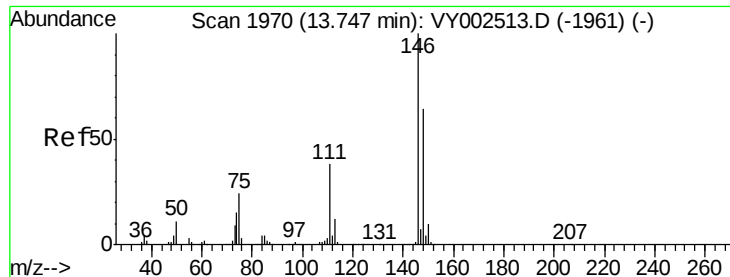
Tgt Ion: 117 Resp: 64745

Ion Ratio Lower Upper

117 100

201 86.4 44.4 133.2

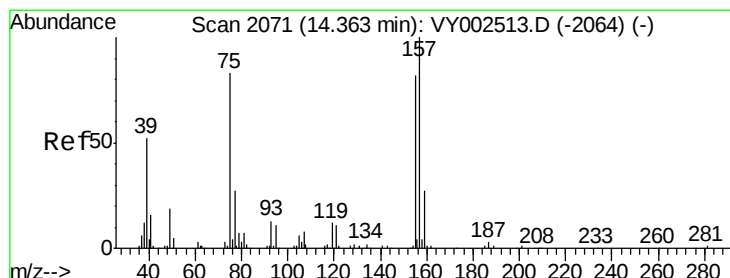
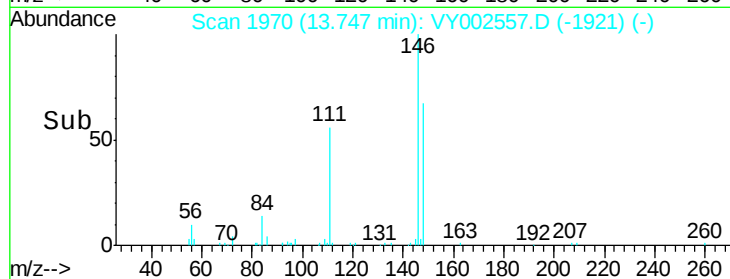
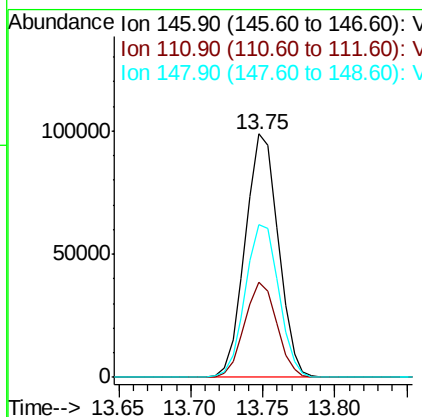
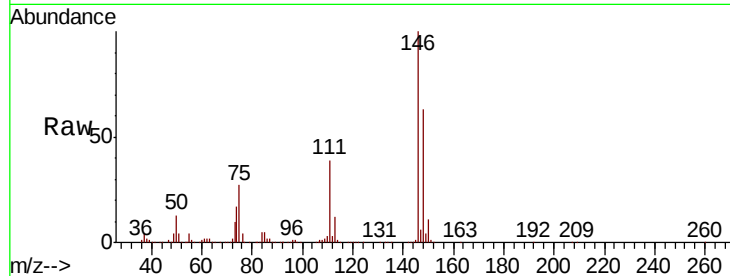




#91
 1,2-Dichlorobenzene
 Concen: 21.210 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VY002557.D
 Acq: 04 May 2020 22:38

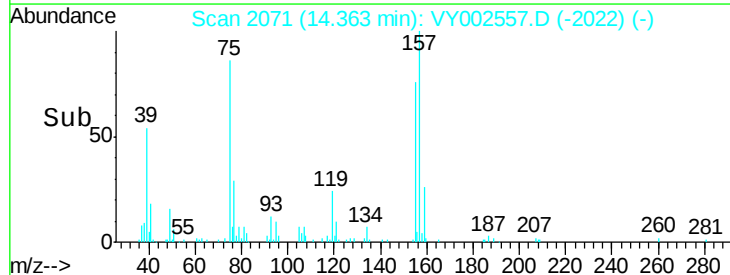
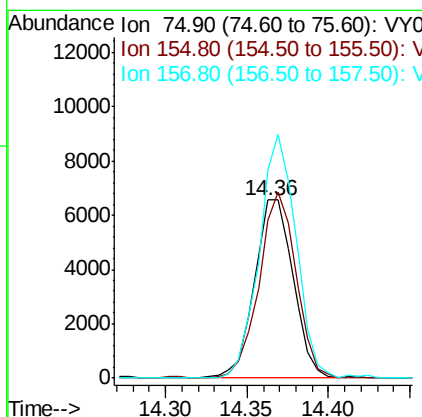
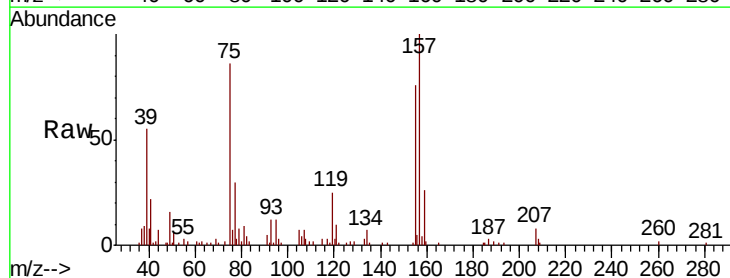
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS02

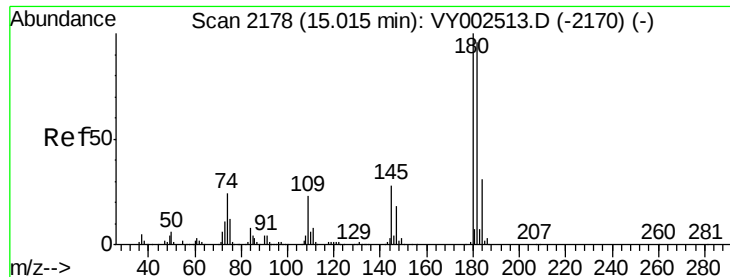
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.5
148	63.7	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.928 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VY002557.D
 Acq: 04 May 2020 22:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.4	51.3	153.9
157	129.0	65.0	195.0

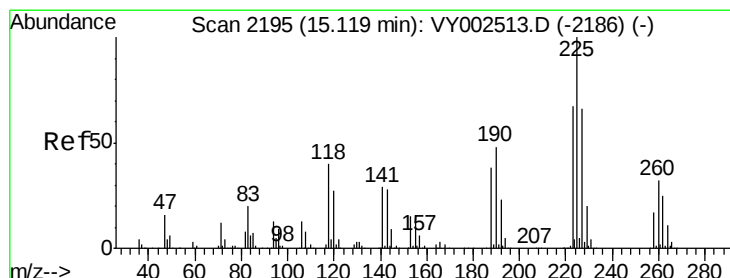
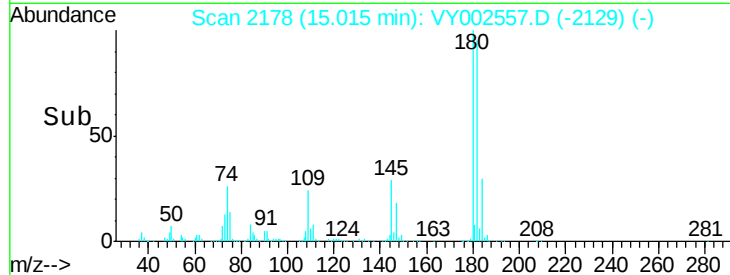
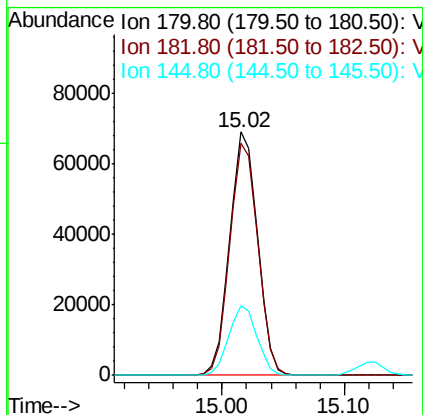
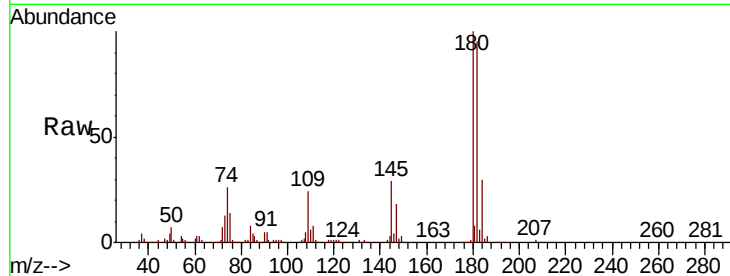




#93
 1,2,4-Trichlorobenzene
 Concen: 20.186 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: VY002557.D
 Acq: 04 May 2020 22:38

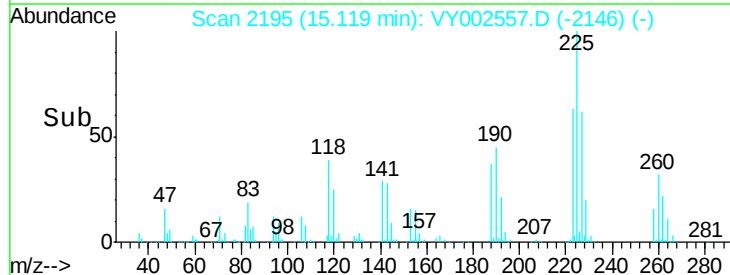
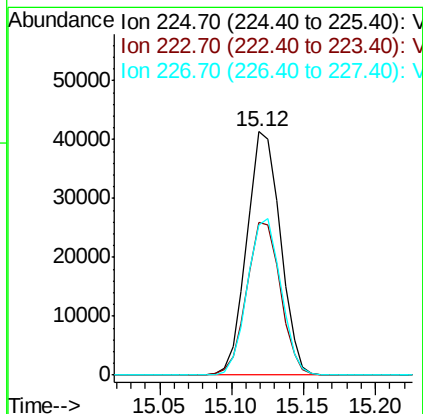
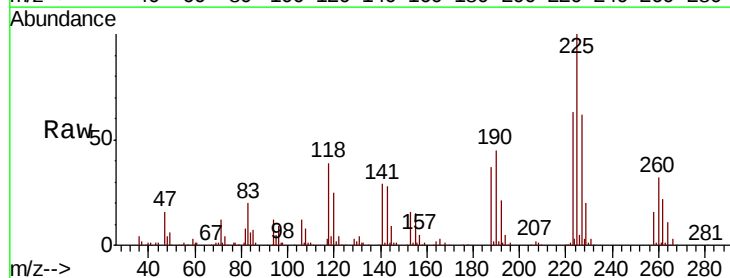
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0504SBS02

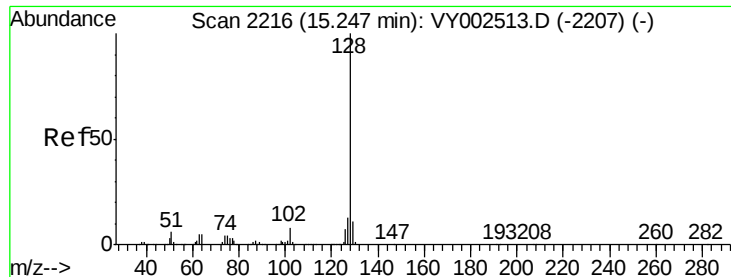
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.9	143.6
145	29.0	14.4	43.0



#94
 Hexachlorobutadiene
 Concen: 20.708 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VY002557.D
 Acq: 04 May 2020 22:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	32.1	96.5
227	64.1	32.0	96.2

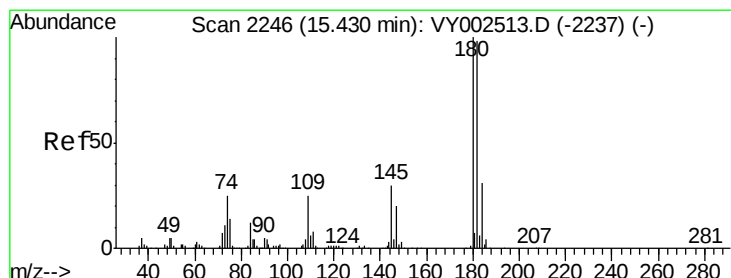
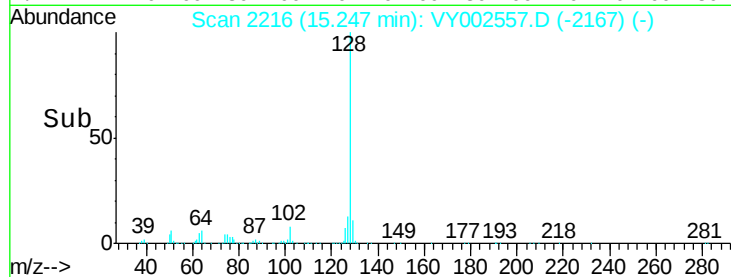
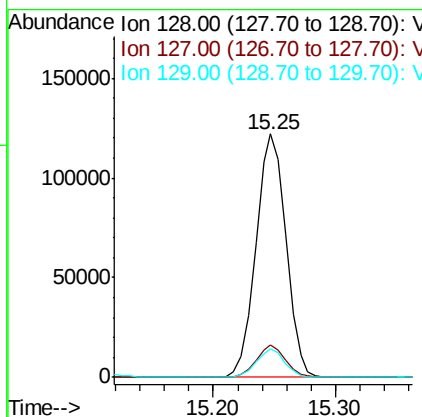
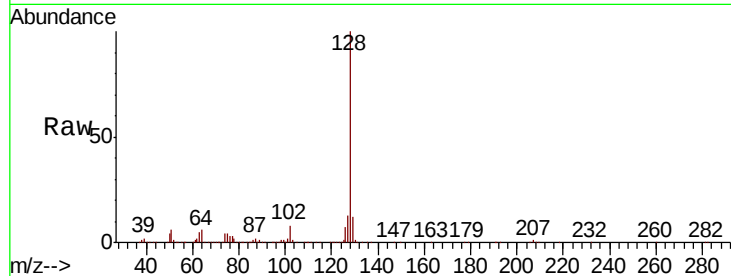




#95
Naphthalene
Concen: 21.332 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY002557.D
Acq: 04 May 2020 22:38

Instrument :
MSVOA_Y
ClientSampleId :
VY0504SBS02

Tot Ion:128 Resp: 208855
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 11.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.796 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY002557.D
Acq: 04 May 2020 22:38

Tgt Ion:180 Resp: 94749
Ion Ratio Lower Upper
180 100
182 95.2 47.9 143.8
145 30.6 15.0 45.1

