

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050420\
 Data File : VY002549.D
 Acq On : 04 May 2020 18:17
 Operator : SY/MD
 Sample : L2456-01
 Misc : 1.80G/5ML/MSVOA Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 207

Quant Time: May 05 07:09:31 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	7.81	168	269317	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	406618	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	241050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	46023	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	112338	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
35) Dibromofluoromethane	7.74	113	122189	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
50) Toluene-d8	10.19	98	450963	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.49	95	100102	32.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	531	2.015	ug/l	84
11) Tert butyl alcohol	4.99	59	1149	4.932	ug/l #	74
13) Acrolein	3.74	56	295	1.831	ug/l #	69
15) Acrylonitrile	5.20	53	737	1.191	ug/l #	20
16) Acetone	3.96	43	412390	882.426	ug/l	99
17) Carbon Disulfide	4.21	76	22051	3.162	ug/l	95
20) Methylene Chloride	4.74	84	26866	10.280	ug/l	99
25) 2-Butanone	7.01	43	3652	4.774	ug/l #	73
29) Tetrahydrofuran	7.37	42	960	1.897	ug/l #	67
30) Chloroform	7.52	83	7008	1.667	ug/l #	1
31) Cyclohexane	7.78	56	197014	48.405	ug/l #	43
36) 1,1-Dichloropropene	7.80	75	17720	5.198	ug/l #	48
38) Carbon Tetrachloride	7.81	117	24467	6.575	ug/l #	16
39) Methylcyclohexane	9.19	83	292072	64.872	ug/l	97
40) Benzene	8.17	78	11848	1.203	ug/l	95
41) Methacrylonitrile	7.54	41	13956	14.818	ug/l #	51
43) Isopropyl Acetate	8.28	43	148625	45.259	ug/l #	50
47) Bromodichloromethane	9.48	83	3859	1.161	ug/l #	50
48) Methyl methacrylate	9.25	41	52700	35.460	ug/l #	37
49) 1,4-Dioxane	9.31	88	23	1.271	ug/l #	1
51) 4-Methyl-2-Pentanone	10.19	43	11231	6.635	ug/l #	81
52) Toluene	10.25	92	18234544	2881.930	ug/l #	1
53) t-1,3-Dichloropropene	10.25	75	277494	79.674	ug/l #	1
55) 1,1,2-Trichloroethane	10.63	97	110189	55.271	ug/l #	21
56) Ethyl methacrylate	10.53	69	18752	7.071	ug/l #	1
59) 2-Hexanone	10.81	43	166347	142.789	ug/l #	27
67) Ethyl Benzene	11.60	91	1046879	130.059	ug/l	99
68) m/p-Xylenes	11.70	106	1526824	490.242	ug/l	99
69) o-Xylene	12.03	106	752364	258.004	ug/l	100
70) Styrene	12.03	104	38315	7.686	ug/l #	1
73) Isopropylbenzene	12.33	105	441869	148.142	ug/l	100
74) N-amyl acetate	12.13	43	394361	549.625	ug/l #	55
75) 1,1,2,2-Tetrachloroethane	12.53	83	36558	77.068	ug/l #	51
76) 1,2,3-Trichloropropane	12.67	75	9714	23.751	ug/l #	100

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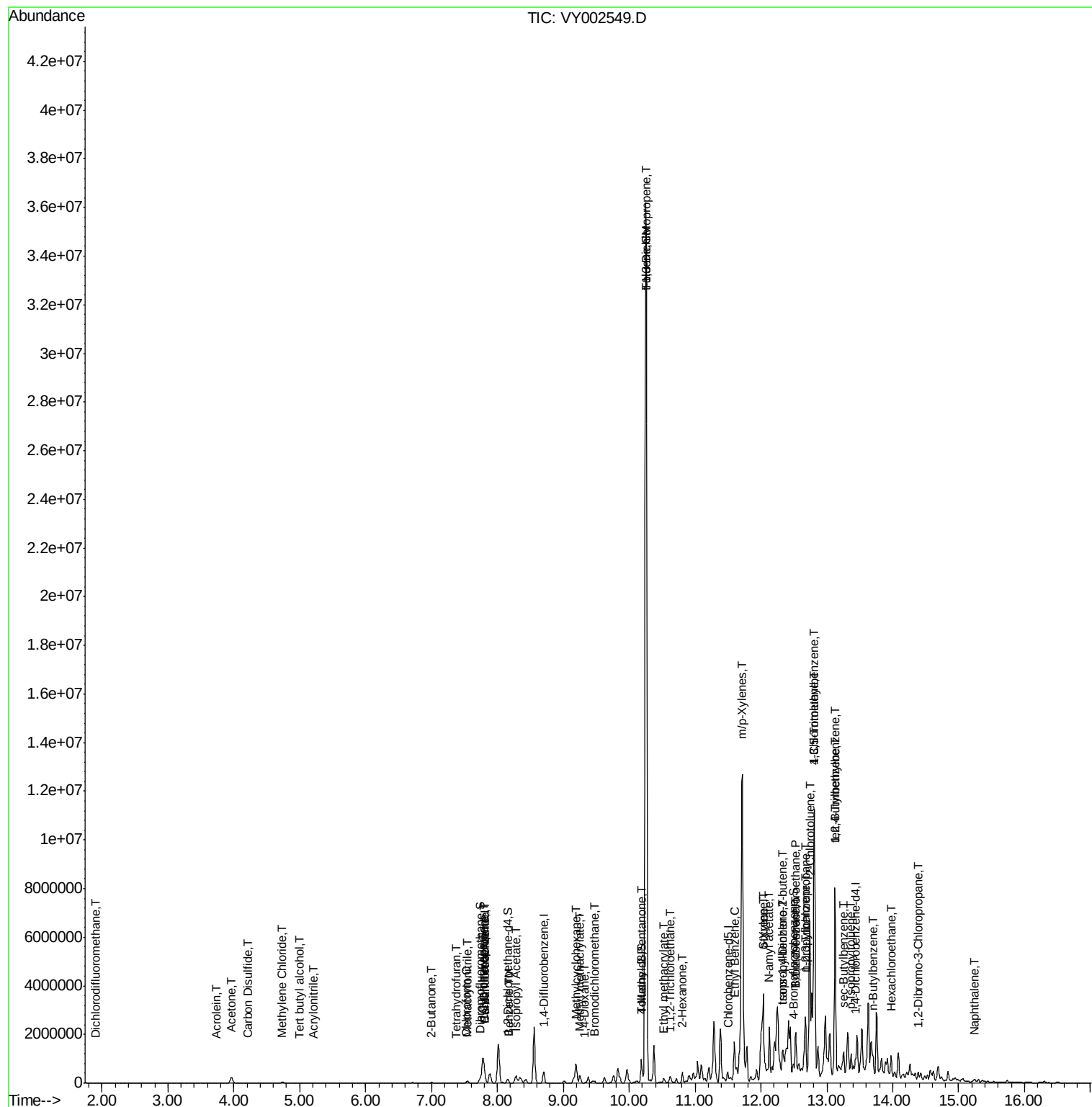
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Bromobenzene	12.52	156	14237	19.105	ug/l #	1
78) n-propylbenzene	12.67	91	1706555	493.024	ug/l	100
79) 2-Chlorotoluene	12.74	91	459601	239.704	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.81	105	1151711	465.817	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.33	75	4922	24.131	ug/l #	1
82) 4-Chlorotoluene	12.81	91	124693	61.912	ug/l #	45
83) tert-Butylbenzene	13.13	119	509997	235.249	ug/l #	66
84) 1,2,4-Trimethylbenzene	13.13	105	3997506	1622.311	ug/l	99
85) sec-Butylbenzene	13.26	105	422469	140.437	ug/l	85
86) p-Isopropyltoluene	13.38	119	199917	70.925	ug/l	100
89) n-Butylbenzene	13.70	91	510541	198.964	ug/l #	72
90) Hexachloroethane	13.98	117	39939	77.806	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.39	75	1309	14.804	ug/l #	4
95) Naphthalene	15.24	128	78303	46.977	ug/l	98

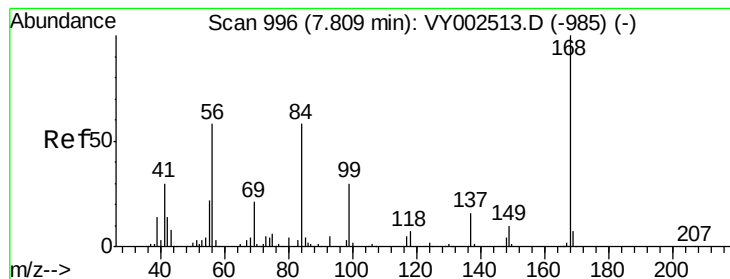
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY002549.D

Acq: 04 May 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

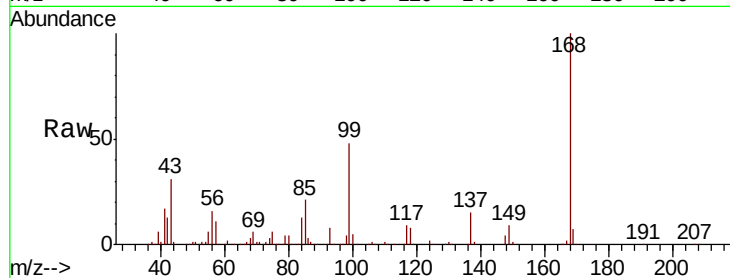
207

Tot Ion:168 Resp: 269317

Ion Ratio Lower Upper

168 100

99 48.1 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) (-)

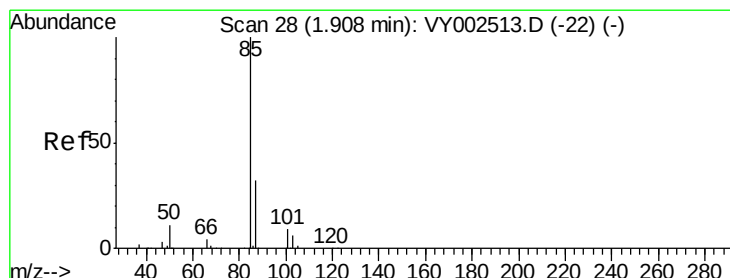
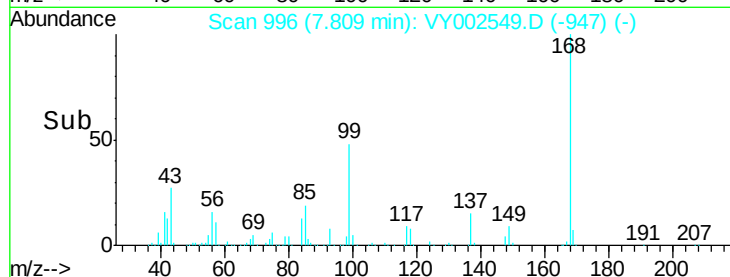
7.81

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 2.015 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002549.D

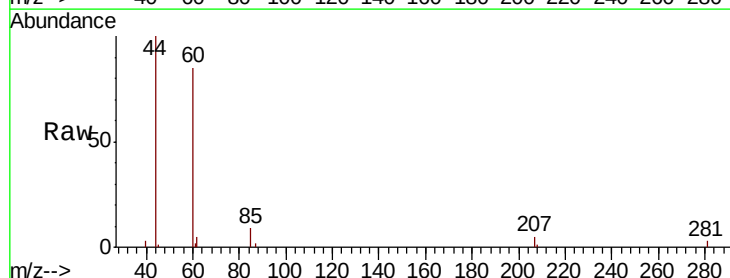
Acq: 04 May 2020 18:17

Tgt Ion: 85 Resp: 531

Ion Ratio Lower Upper

85 100

87 22.8 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

500

400

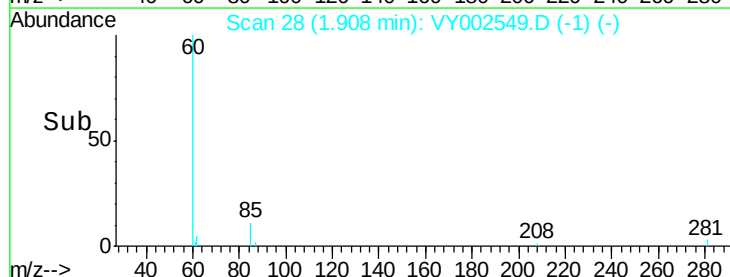
300

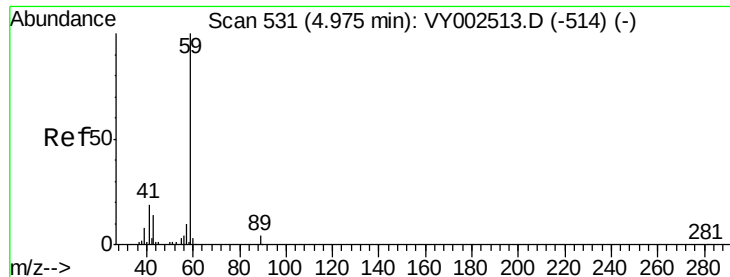
200

100

0

Time-->



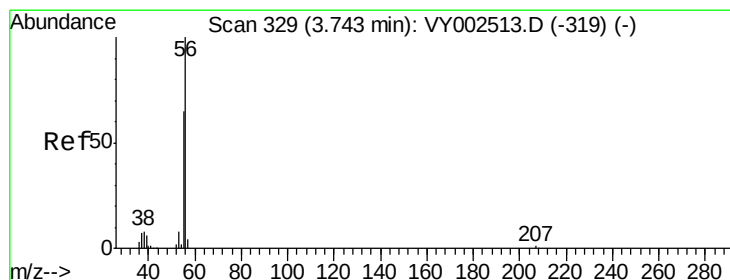
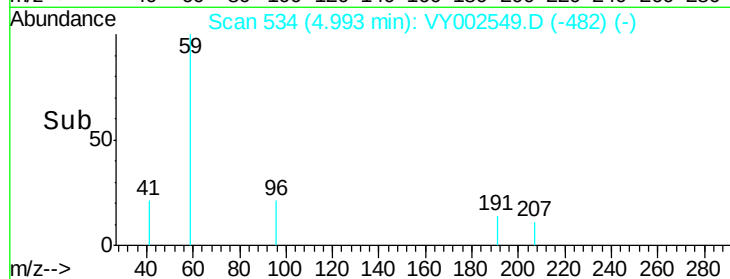
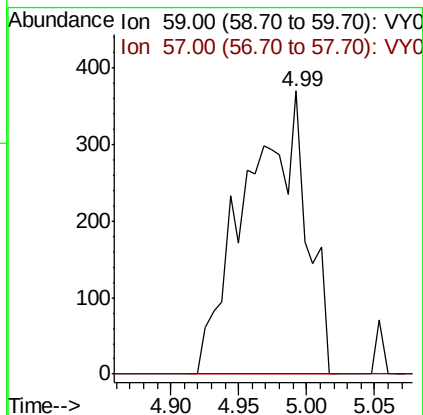
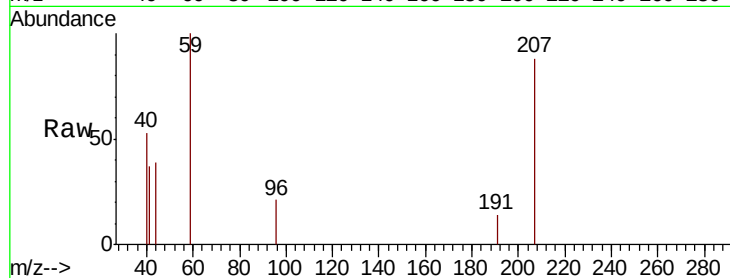


#11

Tert butyl alcohol
 Concen: 4.932 ug/l
 RT: 4.99 min Scan# 534
 Delta R.T. 0.02 min
 Lab File: VY002549.D
 Acq: 04 May 2020 18:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 207

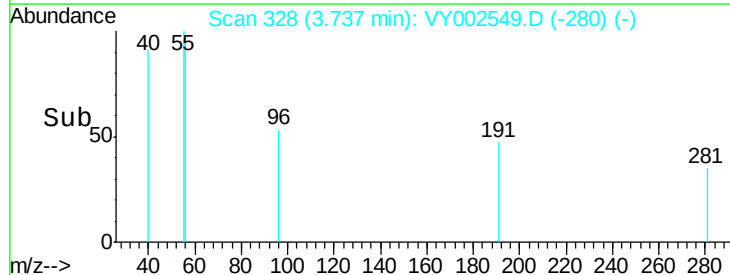
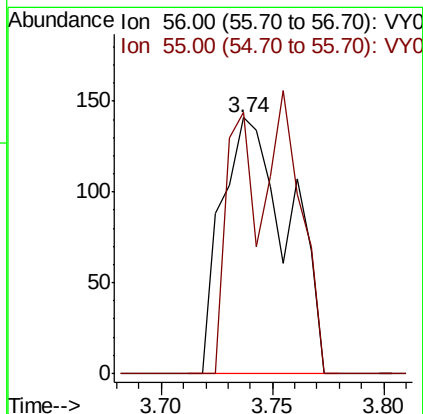
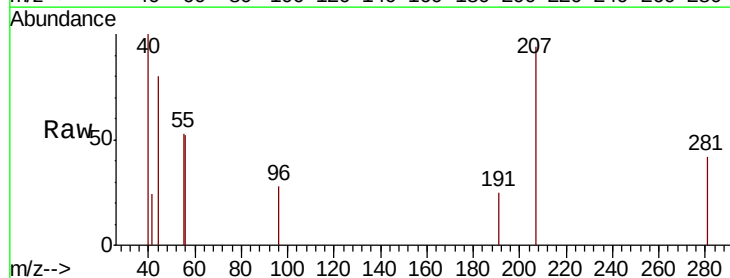
Tot Ion: 59 Resp: 1149
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

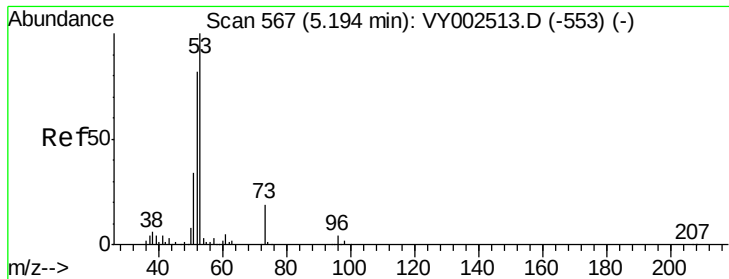


#13

Acrolein
 Concen: 1.831 ug/l
 RT: 3.74 min Scan# 328
 Delta R.T. -0.01 min
 Lab File: VY002549.D
 Acq: 04 May 2020 18:17

Tgt Ion: 56 Resp: 295
 Ion Ratio Lower Upper
 56 100
 55 42.7 53.8 80.6#





#15

Acrylonitrile

Concen: 1.191 ug/l

RT: 5.20 min Scan# 568

Delta R.T. 0.01 min

Lab File: VY002549.D

Acq: 04 May 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

207

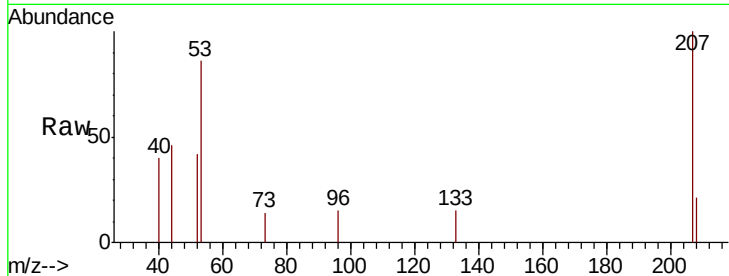
Tot Ion: 53 Resp: 737

Ion Ratio Lower Upper

53 100

52 0.0 65.4 98.0#

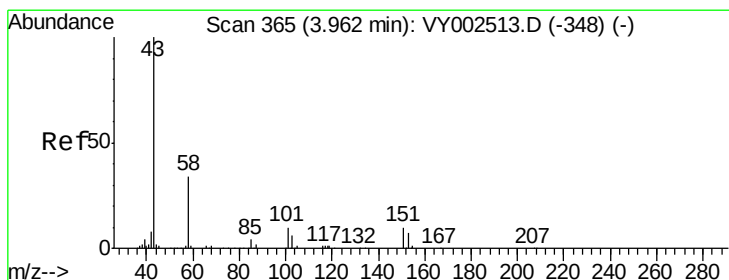
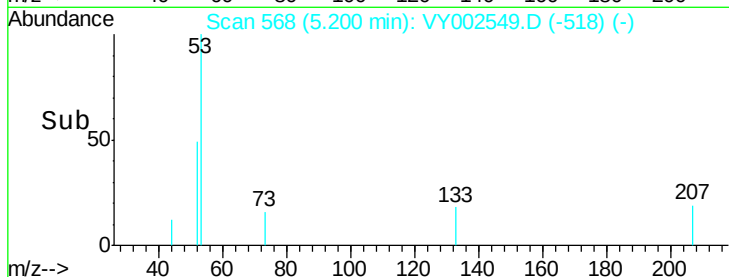
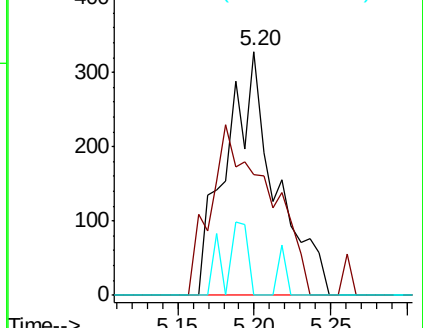
51 3.4 28.7 43.1#



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 882.426 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.00 min

Lab File: VY002549.D

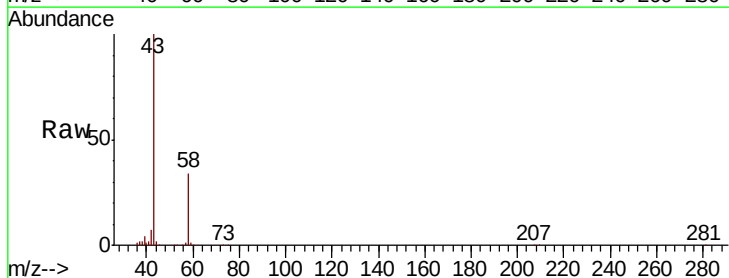
Acq: 04 May 2020 18:17

Tgt Ion: 43 Resp: 412390

Ion Ratio Lower Upper

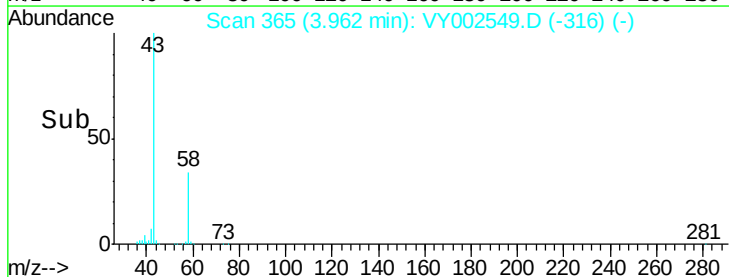
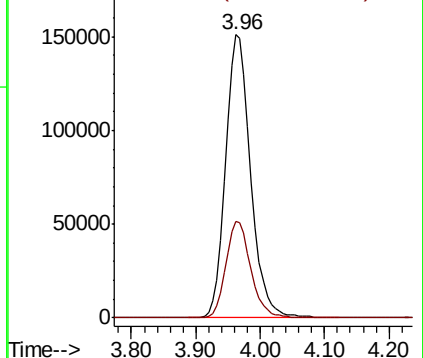
43 100

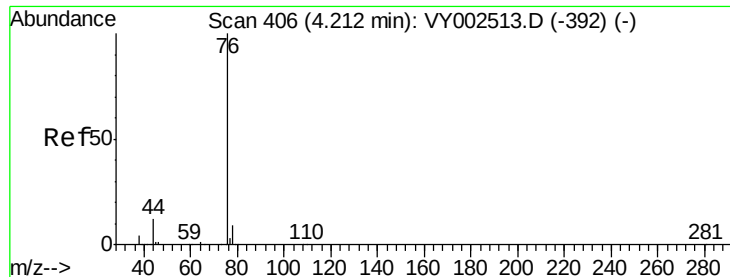
58 34.2 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#17

Carbon Disulfide

Concen: 3.162 ug/l

RT: 4.21 min Scan# 405

Delta R.T. -0.01 min

Lab File: VY002549.D

Acq: 04 May 2020 18:17

Instrument :

MSVOA_Y

ClientSampled :

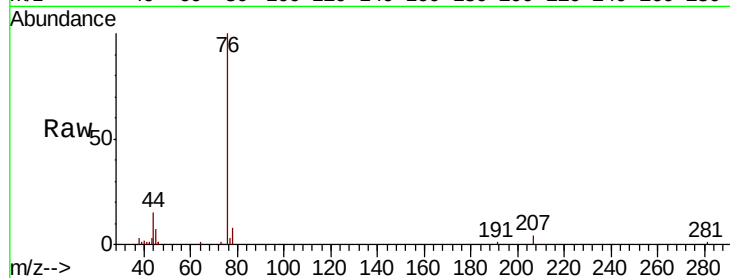
207

Tot Ion: 76 Resp: 22051

Ion Ratio Lower Upper

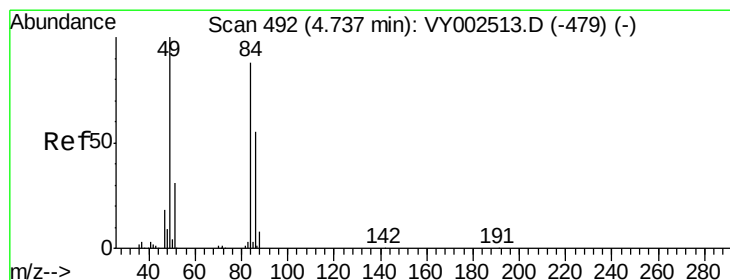
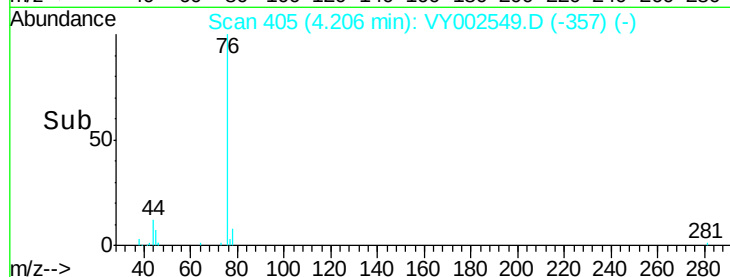
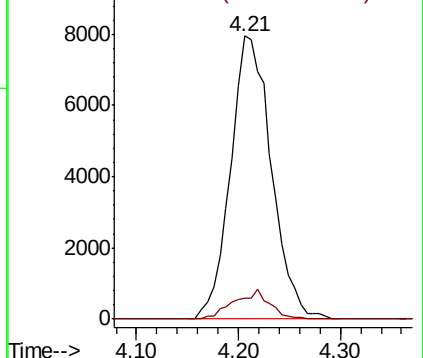
76 100

78 7.6 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#20

Methylene Chloride

Concen: 10.280 ug/l

RT: 4.74 min Scan# 492

Delta R.T. -0.00 min

Lab File: VY002549.D

Acq: 04 May 2020 18:17

Tgt Ion: 84 Resp: 26866

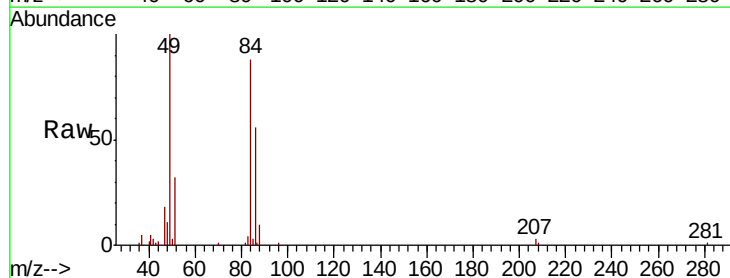
Ion Ratio Lower Upper

84 100

49 113.9 90.5 135.7

51 36.4 28.3 42.5

86 64.1 49.9 74.9

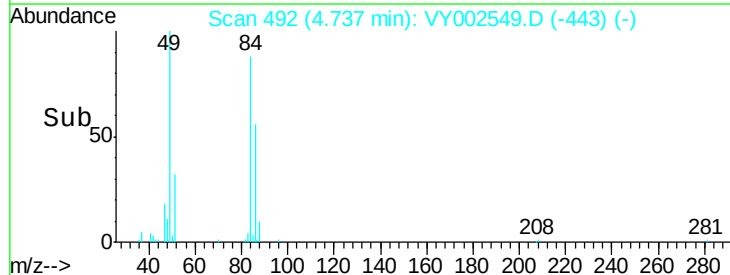
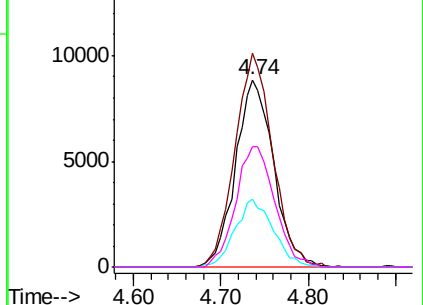


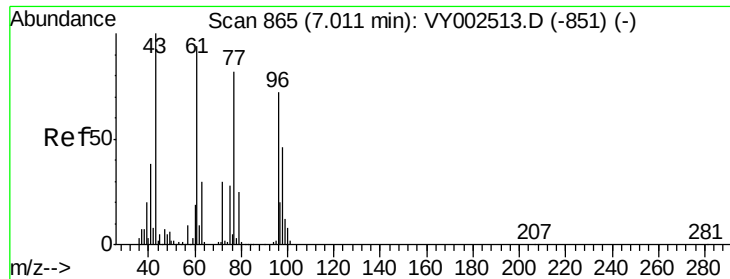
Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0





#25

2-Butanone

Concen: 4.774 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.00 min

Lab File: VY002549.D

Acq: 04 May 2020 18:17

Instrument :

MSVOA_Y

ClientSampled :

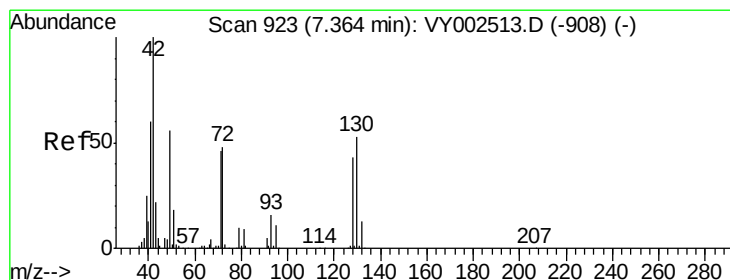
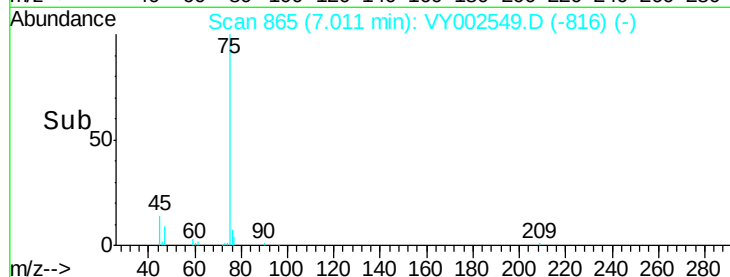
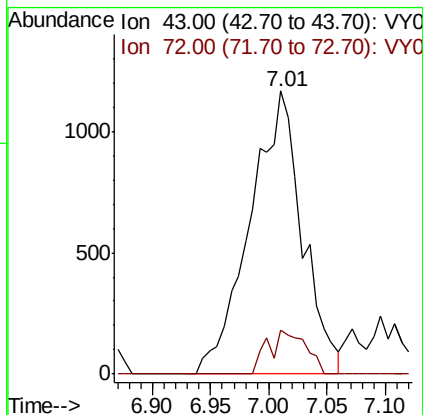
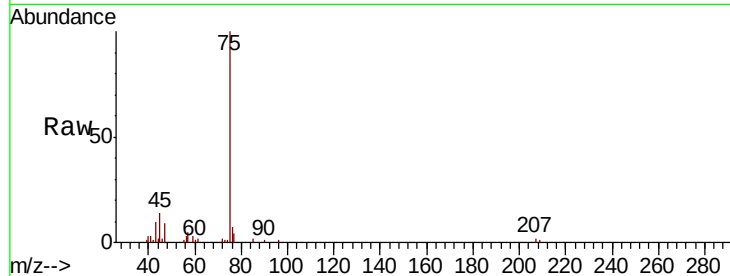
207

Tot Ion: 43 Resp: 3652

Ion Ratio Lower Upper

43 100

72 15.5 24.1 36.1#



#29

Tetrahydrofuran

Concen: 1.897 ug/l

RT: 7.37 min Scan# 924

Delta R.T. 0.01 min

Lab File: VY002549.D

Acq: 04 May 2020 18:17

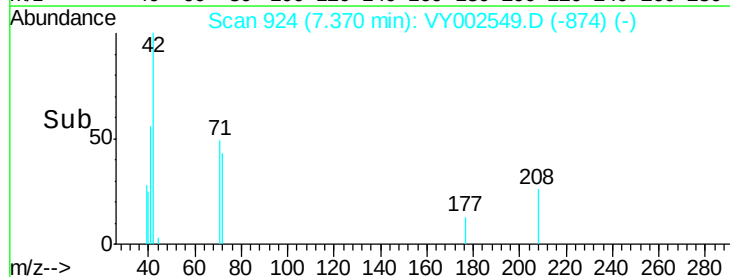
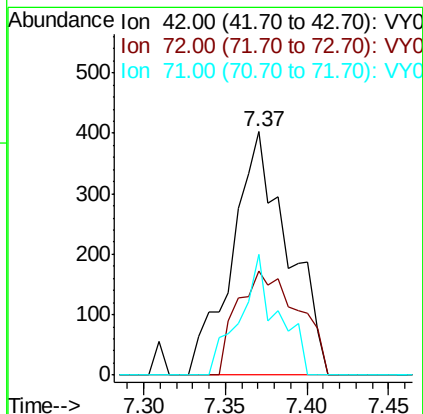
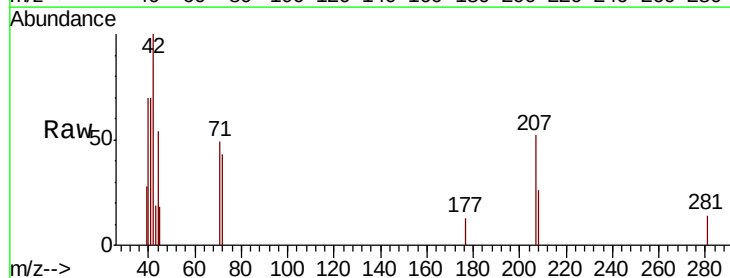
Tgt Ion: 42 Resp: 960

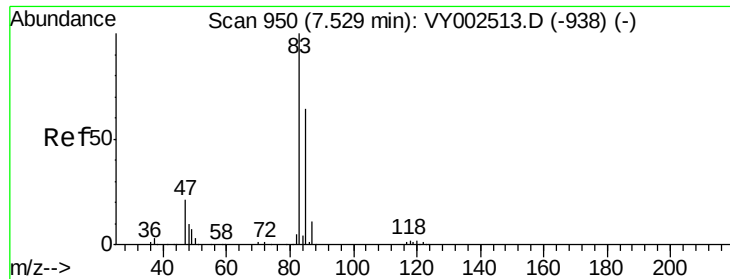
Ion Ratio Lower Upper

42 100

72 46.9 37.4 56.2

71 0.0 35.0 52.4#

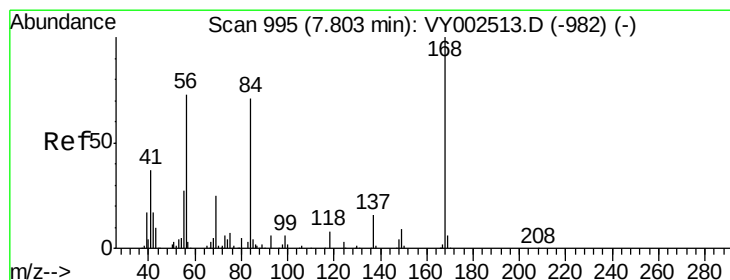
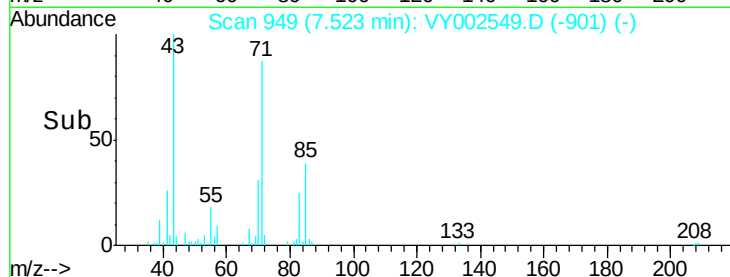
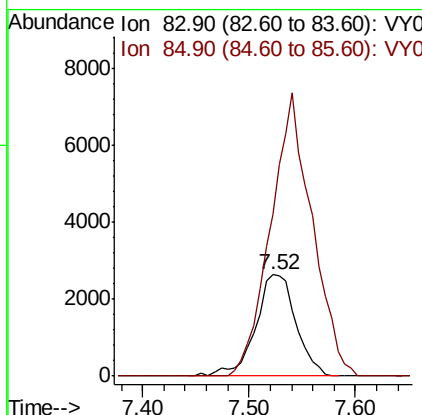
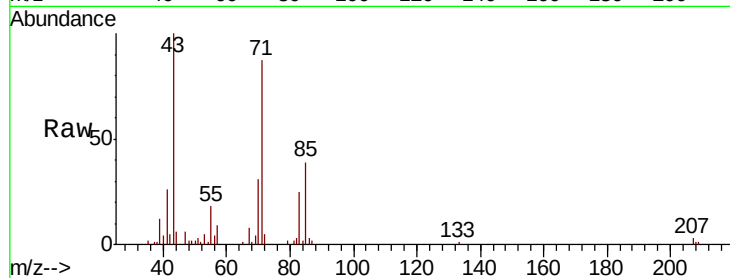




#30
Chloroform
Concen: 1.667 ug/l
RT: 7.52 min Scan# 949
Delta R.T. -0.01 min
Lab File: VY002549.D
Acq: 04 May 2020 18:17

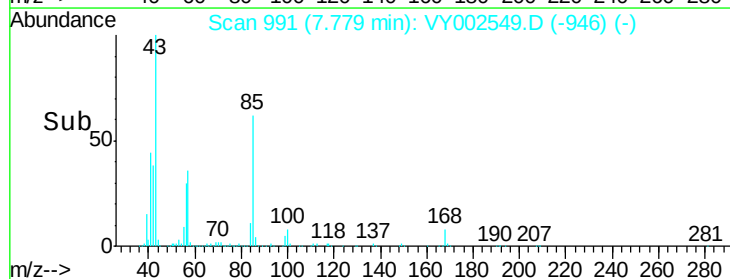
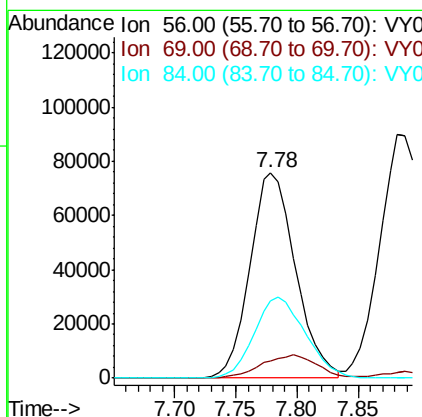
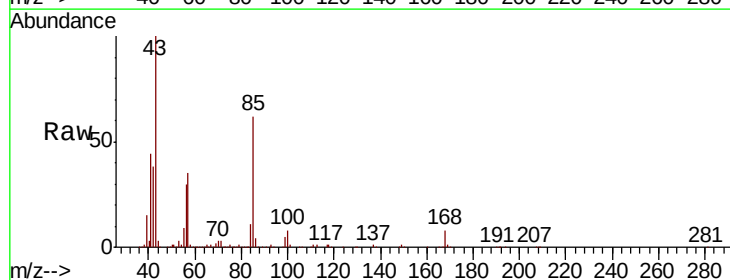
Instrument :
MSVOA_Y
ClientSampled :
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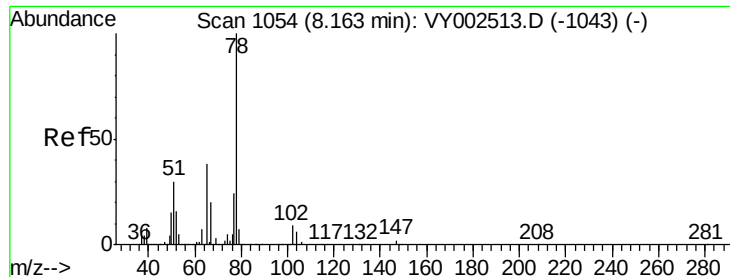
Tot Ion: 83 Resp: 7008
Ion Ratio Lower Upper
83 100
85 159.3 51.5 77.3#



#31
Cyclohexane
Concen: 48.405 ug/l
RT: 7.78 min Scan# 991
Delta R.T. -0.02 min
Lab File: VY002549.D
Acq: 04 May 2020 18:17

Tgt Ion: 56 Resp: 197014
Ion Ratio Lower Upper
56 100
69 8.3 27.6 41.4#
84 37.7 77.7 116.5#

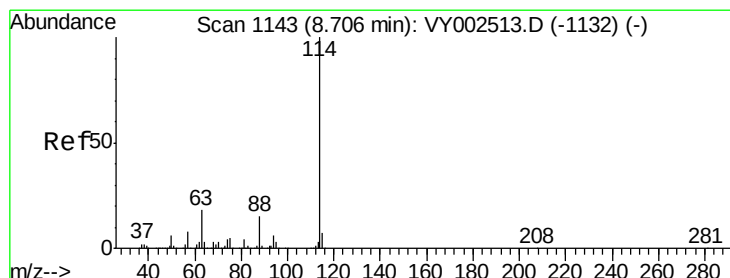
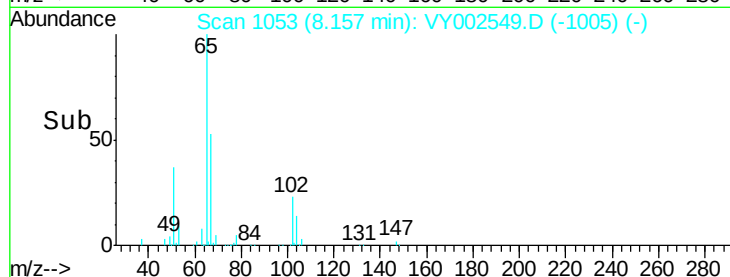
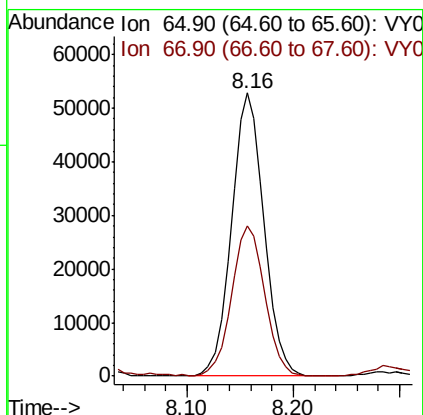
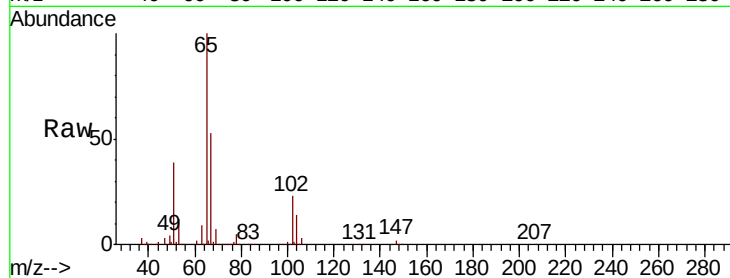




#33
 1,2-Dichloroethane-d4
 Concen: 49.609 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY002549.D
 Acq: 04 May 2020 18:17

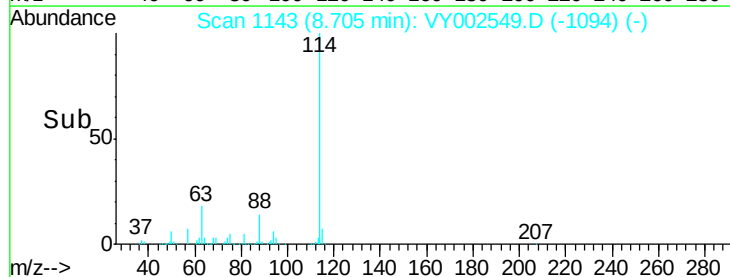
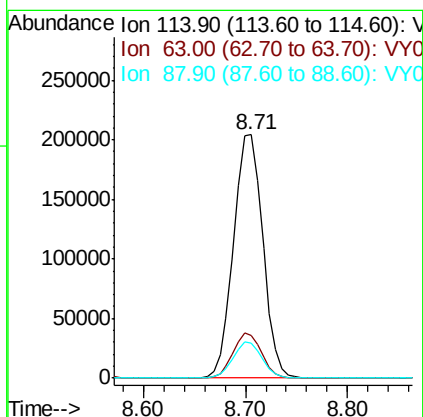
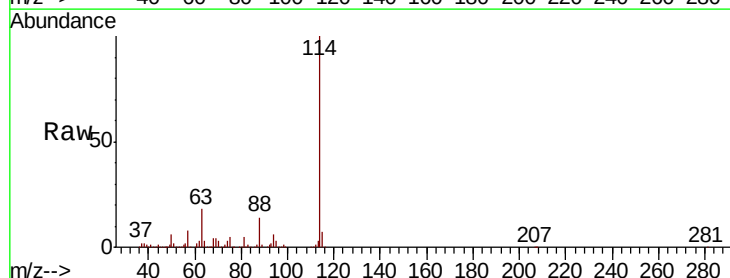
Instrument :
 MSVOA_Y
 ClientSampleId :
 207

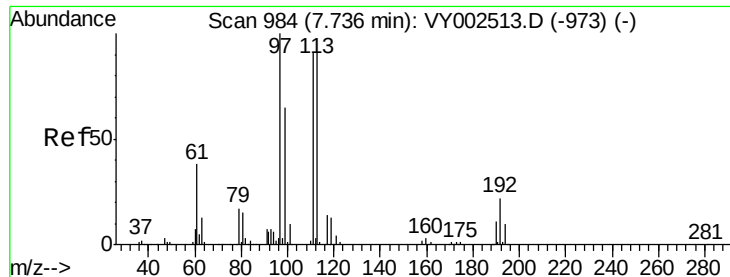
Tot Ion: 65 Resp: 112338
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VY002549.D
 Acq: 04 May 2020 18:17

Tgt Ion: 114 Resp: 406618
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 36.4
 88 14.3 0.0 29.6

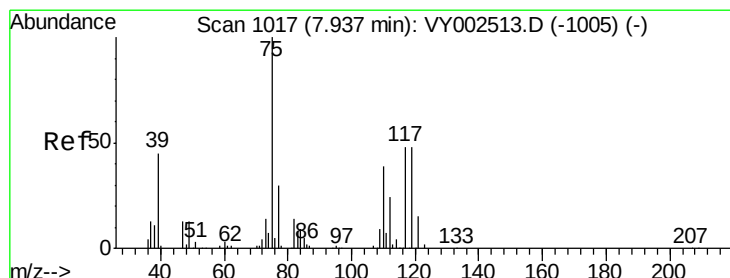
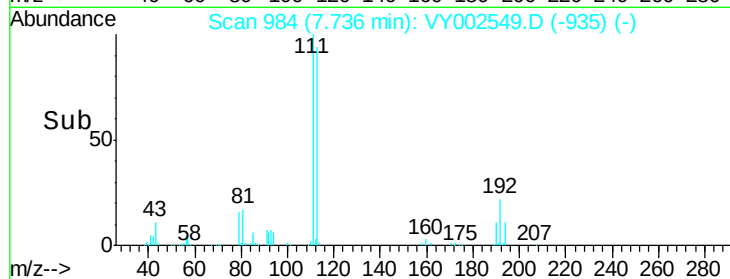
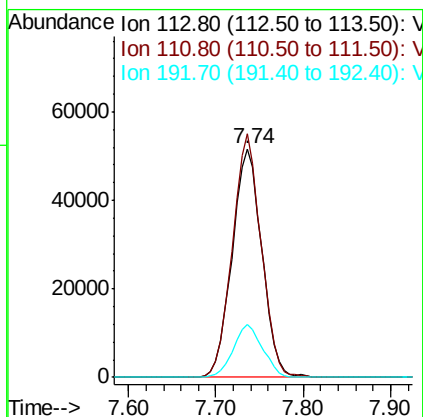
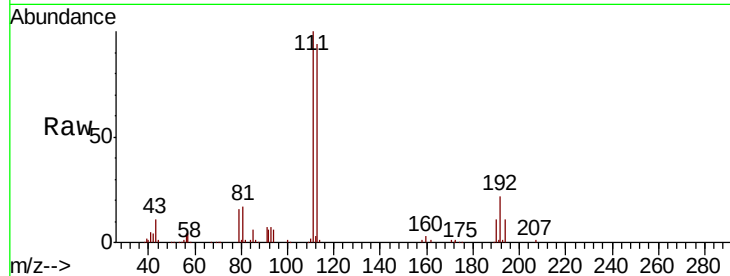




#35
 Dibromofluoromethane
 Concen: 52.544 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.00 min
 Lab File: VY002549.D
 Acq: 04 May 2020 18:17

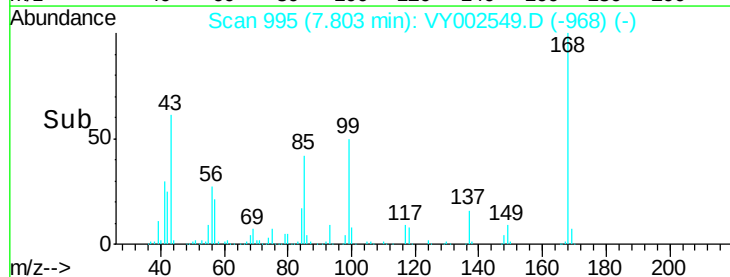
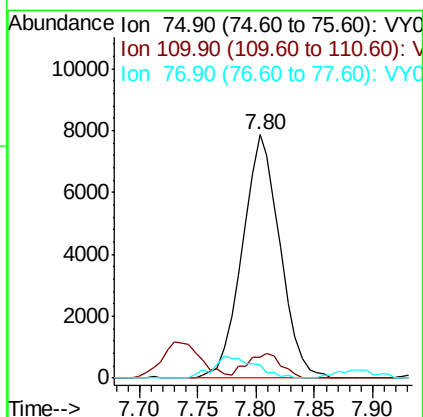
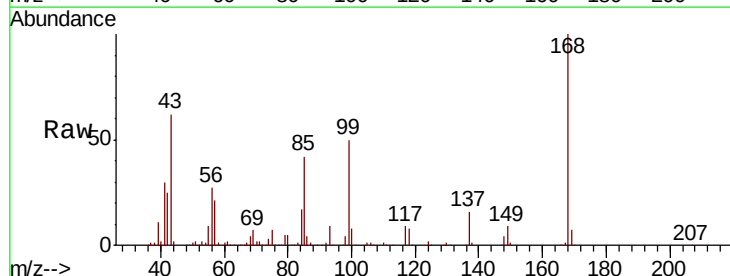
Instrument :
 MSVOA_Y
 ClientSampled :
 207

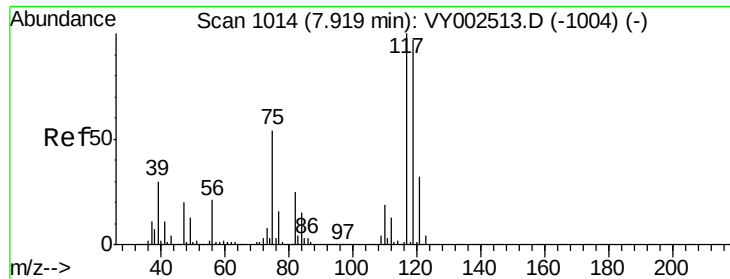
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.8	122.6
192	22.8	18.2	27.4



#36
 1,1-Dichloropropene
 Concen: 5.198 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY002549.D
 Acq: 04 May 2020 18:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	19.1	57.3#
77	0.0	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 6.575 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.11 min

Lab File: VY002549.D

Acq: 04 May 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

207

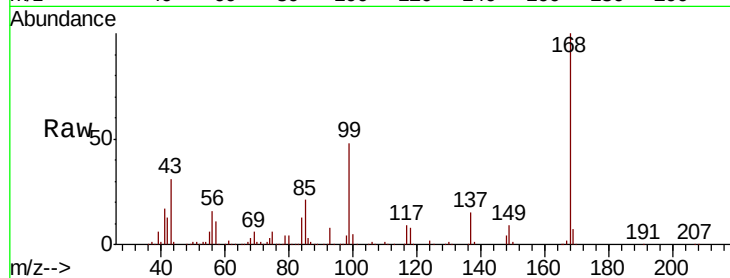
Tot Ion:117 Resp: 24467

Ion Ratio Lower Upper

117 100

119 5.5 77.1 115.7#

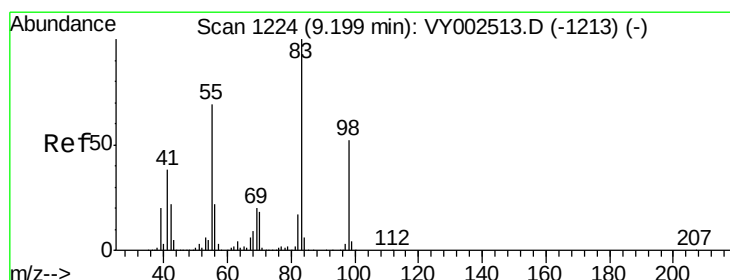
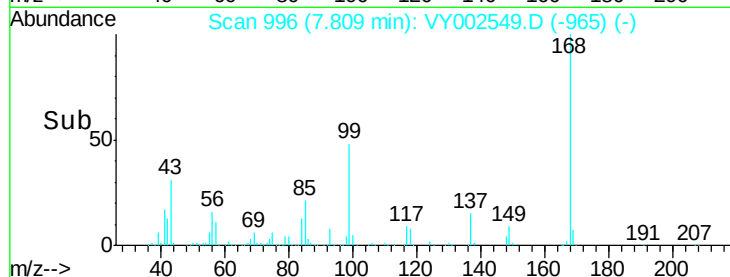
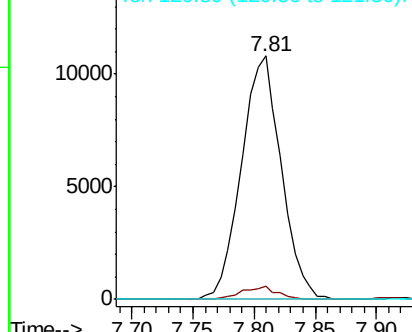
121 0.0 25.2 37.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 64.872 ug/l

RT: 9.19 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VY002549.D

Acq: 04 May 2020 18:17

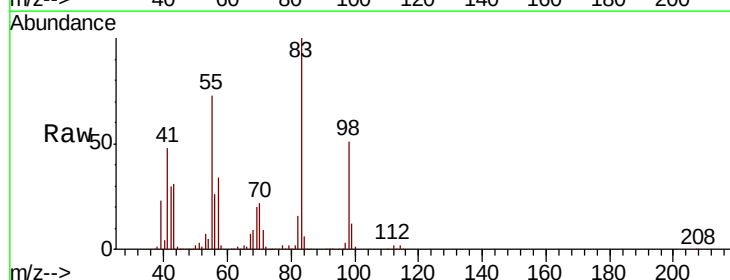
Tgt Ion: 83 Resp: 292072

Ion Ratio Lower Upper

83 100

55 73.1 55.4 83.0

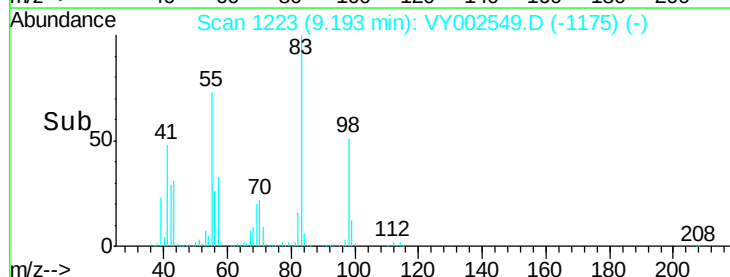
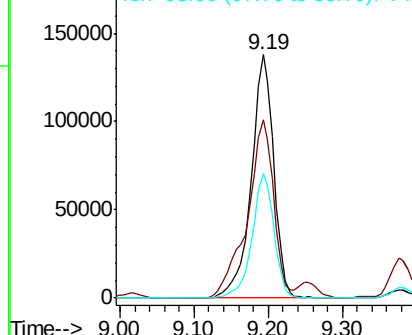
98 51.3 41.3 61.9

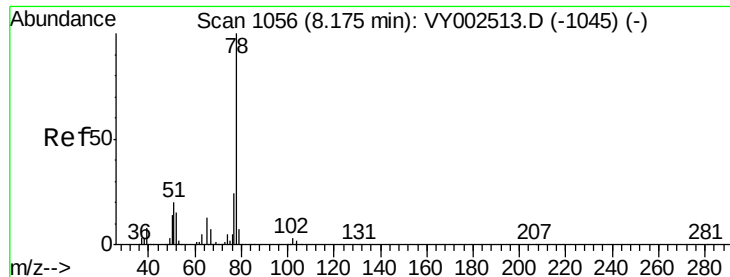


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#40

Benzene

Concen: 1.203 ug/l

RT: 8.17 min Scan# 1056

Delta R.T. -0.00 min

Lab File: VY002549.D

Acq: 04 May 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

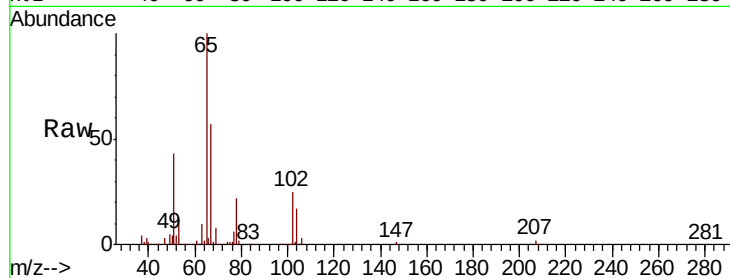
207

Tot Ion: 78 Resp: 11848

Ion Ratio Lower Upper

78 100

77 26.5 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VY0

Ion 77.00 (76.70 to 77.70): VY0

8.17

6000

5000

4000

3000

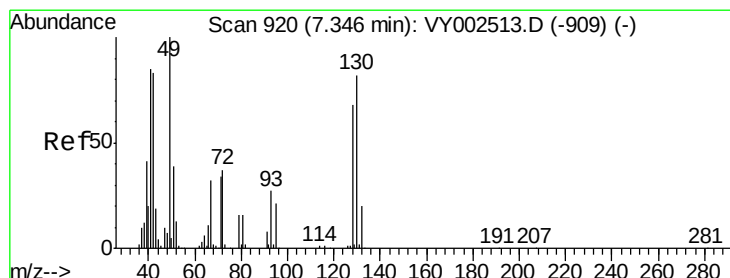
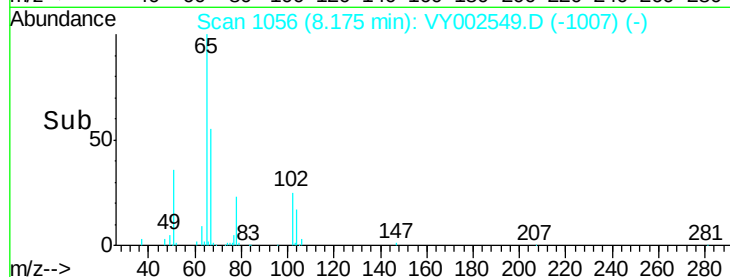
2000

1000

0

8.10 8.15 8.20 8.25

Time-->



#41

Methacrylonitrile

Concen: 14.818 ug/l

RT: 7.54 min Scan# 952

Delta R.T. 0.19 min

Lab File: VY002549.D

Acq: 04 May 2020 18:17

Tgt Ion: 41 Resp: 13956

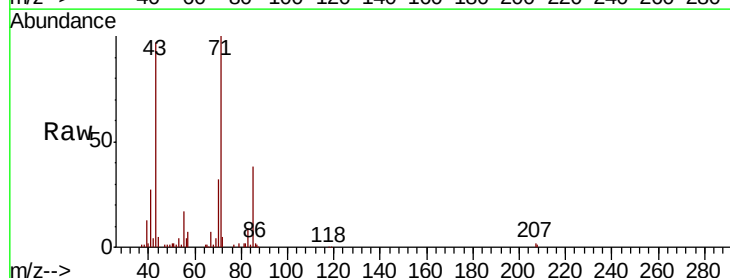
Ion Ratio Lower Upper

41 100

39 53.3 83.1 124.7#

67 28.8 0.0 0.0#

52 2.4 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

8000

6000

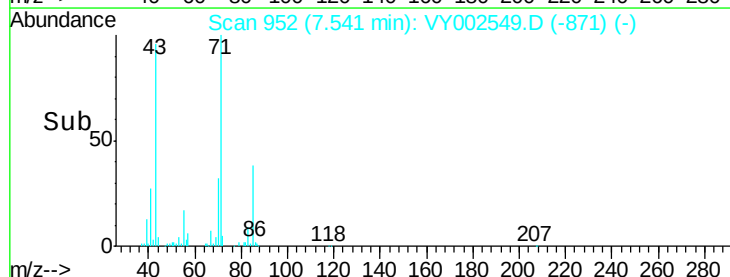
4000

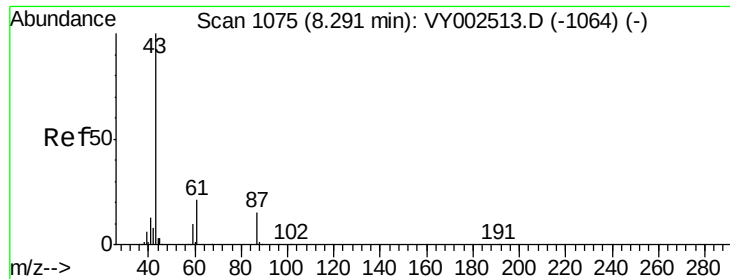
2000

0

7.40 7.50 7.60

Time-->





#43

Isopropyl Acetate

Concen: 45.259 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.01 min

Lab File: VY002549.D

Acq: 04 May 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

207

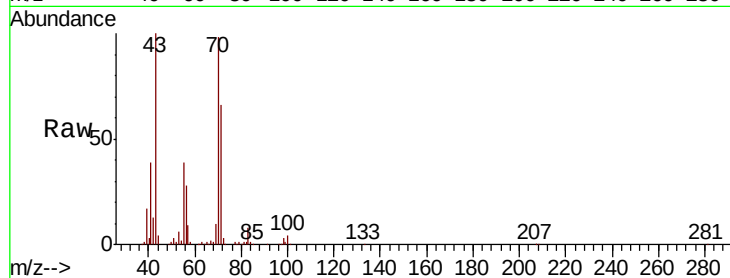
Tot Ion: 43 Resp: 148625

Ion Ratio Lower Upper

43 100

61 0.2 24.8 37.2#

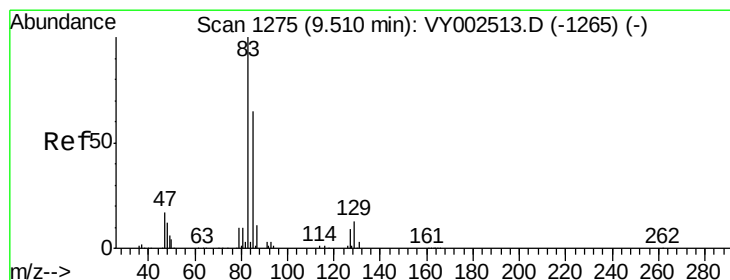
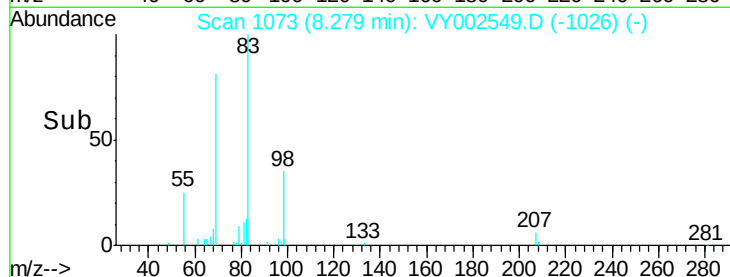
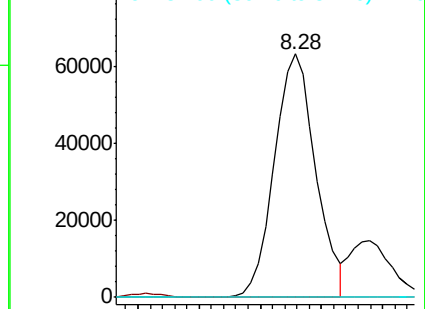
87 0.0 12.2 18.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 87.00 (86.70 to 87.70): VY0



#47

Bromodichloromethane

Concen: 1.161 ug/l

RT: 9.48 min Scan# 1270

Delta R.T. -0.03 min

Lab File: VY002549.D

Acq: 04 May 2020 18:17

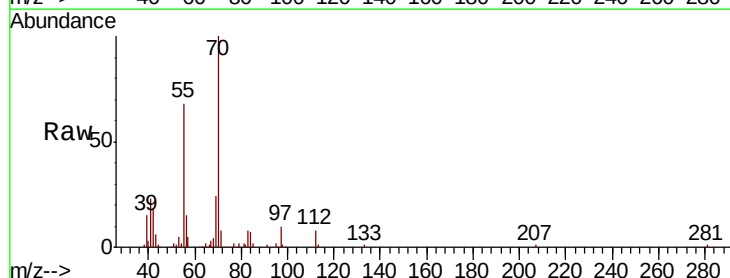
Tgt Ion: 83 Resp: 3859

Ion Ratio Lower Upper

83 100

85 22.9 51.8 77.8#

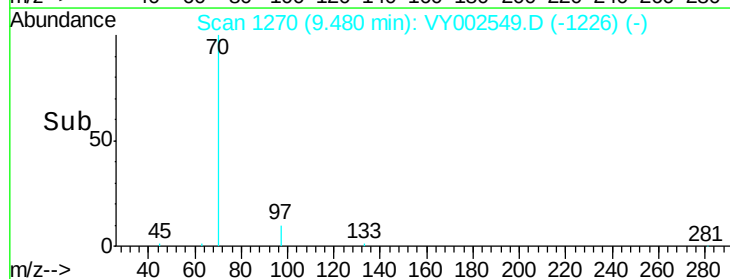
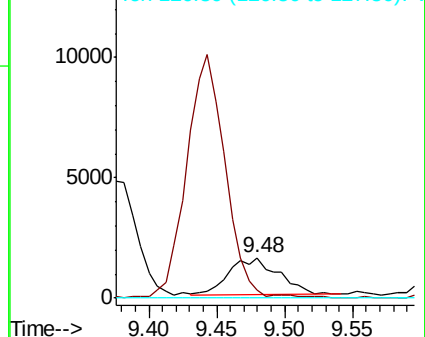
127 0.0 7.4 11.0#

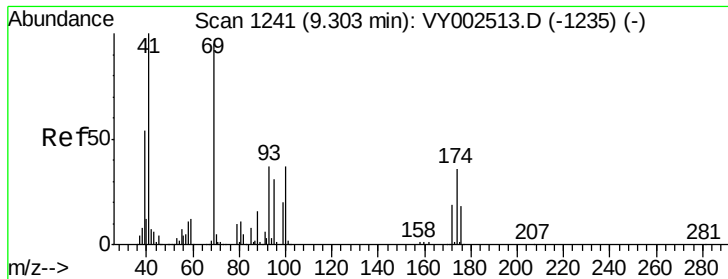


Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 126.80 (126.50 to 127.50): V

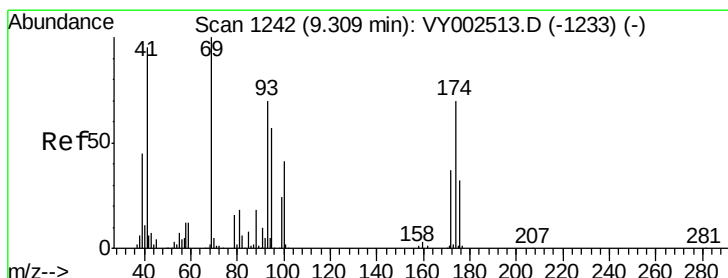
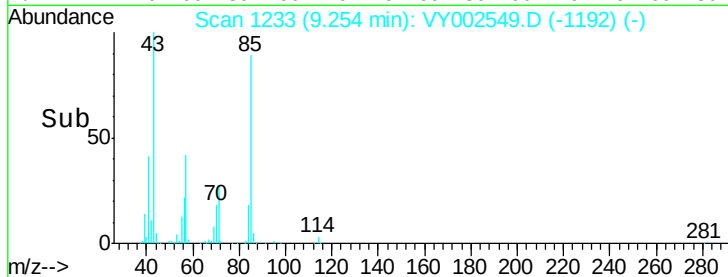
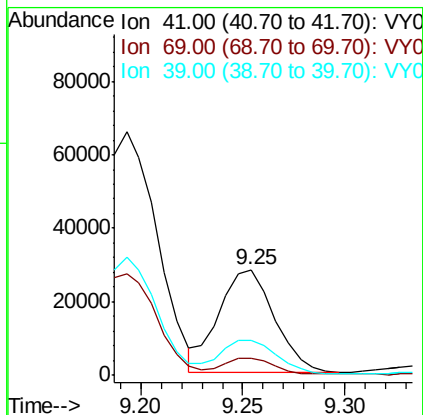
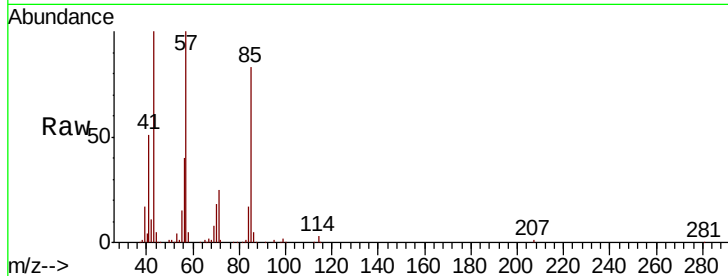




#48
Methvl methacrylate
Concen: 35.460 ug/l
RT: 9.25 min Scan# 1233
Delta R.T. -0.05 min
Lab File: VY002549.D
Acq: 04 May 2020 18:17

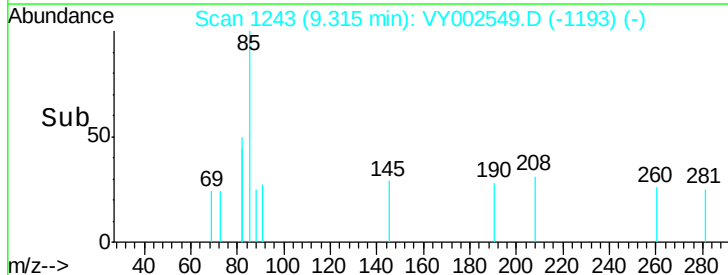
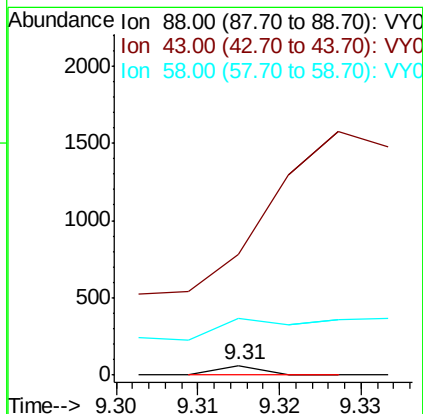
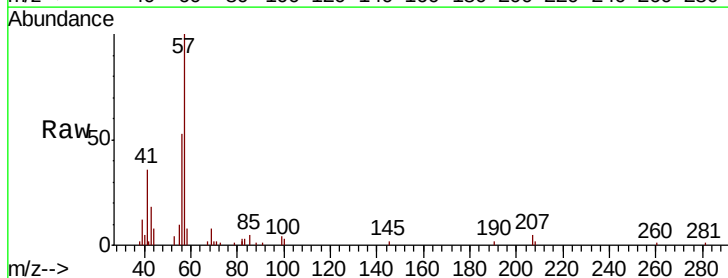
Instrument :
MSVOA_Y
ClientSampled :
207

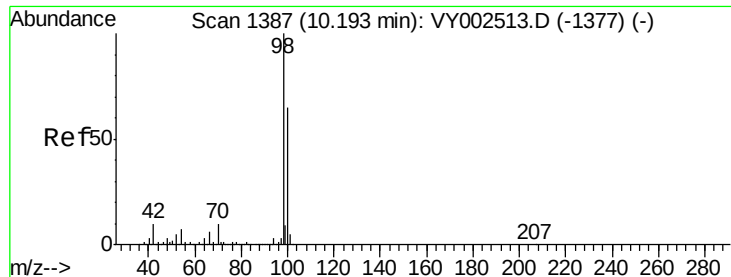
Tot Ion: 41 Resp: 52700
Ion Ratio Lower Upper
41 100
69 13.7 76.2 114.4#
39 35.6 42.7 64.1#



#49
1,4-Dioxane
Concen: 1.271 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY002549.D
Acq: 04 May 2020 18:17

Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 0.0 22.8 34.2#
58 4360.9 51.4 77.2#

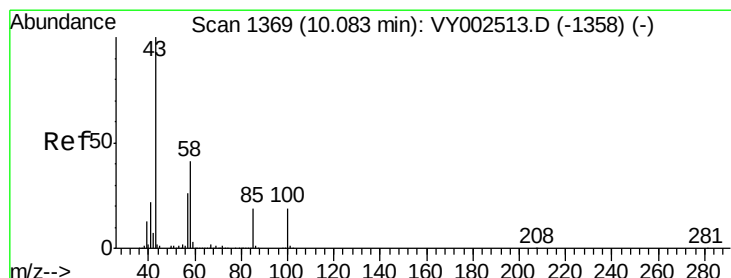
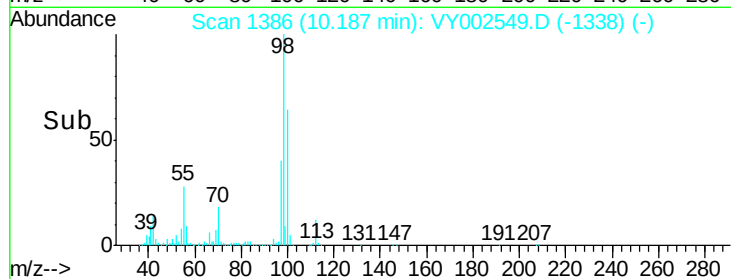
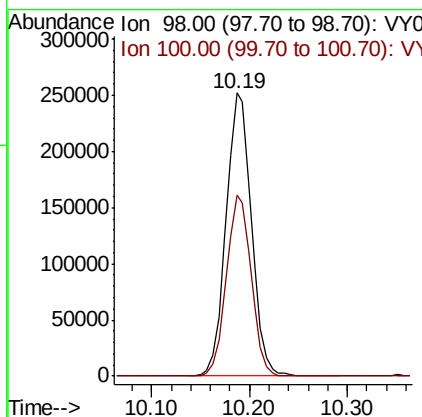
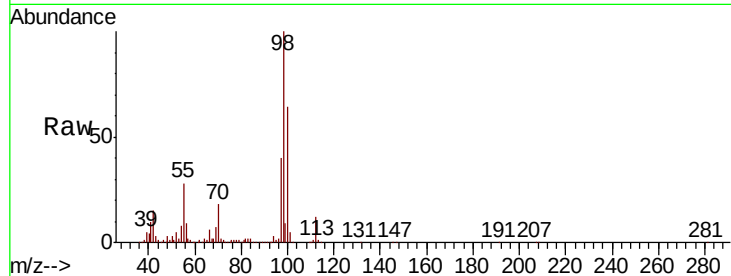




#50
Toluene-d8
Concen: 49.659 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY002549.D
Acq: 04 May 2020 18:17

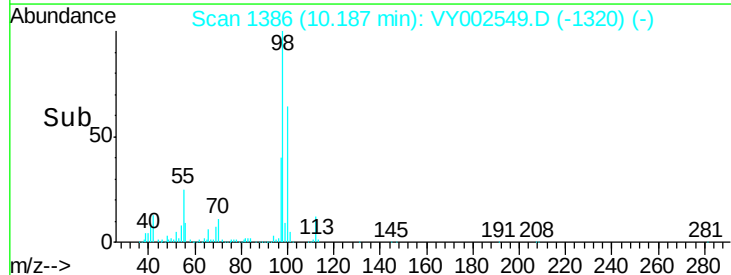
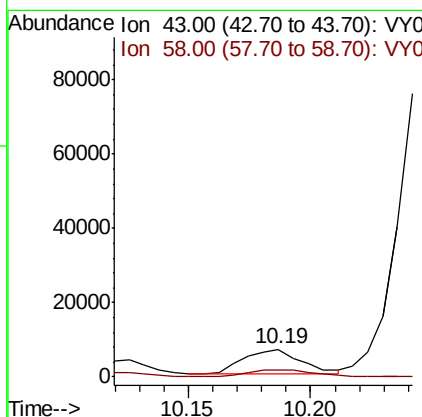
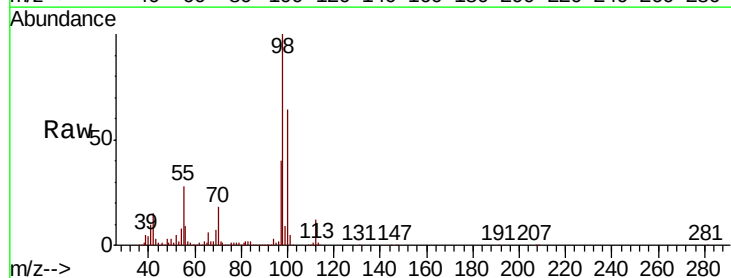
Instrument :
MSVOA_Y
ClientSampleId :
207

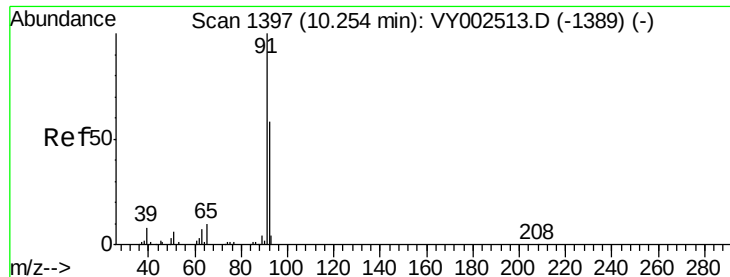
Tot Ion: 98 Resp: 450963
Ion Ratio Lower Upper
98 100
100 62.4 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 6.635 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.10 min
Lab File: VY002549.D
Acq: 04 May 2020 18:17

Tgt Ion: 43 Resp: 11231
Ion Ratio Lower Upper
43 100
58 29.9 33.2 49.8#





#52

Toluene

Concen: 2881.930 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY002549.D

Acq: 04 May 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

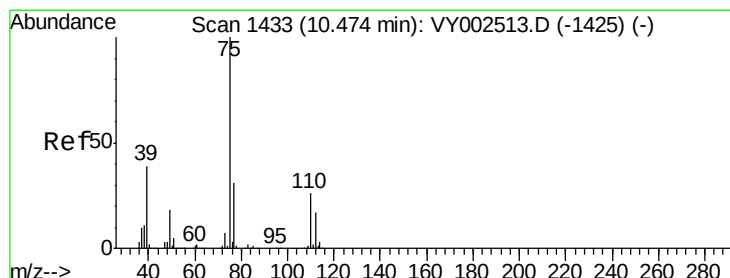
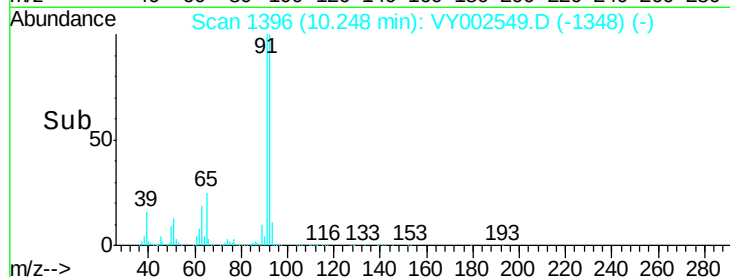
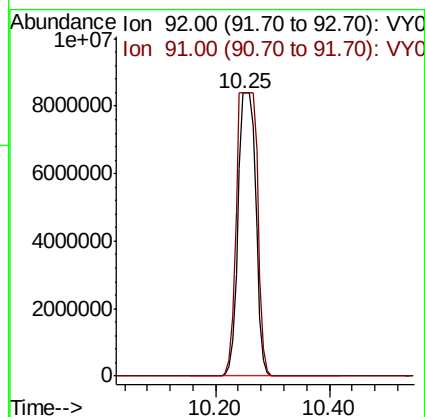
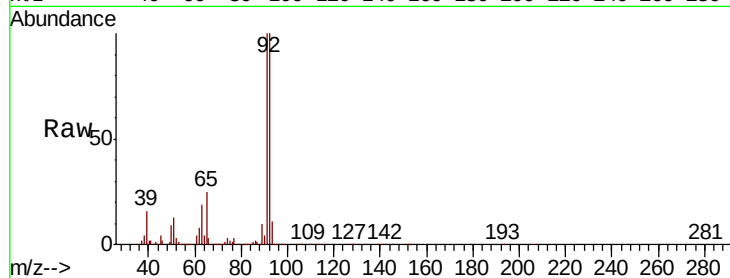
207

Tot Ion: 92 Resp:18234544

Ion Ratio Lower Upper

92 100

91 0.0 139.3 208.9#



#53

t-1,3-Dichloropropene

Concen: 79.674 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. -0.22 min

Lab File: VY002549.D

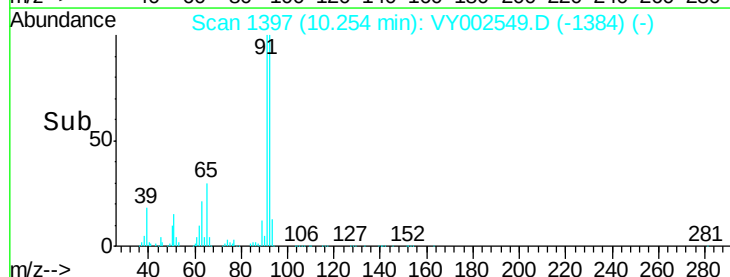
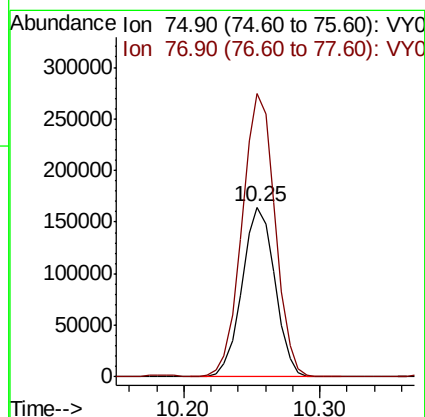
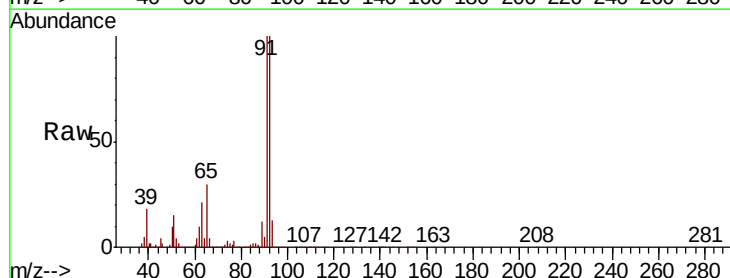
Acq: 04 May 2020 18:17

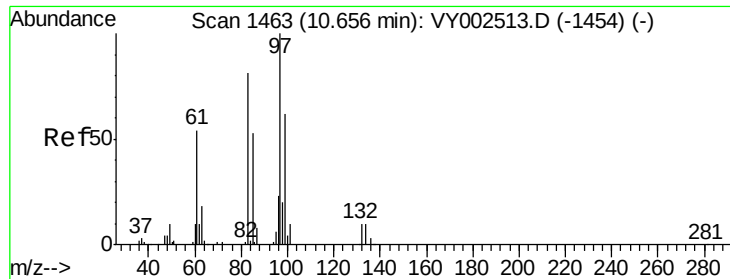
Tgt Ion: 75 Resp: 277494

Ion Ratio Lower Upper

75 100

77 166.4 25.0 37.6#

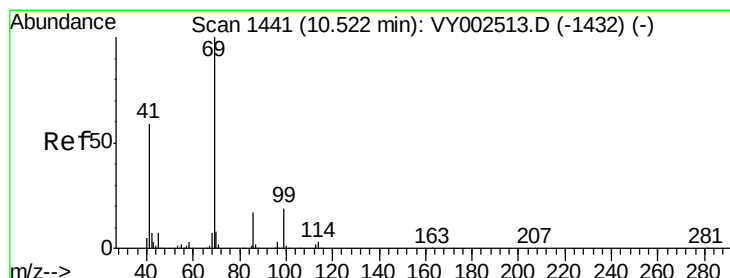
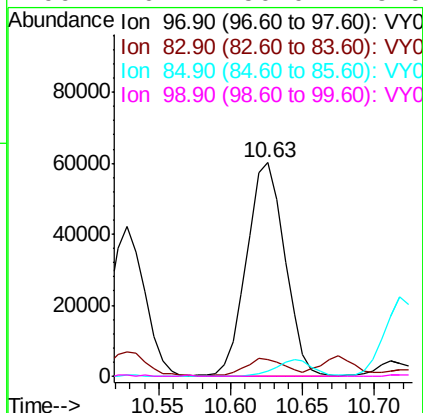
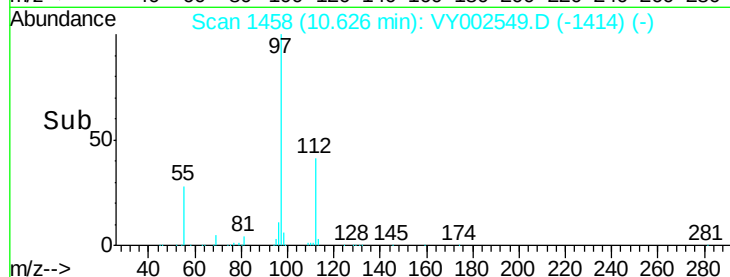
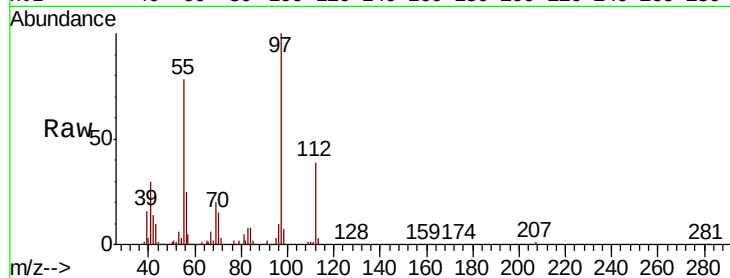




#55
 1,1,2-Trichloroethane
 Concen: 55.271 ug/l
 RT: 10.63 min Scan# 1458
 Delta R.T. -0.03 min
 Lab File: VY002549.D
 Acq: 04 May 2020 18:17

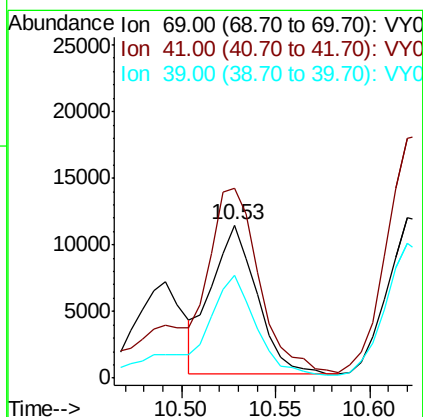
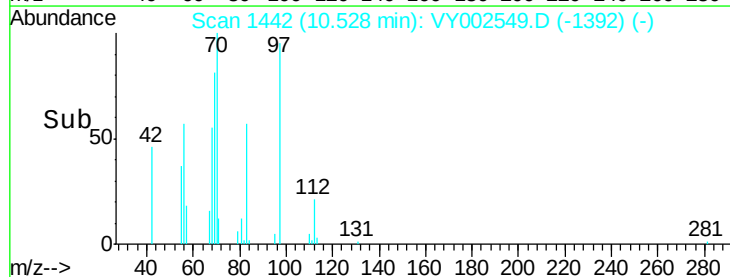
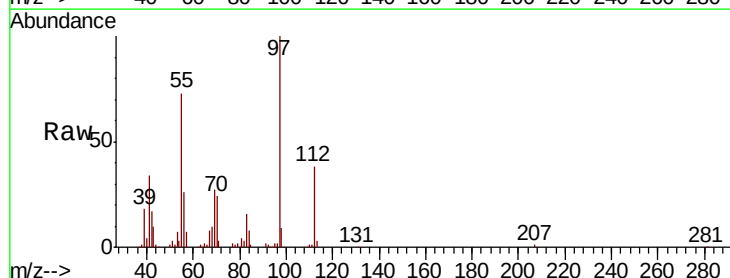
Instrument :
 MSVOA_Y
 ClientSampleId :
 207

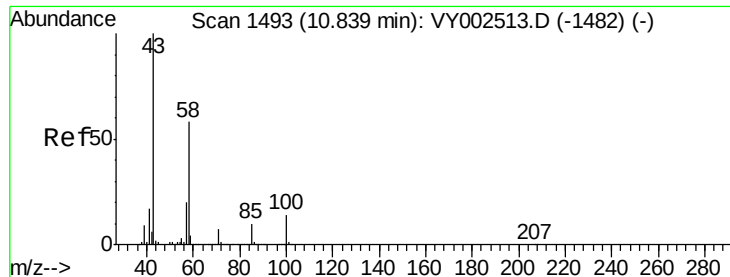
Tot Ion: 97 Resp: 110189
 Ion Ratio Lower Upper
 97 100
 83 7.1 65.1 97.7#
 85 2.1 42.7 64.1#
 99 0.2 50.0 75.0#



#56
 Ethyl methacrylate
 Concen: 7.071 ug/l
 RT: 10.53 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: VY002549.D
 Acq: 04 May 2020 18:17

Tgt Ion: 69 Resp: 18752
 Ion Ratio Lower Upper
 69 100
 41 172.2 48.6 73.0#
 39 0.0 25.0 37.4#

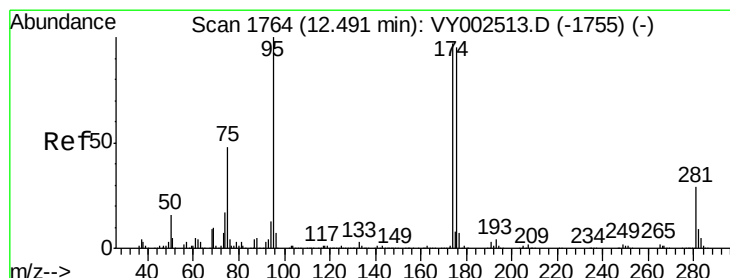
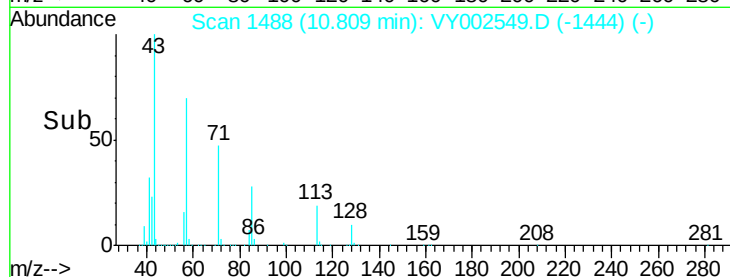
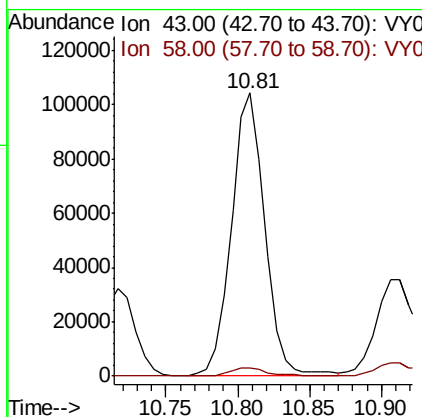
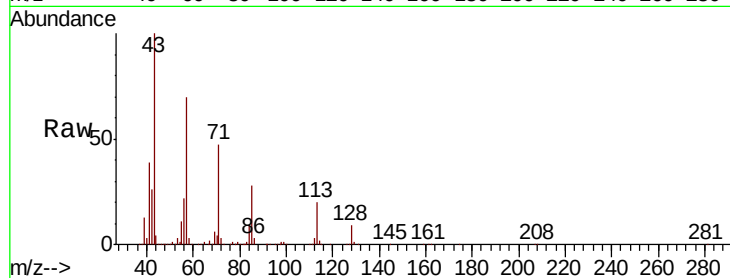




#59
2-Hexanone
Concen: 142.789 ug/l
RT: 10.81 min Scan# 1488
Delta R.T. -0.03 min
Lab File: VY002549.D
Acq: 04 May 2020 18:17

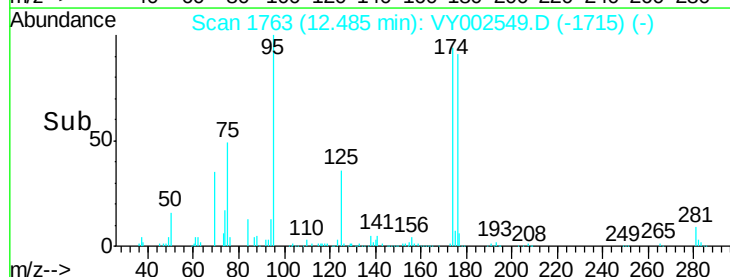
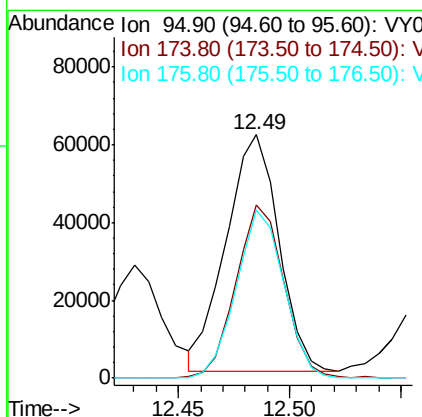
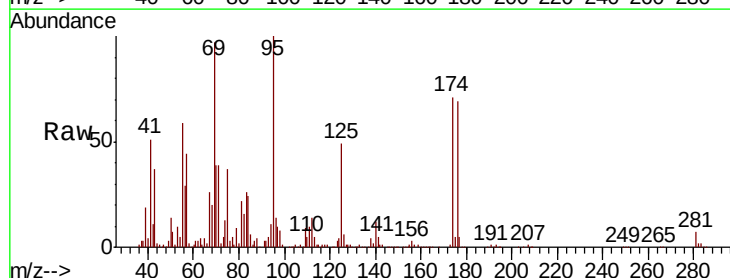
Instrument :
MSVOA_Y
ClientSampled :
207

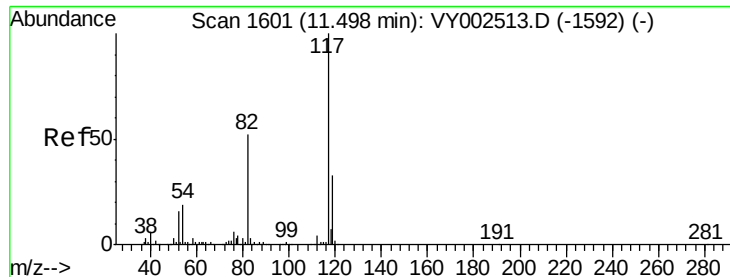
Tot Ion: 43 Resp: 166347
Ion Ratio Lower Upper
43 100
58 3.6 29.1 87.3#



#62
4-Bromofluorobenzene
Concen: 32.485 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY002549.D
Acq: 04 May 2020 18:17

Tgt Ion: 95 Resp: 100102
Ion Ratio Lower Upper
95 100
174 66.4 0.0 188.8
176 64.4 0.0 183.2

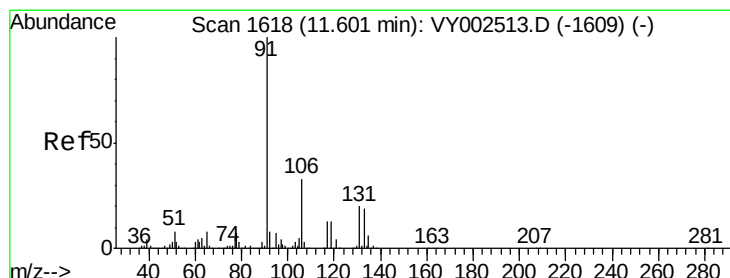
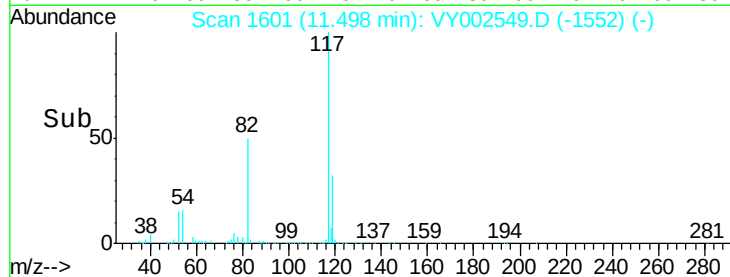
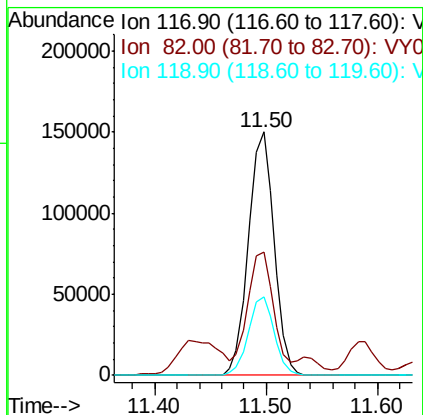
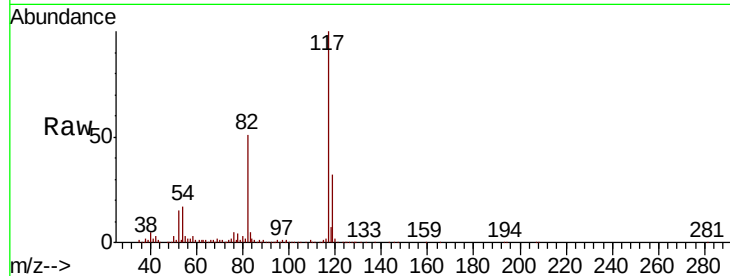




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY002549.D
Acq: 04 May 2020 18:17

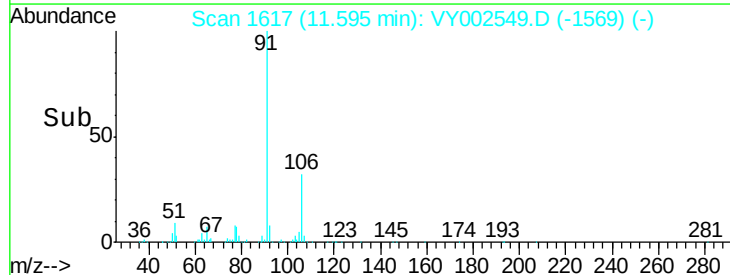
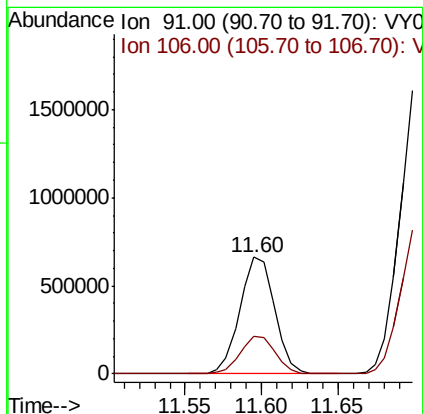
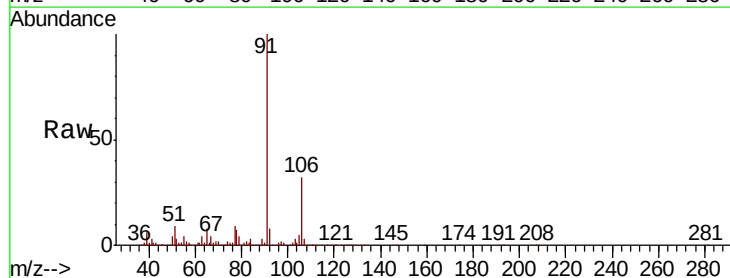
Instrument :
MSVOA_Y
ClientSampled :
207

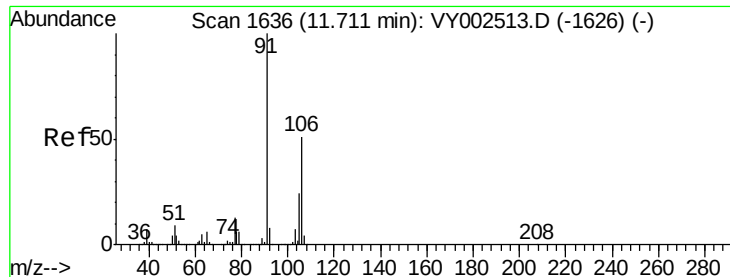
Tot Ion:117 Resp: 241050
Ion Ratio Lower Upper
117 100
82 47.8 41.3 61.9
119 32.3 26.0 39.0



#67
Ethyl Benzene
Concen: 130.059 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY002549.D
Acq: 04 May 2020 18:17

Tgt Ion: 91 Resp: 1046879
Ion Ratio Lower Upper
91 100
106 32.2 26.1 39.1





#68

m/p-Xylenes

Concen: 490.242 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VY002549.D

Acq: 04 May 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

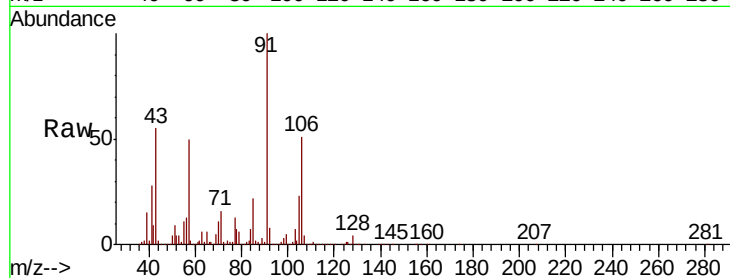
207

Tot Ion:106 Resp: 1526824

Ion Ratio Lower Upper

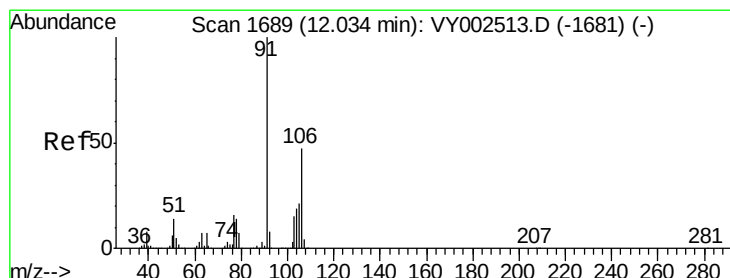
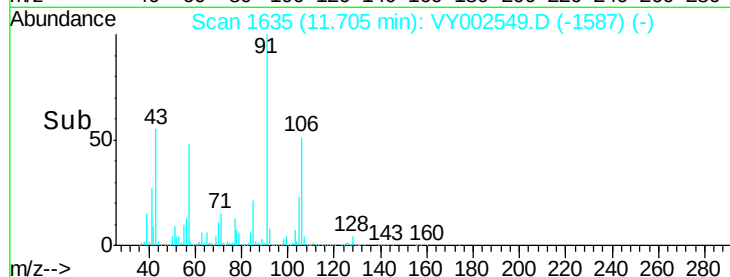
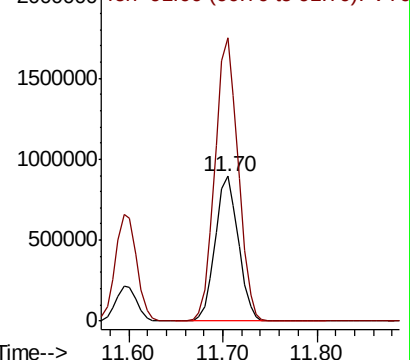
106 100

91 195.9 155.2 232.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#69

o-Xylene

Concen: 258.004 ug/l

RT: 12.03 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VY002549.D

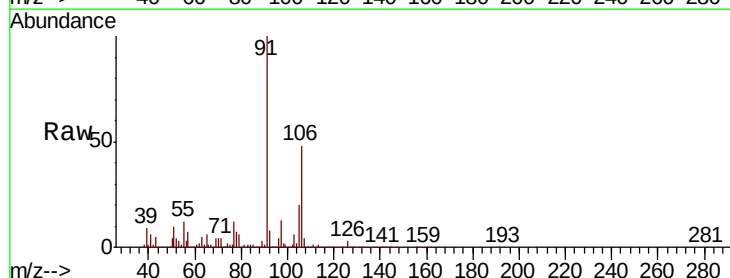
Acq: 04 May 2020 18:17

Tgt Ion:106 Resp: 752364

Ion Ratio Lower Upper

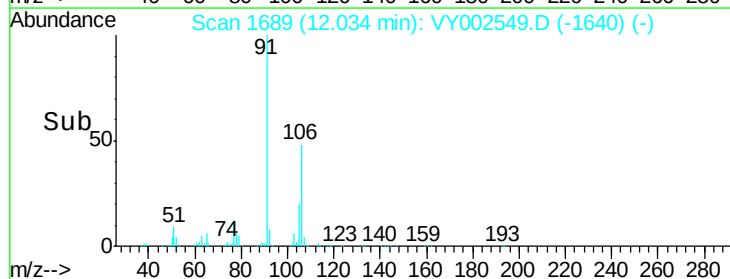
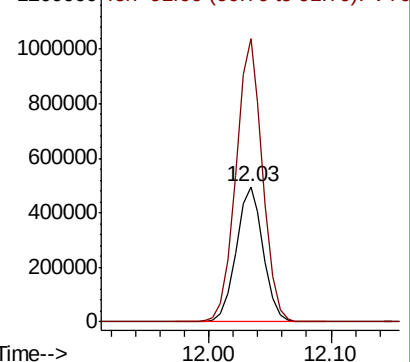
106 100

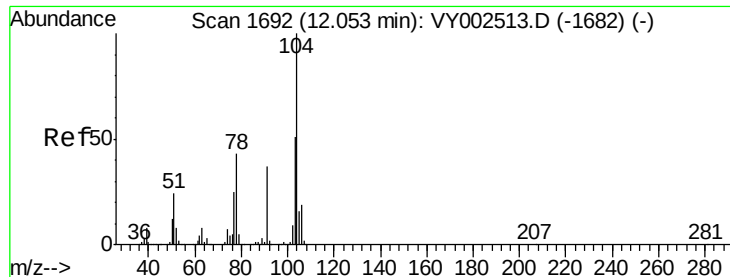
91 207.0 103.8 311.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#70

Stvrene

Concen: 7.686 ug/l

RT: 12.03 min Scan# 1689

Delta R.T. -0.02 min

Lab File: VY002549.D

Acq: 04 May 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

207

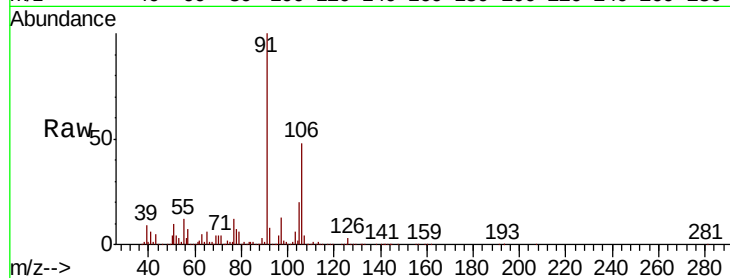
Tot Ion:104 Resp: 38315

Ion Ratio Lower Upper

104 100

78 283.6 37.4 56.0#

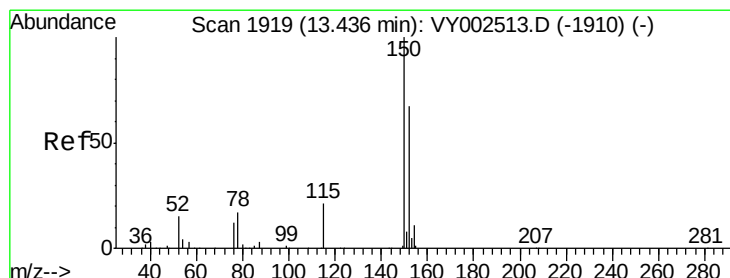
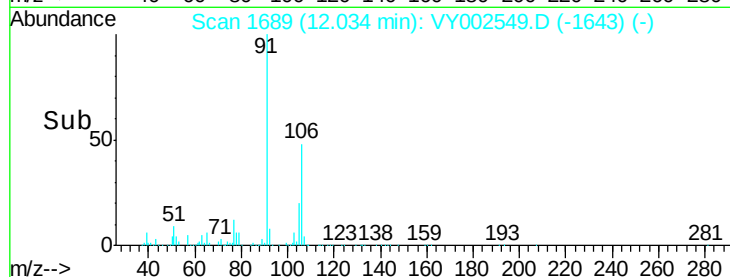
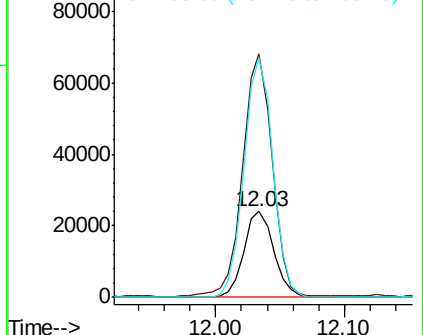
103 270.3 43.9 65.9#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY002549.D

Acq: 04 May 2020 18:17

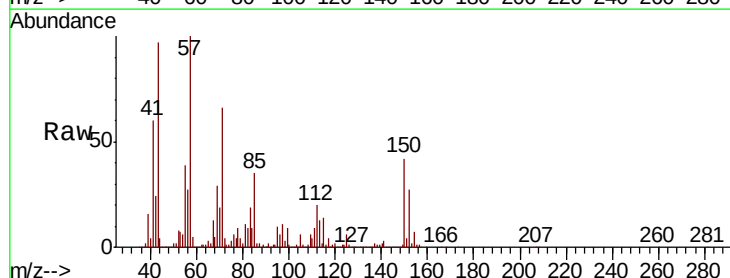
Tgt Ion:152 Resp: 46023

Ion Ratio Lower Upper

152 100

115 49.8 27.5 82.4

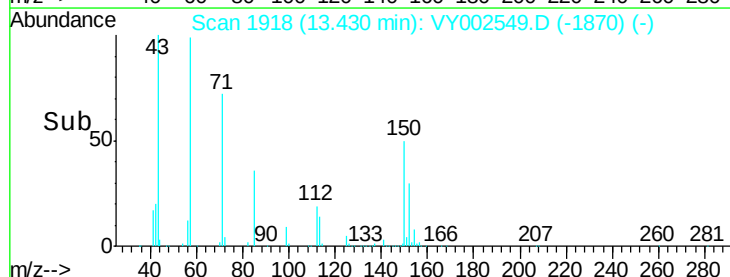
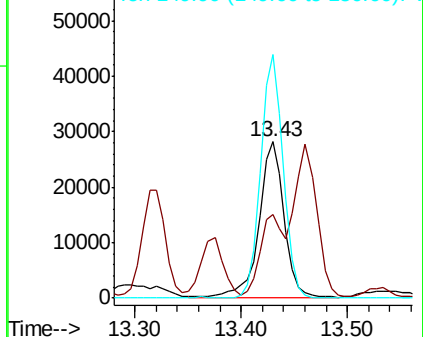
150 140.7 0.0 346.4

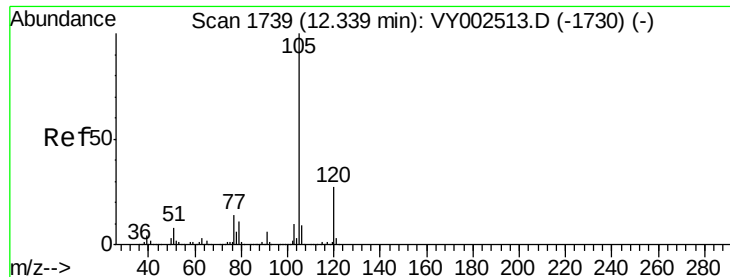


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 148.142 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY002549.D

Acq: 04 May 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

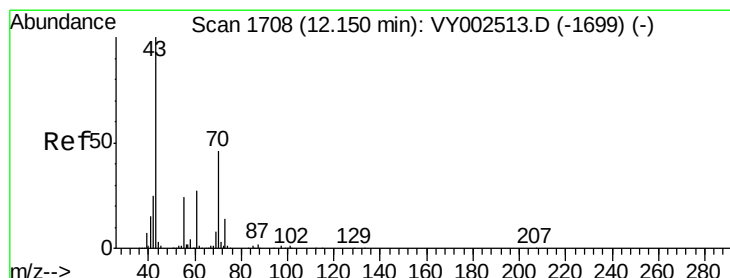
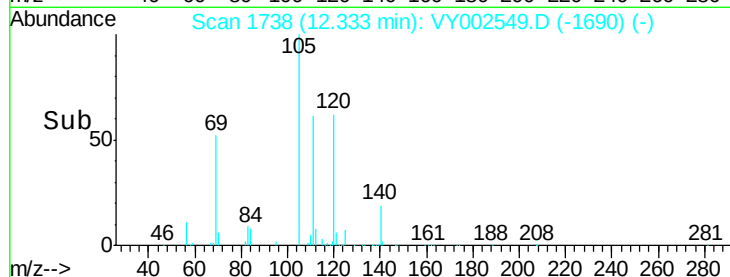
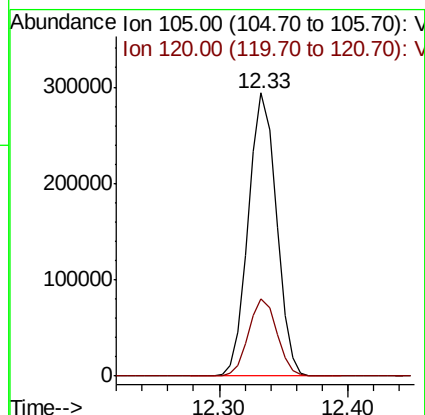
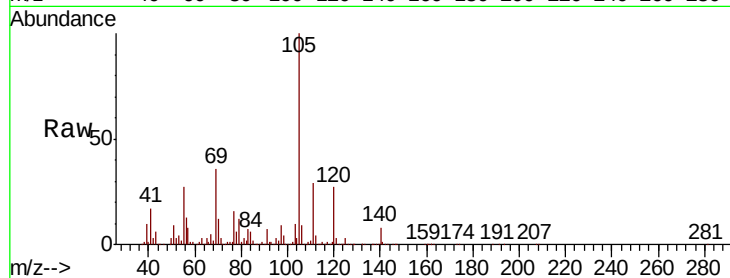
207

Tot Ion:105 Resp: 441869

Ion Ratio Lower Upper

105 100

120 27.5 13.8 41.3



#74

N-ethyl acetate

Concen: 549.625 ug/l

RT: 12.13 min Scan# 1704

Delta R.T. -0.02 min

Lab File: VY002549.D

Acq: 04 May 2020 18:17

Tgt Ion: 43 Resp: 394361

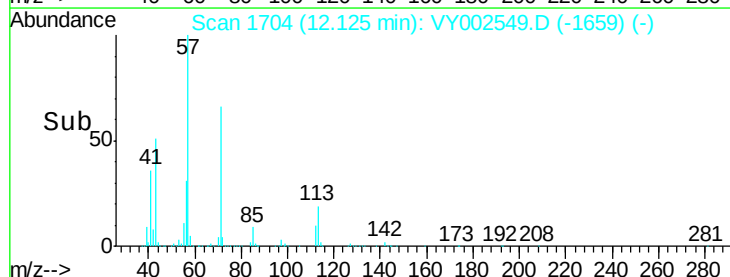
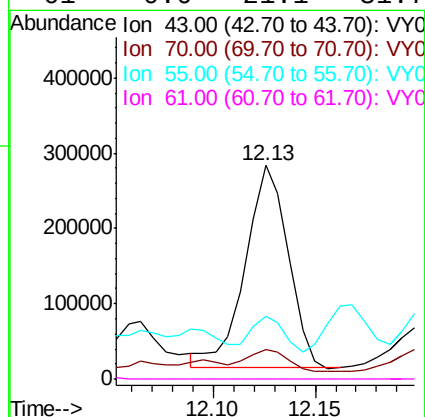
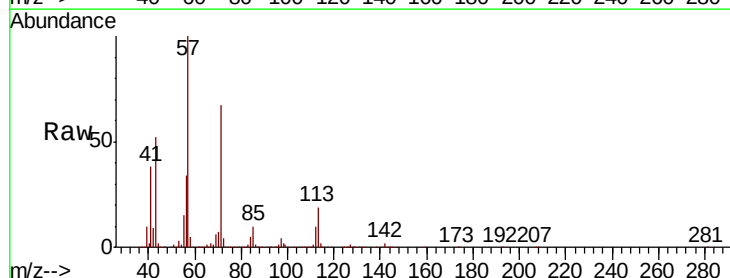
Ion Ratio Lower Upper

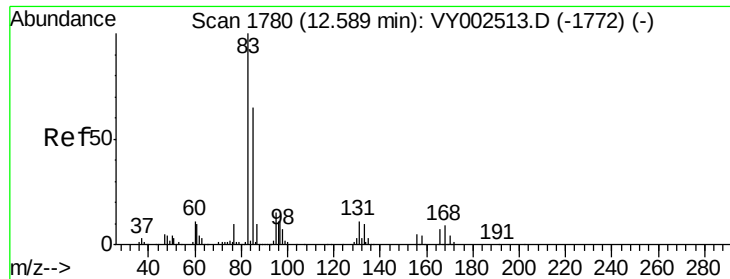
43 100

70 10.0 36.7 55.1#

55 13.6 19.2 28.8#

61 0.0 21.1 31.7#





#75

1,1,2,2-Tetrachloroethane

Concen: 77.068 ug/l

RT: 12.53 min Scan# 1771

Delta R.T. -0.06 min

Lab File: VY002549.D

Acq: 04 May 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

207

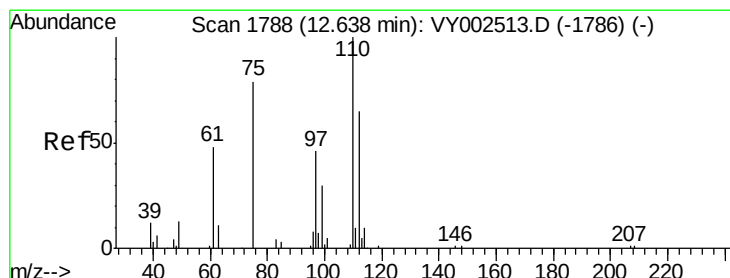
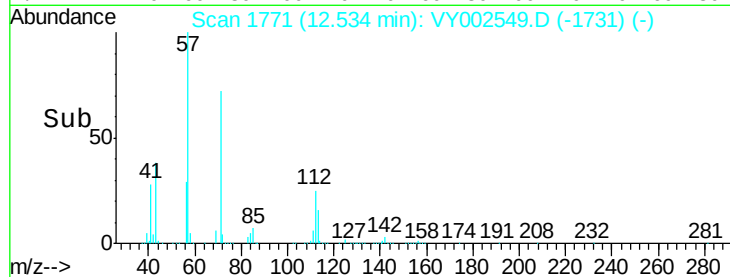
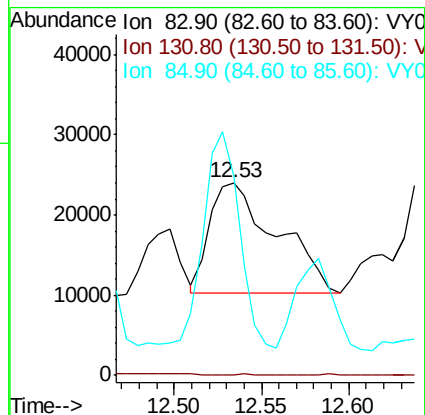
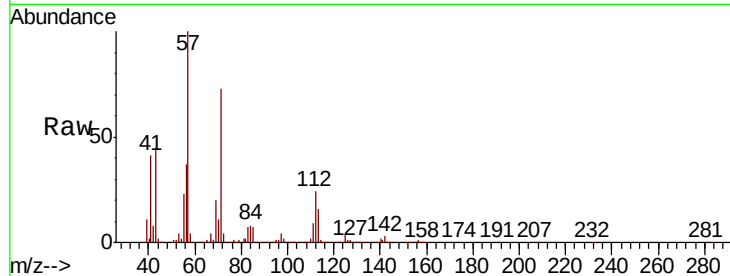
Tot Ion: 83 Resp: 36558

Ion Ratio Lower Upper

83 100

131 0.0 5.9 17.8#

85 105.1 31.9 95.9#



#76

1,2,3-Trichloropropane

Concen: 23.751 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.04 min

Lab File: VY002549.D

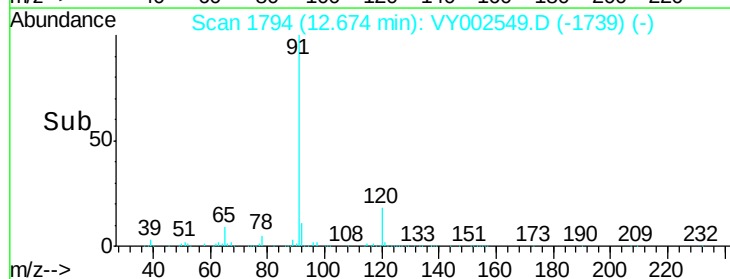
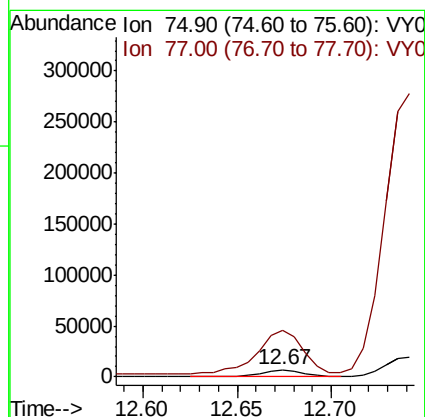
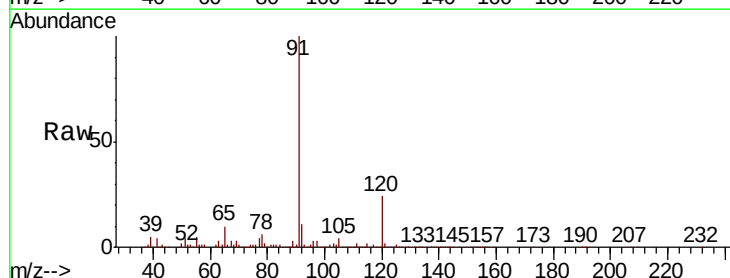
Acq: 04 May 2020 18:17

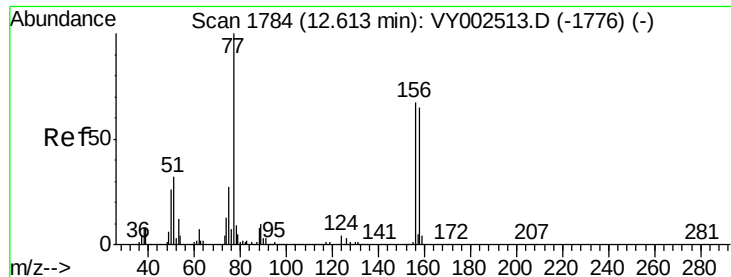
Tgt Ion: 75 Resp: 9714

Ion Ratio Lower Upper

75 100

77 769.1 0.0 0.0#





#77

Bromobenzene

Concen: 19.105 ug/l

RT: 12.52 min Scan# 1769

Delta R.T. -0.09 min

Lab File: VY002549.D

Acq: 04 May 2020 18:17

Instrument :

MSVOA_Y

ClientSampled :

207

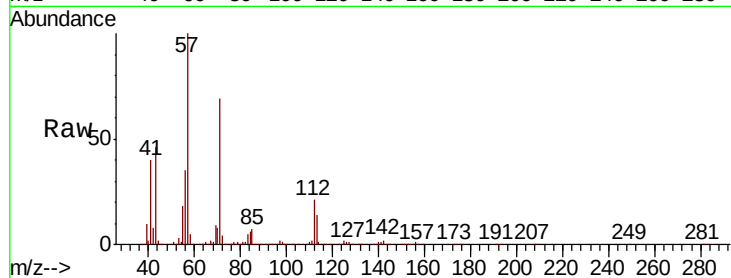
Tot Ion:156 Resp: 14237

Ion Ratio Lower Upper

156 100

77 0.0 82.0 245.8#

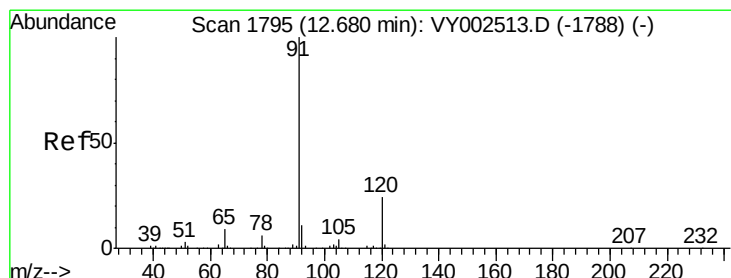
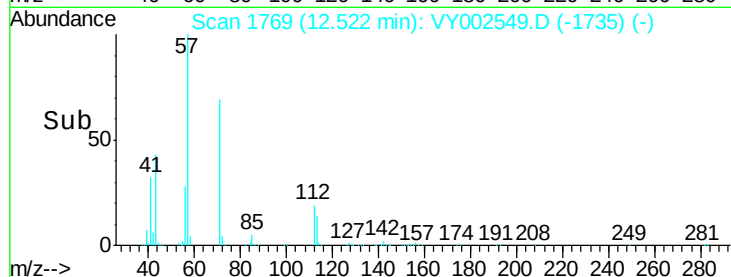
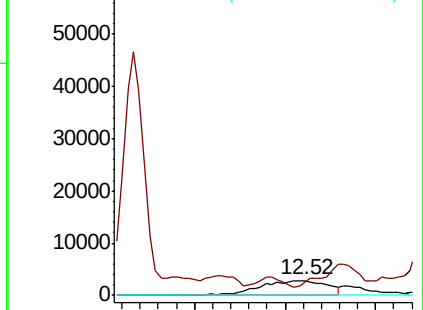
158 0.4 48.5 145.6#



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: 493.024 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VY002549.D

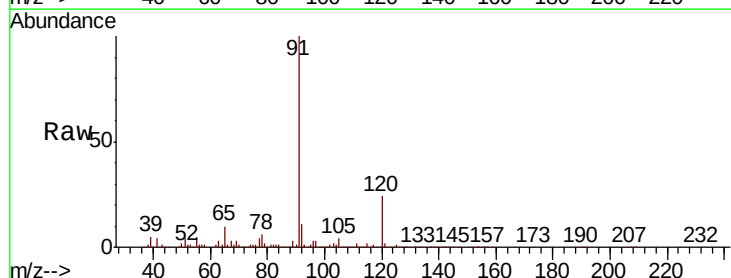
Acq: 04 May 2020 18:17

Tgt Ion: 91 Resp: 1706555

Ion Ratio Lower Upper

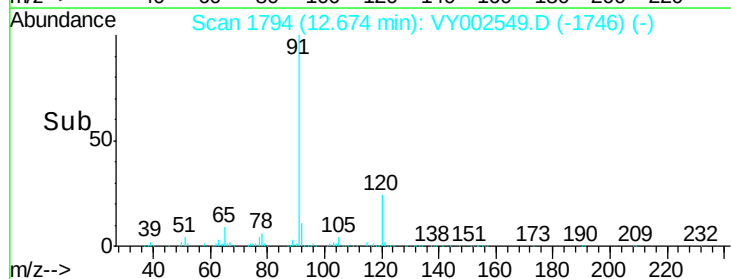
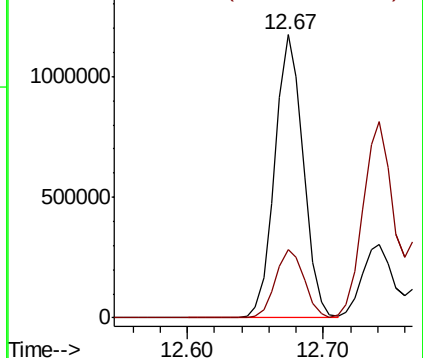
91 100

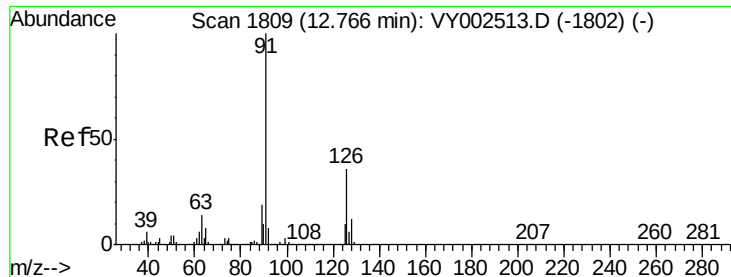
120 24.5 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 239.704 ug/l

RT: 12.74 min Scan# 1805

Delta R.T. -0.02 min

Lab File: VY002549.D

Acq: 04 May 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

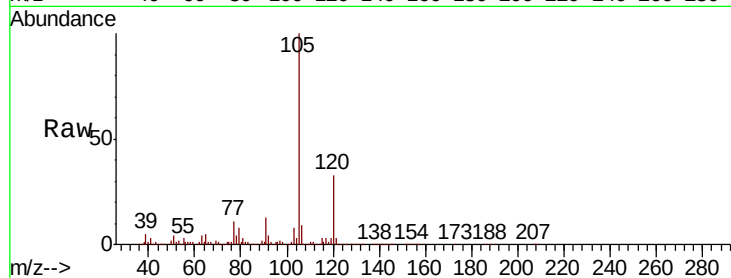
207

Tot Ion: 91 Resp: 459601

Ion Ratio Lower Upper

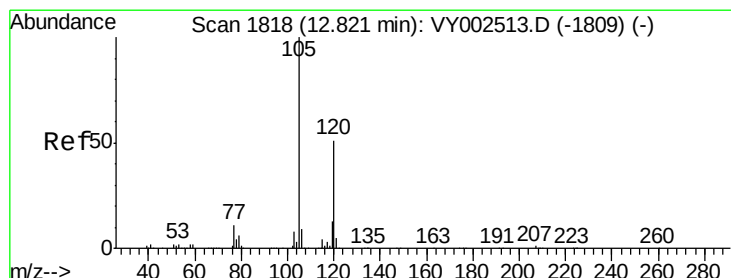
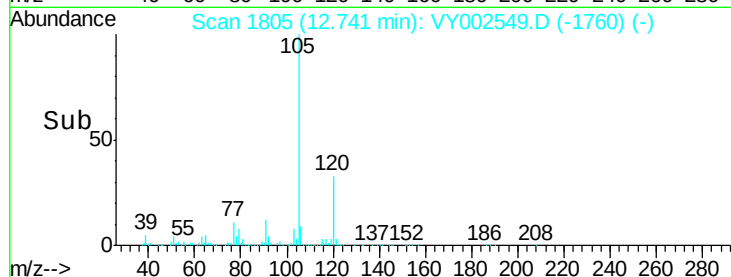
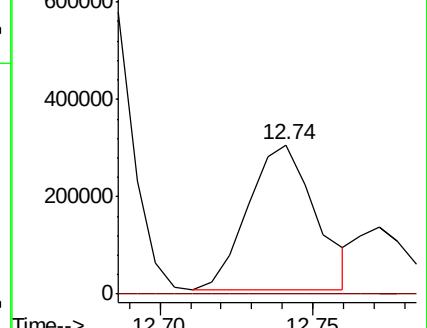
91 100

126 0.3 18.4 55.2#



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 465.817 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY002549.D

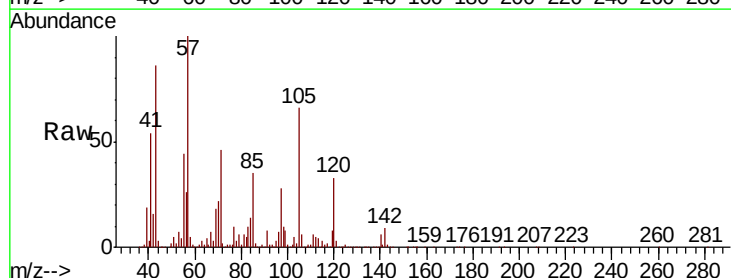
Acq: 04 May 2020 18:17

Tgt Ion: 105 Resp: 1151711

Ion Ratio Lower Upper

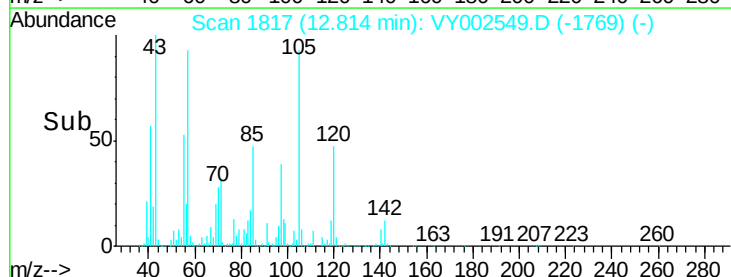
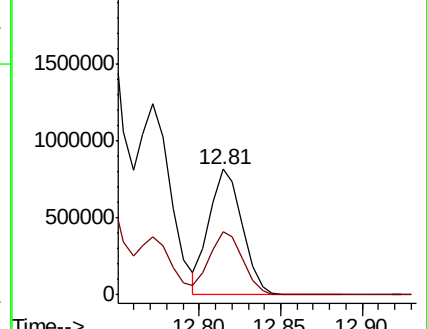
105 100

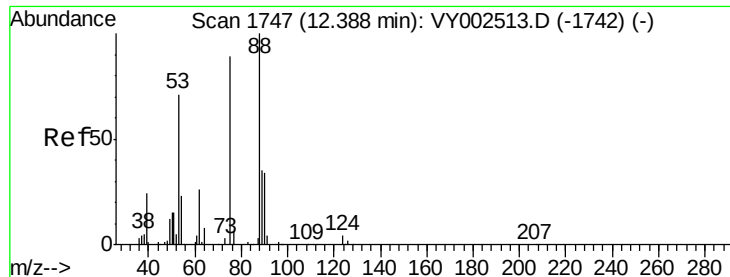
120 50.6 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 24.131 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.06 min

Lab File: VY002549.D

Acq: 04 May 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

207

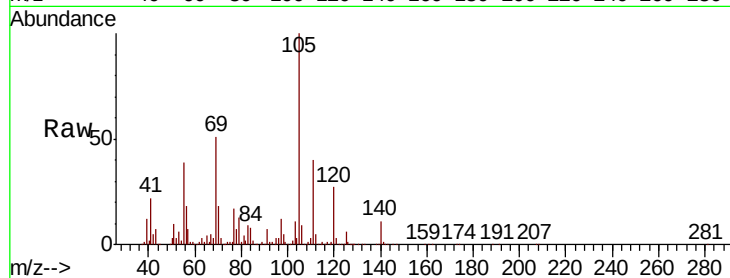
Tot Ion: 75 Resp: 4922

Ion Ratio Lower Upper

75 100

53 198.8 67.4 101.0#

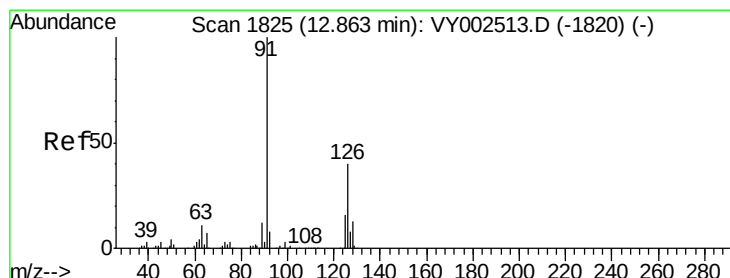
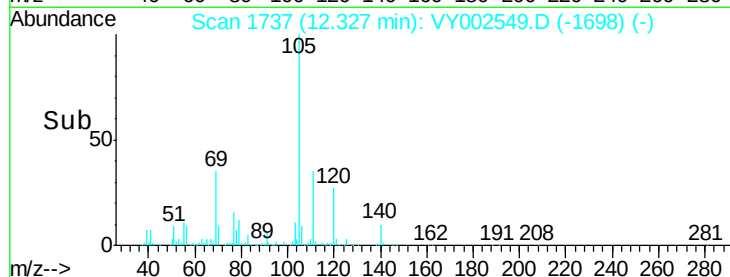
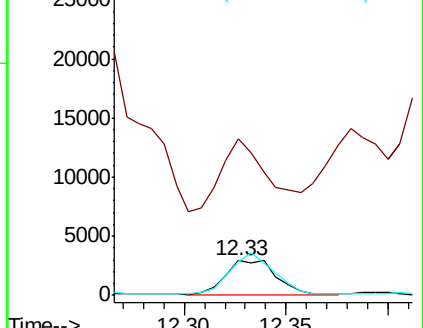
89 105.1 37.4 56.0#



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: 61.912 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.05 min

Lab File: VY002549.D

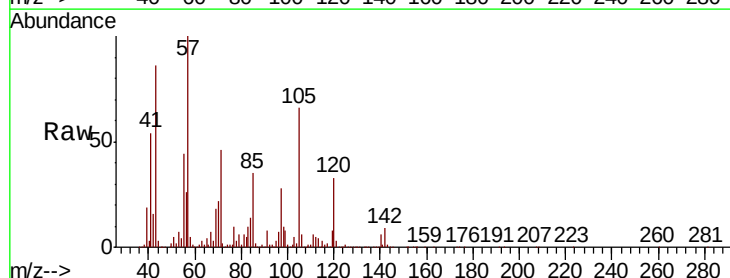
Acq: 04 May 2020 18:17

Tgt Ion: 91 Resp: 124693

Ion Ratio Lower Upper

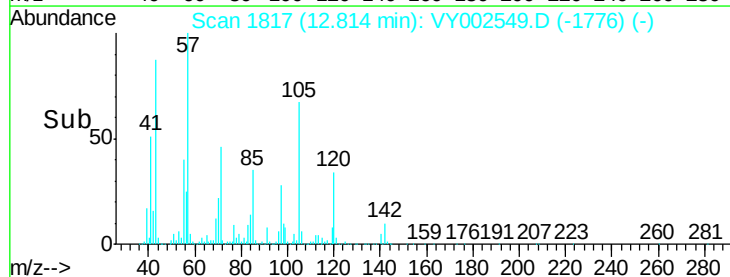
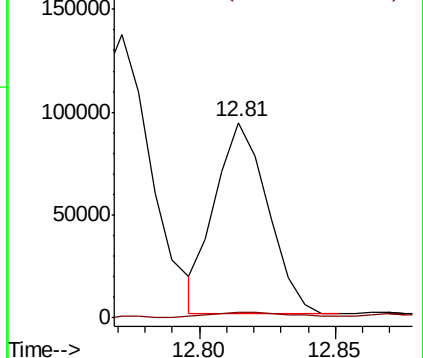
91 100

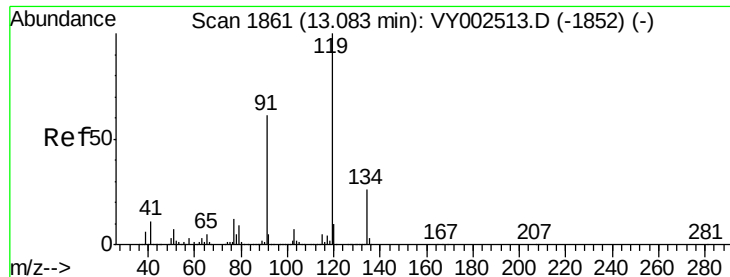
126 4.3 18.5 55.5#



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

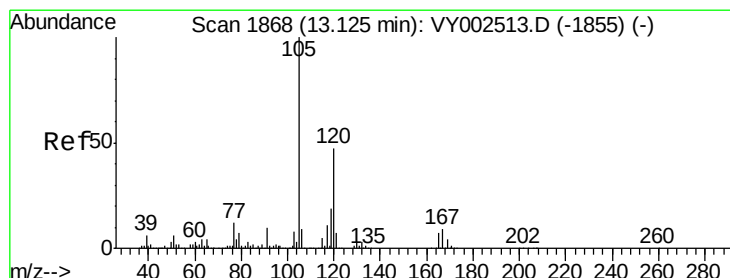
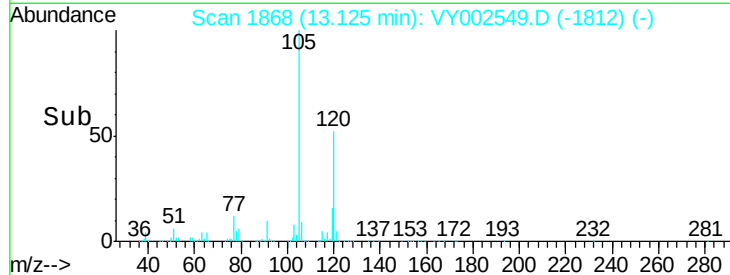
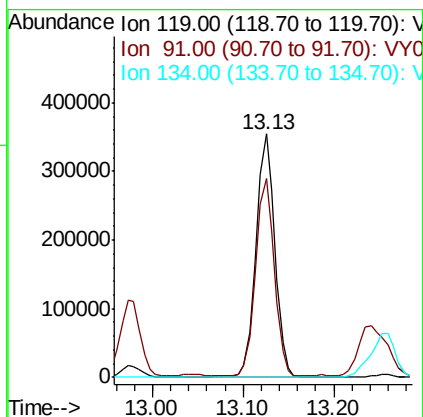
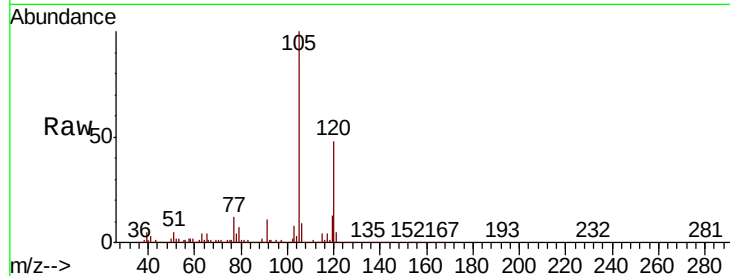




#83
 tert-Butylbenzene
 Concen: 235.249 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. 0.04 min
 Lab File: VY002549.D
 Acq: 04 May 2020 18:17

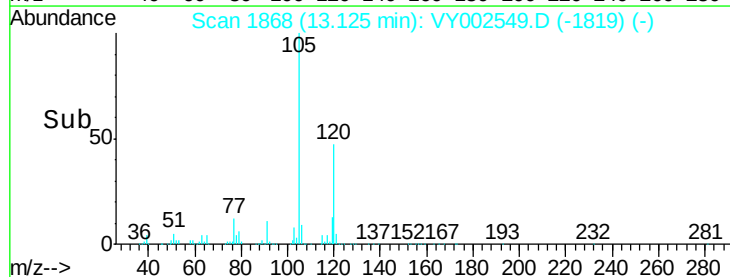
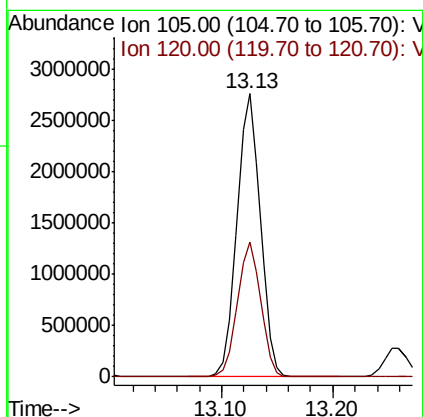
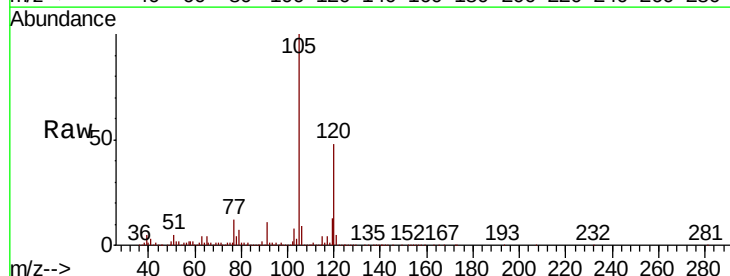
Instrument :
 MSVOA_Y
 ClientSampleId :
 207

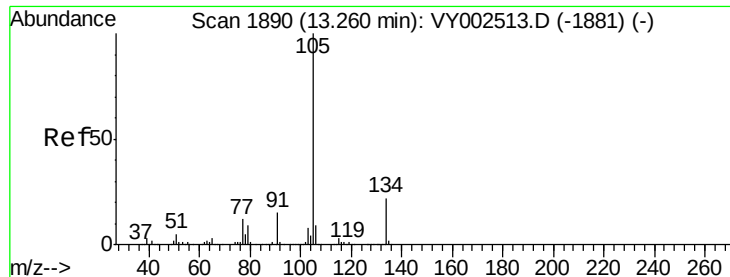
Tot Ion:119 Resp: 509997
 Ion Ratio Lower Upper
 119 100
 91 80.7 30.6 91.6
 134 0.0 13.5 40.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 1622.311 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VY002549.D
 Acq: 04 May 2020 18:17

Tgt Ion:105 Resp: 3997506
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.4 70.3





#85

sec-Butylbenzene

Concen: 140.437 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VY002549.D

Acq: 04 May 2020 18:17

Instrument :

MSVOA_Y

ClientSampleId :

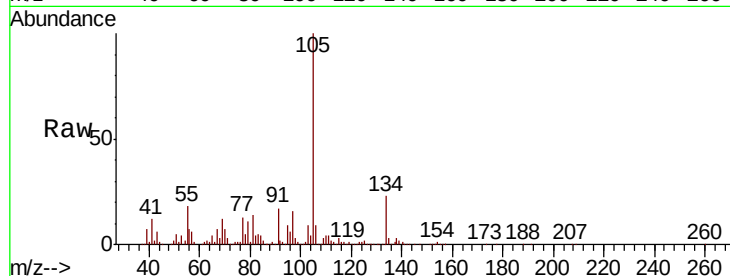
207

Tot Ion:105 Resp: 422469

Ion Ratio Lower Upper

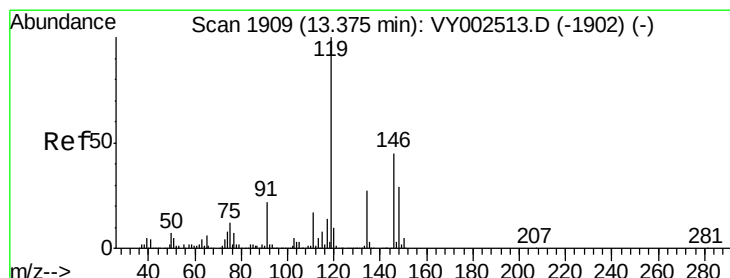
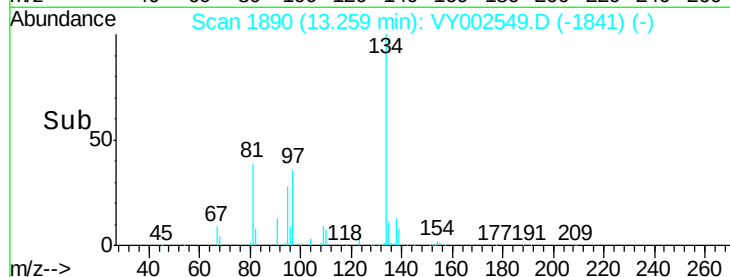
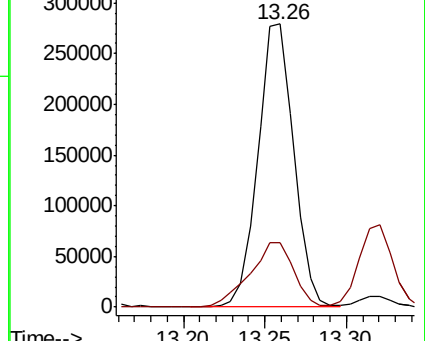
105 100

134 28.6 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: 70.925 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.00 min

Lab File: VY002549.D

Acq: 04 May 2020 18:17

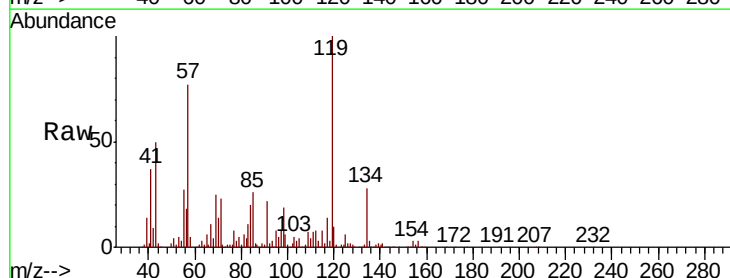
Tgt Ion:119 Resp: 199917

Ion Ratio Lower Upper

119 100

134 27.3 13.5 40.5

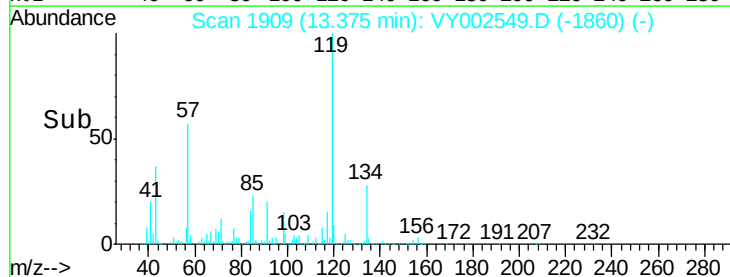
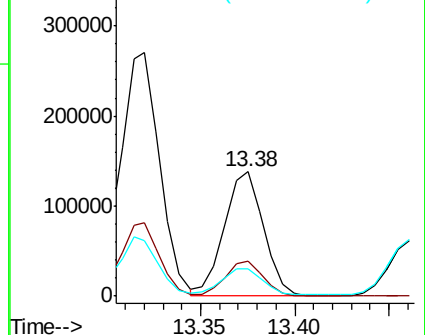
91 22.1 10.9 32.9

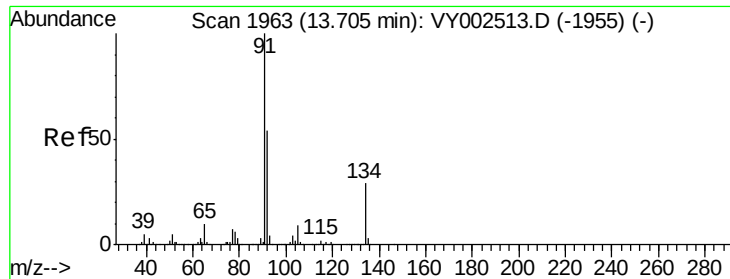


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#89

n-Butylbenzene

Concen: 198.964 ug/l

RT: 13.70 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VY002549.D

Acq: 04 May 2020 18:17

Instrument :

MSVOA_Y

ClientSampled :

207

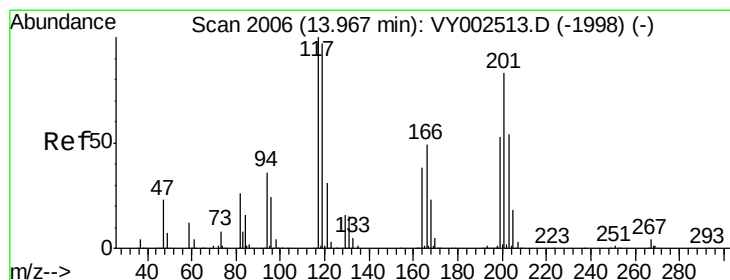
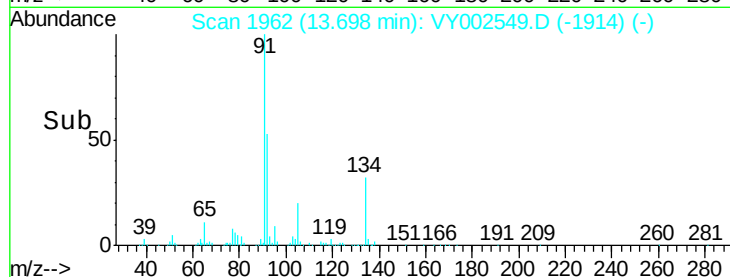
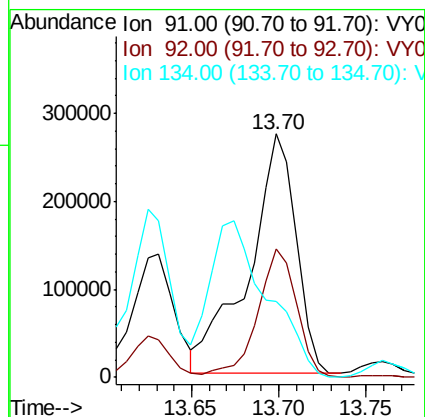
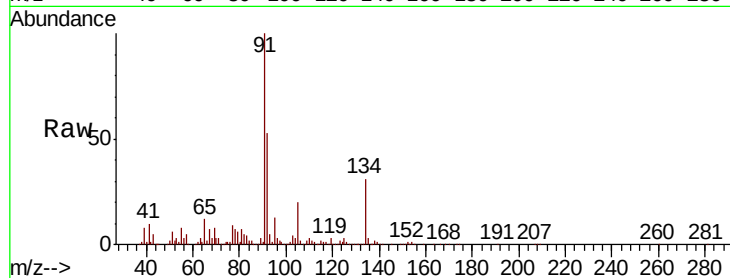
Tot Ion: 91 Resp: 510541

Ion Ratio Lower Upper

91 100

92 43.8 27.1 81.3

134 0.0 14.4 43.0#



#90

Hexachloroethane

Concen: 77.806 ug/l

RT: 13.98 min Scan# 2008

Delta R.T. 0.01 min

Lab File: VY002549.D

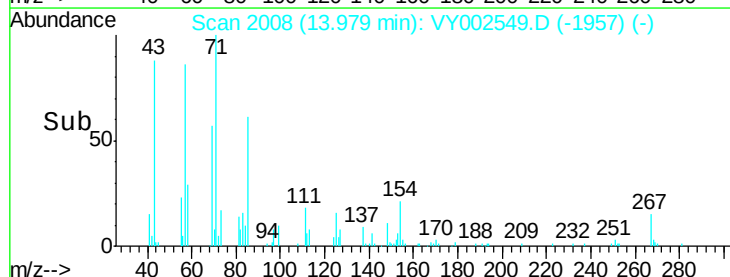
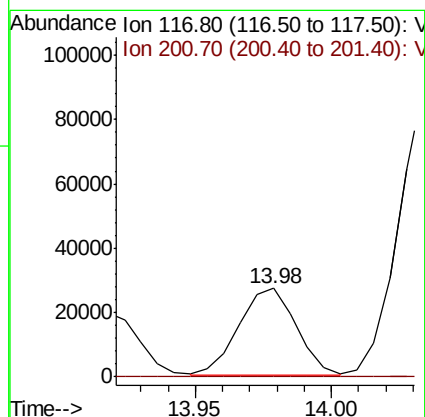
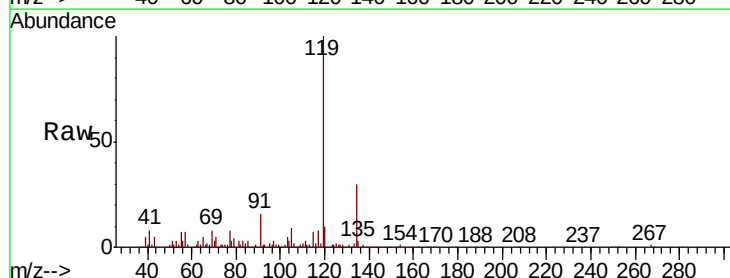
Acq: 04 May 2020 18:17

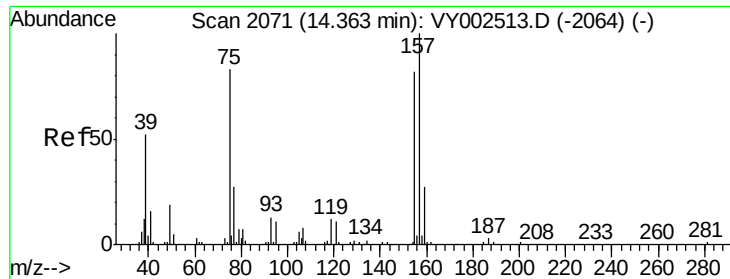
Tgt Ion: 117 Resp: 39939

Ion Ratio Lower Upper

117 100

201 0.0 44.4 133.2#

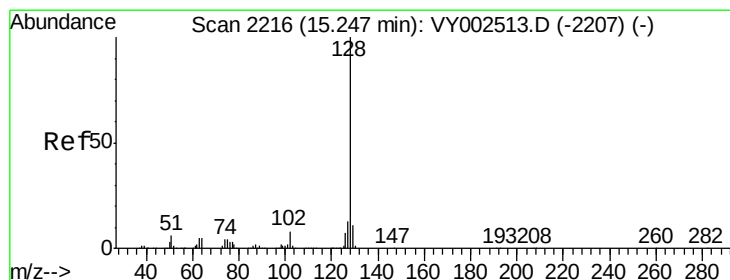
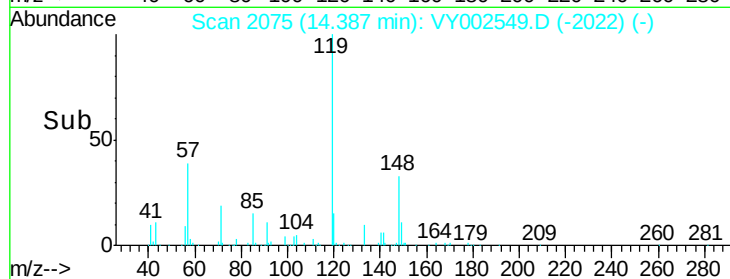
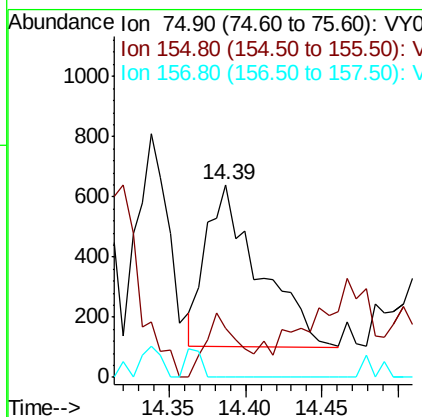
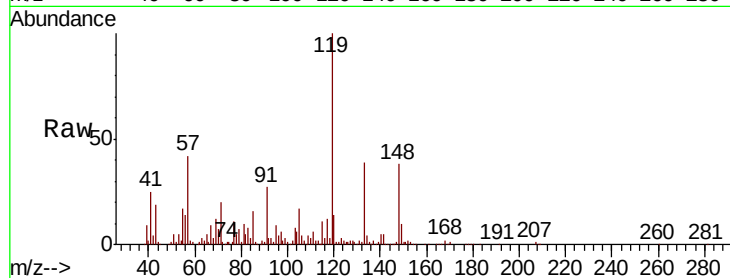




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 14.804 ug/l
 RT: 14.39 min Scan# 2075
 Delta R.T. 0.02 min
 Lab File: VY002549.D
 Acq: 04 May 2020 18:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 207

Tot Ion: 75 Resp: 1309
 Ion Ratio Lower Upper
 75 100
 155 24.5 51.3 153.9#
 157 0.0 65.0 195.0#



#95
 Naphthalene
 Concen: 46.977 ug/l
 RT: 15.24 min Scan# 2215
 Delta R.T. -0.01 min
 Lab File: VY002549.D
 Acq: 04 May 2020 18:17

Tgt Ion: 128 Resp: 78303
 Ion Ratio Lower Upper
 128 100
 127 13.7 10.5 15.7
 129 11.6 8.8 13.2

