

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052220\NOT REVIEWED DATA\
 Data File : VY002749.D
 Acq On : 22 May 2020 11:09
 Operator : SY/MD
 Sample : VY0522SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 22 19:56:30 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	359961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	532175	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	488708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	257654	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	152814	54.27	ug/l	0.00
Spiked Amount			Recovery	=	108.54%	
35) Dibromofluoromethane	7.73	113	161838	55.10	ug/l	0.00
Spiked Amount			Recovery	=	110.20%	
50) Toluene-d8	10.18	98	650846	55.04	ug/l	0.00
Spiked Amount			Recovery	=	110.08%	
62) 4-Bromofluorobenzene	12.49	95	221653	54.54	ug/l	0.00
Spiked Amount			Recovery	=	109.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	47910	18.574	ug/l	100
3) Chloromethane	2.12	50	56650	19.177	ug/l	99
4) Vinyl Chloride	2.26	62	61071	19.840	ug/l	95
5) Bromomethane	2.65	94	45172	19.800	ug/l	100
6) Chloroethane	2.80	64	39258	19.944	ug/l	98
7) Trichlorofluoromethane	3.13	101	102427	19.745	ug/l	98
8) Diethyl Ether	3.54	74	35505	20.120	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	60921	19.373	ug/l	99
10) Methyl Iodide	4.10	142	81878	18.917	ug/l	100
11) Tert butyl alcohol	4.96	59	30209	105.645	ug/l	99
12) 1,1-Dichloroethene	3.88	96	62452	19.780	ug/l	98
13) Acrolein	3.74	56	29690	88.525	ug/l	97
14) Allyl chloride	4.49	41	89845	19.821	ug/l	99
15) Acrylonitrile	5.18	53	84002	105.128	ug/l	99
16) Acetone	3.96	43	58901	101.478	ug/l	98
17) Carbon Disulfide	4.20	76	191873	19.374	ug/l	98
18) Methyl Acetate	4.48	43	36483	22.045	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	158527	20.242	ug/l	99
20) Methylene Chloride	4.72	84	70678	20.144	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	68503	19.512	ug/l	98
22) Diisopropyl ether	6.12	45	185608	20.639	ug/l	93
23) Vinyl Acetate	6.07	43	591065	102.642	ug/l	99
24) 1,1-Dichloroethane	6.02	63	108032	20.103	ug/l	99
25) 2-Butanone	6.99	43	100546	104.697	ug/l	99
26) 2,2-Dichloropropane	6.99	77	102210	20.442	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	76749	20.231	ug/l	100
28) Bromochloromethane	7.34	49	44248	20.814	ug/l	100
29) Tetrahydrofuran	7.35	42	69520	106.395	ug/l	100
30) Chloroform	7.52	83	112179	20.113	ug/l	99
31) Cyclohexane	7.79	56	106992	19.630	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	103060	19.998	ug/l	99
36) 1,1-Dichloropropene	7.93	75	91289	20.263	ug/l	99
37) Ethyl Acetate	7.08	43	46488	20.980	ug/l	99
38) Carbon Tetrachloride	7.91	117	97541	20.145	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	115626	19.088	ug/l	98
40) Benzene	8.16	78	265482	20.196	ug/l	99
41) Methacrylonitrile	7.35	41	63204	47.477	ug/l #	100
42) 1,2-Dichloroethane	8.24	62	69610	20.078	ug/l	100
43) Isopropyl Acetate	8.28	43	86403	20.982	ug/l	99
44) Trichloroethene	8.94	130	84826	20.245	ug/l	98
45) 1,2-Dichloropropane	9.22	63	63088	20.222	ug/l	99
46) Dibromomethane	9.31	93	35686	20.360	ug/l	99
47) Bromodichloromethane	9.50	83	86495	20.220	ug/l	97
48) Methyl methacrylate	9.29	41	39239	20.695	ug/l	97
49) 1,4-Dioxane	9.30	88	10006	419.149	ug/l	94
51) 4-Methyl-2-Pentanone	10.07	43	227463	106.986	ug/l	100
52) Toluene	10.25	92	171817	20.198	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	93006	20.370	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	107193	20.251	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	54982	21.070	ug/l	96
56) Ethyl methacrylate	10.51	69	72790	20.953	ug/l	99
57) 1,3-Dichloropropane	10.79	76	91125	20.838	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	175465	102.312	ug/l	100
59) 2-Hexanone	10.83	43	160179	108.137	ug/l	98
60) Dibromochloromethane	10.99	129	68041	20.410	ug/l	99
61) 1,2-Dibromoethane	11.09	107	52817	20.544	ug/l	99
64) Tetrachloroethene	10.72	164	95427	20.568	ug/l	99
65) Chlorobenzene	11.52	112	189192	20.034	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	71629	20.437	ug/l	99
67) Ethyl Benzene	11.60	91	334508	20.174	ug/l	100
68) m/p-Xylenes	11.70	106	259112	40.166	ug/l	99
69) o-Xylene	12.03	106	120178	19.849	ug/l	99
70) Styrene	12.05	104	210856	20.283	ug/l	99
71) Bromoform	12.21	173	44725	20.644	ug/l #	99
73) Isopropylbenzene	12.33	105	335707	19.940	ug/l	99
74) N-amyl acetate	12.14	43	81959	20.746	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	51081	20.604	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	82085	38.783	ug/l #	100
77) Bromobenzene	12.61	156	84600	20.099	ug/l	99
78) n-propylbenzene	12.67	91	393100	20.071	ug/l	100
79) 2-Chlorotoluene	12.76	91	215619	19.850	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	283912	20.070	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	23454	20.957	ug/l #	77
82) 4-Chlorotoluene	12.86	91	229348	20.156	ug/l	99
83) tert-Butylbenzene	13.08	119	246388	19.680	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	282797	20.003	ug/l	100
85) sec-Butylbenzene	13.25	105	345348	19.990	ug/l	100
86) p-Isopropyltoluene	13.37	119	321844	19.903	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	161494	19.900	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	161710	20.015	ug/l	99
89) n-Butylbenzene	13.70	91	296591	19.972	ug/l	100
90) Hexachloroethane	13.96	117	59293	19.797	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	144845	19.901	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	9872	20.765	ug/l	97

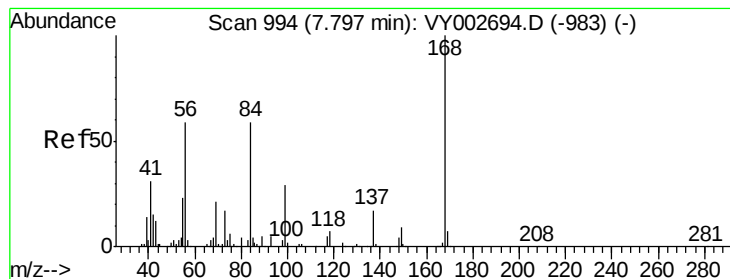
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	107645	18.511	ug/l	99
94) Hexachlorobutadiene	15.11	225	62809	17.687	ug/l	99
95) Naphthalene	15.23	128	194310	19.385	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	89797	17.936	ug/l	98

(#) = 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: VY002749.D

Acq: 22 May 2020 11:09

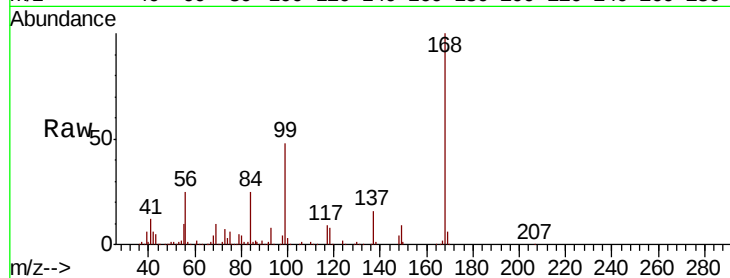
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 359961

Ion Ratio Lower Upper

168 100

99 48.0 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002749.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002749.D (-945) (-)

7.80

150000

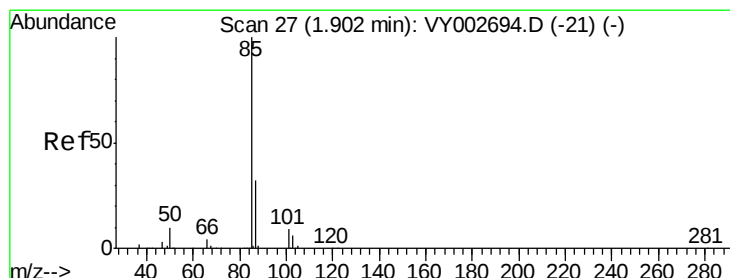
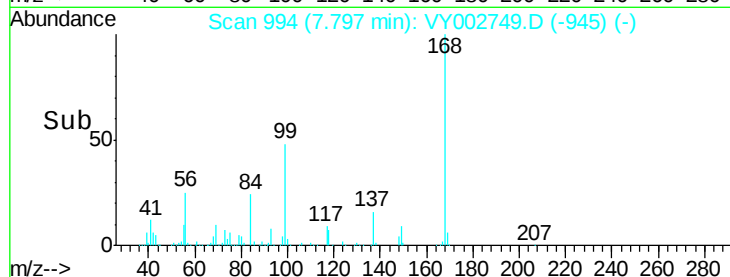
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 18.574 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY002749.D

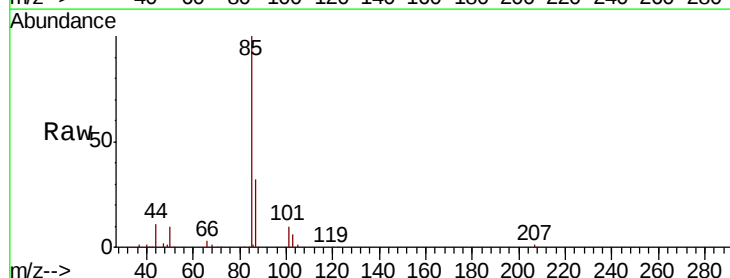
Acq: 22 May 2020 11:09

Tgt Ion: 85 Resp: 47910

Ion Ratio Lower Upper

85 100

87 31.6 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002749.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002749.D (-1) (-)

1.91

40000

30000

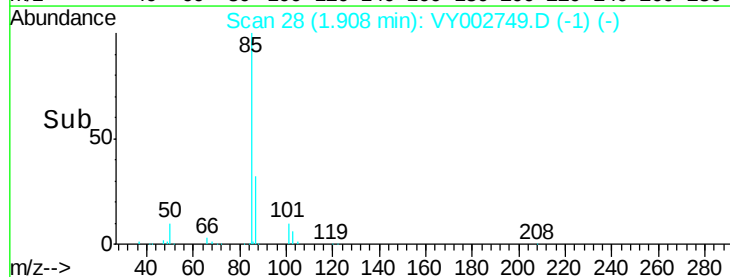
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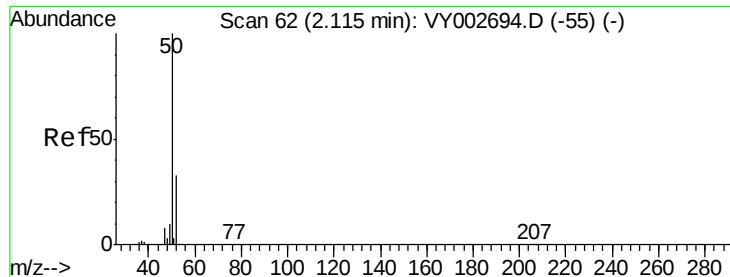
10000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 19.177 ug/l

RT: 2.12 min Scan# 63

Delta R.T. 0.01 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

Instrument :

MSVOA_Y

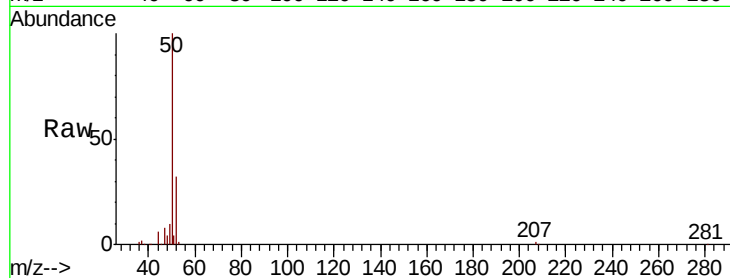
ClientSampleId :

Tot Ion: 50 Resp: 56650

Ion Ratio Lower Upper

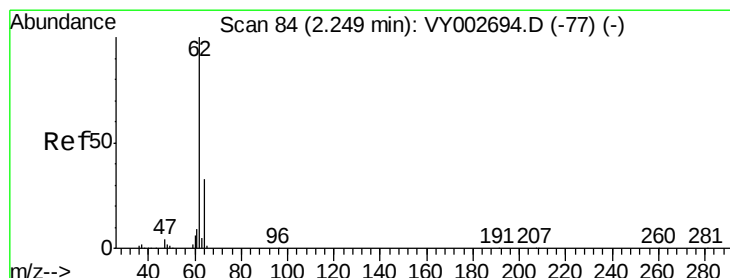
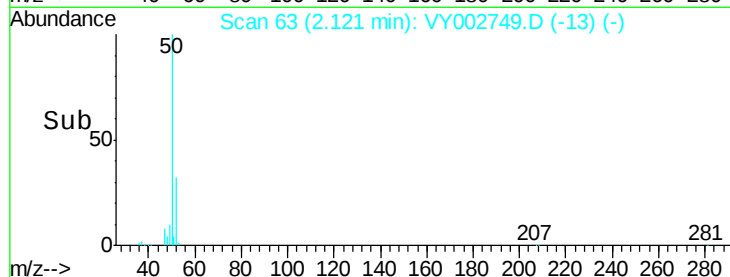
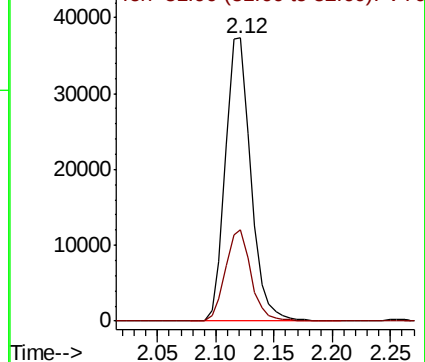
50 100

52 32.4 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 19.840 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY002749.D

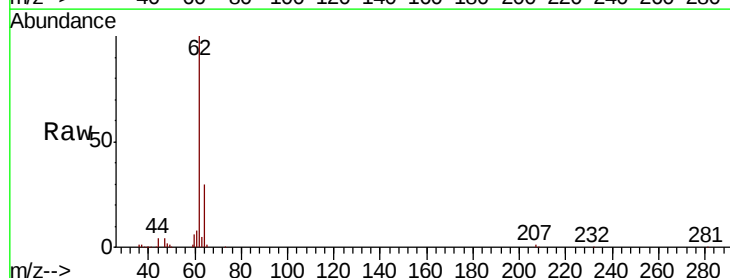
Acq: 22 May 2020 11:09

Tgt Ion: 62 Resp: 61071

Ion Ratio Lower Upper

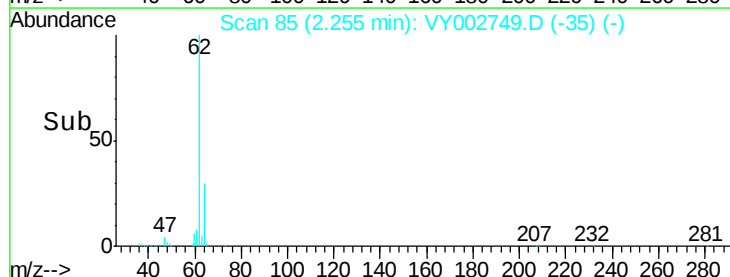
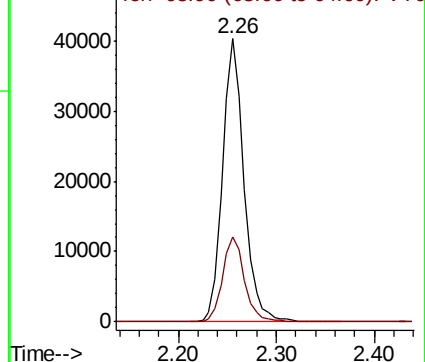
62 100

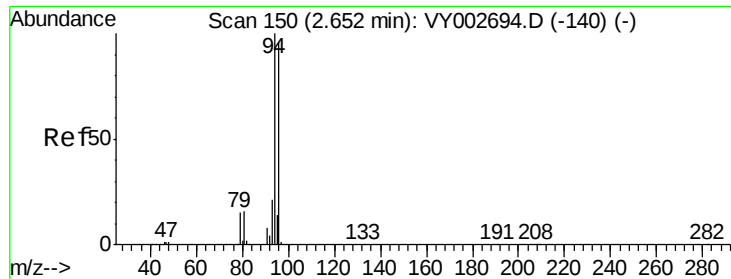
64 30.2 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 19.800 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

Instrument :

MSVOA_Y

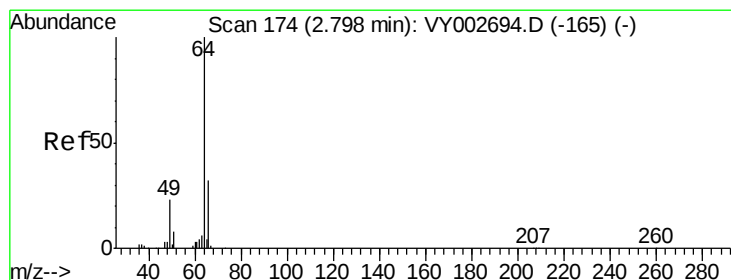
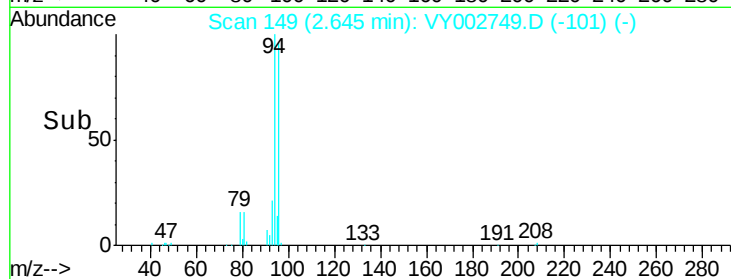
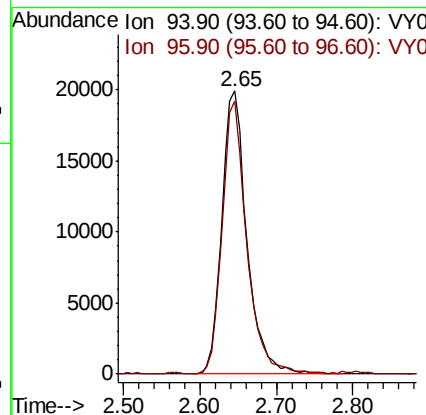
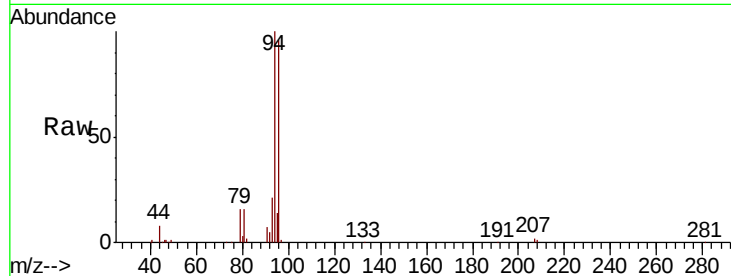
ClientSampleId :

Tot Ion: 94 Resp: 45172

Ion Ratio Lower Upper

94 100

96 96.3 76.8 115.2



#6

Chloroethane

Concen: 19.944 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY002749.D

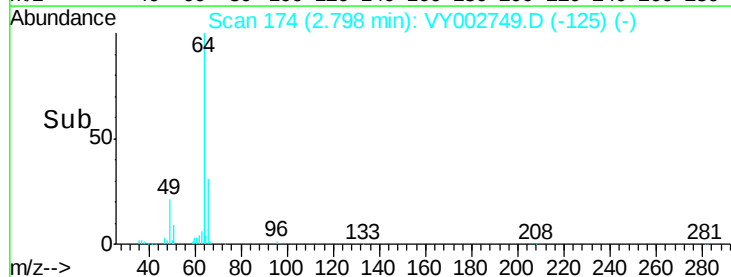
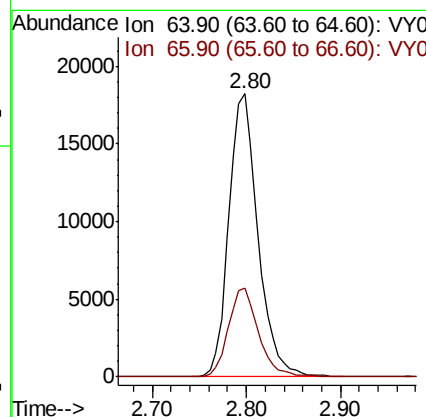
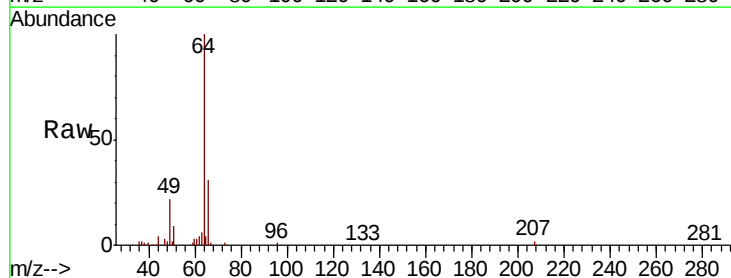
Acq: 22 May 2020 11:09

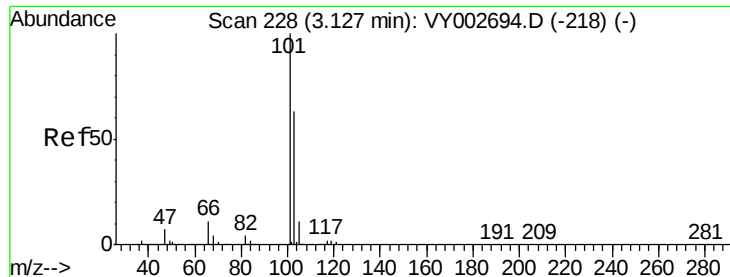
Tgt Ion: 64 Resp: 39258

Ion Ratio Lower Upper

64 100

66 31.4 25.9 38.9



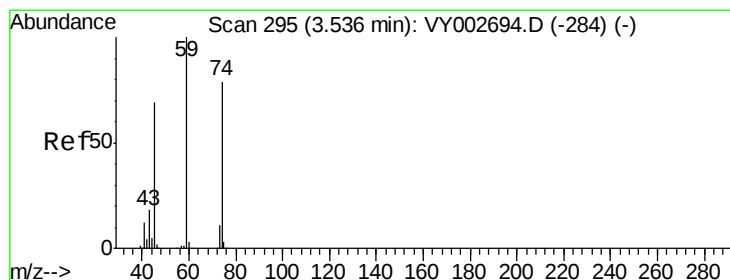
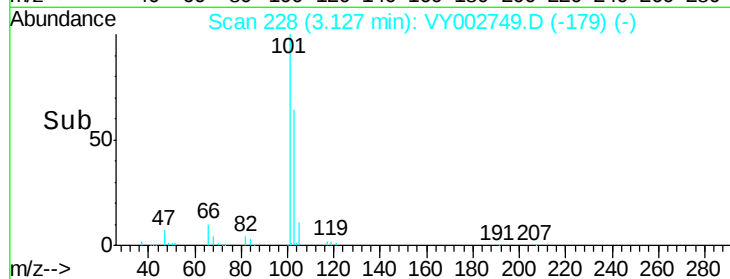
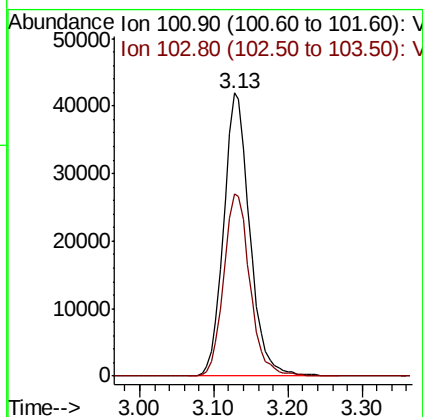
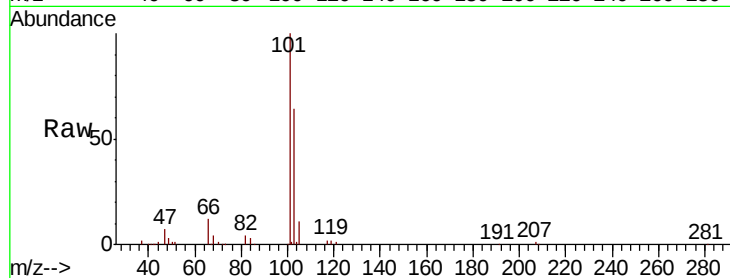


#7

Trichlorofluoromethane
Concen: 19.745 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.00 min
Lab File: VY002749.D
Acq: 22 May 2020 11:09

Instrument :
MSVOA_Y
ClientSampleId :

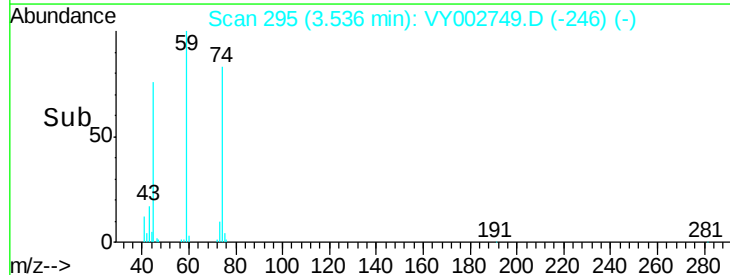
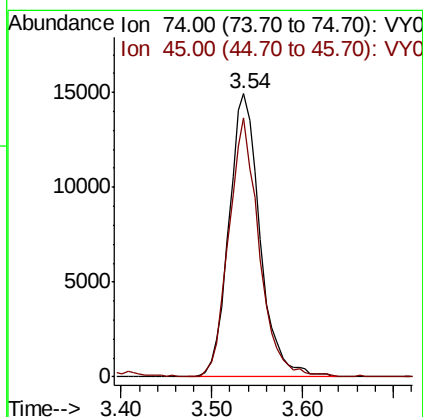
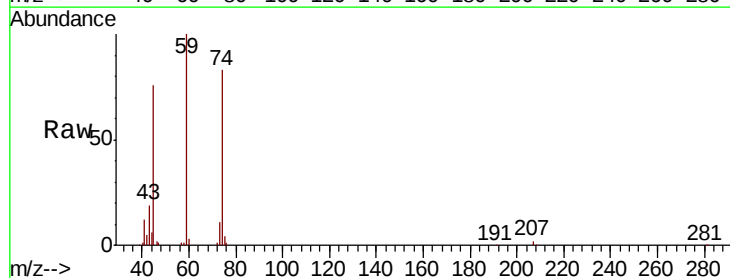
Tot Ion:101 Resp: 102427
Ion Ratio Lower Upper
101 100
103 64.5 50.6 75.8

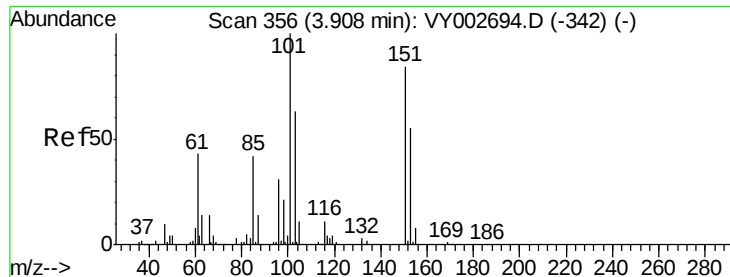


#8

Diethyl Ether
Concen: 20.120 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY002749.D
Acq: 22 May 2020 11:09

Tgt Ion: 74 Resp: 35505
Ion Ratio Lower Upper
74 100
45 89.4 43.8 131.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.373 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

Instrument :

MSVOA_Y

ClientSampleId :

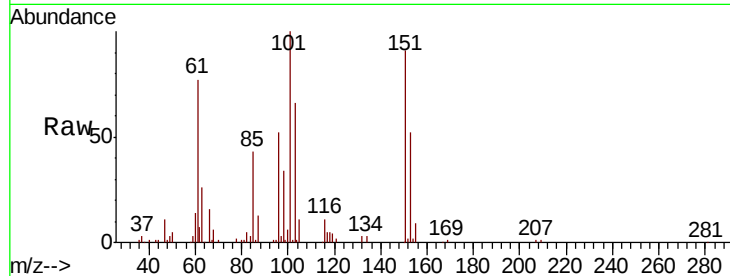
Tot Ion:101 Resp: 60921

Ion Ratio Lower Upper

101 100

85 42.3 33.5 50.3

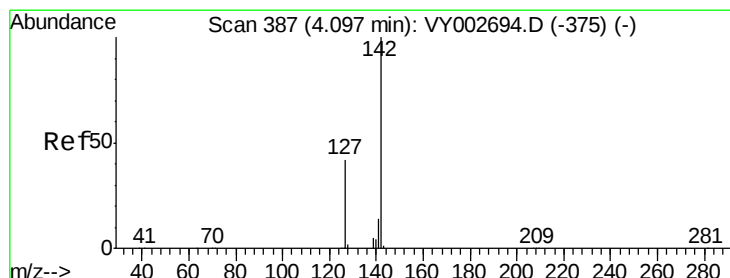
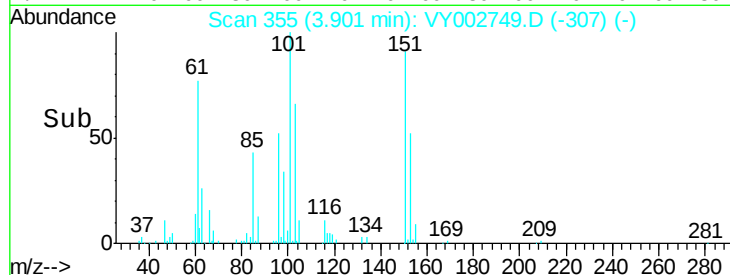
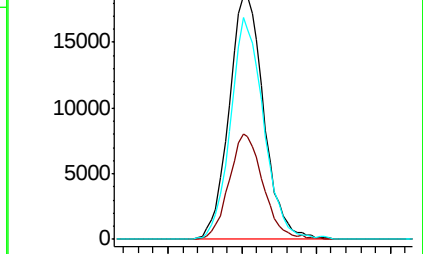
151 86.6 69.6 104.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.917 ug/l

RT: 4.10 min Scan# 387

Delta R.T. -0.00 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

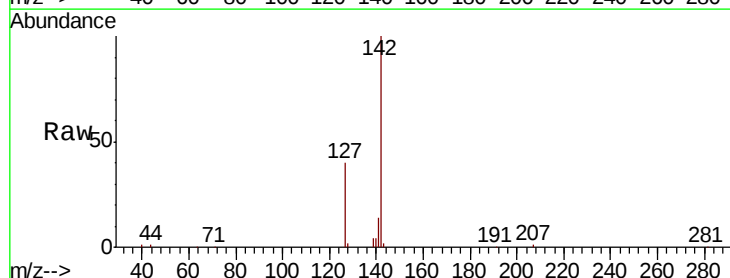
Tgt Ion:142 Resp: 81878

Ion Ratio Lower Upper

142 100

127 40.7 32.8 49.2

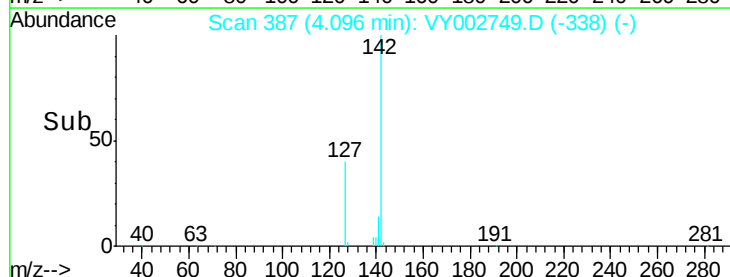
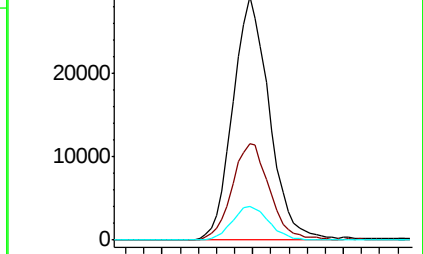
141 14.0 11.3 16.9

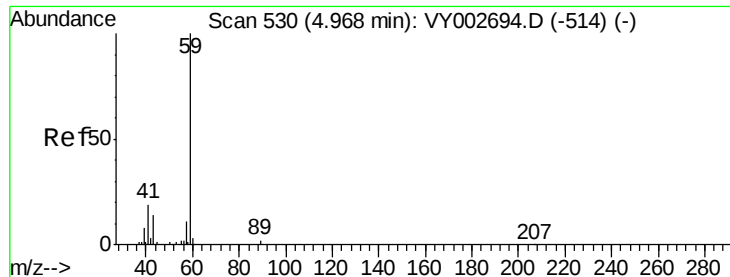


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



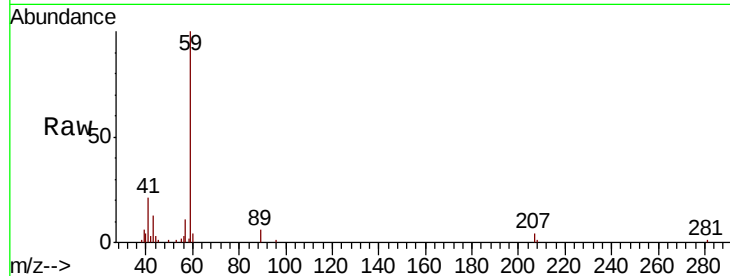


#11

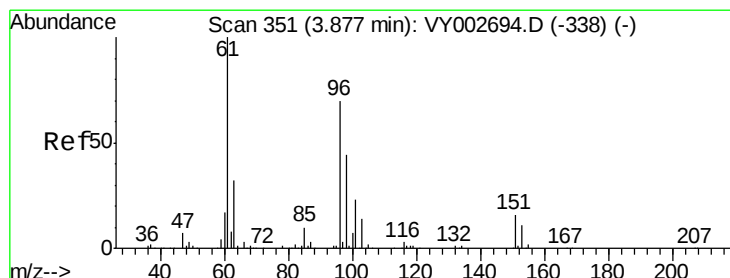
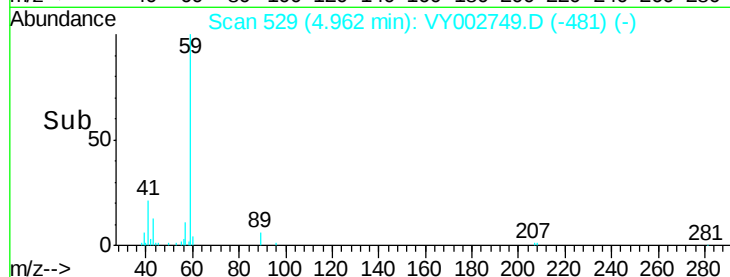
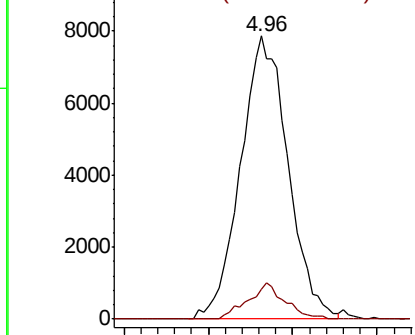
Tert butyl alcohol
 Concen: 105.645 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VY002749.D
 Acq: 22 May 2020 11:09

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 59 Resp: 30209
 Ion Ratio Lower Upper
 59 100
 57 9.9 7.7 11.5



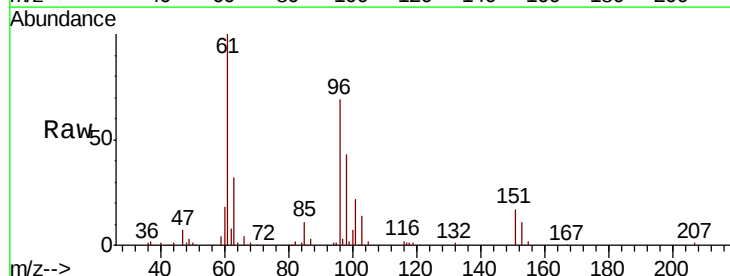
Abundance Ion 59.00 (58.70 to 59.70): VY0
 Ion 57.00 (56.70 to 57.70): VY0



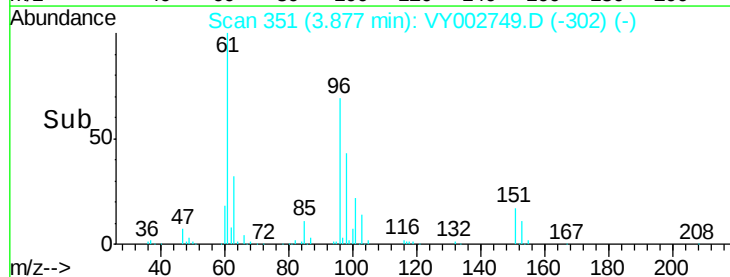
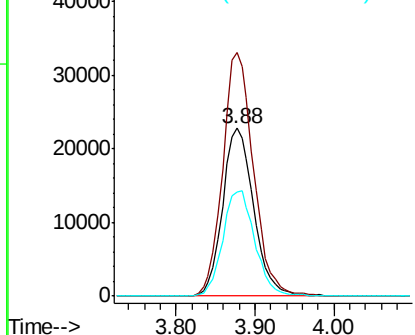
#12

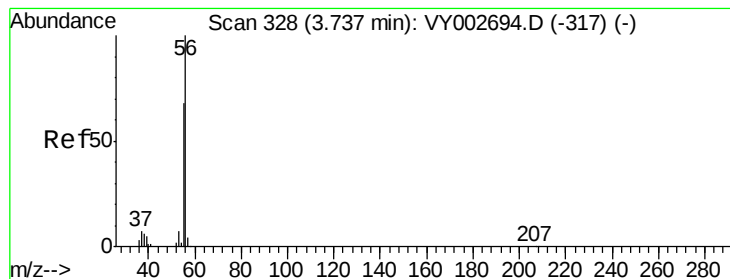
1,1-Dichloroethene
 Concen: 19.780 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VY002749.D
 Acq: 22 May 2020 11:09

Tgt Ion: 96 Resp: 62452
 Ion Ratio Lower Upper
 96 100
 61 145.2 113.8 170.8
 98 62.3 50.4 75.6



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





#13

Acrolein

Concen: 88.525 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

Instrument :

MSVOA_Y

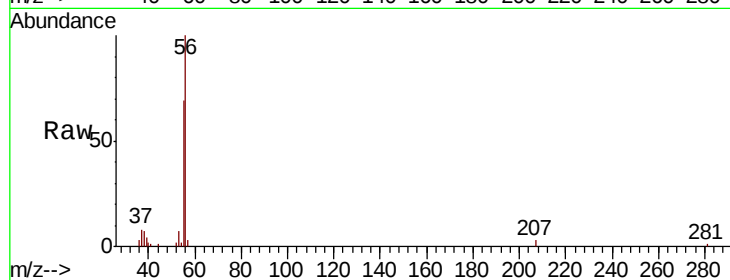
ClientSampleId :

Tot Ion: 56 Resp: 29690

Ion Ratio Lower Upper

56 100

55 70.6 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

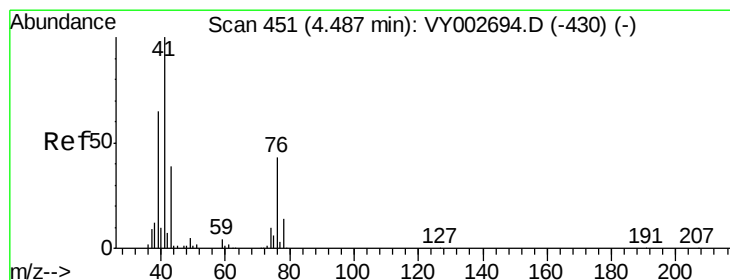
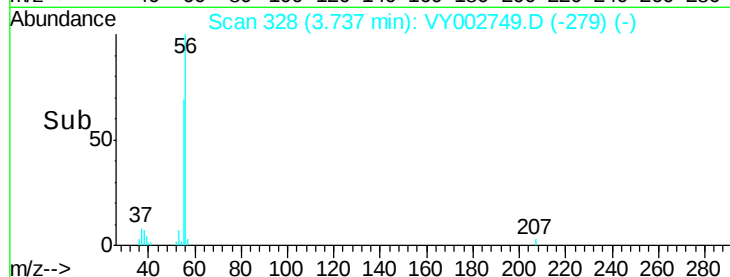
3.74

10000

5000

0

Time--> 3.60 3.70 3.80 3.90



#14

Allyl chloride

Concen: 19.821 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

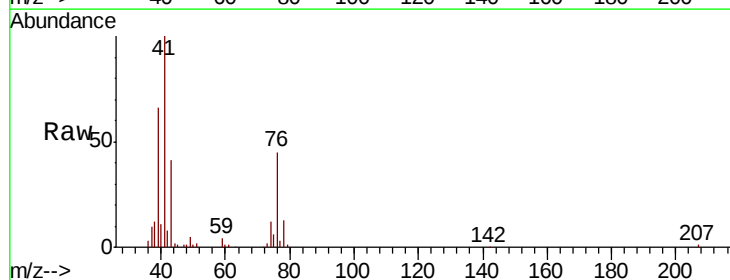
Tgt Ion: 41 Resp: 89845

Ion Ratio Lower Upper

41 100

39 62.1 50.3 75.5

76 41.9 33.2 49.8



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0

4.49

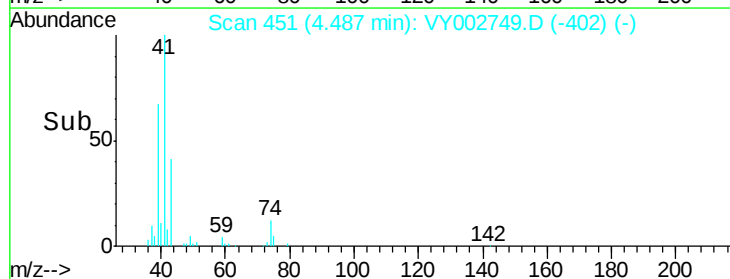
30000

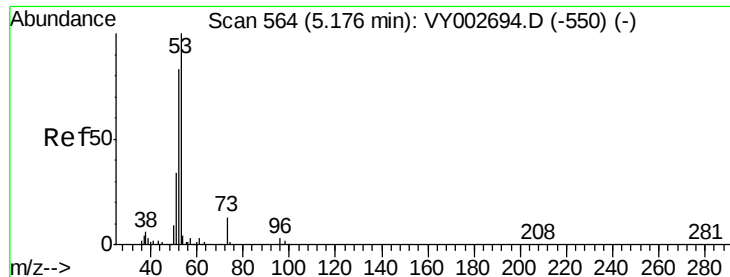
20000

10000

0

Time--> 4.30 4.40 4.50 4.60 4.70





#15

Acrylonitrile

Concen: 105.128 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

Instrument :
MSVOA_Y
ClientSampleId :

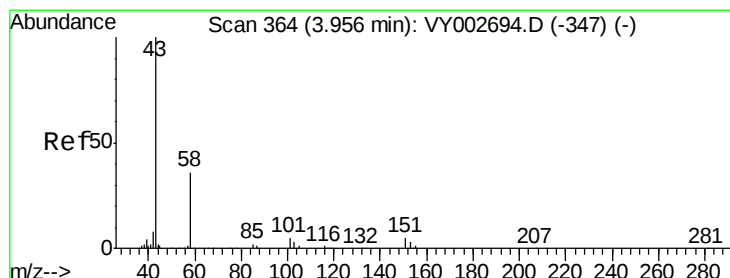
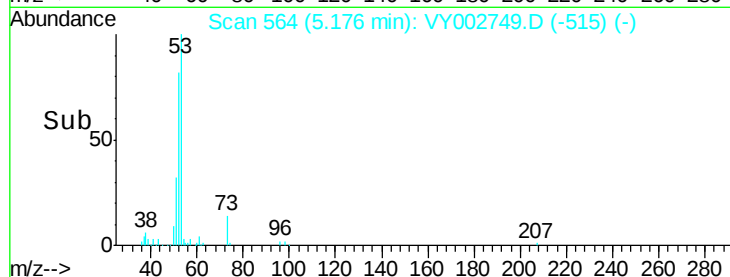
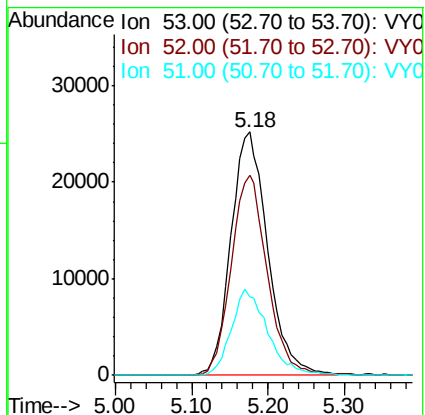
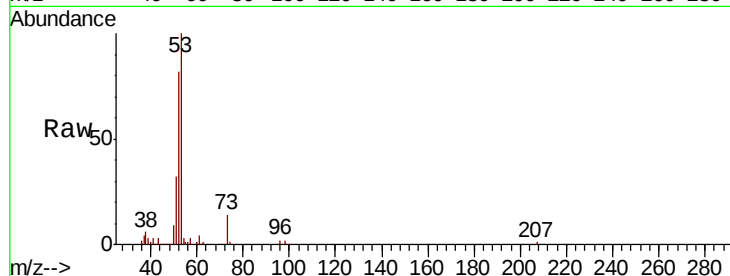
Tot Ion: 53 Resp: 84002

Ion Ratio Lower Upper

53 100

52 80.1 65.0 97.6

51 35.0 27.9 41.9



#16

Acetone

Concen: 101.478 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY002749.D

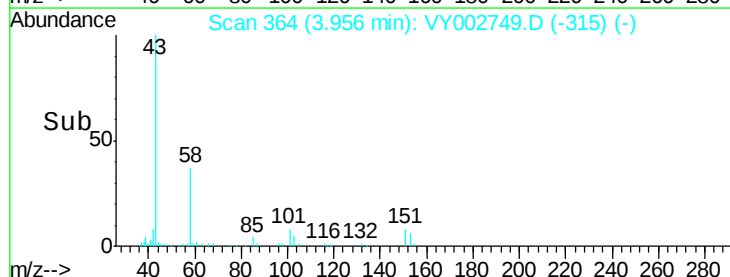
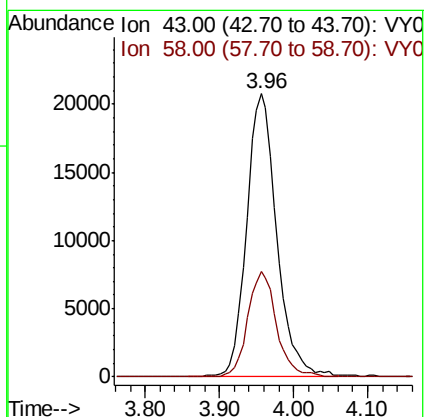
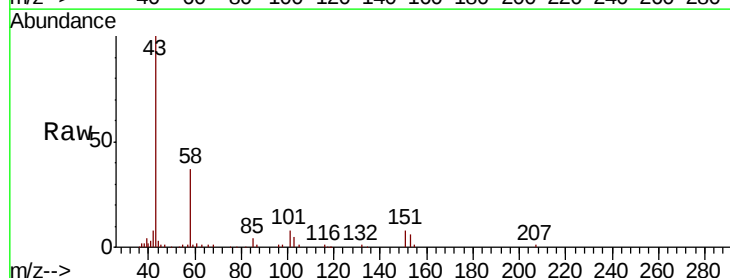
Acq: 22 May 2020 11:09

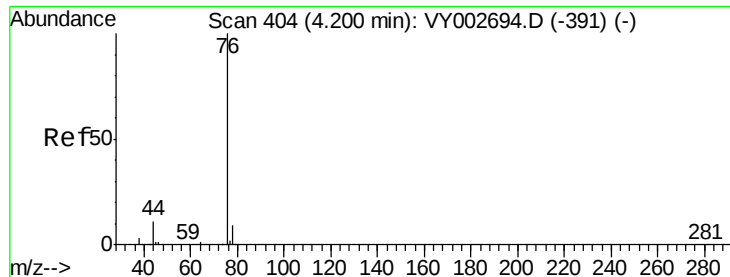
Tgt Ion: 43 Resp: 58901

Ion Ratio Lower Upper

43 100

58 37.0 28.6 43.0

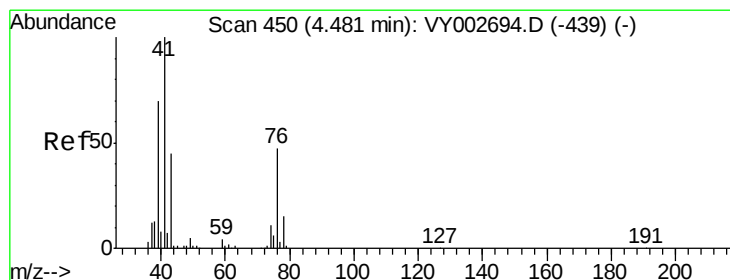
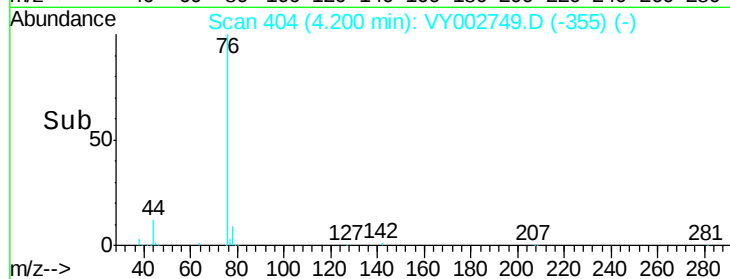
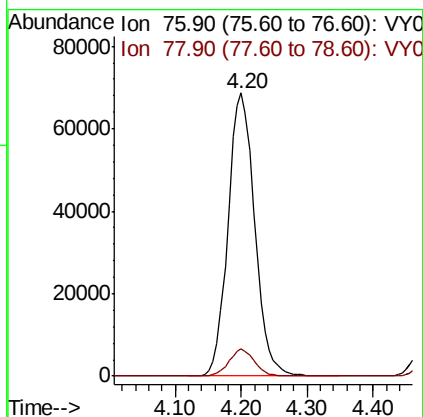
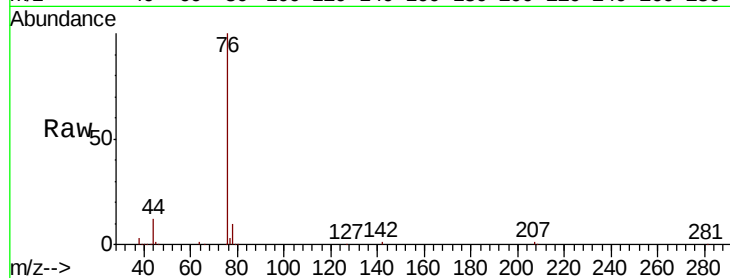




#17
Carbon Disulfide
Concen: 19.374 ug/l
RT: 4.20 min Scan# 404
Delta R.T. -0.00 min
Lab File: VY002749.D
Acq: 22 May 2020 11:09

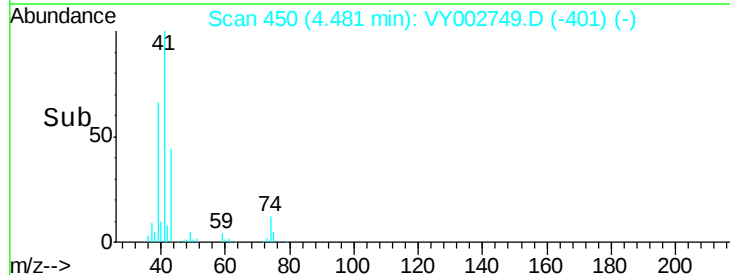
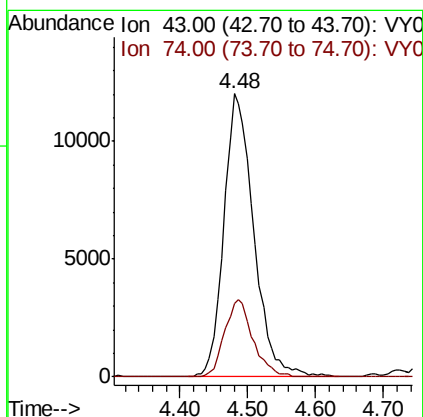
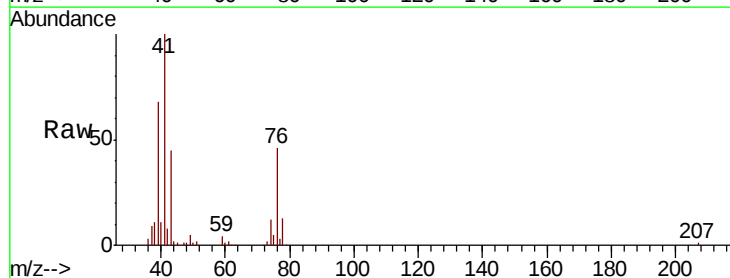
Instrument :
MSVOA_Y
ClientSampleId :

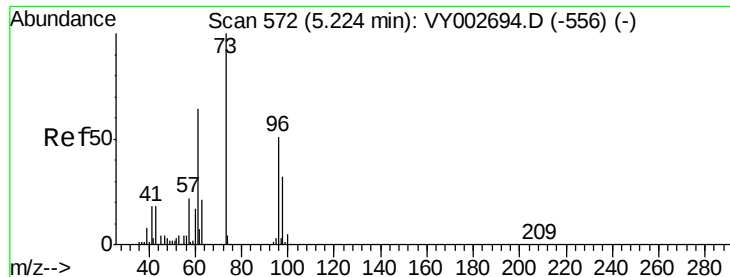
Tot Ion: 76 Resp: 191873
Ion Ratio Lower Upper
76 100
78 9.6 7.1 10.7



#18
Methyl Acetate
Concen: 22.045 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.00 min
Lab File: VY002749.D
Acq: 22 May 2020 11:09

Tgt Ion: 43 Resp: 36483
Ion Ratio Lower Upper
43 100
74 26.0 21.1 31.7

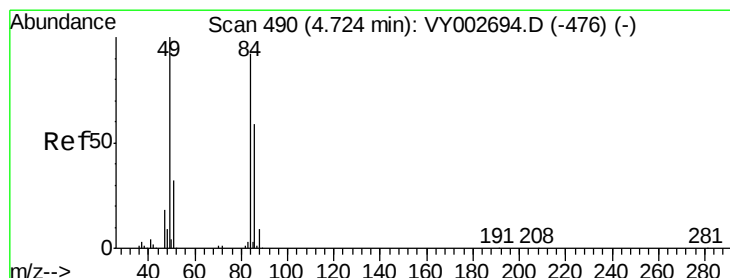
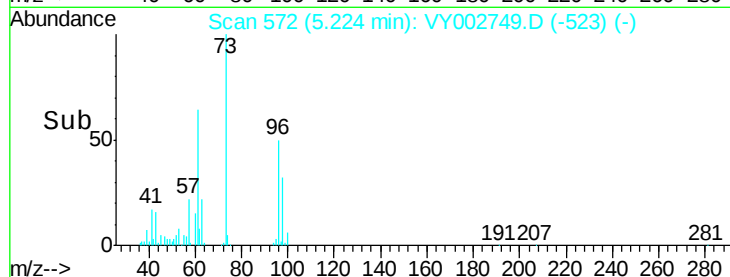
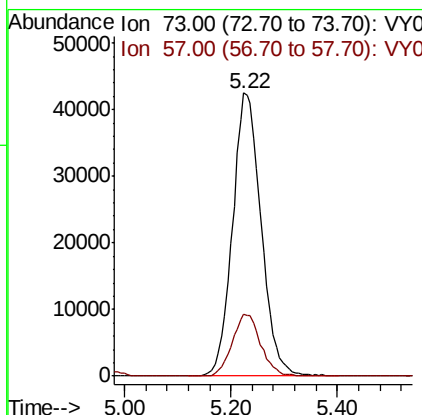
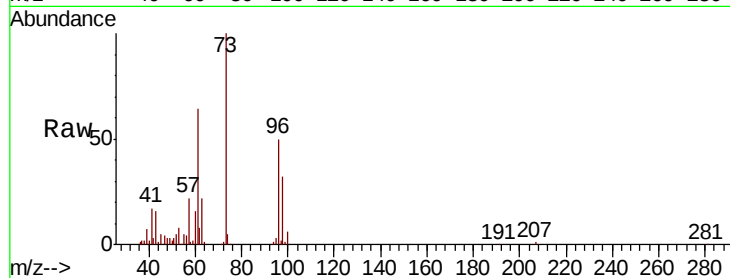




#19
Methvl tert-butvl Ether
Concen: 20.242 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.00 min
Lab File: VY002749.D
Acq: 22 May 2020 11:09

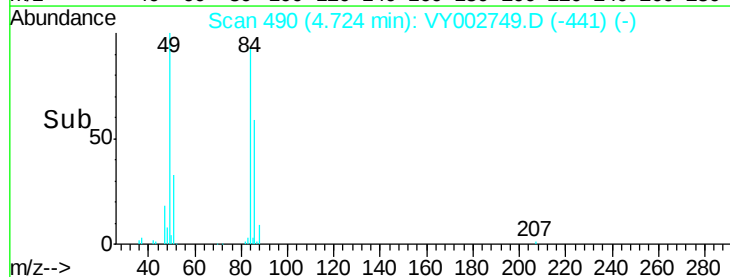
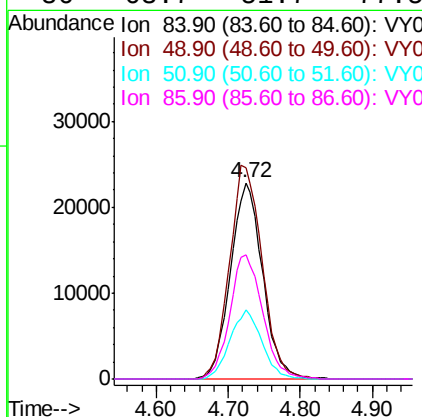
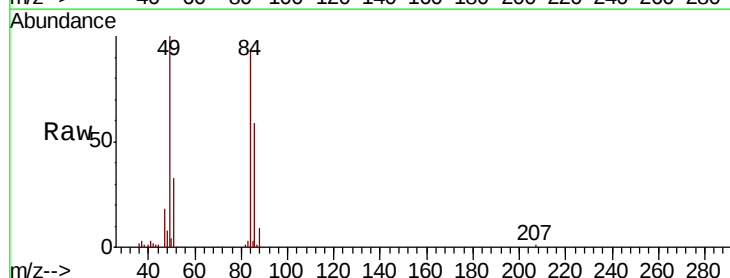
Instrument :
MSVOA_Y
ClientSampleId :

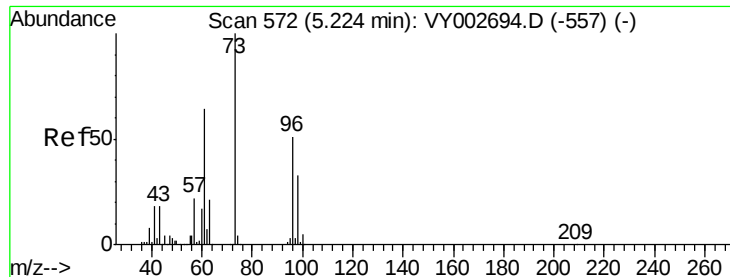
Tot Ion: 73 Resp: 158527
Ion Ratio Lower Upper
73 100
57 22.0 17.3 25.9



#20
Methylene Chloride
Concen: 20.144 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY002749.D
Acq: 22 May 2020 11:09

Tgt Ion: 84 Resp: 70678
Ion Ratio Lower Upper
84 100
49 107.9 87.4 131.0
51 35.4 27.9 41.9
86 63.7 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 19.512 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

Instrument :
MSVOA_Y
ClientSampleId :

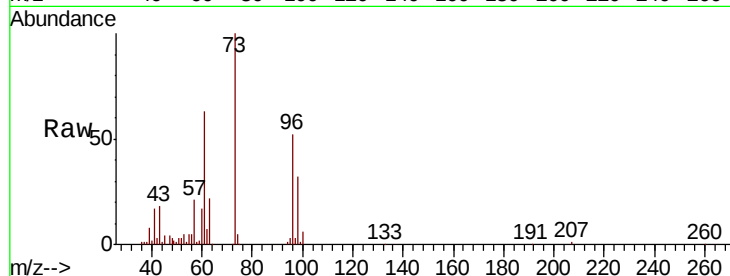
Tot Ion: 96 Resp: 68503

Ion Ratio Lower Upper

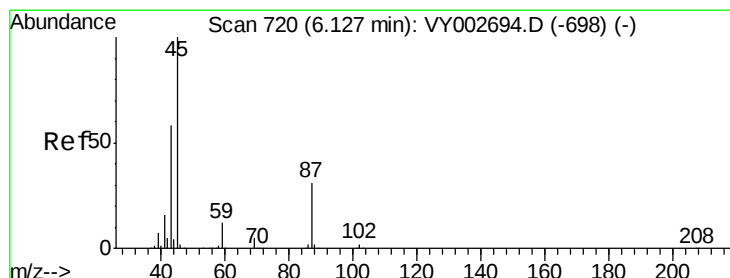
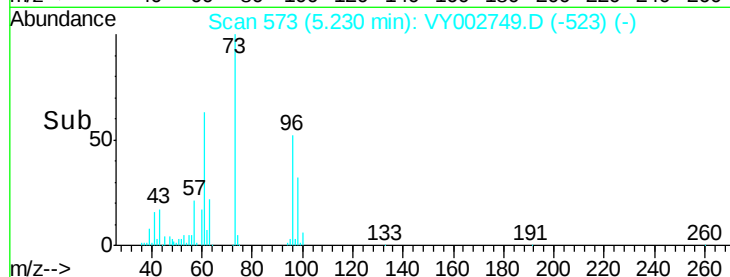
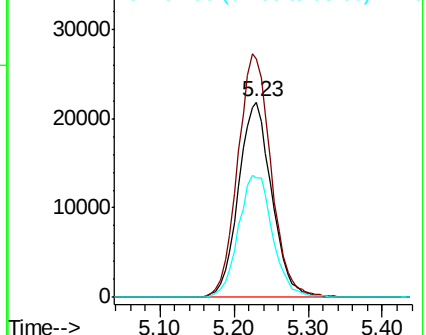
96 100

61 122.3 99.6 149.4

98 61.5 50.6 76.0



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



#22

Diisopropyl ether

Concen: 20.639 ug/l

RT: 6.12 min Scan# 719

Delta R.T. -0.01 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

Tgt Ion: 45 Resp: 185608

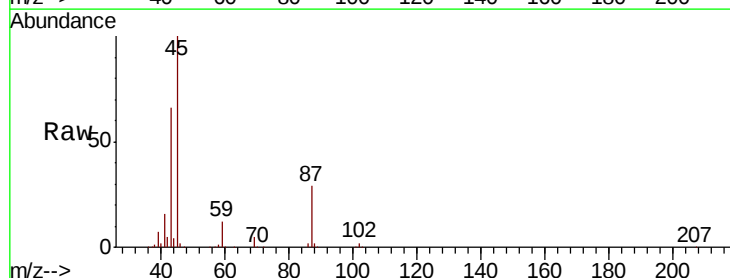
Ion Ratio Lower Upper

45 100

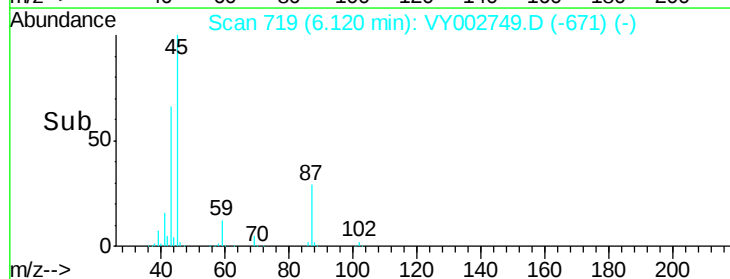
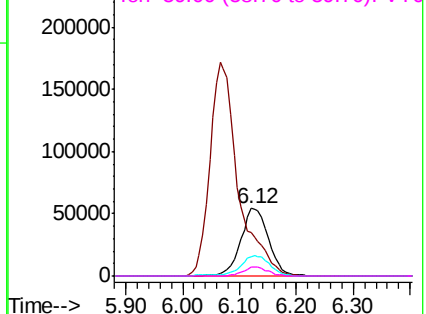
43 65.2 46.1 69.1

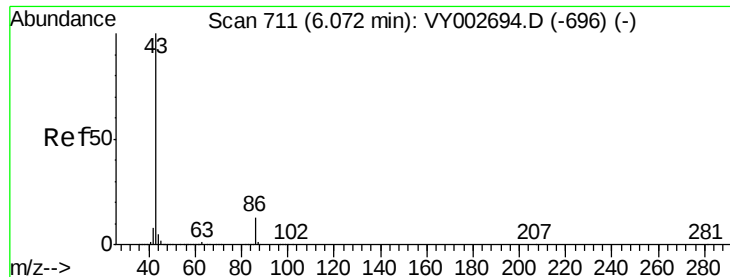
87 29.5 24.9 37.3

59 12.5 9.8 14.8



Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 102.642 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

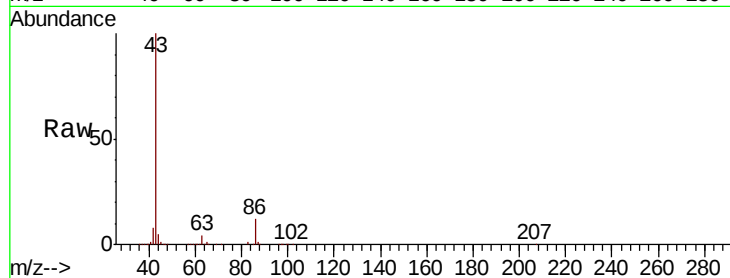
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 591065

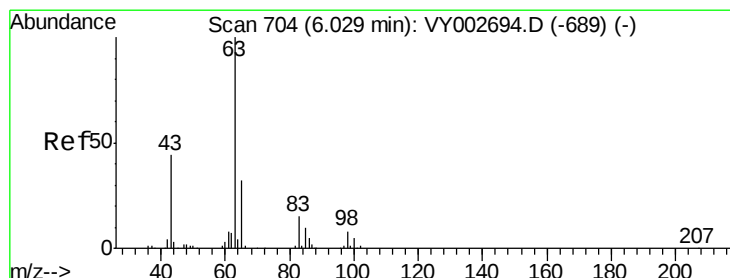
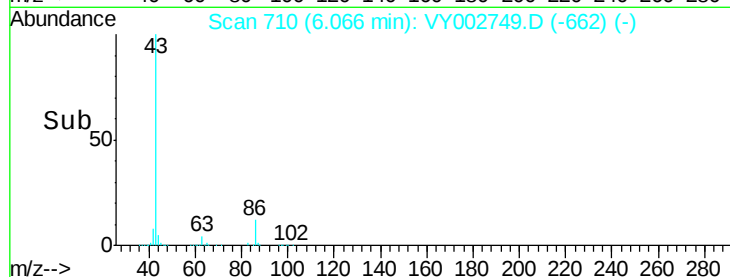
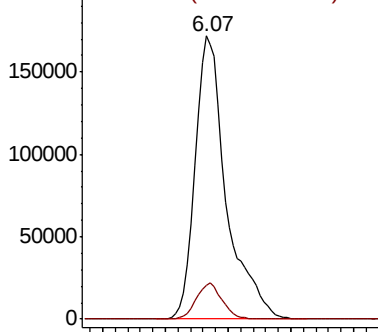
Ion Ratio Lower Upper

43 100

86 12.1 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 20.103 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

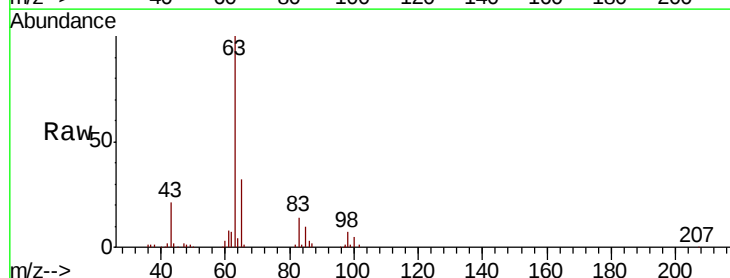
Tgt Ion: 63 Resp: 108032

Ion Ratio Lower Upper

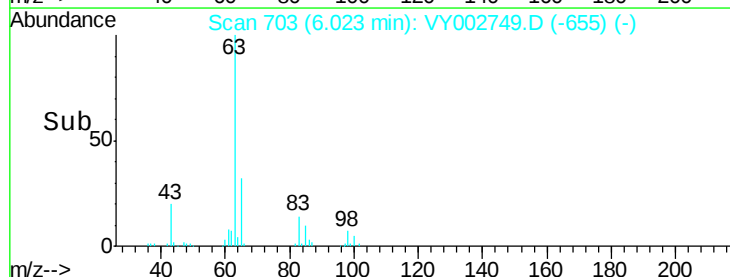
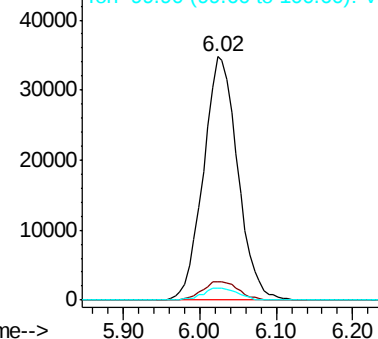
63 100

98 7.4 4.0 11.9

100 4.7 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VY0
Ion 97.90 (97.60 to 98.60): VY0
Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 104.697 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

Instrument :

MSVOA_Y

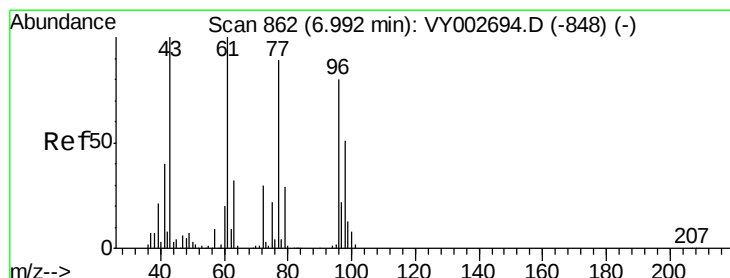
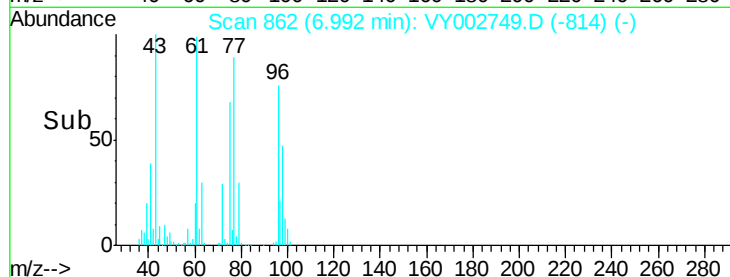
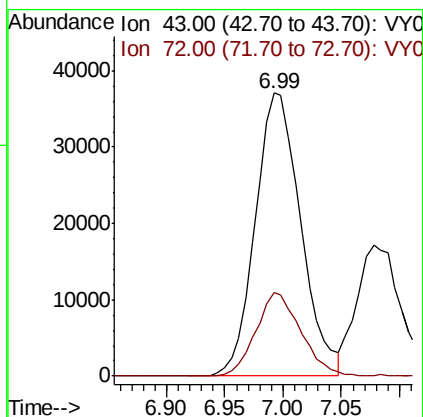
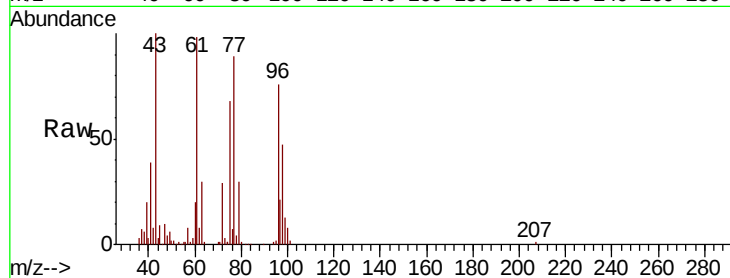
ClientSampled :

Tot Ion: 43 Resp: 100546

Ion Ratio Lower Upper

43 100

72 29.4 24.1 36.1



#26

2,2-Dichloropropane

Concen: 20.442 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY002749.D

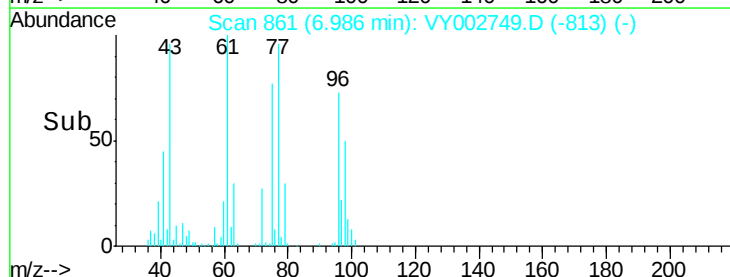
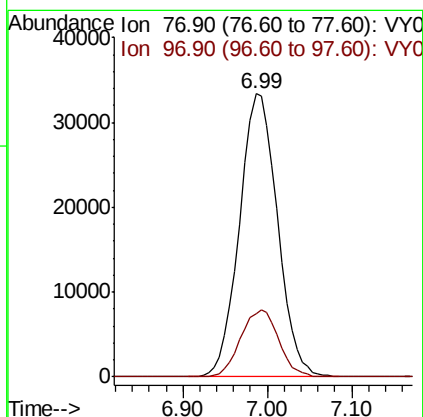
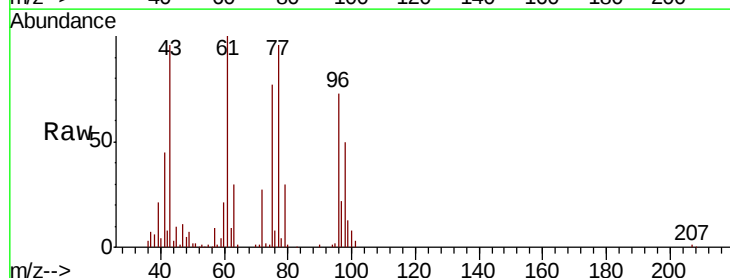
Acq: 22 May 2020 11:09

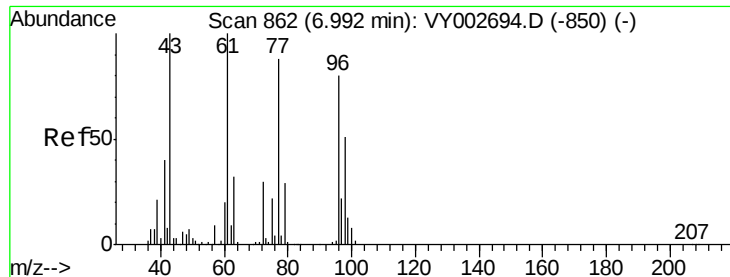
Tgt Ion: 77 Resp: 102210

Ion Ratio Lower Upper

77 100

97 23.8 12.3 36.9



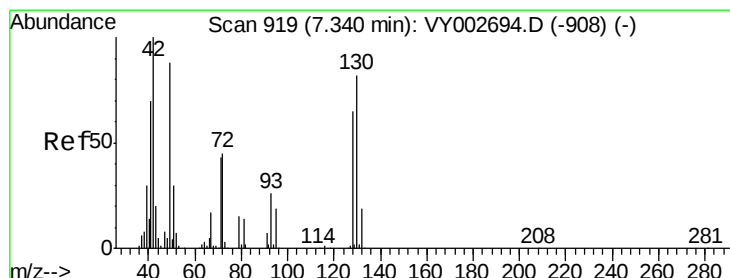
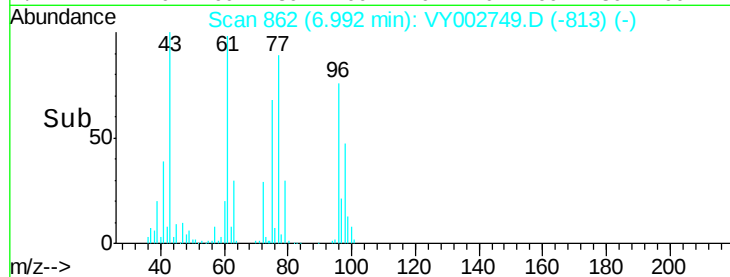
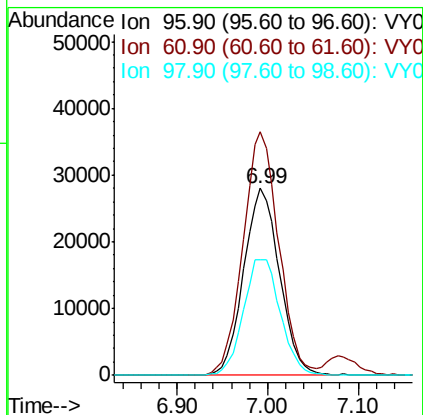
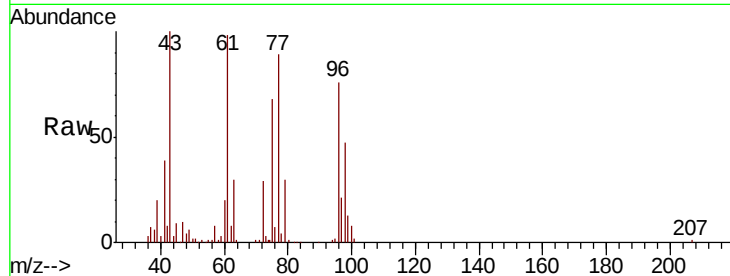


#27

cis-1,2-Dichloroethene
Concen: 20.231 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY002749.D
Acq: 22 May 2020 11:09

Instrument :
MSVOA_Y
ClientSampled :

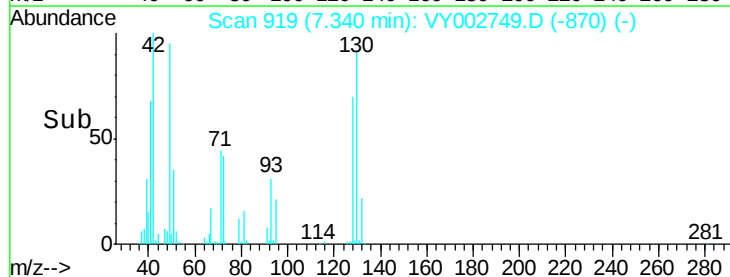
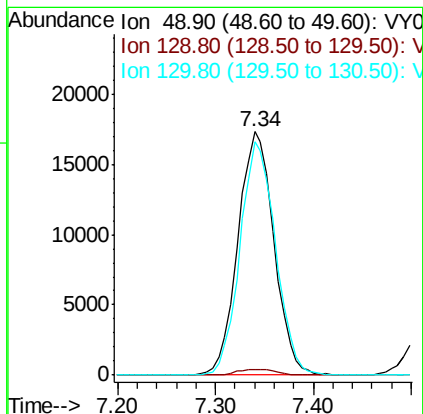
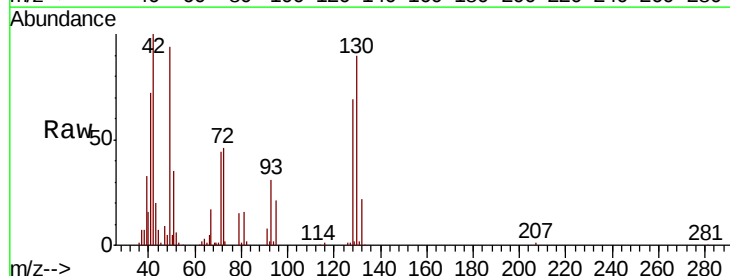
Tot Ion	96	Resp	76749
Ion	Ratio	Lower	Upper
96	100		
61	129.7	0.0	258.0
98	64.2	0.0	128.4

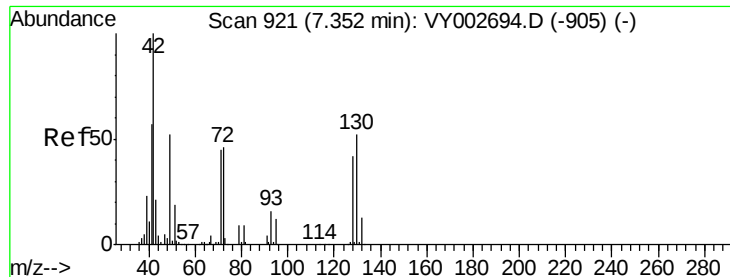


#28

Bromochloromethane
Concen: 20.814 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.00 min
Lab File: VY002749.D
Acq: 22 May 2020 11:09

Tgt Ion	49	Resp	44248
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.6
130	94.3	75.3	112.9

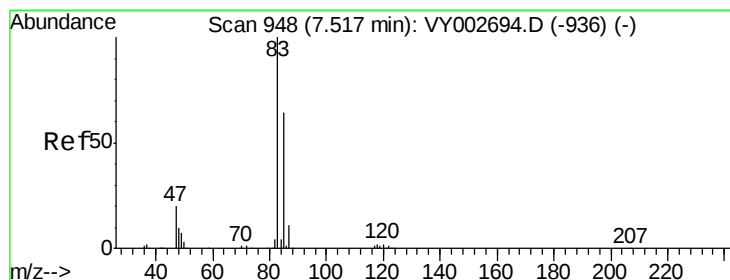
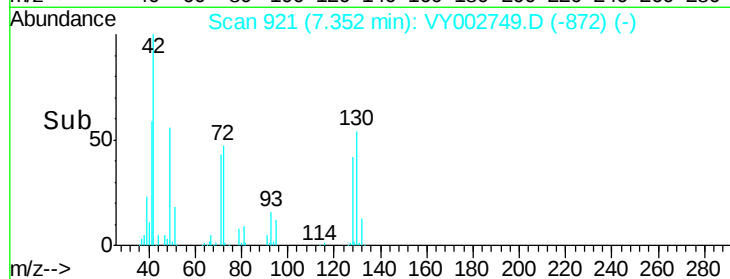
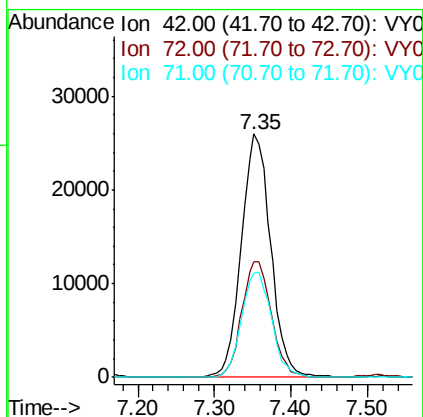
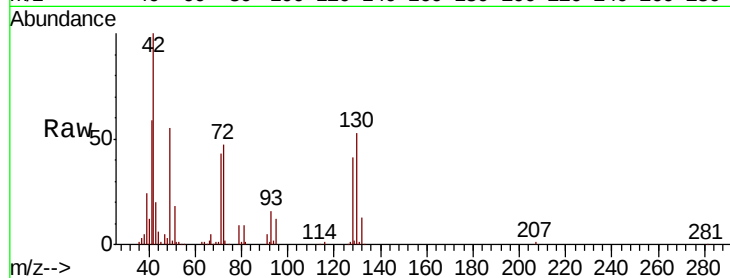




#29
Tetrahydrofuran
Concen: 106.395 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.00 min
Lab File: VY002749.D
Acq: 22 May 2020 11:09

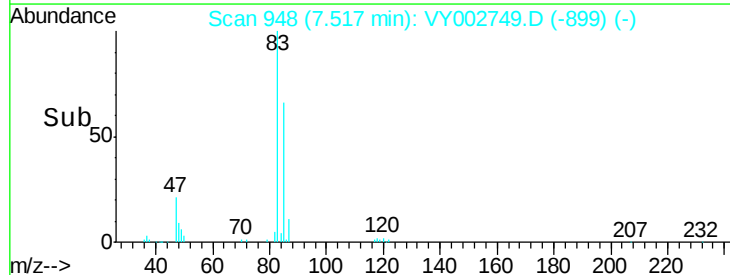
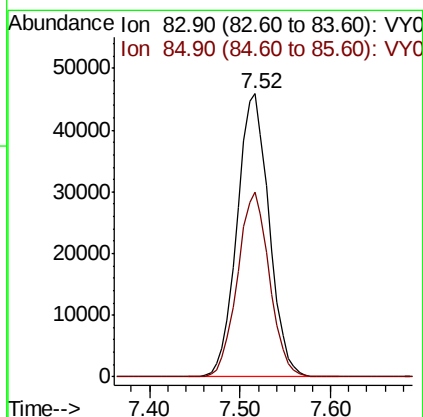
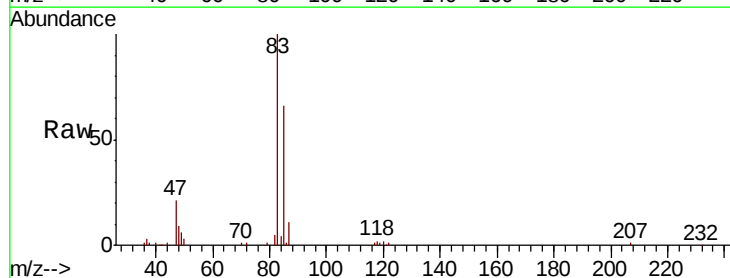
Instrument :
MSVOA_Y
ClientSampleId :

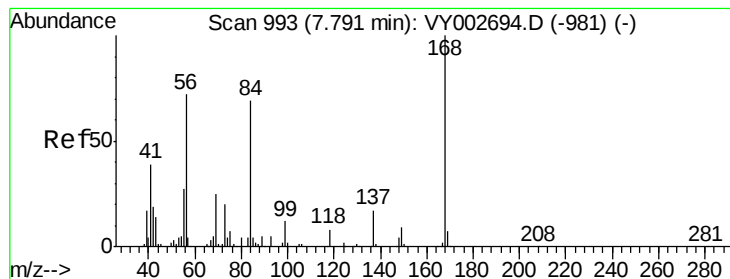
Tot Ion: 42 Resp: 69520
Ion Ratio Lower Upper
42 100
72 47.7 38.2 57.2
71 44.2 35.8 53.8



#30
Chloroform
Concen: 20.113 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY002749.D
Acq: 22 May 2020 11:09

Tgt Ion: 83 Resp: 112179
Ion Ratio Lower Upper
83 100
85 65.5 51.5 77.3





#31

Cyclohexane

Concen: 19.630 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

Instrument :
MSVOA_Y
ClientSampleId :

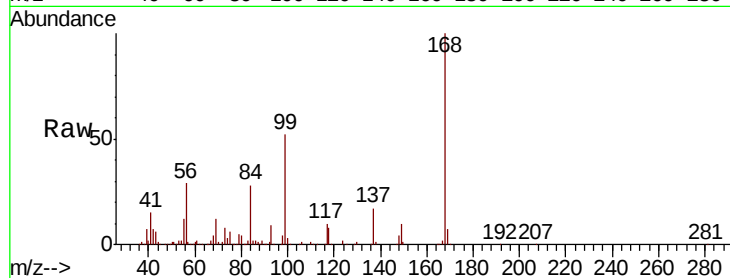
Tot Ion: 56 Resp: 106992

Ion Ratio Lower Upper

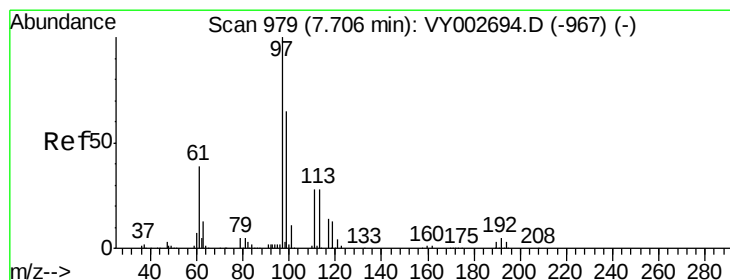
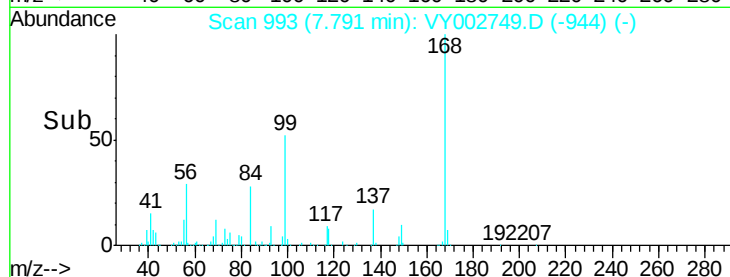
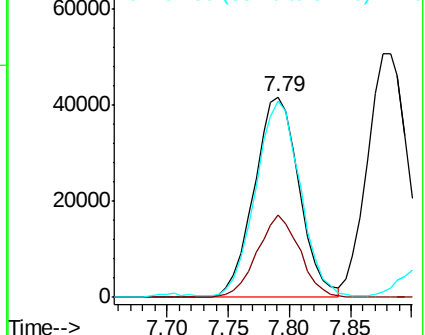
56 100

69 41.1 27.7 41.5

84 96.5 77.0 115.4



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



#32

1,1,1-Trichloroethane

Concen: 19.998 ug/l

RT: 7.71 min Scan# 979

Delta R.T. -0.00 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

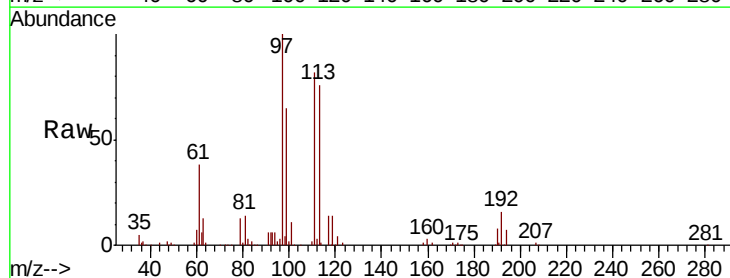
Tgt Ion: 97 Resp: 103060

Ion Ratio Lower Upper

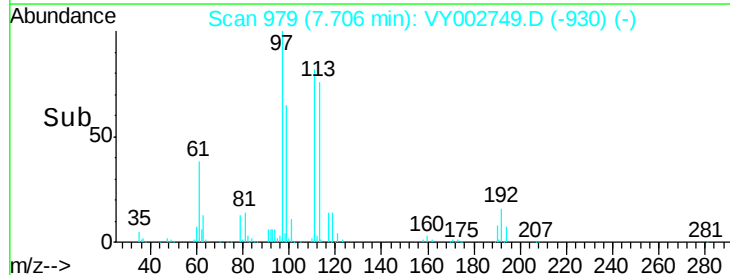
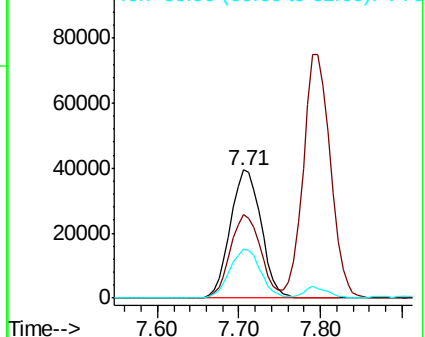
97 100

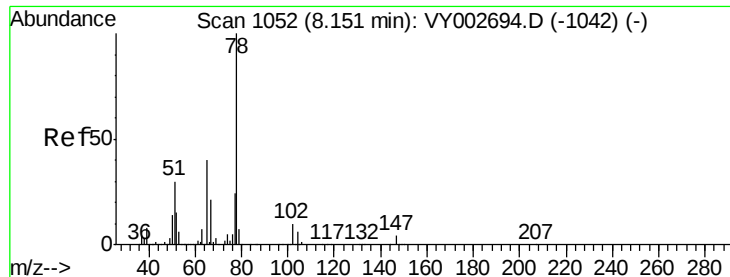
99 63.7 51.6 77.4

61 37.9 30.6 45.8



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

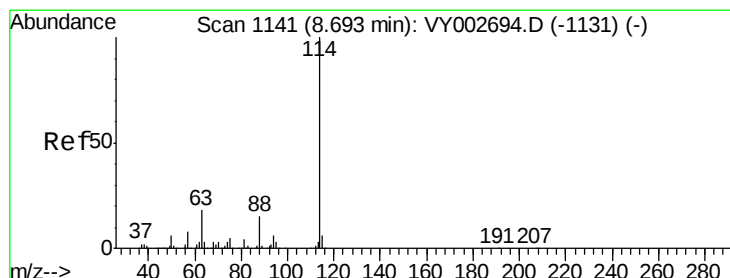
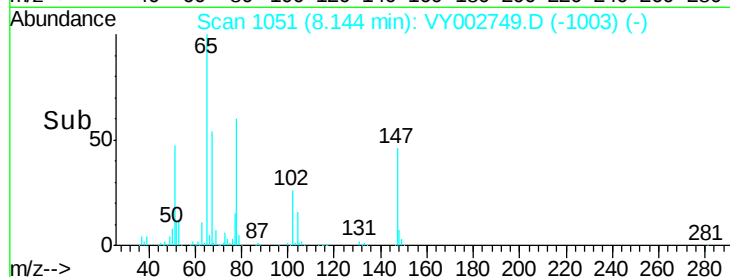
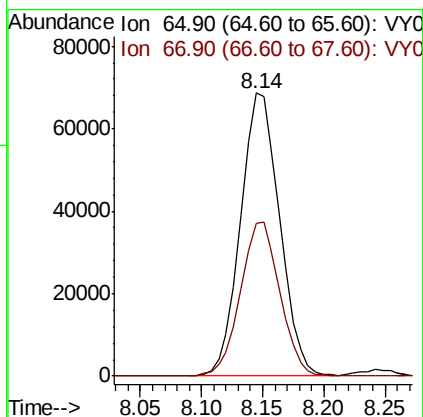
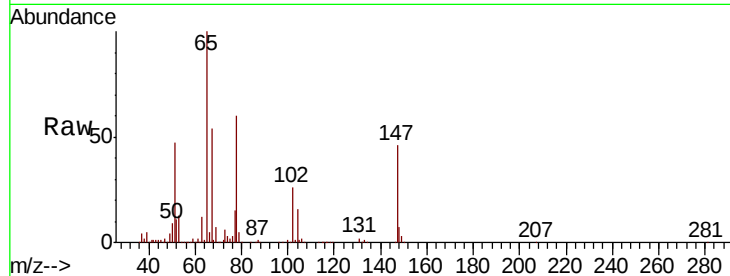




#33
 1,2-Dichloroethane-d4
 Concen: 54.273 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY002749.D
 Acq: 22 May 2020 11:09

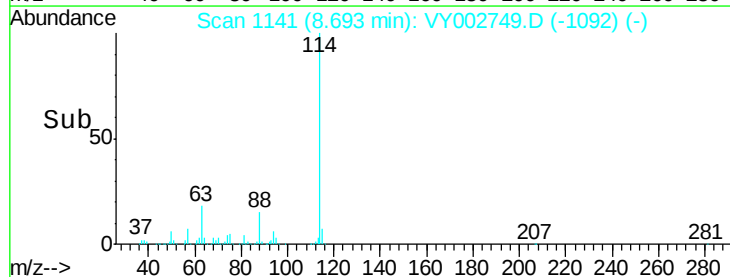
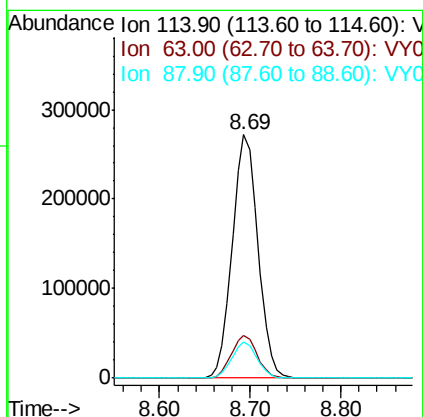
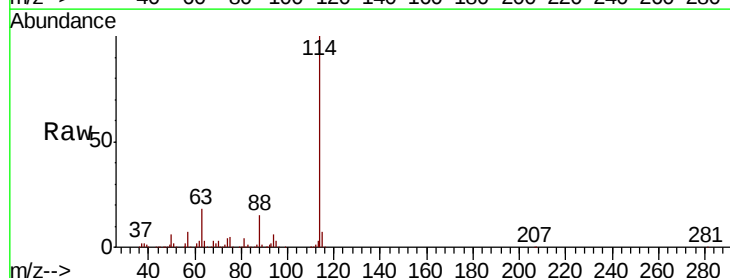
Instrument :
 MSVOA_Y
 ClientSampleId :

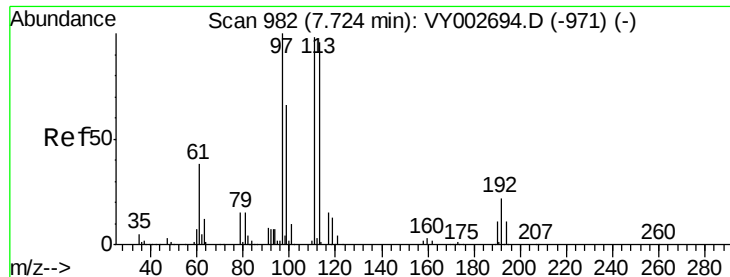
Tot Ion: 65 Resp: 152814
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY002749.D
 Acq: 22 May 2020 11:09

Tgt Ion: 114 Resp: 532175
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 35.4
 88 14.7 0.0 29.4

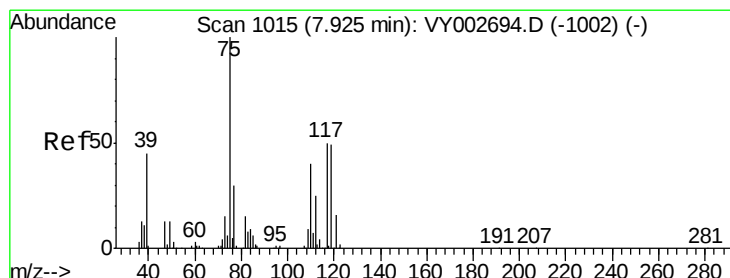
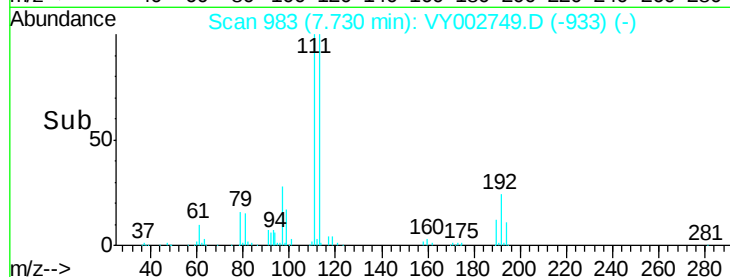
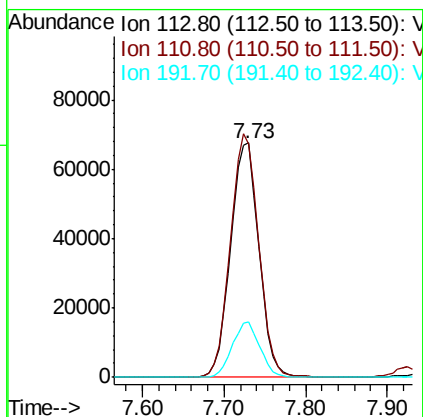
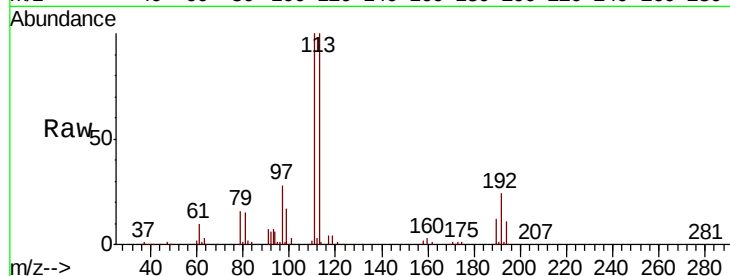




#35
 Dibromofluoromethane
 Concen: 55.104 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY002749.D
 Acq: 22 May 2020 11:09

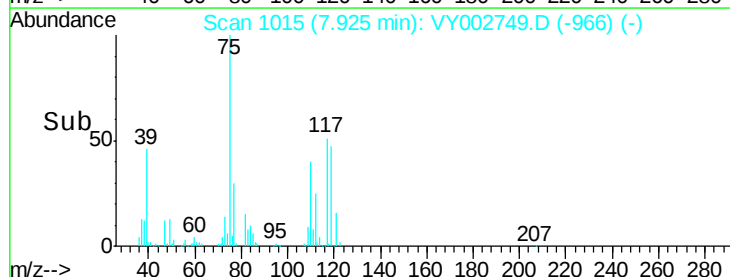
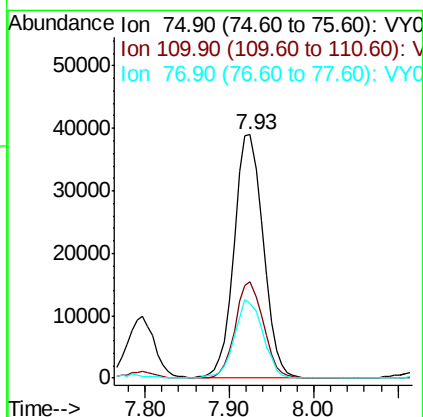
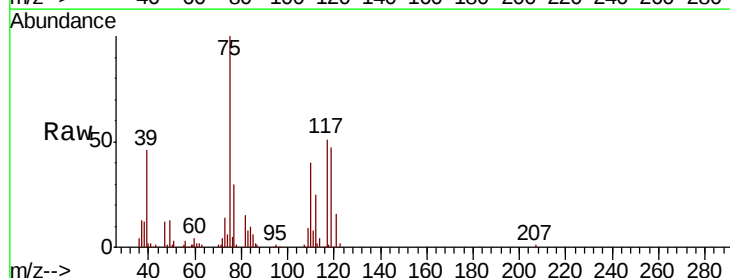
Instrument :
 MSVOA_Y
 ClientSampleId :

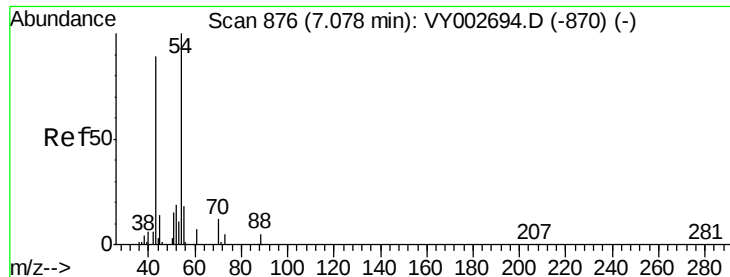
Tot Ion:113 Resp: 161838
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.9 122.9
 192 23.0 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 20.263 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VY002749.D
 Acq: 22 May 2020 11:09

Tgt Ion: 75 Resp: 91289
 Ion Ratio Lower Upper
 75 100
 110 38.2 19.4 58.4
 77 31.3 25.0 37.4

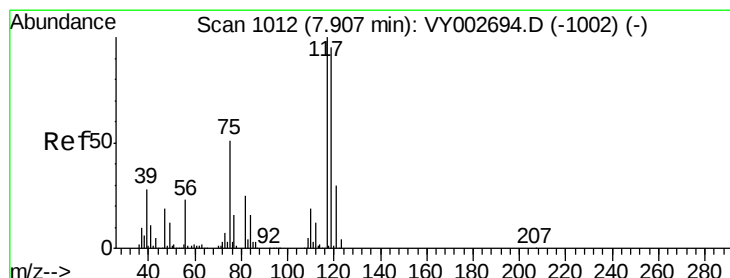
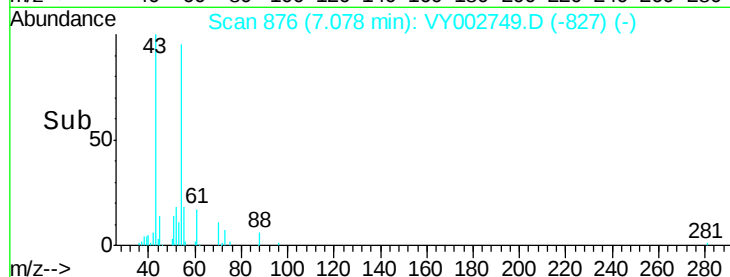
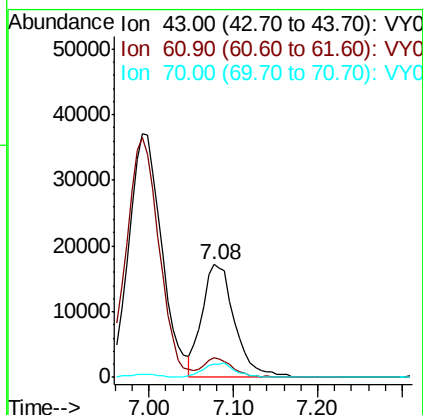
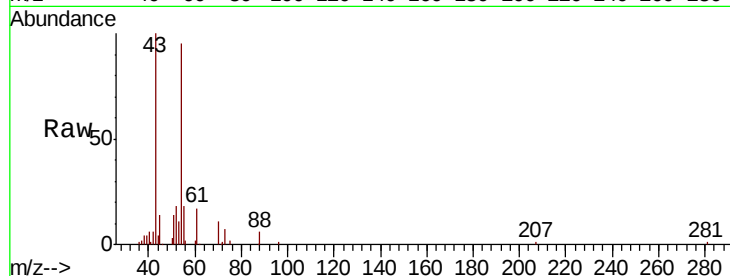




#37
Ethyl Acetate
Concen: 20.980 ug/l
RT: 7.08 min Scan# 876
Delta R.T. -0.00 min
Lab File: VY002749.D
Acq: 22 May 2020 11:09

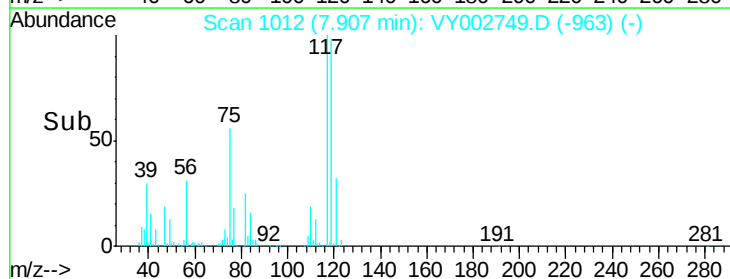
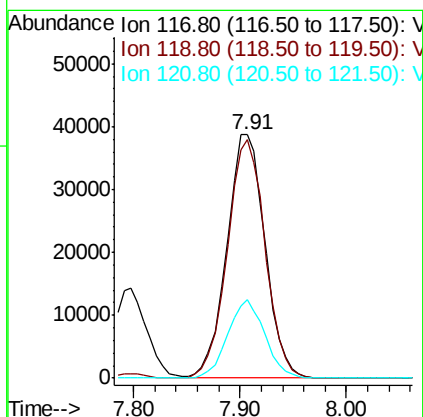
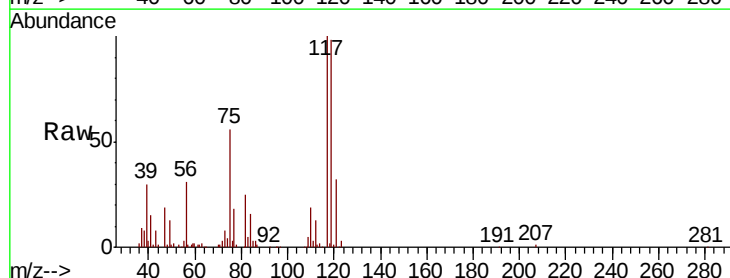
Instrument :
MSVOA_Y
ClientSampled :

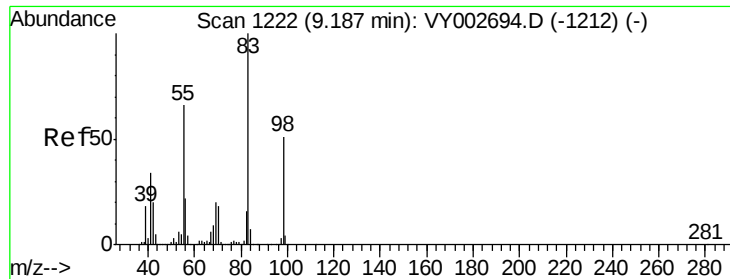
Tot Ion: 43 Resp: 46488
Ion Ratio Lower Upper
43 100
61 15.3 11.8 17.8
70 11.9 9.2 13.8



#38
Carbon Tetrachloride
Concen: 20.145 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY002749.D
Acq: 22 May 2020 11:09

Tgt Ion: 117 Resp: 97541
Ion Ratio Lower Upper
117 100
119 98.1 76.3 114.5
121 32.1 24.2 36.2

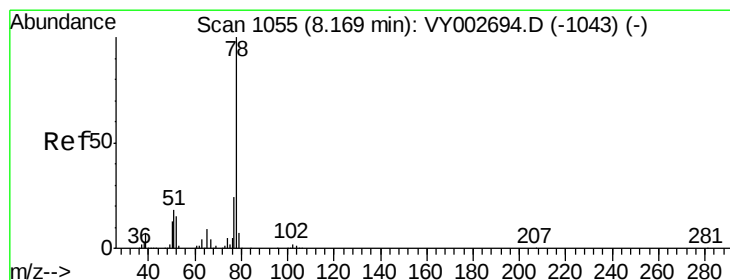
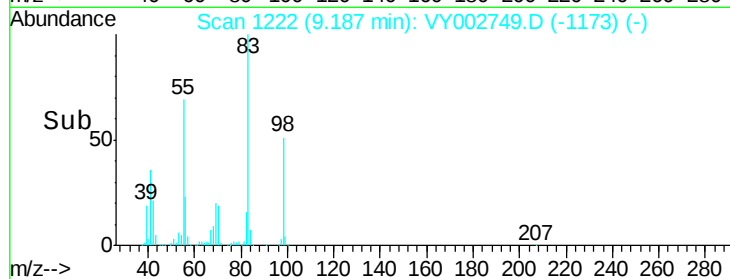
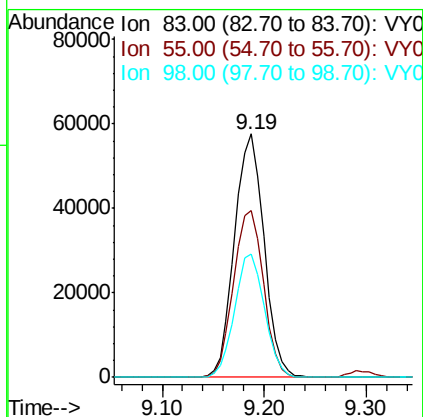
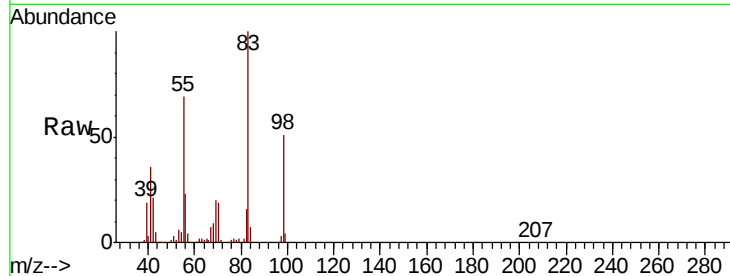




#39
Methvlcvclohexane
Concen: 19.088 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY002749.D
Acq: 22 May 2020 11:09

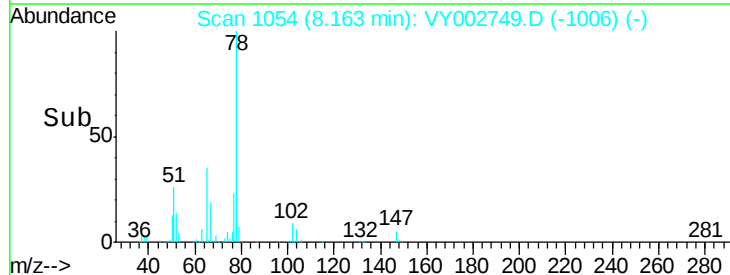
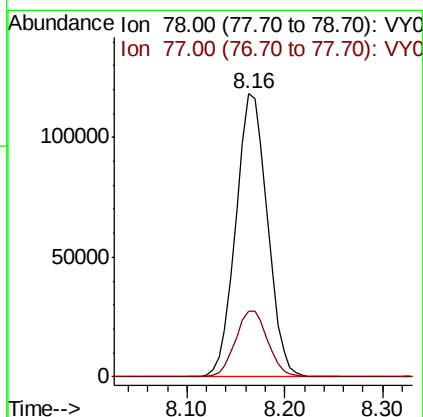
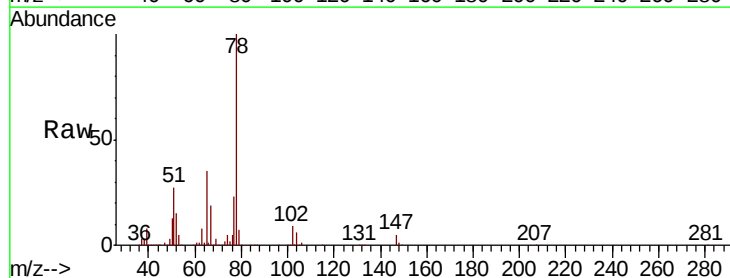
Instrument :
MSVOA_Y
ClientSampleId :

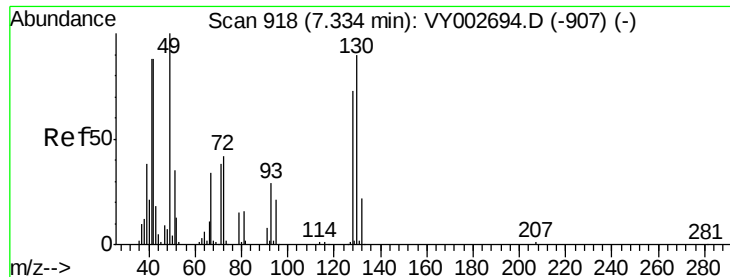
Tot Ion: 83 Resp: 115626
Ion Ratio Lower Upper
83 100
55 68.6 53.0 79.6
98 50.9 40.8 61.2



#40
Benzene
Concen: 20.196 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY002749.D
Acq: 22 May 2020 11:09

Tgt Ion: 78 Resp: 265482
Ion Ratio Lower Upper
78 100
77 23.5 19.2 28.8

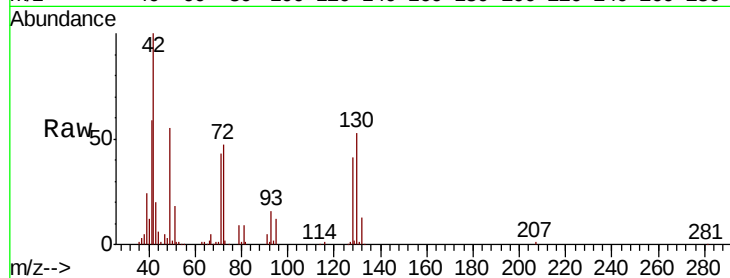




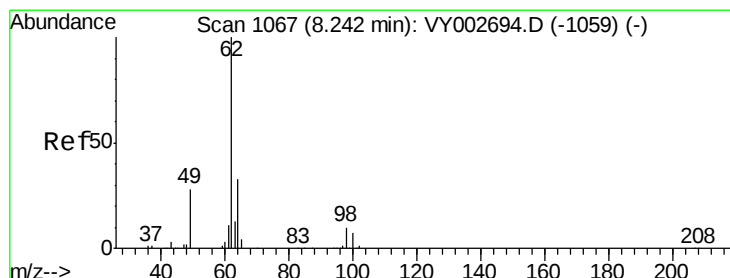
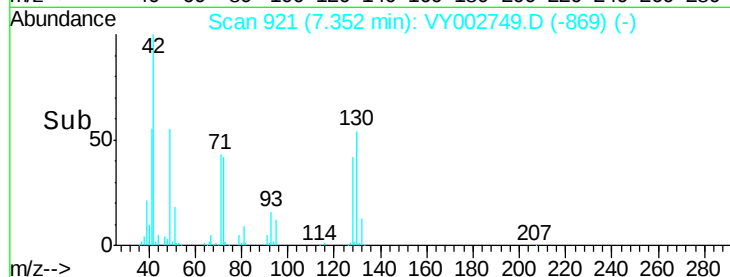
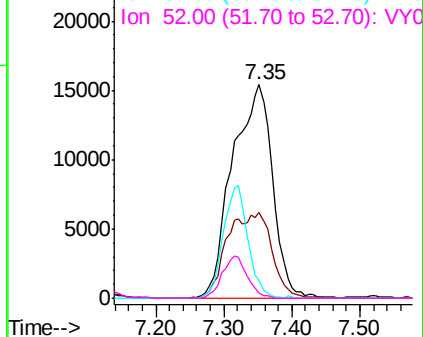
#41
Methacrylonitrile
Concen: 47.477 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.02 min
Lab File: VY002749.D
Acq: 22 May 2020 11:09

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:	41	Resp:	63204
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

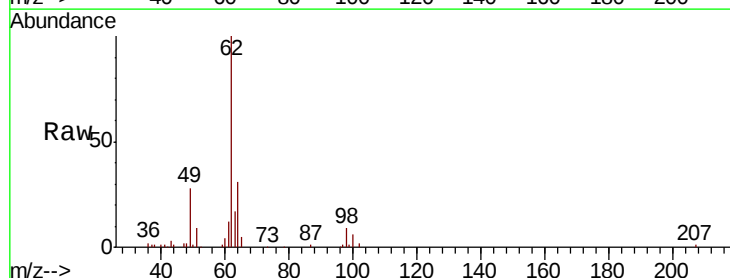


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

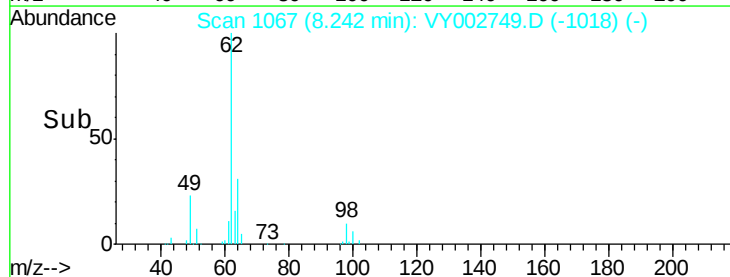
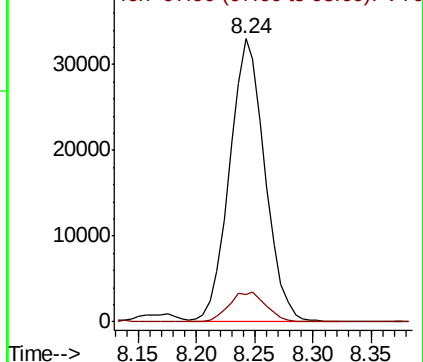


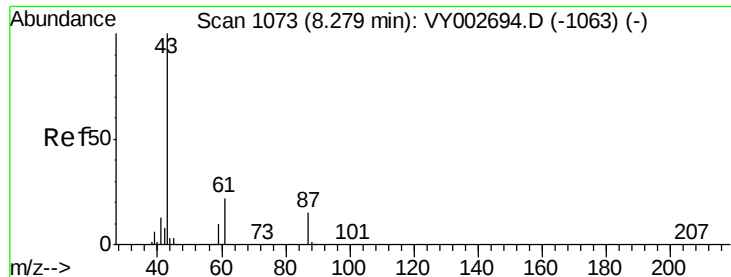
#42
1,2-Dichloroethane
Concen: 20.078 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY002749.D
Acq: 22 May 2020 11:09

Tgt Ion:	62	Resp:	69610
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	21.8



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

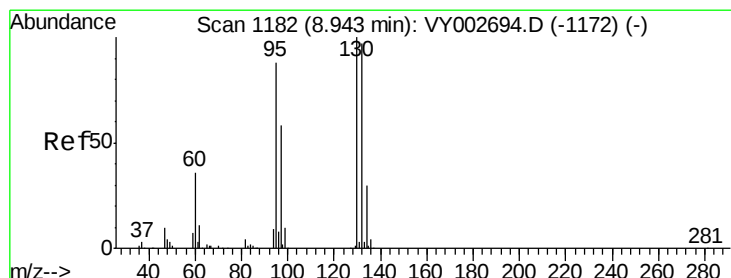
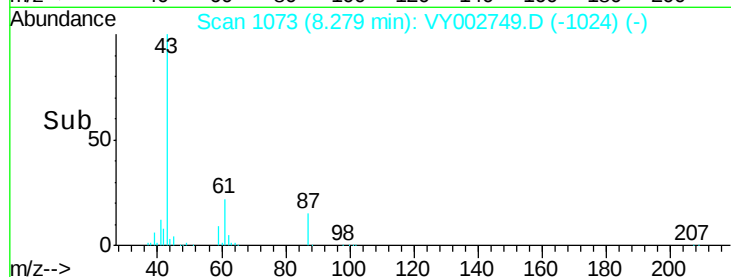
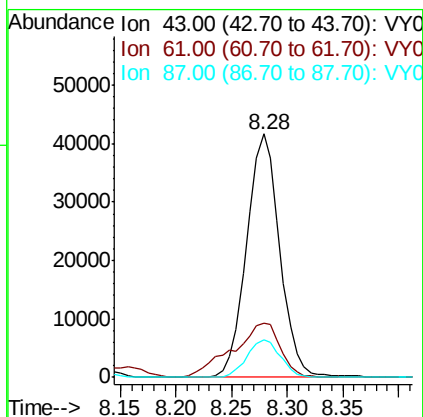
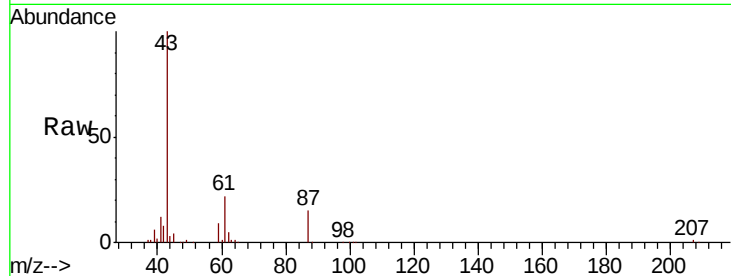




#43
Isopropyl Acetate
Concen: 20.982 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VY002749.D
Acq: 22 May 2020 11:09

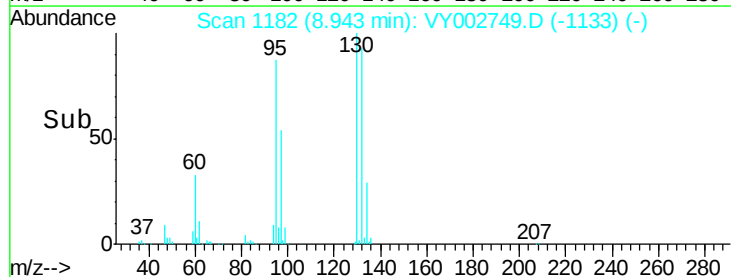
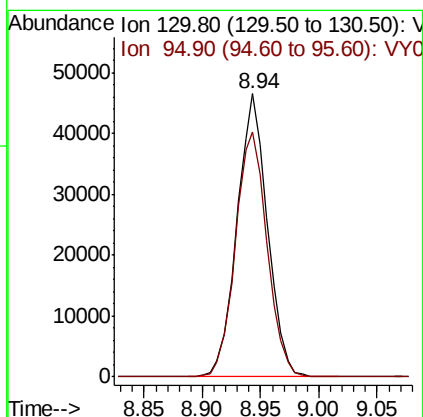
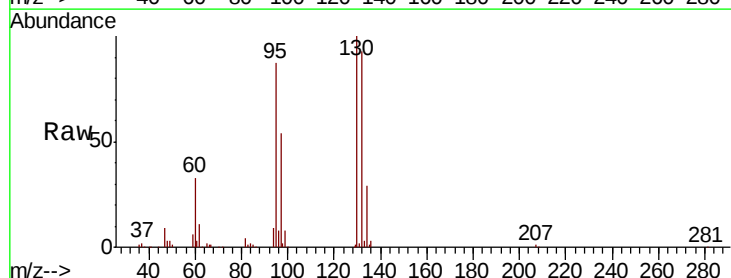
Instrument :
MSVOA_Y
ClientSampled :

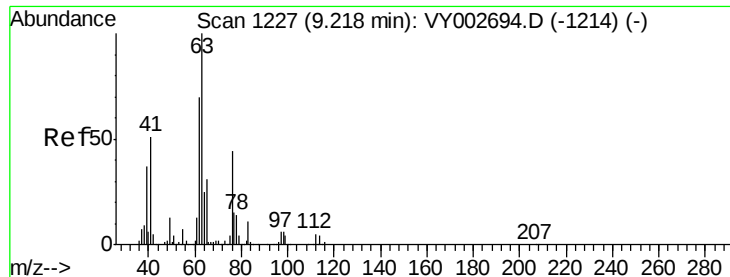
Tot Ion: 43 Resp: 86403
Ion Ratio Lower Upper
43 100
61 32.0 24.9 37.3
87 15.6 12.6 19.0



#44
Trichloroethene
Concen: 20.245 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VY002749.D
Acq: 22 May 2020 11:09

Tgt Ion:130 Resp: 84826
Ion Ratio Lower Upper
130 100
95 86.6 0.0 176.4

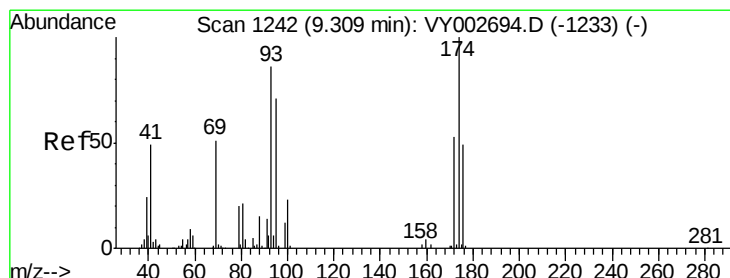
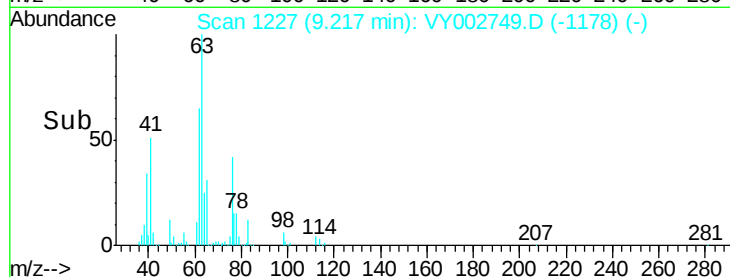
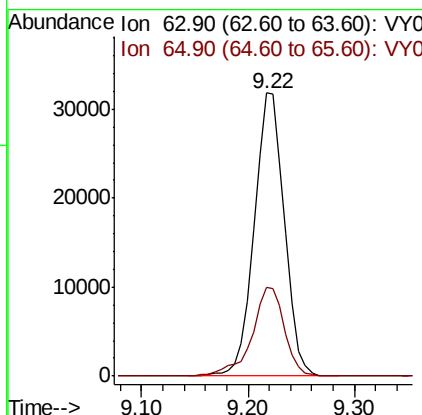
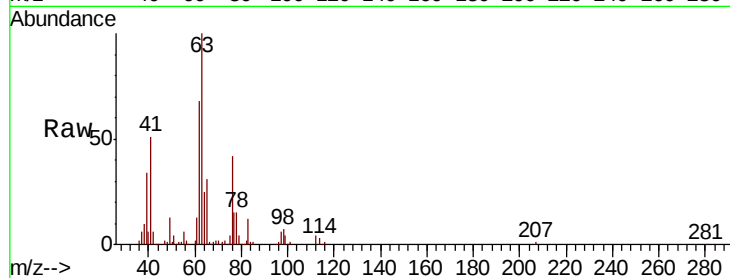




#45
 1,2-Dichloropropane
 Concen: 20.222 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY002749.D
 Acq: 22 May 2020 11:09

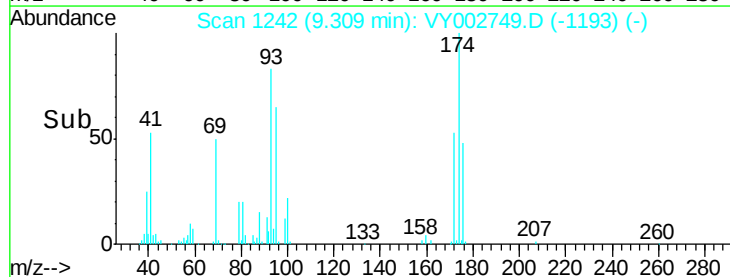
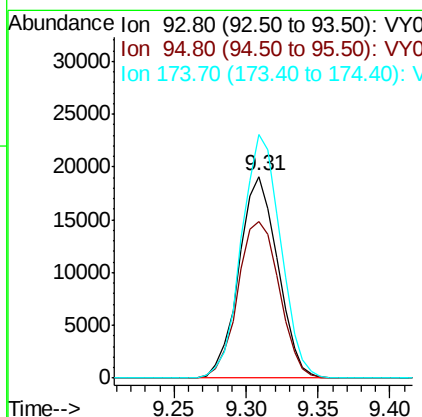
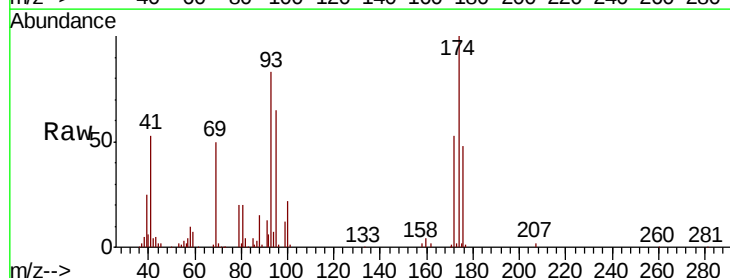
Instrument :
 MSVOA_Y
 ClientSampleId :

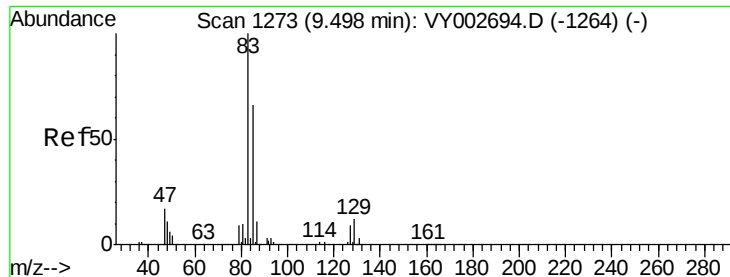
Tot Ion: 63 Resp: 63088
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.7 37.1



#46
 Dibromomethane
 Concen: 20.360 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY002749.D
 Acq: 22 May 2020 11:09

Tgt Ion: 93 Resp: 35686
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.5 99.7
 174 121.4 95.6 143.4





#47

Bromodichloromethane

Concen: 20.220 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

Instrument :
MSVOA_Y
ClientSampled :

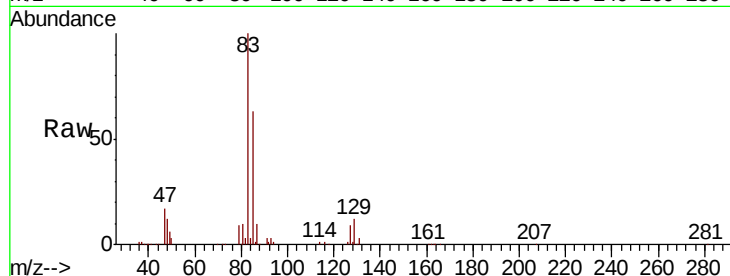
Tot Ion: 83 Resp: 86495

Ion Ratio Lower Upper

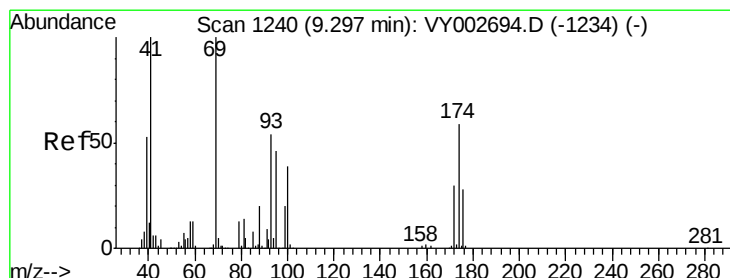
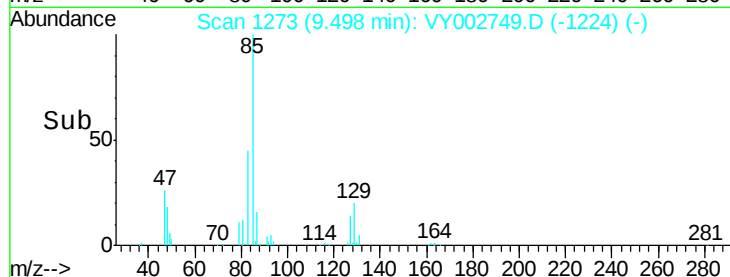
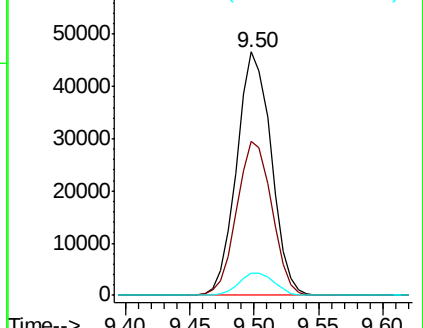
83 100

85 63.3 52.4 78.6

127 9.1 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): V



#48

Methyl methacrylate

Concen: 20.695 ug/l

RT: 9.29 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

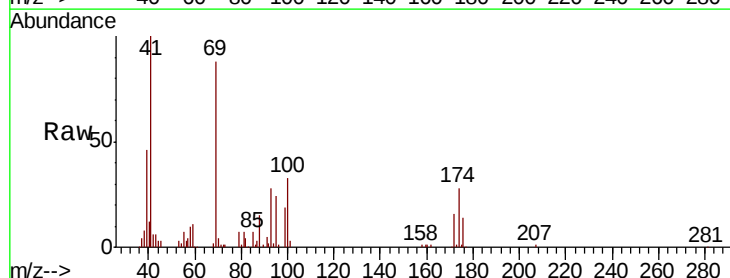
Tgt Ion: 41 Resp: 39239

Ion Ratio Lower Upper

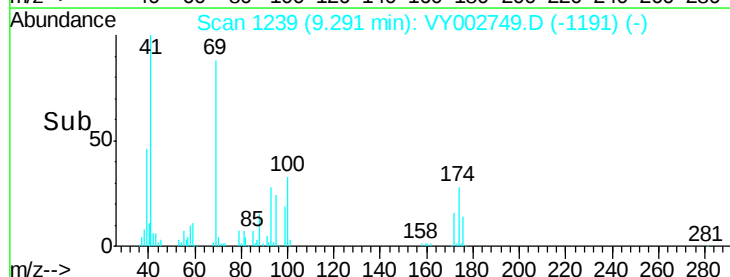
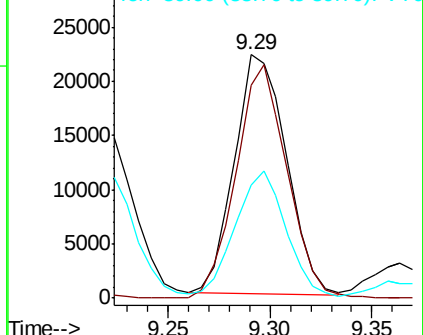
41 100

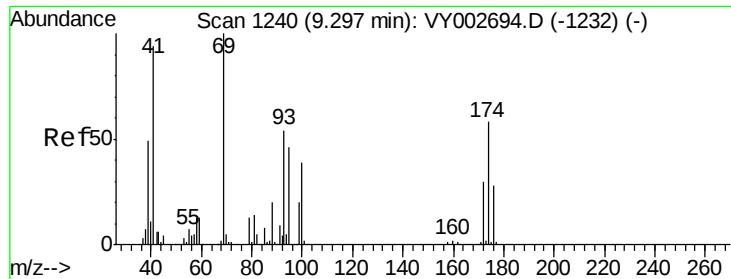
69 96.0 78.7 118.1

39 50.4 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

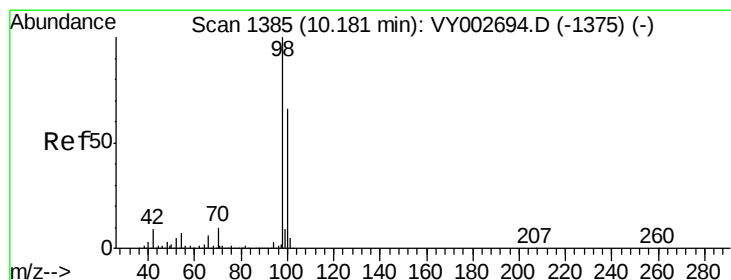
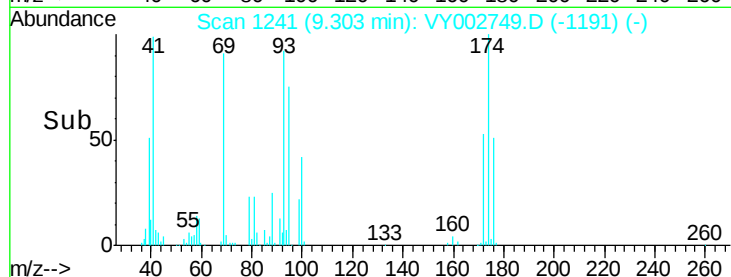
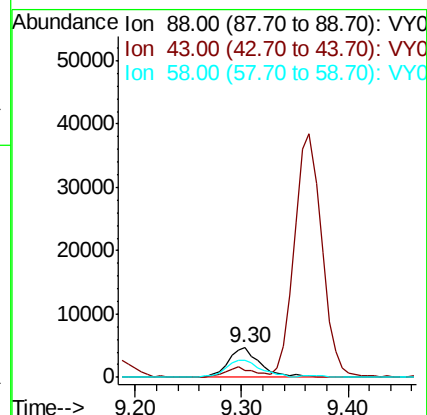
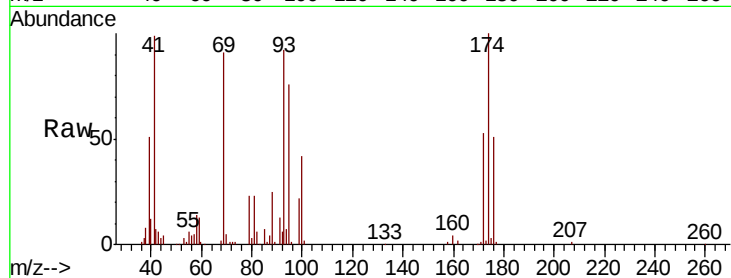




#49
1,4-Dioxane
Concen: 419.149 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY002749.D
Acq: 22 May 2020 11:09

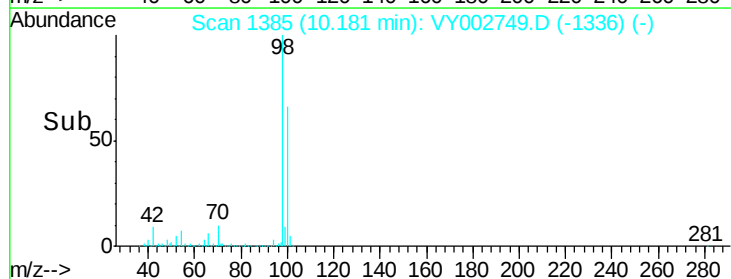
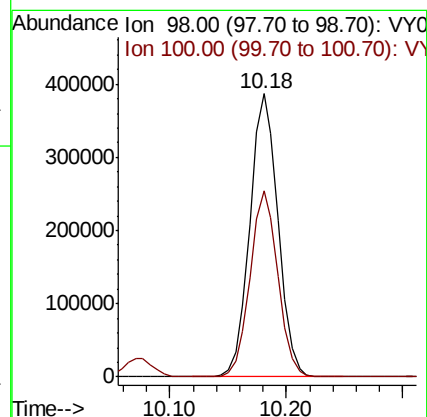
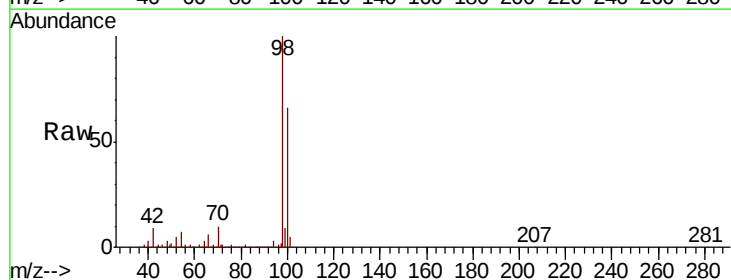
Instrument :
MSVOA_Y
ClientSampled :

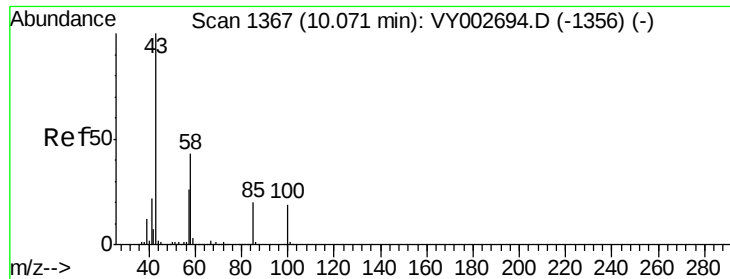
Tot Ion: 88 Resp: 10006
Ion Ratio Lower Upper
88 100
43 33.0 23.4 35.0
58 63.3 54.5 81.7



#50
Toluene-d8
Concen: 55.043 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY002749.D
Acq: 22 May 2020 11:09

Tgt Ion: 98 Resp: 650846
Ion Ratio Lower Upper
98 100
100 64.8 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 106.986 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

Instrument :

MSVOA_Y

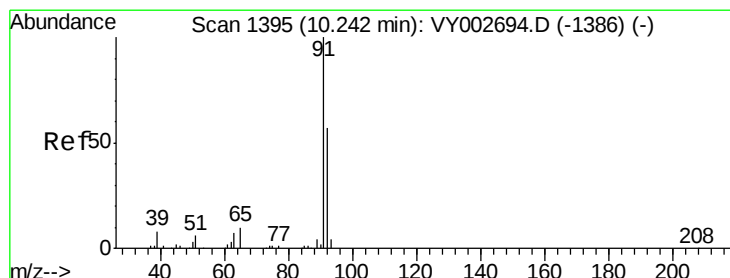
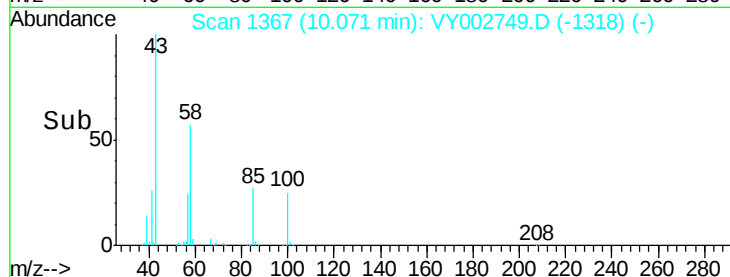
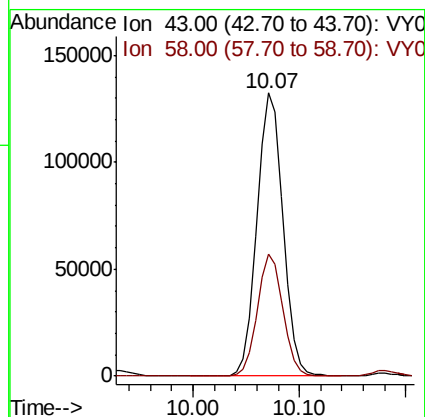
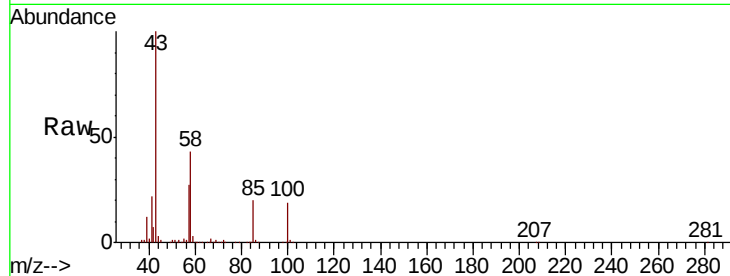
ClientSampleId :

Tot Ion: 43 Resp: 227463

Ion Ratio Lower Upper

43 100

58 42.3 34.1 51.1



#52

Toluene

Concen: 20.198 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY002749.D

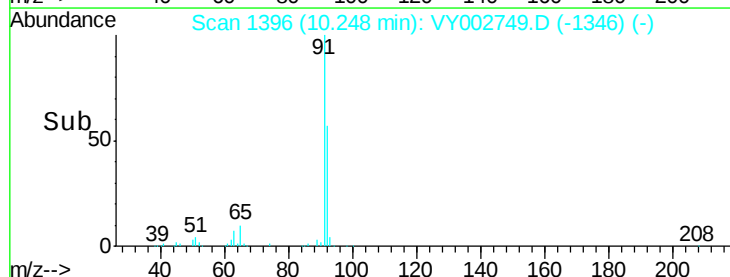
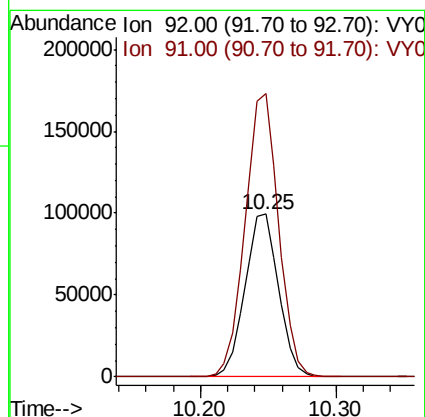
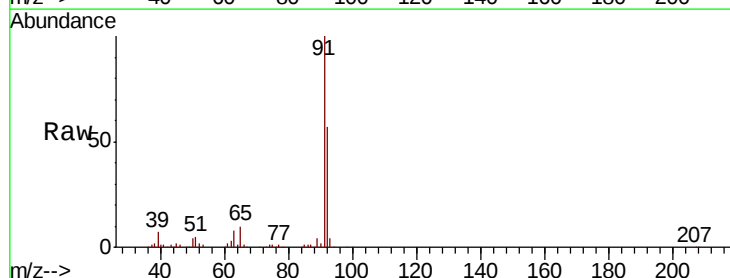
Acq: 22 May 2020 11:09

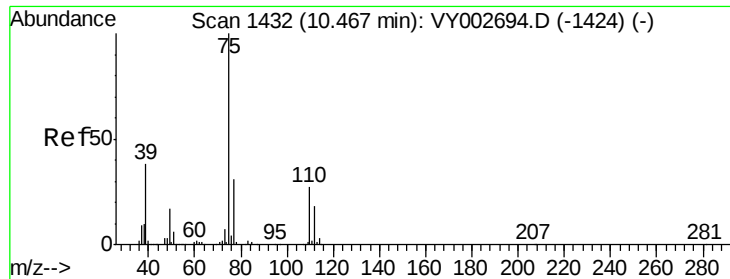
Tgt Ion: 92 Resp: 171817

Ion Ratio Lower Upper

92 100

91 173.1 138.8 208.2





#53

t-1,3-Dichloropropene

Concen: 20.370 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

Instrument :

MSVOA_Y

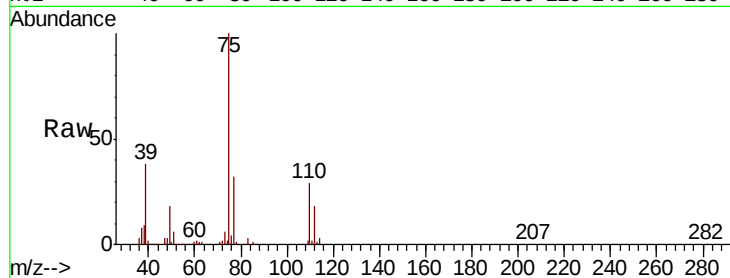
ClientSampleId :

Tot Ion: 75 Resp: 93006

Ion Ratio Lower Upper

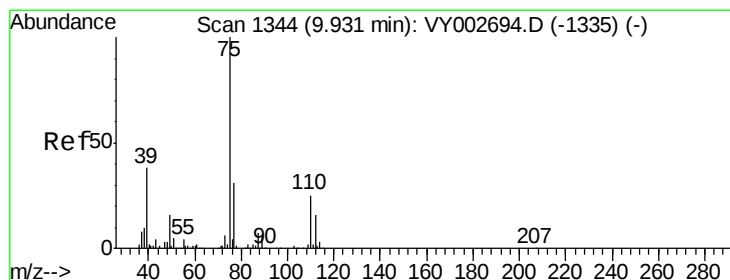
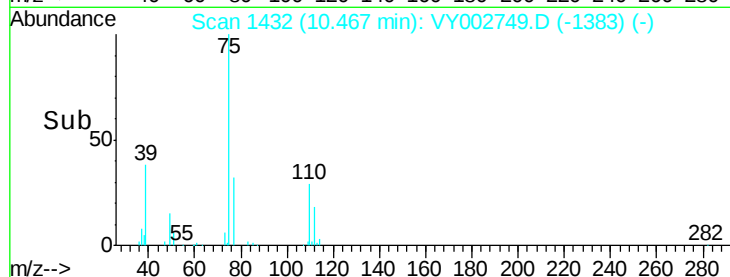
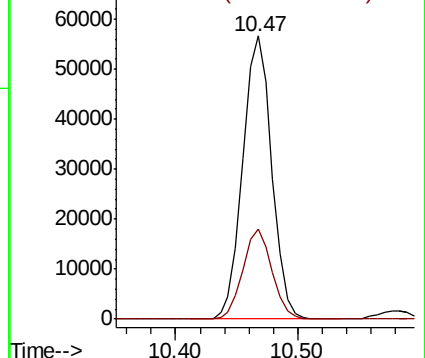
75 100

77 32.1 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 20.251 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

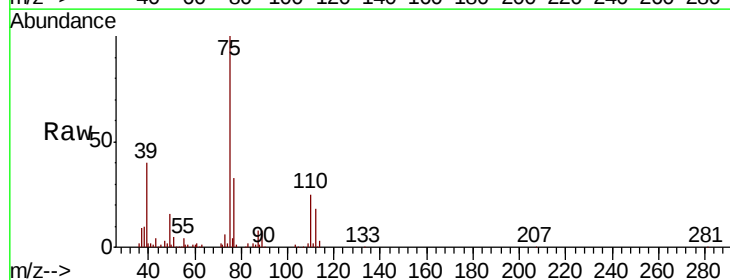
Tgt Ion: 75 Resp: 107193

Ion Ratio Lower Upper

75 100

77 33.4 24.8 37.2

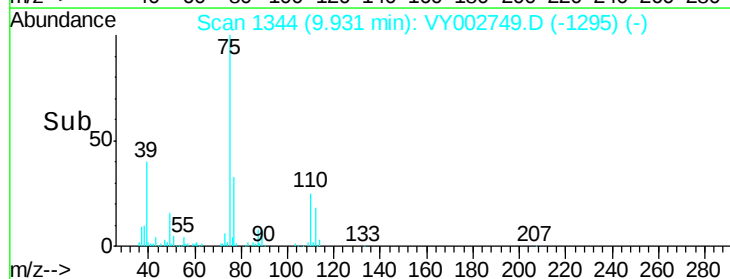
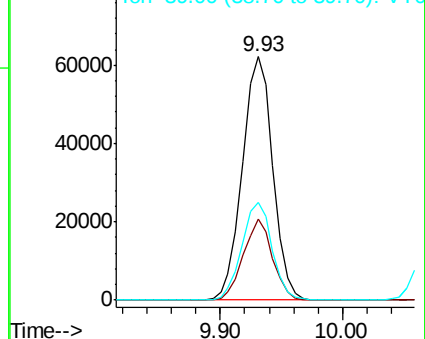
39 40.3 30.7 46.1

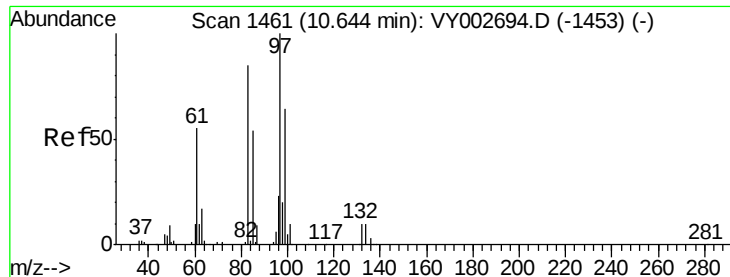


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

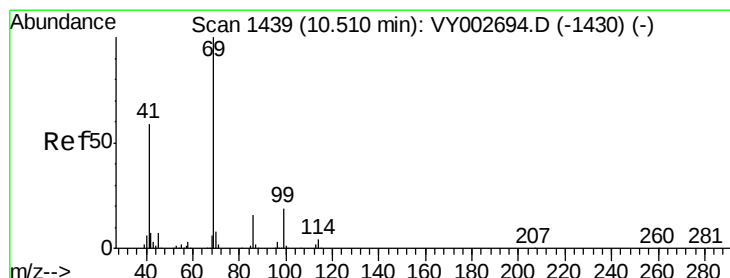
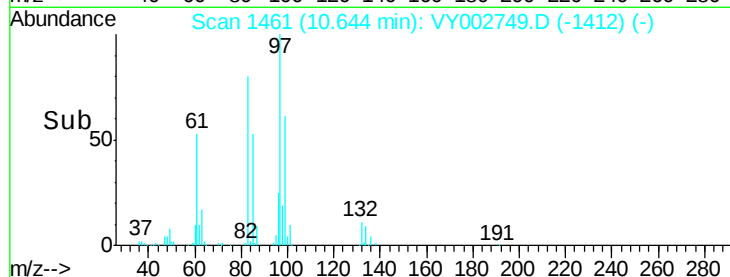
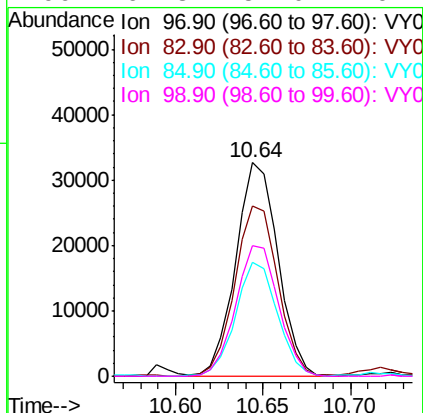
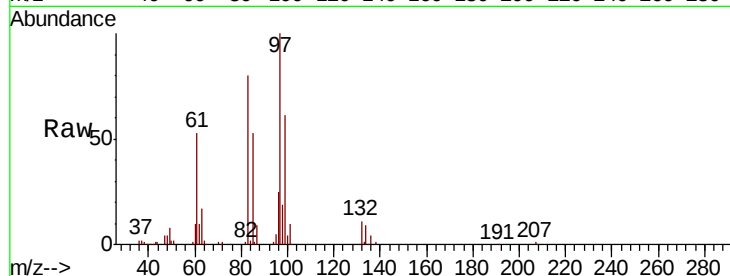




#55
 1,1,2-Trichloroethane
 Concen: 21.070 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY002749.D
 Acq: 22 May 2020 11:09

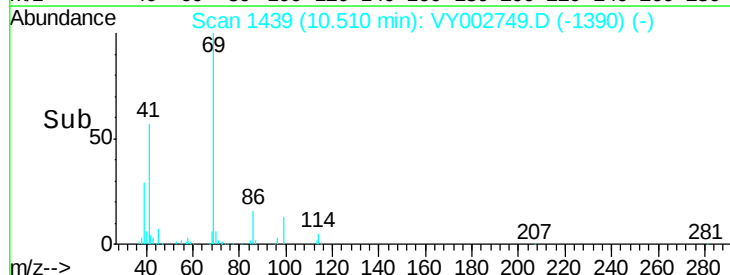
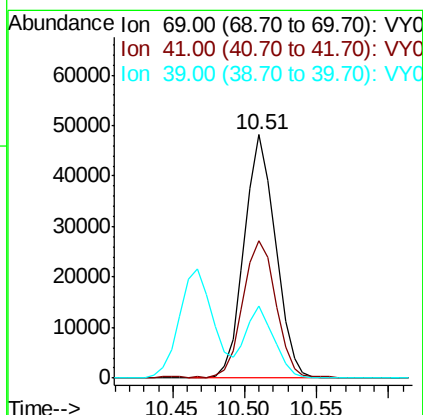
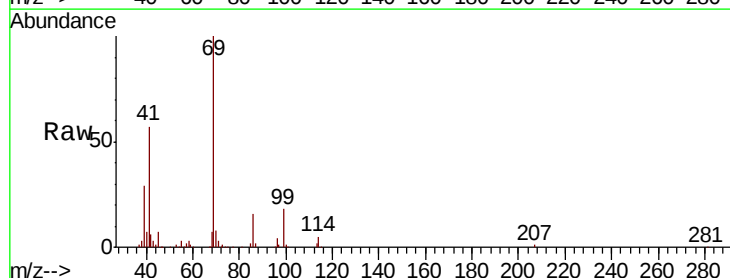
Instrument :
 MSVOA_Y
 ClientSampled :

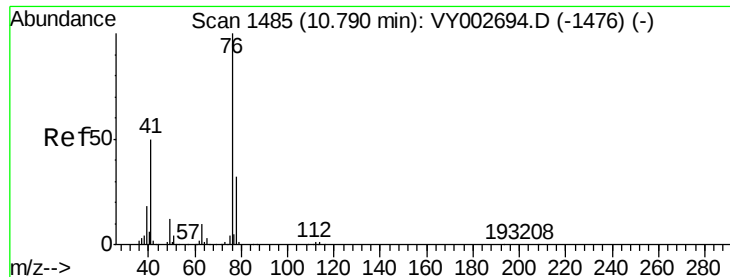
Tot Ion:	97	Resp:	54982
Ion	Ratio	Lower	Upper
97	100		
83	79.6	68.1	102.1
85	52.9	43.1	64.7
99	61.3	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 20.953 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY002749.D
 Acq: 22 May 2020 11:09

Tgt Ion:	69	Resp:	72790
Ion	Ratio	Lower	Upper
69	100		
41	59.7	48.0	72.0
39	26.7	22.1	33.1





#57

1,3-Dichloropropane

Concen: 20.838 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

Instrument :

MSVOA_Y

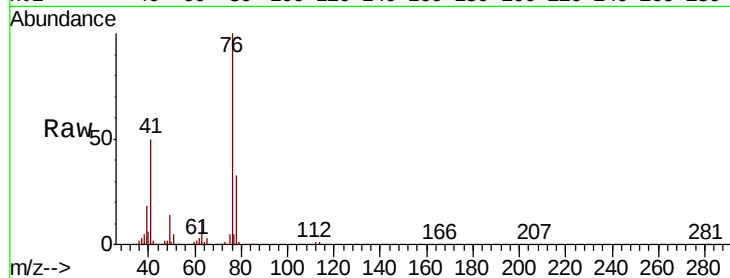
ClientSampled :

Tot Ion: 76 Resp: 91125

Ion Ratio Lower Upper

76 100

78 32.0 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

10.79

60000

50000

40000

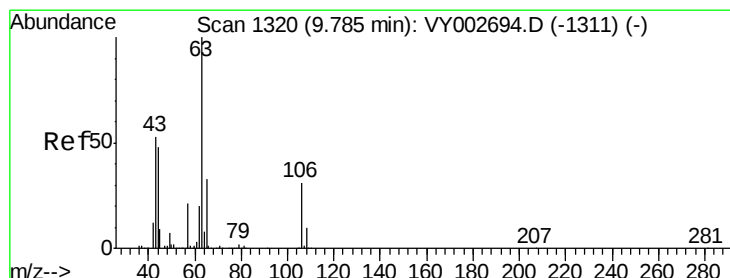
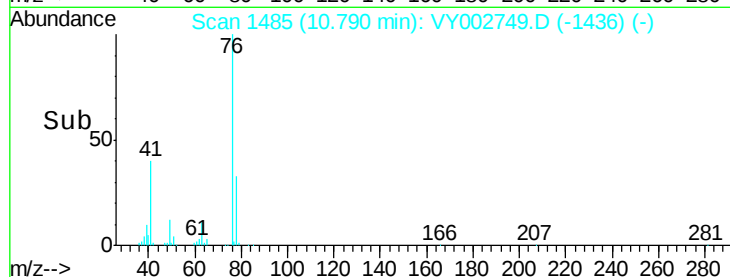
30000

20000

10000

0

Time--> 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 102.312 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY002749.D

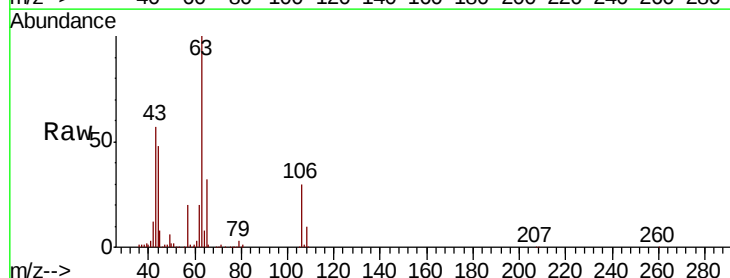
Acq: 22 May 2020 11:09

Tgt Ion: 63 Resp: 175465

Ion Ratio Lower Upper

63 100

106 31.2 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

120000

100000

80000

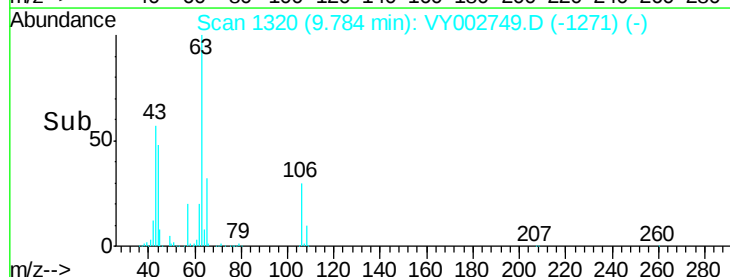
60000

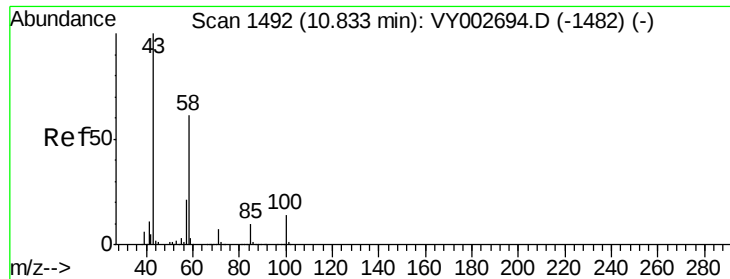
40000

20000

0

Time--> 9.70 9.75 9.80 9.85 9.90

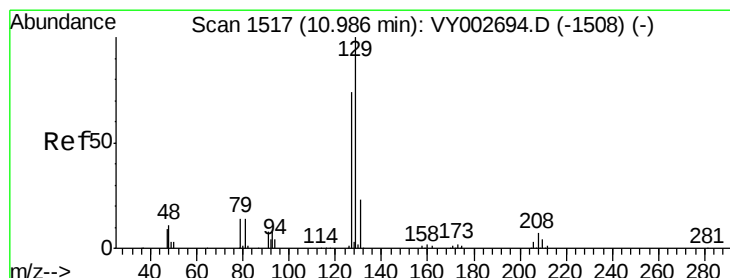
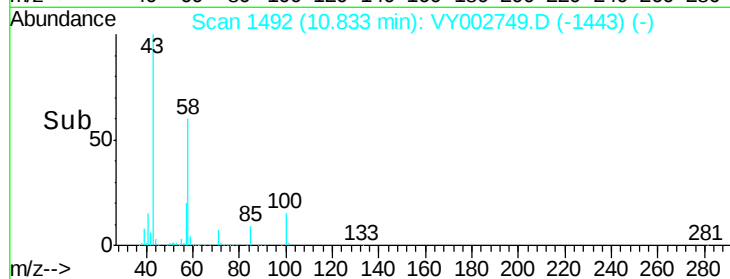
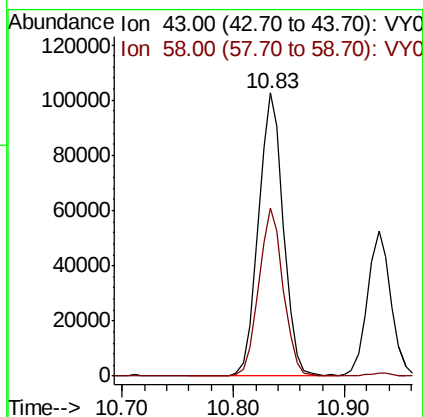
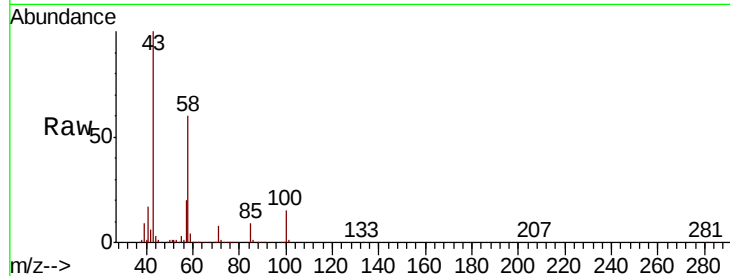




#59
2-Hexanone
Concen: 108.137 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY002749.D
Acq: 22 May 2020 11:09

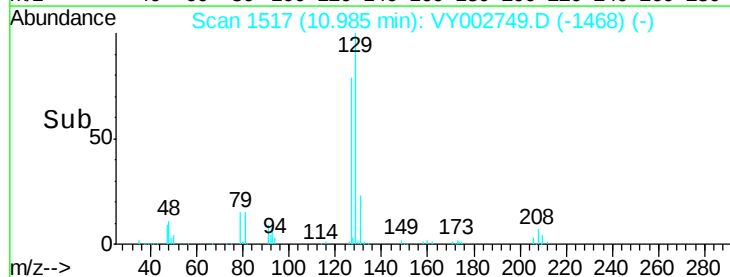
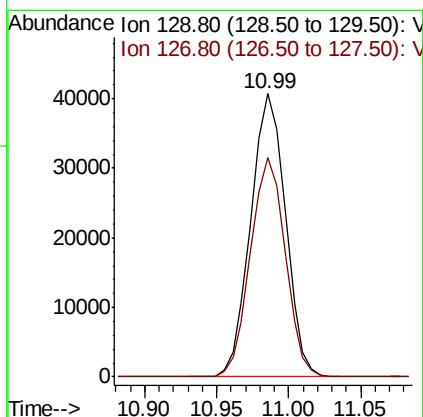
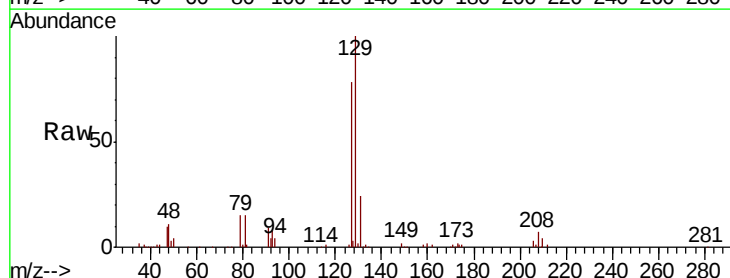
Instrument :
MSVOA_Y
ClientSampled :

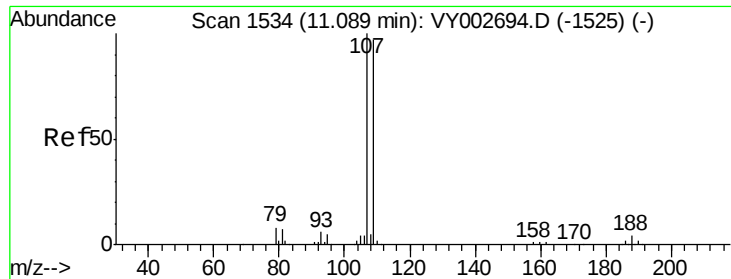
Tot Ion: 43 Resp: 160179
Ion Ratio Lower Upper
43 100
58 58.5 29.8 89.4



#60
Dibromochloromethane
Concen: 20.410 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY002749.D
Acq: 22 May 2020 11:09

Tgt Ion: 129 Resp: 68041
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.3

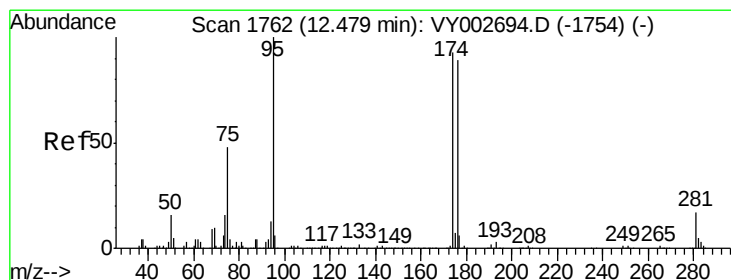
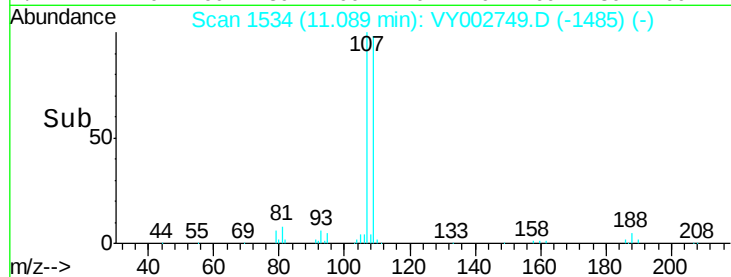
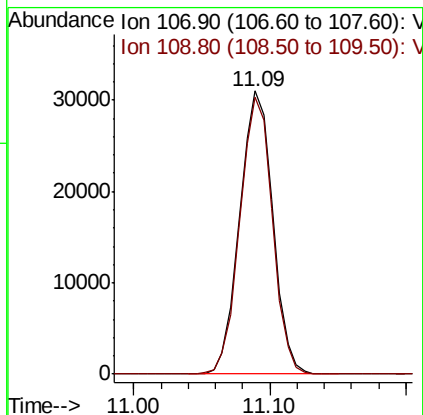
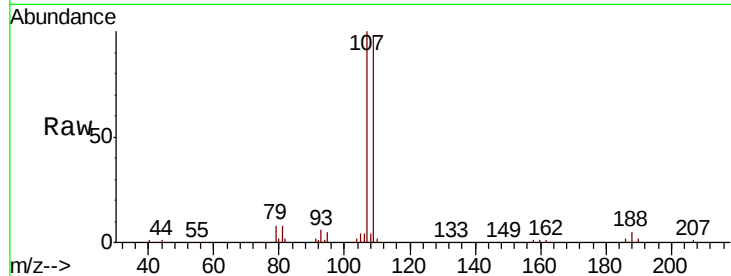




#61
 1,2-Dibromoethane
 Concen: 20.544 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY002749.D
 Acq: 22 May 2020 11:09

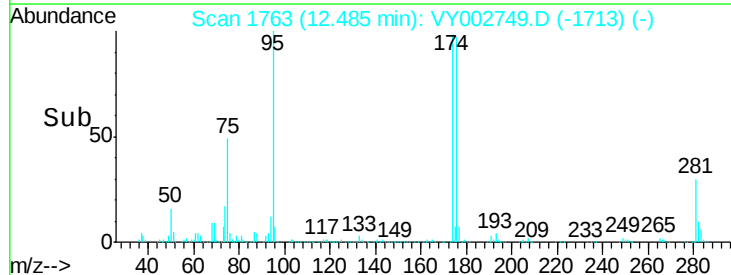
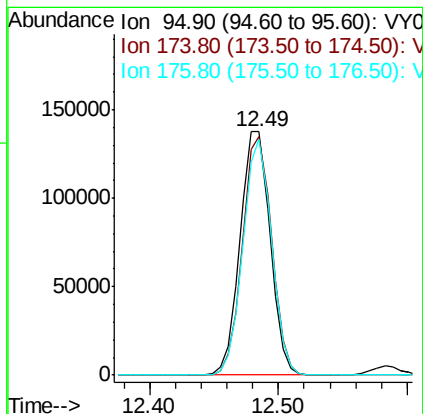
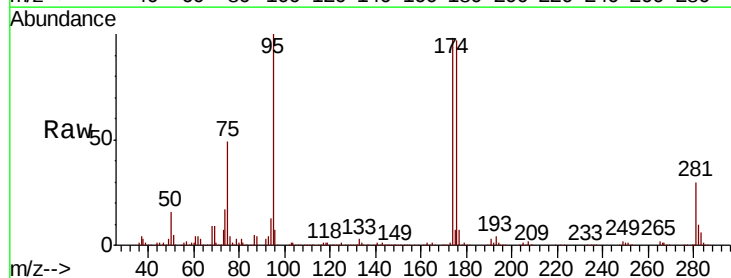
Instrument :
 MSVOA_Y
 ClientSampleId :

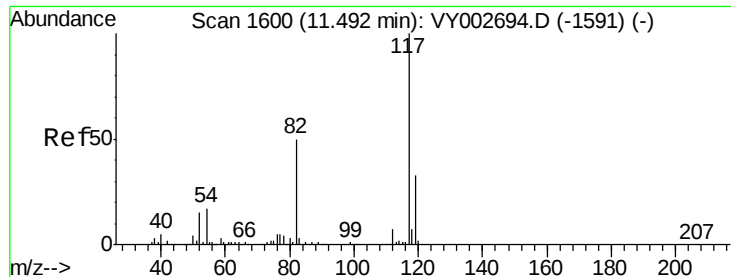
Tot Ion:107 Resp: 52817
 Ion Ratio Lower Upper
 107 100
 109 95.8 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 54.539 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.01 min
 Lab File: VY002749.D
 Acq: 22 May 2020 11:09

Tgt Ion: 95 Resp: 221653
 Ion Ratio Lower Upper
 95 100
 174 94.8 0.0 191.4
 176 92.0 0.0 186.0

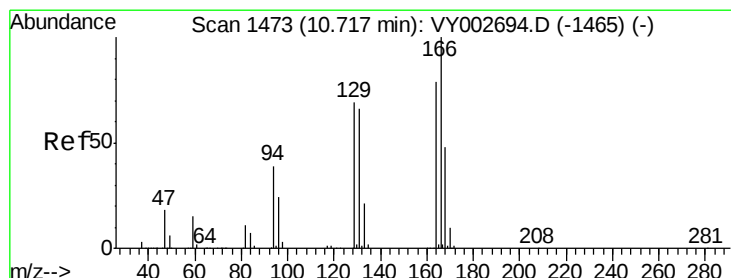
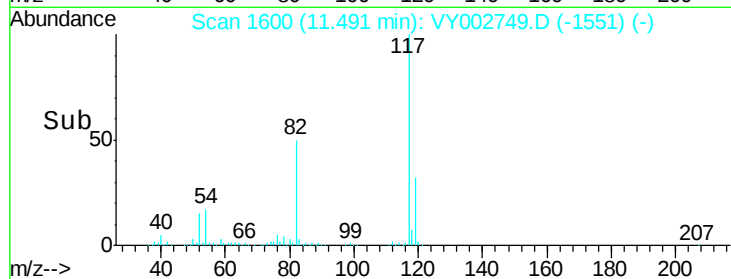
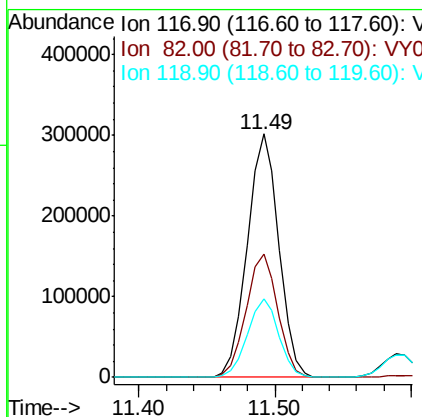
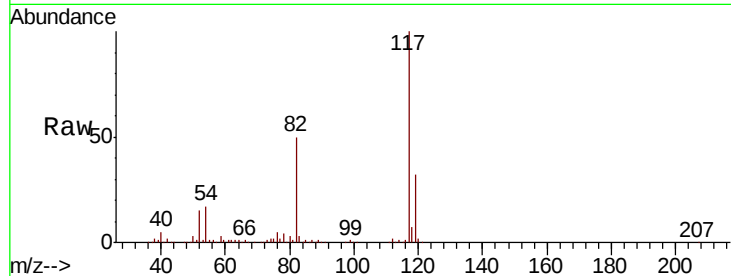




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002749.D
Acq: 22 May 2020 11:09

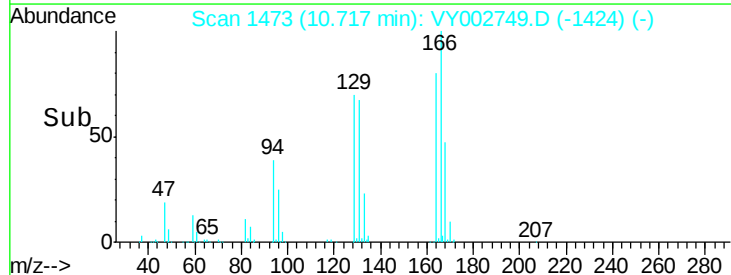
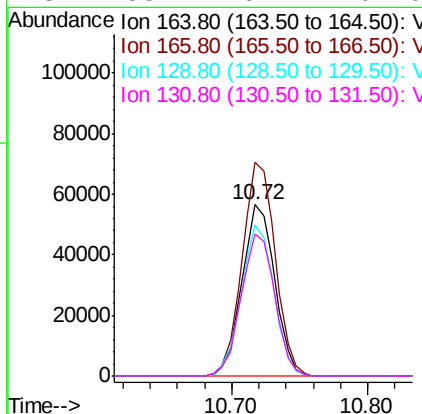
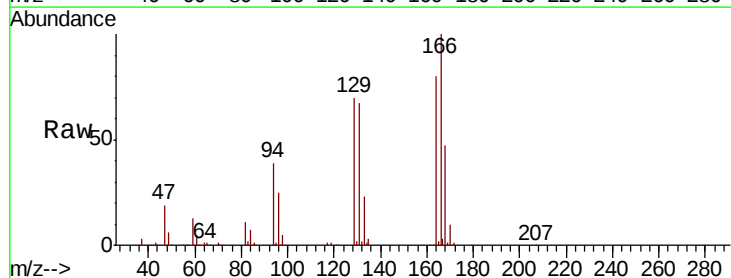
Instrument :
MSVOA_Y
ClientSampleId :

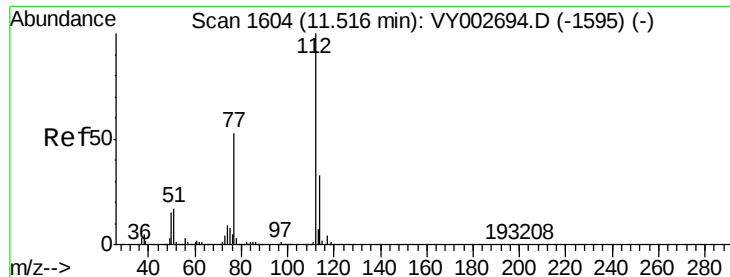
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.5	40.3	60.5
119	32.1	26.2	39.4



#64
Tetrachloroethene
Concen: 20.568 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY002749.D
Acq: 22 May 2020 11:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.8	101.6	152.4
129	87.9	70.2	105.4
131	83.2	67.4	101.0

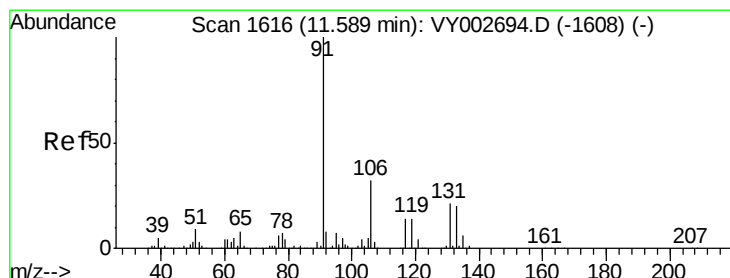
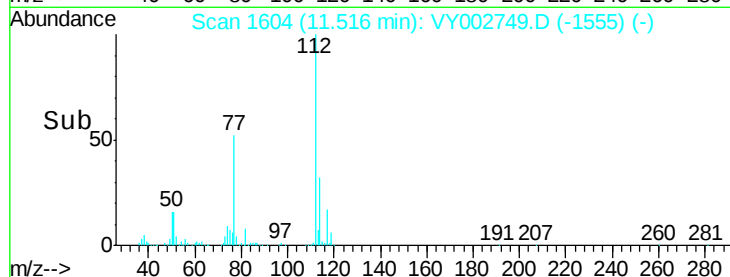
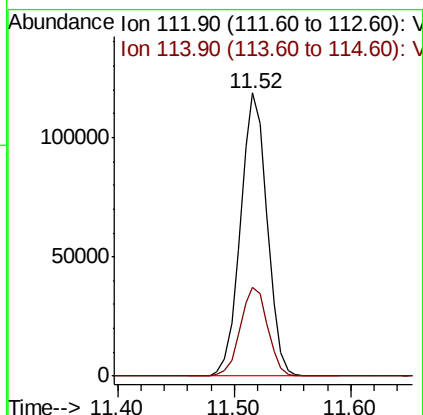
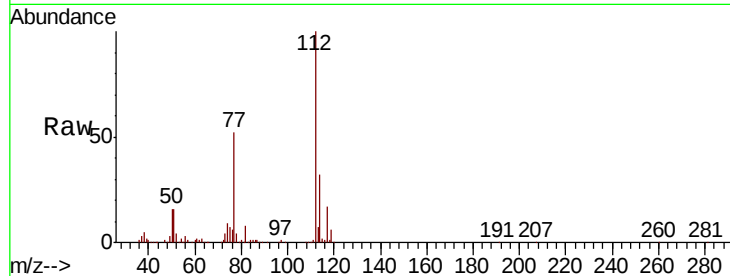




#65
Chlorobenzene
Concen: 20.034 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY002749.D
Acq: 22 May 2020 11:09

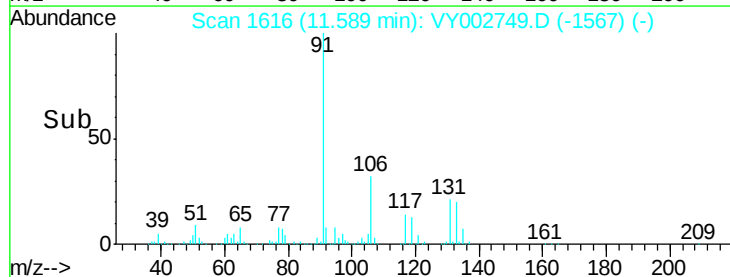
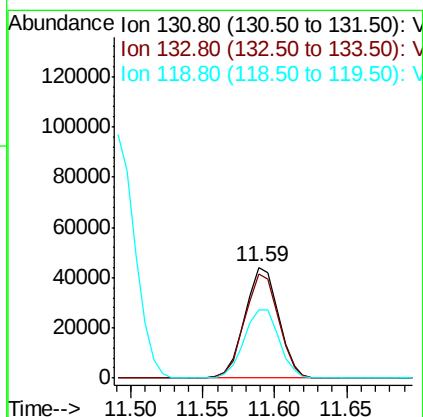
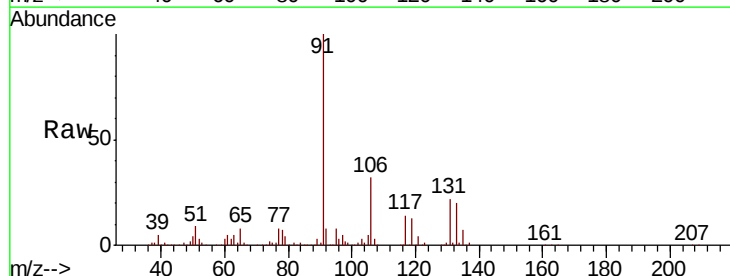
Instrument :
MSVOA_Y
ClientSampleId :

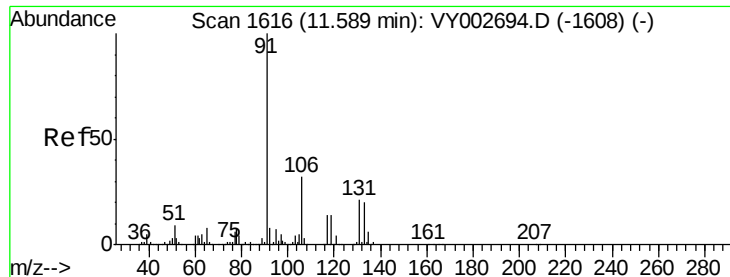
Tot Ion:112 Resp: 189192
Ion Ratio Lower Upper
112 100
114 31.6 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 20.437 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY002749.D
Acq: 22 May 2020 11:09

Tgt Ion:131 Resp: 71629
Ion Ratio Lower Upper
131 100
133 94.7 47.4 142.3
119 64.2 31.6 94.8





#67

Ethyl Benzene

Concen: 20.174 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

Instrument :

MSVOA_Y

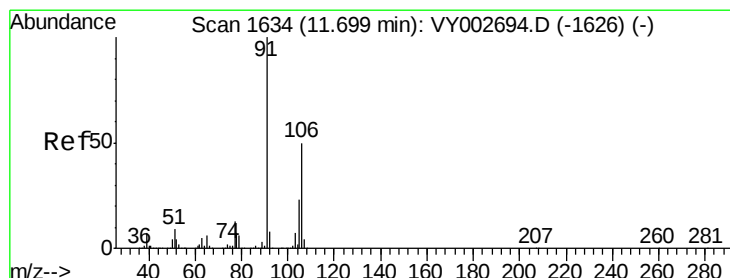
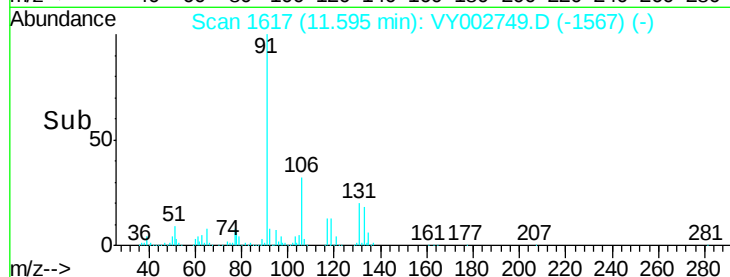
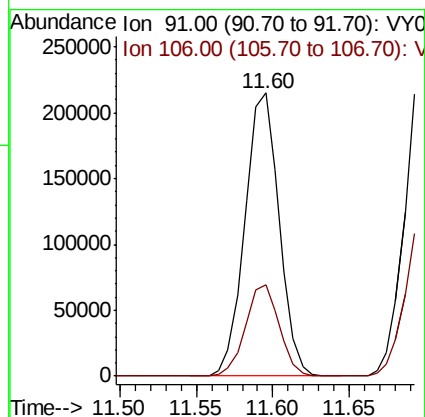
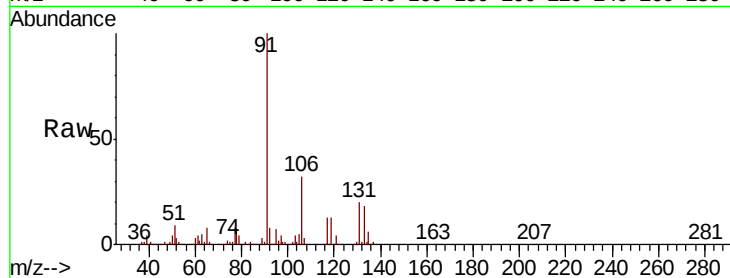
ClientSampleId :

Tot Ion: 91 Resp: 334508

Ion Ratio Lower Upper

91 100

106 32.5 26.0 39.0



#68

m/p-Xylenes

Concen: 40.166 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VY002749.D

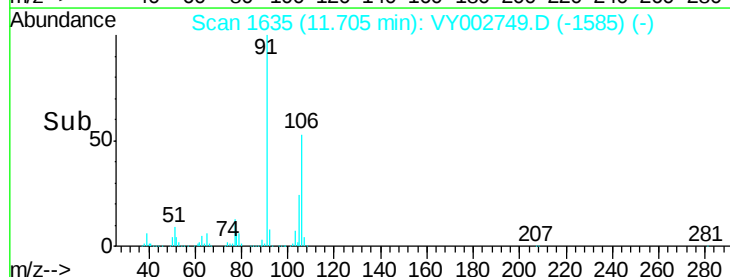
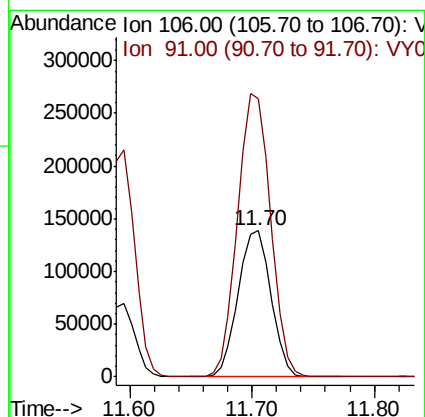
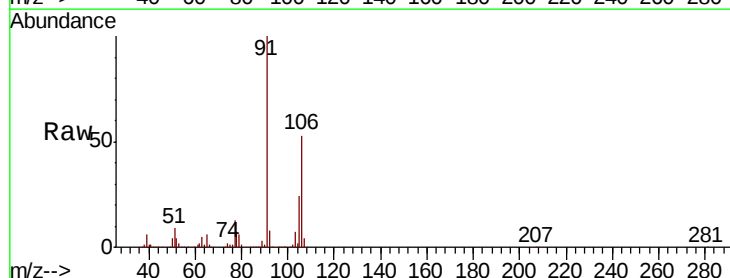
Acq: 22 May 2020 11:09

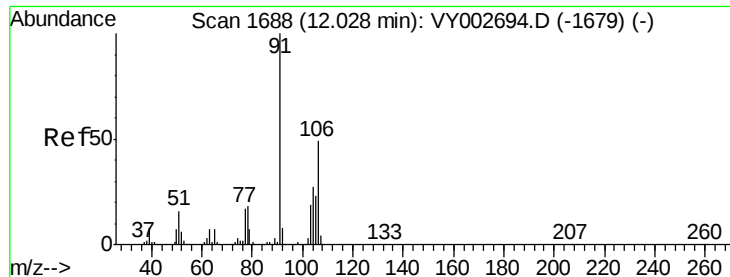
Tgt Ion: 106 Resp: 259112

Ion Ratio Lower Upper

106 100

91 193.9 156.2 234.4

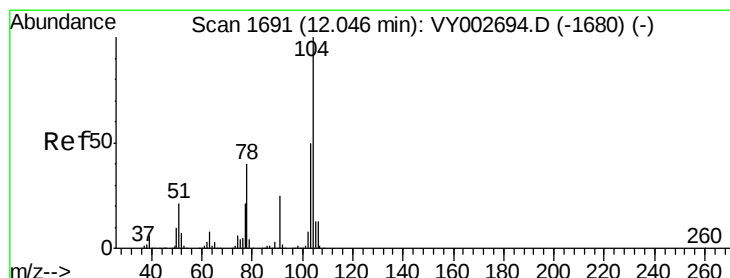
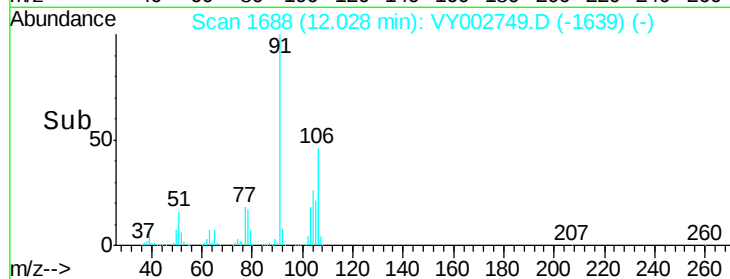
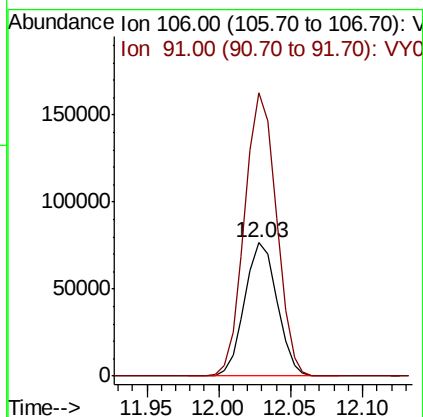
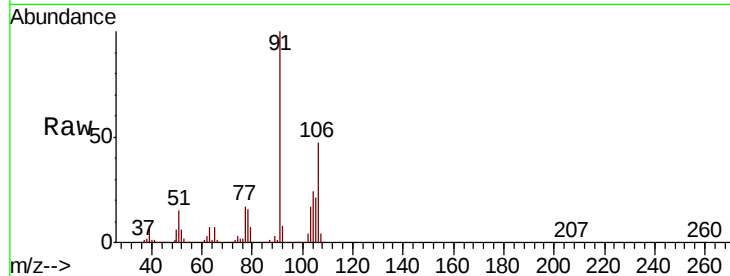




#69
o-Xylene
Concen: 19.849 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY002749.D
Acq: 22 May 2020 11:09

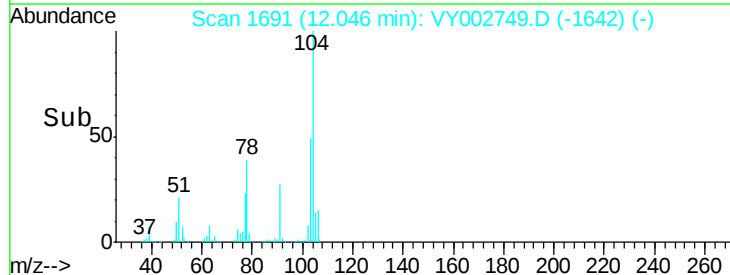
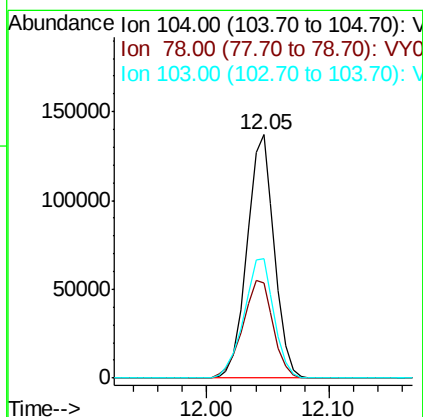
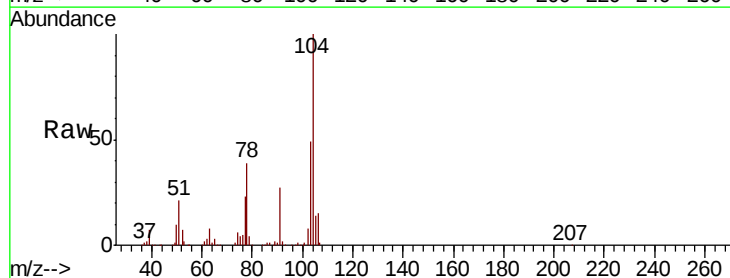
Instrument :
MSVOA_Y
ClientSampled :

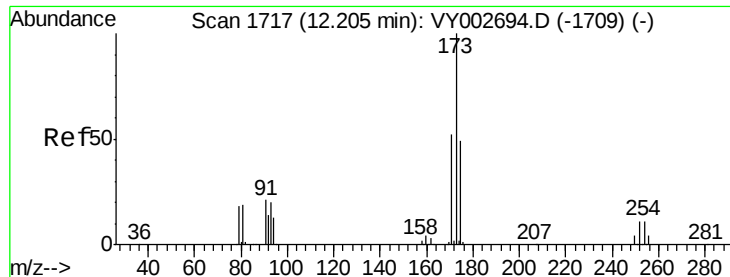
Tot Ion:106 Resp: 120178
Ion Ratio Lower Upper
106 100
91 208.1 103.5 310.3



#70
Styrene
Concen: 20.283 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY002749.D
Acq: 22 May 2020 11:09

Tgt Ion:104 Resp: 210856
Ion Ratio Lower Upper
104 100
78 45.2 36.6 54.8
103 54.2 44.1 66.1





#71

Bromoform

Concen: 20.644 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.01 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

Instrument :

MSVOA_Y

ClientSampleId :

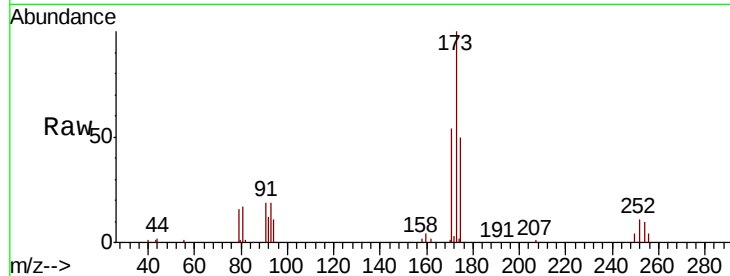
Tot Ion:173 Resp: 44725

Ion Ratio Lower Upper

173 100

175 48.7 24.1 72.4

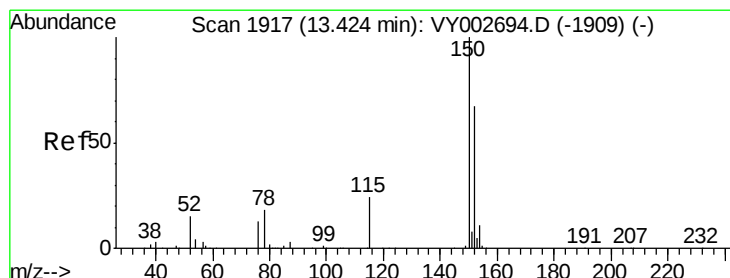
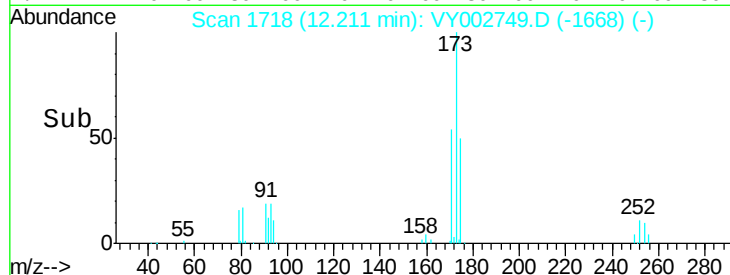
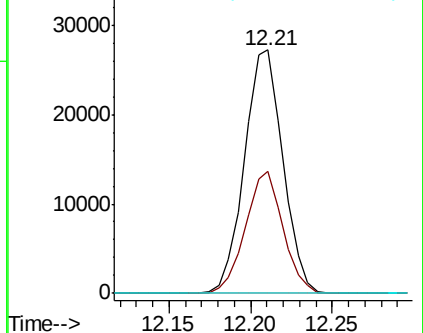
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

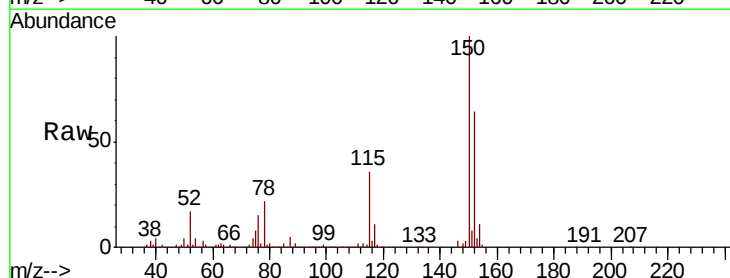
Tgt Ion:152 Resp: 257654

Ion Ratio Lower Upper

152 100

115 54.1 27.2 81.6

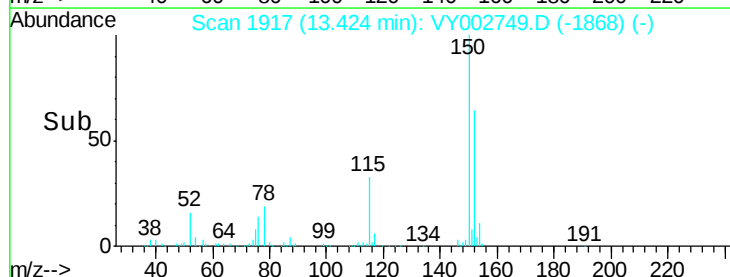
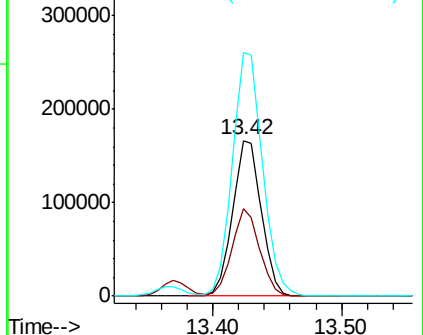
150 165.2 0.0 343.8

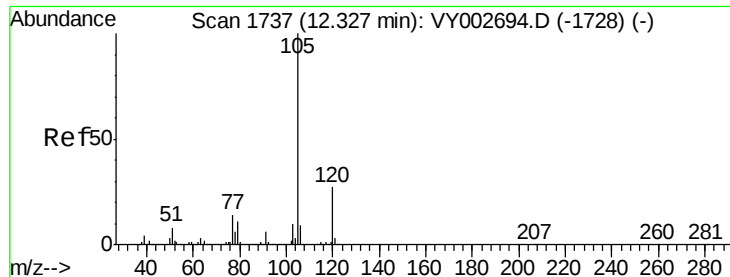


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.940 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

Instrument :

MSVOA_Y

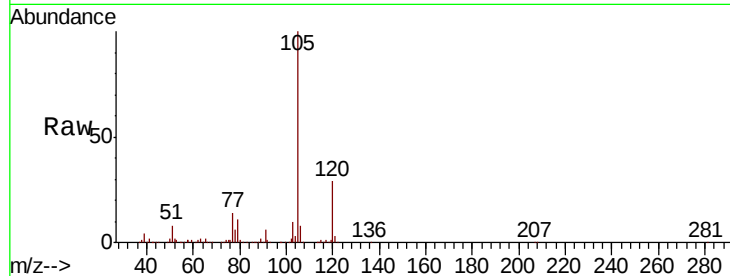
ClientSampleId :

Tot Ion:105 Resp: 335707

Ion Ratio Lower Upper

105 100

120 27.7 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

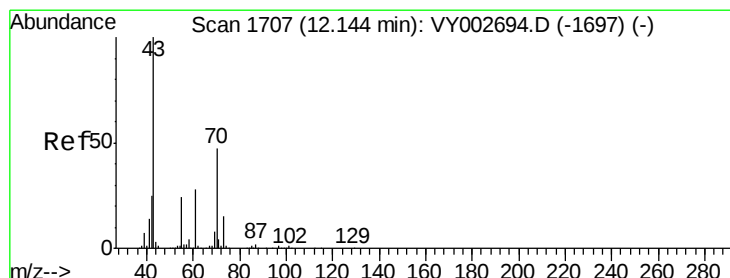
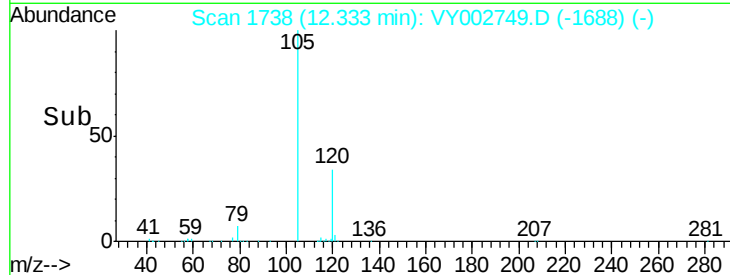
50000

0

12.33

12.40

Time-->



#74

N-ethyl acetate

Concen: 20.746 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

Tgt Ion: 43 Resp: 81959

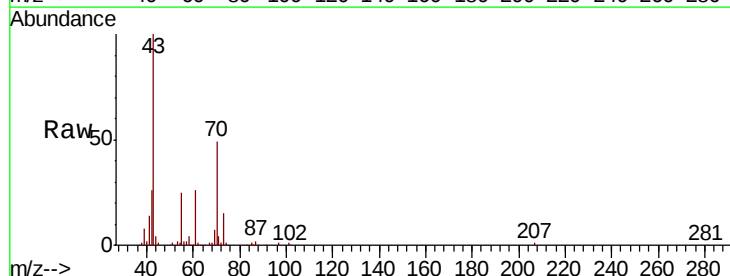
Ion Ratio Lower Upper

43 100

70 48.2 37.7 56.5

55 24.8 19.4 29.0

61 26.1 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

80000

60000

40000

20000

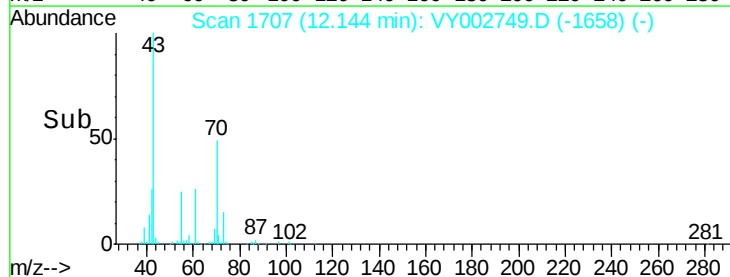
0

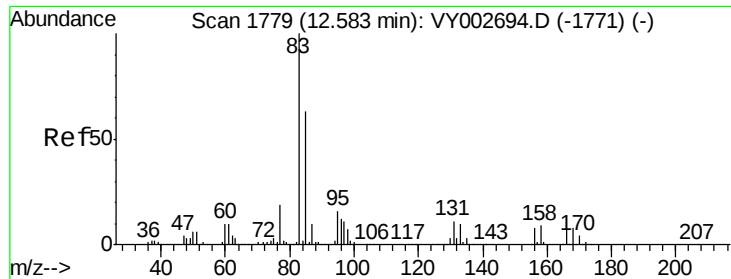
12.14

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.604 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

Instrument :

MSVOA_Y

ClientSampleId :

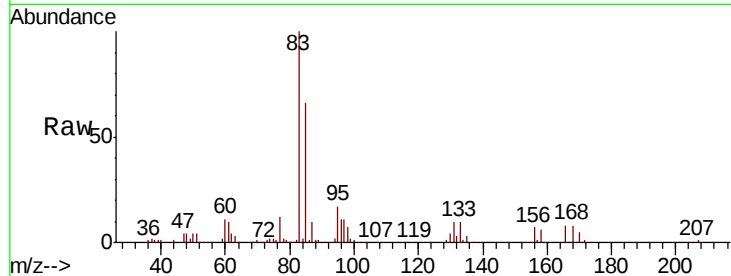
Tot Ion: 83 Resp: 51081

Ion Ratio Lower Upper

83 100

131 11.8 5.8 17.3

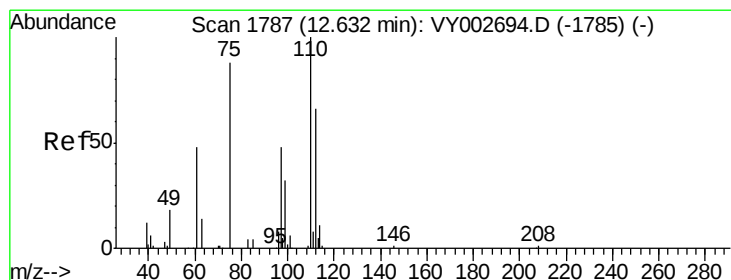
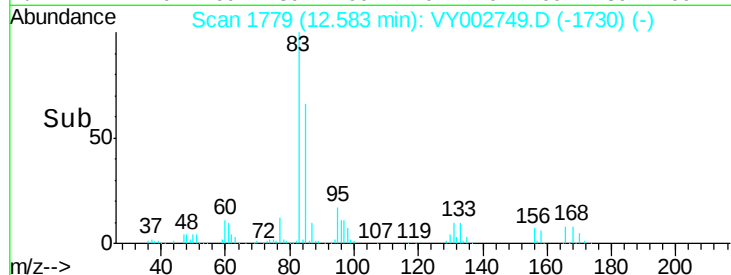
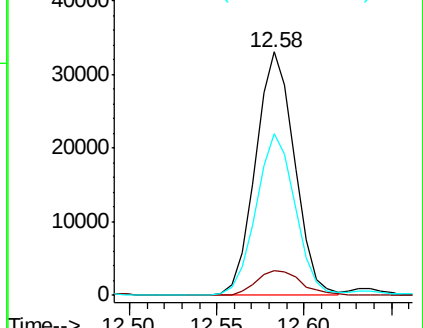
85 66.8 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VY002749.D (-1730) (-)

Ion 130.80 (130.50 to 131.50): VY002749.D (-1730) (-)

Ion 84.90 (84.60 to 85.60): VY002749.D (-1730) (-)



#76

1,2,3-Trichloropropane

Concen: 38.783 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY002749.D

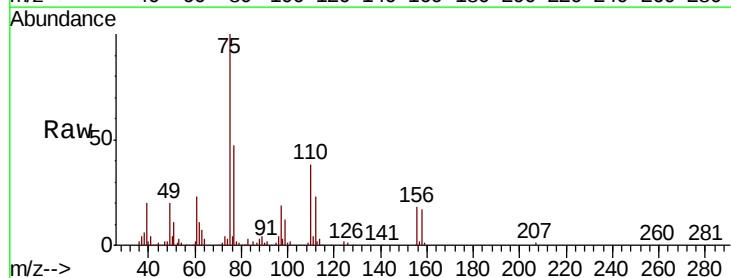
Acq: 22 May 2020 11:09

Tgt Ion: 75 Resp: 82085

Ion Ratio Lower Upper

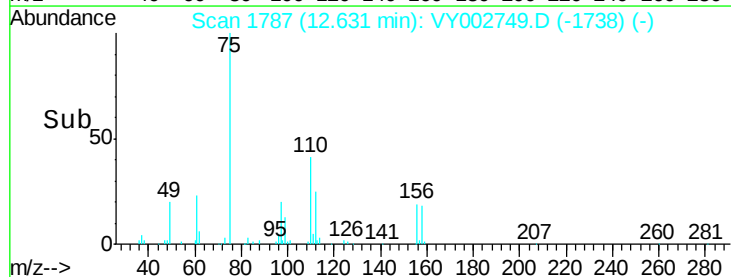
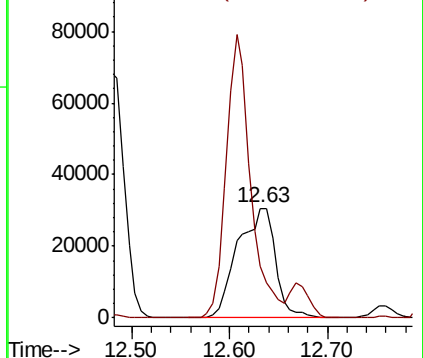
75 100

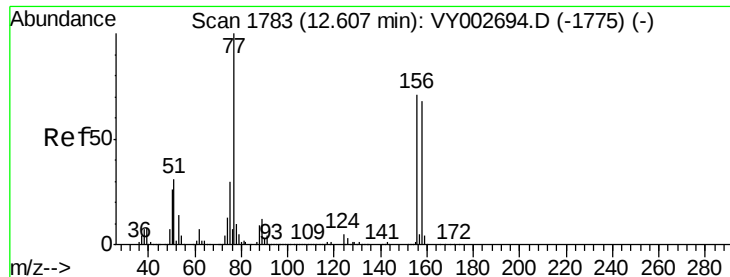
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY002749.D (-1738) (-)

Ion 77.00 (76.70 to 77.70): VY002749.D (-1738) (-)





#77

Bromobenzene

Concen: 20.099 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

Instrument :

MSVOA_Y

ClientSampleId :

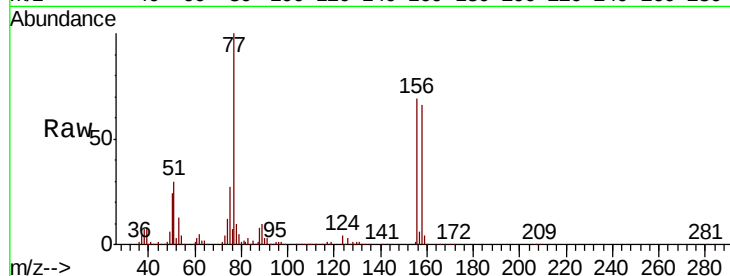
Tot Ion:156 Resp: 84600

Ion Ratio Lower Upper

156 100

77 163.1 80.8 242.3

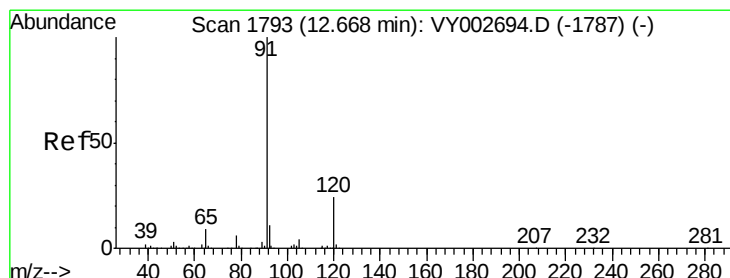
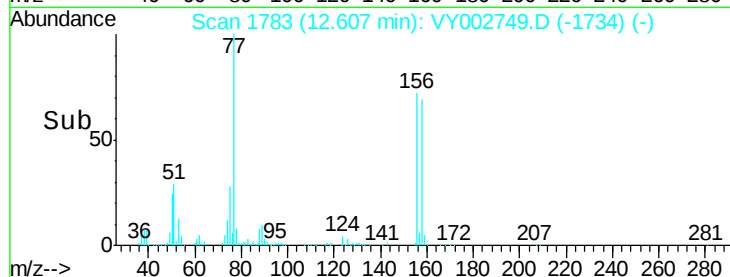
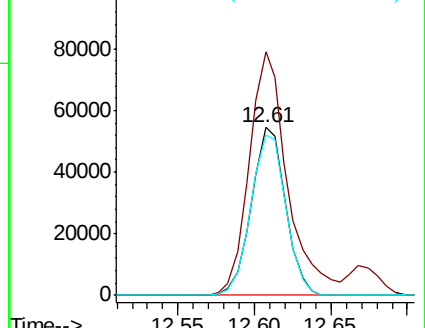
158 98.0 49.0 147.0



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: 20.071 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.01 min

Lab File: VY002749.D

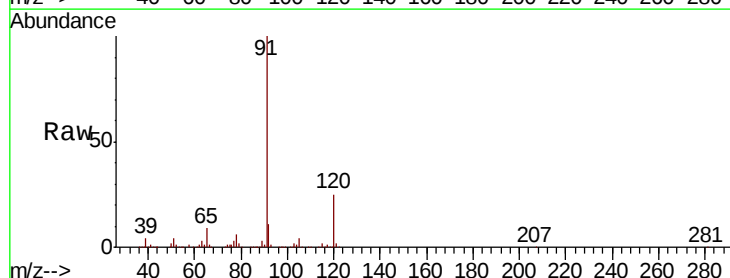
Acq: 22 May 2020 11:09

Tgt Ion: 91 Resp: 393100

Ion Ratio Lower Upper

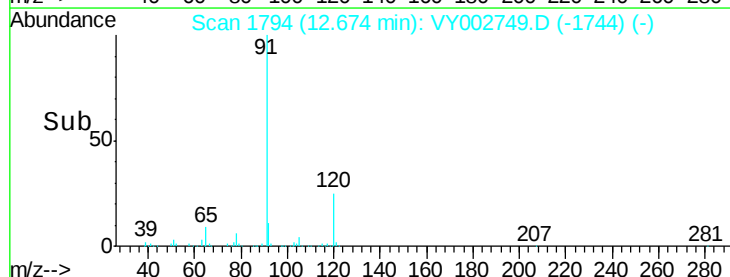
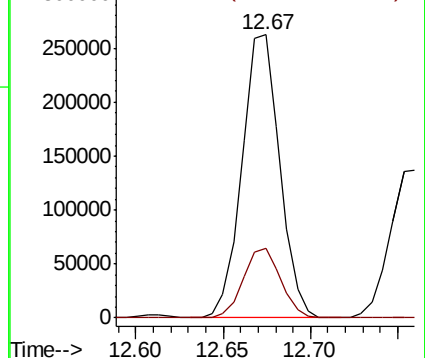
91 100

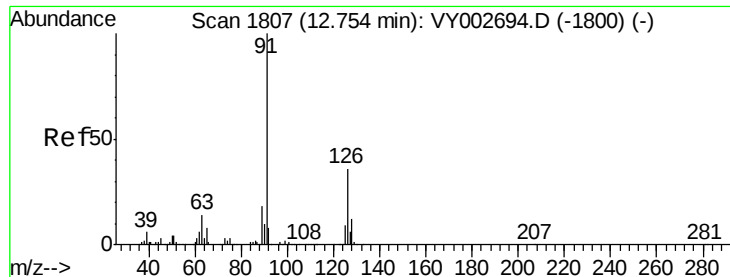
120 24.3 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

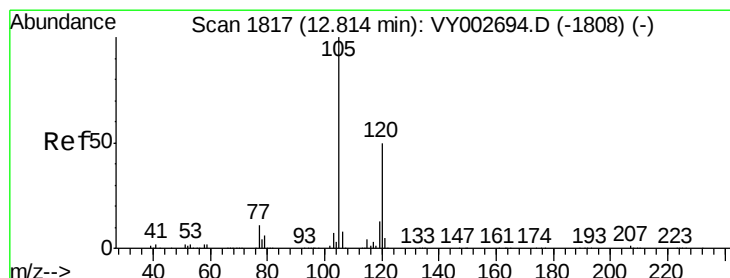
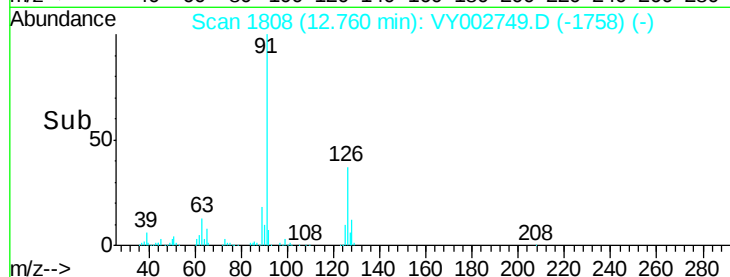
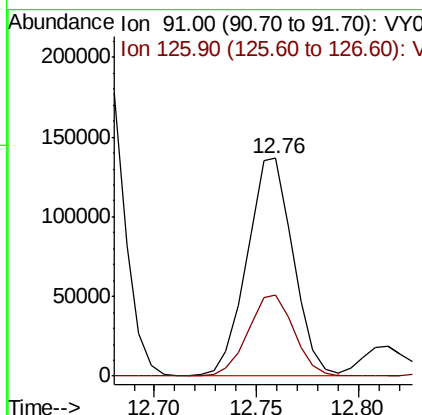
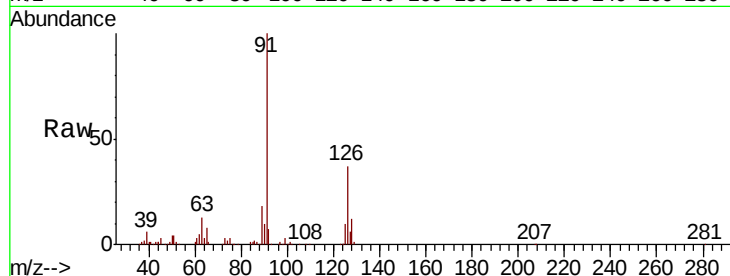




#79
 2-Chlorotoluene
 Concen: 19.850 ug/l
 RT: 12.76 min Scan# 1808
 Delta R.T. 0.01 min
 Lab File: VY002749.D
 Acq: 22 May 2020 11:09

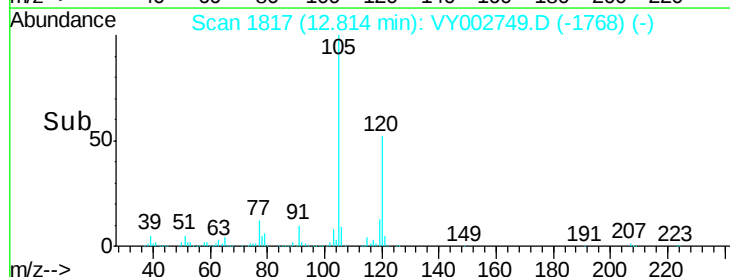
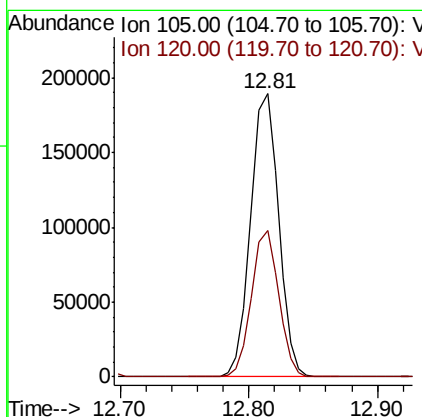
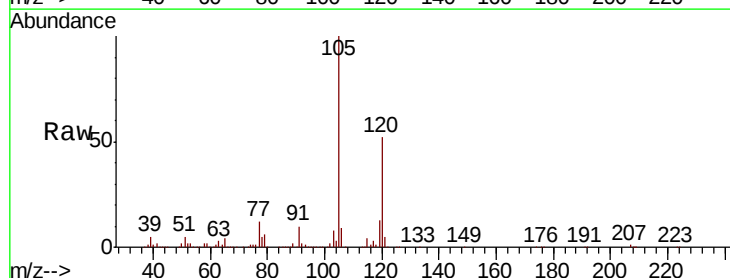
Instrument :
 MSVOA_Y
 ClientSampleId :

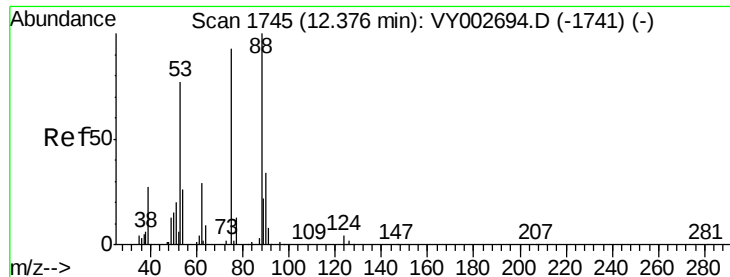
Tot Ion: 91 Resp: 215619
 Ion Ratio Lower Upper
 91 100
 126 36.9 18.4 55.0



#80
 1,3,5-Trimethylbenzene
 Concen: 20.070 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. -0.00 min
 Lab File: VY002749.D
 Acq: 22 May 2020 11:09

Tgt Ion: 105 Resp: 283912
 Ion Ratio Lower Upper
 105 100
 120 50.2 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.957 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

Instrument :

MSVOA_Y

ClientSampleId :

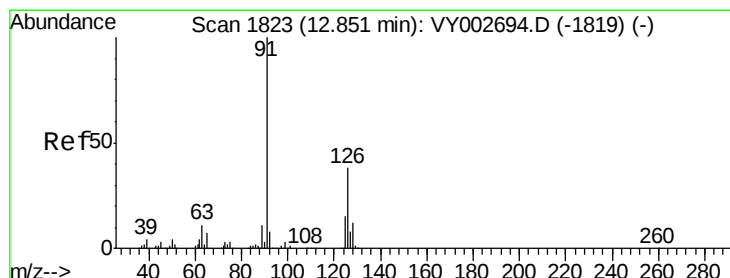
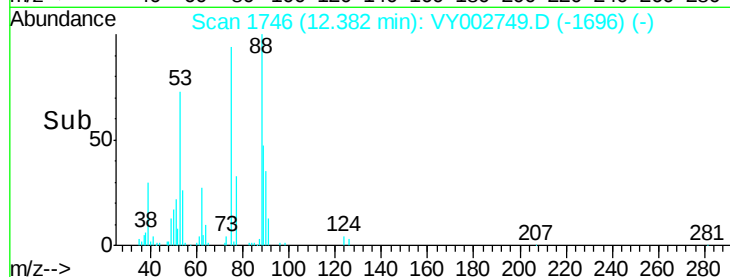
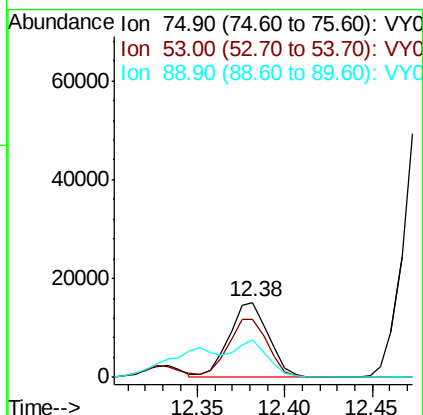
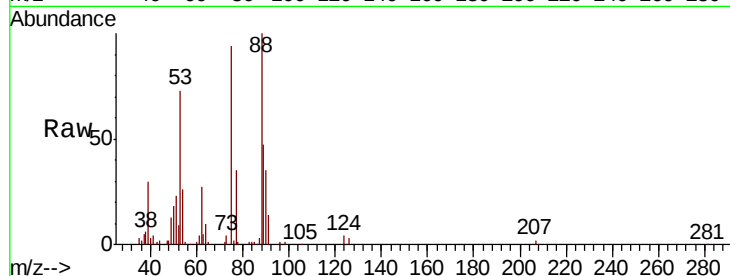
Tot Ion: 75 Resp: 23454

Ion Ratio Lower Upper

75 100

53 79.2 65.0 97.6

89 43.8 66.6 99.8#



#82

4-Chlorotoluene

Concen: 20.156 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VY002749.D

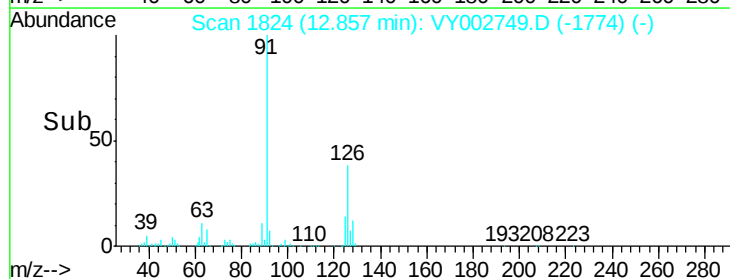
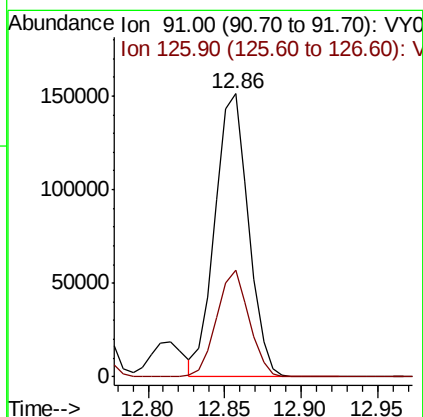
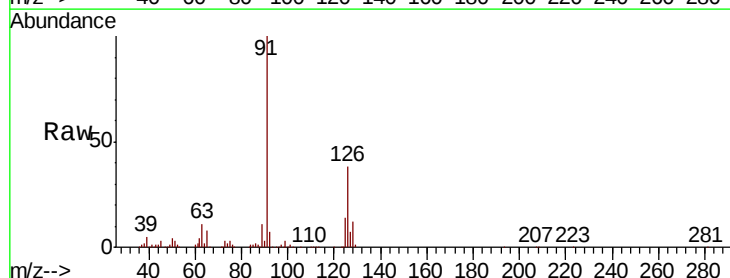
Acq: 22 May 2020 11:09

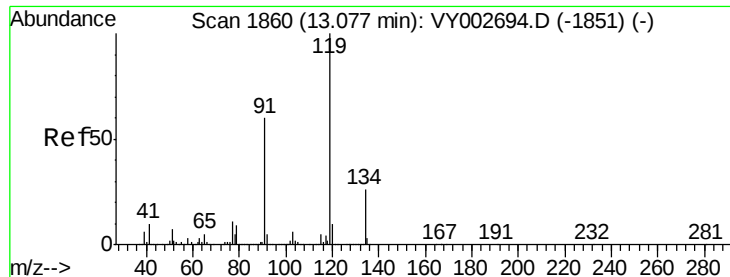
Tgt Ion: 91 Resp: 229348

Ion Ratio Lower Upper

91 100

126 36.6 18.6 56.0

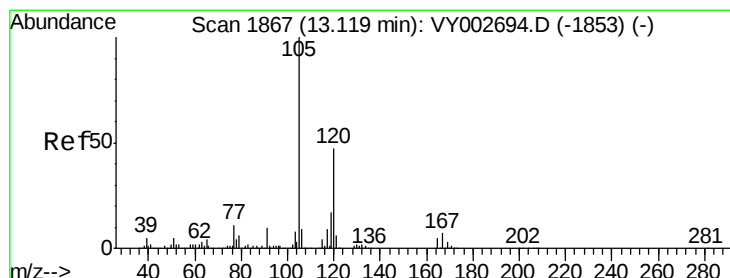
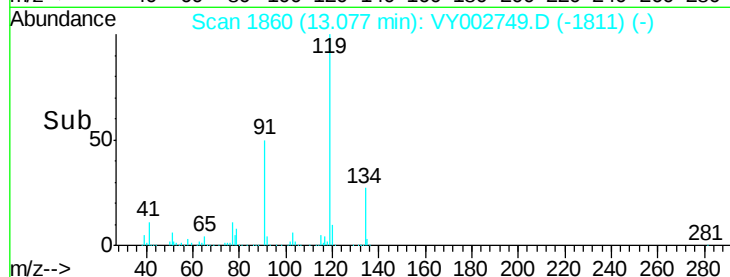
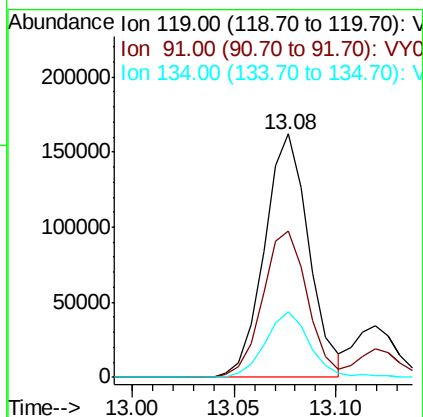
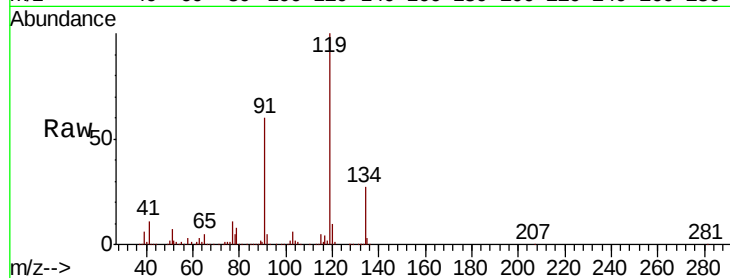




#83
 tert-Butylbenzene
 Concen: 19.680 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VY002749.D
 Acq: 22 May 2020 11:09

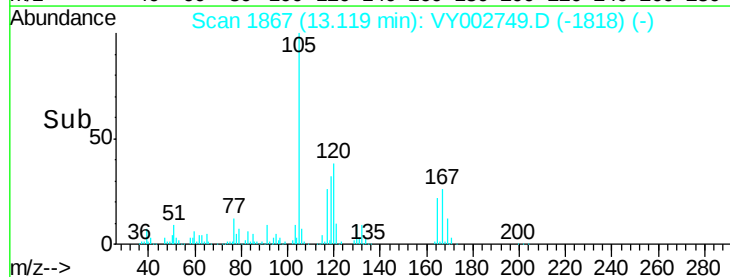
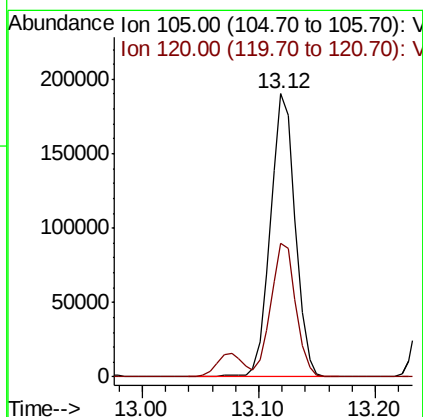
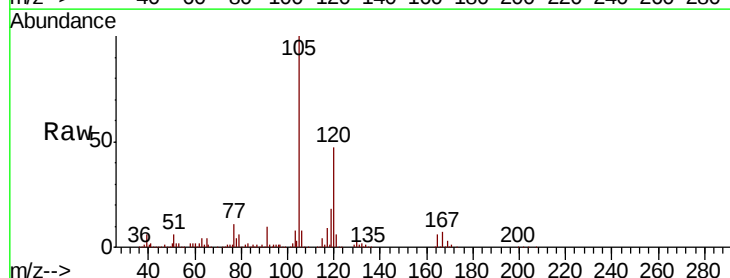
Instrument :
 MSVOA_Y
 ClientSampleId :

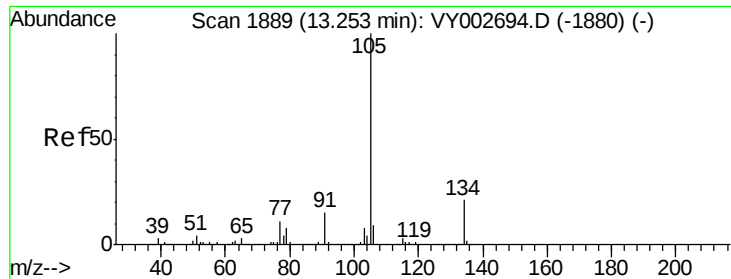
Tot Ion:119 Resp: 246388
 Ion Ratio Lower Upper
 119 100
 91 60.5 30.4 91.2
 134 27.1 13.4 40.2



#84
 1,2,4-Trimethylbenzene
 Concen: 20.003 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY002749.D
 Acq: 22 May 2020 11:09

Tgt Ion:105 Resp: 282797
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.5 70.5





#85

sec-Butylbenzene

Concen: 19.990 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

Instrument :

MSVOA_Y

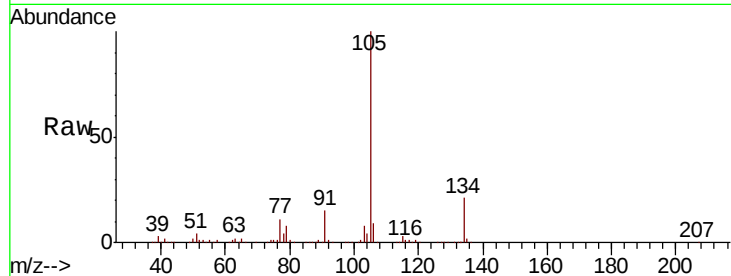
ClientSampleId :

Tot Ion:105 Resp: 345348

Ion Ratio Lower Upper

105 100

134 21.4 10.8 32.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

250000

200000

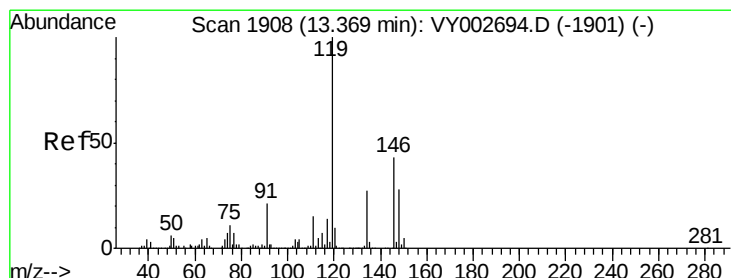
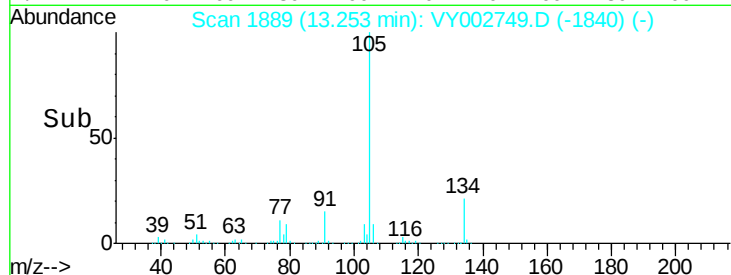
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.903 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

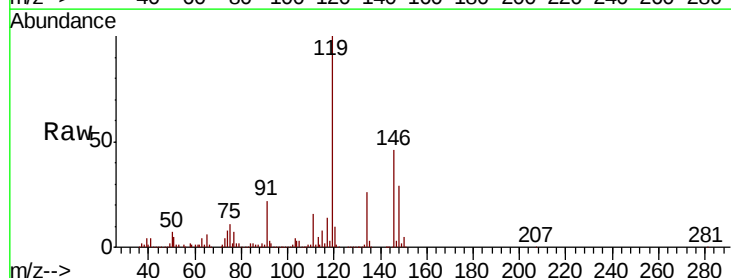
Tgt Ion:119 Resp: 321844

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.5

91 21.1 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

300000

250000

200000

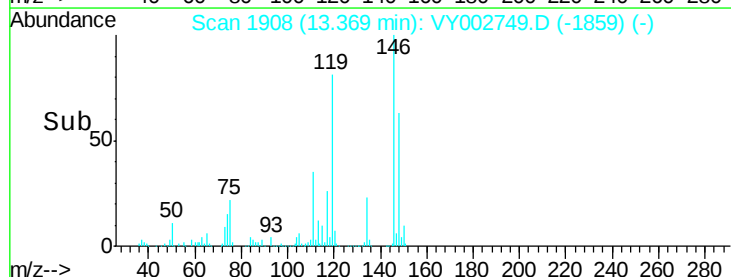
150000

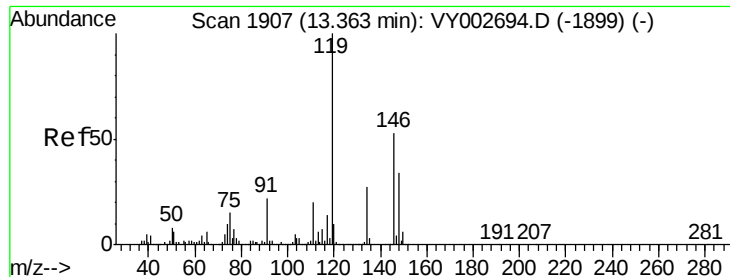
100000

50000

0

Time-->

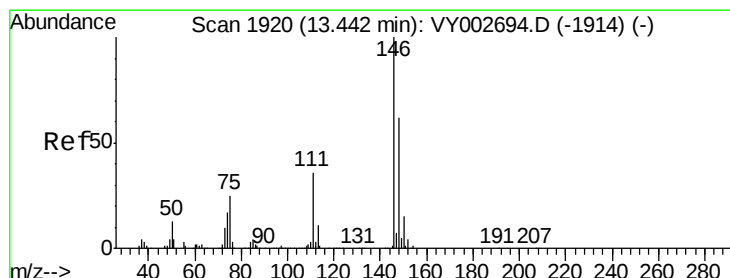
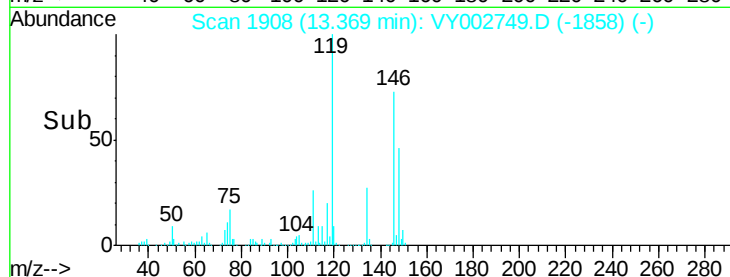
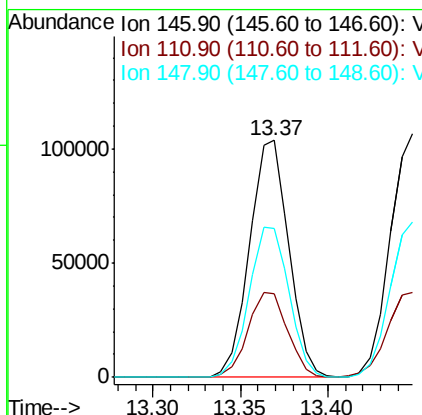
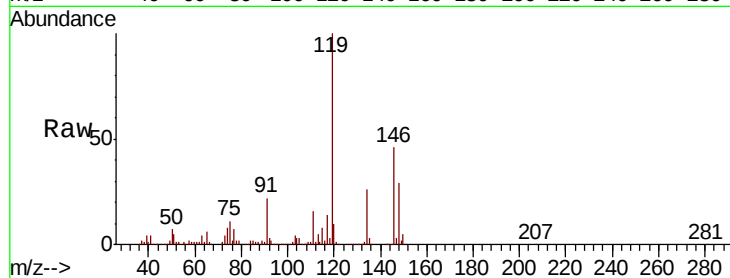




#87
 1,3-Dichlorobenzene
 Concen: 19.900 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VY002749.D
 Acq: 22 May 2020 11:09

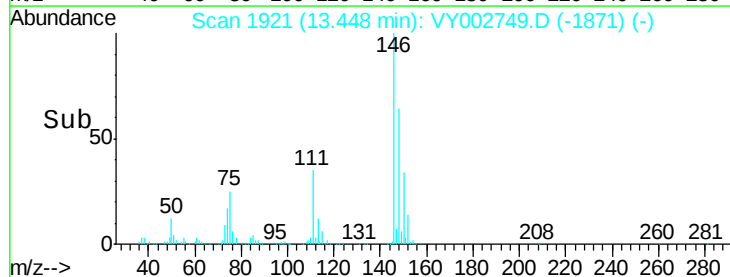
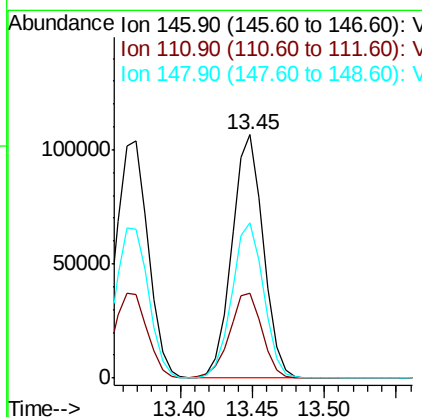
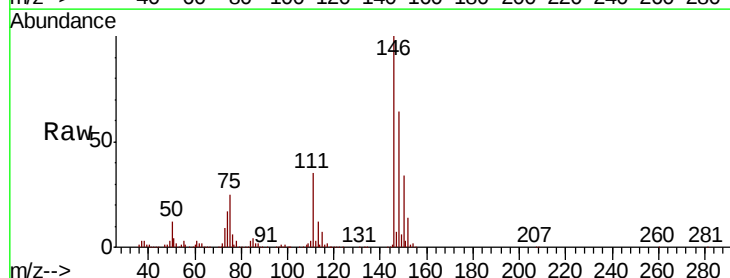
Instrument :
 MSVOA_Y
 ClientSampled :

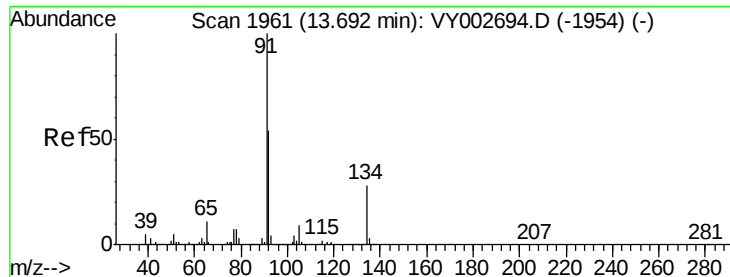
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.5	55.5
148	64.5	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 20.015 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY002749.D
 Acq: 22 May 2020 11:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.1	54.4
148	64.4	31.8	95.3

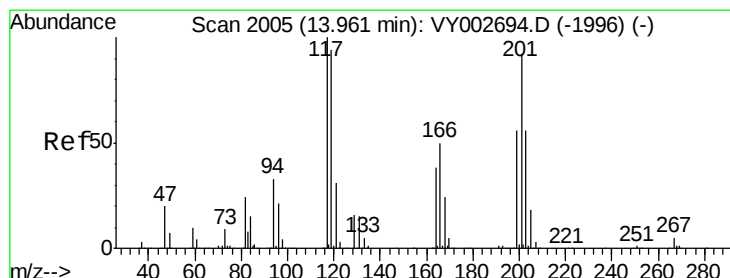
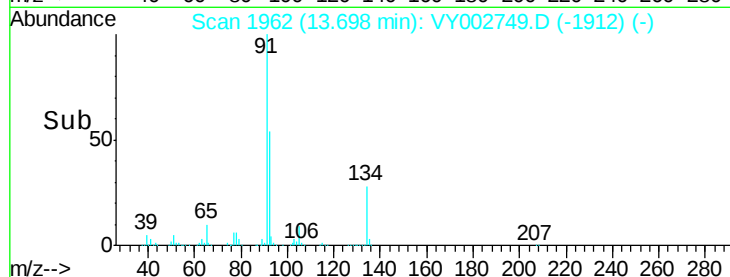
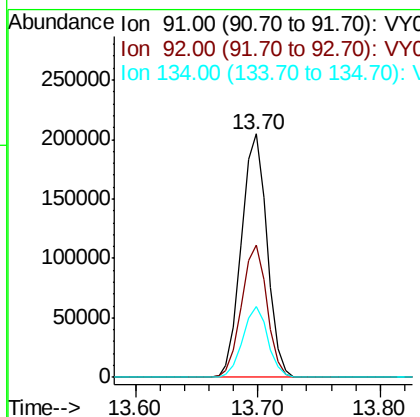
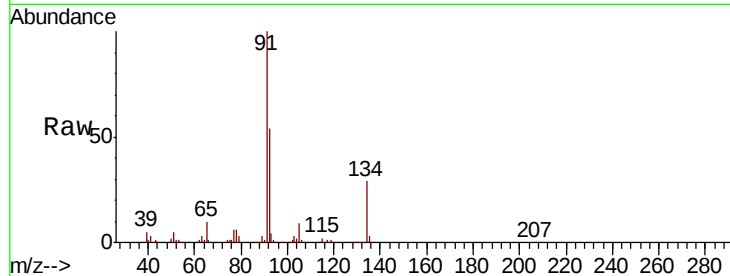




#89
n-Butylbenzene
Concen: 19.972 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY002749.D
Acq: 22 May 2020 11:09

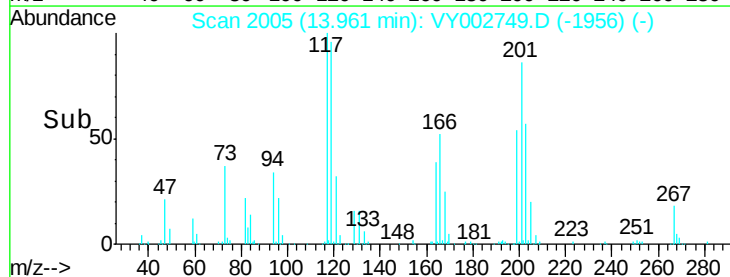
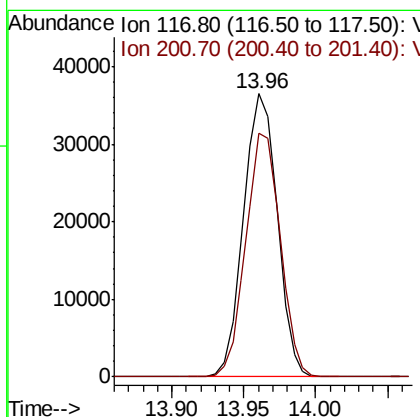
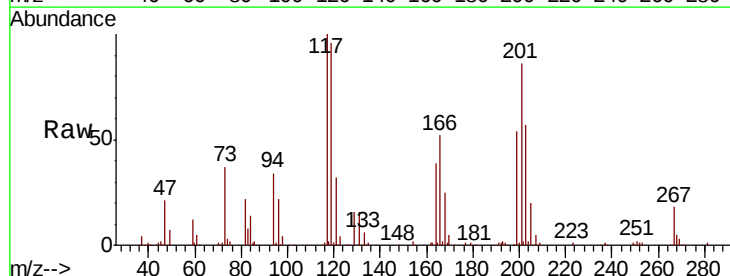
Instrument :
MSVOA_Y
ClientSampleId :

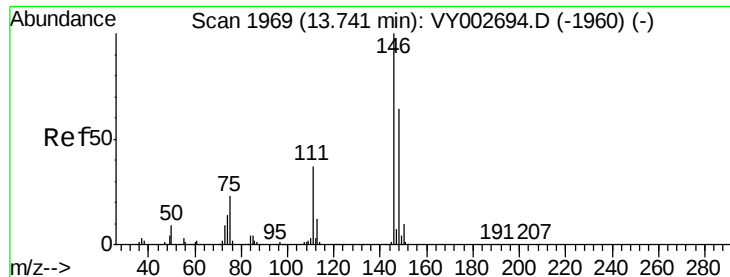
Tot Ion: 91 Resp: 296591
Ion Ratio Lower Upper
91 100
92 53.8 26.8 80.4
134 28.7 14.5 43.5



#90
Hexachloroethane
Concen: 19.797 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY002749.D
Acq: 22 May 2020 11:09

Tgt Ion: 117 Resp: 59293
Ion Ratio Lower Upper
117 100
201 87.8 44.9 134.7





#91

1,2-Dichlorobenzene

Concen: 19.901 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.00 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

Instrument :

MSVOA_Y

ClientSampleId :

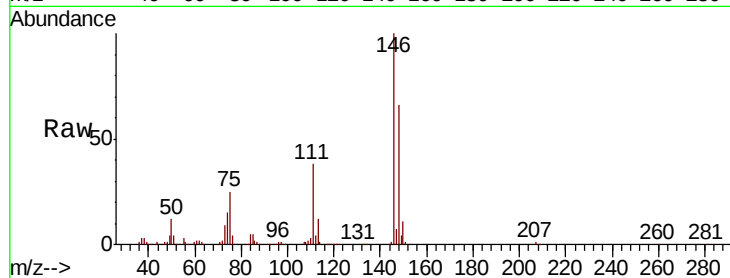
Tot Ion:146 Resp: 144845

Ion Ratio Lower Upper

146 100

111 38.0 19.1 57.1

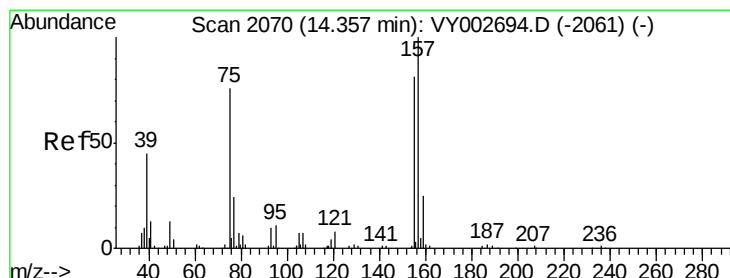
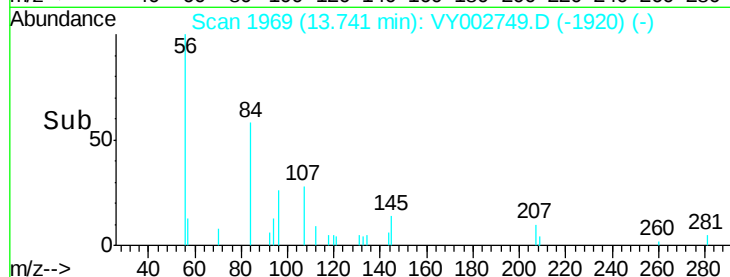
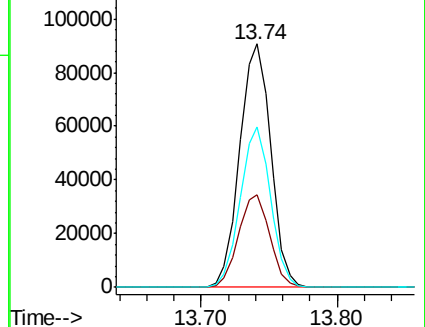
148 64.3 31.9 95.7



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.765 ug/l

RT: 14.36 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

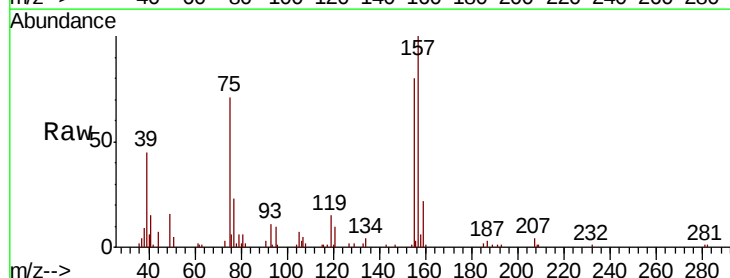
Tgt Ion: 75 Resp: 9872

Ion Ratio Lower Upper

75 100

155 102.2 53.5 160.7

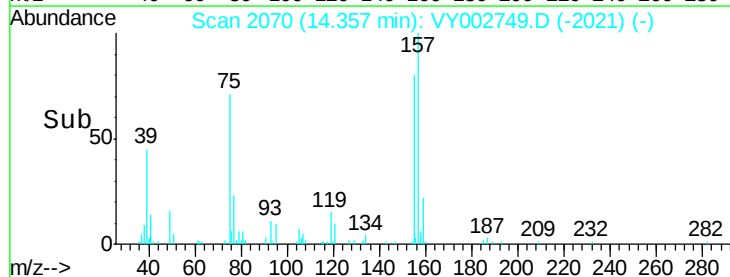
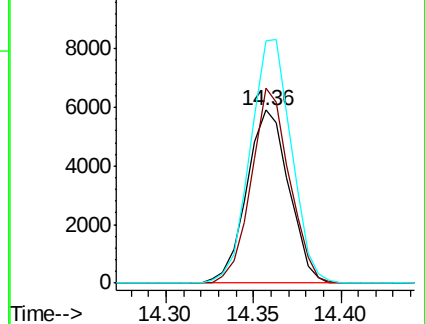
157 137.9 67.9 203.7

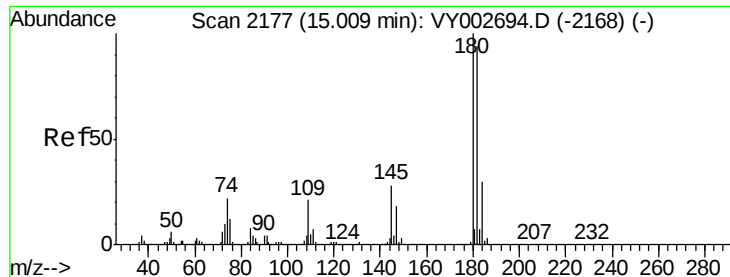


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

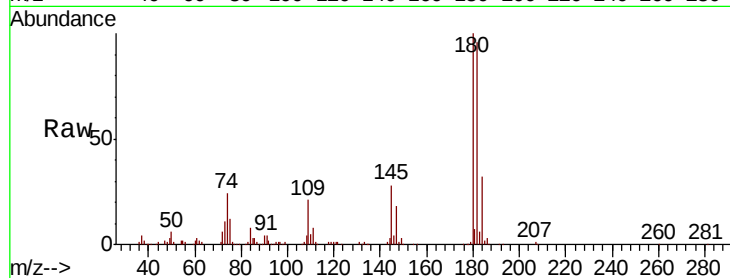




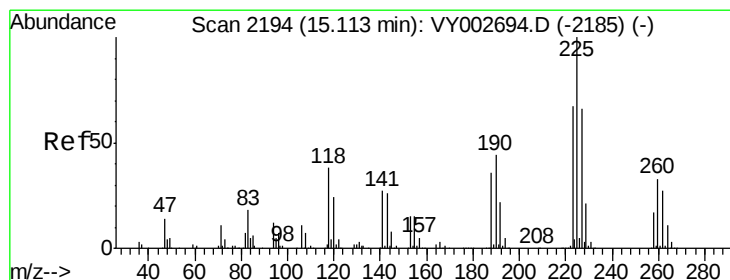
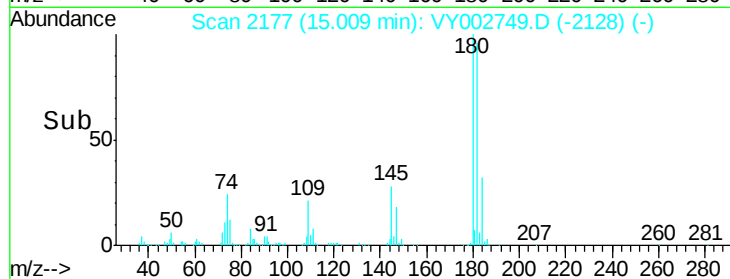
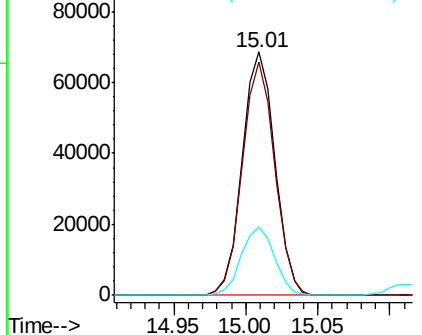
#93
 1,2,4-Trichlorobenzene
 Concen: 18.511 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VY002749.D
 Acq: 22 May 2020 11:09

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.3	142.0
145	28.5	14.1	42.2

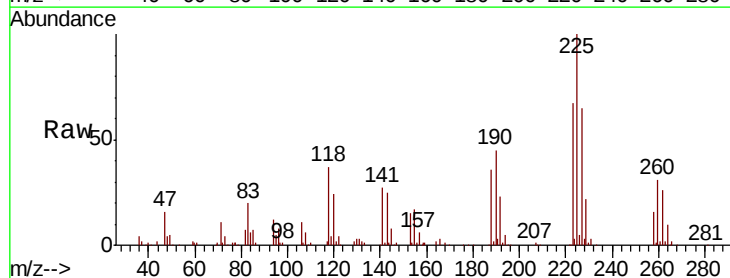


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

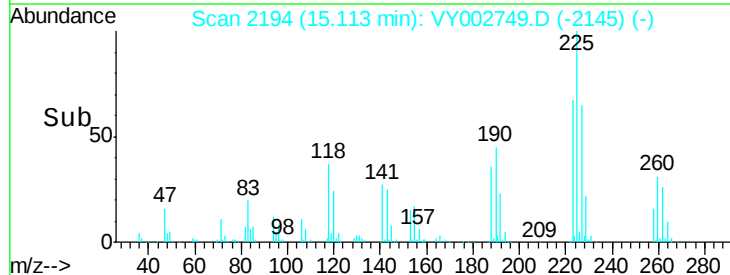
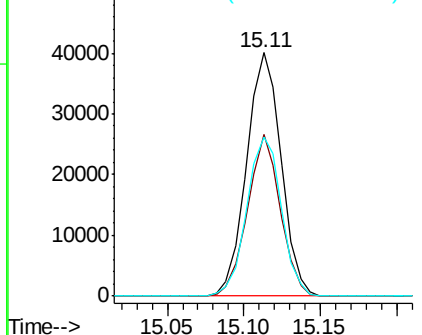


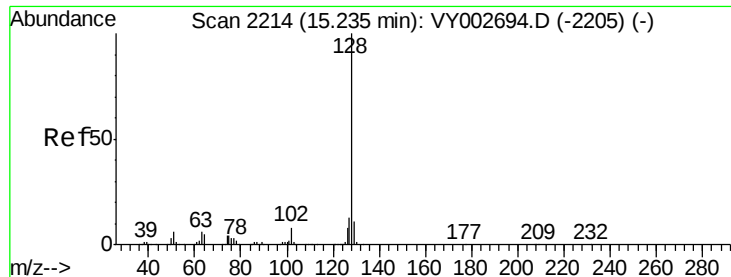
#94
 Hexachlorobutadiene
 Concen: 17.687 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY002749.D
 Acq: 22 May 2020 11:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.6	94.8
227	65.6	32.2	96.6



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





#95

Naphthalene

Concen: 19.385 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

Instrument :

MSVOA_Y

ClientSampleId :

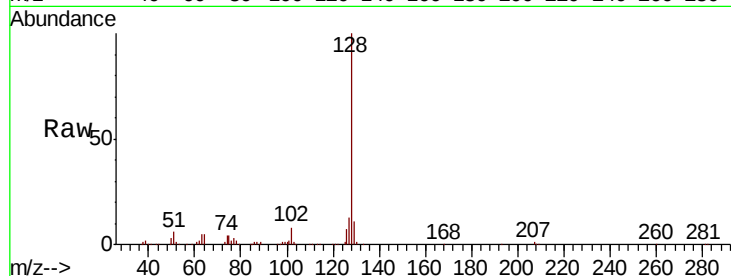
Tot Ion:128 Resp: 194310

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

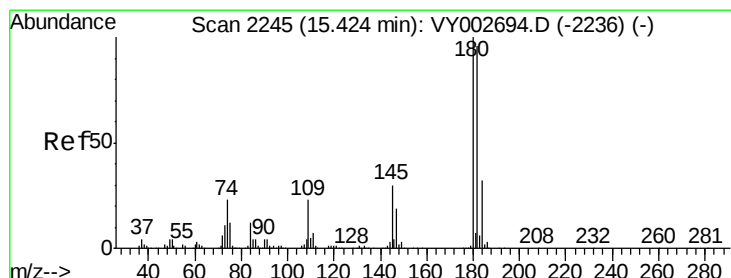
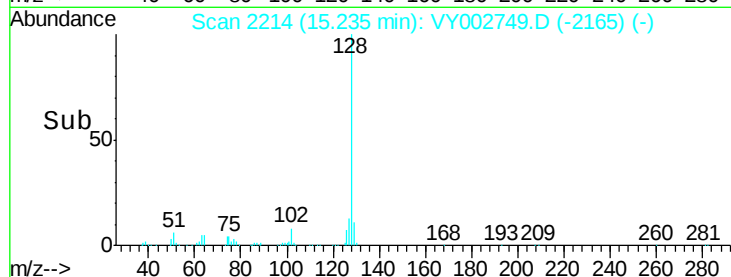
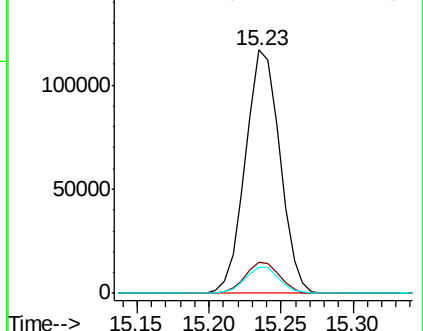
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.936 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VY002749.D

Acq: 22 May 2020 11:09

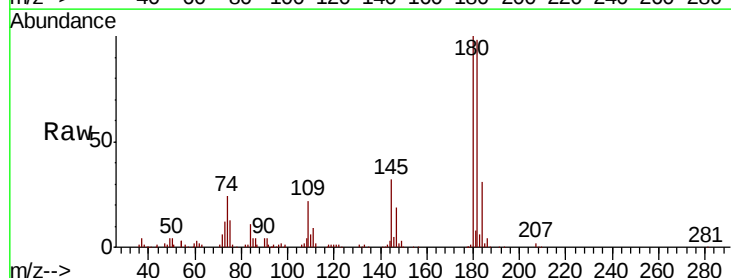
Tgt Ion:180 Resp: 89797

Ion Ratio Lower Upper

180 100

182 97.4 47.6 142.9

145 31.1 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

