

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052020\
 Data File : VY002728.D
 Acq On : 20 May 2020 14:13
 Operator : SY/MD
 Sample : L2665-02
 Misc : 5.01G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 21 02:45:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 16 04:52:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	270606	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	412932	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	295061	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	111474	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	122300	57.78	ug/l	0.00
Spiked Amount			Recovery	=	115.56%	
35) Dibromofluoromethane	7.72	113	82851	36.36	ug/l	0.00
Spiked Amount			Recovery	=	72.72%	
50) Toluene-d8	10.18	98	932237	101.61	ug/l	0.00
Spiked Amount			Recovery	=	203.22%	
62) 4-Bromofluorobenzene	12.47	95	249855	79.23	ug/l	0.00
Spiked Amount			Recovery	=	158.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	21393	99.518	ug/l #	74
13) Acrolein	3.70	56	1926	7.639	ug/l #	1
14) Allyl chloride	4.57	41	7115	2.088	ug/l #	64
15) Acrylonitrile	5.24	53	32936	54.830	ug/l #	41
16) Acetone	3.95	43	134625	308.526	ug/l	88
17) Carbon Disulfide	4.20	76	245968	33.036	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	50983	8.659	ug/l #	1
20) Methylene Chloride	4.72	84	9535	3.615	ug/l #	33
23) Vinyl Acetate	6.11	43	5493	1.269	ug/l #	68
25) 2-Butanone	7.00	43	66303	91.838	ug/l #	83
29) Tetrahydrofuran	7.36	42	1263	2.571	ug/l #	30
30) Chloroform	7.47	83	29373	7.005	ug/l #	19
31) Cyclohexane	7.78	56	1827263	445.957	ug/l #	86
37) Ethyl Acetate	7.00	43	66303	38.563	ug/l #	70
38) Carbon Tetrachloride	7.79	117	24651	6.561	ug/l #	16
39) Methylcyclohexane	9.19	83	7314187	1556.101	ug/l	96
40) Benzene	8.17	78	82270	8.066	ug/l	98
41) Methacrylonitrile	7.36	41	8721	8.443	ug/l #	100
42) 1,2-Dichloroethane	8.28	62	5820	2.163	ug/l #	1
43) Isopropyl Acetate	8.27	43	563735	176.428	ug/l #	50
45) 1,2-Dichloropropane	9.19	63	68895	28.460	ug/l #	1
46) Dibromomethane	9.26	93	2441	1.795	ug/l #	1
47) Bromodichloromethane	9.47	83	177263	53.404	ug/l #	38
48) Methyl methacrylate	9.25	41	299906	203.851	ug/l #	24
49) 1,4-Dioxane	9.19	88	25	1.350	ug/l #	1
51) 4-Methyl-2-Pentanone	10.17	43	302579	183.413	ug/l #	38
52) Toluene	10.25	92	12862	1.949	ug/l #	63
54) cis-1,3-Dichloropropene	9.90	75	5192	1.264	ug/l #	40
55) 1,1,2-Trichloroethane	10.62	97	1487346	734.565	ug/l #	20
56) Ethyl methacrylate	10.52	69	510527	189.395	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.77	63	2814	2.115	ug/l #	43
59) 2-Hexanone	10.80	43	2325878	2023.638	ug/l #	25
60) Dibromochloromethane	10.91	129	5211	2.015	ug/l	74
61) 1,2-Dibromoethane	11.06	107	2458	1.232	ug/l #	1

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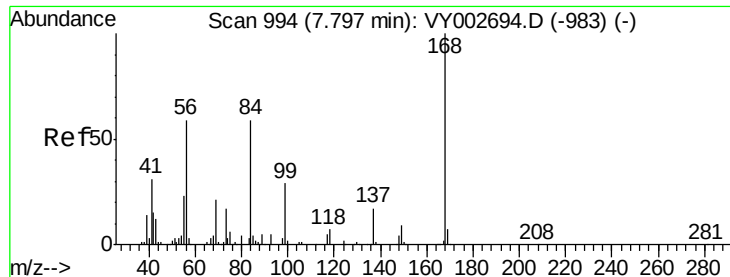
Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 21 02:45:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

67) Ethyl Benzene	11.59	91	616903	61.622	ug/l	99
68) m/p-Xylenes	11.70	106	268414	68.916	ug/l	97
69) o-Xylene	12.03	106	185438	50.727	ug/l	96
70) Styrene	12.03	104	10075	1.605	ug/l #	1
73) Isopropylbenzene	12.33	105	626440	86.003	ug/l	100
74) N-amyl acetate	12.13	43	1053292	616.233	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	12.56	83	75387	70.284	ug/l #	72
76) 1,2,3-Trichloropropane	12.66	75	9971	10.889	ug/l #	100
77) Bromobenzene	12.68	156	55223	30.325	ug/l #	1
78) n-propylbenzene	12.67	91	835310	98.580	ug/l	100
79) 2-Chlorotoluene	12.74	91	43711	9.301	ug/l	70
80) 1,3,5-Trimethylbenzene	12.81	105	900615	147.151	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.33	75	8019	16.561	ug/l #	1
82) 4-Chlorotoluene	12.74	91	43986	8.935	ug/l	69
83) tert-Butylbenzene	13.31	119	217185	40.096	ug/l	73
84) 1,2,4-Trimethylbenzene	13.12	105	2427911	396.934	ug/l	99
85) sec-Butylbenzene	13.25	105	479512	64.154	ug/l #	74
86) p-Isopropyltoluene	13.37	119	661810	94.595	ug/l	95
87) 1,3-Dichlorobenzene	13.36	146	4463	1.271	ug/l #	1
88) 1,4-Dichlorobenzene	13.44	146	8729	2.497	ug/l #	1
89) n-Butylbenzene	13.69	91	509578	79.313	ug/l #	68
90) Hexachloroethane	13.97	117	116403	89.828	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.38	75	3207	15.591	ug/l #	29
93) 1,2,4-Trichlorobenzene	15.05	180	11224	1.867	ug/l #	1
95) Naphthalene	15.23	128	804221	185.445	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.39	180	16144	5.327	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002728.D

Acq: 20 May 2020 14:13

Instrument :

MSVOA_Y

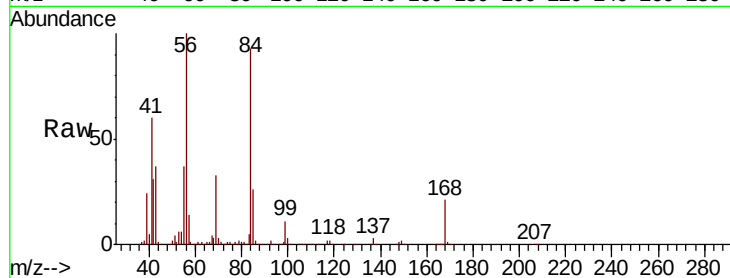
ClientSampleId :

Tot Ion:168 Resp: 270606

Ion Ratio Lower Upper

168 100

99 50.0 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002728.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002728.D (-945) (-)

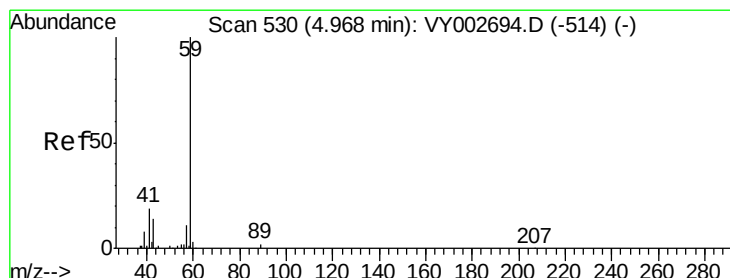
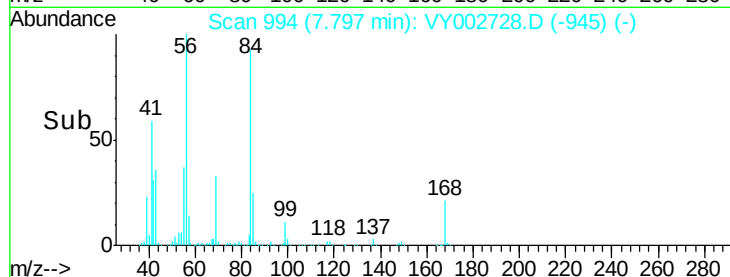
7.80

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 99.518 ug/l

RT: 4.96 min Scan# 528

Delta R.T. -0.01 min

Lab File: VY002728.D

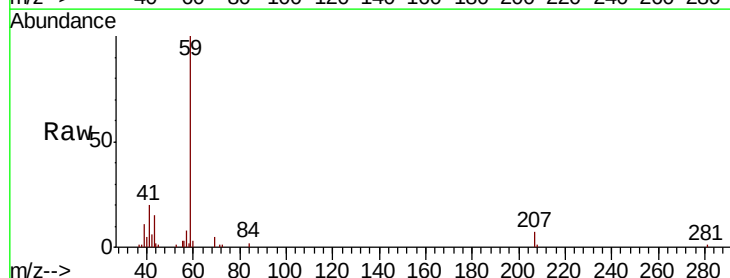
Acq: 20 May 2020 14:13

Tgt Ion: 59 Resp: 21393

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002728.D (-481) (-)

Ion 57.00 (56.70 to 57.70): VY002728.D (-481) (-)

4.96

50000

40000

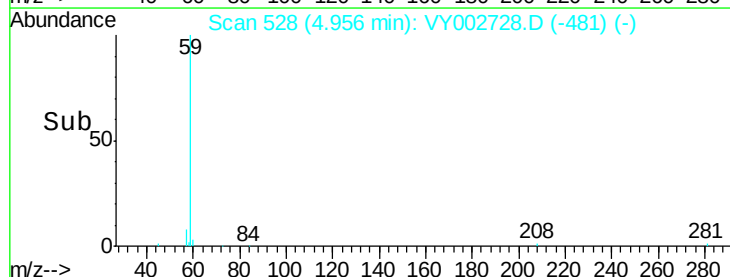
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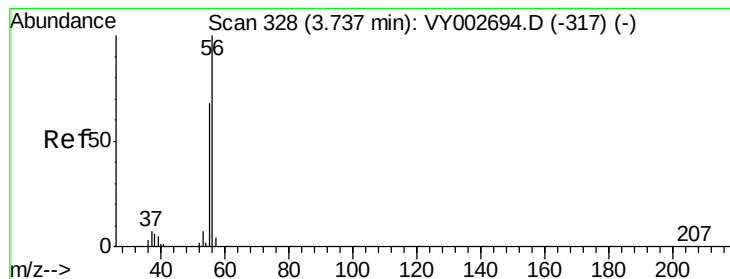
20000

10000

0

Time-->





#13

Acrolein

Concen: 7.639 ug/l

RT: 3.70 min Scan# 322

Delta R.T. -0.04 min

Lab File: VY002728.D

Acq: 20 May 2020 14:13

Instrument :

MSVOA_Y

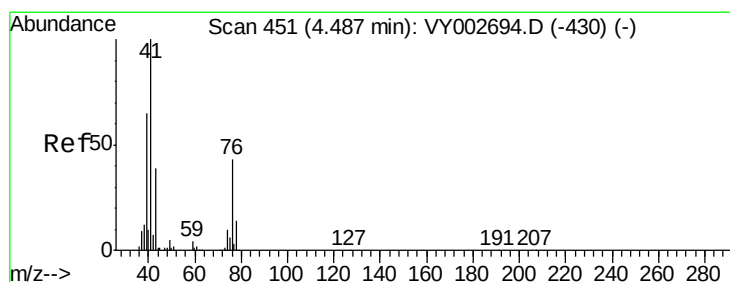
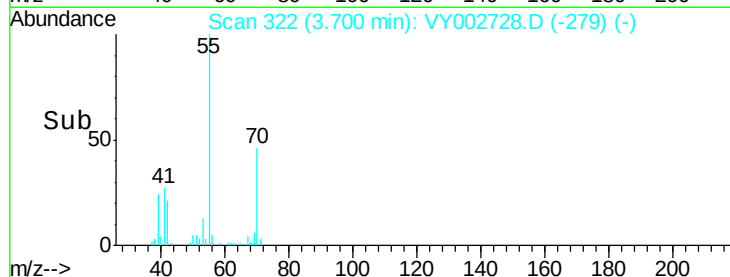
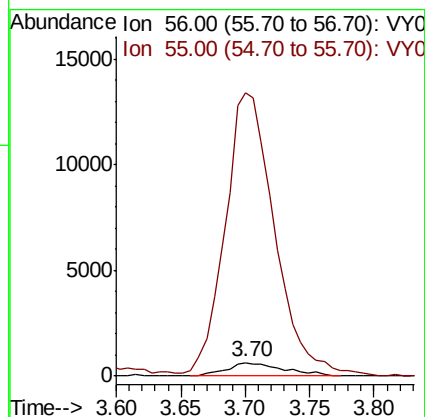
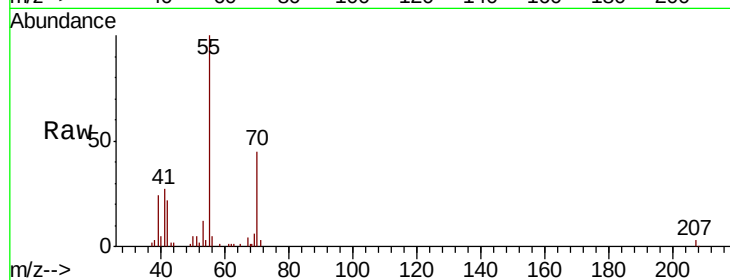
ClientSampled :

Tot Ion: 56 Resp: 1926

Ion Ratio Lower Upper

56 100

55 1874.0 54.8 82.2#



#14

Allyl chloride

Concen: 2.088 ug/l

RT: 4.57 min Scan# 465

Delta R.T. 0.09 min

Lab File: VY002728.D

Acq: 20 May 2020 14:13

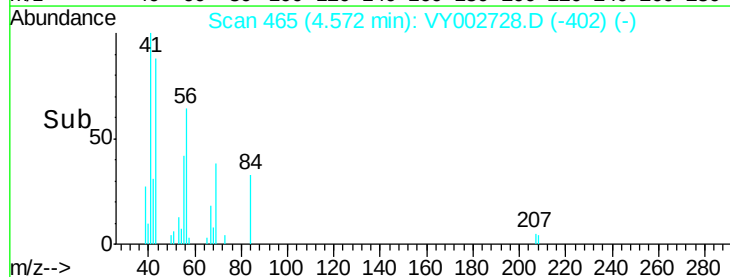
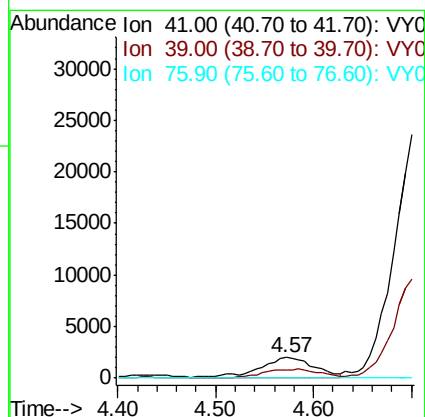
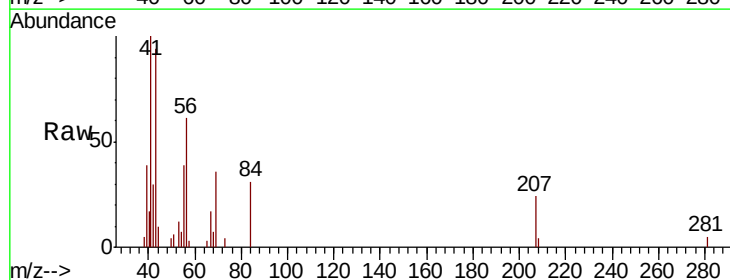
Tgt Ion: 41 Resp: 7115

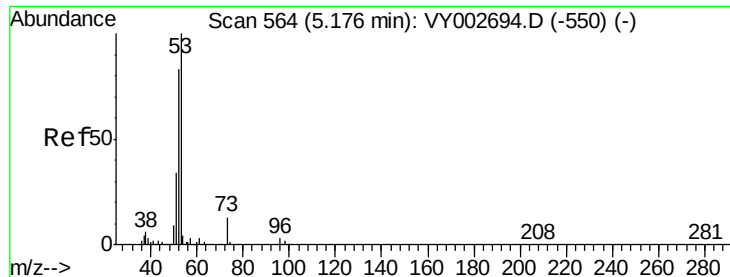
Ion Ratio Lower Upper

41 100

39 50.6 50.3 75.5

76 0.0 33.2 49.8#





#15

Acrylonitrile

Concen: 54.830 ug/l

RT: 5.24 min Scan# 575

Delta R.T. 0.07 min

Lab File: VY002728.D

Acq: 20 May 2020 14:13

Instrument :

MSVOA_Y

ClientSampleId :

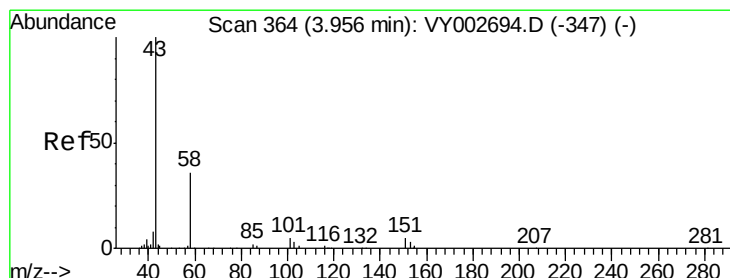
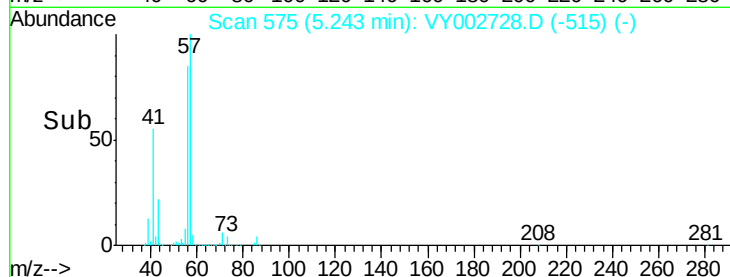
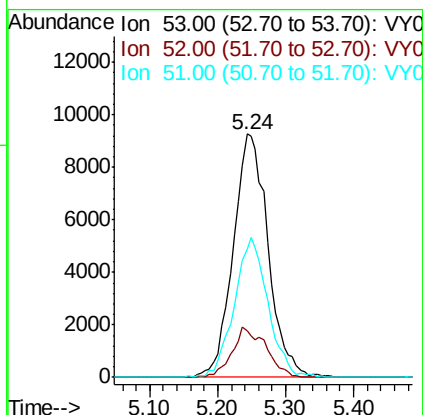
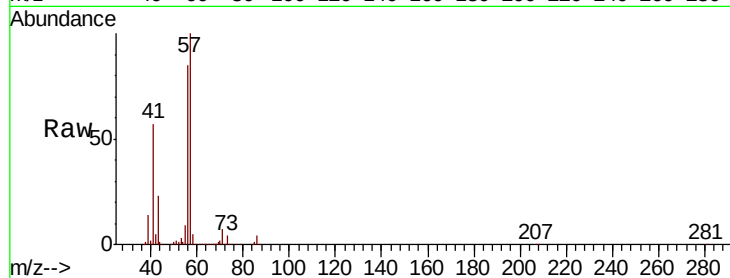
Tot Ion: 53 Resp: 32936

Ion Ratio Lower Upper

53 100

52 19.8 65.0 97.6#

51 55.6 27.9 41.9#



#16

Acetone

Concen: 308.526 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VY002728.D

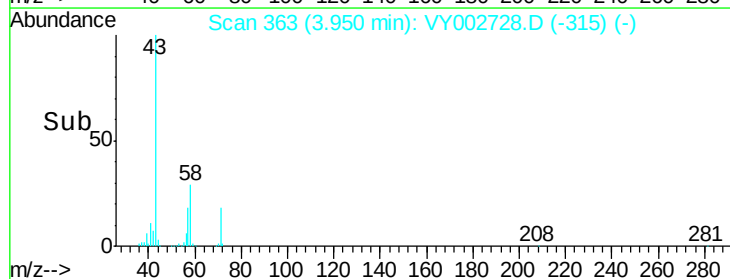
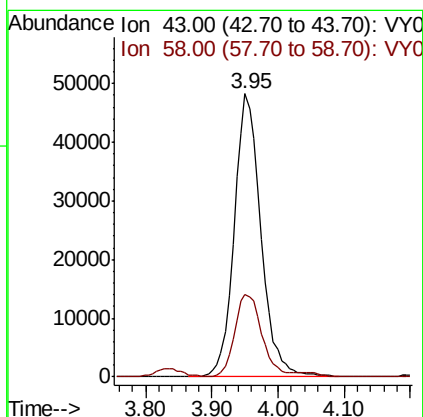
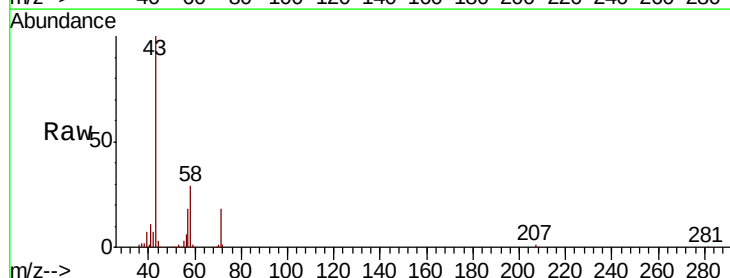
Acq: 20 May 2020 14:13

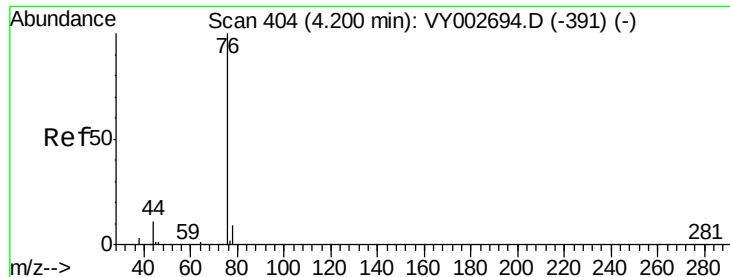
Tgt Ion: 43 Resp: 134625

Ion Ratio Lower Upper

43 100

58 28.9 28.6 43.0





#17

Carbon Disulfide

Concen: 33.036 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY002728.D

Acq: 20 May 2020 14:13

Instrument :

MSVOA_Y

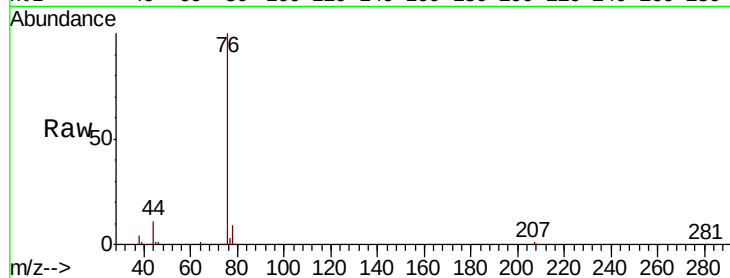
ClientSampleId :

Tot Ion: 76 Resp: 245968

Ion Ratio Lower Upper

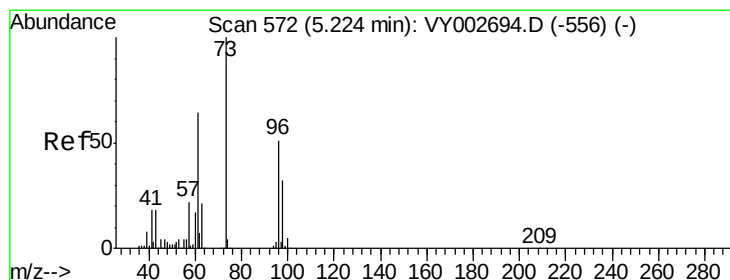
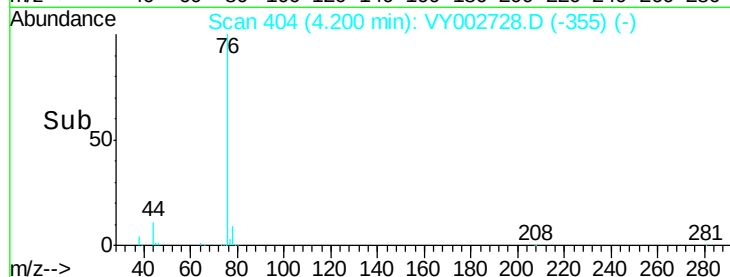
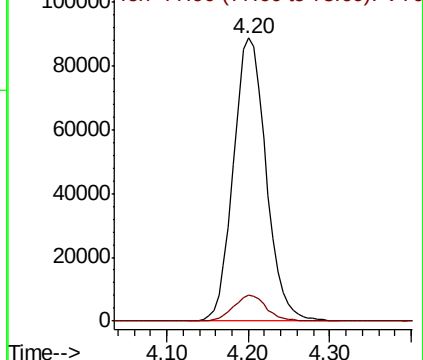
76 100

78 9.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#19

Methyl tert-butyl Ether

Concen: 8.659 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY002728.D

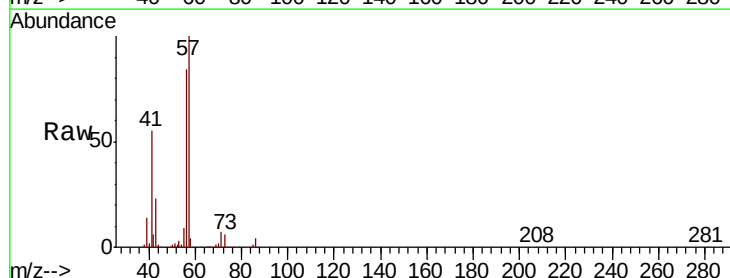
Acq: 20 May 2020 14:13

Tgt Ion: 73 Resp: 50983

Ion Ratio Lower Upper

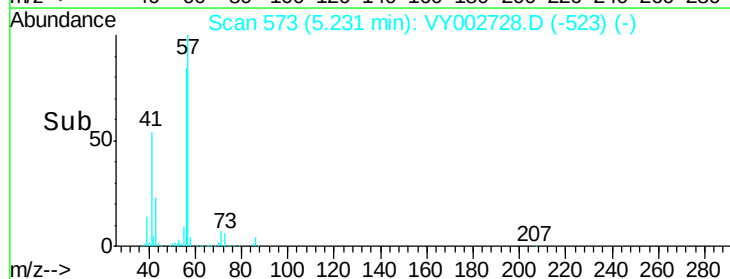
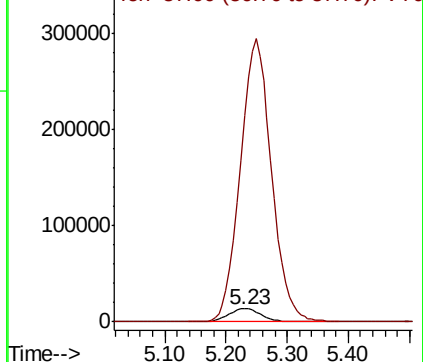
73 100

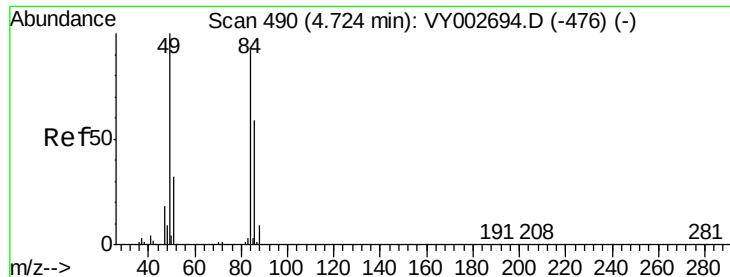
57 1586.3 17.3 25.9#



Abundance Ion 73.00 (72.70 to 73.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

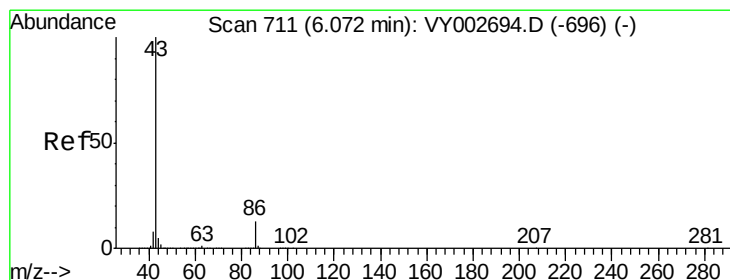
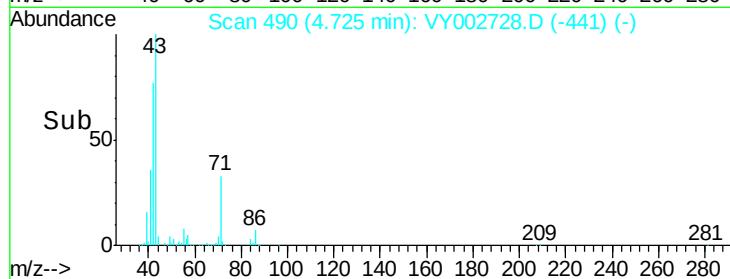
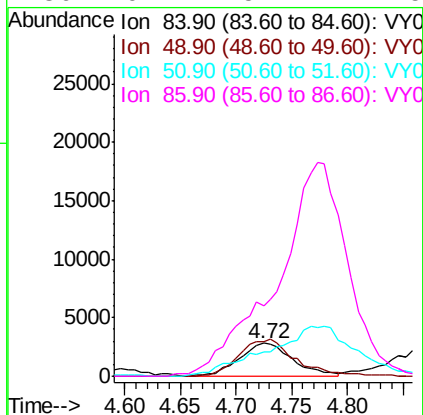
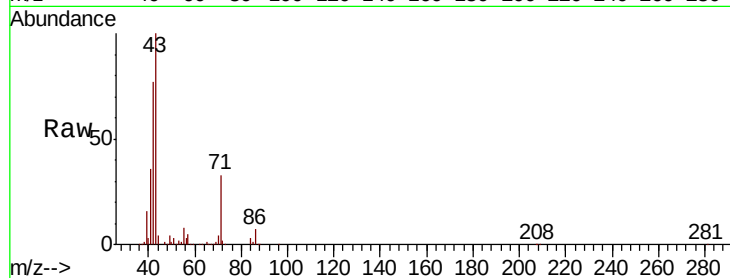




#20
Methvlene Chloride
Concen: 3.615 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY002728.D
Acq: 20 May 2020 14:13

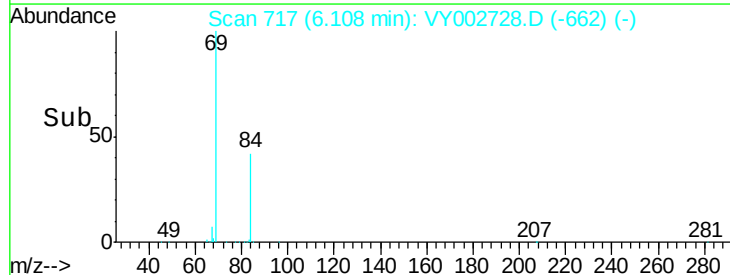
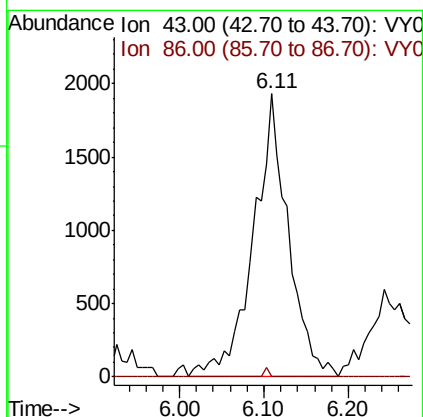
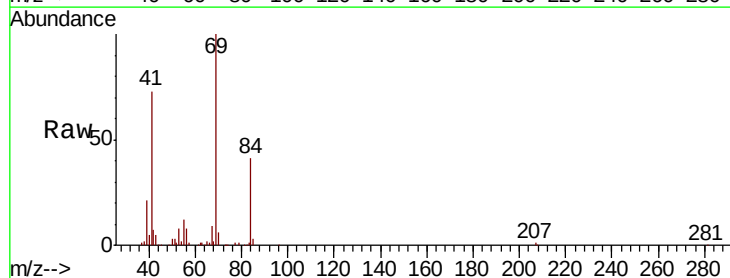
Instrument :
MSVOA_Y
ClientSampled :

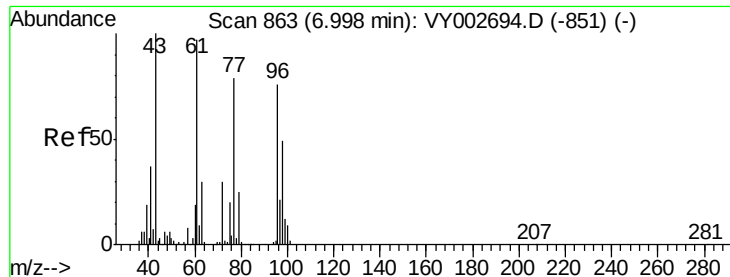
Tot Ion: 84 Resp: 9535
Ion Ratio Lower Upper
84 100
49 106.7 87.4 131.0
51 70.5 27.9 41.9#
86 204.4 51.7 77.5#



#23
Vinyl Acetate
Concen: 1.269 ug/l
RT: 6.11 min Scan# 717
Delta R.T. 0.04 min
Lab File: VY002728.D
Acq: 20 May 2020 14:13

Tgt Ion: 43 Resp: 5493
Ion Ratio Lower Upper
43 100
86 0.0 10.1 15.1#

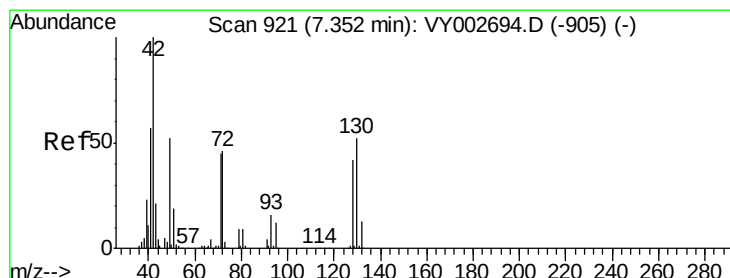
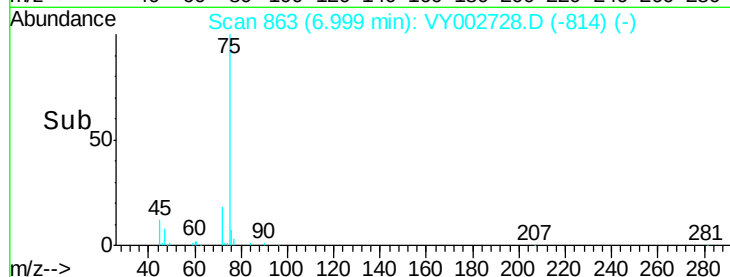
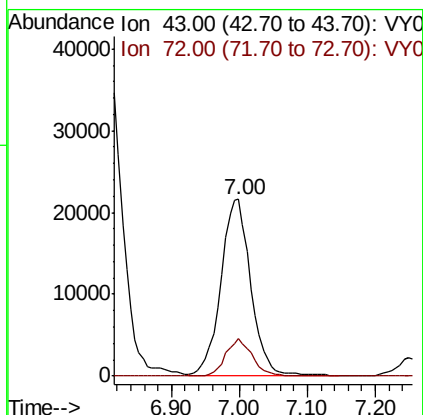
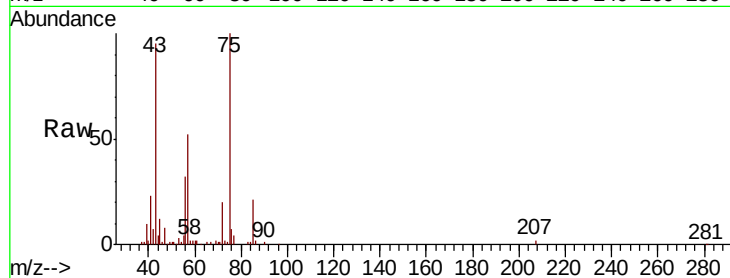




#25
2-Butanone
Concen: 91.838 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY002728.D
Acq: 20 May 2020 14:13

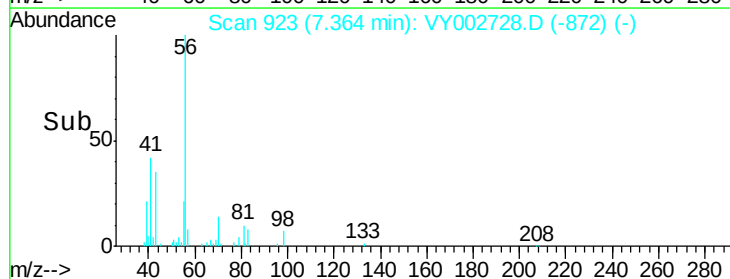
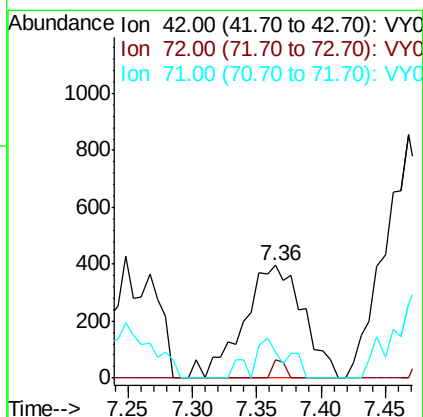
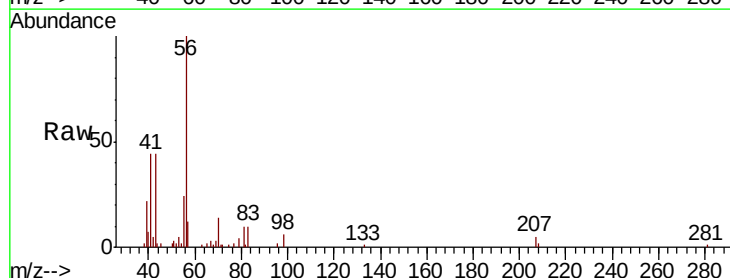
Instrument :
MSVOA_Y
ClientSampleId :

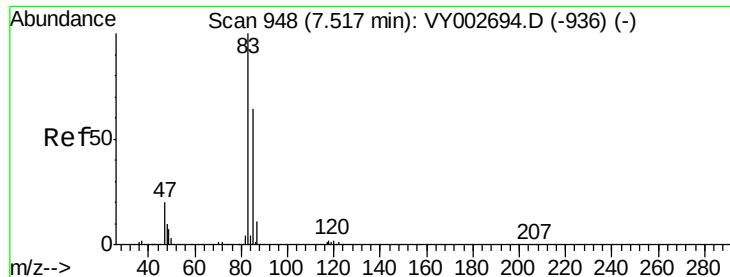
Tot Ion: 43 Resp: 66303
Ion Ratio Lower Upper
43 100
72 21.1 24.1 36.1#



#29
Tetrahydrofuran
Concen: 2.571 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY002728.D
Acq: 20 May 2020 14:13

Tgt Ion: 42 Resp: 1263
Ion Ratio Lower Upper
42 100
72 0.0 38.2 57.2#
71 0.0 35.8 53.8#

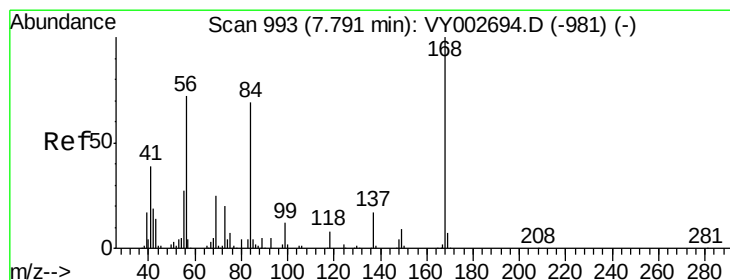
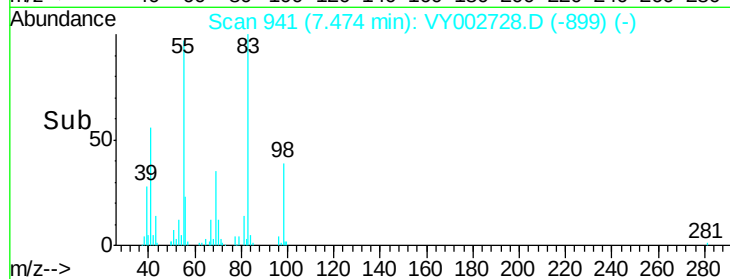
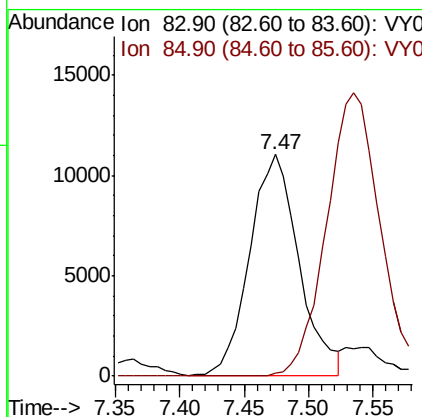
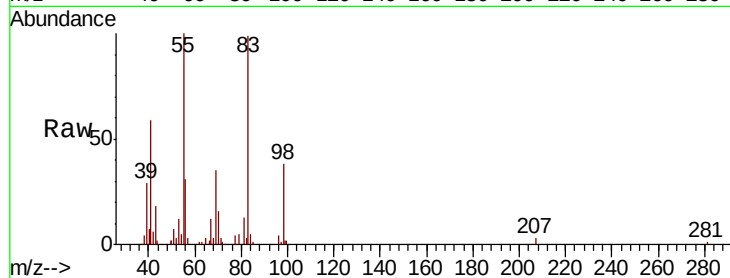




#30
Chloroform
Concen: 7.005 ug/l
RT: 7.47 min Scan# 941
Delta R.T. -0.04 min
Lab File: VY002728.D
Acq: 20 May 2020 14:13

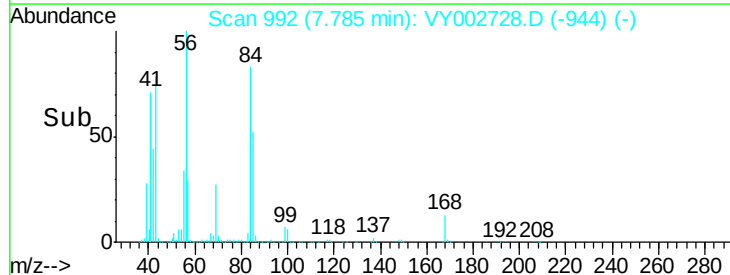
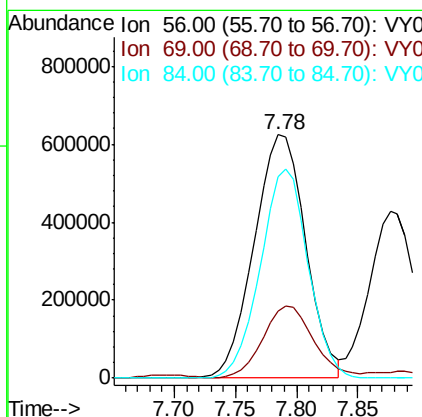
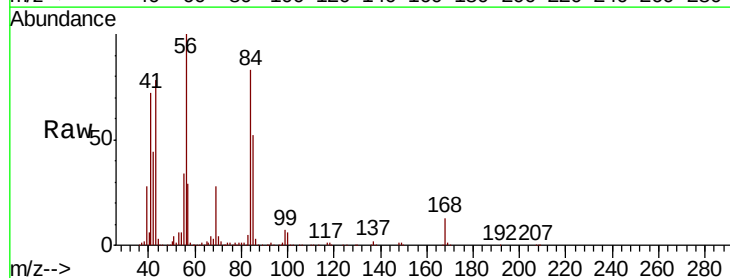
Instrument :
MSVOA_Y
ClientSampleId :

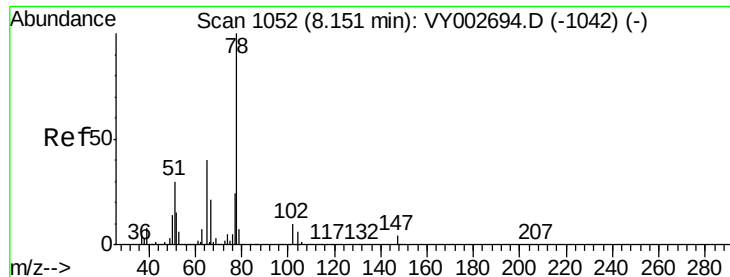
Tot Ion: 83 Resp: 29373
Ion Ratio Lower Upper
83 100
85 1.1 51.5 77.3#



#31
Cyclohexane
Concen: 445.957 ug/l
RT: 7.78 min Scan# 992
Delta R.T. -0.01 min
Lab File: VY002728.D
Acq: 20 May 2020 14:13

Tgt Ion: 56 Resp: 1827263
Ion Ratio Lower Upper
56 100
69 26.8 27.7 41.5#
84 82.7 77.0 115.4

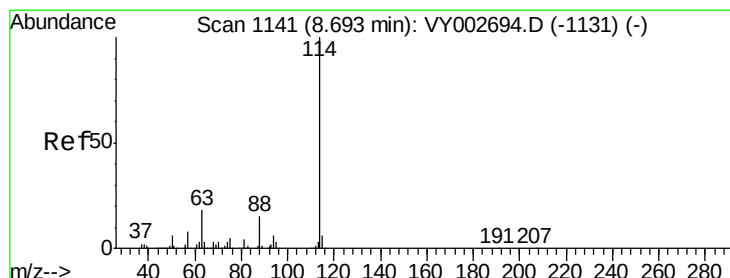
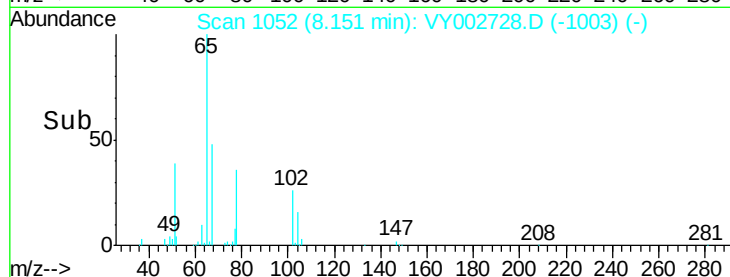
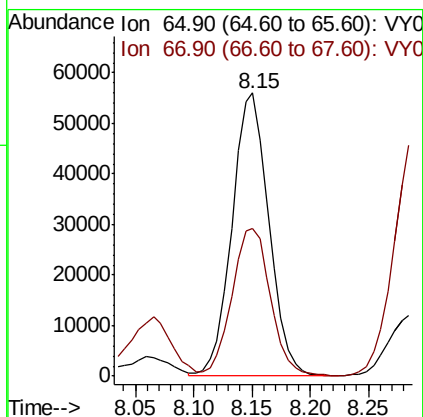
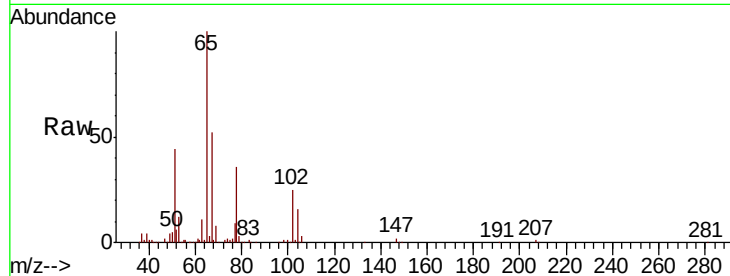




#33
 1,2-Dichloroethane-d4
 Concen: 57.778 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY002728.D
 Acq: 20 May 2020 14:13

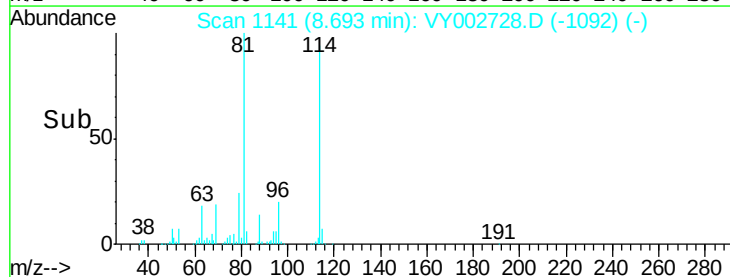
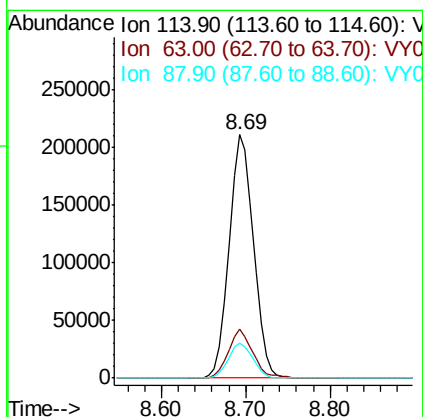
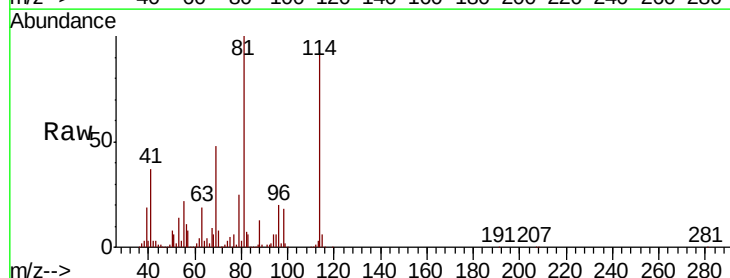
Instrument :
 MSVOA_Y
 ClientSampleId :

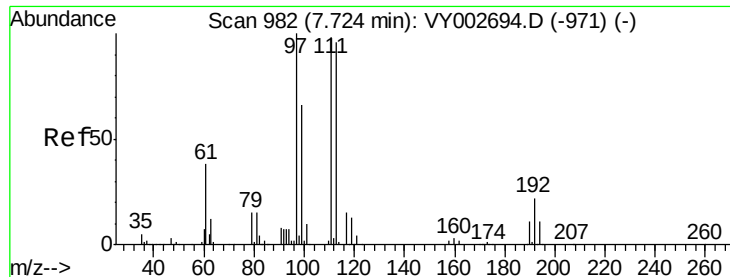
Tot Ion: 65 Resp: 122300
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002728.D
 Acq: 20 May 2020 14:13

Tgt Ion: 114 Resp: 412932
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 35.4
 88 14.4 0.0 29.4

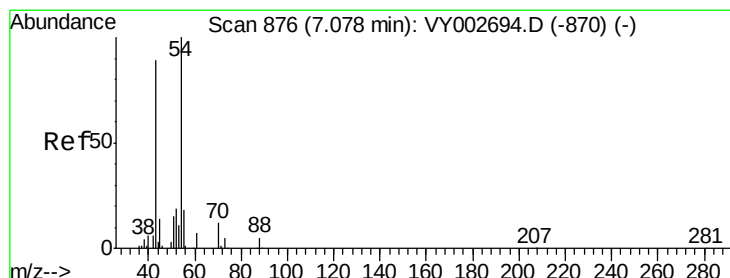
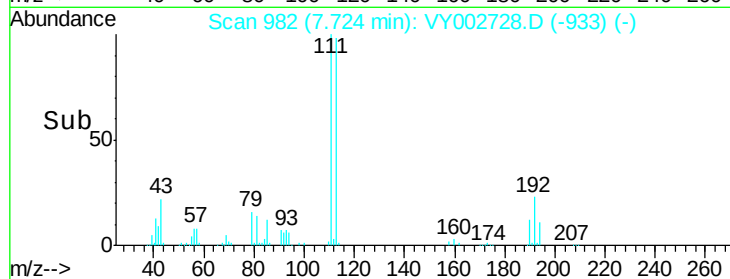
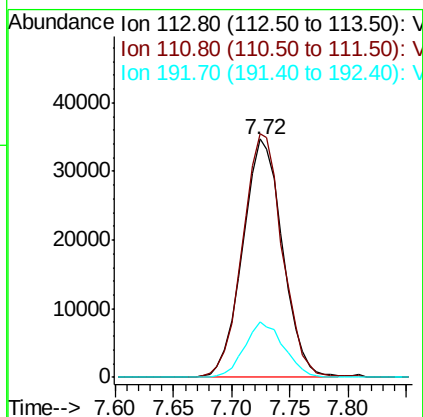
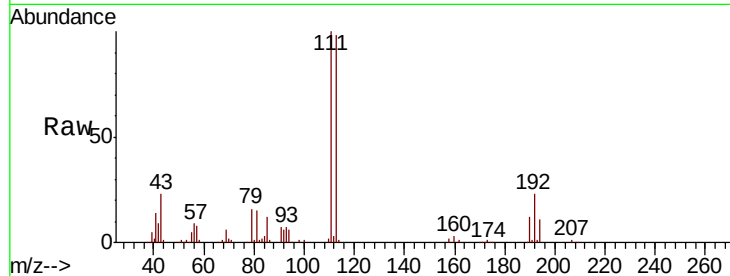




#35
 Dibromofluoromethane
 Concen: 36.356 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY002728.D
 Acq: 20 May 2020 14:13

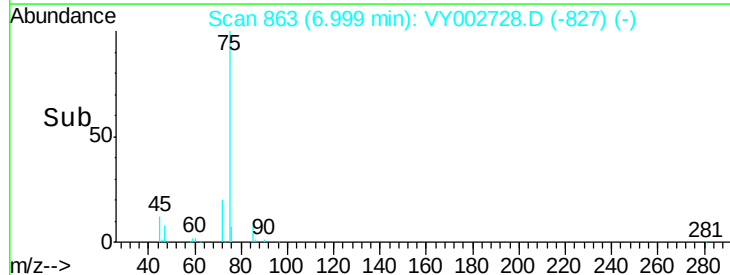
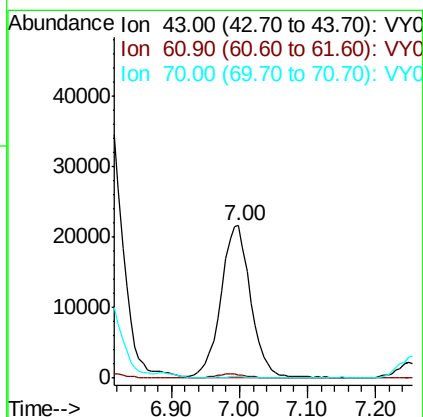
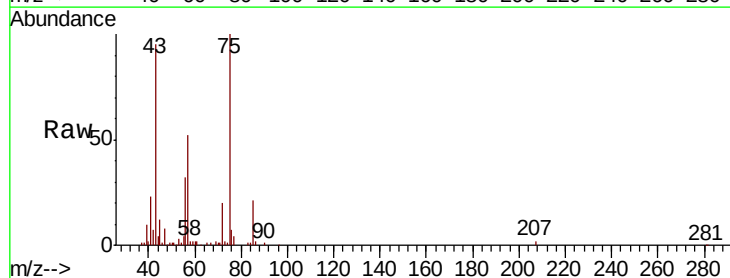
Instrument :
 MSVOA_Y
 ClientSampleId :

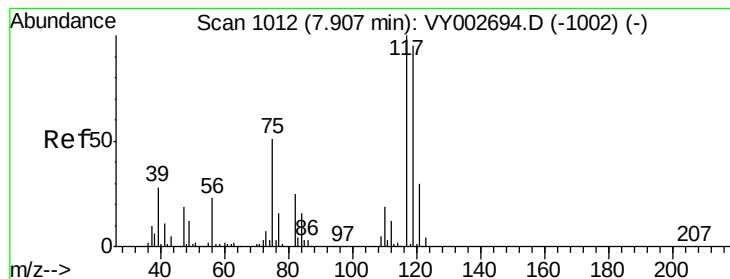
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.9	122.9
192	23.0	18.6	27.8



#37
 Ethyl Acetate
 Concen: 38.563 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.08 min
 Lab File: VY002728.D
 Acq: 20 May 2020 14:13

Tgt Ion	Ratio	Lower	Upper
43	100		
61	2.7	11.8	17.8#
70	0.0	9.2	13.8#





#38

Carbon Tetrachloride

Concen: 6.561 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY002728.D

Acq: 20 May 2020 14:13

Instrument :

MSVOA_Y

ClientSampled :

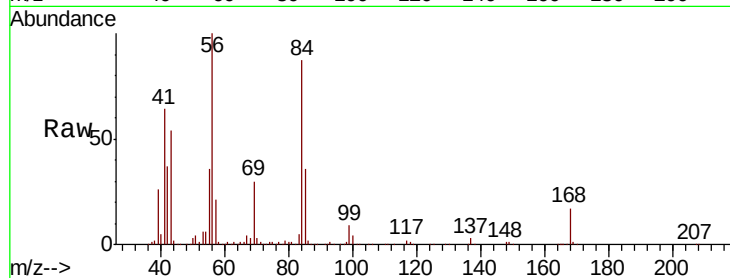
Tot Ion:117 Resp: 24651

Ion Ratio Lower Upper

117 100

119 4.9 76.3 114.5#

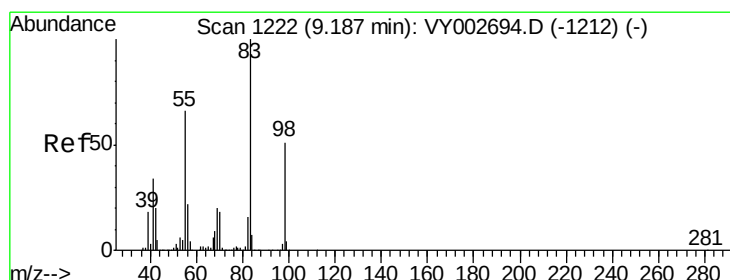
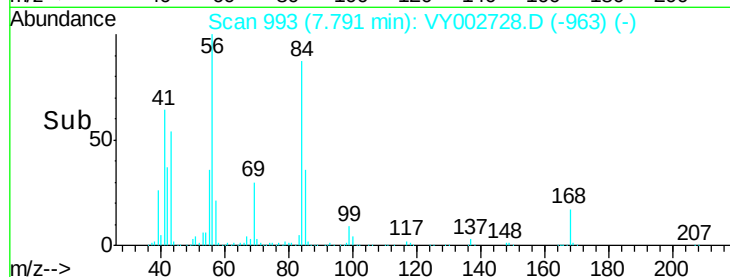
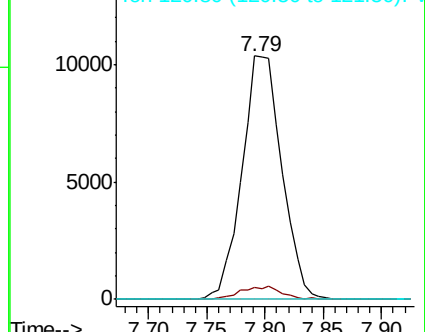
121 0.0 24.2 36.2#



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: 1556.101 ug/l

RT: 9.19 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VY002728.D

Acq: 20 May 2020 14:13

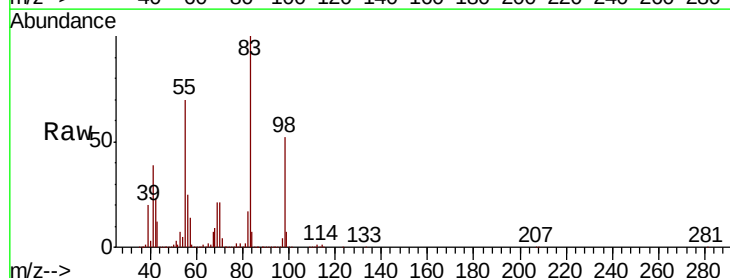
Tgt Ion: 83 Resp: 7314187

Ion Ratio Lower Upper

83 100

55 70.5 53.0 79.6

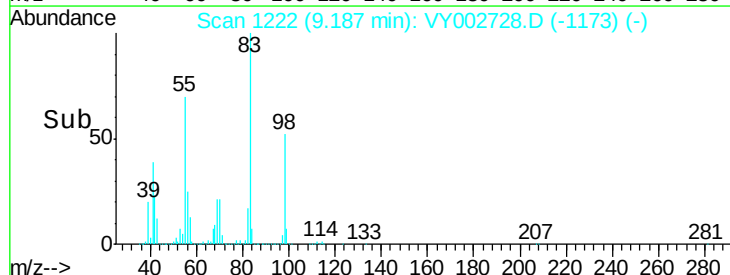
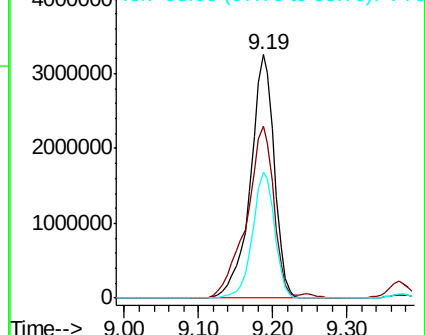
98 51.9 40.8 61.2

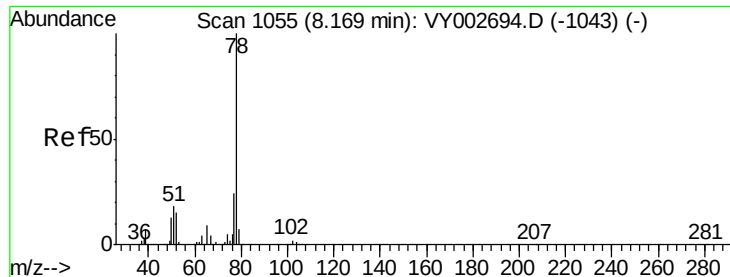


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#40

Benzene

Concen: 8.066 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VY002728.D

Acq: 20 May 2020 14:13

Instrument :

MSVOA_Y

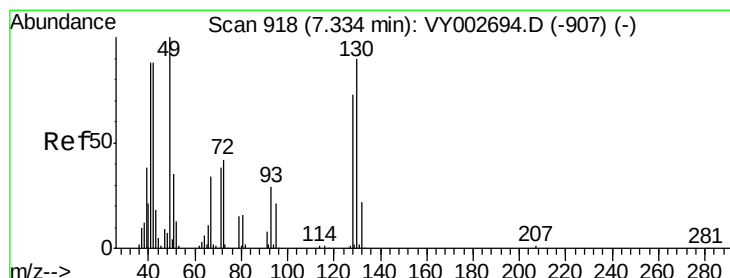
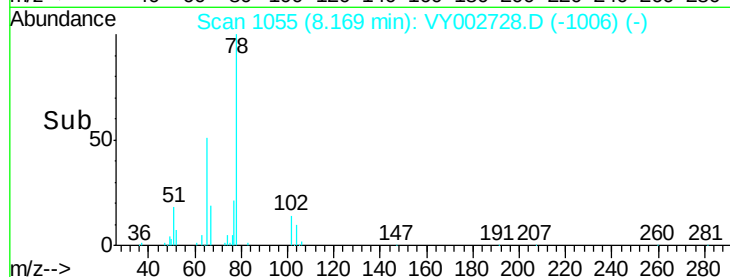
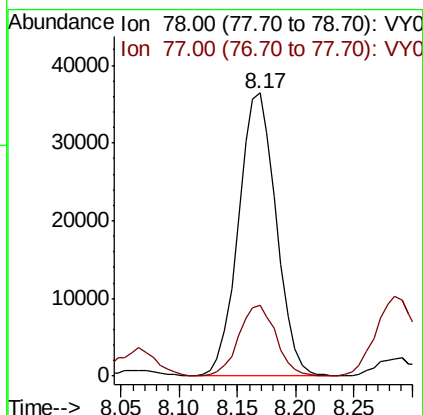
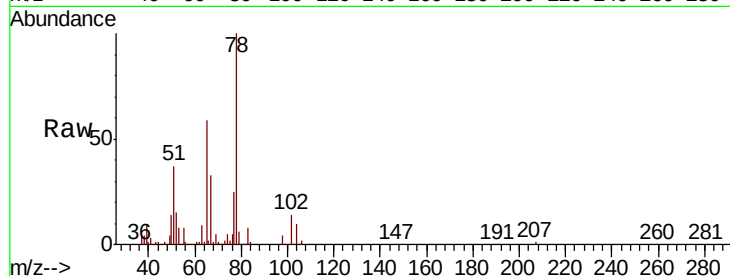
ClientSampleId :

Tot Ion: 78 Resp: 82270

Ion Ratio Lower Upper

78 100

77 24.9 19.2 28.8



#41

Methacrylonitrile

Concen: 8.443 ug/l

RT: 7.36 min Scan# 923

Delta R.T. 0.03 min

Lab File: VY002728.D

Acq: 20 May 2020 14:13

Tgt Ion: 41 Resp: 8721

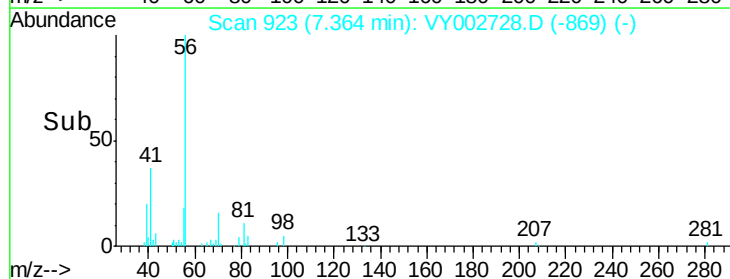
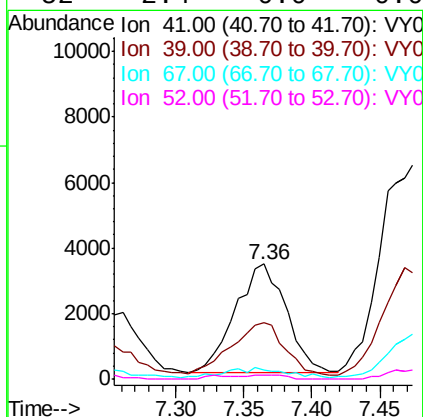
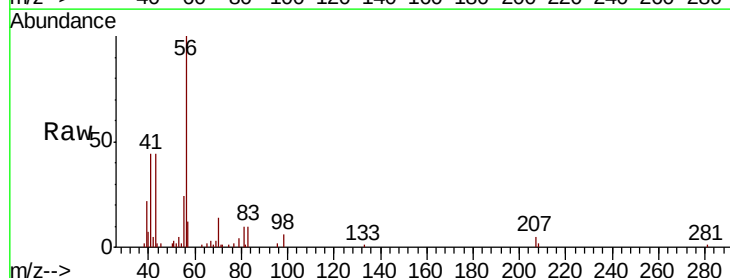
Ion Ratio Lower Upper

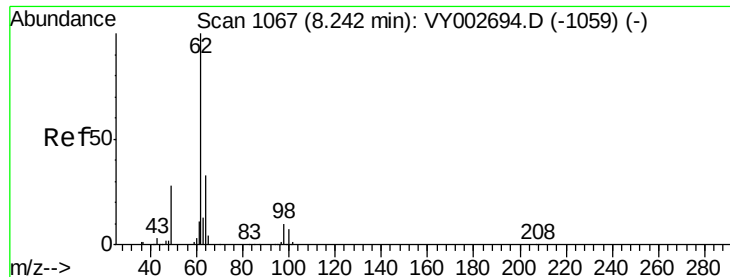
41 100

39 51.0 0.0 0.0#

67 0.0 0.0 0.0

52 2.4 0.0 0.0#





#42

1,2-Dichloroethane

Concen: 2.163 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. 0.04 min

Lab File: VY002728.D

Acq: 20 May 2020 14:13

Instrument :

MSVOA_Y

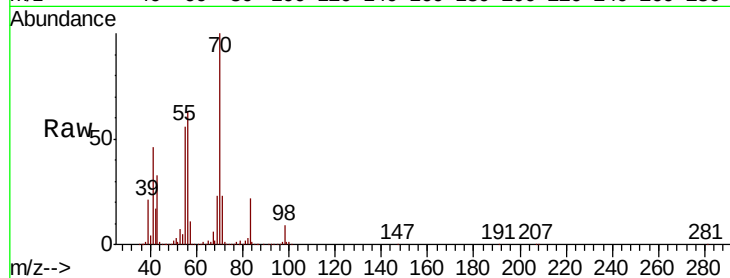
ClientSampleId :

Tot Ion: 62 Resp: 5820

Ion Ratio Lower Upper

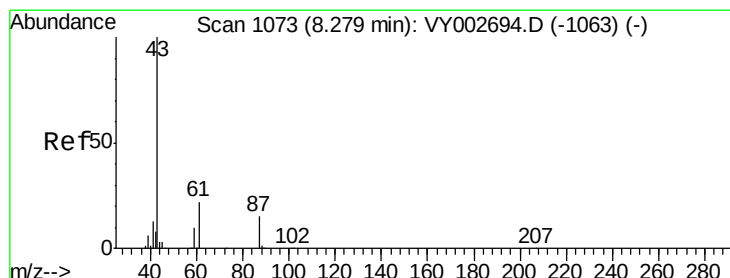
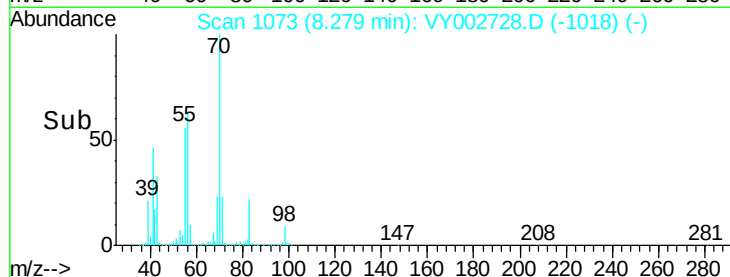
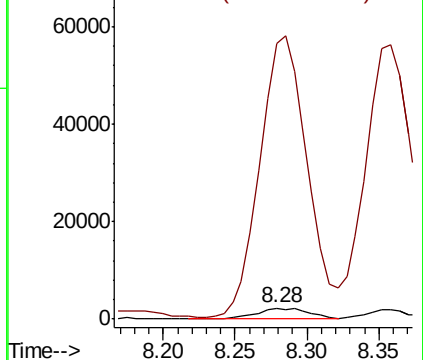
62 100

98 2263.5 0.0 21.8#



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#43

Isopropyl Acetate

Concen: 176.428 ug/l

RT: 8.27 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VY002728.D

Acq: 20 May 2020 14:13

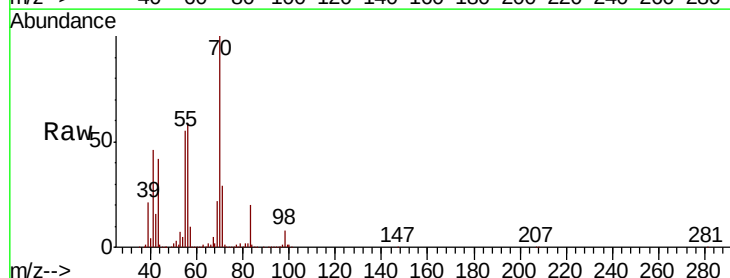
Tgt Ion: 43 Resp: 563735

Ion Ratio Lower Upper

43 100

61 0.4 24.9 37.3#

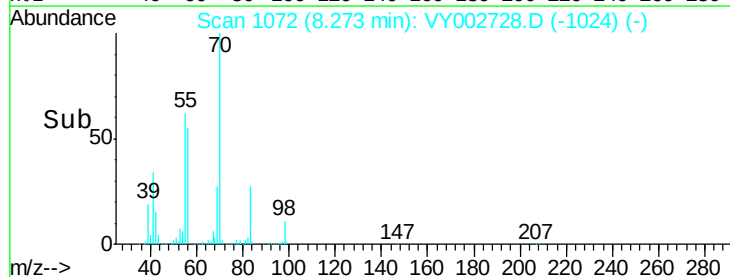
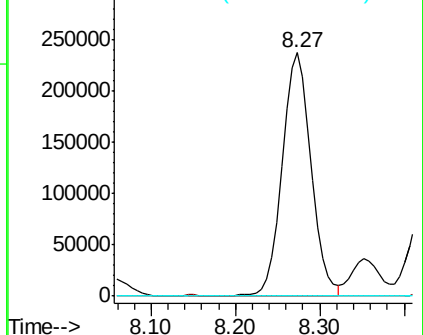
87 0.0 12.6 19.0#

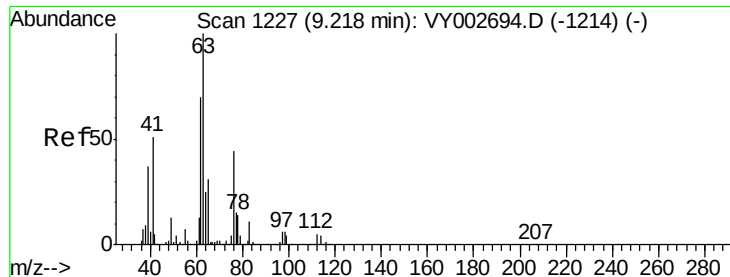


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

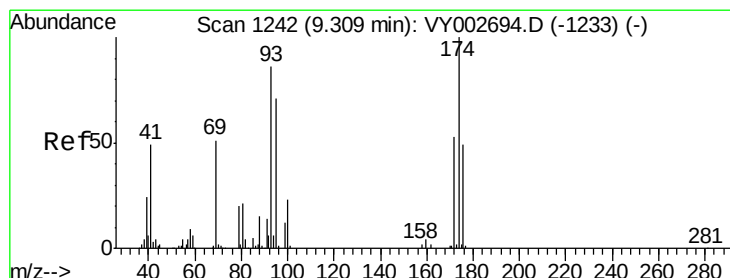
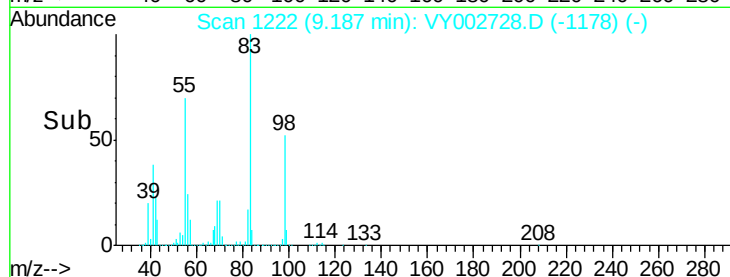
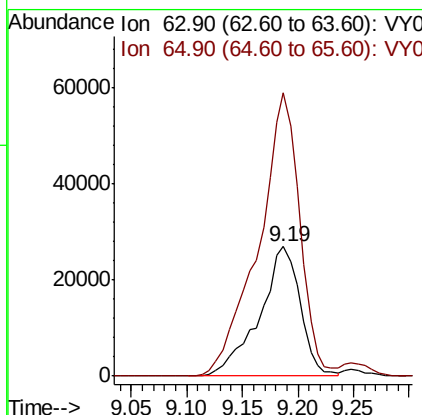
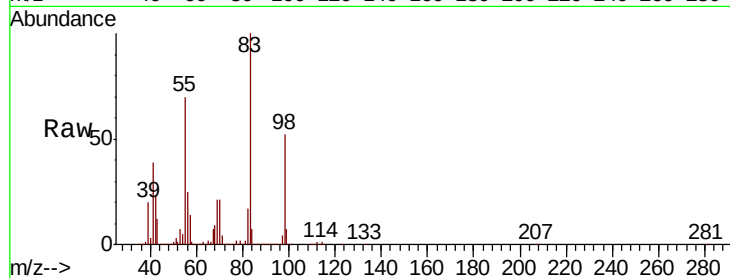




#45
 1,2-Dichloropropane
 Concen: 28.460 ug/l
 RT: 9.19 min Scan# 1222
 Delta R.T. -0.03 min
 Lab File: VY002728.D
 Acq: 20 May 2020 14:13

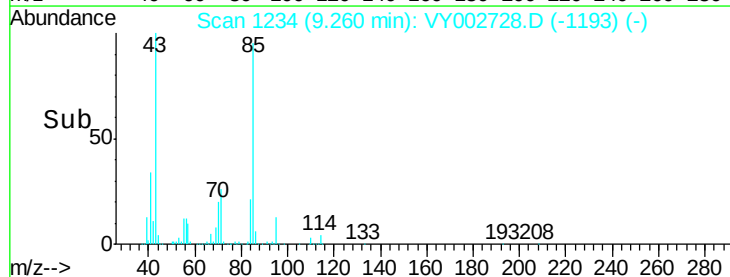
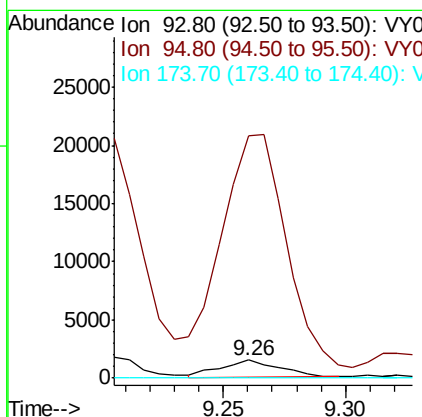
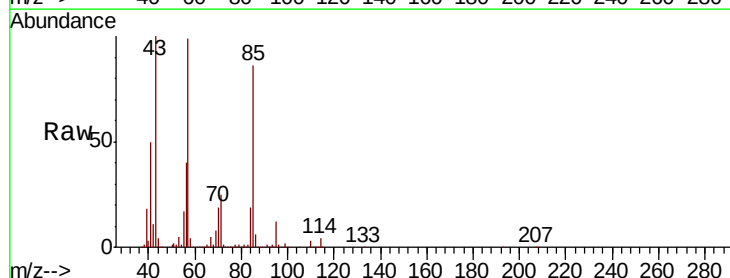
Instrument :
 MSVOA_Y
 ClientSampleId :

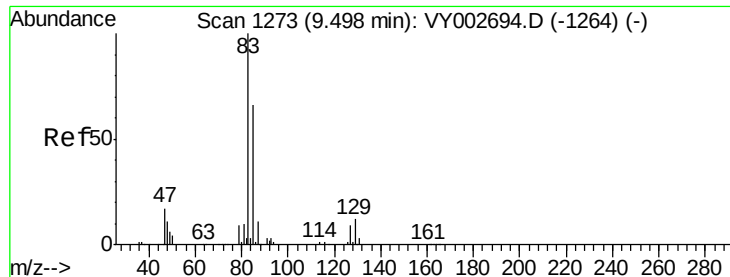
Tot Ion: 63 Resp: 68895
 Ion Ratio Lower Upper
 63 100
 65 218.2 24.7 37.1#



#46
 Dibromomethane
 Concen: 1.795 ug/l
 RT: 9.26 min Scan# 1234
 Delta R.T. -0.05 min
 Lab File: VY002728.D
 Acq: 20 May 2020 14:13

Tgt Ion: 93 Resp: 2441
 Ion Ratio Lower Upper
 93 100
 95 1520.7 66.5 99.7#
 174 0.0 95.6 143.4#





#47

Bromodichloromethane

Concen: 53.404 ug/l

RT: 9.47 min Scan# 1268

Delta R.T. -0.03 min

Lab File: VY002728.D

Acq: 20 May 2020 14:13

Instrument :

MSVOA_Y

ClientSampled :

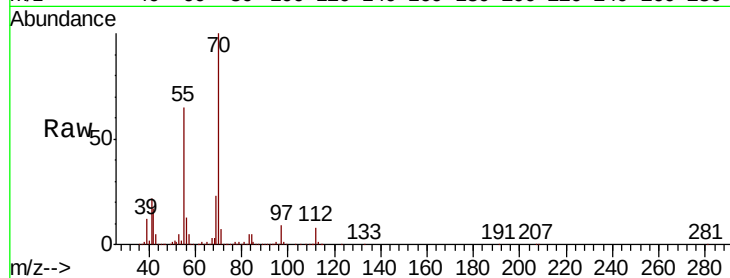
Tot Ion: 83 Resp: 177263

Ion Ratio Lower Upper

83 100

85 11.8 52.4 78.6#

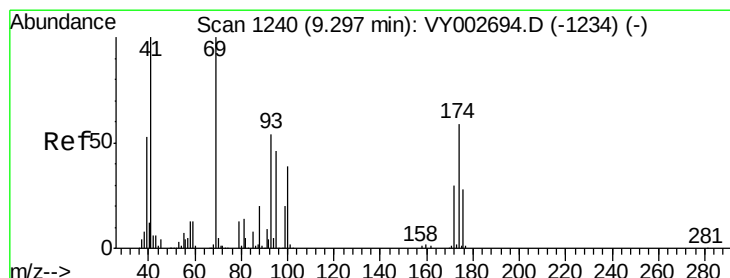
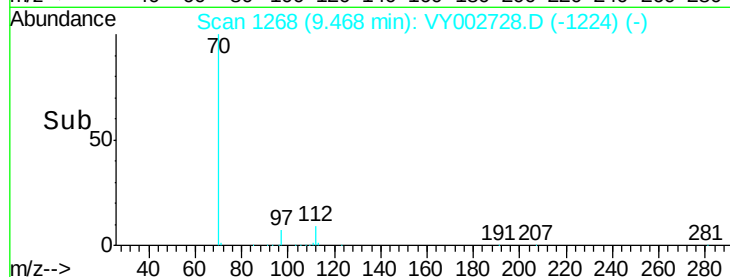
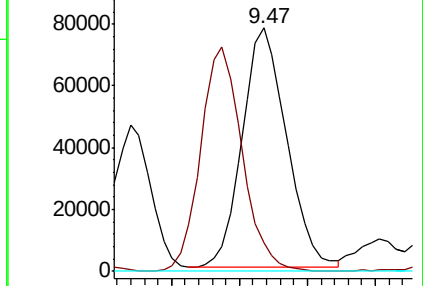
127 0.0 7.6 11.4#



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: 203.851 ug/l

RT: 9.25 min Scan# 1232

Delta R.T. -0.05 min

Lab File: VY002728.D

Acq: 20 May 2020 14:13

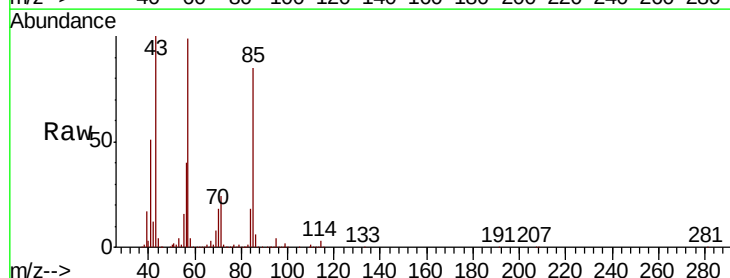
Tgt Ion: 41 Resp: 299906

Ion Ratio Lower Upper

41 100

69 0.0 78.7 118.1#

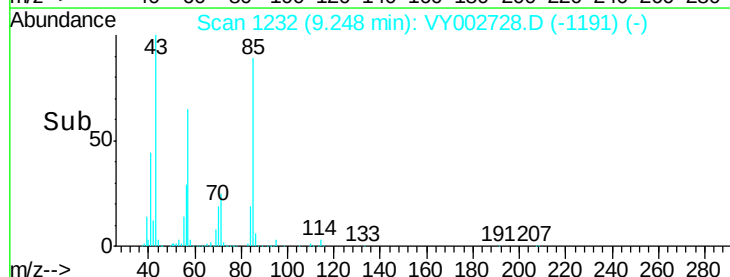
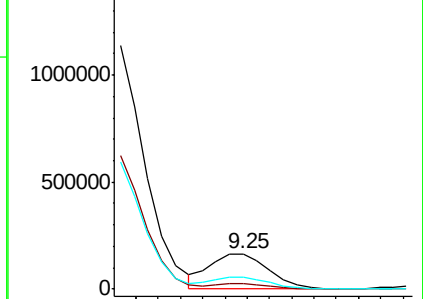
39 30.1 42.9 64.3#

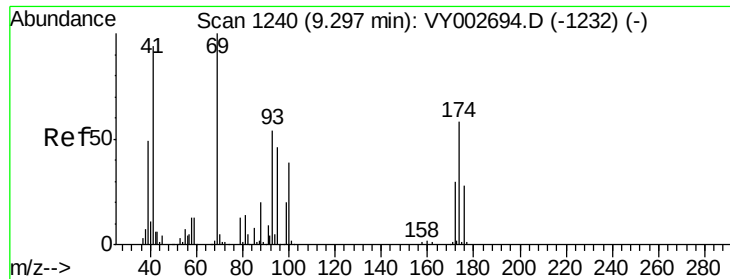


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





#49

1,4-Dioxane

Concen: 1.350 ug/l

RT: 9.19 min Scan# 1222

Delta R.T. -0.11 min

Lab File: VY002728.D

Acq: 20 May 2020 14:13

Instrument :
MSVOA_Y
ClientSampleId :

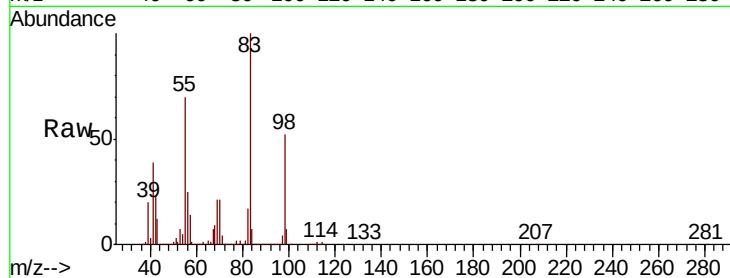
Tot Ion: 88 Resp: 25

Ion Ratio Lower Upper

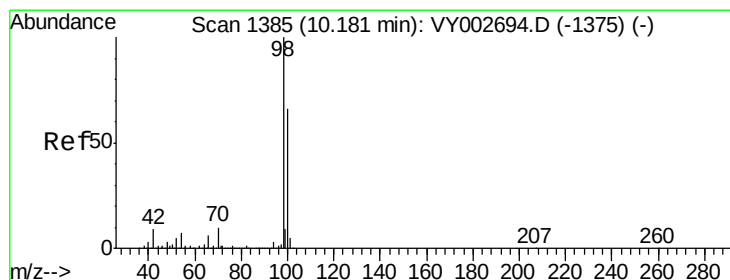
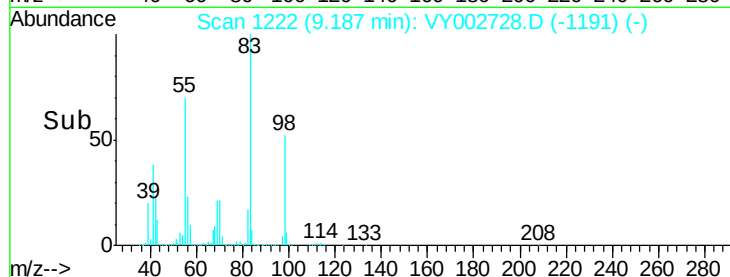
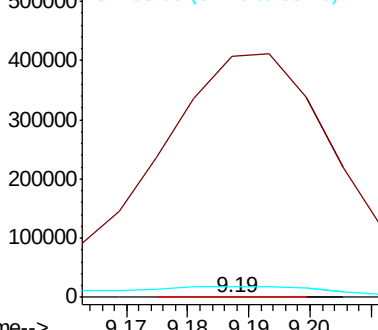
88 100

43 3843384.0 23.4 35.0#

58 253124.0 54.5 81.7#



Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 101.607 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002728.D

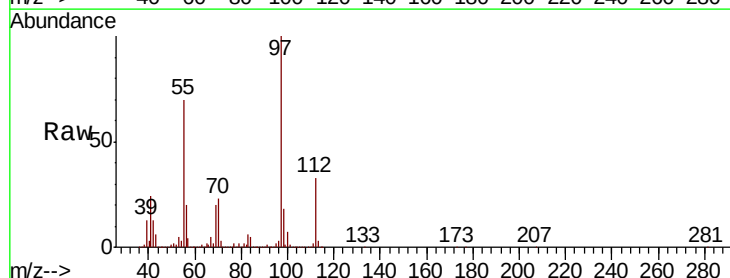
Acq: 20 May 2020 14:13

Tgt Ion: 98 Resp: 932237

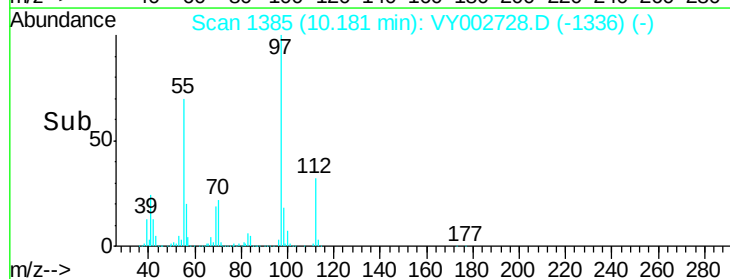
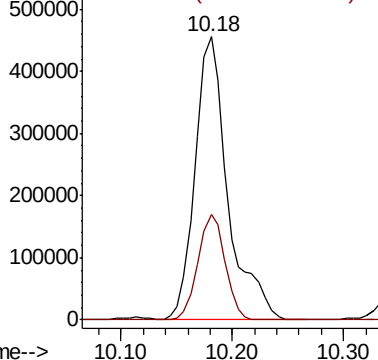
Ion Ratio Lower Upper

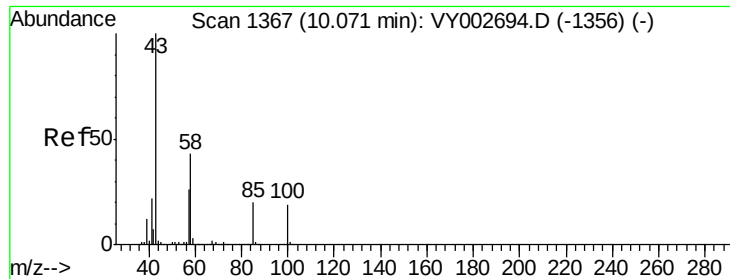
98 100

100 30.6 52.3 78.5#



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

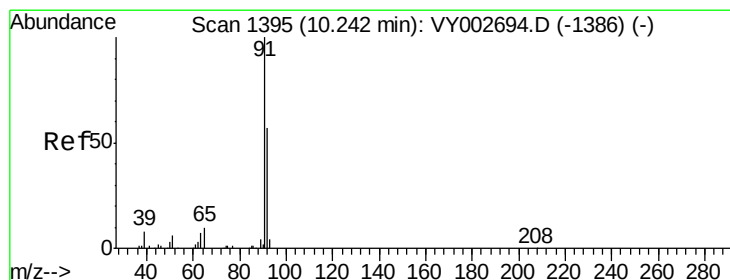
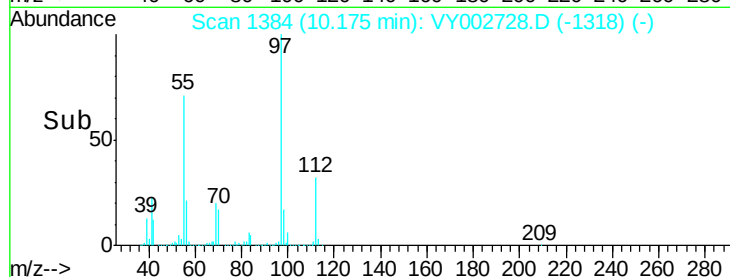
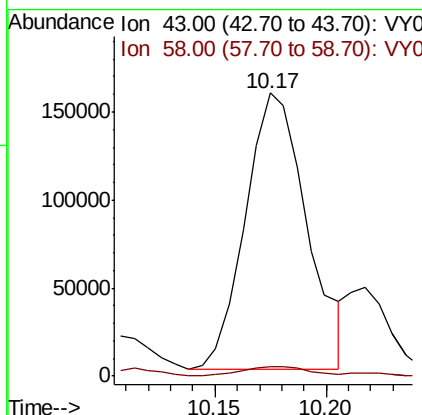
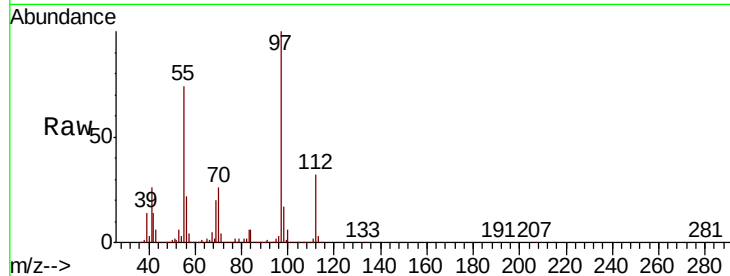




#51
4-Methyl-2-Pentanone
Concen: 183.413 ug/l
RT: 10.17 min Scan# 1384
Delta R.T. 0.10 min
Lab File: VY002728.D
Acq: 20 May 2020 14:13

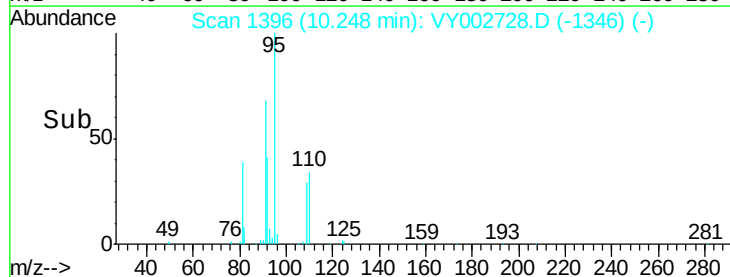
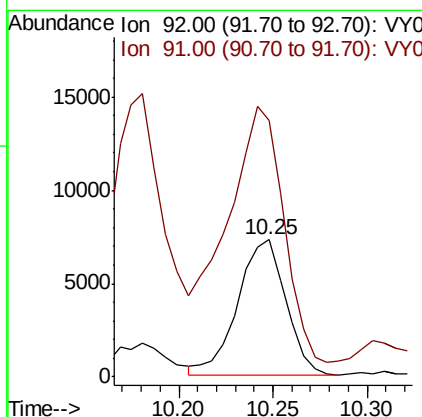
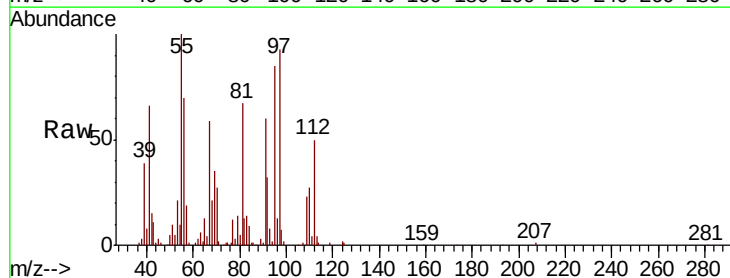
Instrument :
MSVOA_Y
ClientSampled :

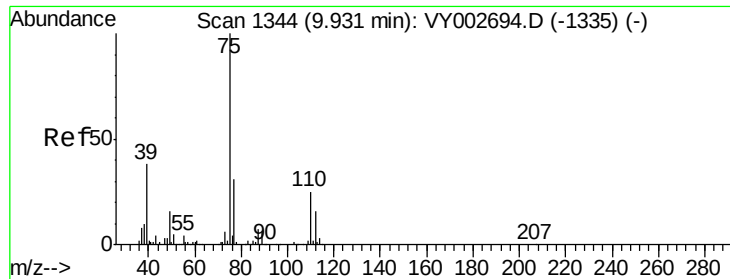
Tot Ion: 43 Resp: 302579
Ion Ratio Lower Upper
43 100
58 3.3 34.1 51.1#



#52
Toluene
Concen: 1.949 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. 0.01 min
Lab File: VY002728.D
Acq: 20 May 2020 14:13

Tgt Ion: 92 Resp: 12862
Ion Ratio Lower Upper
92 100
91 225.3 138.8 208.2#





#54

cis-1,3-Dichloropropene

Concen: 1.264 ug/l

RT: 9.90 min Scan# 1339

Delta R.T. -0.03 min

Lab File: VY002728.D

Acq: 20 May 2020 14:13

Instrument :

MSVOA_Y

ClientSampleId :

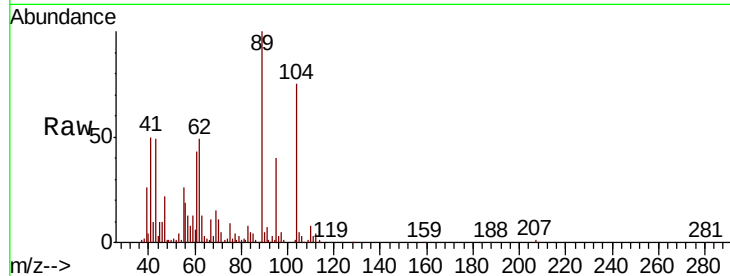
Tot Ion: 75 Resp: 5192

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

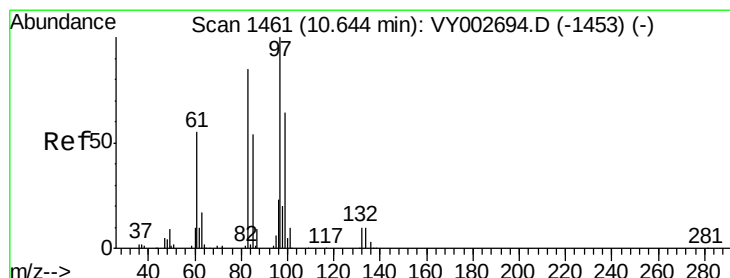
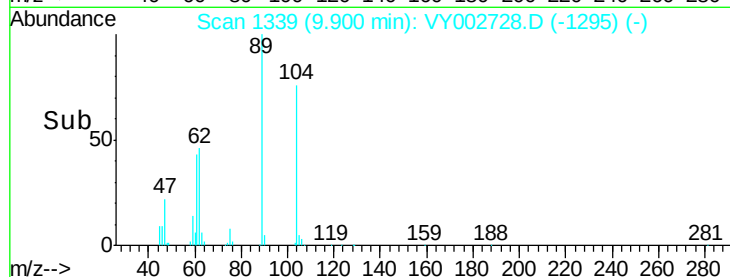
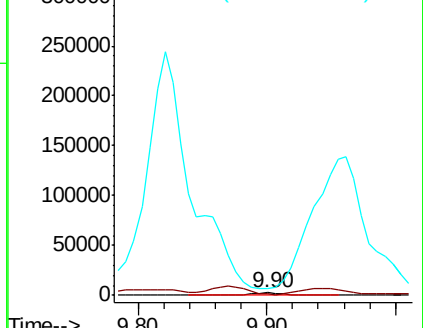
39 0.0 30.7 46.1#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0



#55

1,1,2-Trichloroethane

Concen: 734.565 ug/l

RT: 10.62 min Scan# 1457

Delta R.T. -0.02 min

Lab File: VY002728.D

Acq: 20 May 2020 14:13

Tgt Ion: 97 Resp: 1487346

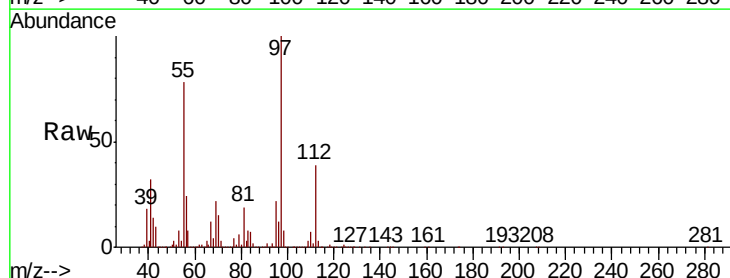
Ion Ratio Lower Upper

97 100

83 7.9 68.1 102.1#

85 2.2 43.1 64.7#

99 0.2 51.0 76.4#

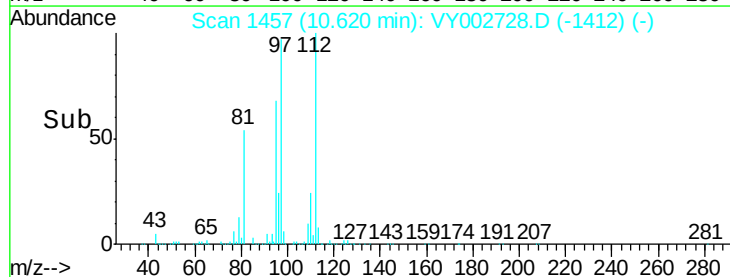
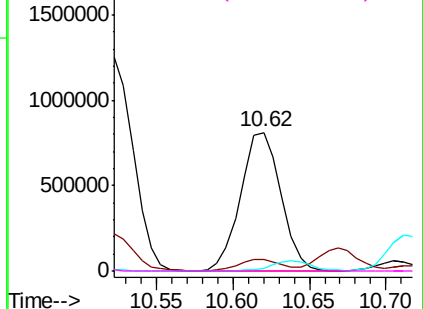


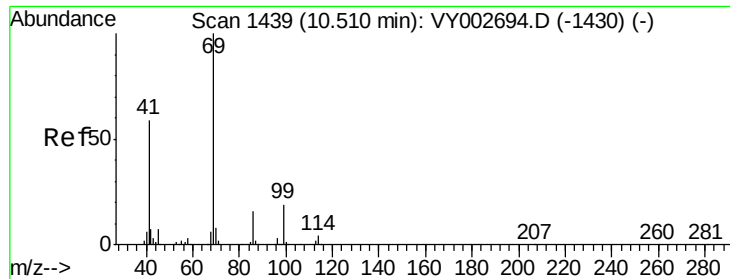
Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

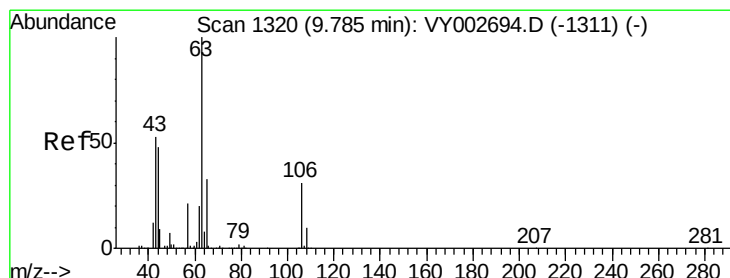
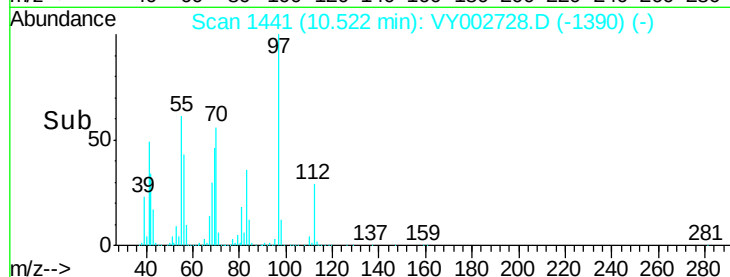
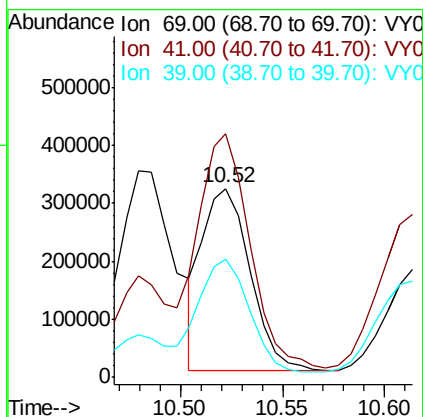
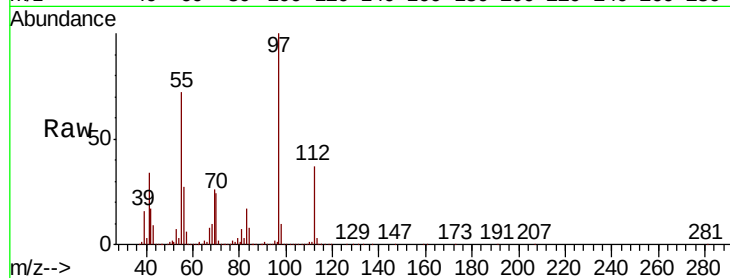




#56
Ethyl methacrylate
Concen: 189.395 ug/l
RT: 10.52 min Scan# 1441
Delta R.T. 0.01 min
Lab File: VY002728.D
Acq: 20 May 2020 14:13

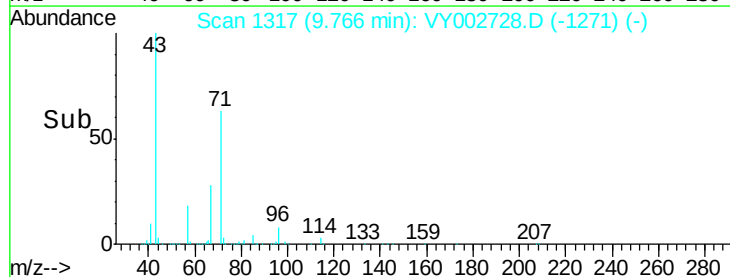
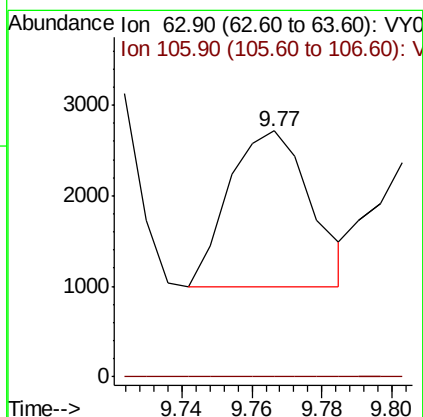
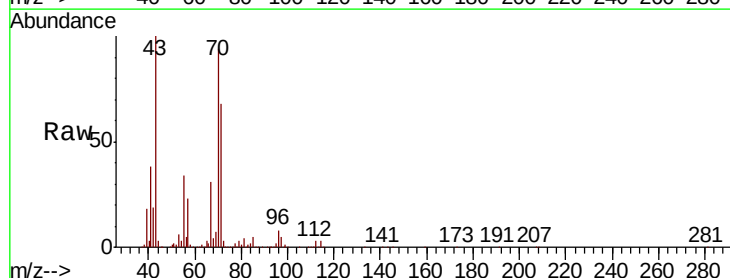
Instrument :
MSVOA_Y
ClientSampleId :

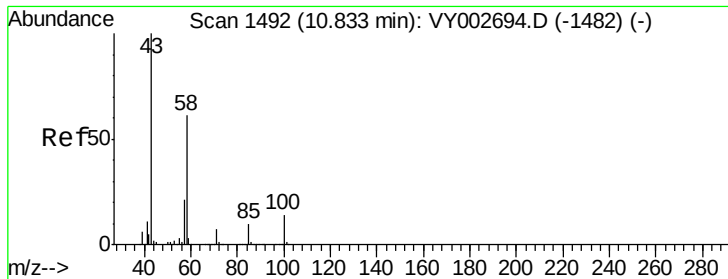
Tot Ion: 69 Resp: 510527
Ion Ratio Lower Upper
69 100
41 140.6 48.0 72.0#
39 71.0 22.1 33.1#



#58
2-Chloroethyl Vinyl ether
Concen: 2.115 ug/l
RT: 9.77 min Scan# 1317
Delta R.T. -0.02 min
Lab File: VY002728.D
Acq: 20 May 2020 14:13

Tgt Ion: 63 Resp: 2814
Ion Ratio Lower Upper
63 100
106 0.0 25.1 37.7#





#59

2-Hexanone

Concen: 2023.638 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. -0.03 min

Lab File: VY002728.D

Acq: 20 May 2020 14:13

Instrument :

MSVOA_Y

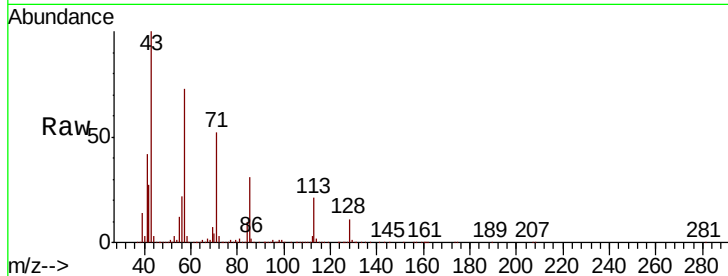
ClientSampleId :

Tot Ion: 43 Resp: 2325878

Ion Ratio Lower Upper

43 100

58 3.4 29.8 89.4#



Abundance Ion 43.00 (42.70 to 43.70): VY002728.D (-1482) (-)

Ion 58.00 (57.70 to 58.70): VY002728.D (-1482) (-)

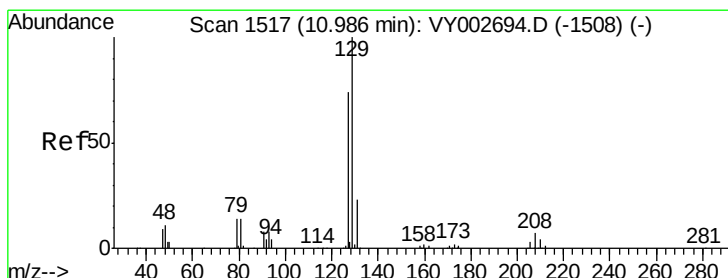
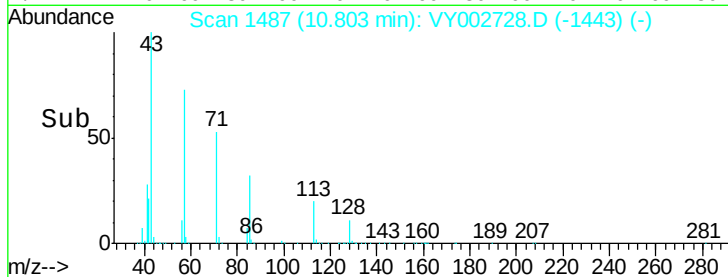
1500000

1000000

500000

0

Time--> 10.70 10.75 10.80 10.85



#60

Dibromochloromethane

Concen: 2.015 ug/l

RT: 10.91 min Scan# 1504

Delta R.T. -0.08 min

Lab File: VY002728.D

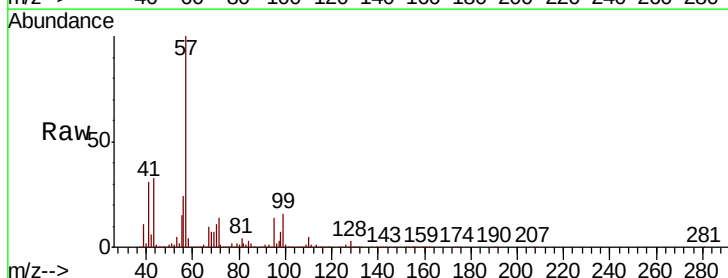
Acq: 20 May 2020 14:13

Tgt Ion: 129 Resp: 5211

Ion Ratio Lower Upper

129 100

127 54.0 38.5 115.3



Abundance Ion 128.80 (128.50 to 129.50): VY002728.D (-1468) (-)

Ion 126.80 (126.50 to 127.50): VY002728.D (-1468) (-)

10000

8000

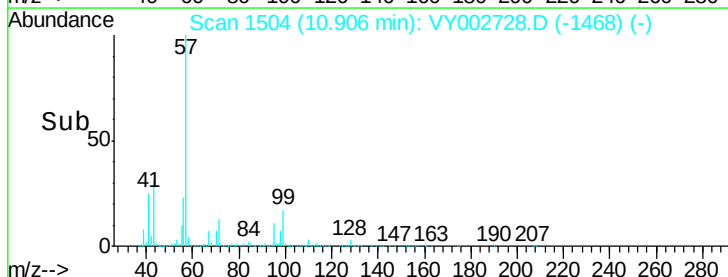
6000

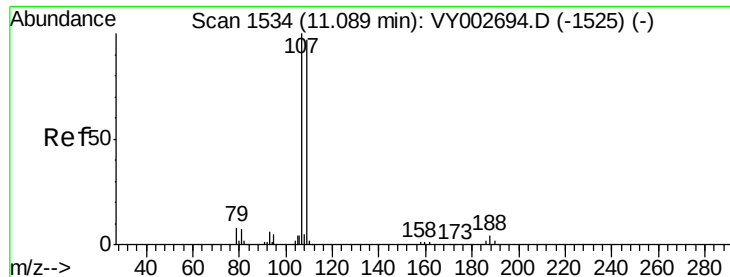
4000

2000

0

Time--> 10.85 10.90 10.95

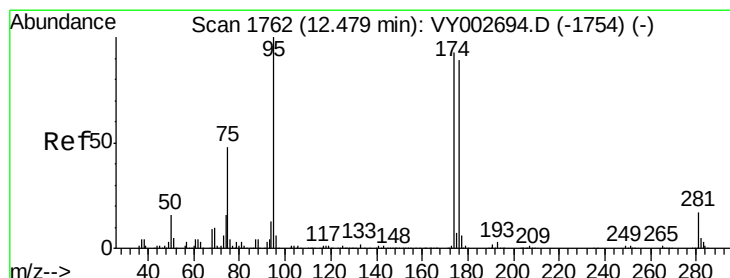
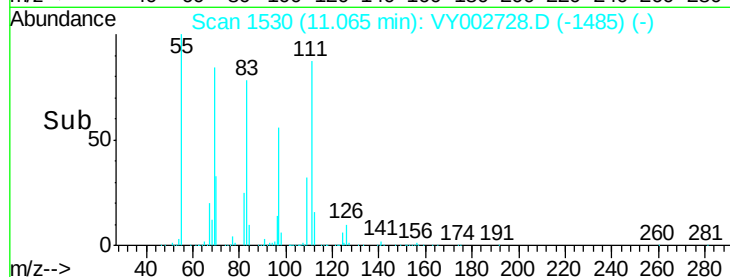
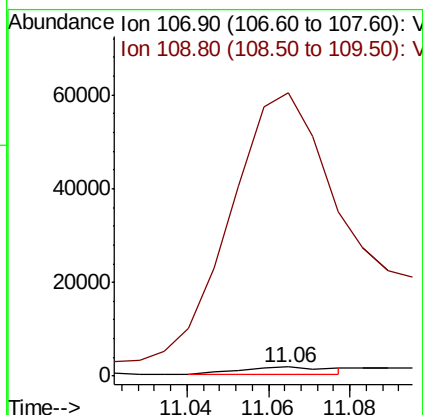
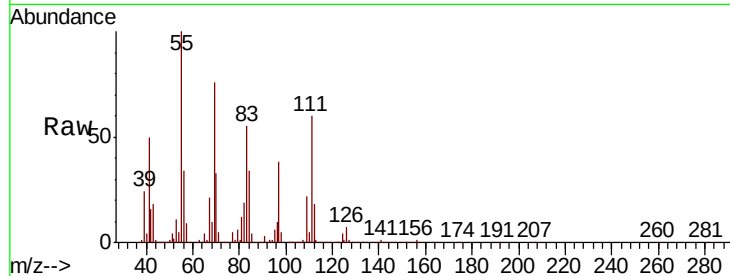




#61
 1,2-Dibromoethane
 Concen: 1.232 ug/l
 RT: 11.06 min Scan# 1530
 Delta R.T. -0.02 min
 Lab File: VY002728.D
 Acq: 20 May 2020 14:13

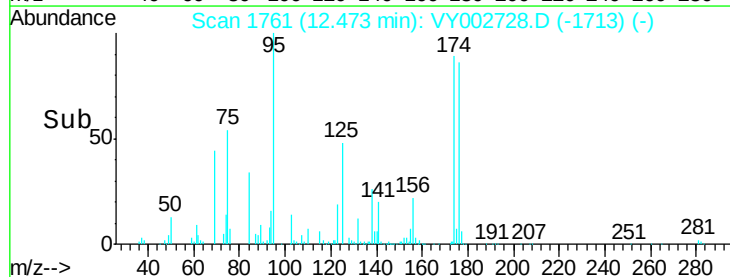
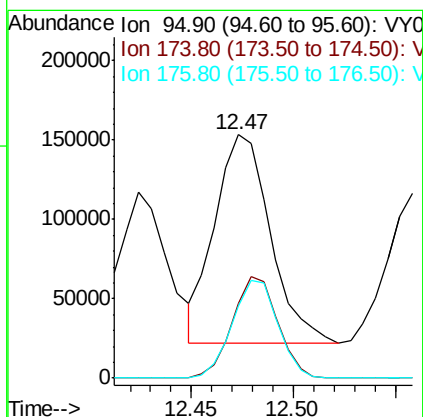
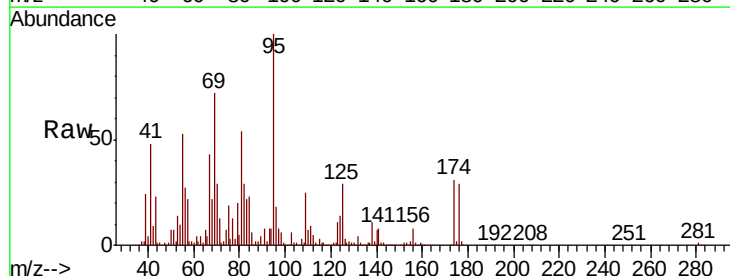
Instrument :
 MSVOA_Y
 ClientSampleId :

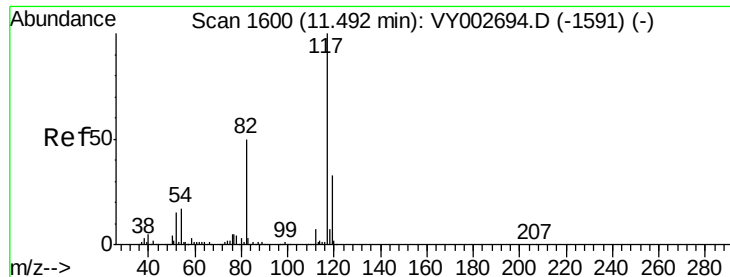
Tot Ion: 107 Resp: 2458
 Ion Ratio Lower Upper
 107 100
 109 5347.7 76.1 114.1#



#62
 4-Bromofluorobenzene
 Concen: 79.232 ug/l
 RT: 12.47 min Scan# 1761
 Delta R.T. -0.01 min
 Lab File: VY002728.D
 Acq: 20 May 2020 14:13

Tgt Ion: 95 Resp: 249855
 Ion Ratio Lower Upper
 95 100
 174 39.7 0.0 191.4
 176 38.5 0.0 186.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY002728.D

Acq: 20 May 2020 14:13

Instrument :

MSVOA_Y

ClientSampleId :

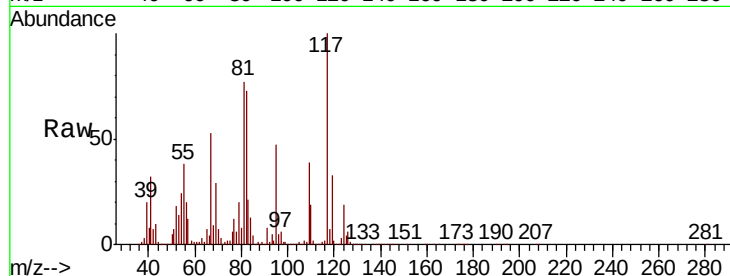
Tot Ion:117 Resp: 295061

Ion Ratio Lower Upper

117 100

82 45.8 40.3 60.5

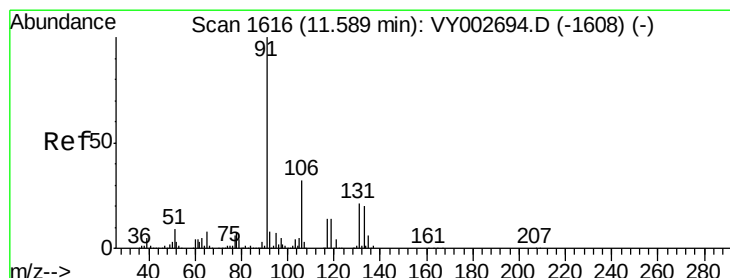
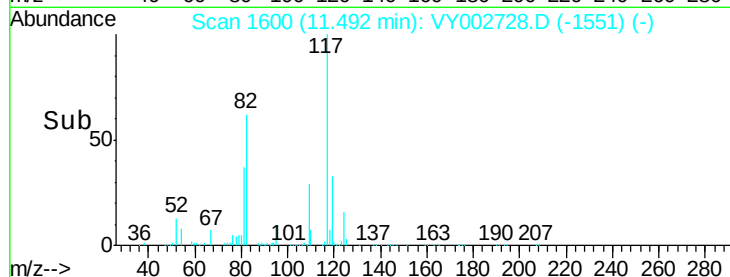
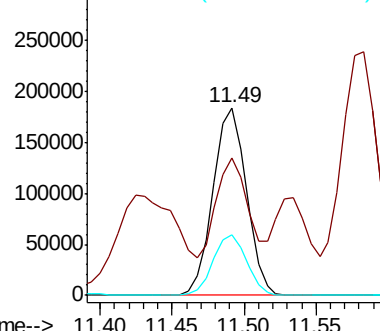
119 32.4 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 61.622 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY002728.D

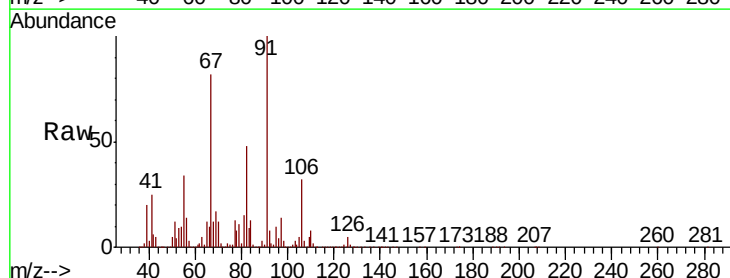
Acq: 20 May 2020 14:13

Tgt Ion: 91 Resp: 616903

Ion Ratio Lower Upper

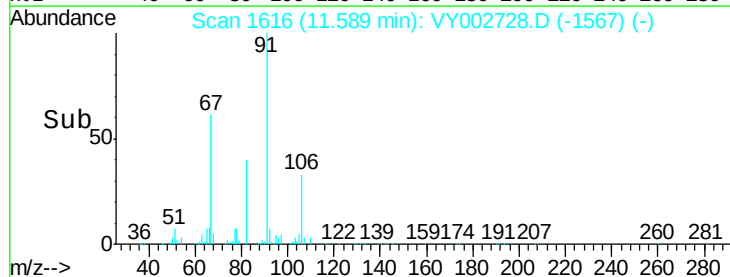
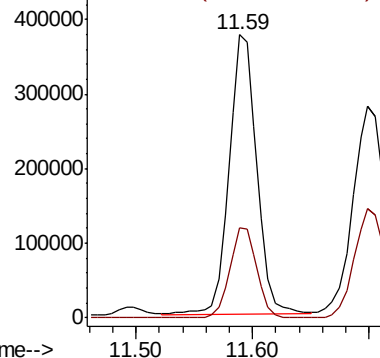
91 100

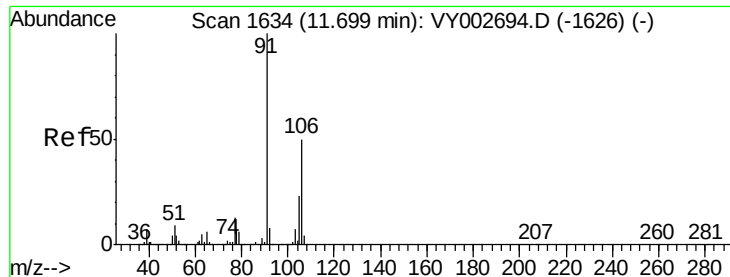
106 32.2 26.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V

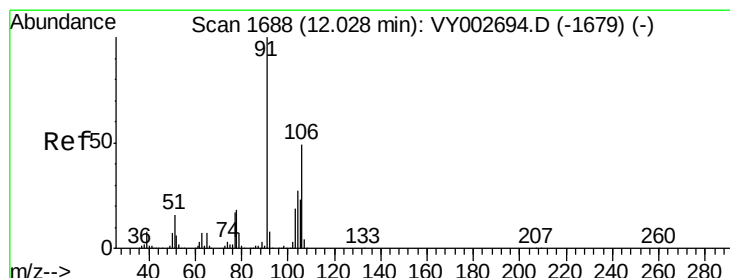
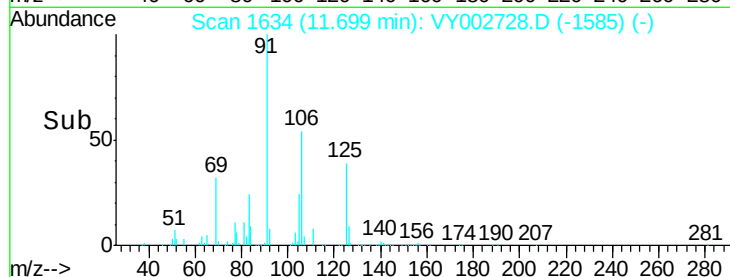
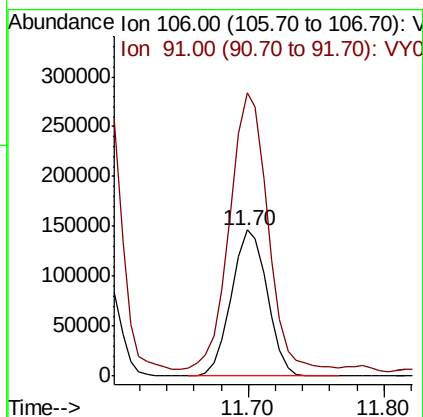
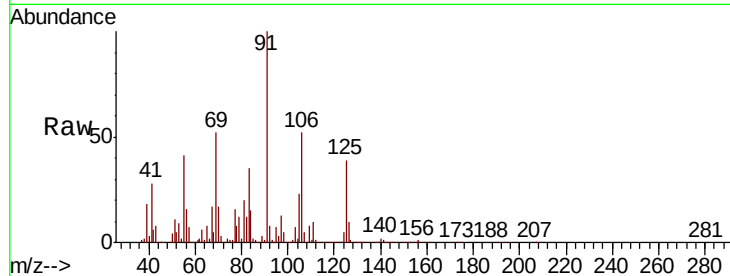




#68
m/p-Xylenes
Concen: 68.916 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY002728.D
Acq: 20 May 2020 14:13

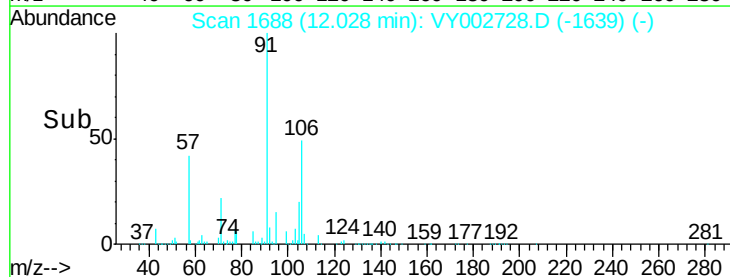
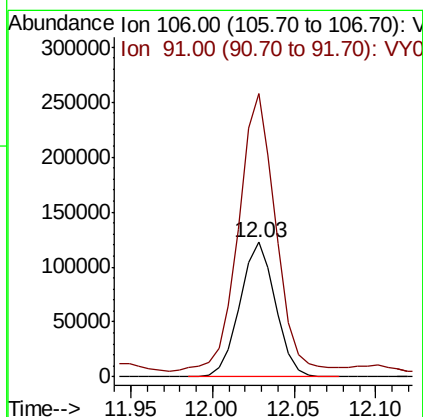
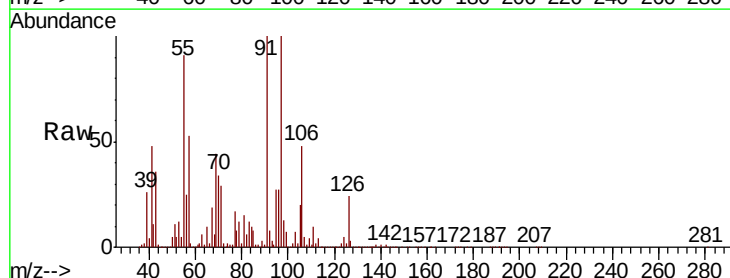
Instrument :
MSVOA_Y
ClientSampled :

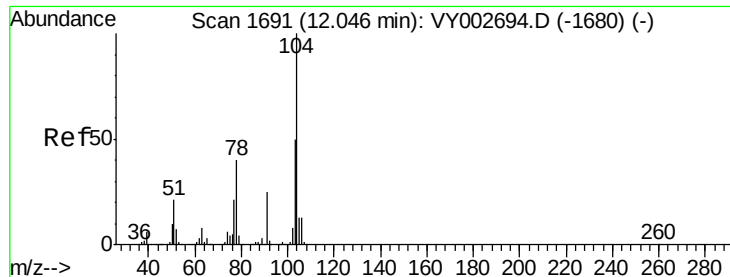
Tot Ion:106 Resp: 268414
Ion Ratio Lower Upper
106 100
91 199.2 156.2 234.4



#69
o-Xylene
Concen: 50.727 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY002728.D
Acq: 20 May 2020 14:13

Tgt Ion:106 Resp: 185438
Ion Ratio Lower Upper
106 100
91 213.2 103.5 310.3





#70

Stvrene

Concen: 1.605 ug/l

RT: 12.03 min Scan# 1688

Delta R.T. -0.02 min

Lab File: VY002728.D

Acq: 20 May 2020 14:13

Instrument :

MSVOA_Y

ClientSampleId :

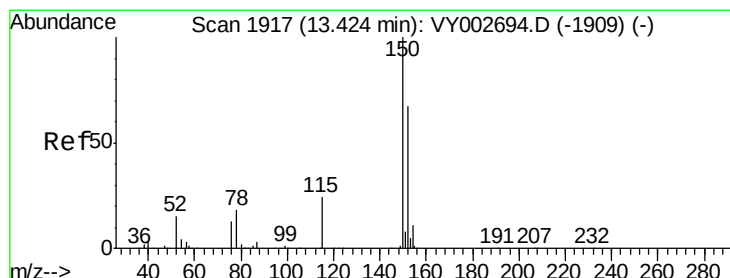
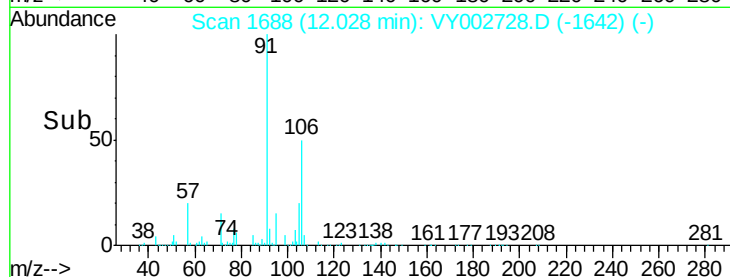
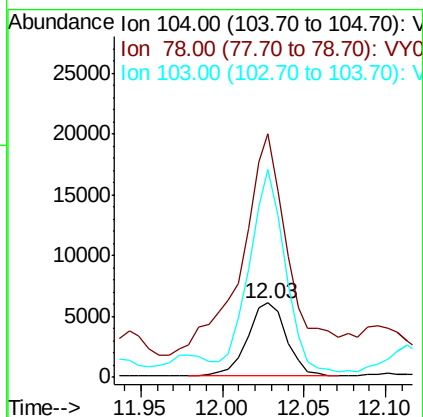
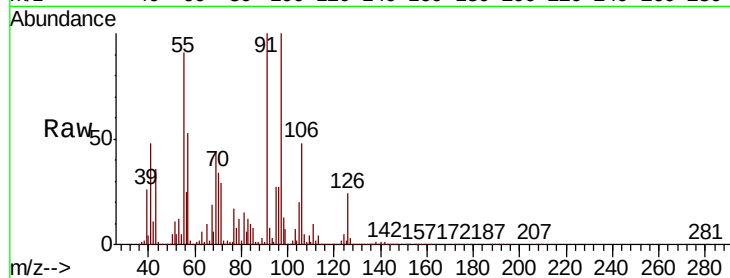
Tot Ion:104 Resp: 10075

Ion Ratio Lower Upper

104 100

78 356.0 36.6 54.8#

103 251.7 44.1 66.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY002728.D

Acq: 20 May 2020 14:13

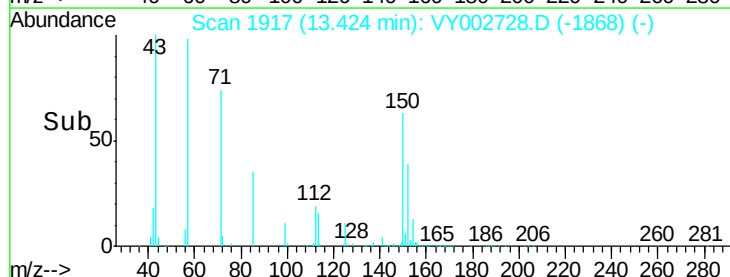
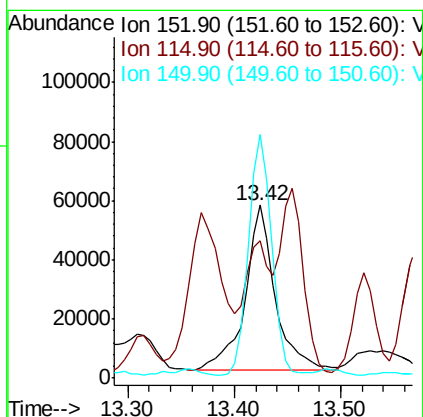
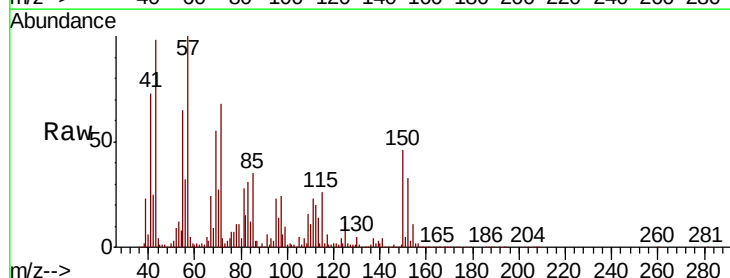
Tgt Ion:152 Resp: 111474

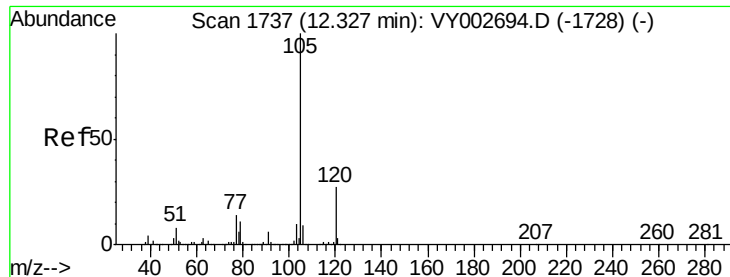
Ion Ratio Lower Upper

152 100

115 58.7 27.2 81.6

150 111.9 0.0 343.8





#73

Isopropylbenzene

Concen: 86.003 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY002728.D

Acq: 20 May 2020 14:13

Instrument :

MSVOA_Y

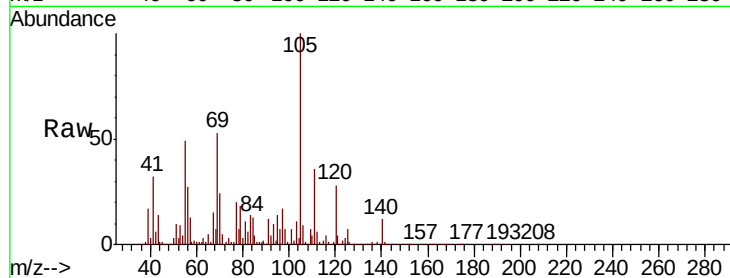
ClientSampleId :

Tot Ion:105 Resp: 626440

Ion Ratio Lower Upper

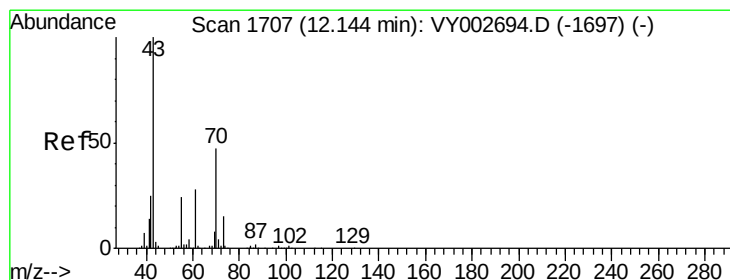
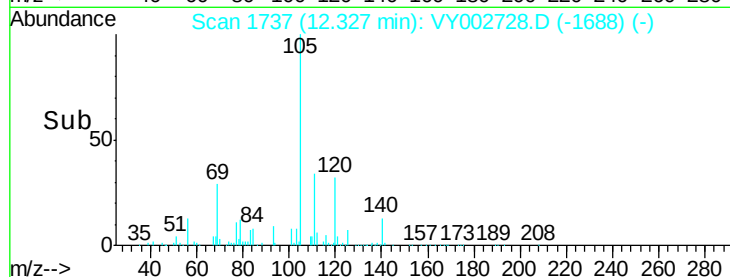
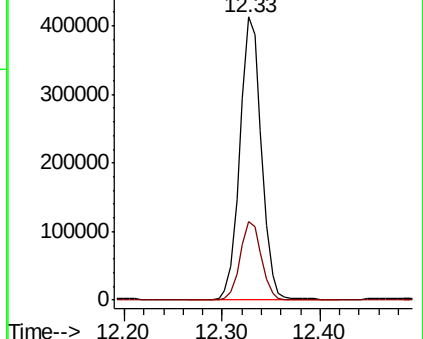
105 100

120 27.6 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 616.233 ug/l

RT: 12.13 min Scan# 1704

Delta R.T. -0.02 min

Lab File: VY002728.D

Acq: 20 May 2020 14:13

Tgt Ion: 43 Resp: 1053292

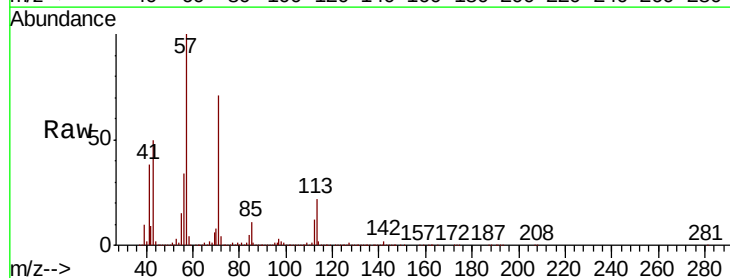
Ion Ratio Lower Upper

43 100

70 11.4 37.7 56.5#

55 16.9 19.4 29.0#

61 0.1 21.3 31.9#

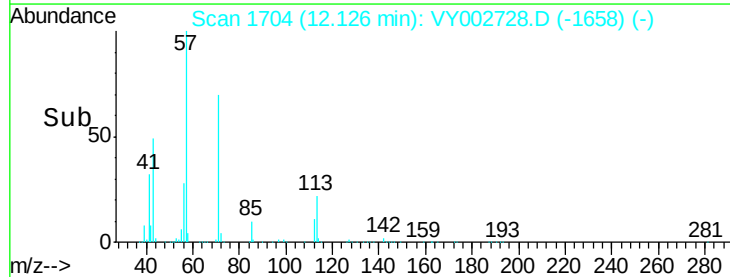
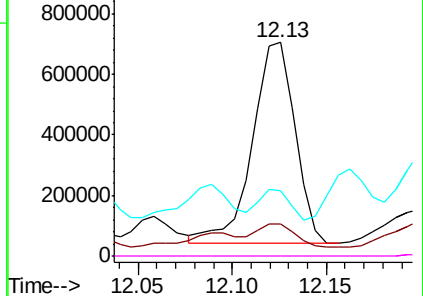


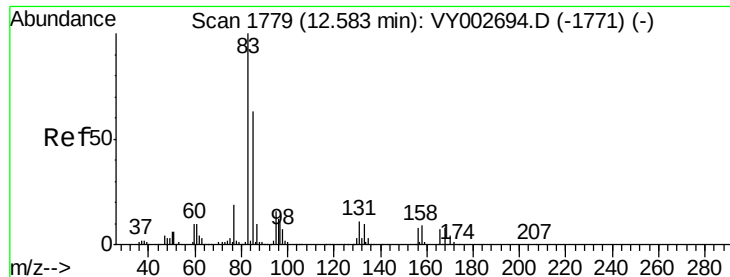
Abundance Ion 43.00 (42.70 to 43.70): VY0

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: 70.284 ug/l

RT: 12.56 min Scan# 1775

Delta R.T. -0.02 min

Lab File: VY002728.D

Acq: 20 May 2020 14:13

Instrument :

MSVOA_Y

ClientSampleId :

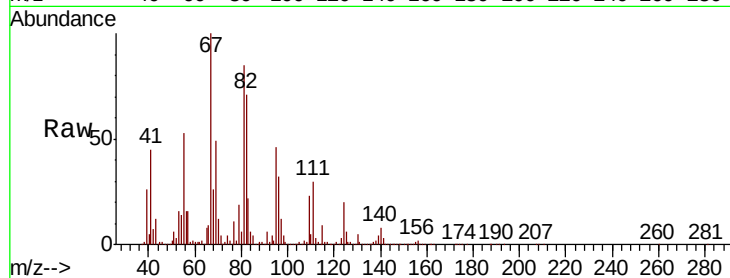
Tot Ion: 83 Resp: 75387

Ion Ratio Lower Upper

83 100

131 2.9 5.8 17.3#

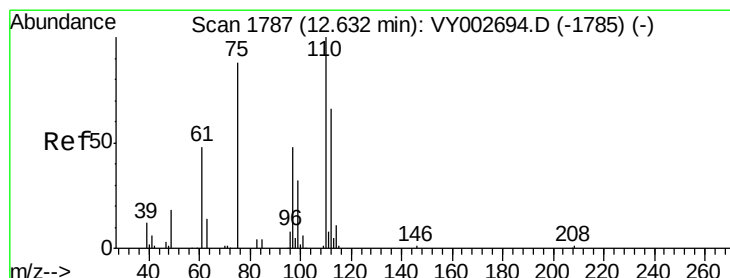
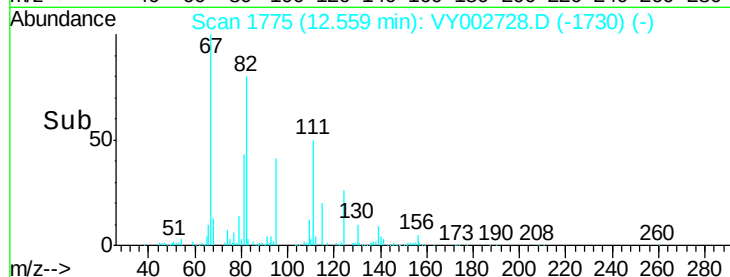
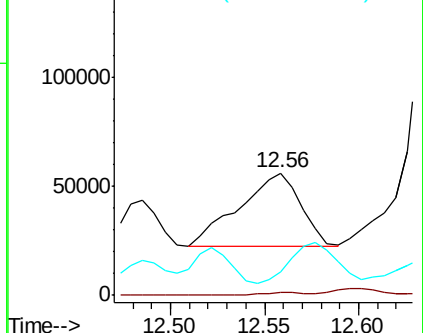
85 41.0 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VY002728.D (-1730) (-)

Ion 130.80 (130.50 to 131.50): VY002728.D (-1730) (-)

Ion 84.90 (84.60 to 85.60): VY002728.D (-1730) (-)



#76

1,2,3-Trichloropropane

Concen: 10.889 ug/l

RT: 12.66 min Scan# 1792

Delta R.T. 0.03 min

Lab File: VY002728.D

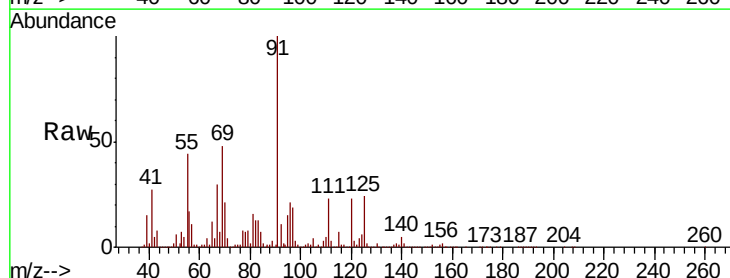
Acq: 20 May 2020 14:13

Tgt Ion: 75 Resp: 9971

Ion Ratio Lower Upper

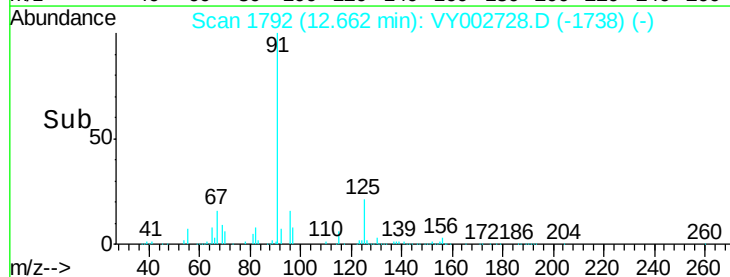
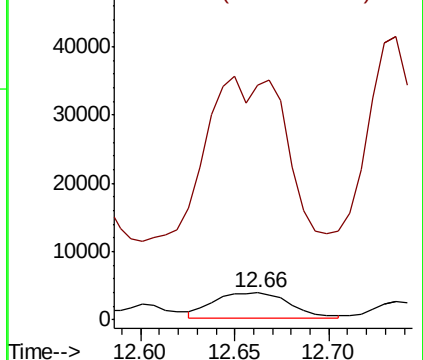
75 100

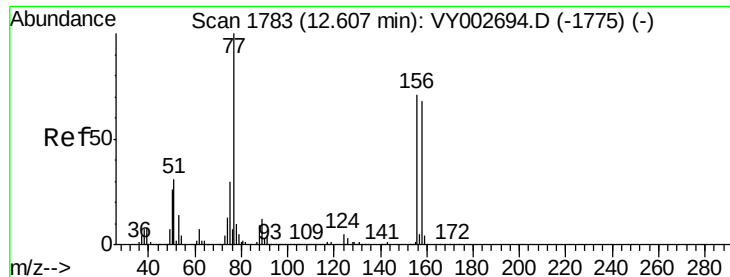
77 381.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY002728.D (-1738) (-)

Ion 77.00 (76.70 to 77.70): VY002728.D (-1738) (-)





#77

Bromobenzene

Concen: 30.325 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.07 min

Lab File: VY002728.D

Acq: 20 May 2020 14:13

Instrument :

MSVOA_Y

ClientSampleId :

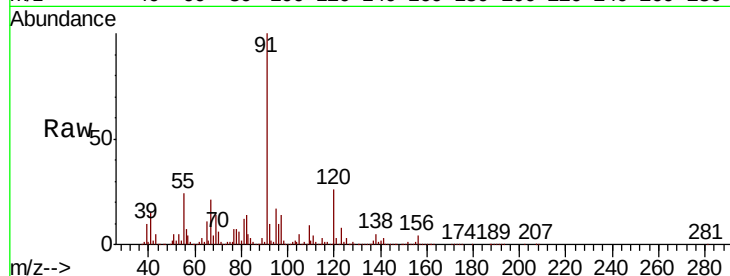
Tot Ion:156 Resp: 55223

Ion Ratio Lower Upper

156 100

77 0.0 80.8 242.3#

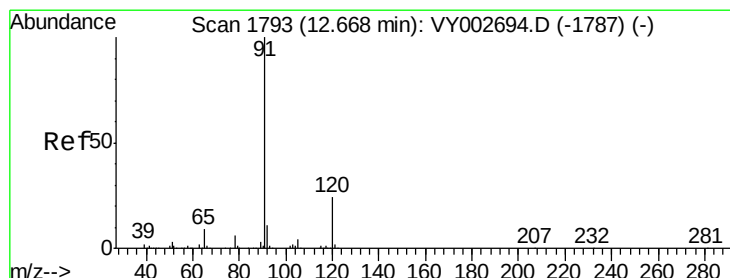
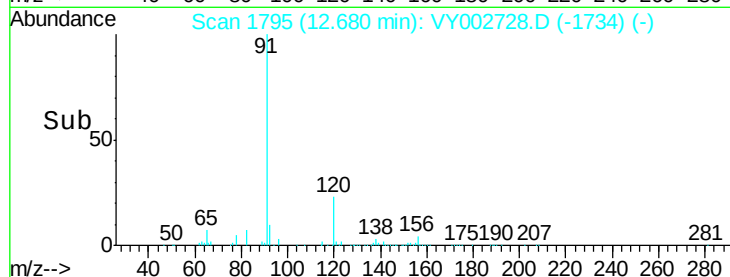
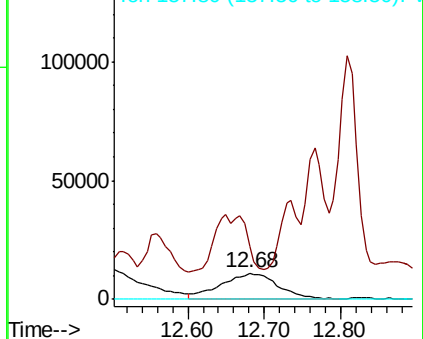
158 0.3 49.0 147.0#



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: 98.580 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY002728.D

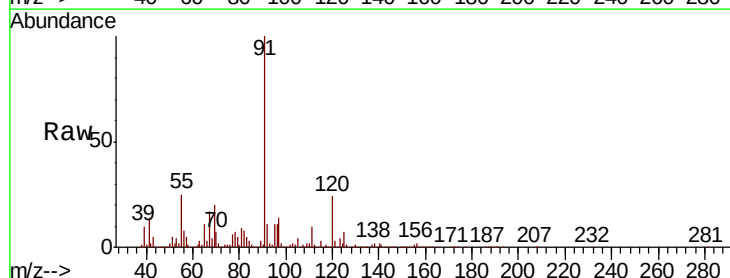
Acq: 20 May 2020 14:13

Tgt Ion: 91 Resp: 835310

Ion Ratio Lower Upper

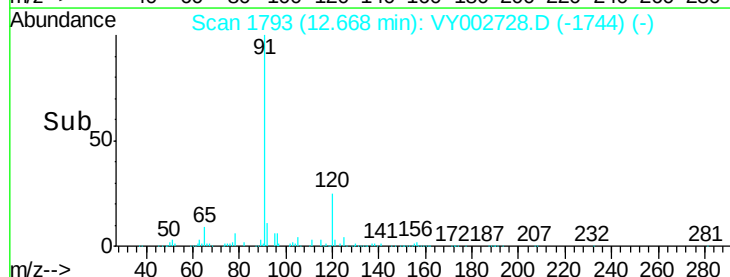
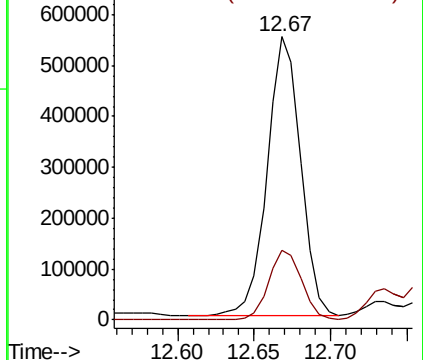
91 100

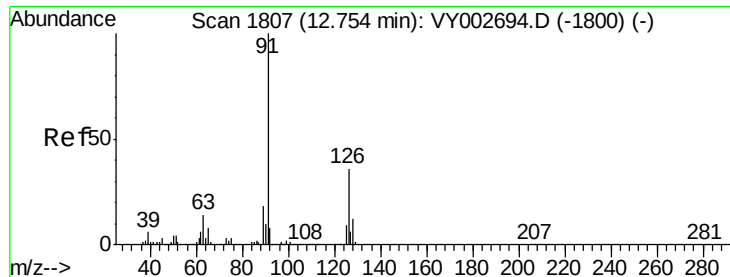
120 24.4 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

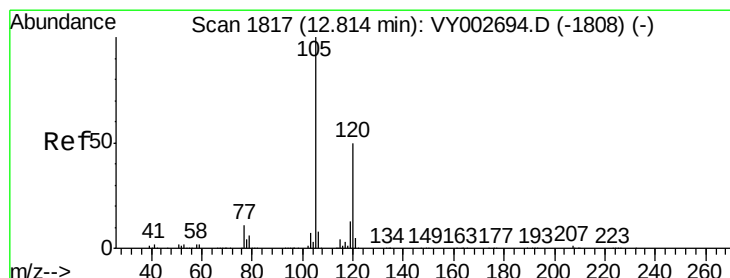
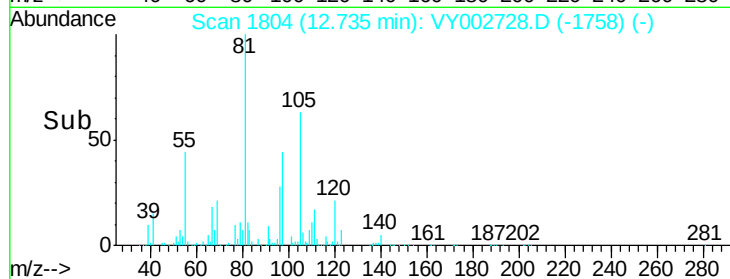
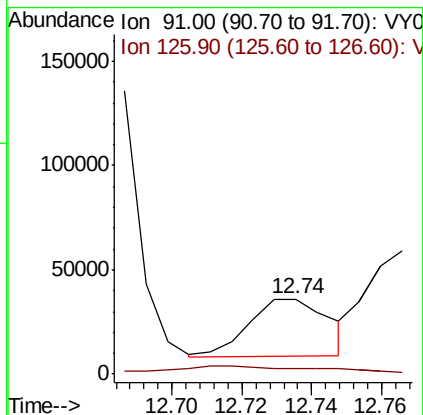
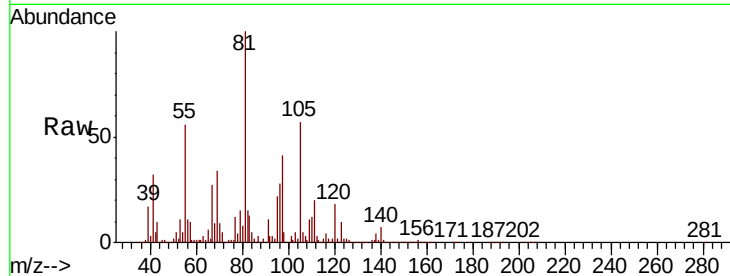




#79
 2-Chlorotoluene
 Concen: 9.301 ug/l
 RT: 12.74 min Scan# 1804
 Delta R.T. -0.02 min
 Lab File: VY002728.D
 Acq: 20 May 2020 14:13

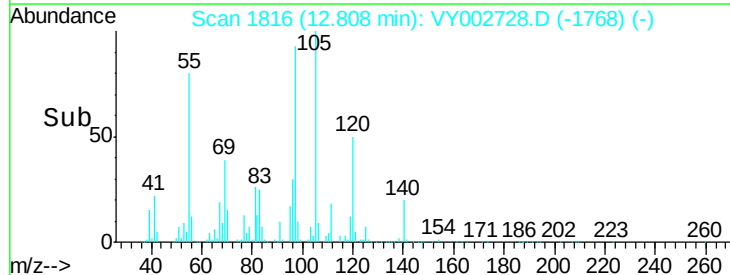
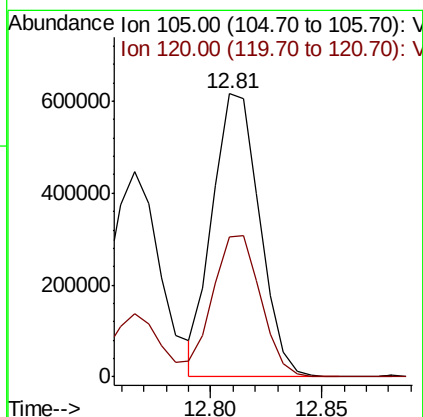
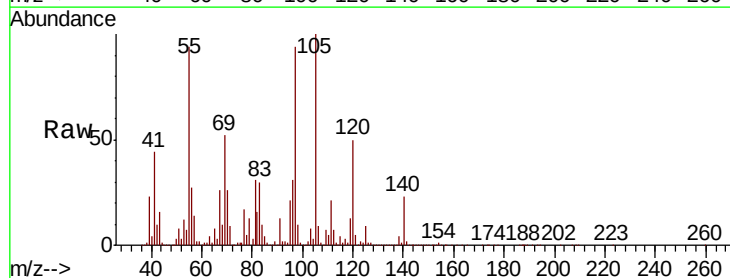
Instrument :
 MSVOA_Y
 ClientSampled :

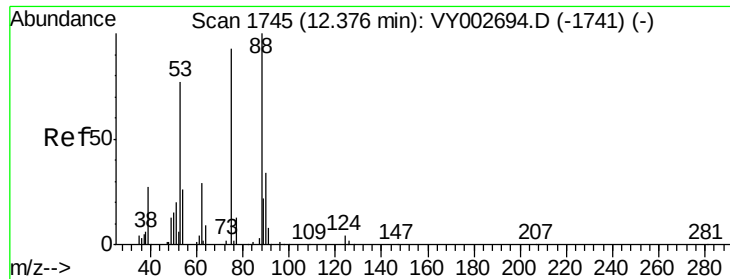
Tot Ion: 91 Resp: 43711
 Ion Ratio Lower Upper
 91 100
 126 18.8 18.4 55.0



#80
 1,3,5-Trimethylbenzene
 Concen: 147.151 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.01 min
 Lab File: VY002728.D
 Acq: 20 May 2020 14:13

Tgt Ion: 105 Resp: 900615
 Ion Ratio Lower Upper
 105 100
 120 52.0 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 16.561 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.05 min

Lab File: VY002728.D

Acq: 20 May 2020 14:13

Instrument :

MSVOA_Y

ClientSampleId :

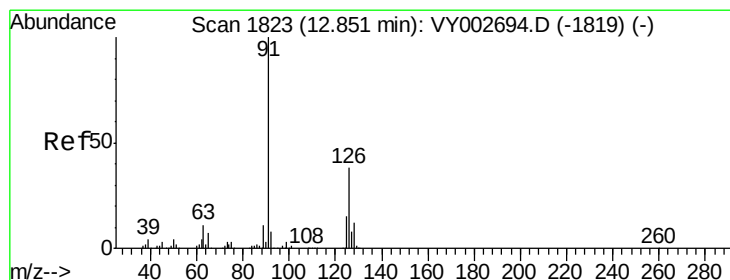
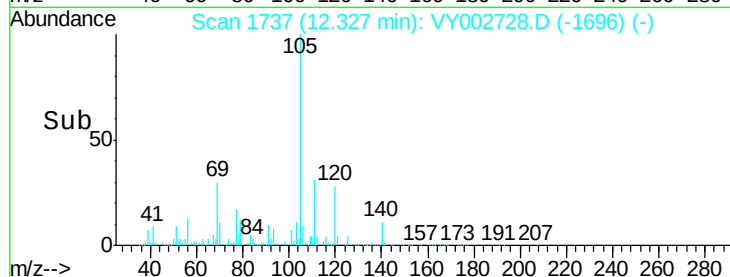
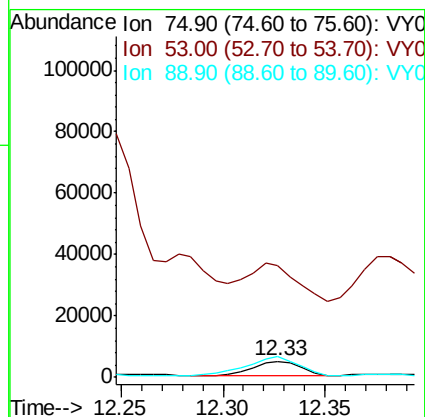
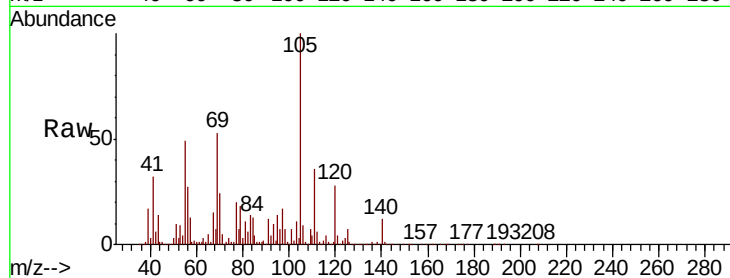
Tot Ion: 75 Resp: 8019

Ion Ratio Lower Upper

75 100

53 227.8 65.0 97.6#

89 144.9 66.6 99.8#



#82

4-Chlorotoluene

Concen: 8.935 ug/l

RT: 12.74 min Scan# 1804

Delta R.T. -0.12 min

Lab File: VY002728.D

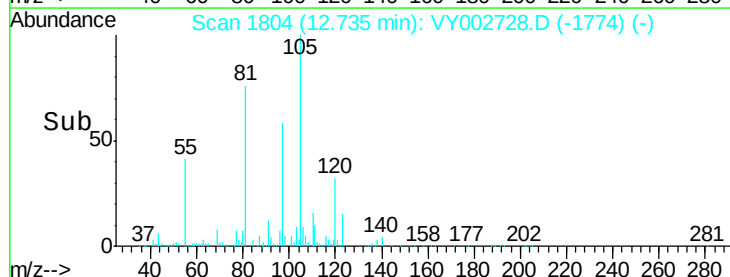
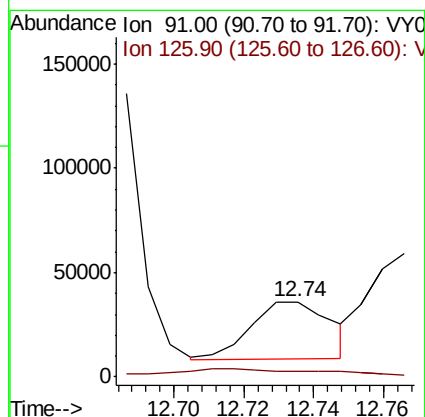
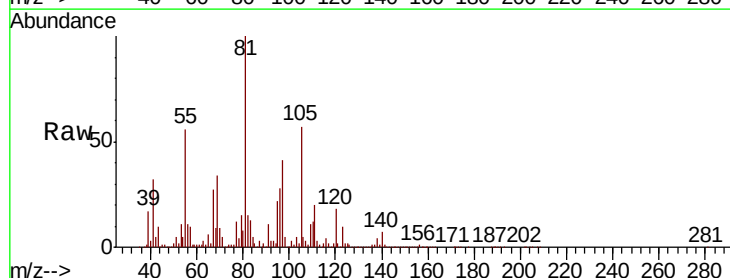
Acq: 20 May 2020 14:13

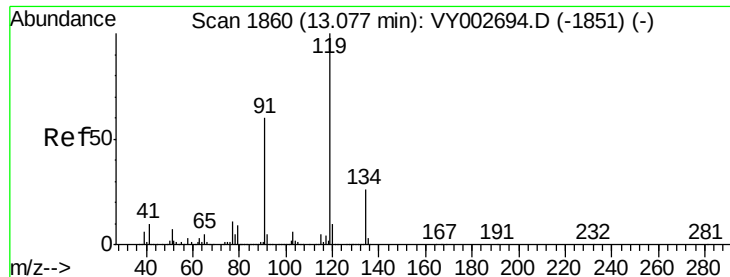
Tgt Ion: 91 Resp: 43986

Ion Ratio Lower Upper

91 100

126 18.7 18.6 56.0





#83

tert-Butylbenzene

Concen: 40.096 ug/l

RT: 13.31 min Scan# 1899

Delta R.T. 0.24 min

Lab File: VY002728.D

Acq: 20 May 2020 14:13

Instrument :

MSVOA_Y

ClientSampleId :

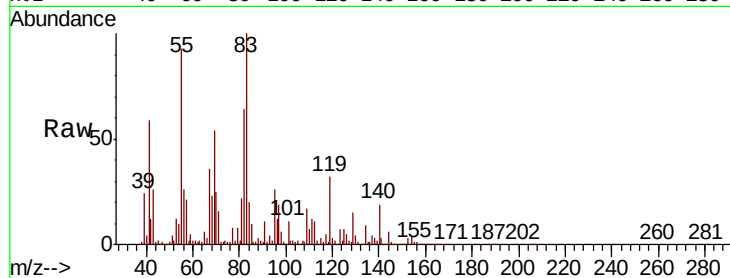
Tot Ion:119 Resp: 217185

Ion Ratio Lower Upper

119 100

91 32.5 30.4 91.2

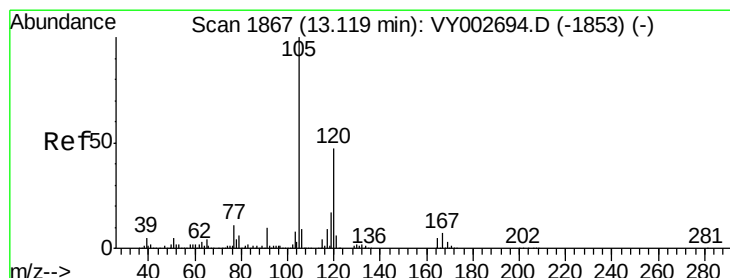
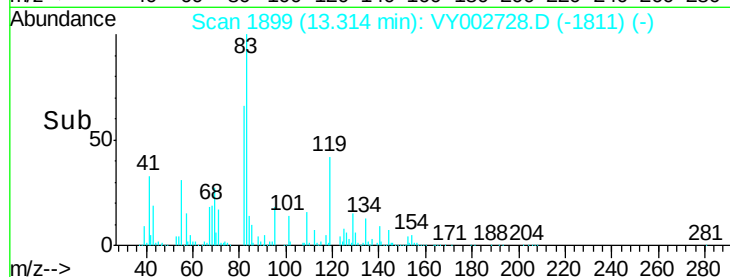
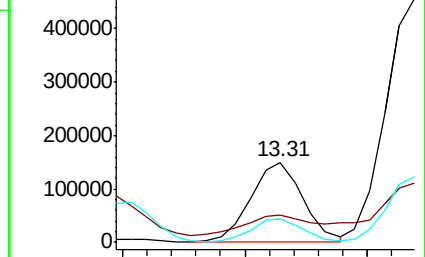
134 28.5 13.4 40.2



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: 396.934 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY002728.D

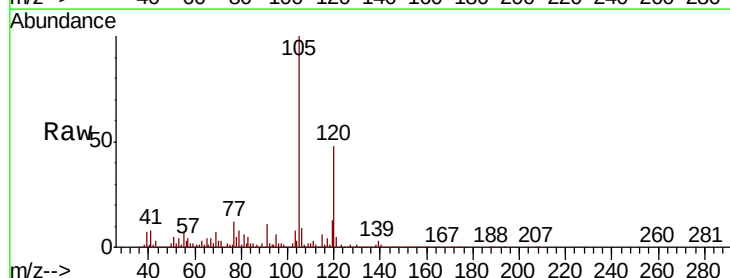
Acq: 20 May 2020 14:13

Tgt Ion:105 Resp: 2427911

Ion Ratio Lower Upper

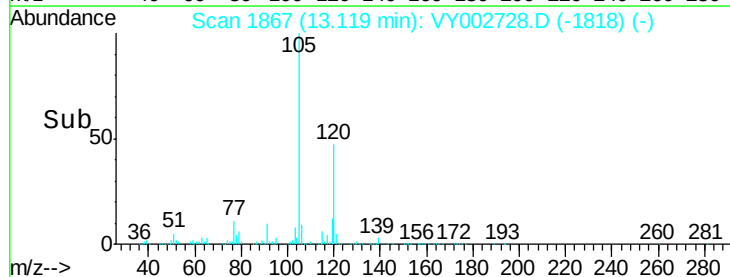
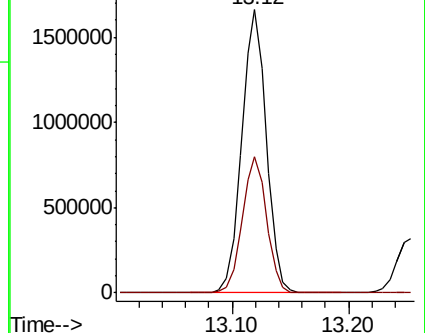
105 100

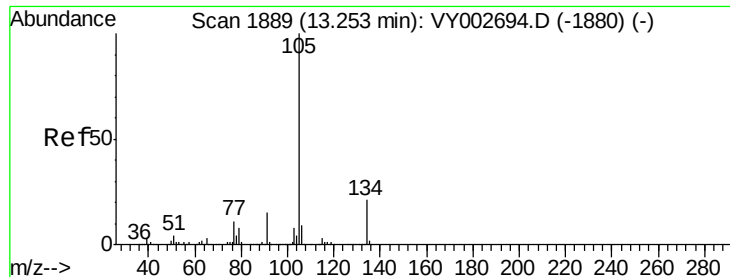
120 47.8 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 64.154 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY002728.D

Acq: 20 May 2020 14:13

Instrument :

MSVOA_Y

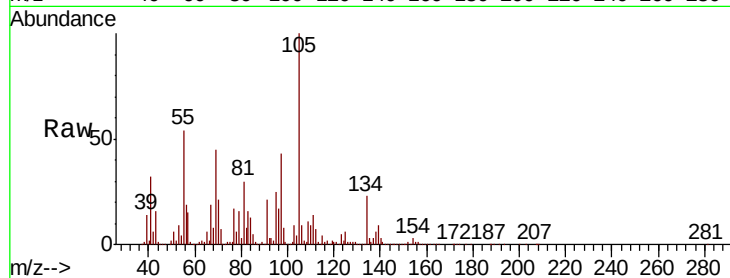
ClientSampleId :

Tot Ion:105 Resp: 479512

Ion Ratio Lower Upper

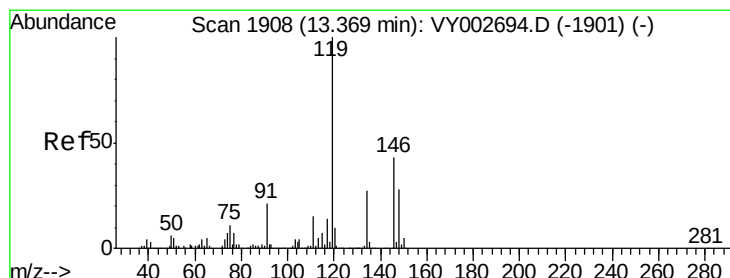
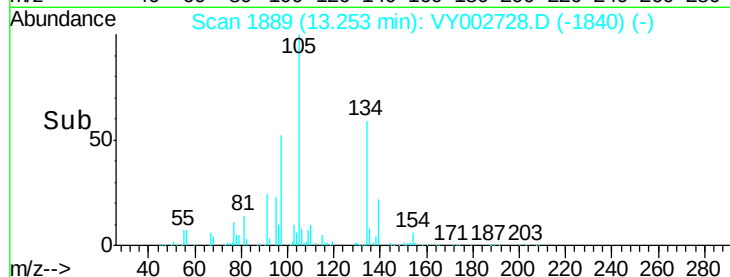
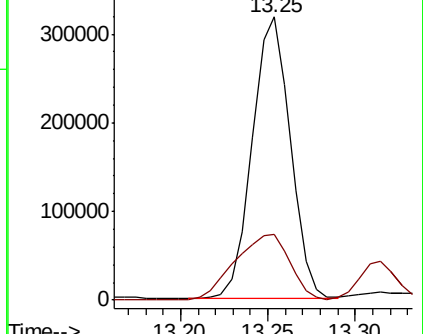
105 100

134 33.7 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: 94.595 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY002728.D

Acq: 20 May 2020 14:13

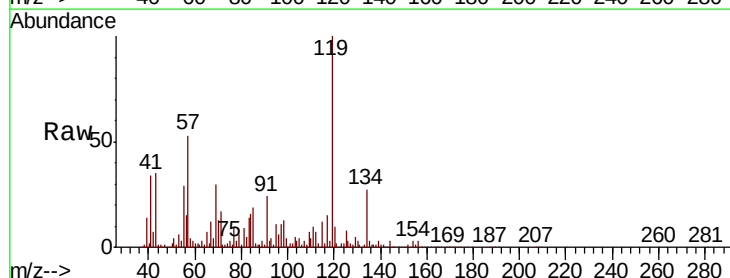
Tgt Ion:119 Resp: 661810

Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.5

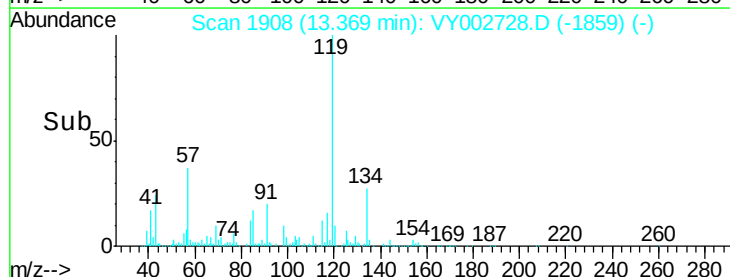
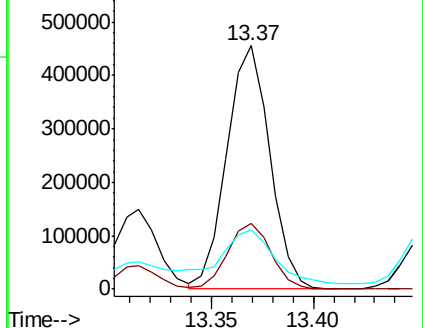
91 27.0 10.8 32.3

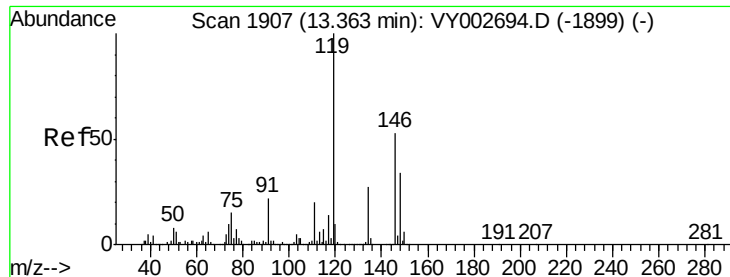


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 1.271 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY002728.D

Acq: 20 May 2020 14:13

Instrument :

MSVOA_Y

ClientSampleId :

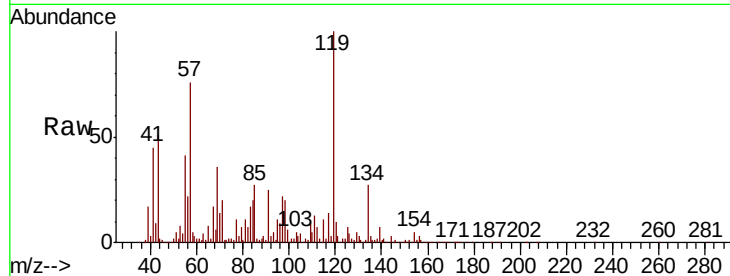
Tot Ion:146 Resp: 4463

Ion Ratio Lower Upper

146 100

111 2567.4 18.5 55.5#

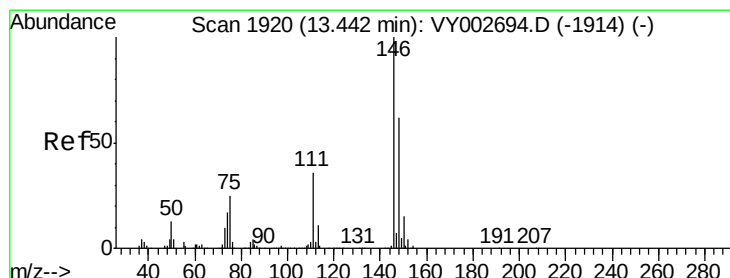
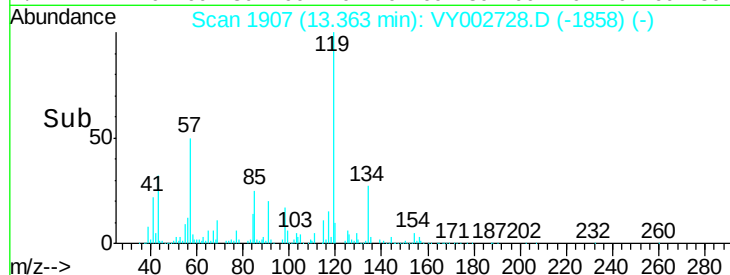
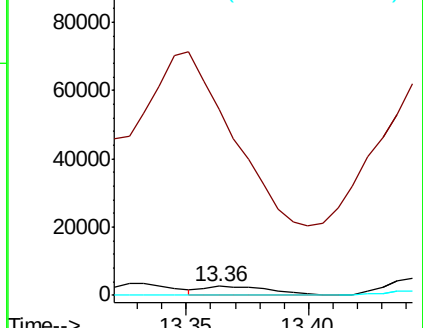
148 4.3 32.1 96.5#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 2.497 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VY002728.D

Acq: 20 May 2020 14:13

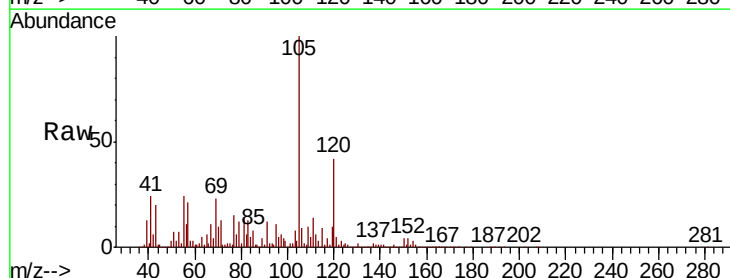
Tgt Ion:146 Resp: 8729

Ion Ratio Lower Upper

146 100

111 1130.7 18.1 54.4#

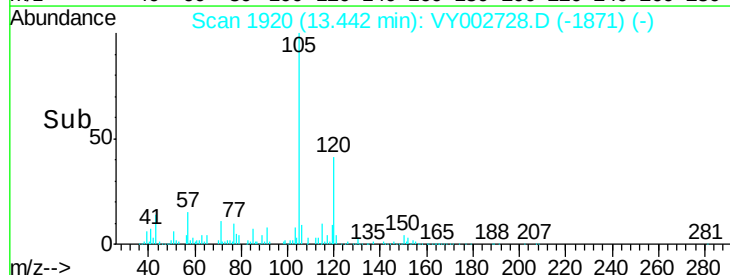
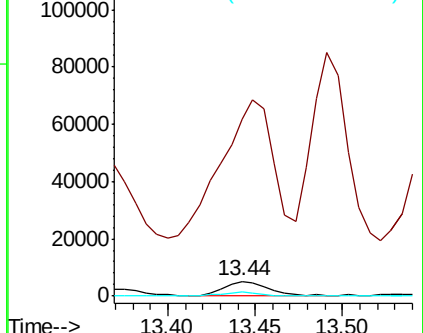
148 27.5 31.8 95.3#

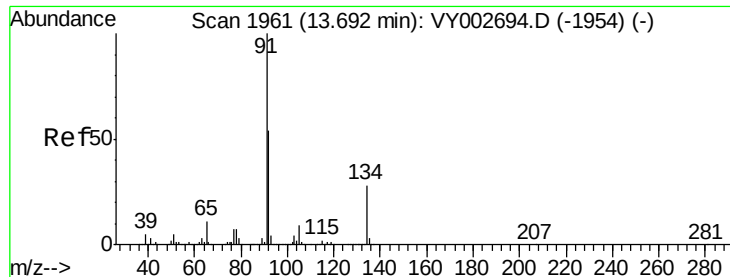


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 79.313 ug/l

RT: 13.69 min Scan# 1961

Delta R.T. 0.00 min

Lab File: VY002728.D

Acq: 20 May 2020 14:13

Instrument :

MSVOA_Y

ClientSampleId :

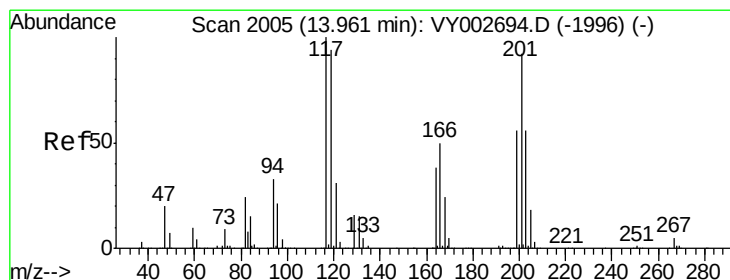
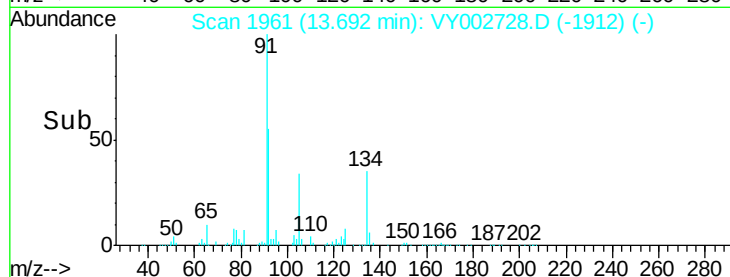
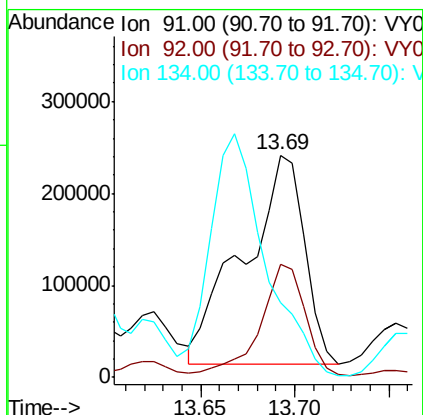
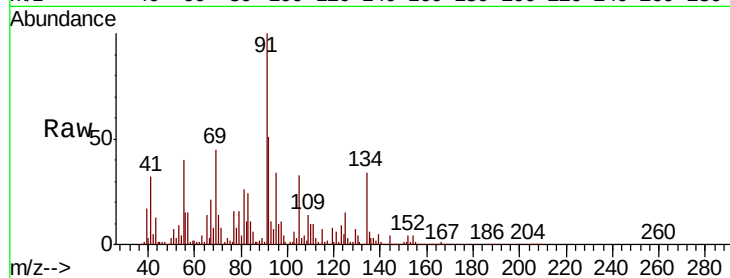
Tot Ion: 91 Resp: 509578

Ion Ratio Lower Upper

91 100

92 39.3 26.8 80.4

134 0.0 14.5 43.5#



#90

Hexachloroethane

Concen: 89.828 ug/l

RT: 13.97 min Scan# 2007

Delta R.T. 0.01 min

Lab File: VY002728.D

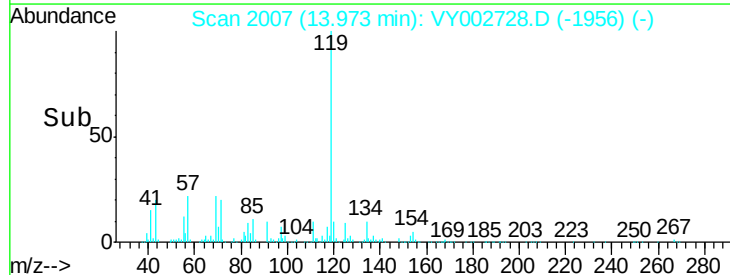
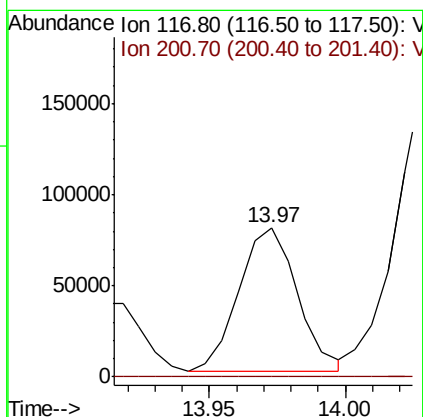
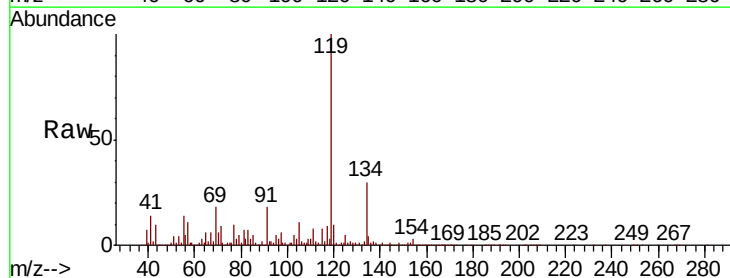
Acq: 20 May 2020 14:13

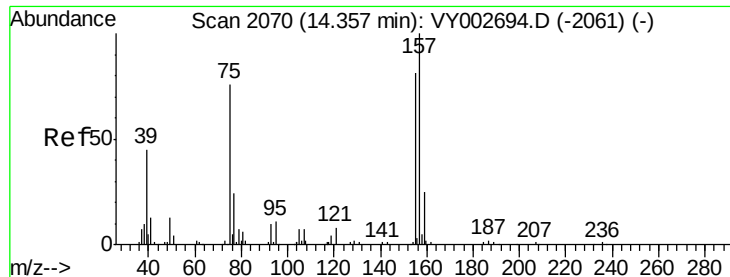
Tgt Ion: 117 Resp: 116403

Ion Ratio Lower Upper

117 100

201 0.0 44.9 134.7#

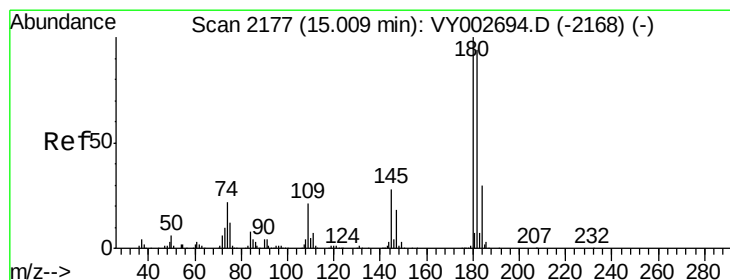
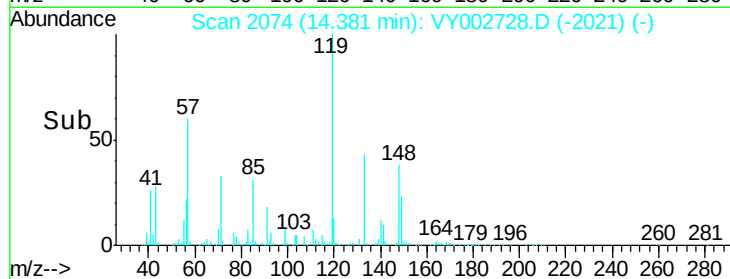
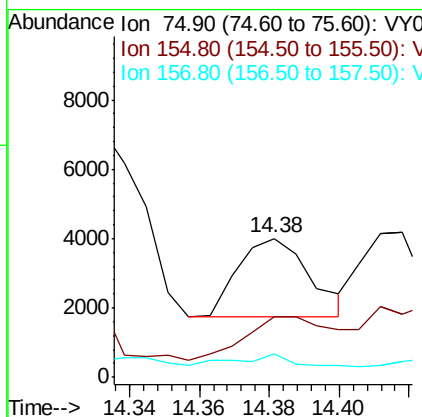
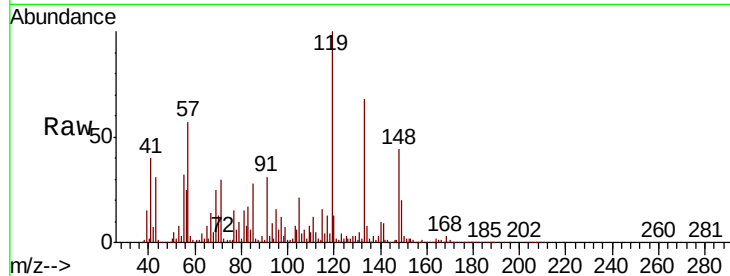




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.591 ug/l
 RT: 14.38 min Scan# 2074
 Delta R.T. 0.02 min
 Lab File: VY002728.D
 Acq: 20 May 2020 14:13

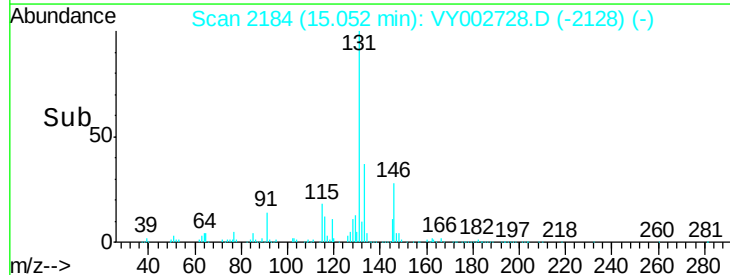
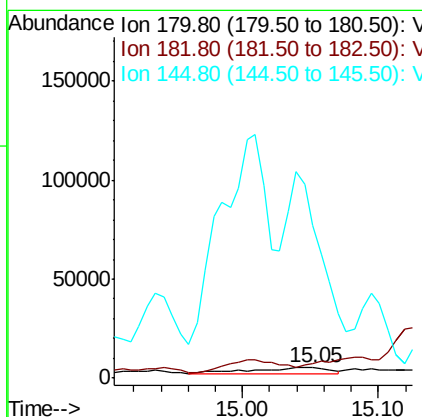
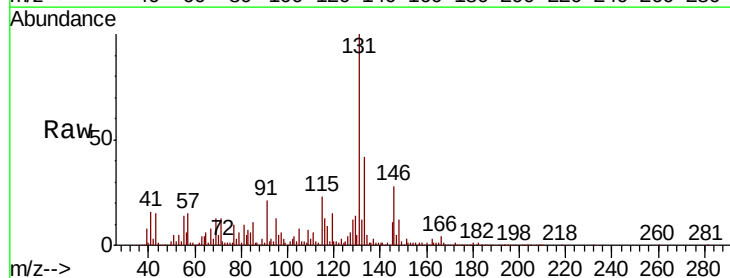
Instrument :
 MSVOA_Y
 ClientSampled :

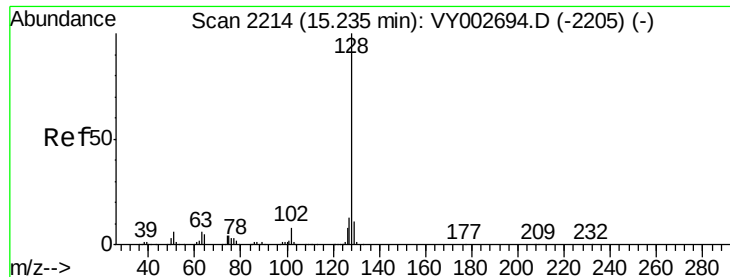
Tot Ion: 75 Resp: 3207
 Ion Ratio Lower Upper
 75 100
 155 76.9 53.5 160.7
 157 10.9 67.9 203.7#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.867 ug/l
 RT: 15.05 min Scan# 2184
 Delta R.T. 0.04 min
 Lab File: VY002728.D
 Acq: 20 May 2020 14:13

Tgt Ion: 180 Resp: 11224
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 142.0#
 145 1678.7 14.1 42.2#

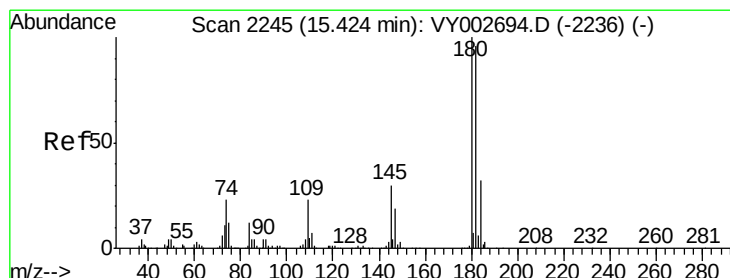
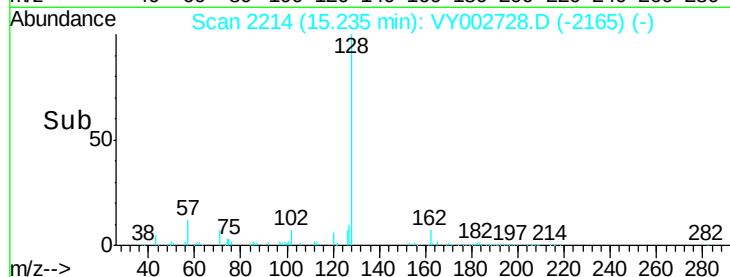
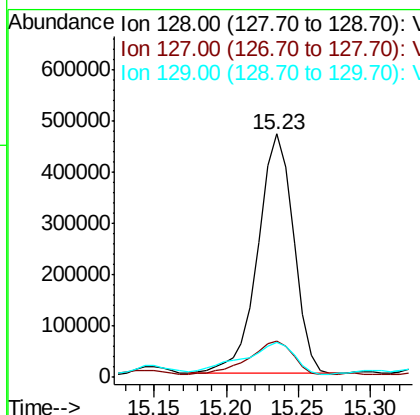
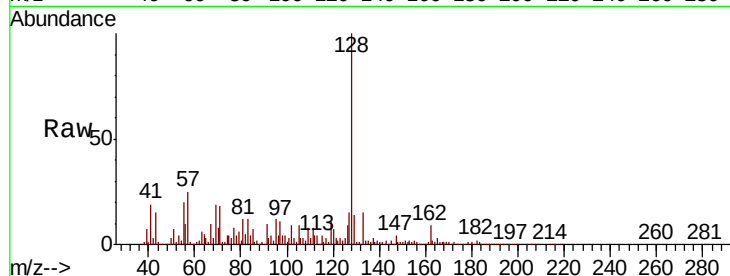




#95
Naphthalene
Concen: 185.445 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY002728.D
Acq: 20 May 2020 14:13

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:128 Resp: 804221
Ion Ratio Lower Upper
128 100
127 17.5 10.3 15.5#
129 18.7 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 5.327 ug/l
RT: 15.39 min Scan# 2239
Delta R.T. -0.04 min
Lab File: VY002728.D
Acq: 20 May 2020 14:13

Tgt Ion:180 Resp: 16144
Ion Ratio Lower Upper
180 100
182 0.0 47.6 142.9#
145 1718.5 15.1 45.3#

