

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050620\
 Data File : VY002607.D
 Acq On : 06 May 2020 12:04
 Operator : SY/MD
 Sample : L2182-01 4PPBLOD
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 06 12:58:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 12:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	379539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	561986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	511776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	269070	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	170769	53.51	ug/l	0.00
Spiked Amount			Recovery	=	107.02%	
35) Dibromofluoromethane	7.74	113	179557	55.87	ug/l	0.00
Spiked Amount			Recovery	=	111.74%	
50) Toluene-d8	10.19	98	697877	55.60	ug/l	0.00
Spiked Amount			Recovery	=	111.20%	
62) 4-Bromofluorobenzene	12.49	95	240320	56.43	ug/l	0.00
Spiked Amount			Recovery	=	112.86%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	11744	4.074	ug/l 93
3) Chloromethane	2.13	50	13663	4.443	ug/l 93
4) Vinyl Chloride	2.27	62	15557	4.381	ug/l 99
5) Bromomethane	2.66	94	11079	4.525	ug/l 100
6) Chloroethane	2.82	64	9261	4.368	ug/l 97
7) Trichlorofluoromethane	3.15	101	22946	4.170	ug/l 99
8) Diethyl Ether	3.55	74	8490	4.591	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.93	101	14694	4.369	ug/l 99
10) Methyl Iodide	4.12	142	17736	3.871	ug/l 96
11) Tert butyl alcohol	4.99	59	8123	24.741	ug/l # 91
12) 1,1-Dichloroethene	3.90	96	14379	4.401	ug/l 99
13) Acrolein	3.76	56	3910	17.222	ug/l 96
14) Allyl chloride	4.51	41	20506	4.308	ug/l 98
15) Acrylonitrile	5.20	53	18464	21.172	ug/l 100
16) Acetone	3.97	43	13966	21.206	ug/l 96
17) Carbon Disulfide	4.22	76	42165	4.290	ug/l 98
18) Methyl Acetate	4.51	43	11649	5.294	ug/l 98
19) Methyl tert-butyl Ether	5.26	73	35864	4.207	ug/l # 89
20) Methylene Chloride	4.76	84	18825	5.111	ug/l 91
21) trans-1,2-Dichloroethene	5.25	96	16305	4.566	ug/l 93
22) Diisopropyl ether	6.15	45	42505	4.413	ug/l 94
23) Vinyl Acetate	6.10	43	121004	19.975	ug/l 97
24) 1,1-Dichloroethane	6.05	63	24500	4.299	ug/l 97
25) 2-Butanone	7.02	43	23037	21.368	ug/l 98
26) 2,2-Dichloropropane	7.01	77	23924	4.417	ug/l 97
27) cis-1,2-Dichloroethene	7.01	96	17457	4.418	ug/l 98
28) Bromochloromethane	7.36	49	10406	4.457	ug/l 98
29) Tetrahydrofuran	7.38	42	15714	22.031	ug/l 98
30) Chloroform	7.53	83	26129	4.410	ug/l 95
31) Cyclohexane	7.81	56	29178	5.087	ug/l # 80
32) 1,1,1-Trichloroethane	7.72	97	22985	4.174	ug/l 99
36) 1,1-Dichloropropene	7.94	75	20667	4.387	ug/l 98
37) Ethyl Acetate	7.10	43	11115	4.591	ug/l 99
38) Carbon Tetrachloride	7.93	117	21201	4.122	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	26850	4.315	ug/l	98
40) Benzene	8.18	78	59776	4.393	ug/l	100
41) Methacrylonitrile	7.38	41	14416	11.075	ug/l #	1
42) 1,2-Dichloroethane	8.26	62	17182	4.502	ug/l	99
43) Isopropyl Acetate	8.29	43	18993	4.185	ug/l	97
44) Trichloroethene	8.96	130	19125	4.497	ug/l	88
45) 1,2-Dichloropropane	9.24	63	13989	4.260	ug/l	98
46) Dibromomethane	9.32	93	8163	4.320	ug/l	96
47) Bromodichloromethane	9.52	83	18948	4.124	ug/l	97
48) Methyl methacrylate	9.31	41	8714	4.242	ug/l	94
49) 1,4-Dioxane	9.32	88	2271	90.778	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	50492	21.584	ug/l	100
52) Toluene	10.25	92	38052	4.351	ug/l	98
53) t-1,3-Dichloropropene	10.48	75	20113	4.178	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	23282	4.184	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	11773	4.273	ug/l	96
56) Ethyl methacrylate	10.52	69	14697	4.010	ug/l	94
57) 1,3-Dichloropropane	10.80	76	20018	4.284	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.80	63	43217	22.357	ug/l	100
59) 2-Hexanone	10.85	43	33324	20.697	ug/l	98
60) Dibromochloromethane	11.00	129	14395	4.108	ug/l	100
61) 1,2-Dibromoethane	11.10	107	11740	4.303	ug/l	99
64) Tetrachloroethene	10.73	164	21874	4.811	ug/l	98
65) Chlorobenzene	11.53	112	41943	4.311	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	15168	4.200	ug/l	99
67) Ethyl Benzene	11.60	91	72805	4.260	ug/l	97
68) m/p-Xylenes	11.71	106	55408	8.380	ug/l	96
69) o-Xylene	12.04	106	26007	4.201	ug/l	99
70) Styrene	12.05	104	43504	4.110	ug/l	99
71) Bromoform	12.22	173	9313	4.155	ug/l #	100
73) Isopropylbenzene	12.34	105	73798	4.232	ug/l	99
74) N-amyl acetate	12.16	43	17267	4.116	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.60	83	10742	3.873	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	17645	7.379	ug/l #	100
77) Bromobenzene	12.62	156	18475	4.241	ug/l	100
78) n-propylbenzene	12.68	91	85582	4.229	ug/l	100
79) 2-Chlorotoluene	12.77	91	48073	4.289	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	59583	4.122	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	4869	4.083	ug/l	94
82) 4-Chlorotoluene	12.86	91	49608	4.213	ug/l	99
83) tert-Butylbenzene	13.08	119	54482	4.299	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	60943	4.230	ug/l	100
85) sec-Butylbenzene	13.27	105	74818	4.254	ug/l	100
86) p-Isopropyltoluene	13.38	119	69710	4.230	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	35453	4.299	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	35510	4.349	ug/l	92
89) n-Butylbenzene	13.70	91	64397	4.293	ug/l	98
90) Hexachloroethane	13.97	117	12405	4.134	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	32052	4.356	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	2285	4.420	ug/l	90

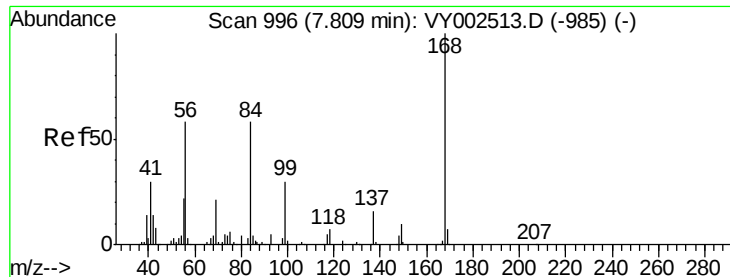
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	23337	4.369	ug/l	98
94) Hexachlorobutadiene	15.13	225	14413	4.495	ug/l	97
95) Naphthalene	15.25	128	42253	4.336	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	19803	4.367	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

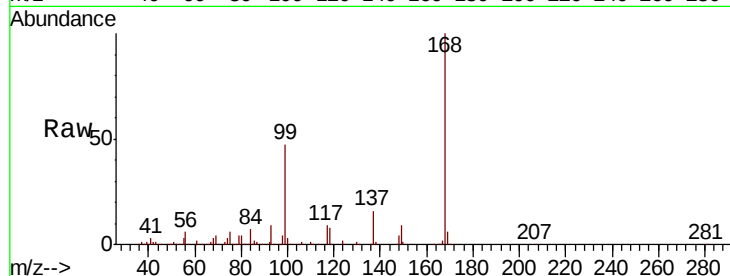
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 379539

Ion Ratio Lower Upper

168 100

99 47.3 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002607.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002607.D (-947) (-)

7.82

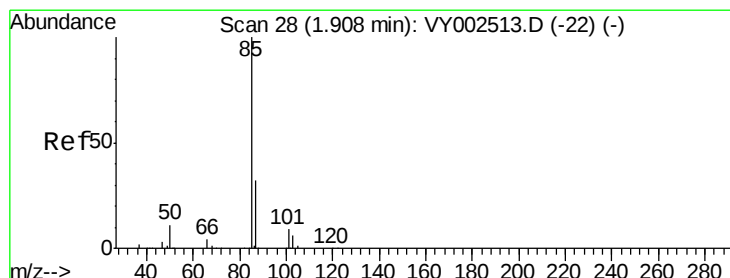
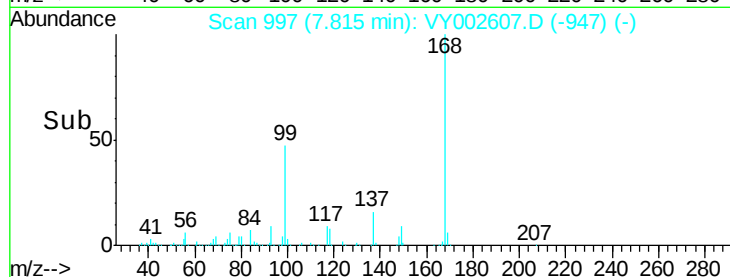
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.074 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002607.D

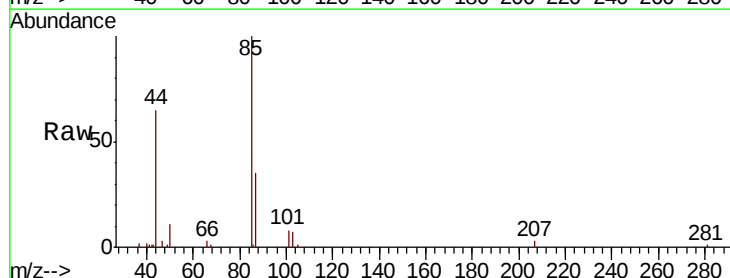
Acq: 06 May 2020 12:04

Tgt Ion: 85 Resp: 11744

Ion Ratio Lower Upper

85 100

87 35.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002607.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002607.D (-1) (-)

1.91

8000

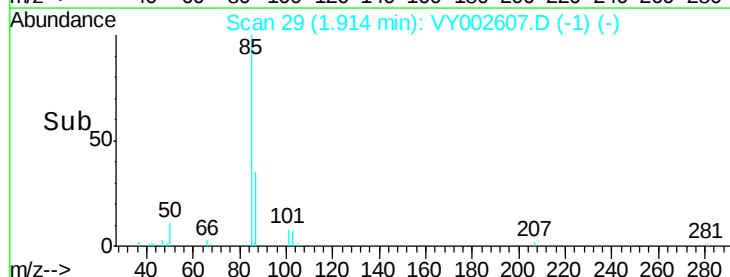
6000

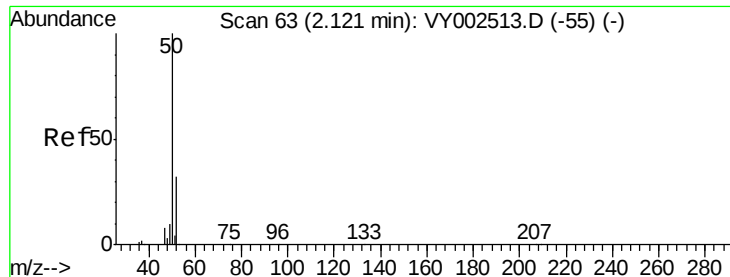
4000

2000

0

Time-->





#3

Chloromethane

Concen: 4.443 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

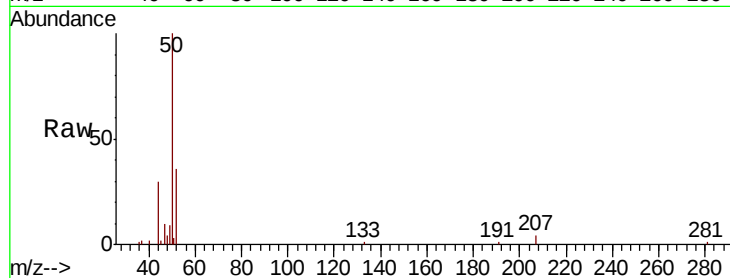
ClientSampleId :

Tot Ion: 50 Resp: 13663

Ion Ratio Lower Upper

50 100

52 36.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.13

10000

8000

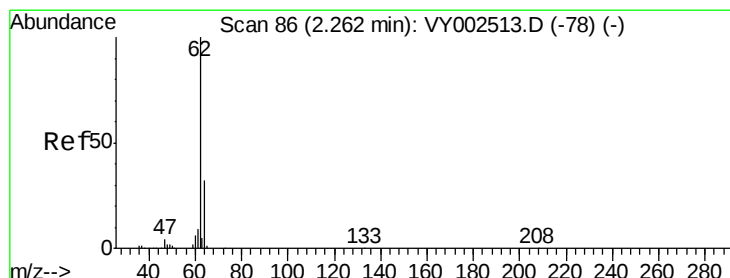
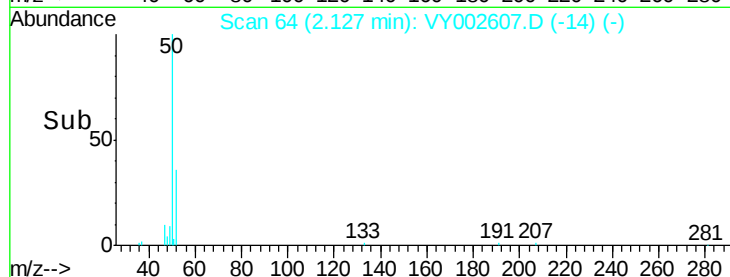
6000

4000

2000

0

Time--> 2.05 2.10 2.15 2.20



#4

Vinyl Chloride

Concen: 4.381 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY002607.D

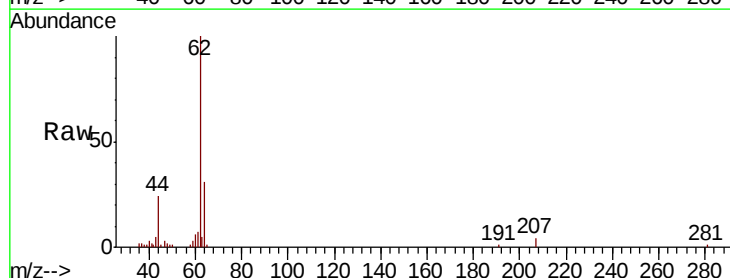
Acq: 06 May 2020 12:04

Tgt Ion: 62 Resp: 15557

Ion Ratio Lower Upper

62 100

64 31.3 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.27

10000

8000

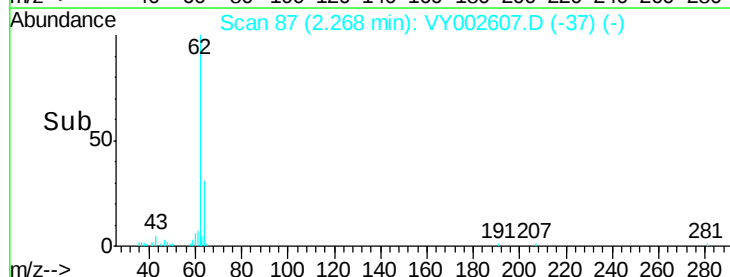
6000

4000

2000

0

Time--> 2.20 2.25 2.30 2.35





#5

Bromomethane

Concen: 4.525 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

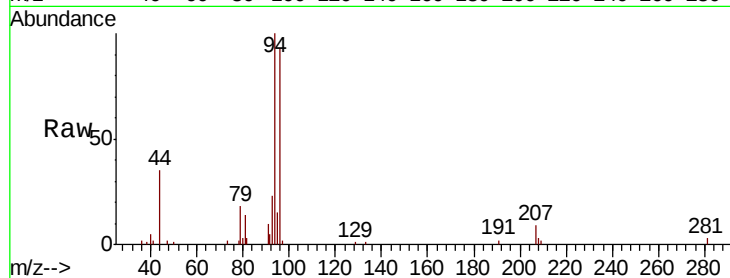
ClientSampled :

Tot Ion: 94 Resp: 11079

Ion Ratio Lower Upper

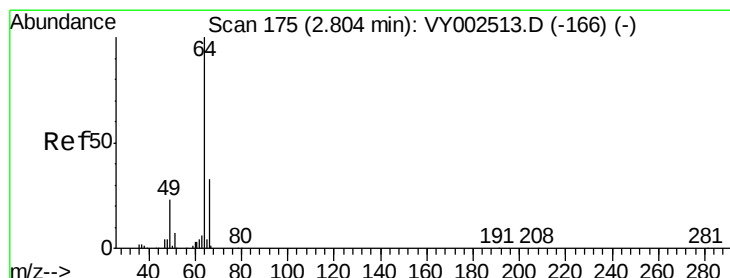
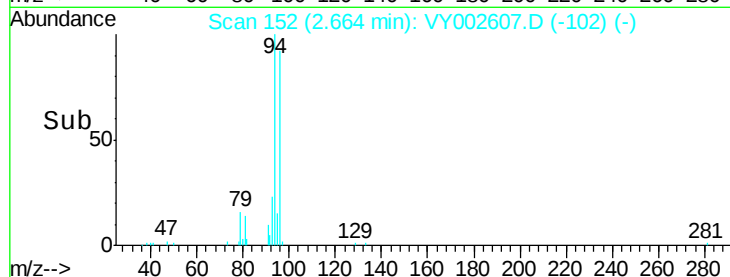
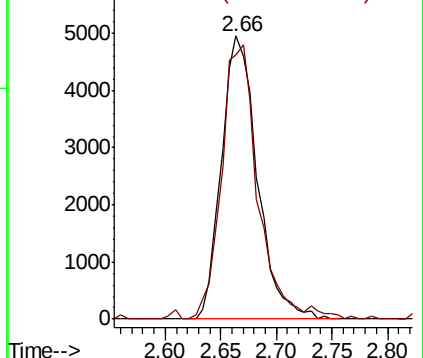
94 100

96 93.5 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 4.368 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY002607.D

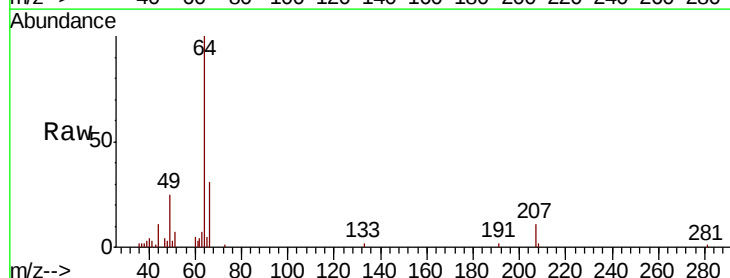
Acq: 06 May 2020 12:04

Tgt Ion: 64 Resp: 9261

Ion Ratio Lower Upper

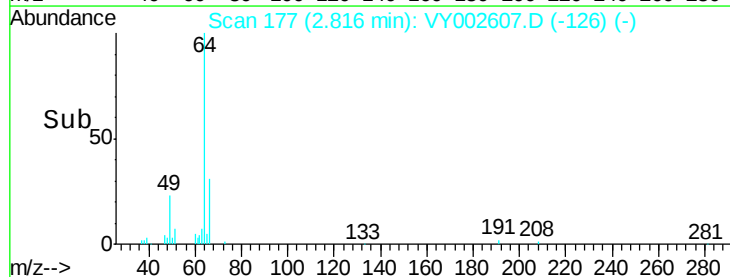
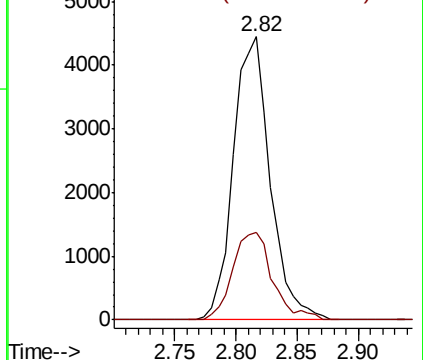
64 100

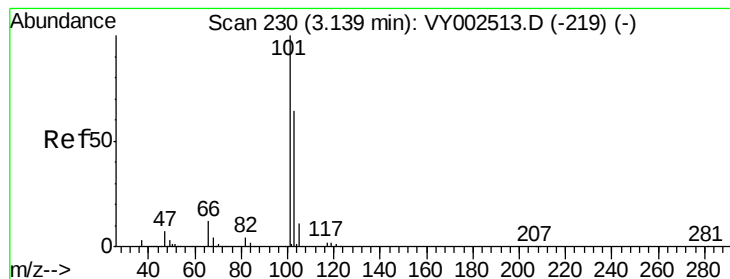
66 31.0 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



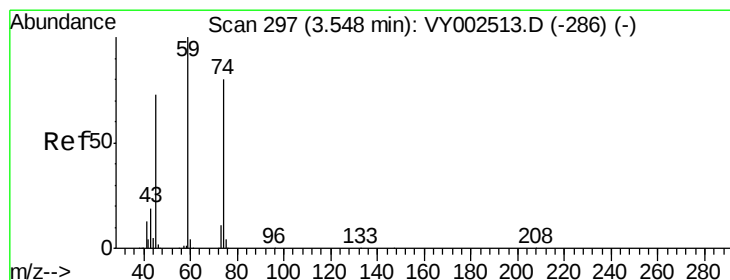
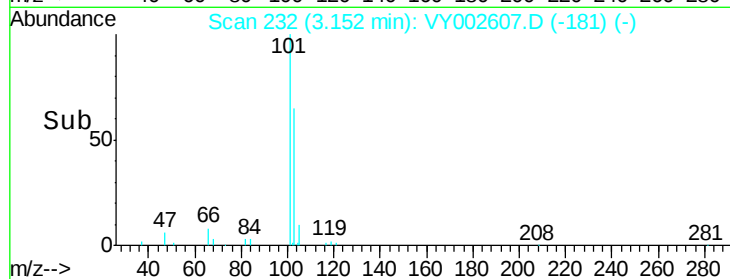
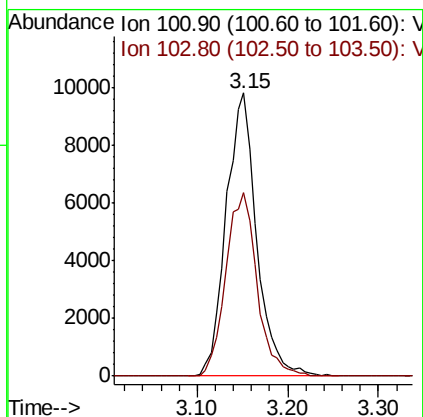
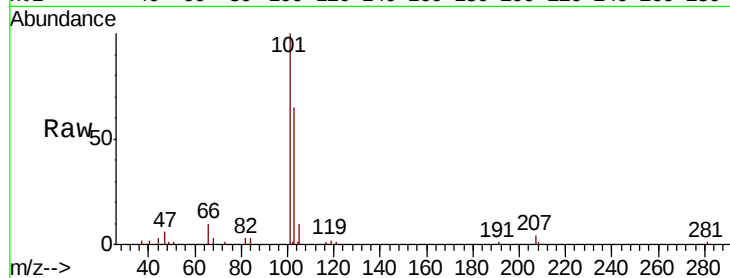


#7

Trichlorofluoromethane
Concen: 4.170 ug/l
RT: 3.15 min Scan# 232
Delta R.T. 0.01 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Instrument :
MSVOA_Y
ClientSampled :

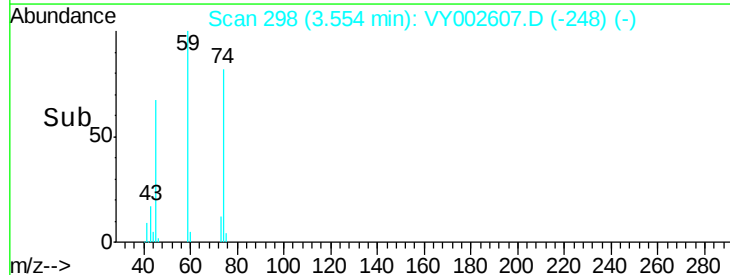
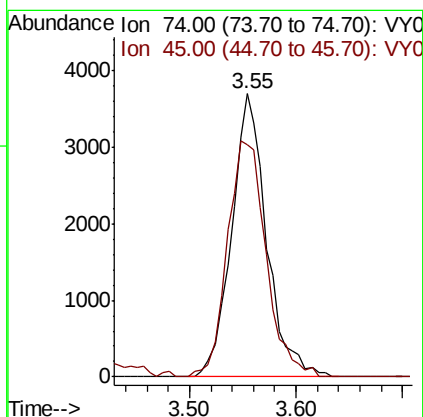
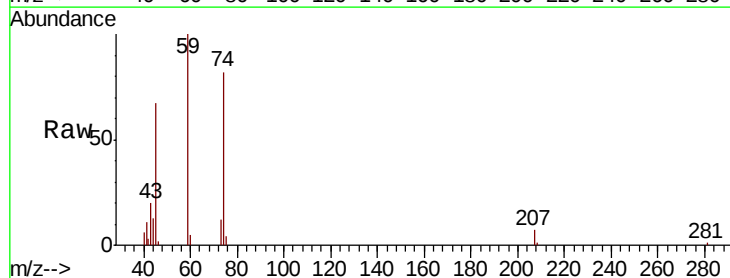
Tot Ion:101 Resp: 22946
Ion Ratio Lower Upper
101 100
103 64.8 51.4 77.0

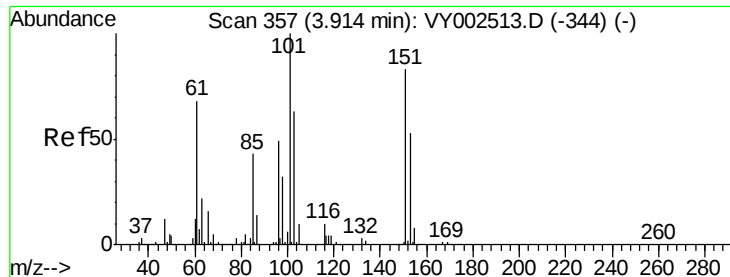


#8

Diethyl Ether
Concen: 4.591 ug/l
RT: 3.55 min Scan# 298
Delta R.T. 0.01 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tgt Ion: 74 Resp: 8490
Ion Ratio Lower Upper
74 100
45 92.6 46.2 138.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.369 ug/l

RT: 3.93 min Scan# 359

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

ClientSampleId :

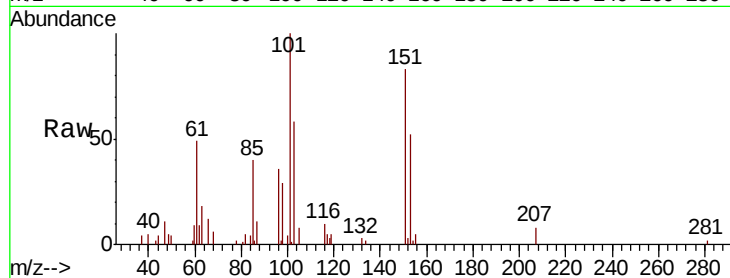
Tot Ion:101 Resp: 14694

Ion Ratio Lower Upper

101 100

85 40.9 33.4 50.2

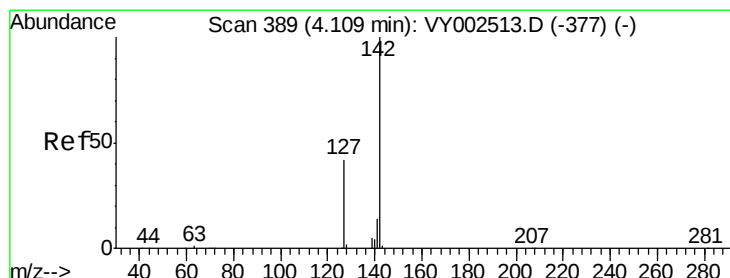
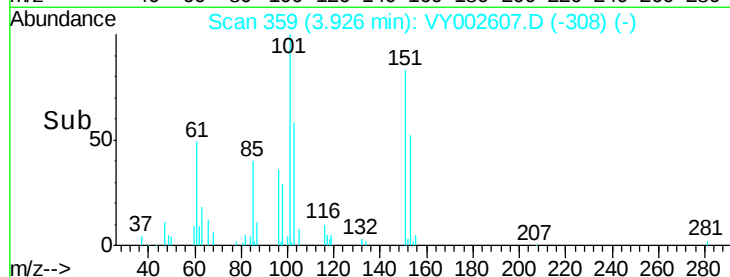
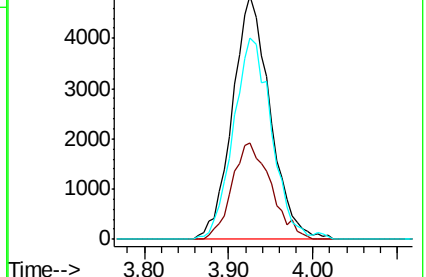
151 83.6 66.8 100.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 3.871 ug/l

RT: 4.12 min Scan# 391

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

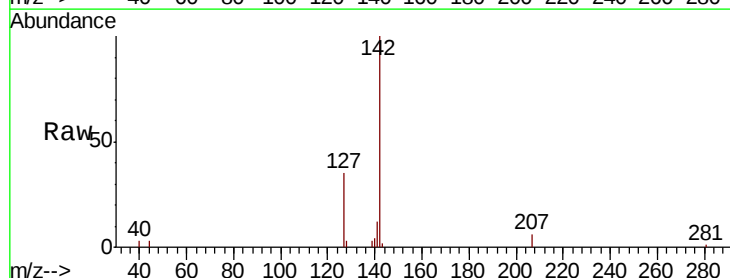
Tgt Ion:142 Resp: 17736

Ion Ratio Lower Upper

142 100

127 39.2 33.7 50.5

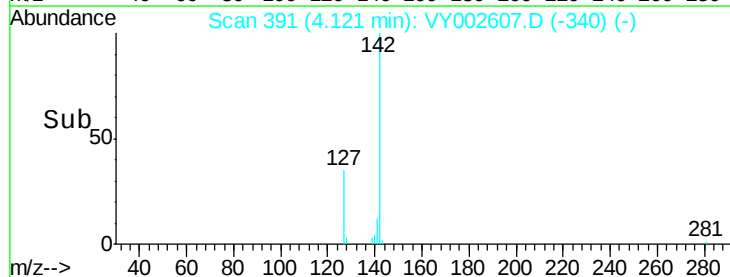
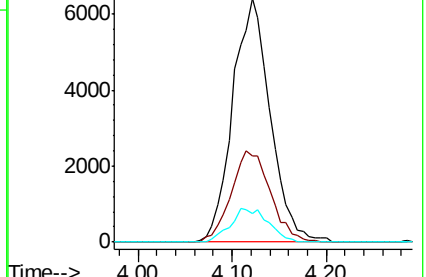
141 13.9 11.4 17.0



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



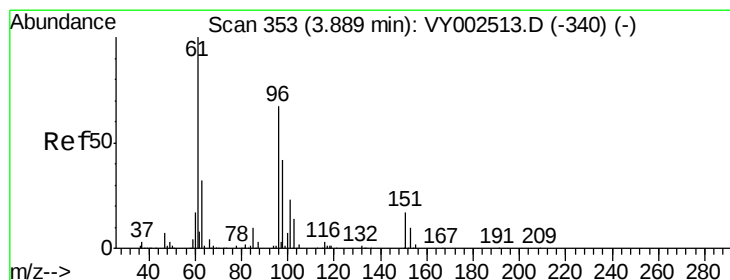
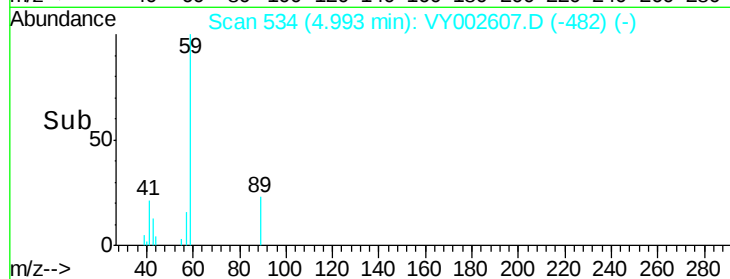
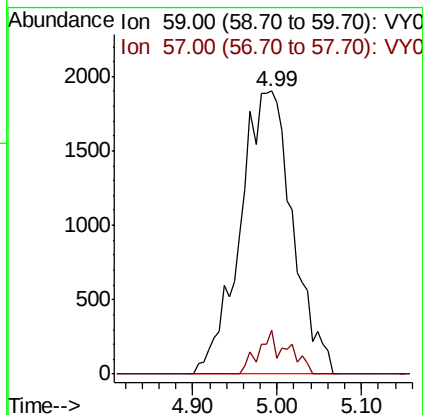
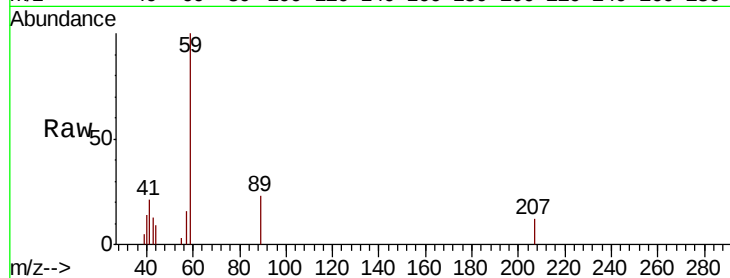


#11

Tert butyl alcohol
Concen: 24.741 ug/l
RT: 4.99 min Scan# 534
Delta R.T. 0.02 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Instrument :
MSVOA_Y
ClientSampled :

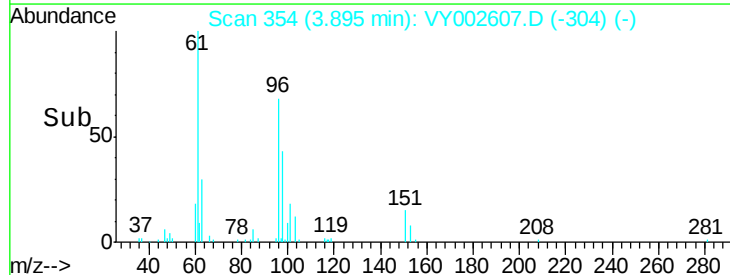
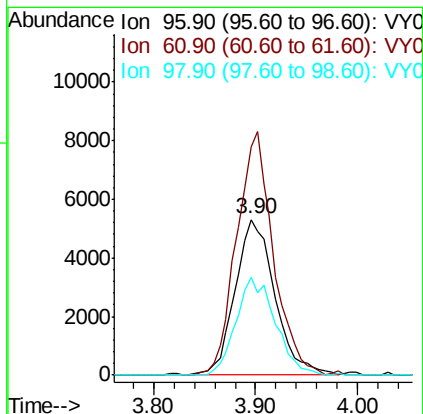
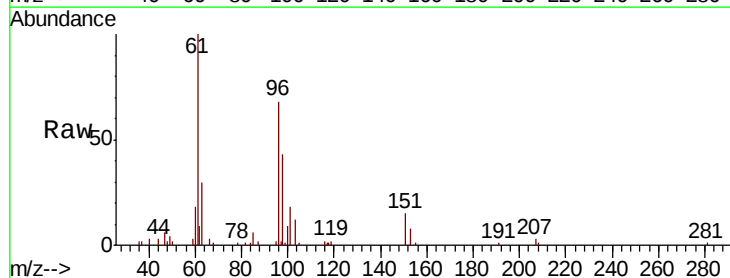
Tot Ion: 59 Resp: 8123
Ion Ratio Lower Upper
59 100
57 6.5 7.8 11.6#

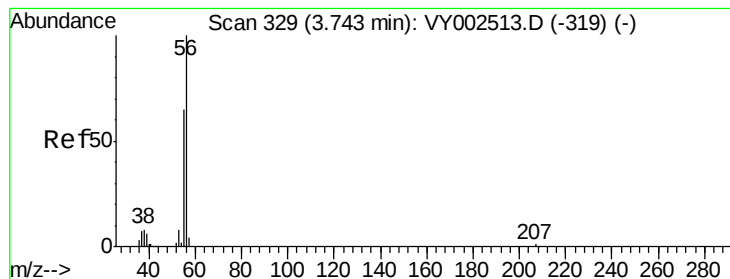


#12

1,1-Dichloroethene
Concen: 4.401 ug/l
RT: 3.90 min Scan# 354
Delta R.T. 0.01 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tgt Ion: 96 Resp: 14379
Ion Ratio Lower Upper
96 100
61 146.8 118.8 178.2
98 62.7 49.6 74.4





#13

Acrolein

Concen: 17.222 ug/l

RT: 3.76 min Scan# 331

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

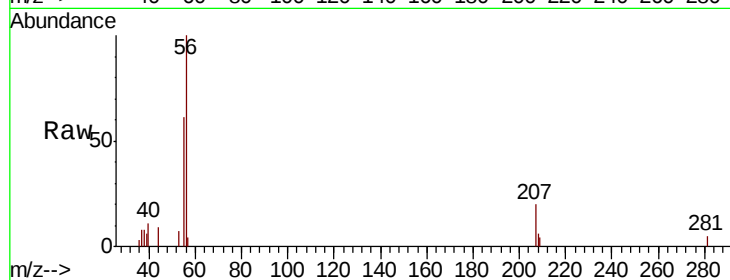
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 3910

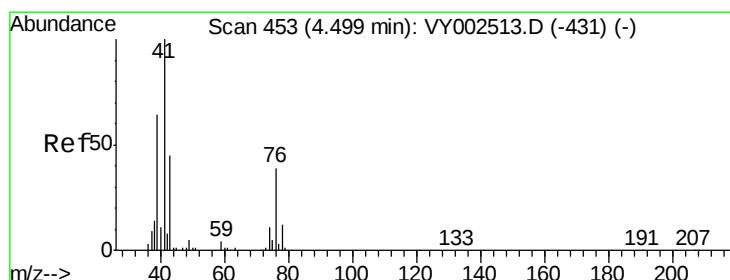
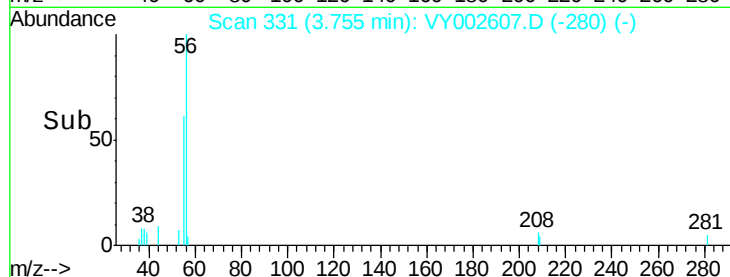
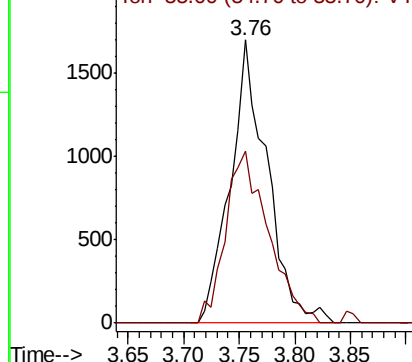
Ion Ratio Lower Upper

56 100

55 70.5 53.8 80.6



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 4.308 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

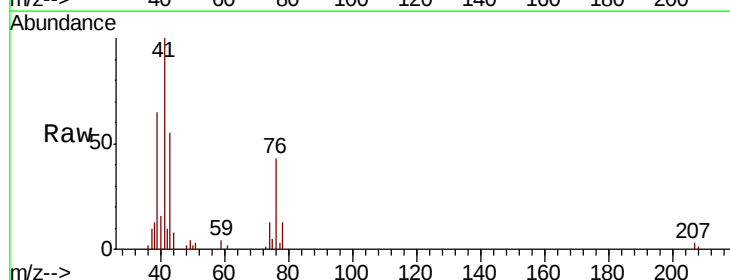
Tgt Ion: 41 Resp: 20506

Ion Ratio Lower Upper

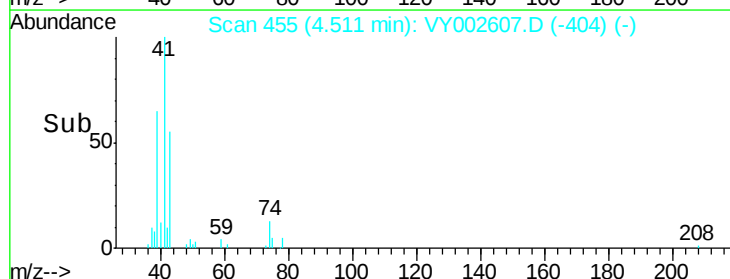
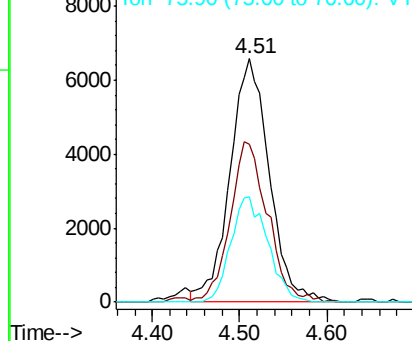
41 100

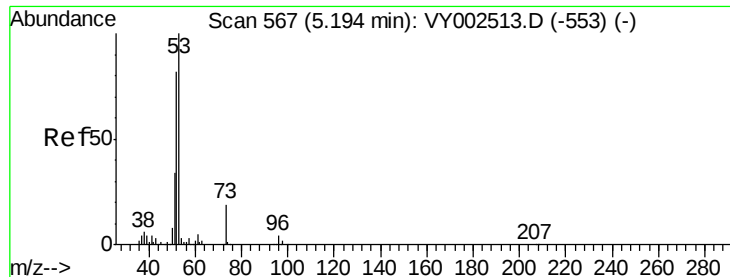
39 63.3 51.8 77.6

76 40.8 31.7 47.5



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 21.172 ug/l

RT: 5.20 min Scan# 568

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

ClientSampleId :

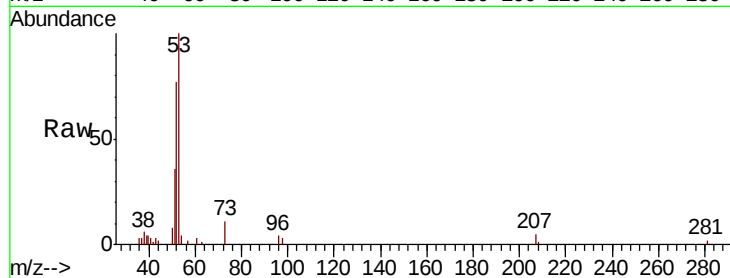
Tot Ion: 53 Resp: 18464

Ion Ratio Lower Upper

53 100

52 81.5 65.4 98.0

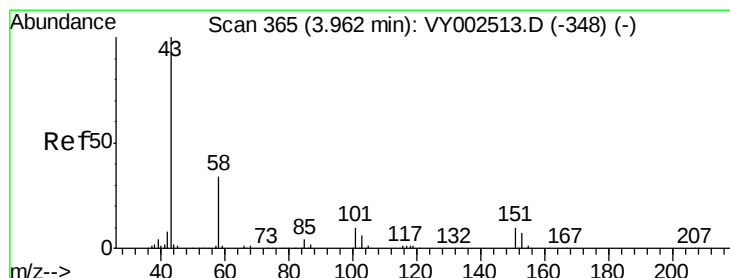
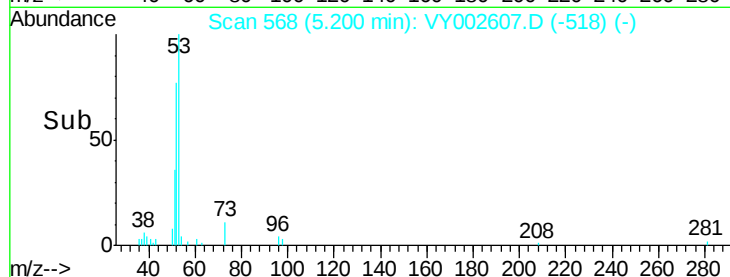
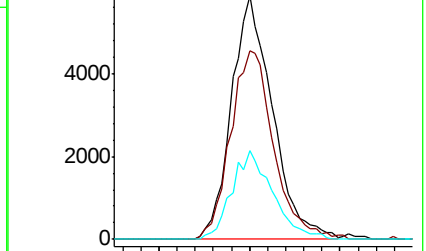
51 36.3 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VY002607.D (-518) (-)

Ion 52.00 (51.70 to 52.70): VY002607.D (-518) (-)

Ion 51.00 (50.70 to 51.70): VY002607.D (-518) (-)



#16

Acetone

Concen: 21.206 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY002607.D

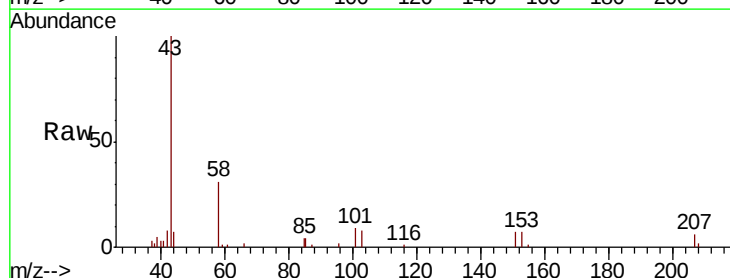
Acq: 06 May 2020 12:04

Tgt Ion: 43 Resp: 13966

Ion Ratio Lower Upper

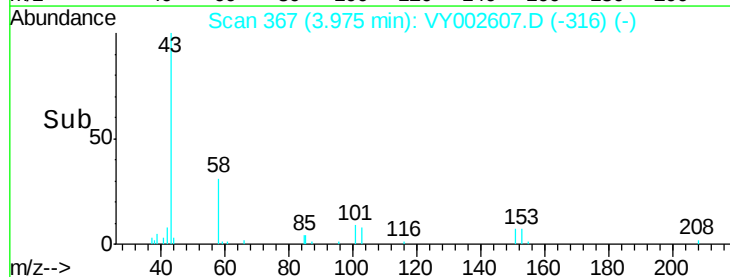
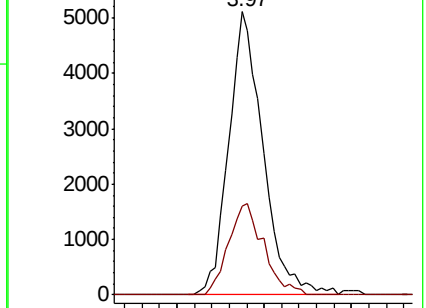
43 100

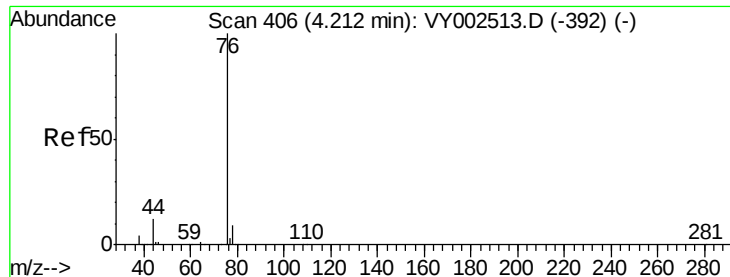
58 31.2 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VY002607.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VY002607.D (-316) (-)





#17

Carbon Disulfide

Concen: 4.290 ug/l

RT: 4.22 min Scan# 408

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

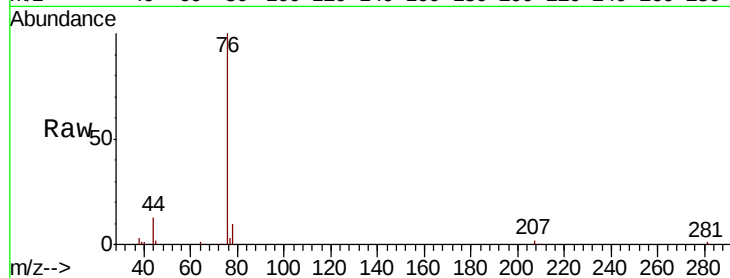
ClientSampleId :

Tot Ion: 76 Resp: 42165

Ion Ratio Lower Upper

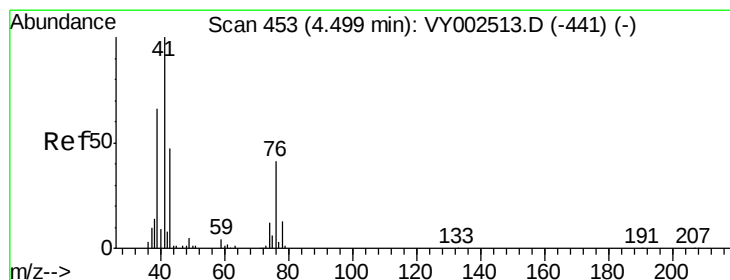
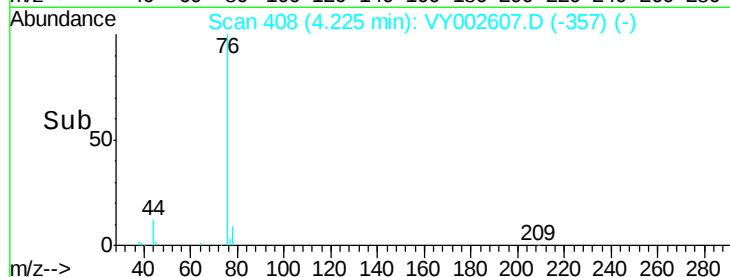
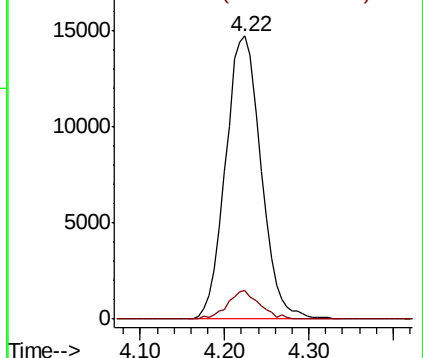
76 100

78 10.0 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 5.294 ug/l

RT: 4.51 min Scan# 454

Delta R.T. 0.01 min

Lab File: VY002607.D

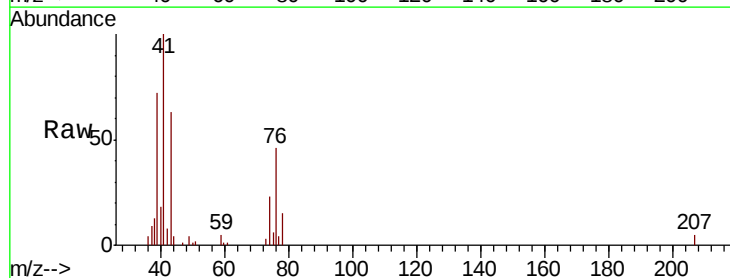
Acq: 06 May 2020 12:04

Tgt Ion: 43 Resp: 11649

Ion Ratio Lower Upper

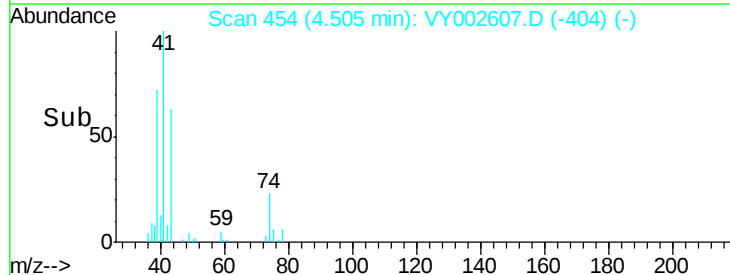
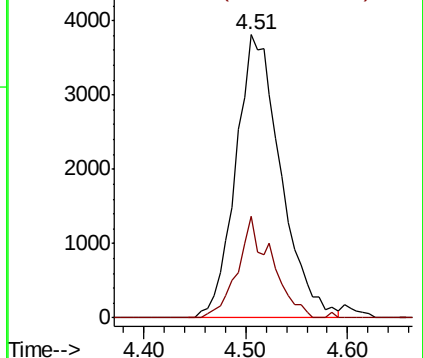
43 100

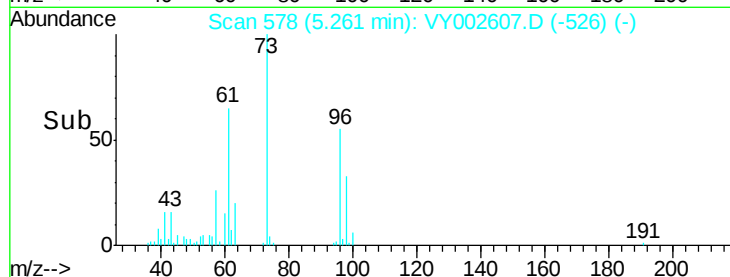
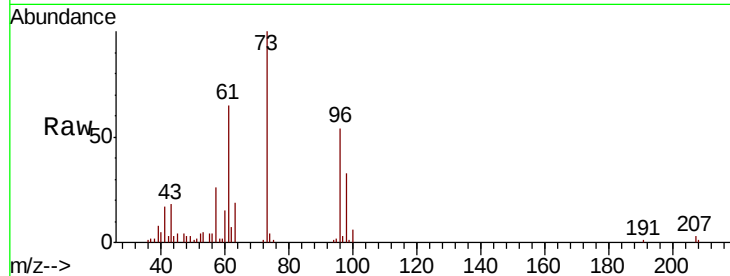
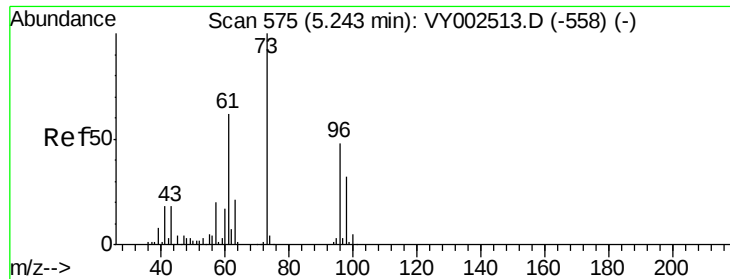
74 27.4 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

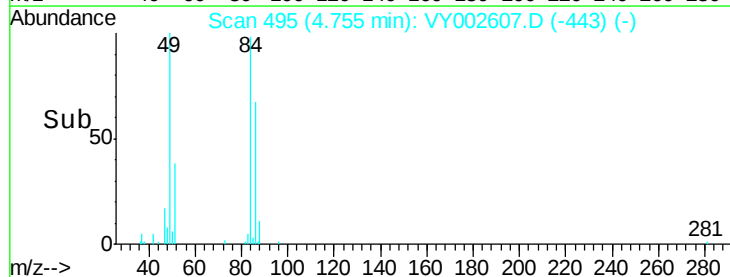
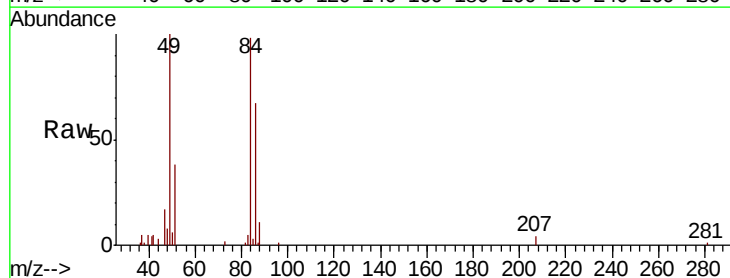
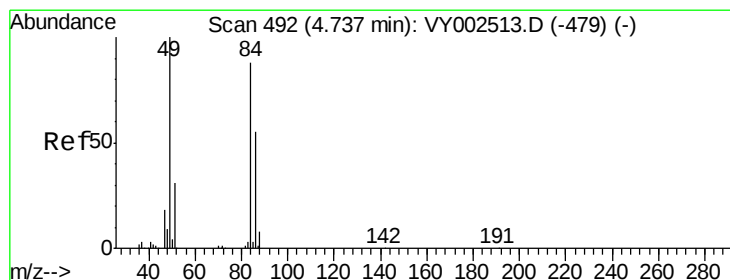
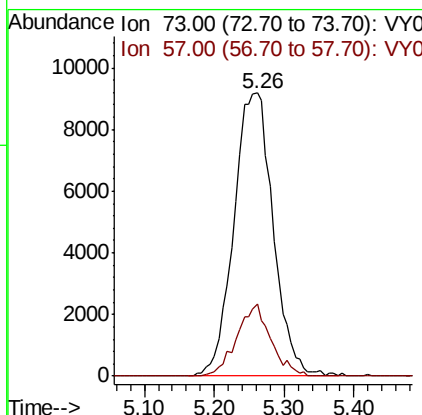
Ion 74.00 (73.70 to 74.70): VY0





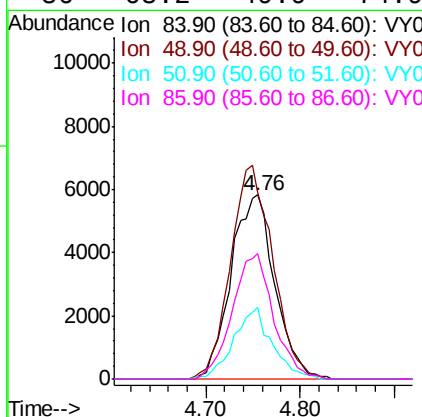
#19
Methvl tert-butvl Ether
Concen: 4.207 ug/l
RT: 5.26 min Scan# 578
Delta R.T. 0.02 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

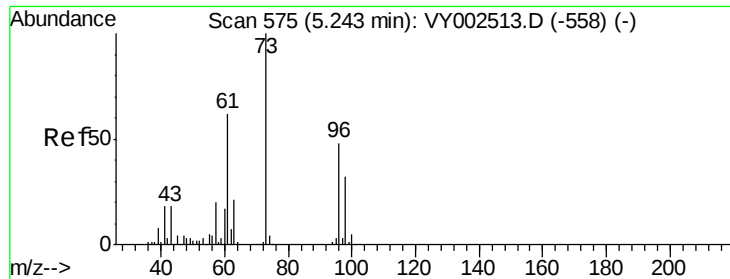
Tot Ion: 73 Resp: 35864
Ion Ratio Lower Upper
73 100
57 25.5 16.3 24.5#



#20
Methylene Chloride
Concen: 5.111 ug/l
RT: 4.76 min Scan# 495
Delta R.T. 0.02 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tgt Ion: 84 Resp: 18825
Ion Ratio Lower Upper
84 100
49 102.0 90.5 135.7
51 38.7 28.3 42.5
86 68.2 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 4.566 ug/l

RT: 5.25 min Scan# 577

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

ClientSampleId :

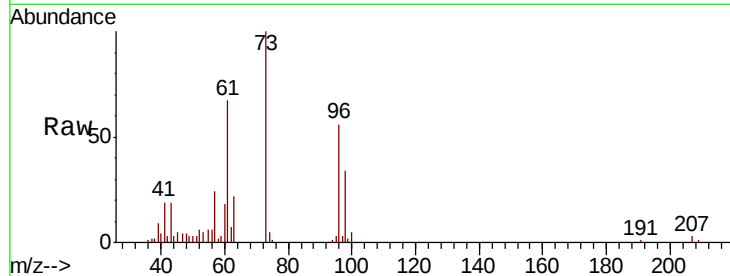
Tot Ion: 96 Resp: 16305

Ion Ratio Lower Upper

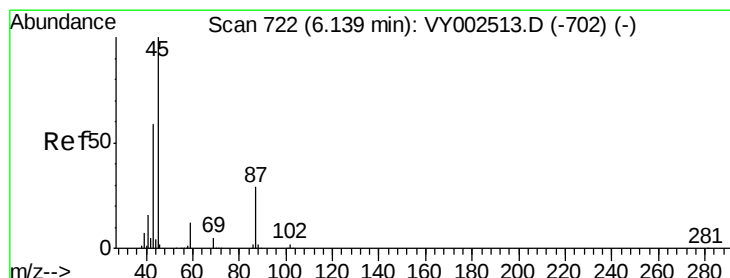
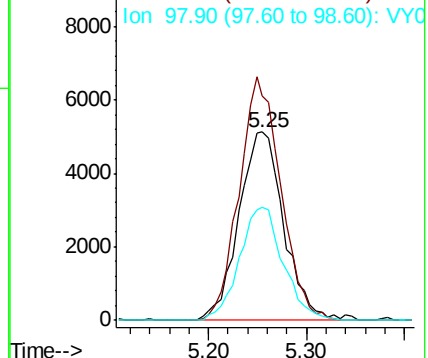
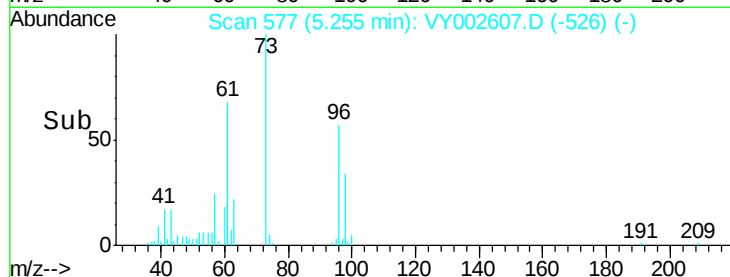
96 100

61 119.3 102.0 153.0

98 59.9 53.0 79.4



Abundance Ion 95.90 (95.60 to 96.60): VY002607.D (-526) (-)



#22

Diisopropyl ether

Concen: 4.413 ug/l

RT: 6.15 min Scan# 724

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Tgt Ion: 45 Resp: 42505

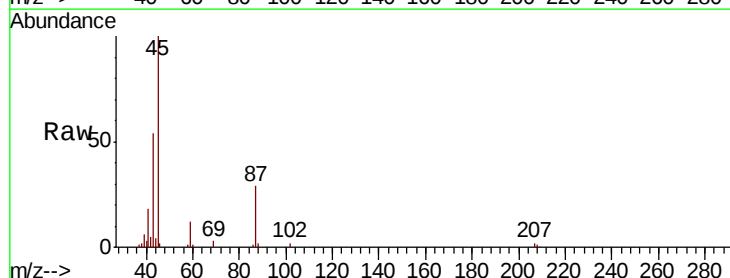
Ion Ratio Lower Upper

45 100

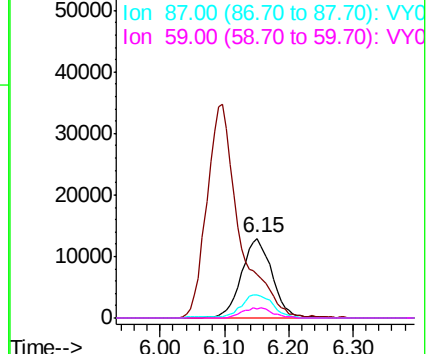
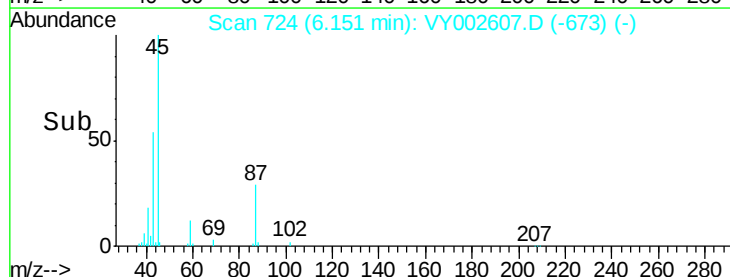
43 52.9 47.4 71.0

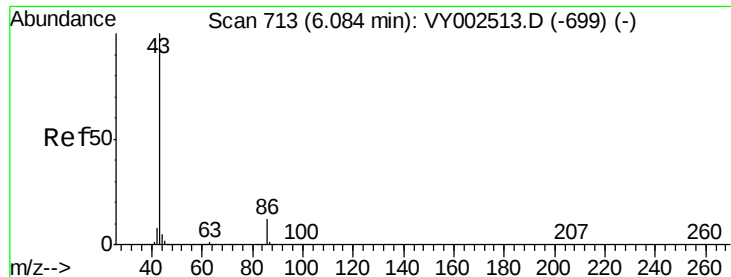
87 29.0 24.0 36.0

59 11.6 9.8 14.8



Abundance Ion 45.00 (44.70 to 45.70): VY002607.D (-673) (-)





#23

Vinyl Acetate

Concen: 19.975 ug/l

RT: 6.10 min Scan# 715

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

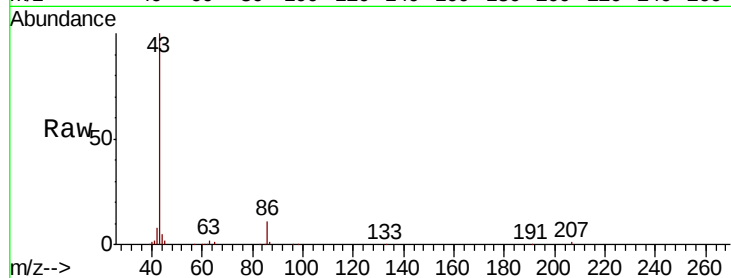
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 121004

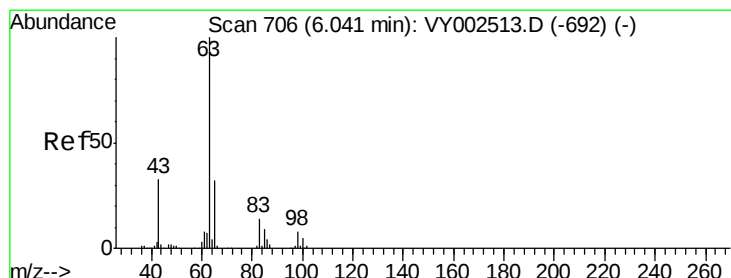
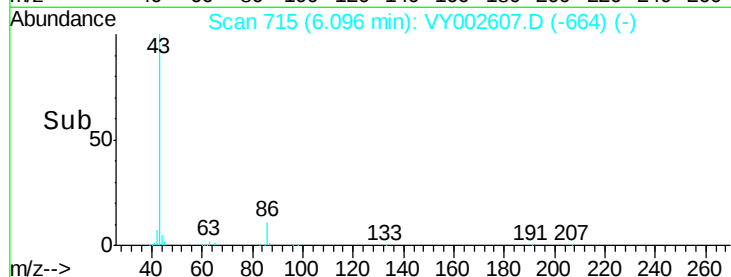
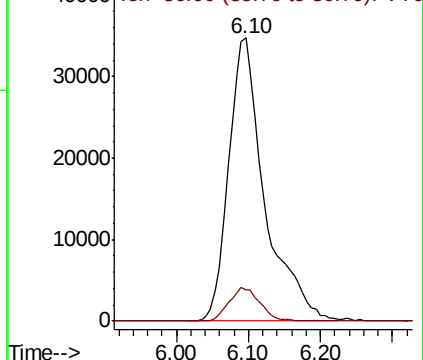
Ion Ratio Lower Upper

43 100

86 11.2 9.8 14.6



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



#24

1,1-Dichloroethane

Concen: 4.299 ug/l

RT: 6.05 min Scan# 708

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

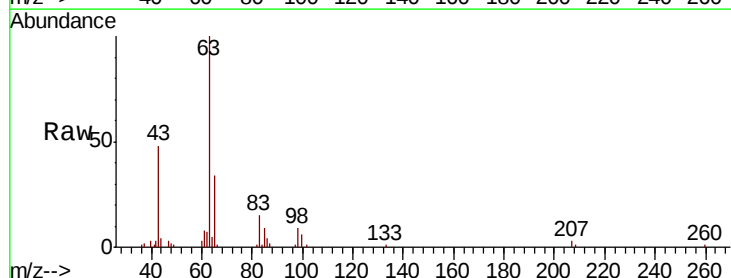
Tgt Ion: 63 Resp: 24500

Ion Ratio Lower Upper

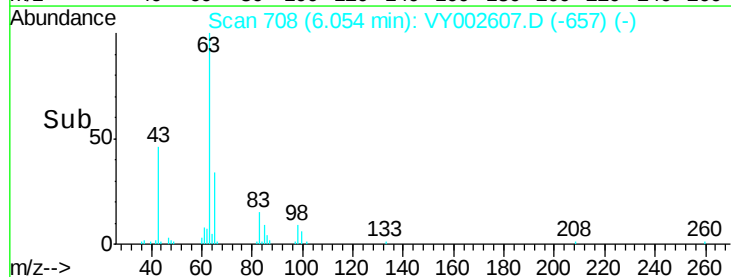
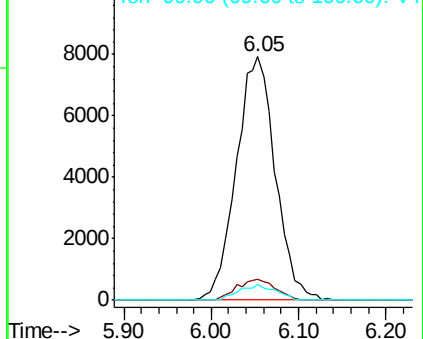
63 100

98 8.6 3.9 11.7

100 6.2 2.4 7.2



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





#25

2-Butanone

Concen: 21.368 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

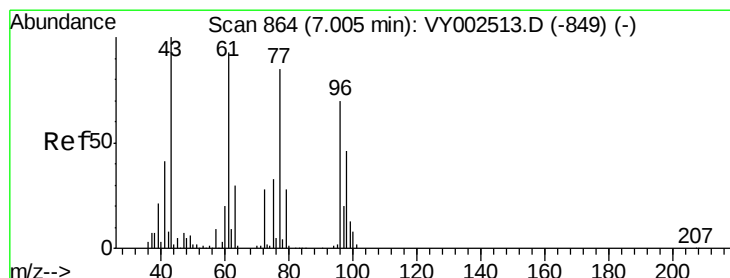
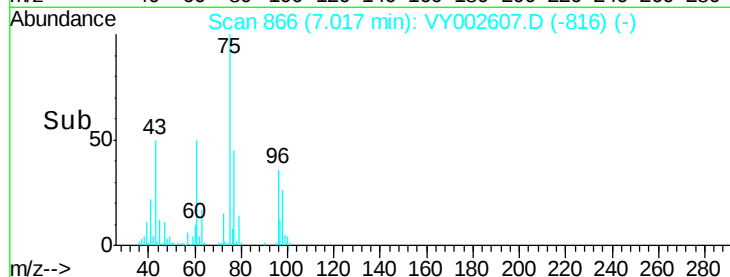
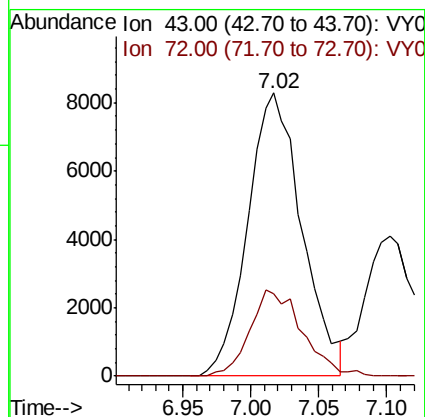
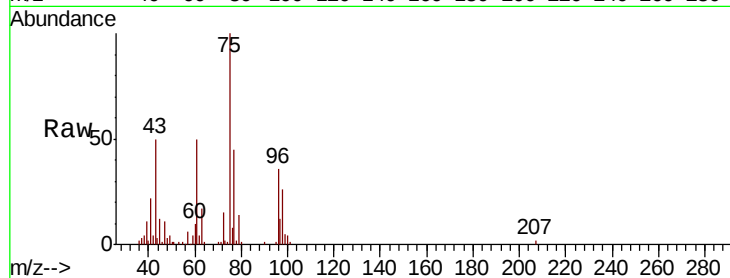
ClientSampleId :

Tot Ion: 43 Resp: 23037

Ion Ratio Lower Upper

43 100

72 28.9 24.1 36.1



#26

2,2-Dichloropropane

Concen: 4.417 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY002607.D

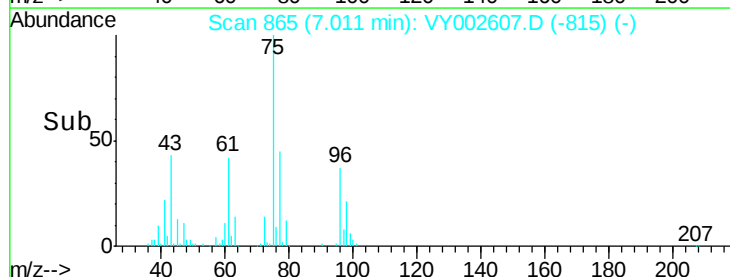
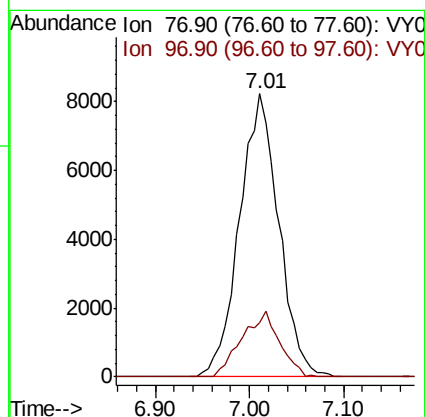
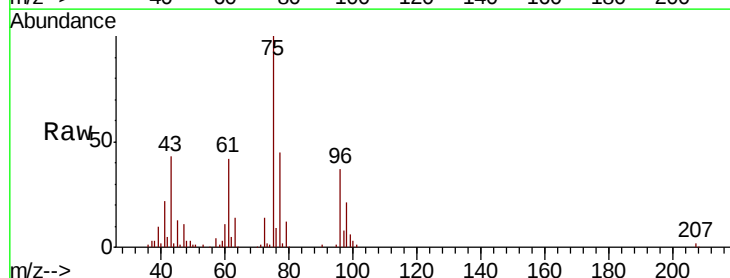
Acq: 06 May 2020 12:04

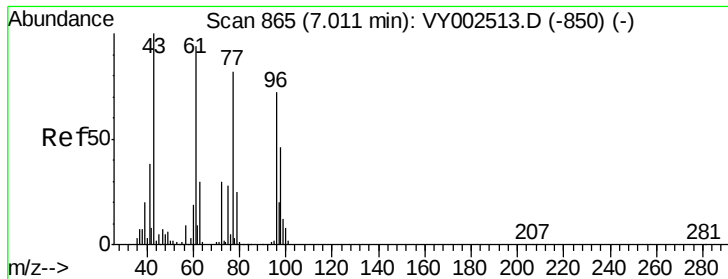
Tgt Ion: 77 Resp: 23924

Ion Ratio Lower Upper

77 100

97 22.3 11.9 35.5



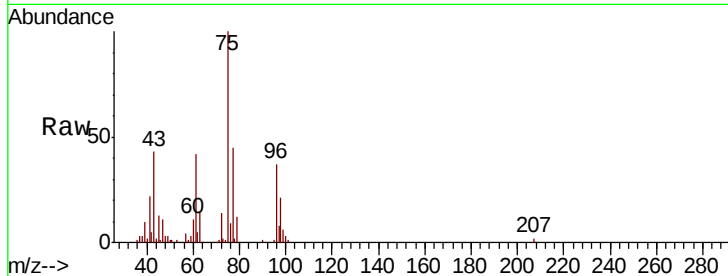


#27

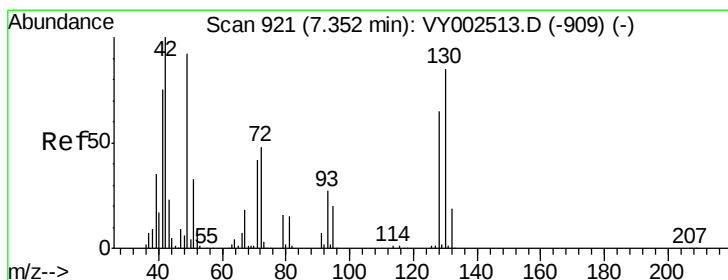
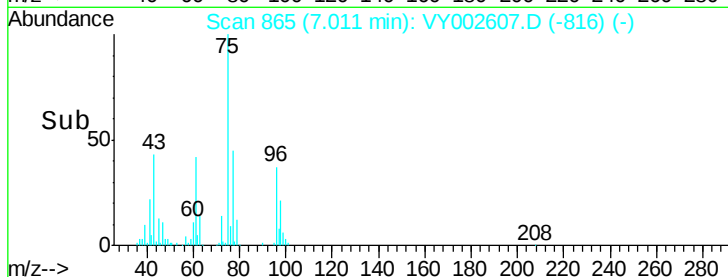
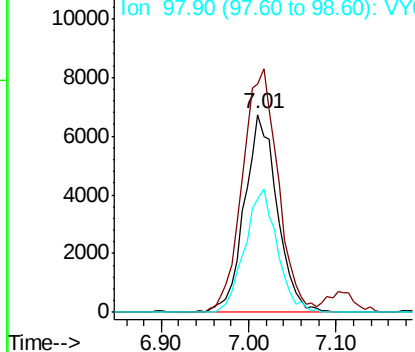
cis-1,2-Dichloroethene
Concen: 4.418 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.00 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 96 Resp: 17457
Ion Ratio Lower Upper
96 100
61 134.8 0.0 266.6
98 61.5 0.0 129.2



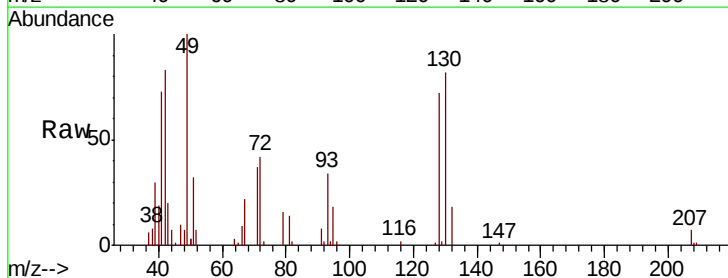
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



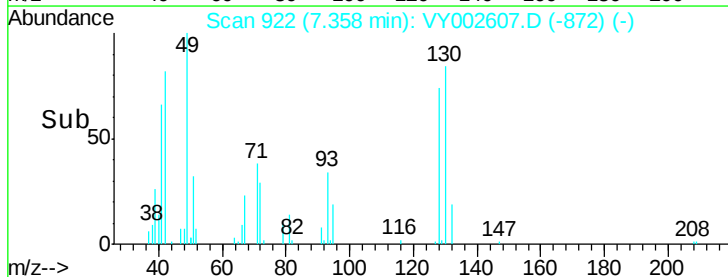
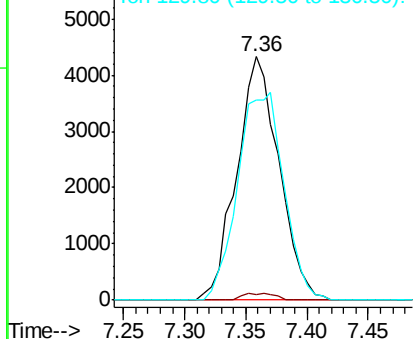
#28

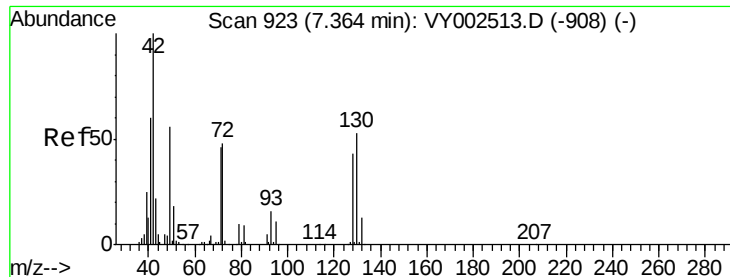
Bromochloromethane
Concen: 4.457 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tgt Ion: 49 Resp: 10406
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.8
130 93.0 72.5 108.7



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





#29

Tetrahydrofuran

Concen: 22.031 ug/l

RT: 7.38 min Scan# 925

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

ClientSampleId :

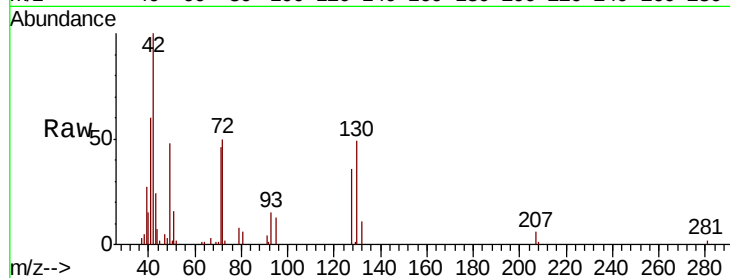
Tot Ion: 42 Resp: 15714

Ion Ratio Lower Upper

42 100

72 45.8 37.4 56.2

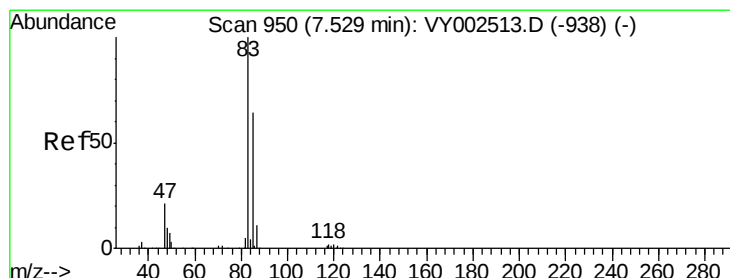
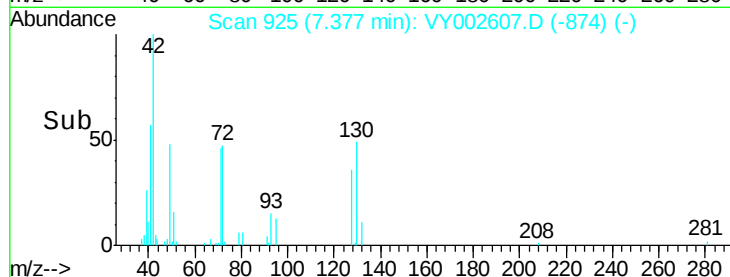
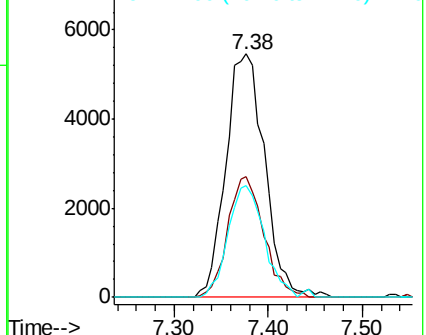
71 42.6 35.0 52.4



Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0



#30

Chloroform

Concen: 4.410 ug/l

RT: 7.53 min Scan# 950

Delta R.T. -0.00 min

Lab File: VY002607.D

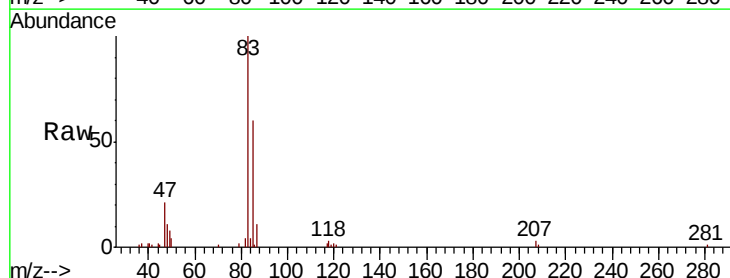
Acq: 06 May 2020 12:04

Tgt Ion: 83 Resp: 26129

Ion Ratio Lower Upper

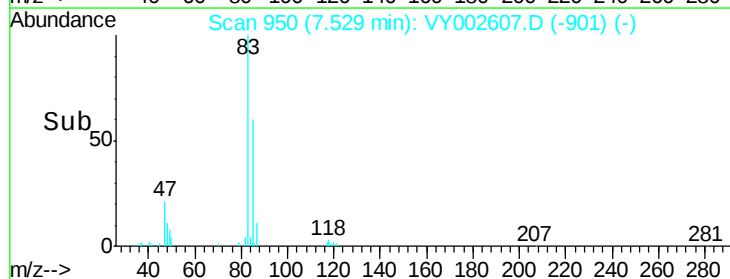
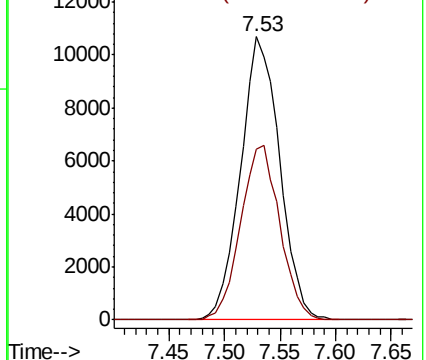
83 100

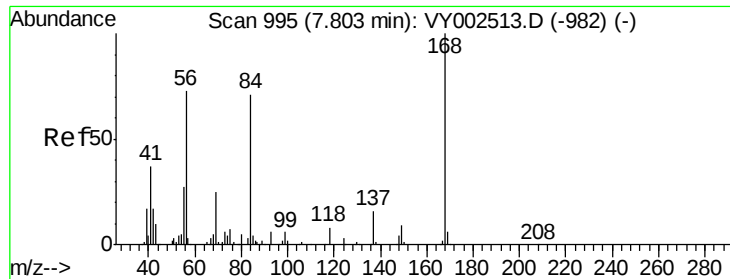
85 60.1 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

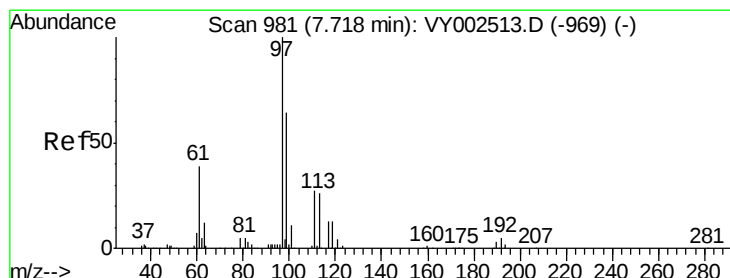
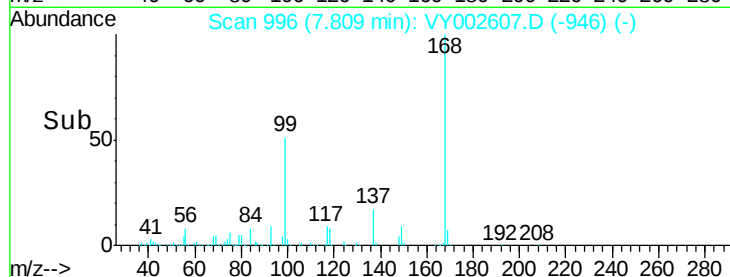
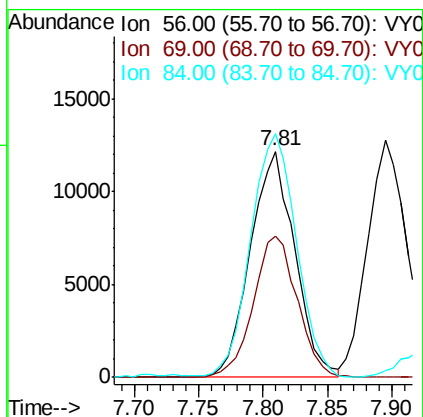
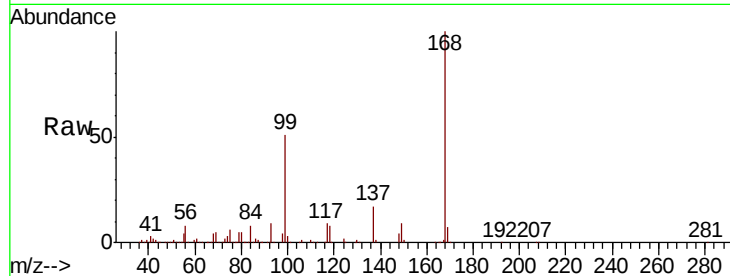




#31
Cyclohexane
Concen: 5.087 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.01 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

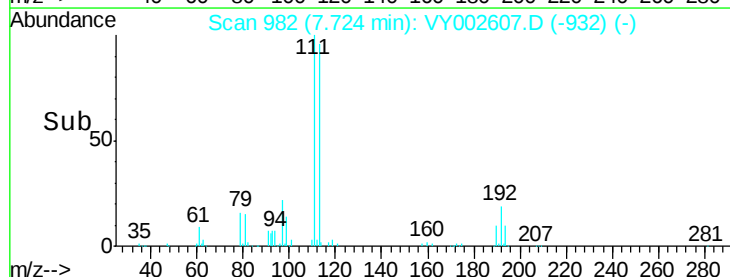
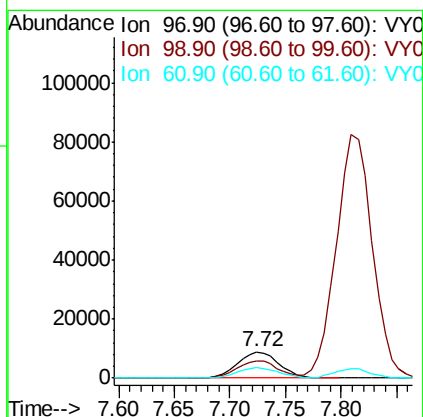
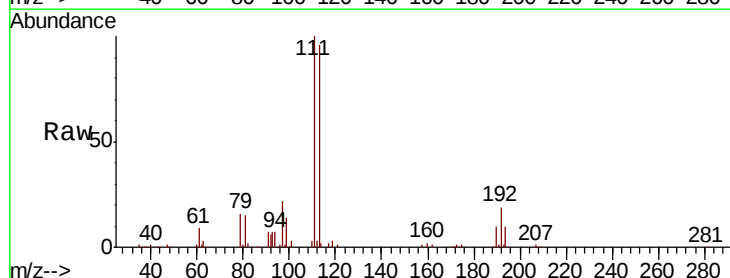
Instrument :
MSVOA_Y
ClientSampleId :

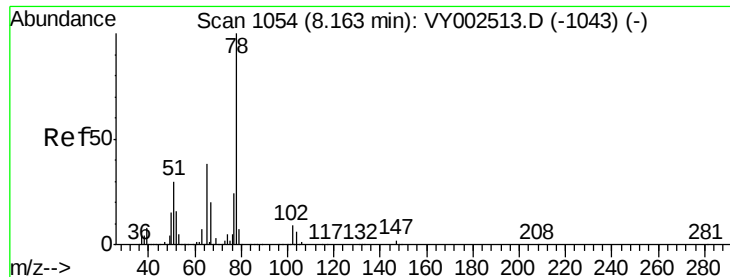
Tot Ion: 56 Resp: 29178
Ion Ratio Lower Upper
56 100
69 62.2 27.6 41.4#
84 107.1 77.7 116.5



#32
1,1,1-Trichloroethane
Concen: 4.174 ug/l
RT: 7.72 min Scan# 982
Delta R.T. 0.01 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tgt Ion: 97 Resp: 22985
Ion Ratio Lower Upper
97 100
99 64.4 51.9 77.9
61 39.5 31.0 46.6





#33

1,2-Dichloroethane-d4

Concen: 53.512 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

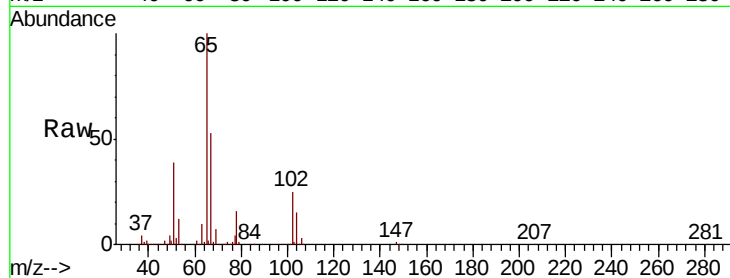
ClientSampleId :

Tot Ion: 65 Resp: 170769

Ion Ratio Lower Upper

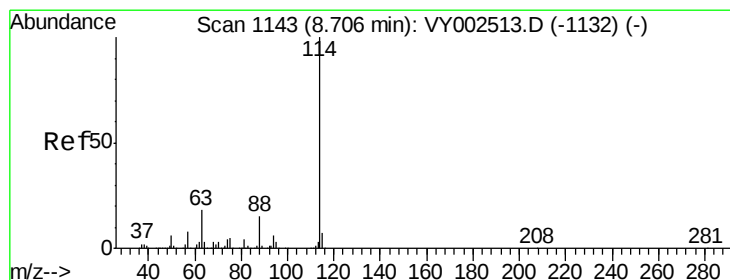
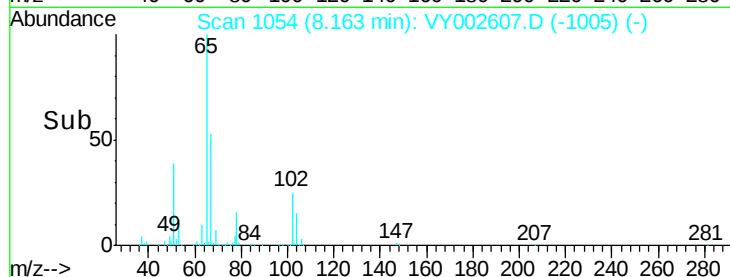
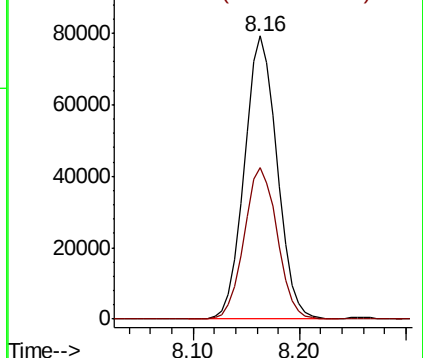
65 100

67 54.3 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

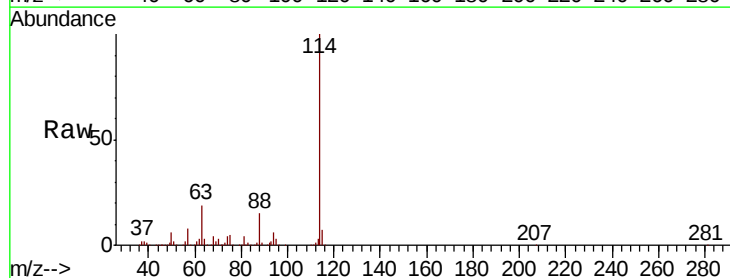
Tgt Ion: 114 Resp: 561986

Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.4

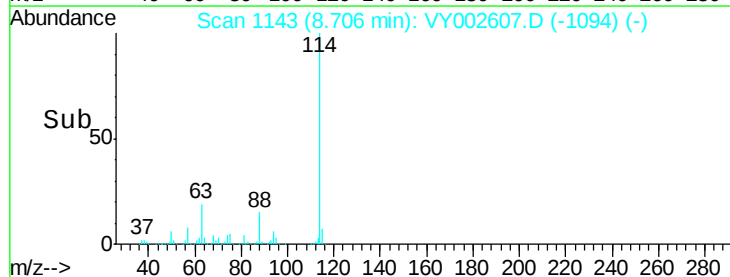
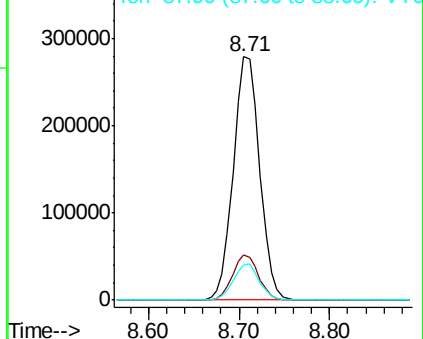
88 14.6 0.0 29.6

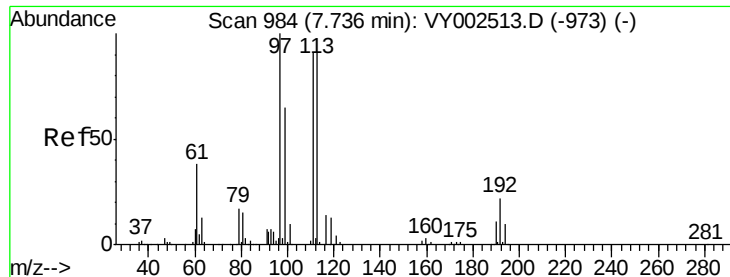


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

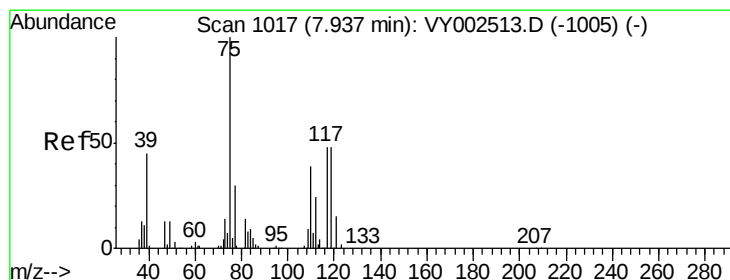
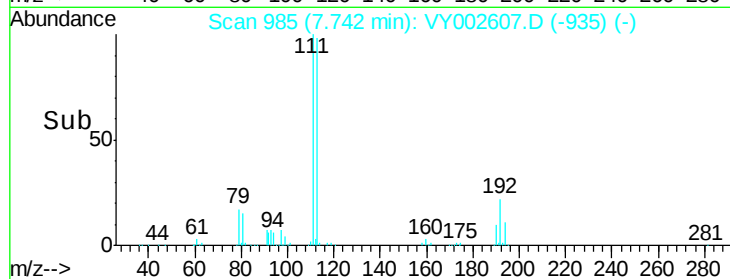
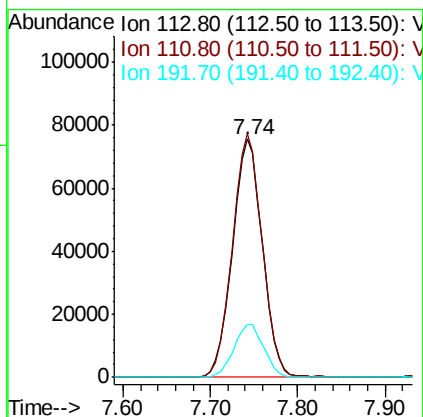
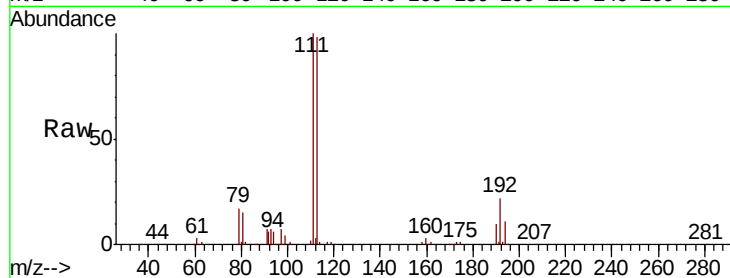




#35
 Dibromofluoromethane
 Concen: 55.867 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

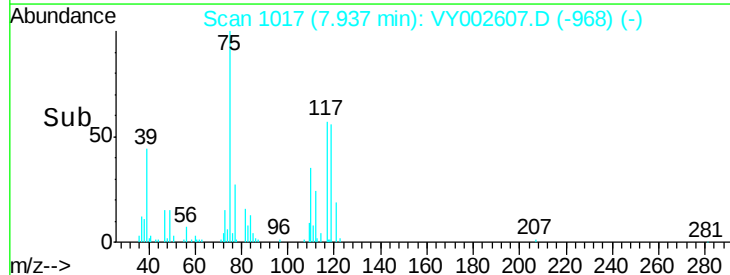
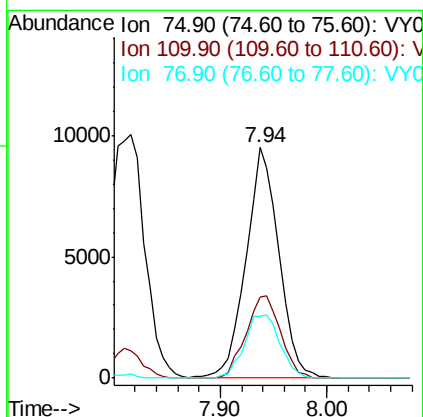
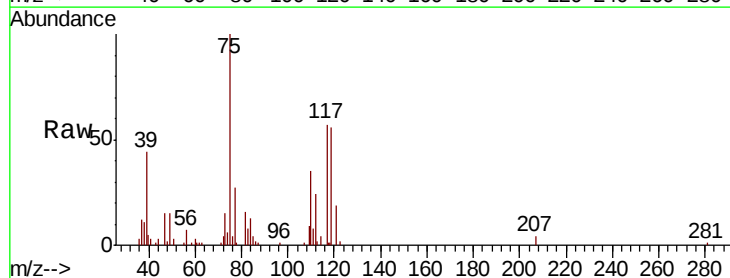
Instrument :
 MSVOA_Y
 ClientSampleId :

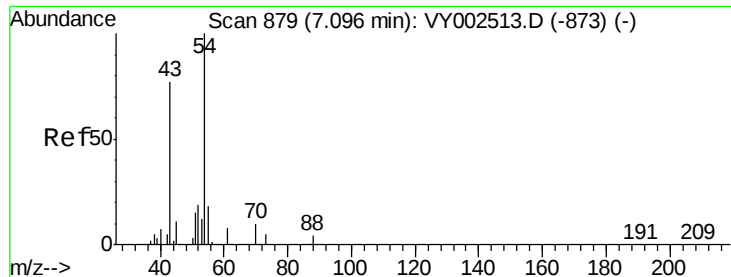
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.8	122.6
192	22.3	18.2	27.4



#36
 1,1-Dichloropropene
 Concen: 4.387 ug/l
 RT: 7.94 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.4	19.1	57.3
77	29.8	24.6	37.0

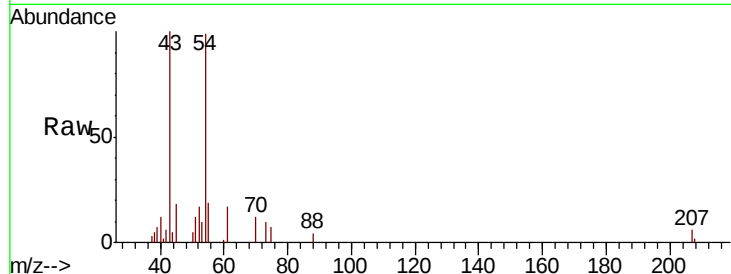




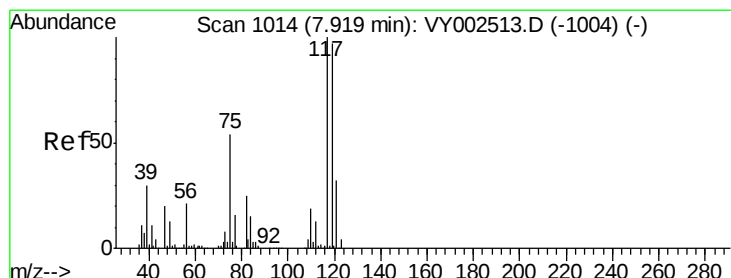
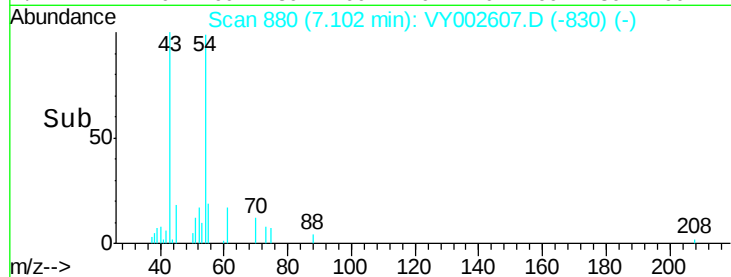
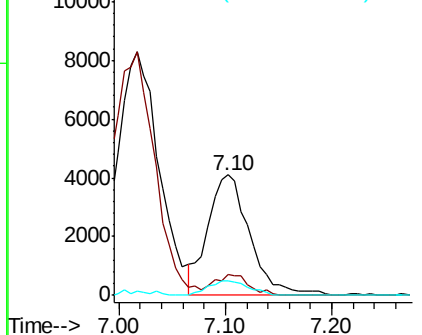
#37
Ethyl Acetate
Concen: 4.591 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.01 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 11115
Ion Ratio Lower Upper
43 100
61 14.1 11.6 17.4
70 11.4 9.0 13.6

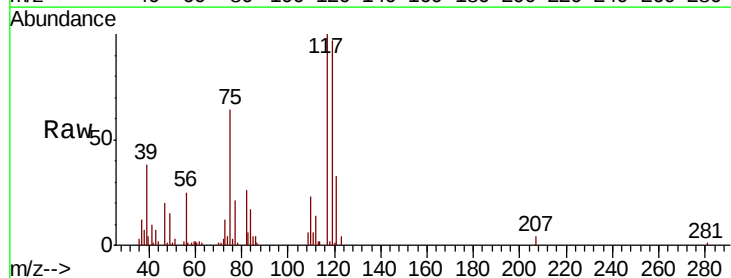


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

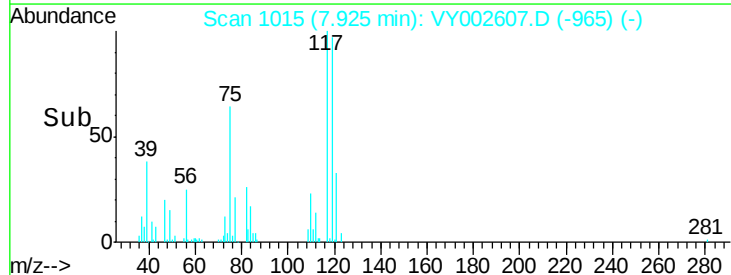
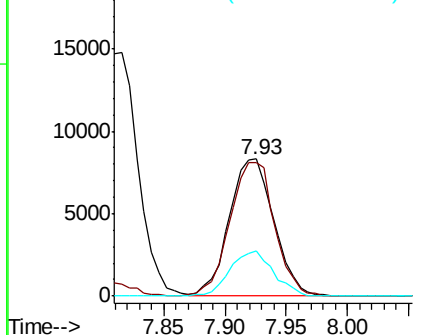


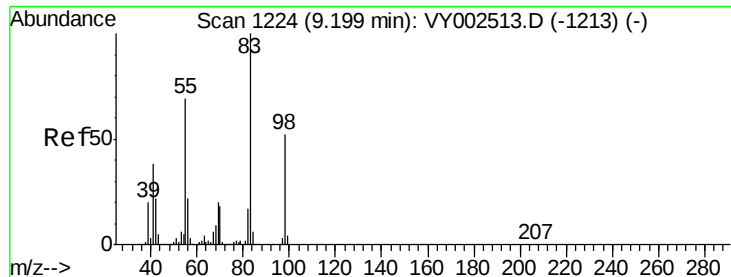
#38
Carbon Tetrachloride
Concen: 4.122 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tgt Ion: 117 Resp: 21201
Ion Ratio Lower Upper
117 100
119 97.4 77.1 115.7
121 32.8 25.2 37.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

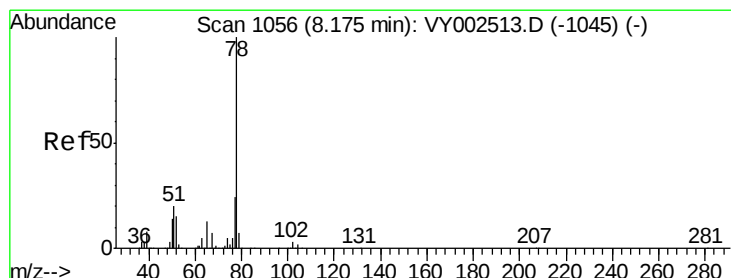
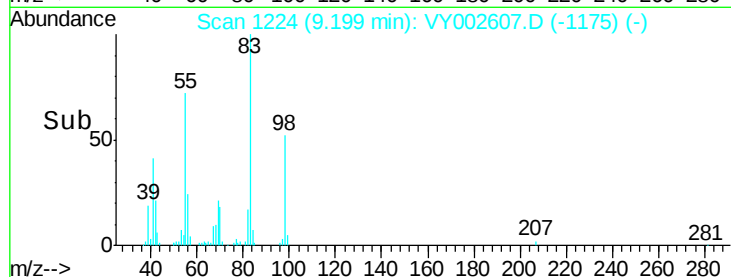
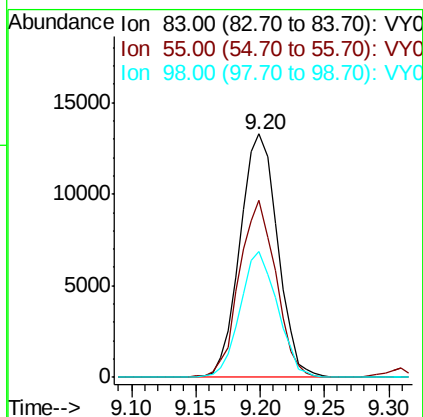
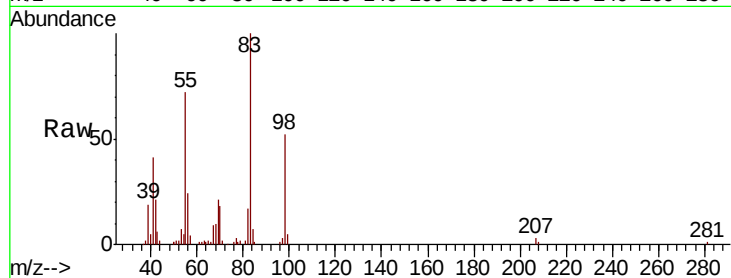




#39
Methvlcvclohexane
Concen: 4.315 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

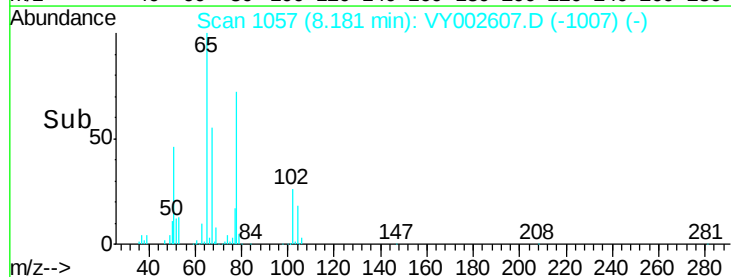
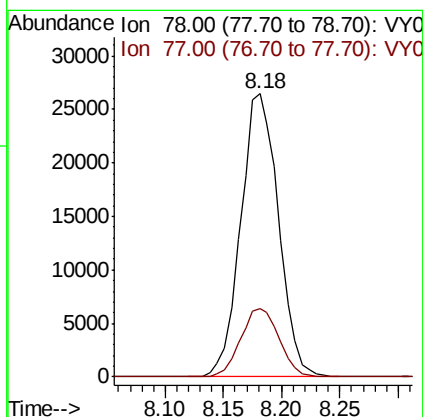
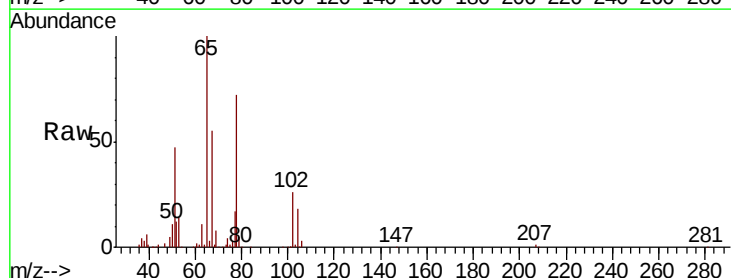
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 83 Resp: 26850
Ion Ratio Lower Upper
83 100
55 72.5 55.4 83.0
98 51.6 41.3 61.9



#40
Benzene
Concen: 4.393 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tgt Ion: 78 Resp: 59776
Ion Ratio Lower Upper
78 100
77 24.1 19.2 28.8

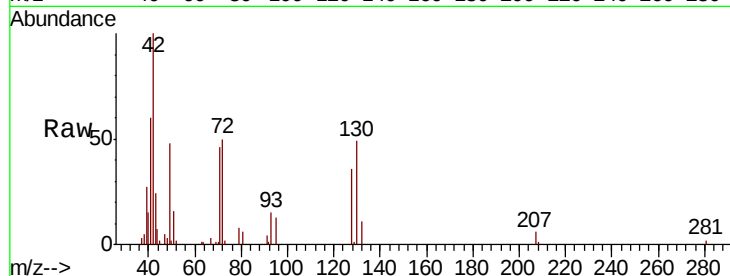




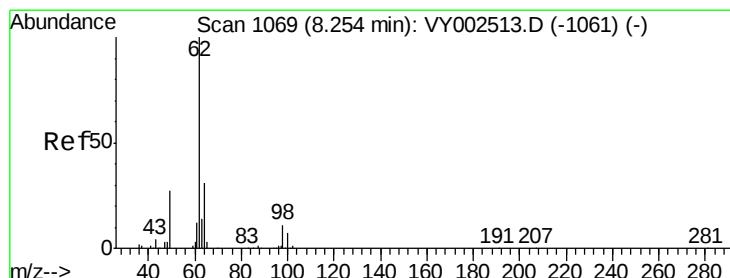
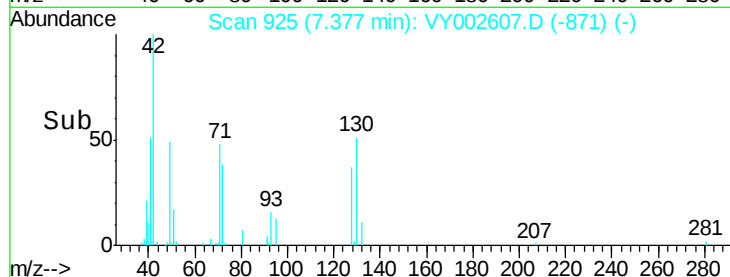
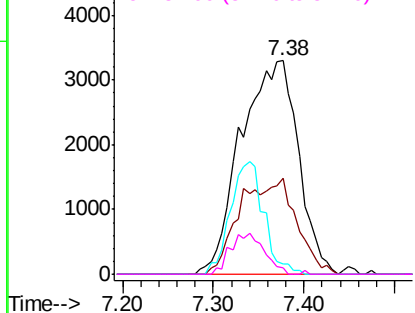
#41
Methacrylonitrile
Concen: 11.075 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.03 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:	41	Resp:	14416
Ion	Ratio	Lower	Upper
41	100		
39	0.0	83.1	124.7#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

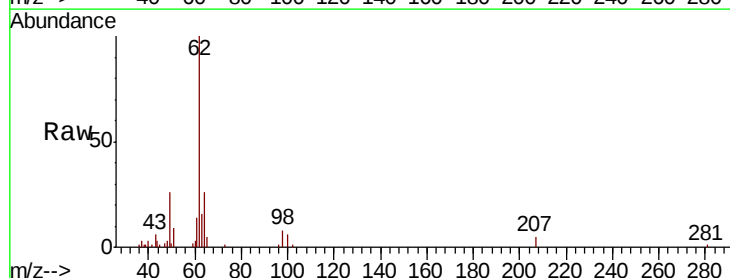


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

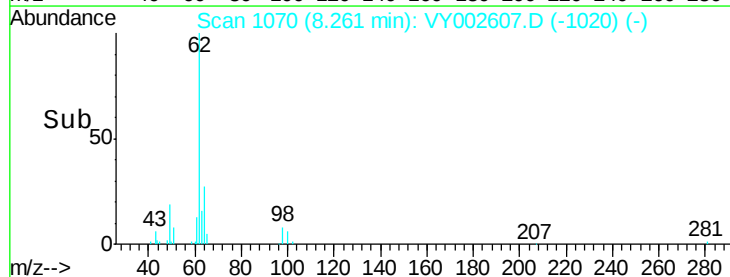
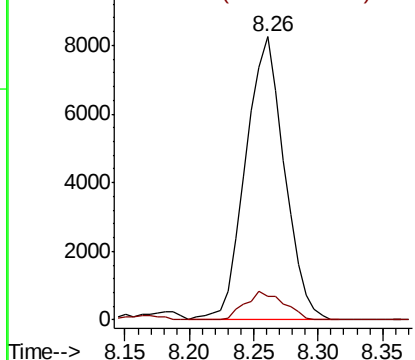


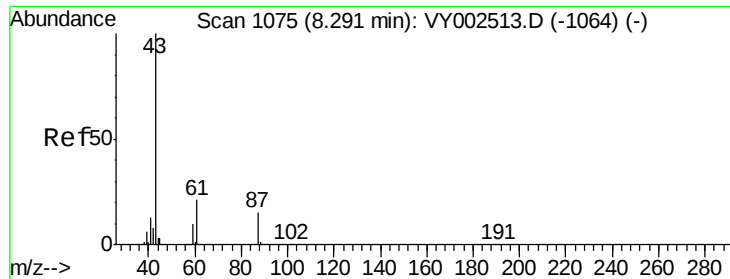
#42
1,2-Dichloroethane
Concen: 4.502 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tgt Ion:	62	Resp:	17182
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	21.0



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





#43

Isopropyl Acetate

Concen: 4.185 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

ClientSampleId :

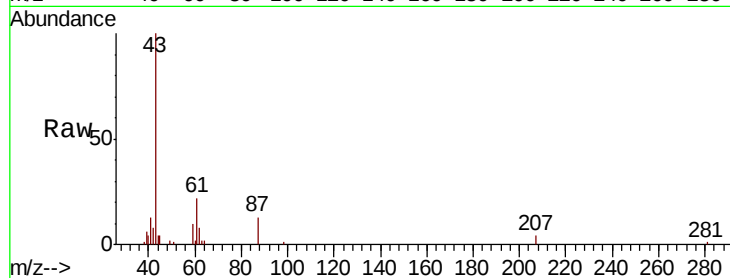
Tot Ion: 43 Resp: 18993

Ion Ratio Lower Upper

43 100

61 32.8 24.8 37.2

87 14.8 12.2 18.2

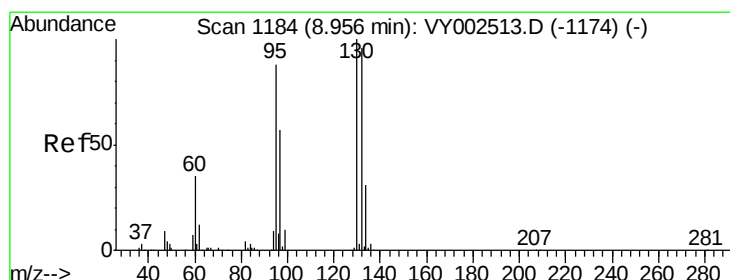
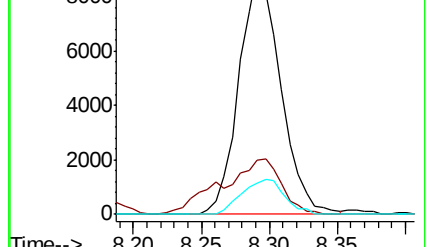
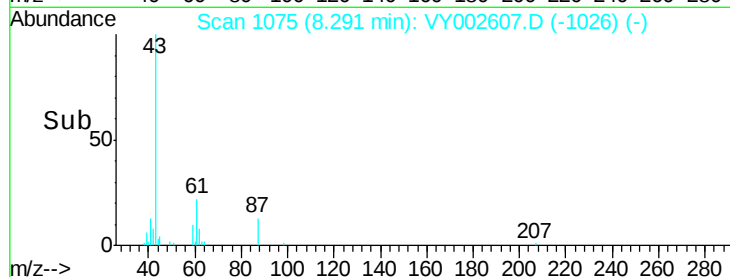


Abundance Ion 43.00 (42.70 to 43.70): VY002607.D (-1026) (-)

Ion 61.00 (60.70 to 61.70): VY002607.D (-1026) (-)

Ion 87.00 (86.70 to 87.70): VY002607.D (-1026) (-)

Time-->



#44

Trichloroethene

Concen: 4.497 ug/l

RT: 8.96 min Scan# 1185

Delta R.T. 0.01 min

Lab File: VY002607.D

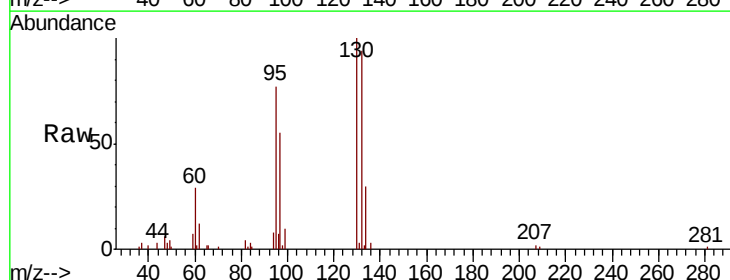
Acq: 06 May 2020 12:04

Tgt Ion: 130 Resp: 19125

Ion Ratio Lower Upper

130 100

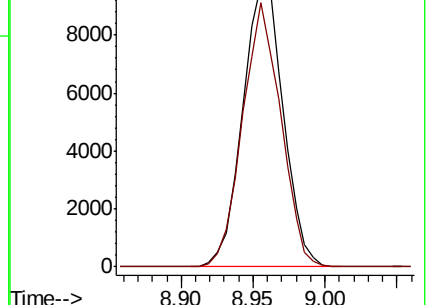
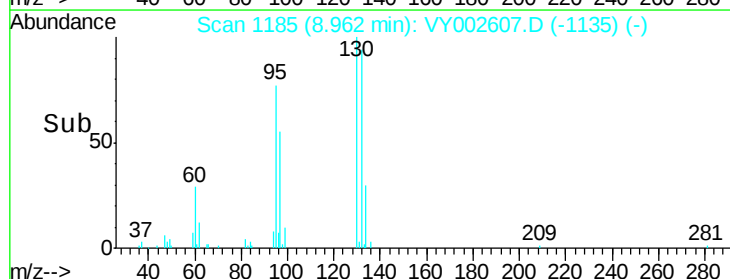
95 76.8 0.0 175.8

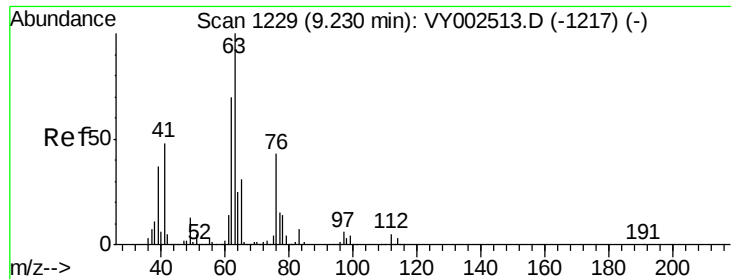


Abundance Ion 129.80 (129.50 to 130.50): VY002607.D (-1135) (-)

Ion 94.90 (94.60 to 95.60): VY002607.D (-1135) (-)

Time-->

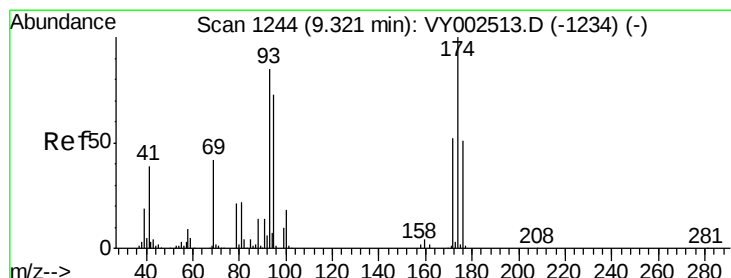
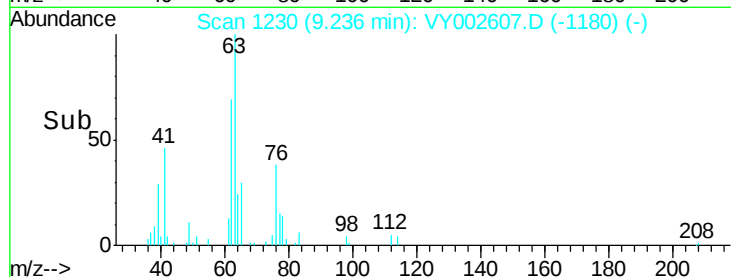
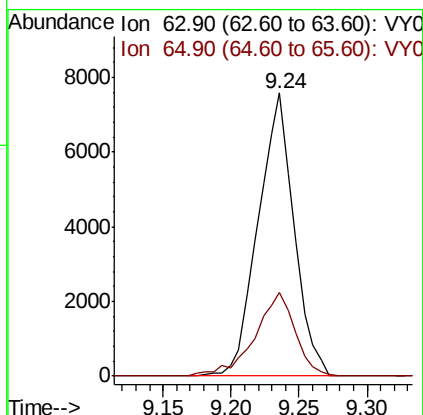
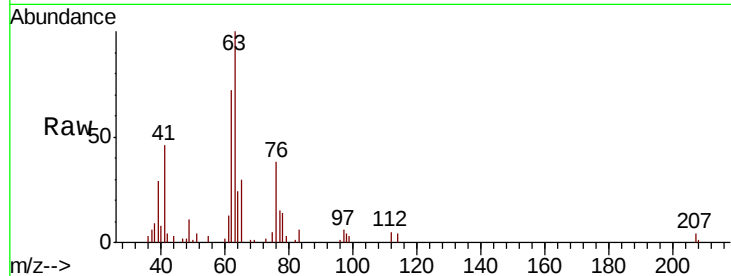




#45
 1,2-Dichloropropane
 Concen: 4.260 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.01 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

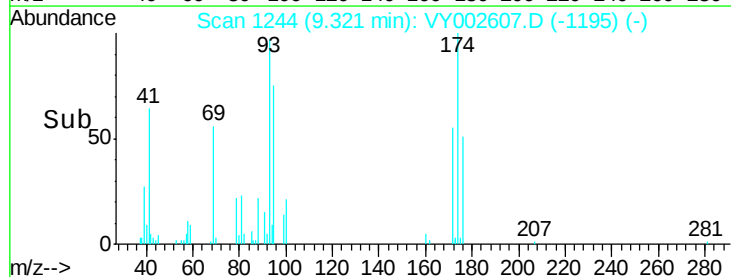
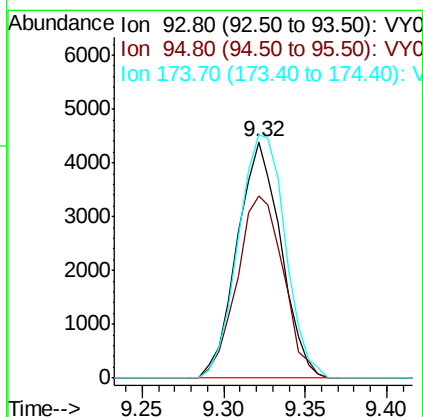
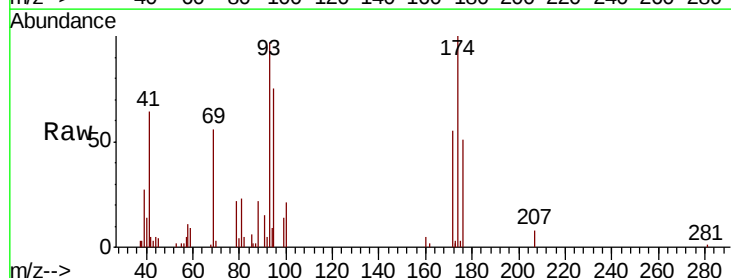
Instrument :
 MSVOA_Y
 ClientSampled :

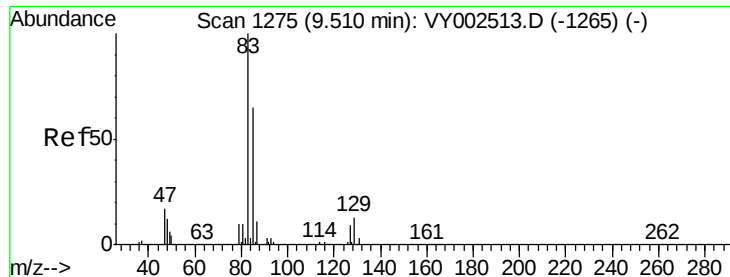
Tot Ion: 63 Resp: 13989
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.5 36.7



#46
 Dibromomethane
 Concen: 4.320 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Tgt Ion: 93 Resp: 8163
 Ion Ratio Lower Upper
 93 100
 95 81.9 67.0 100.4
 174 110.8 92.7 139.1





#47

Bromodichloromethane

Concen: 4.124 ug/l

RT: 9.52 min Scan# 1276

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

ClientSampleId :

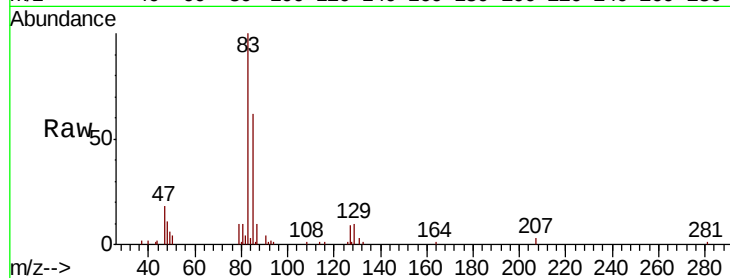
Tot Ion: 83 Resp: 18948

Ion Ratio Lower Upper

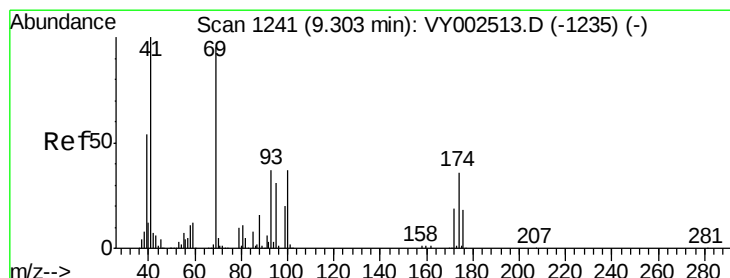
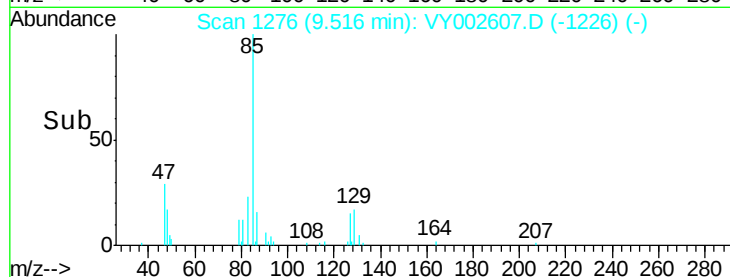
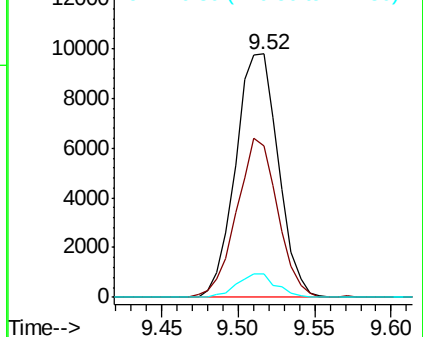
83 100

85 62.0 51.8 77.8

127 9.4 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): VY0



#48

Methyl methacrylate

Concen: 4.242 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

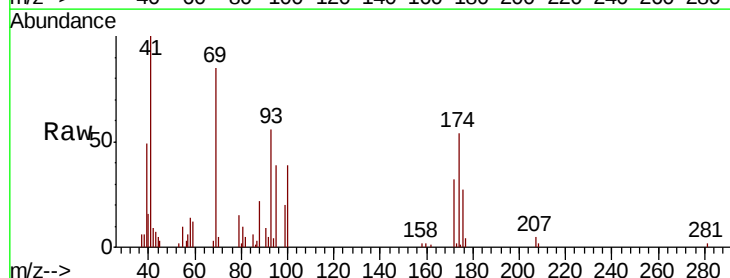
Tgt Ion: 41 Resp: 8714

Ion Ratio Lower Upper

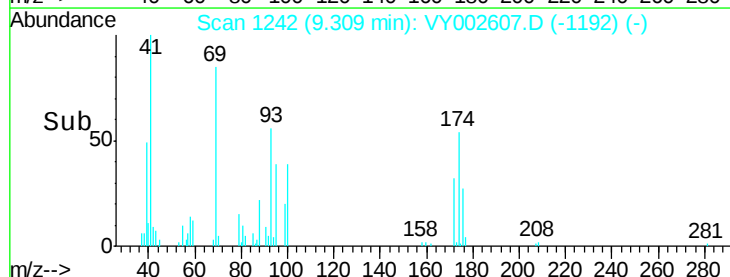
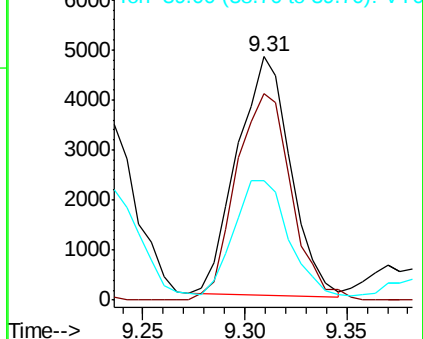
41 100

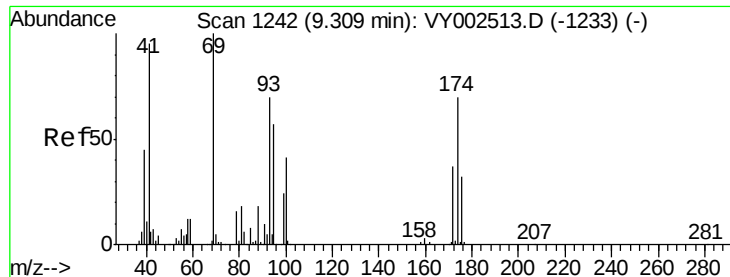
69 89.2 76.2 114.4

39 49.8 42.7 64.1



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0

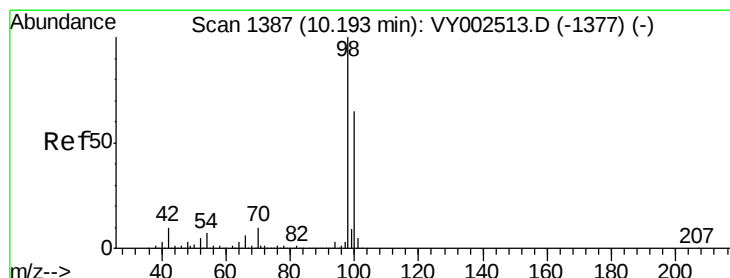
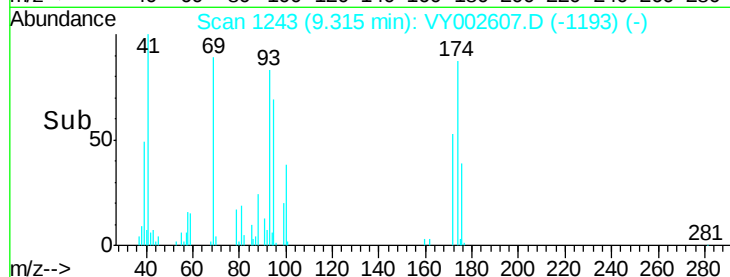
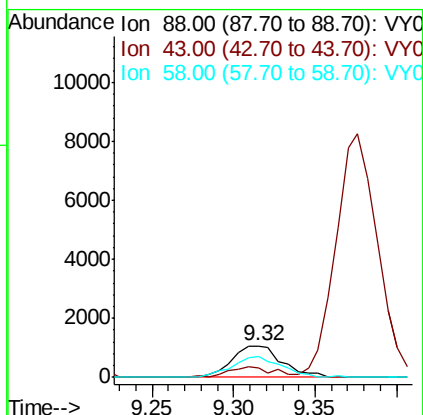
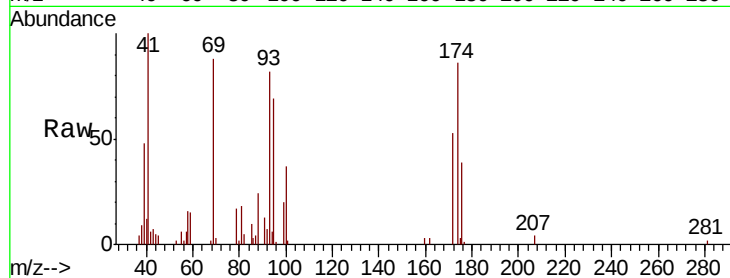




#49
1,4-Dioxane
Concen: 90.778 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

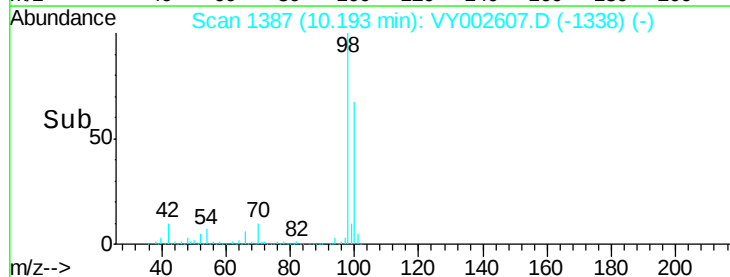
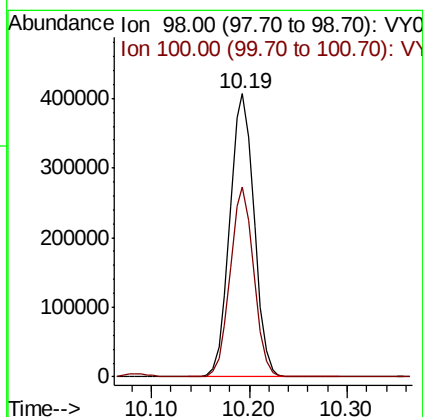
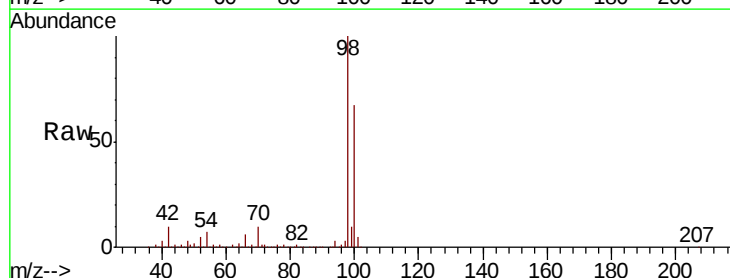
Instrument :
MSVOA_Y
ClientSampled :

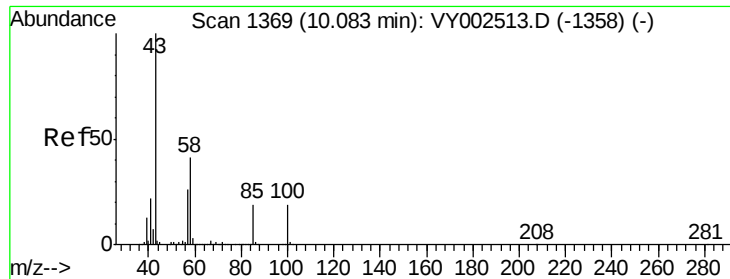
Tot Ion: 88 Resp: 2271
Ion Ratio Lower Upper
88 100
43 29.6 22.8 34.2
58 64.2 51.4 77.2



#50
Toluene-d8
Concen: 55.602 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tgt Ion: 98 Resp: 697877
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2

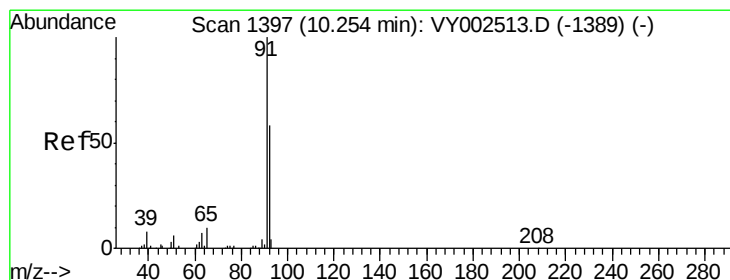
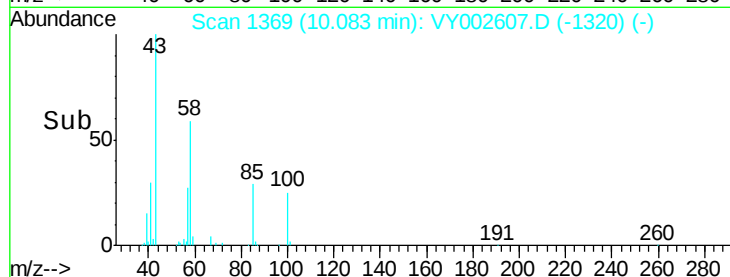
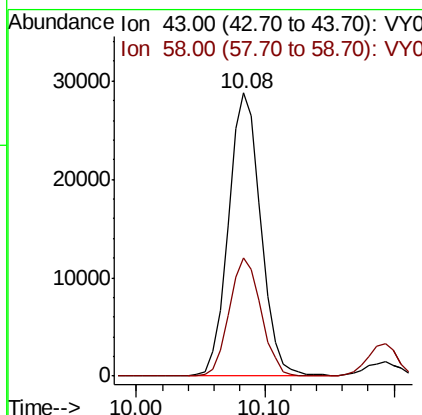
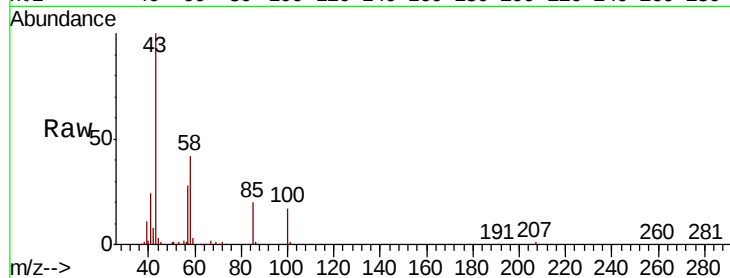




#51
4-Methyl-2-Pentanone
Concen: 21.584 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

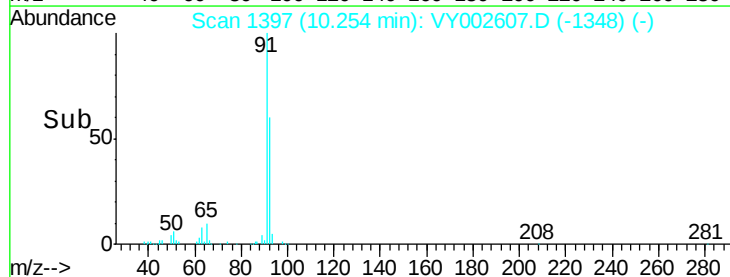
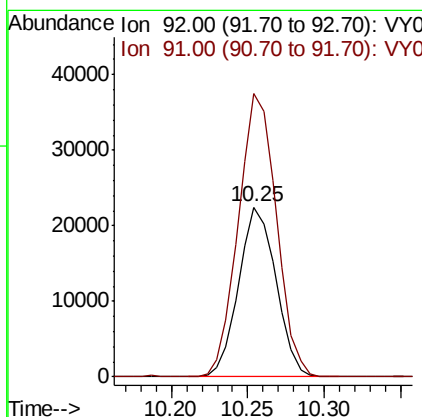
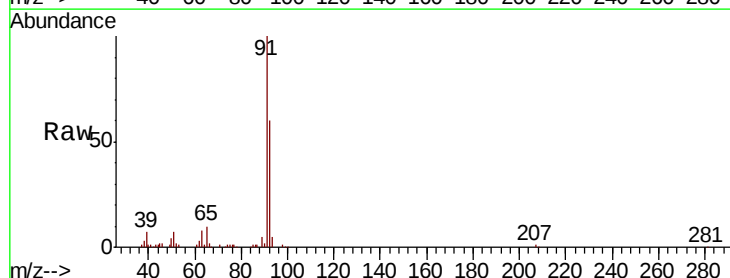
Instrument :
MSVOA_Y
ClientSampleId :

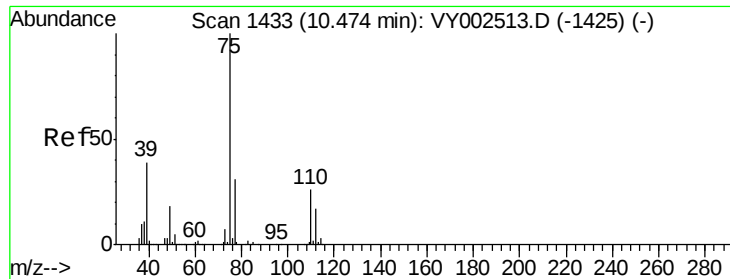
Tot Ion: 43 Resp: 50492
Ion Ratio Lower Upper
43 100
58 41.2 33.2 49.8



#52
Toluene
Concen: 4.351 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tgt Ion: 92 Resp: 38052
Ion Ratio Lower Upper
92 100
91 171.0 139.3 208.9





#53

t-1,3-Dichloropropene

Concen: 4.178 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

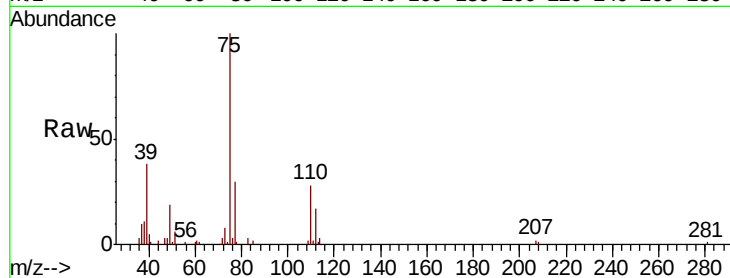
ClientSampled :

Tot Ion: 75 Resp: 20113

Ion Ratio Lower Upper

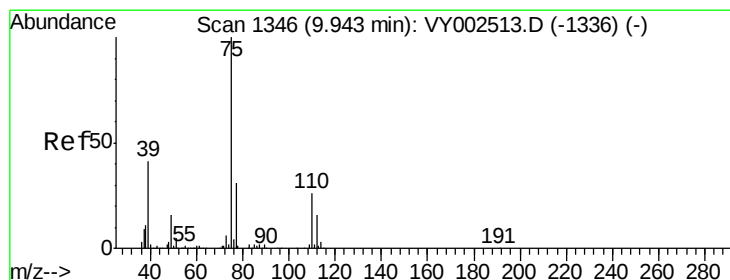
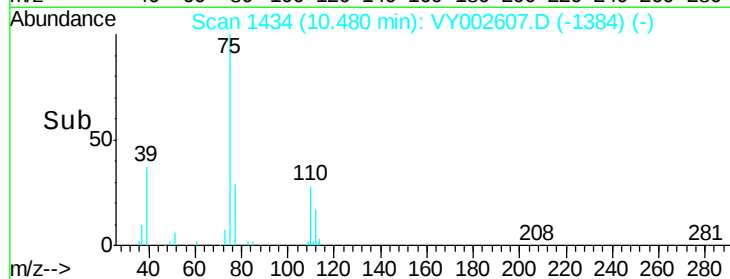
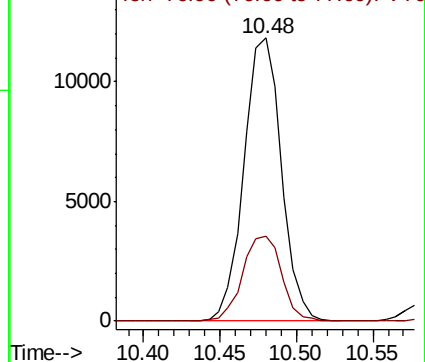
75 100

77 30.1 25.0 37.6



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: 4.184 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

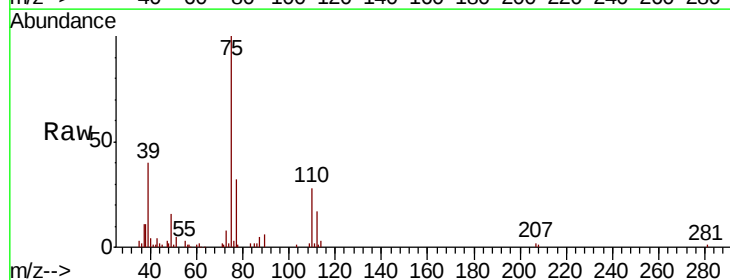
Tgt Ion: 75 Resp: 23282

Ion Ratio Lower Upper

75 100

77 32.1 25.1 37.7

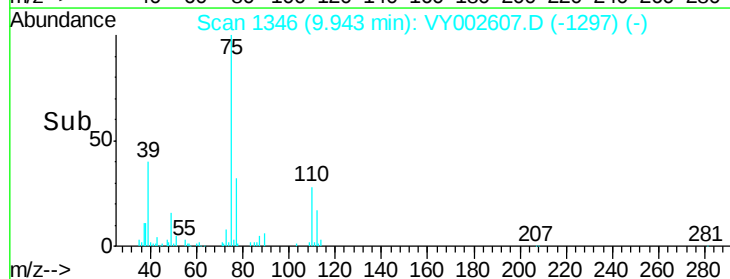
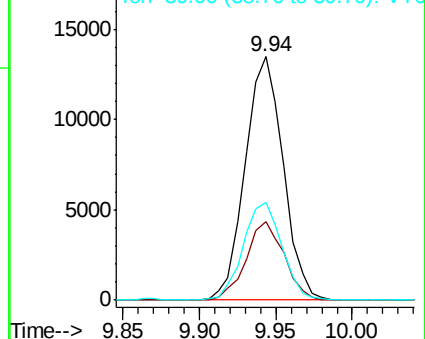
39 40.3 32.7 49.1

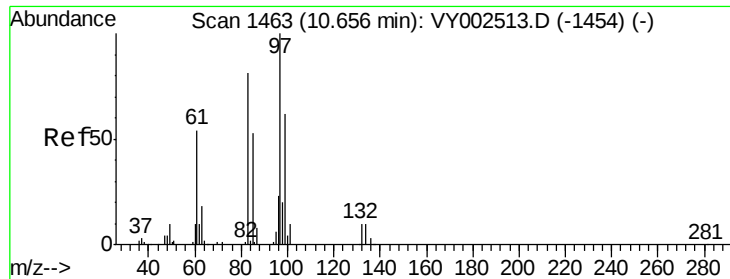


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

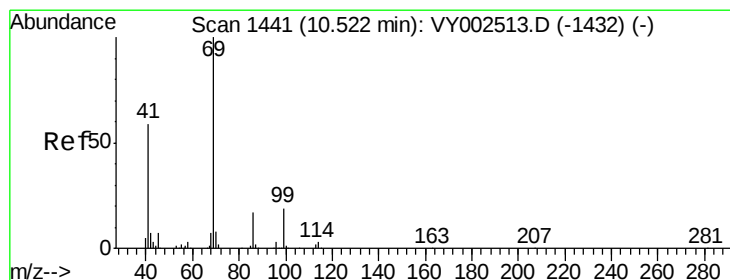
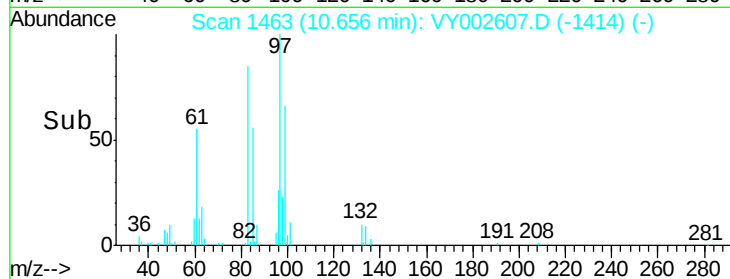
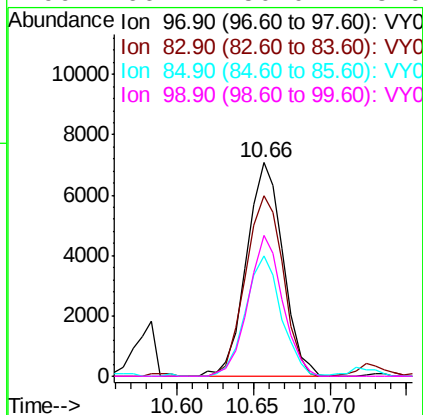
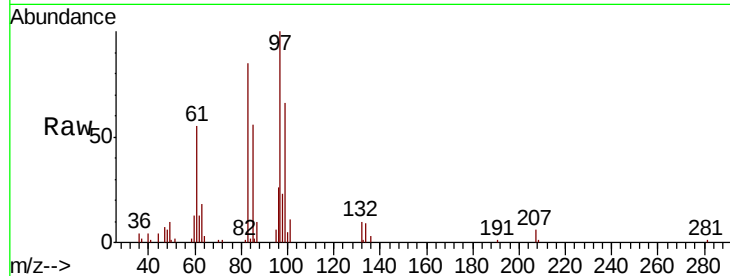




#55
 1,1,2-Trichloroethane
 Concen: 4.273 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

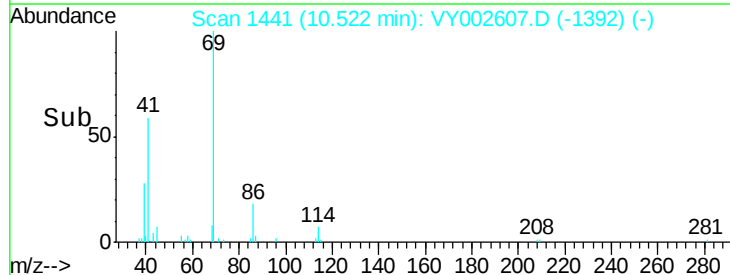
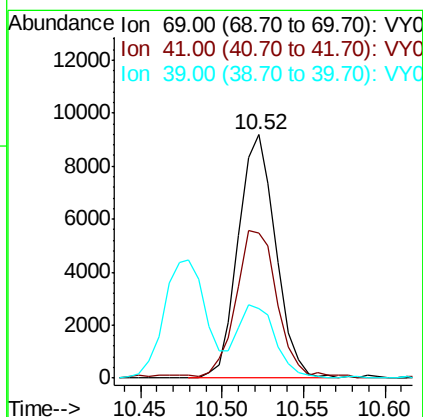
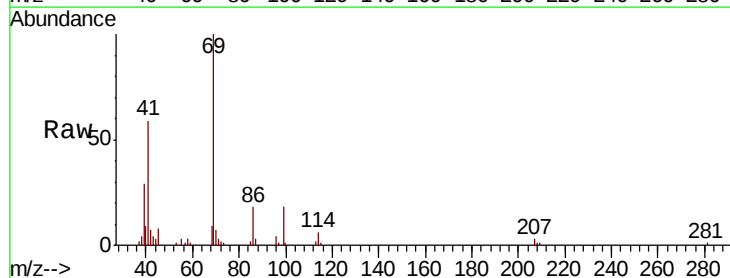
Instrument :
 MSVOA_Y
 ClientSampled :

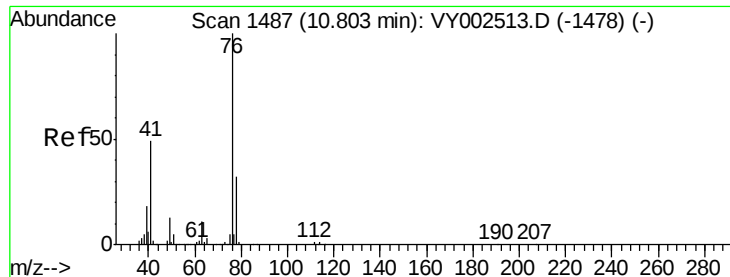
Tot Ion:	97	Resp:	11773
Ion	Ratio	Lower	Upper
97	100		
83	84.8	65.1	97.7
85	56.1	42.7	64.1
99	66.2	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 4.010 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Tgt Ion:	69	Resp:	14697
Ion	Ratio	Lower	Upper
69	100		
41	67.2	48.6	73.0
39	31.9	25.0	37.4





#57

1,3-Dichloropropane

Concen: 4.284 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

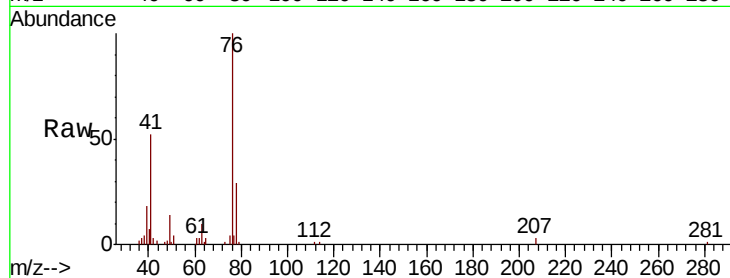
ClientSampled :

Tot Ion: 76 Resp: 20018

Ion Ratio Lower Upper

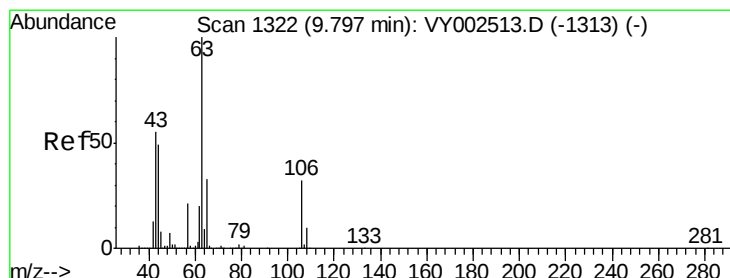
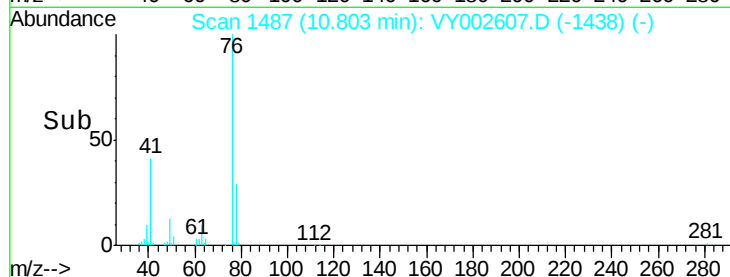
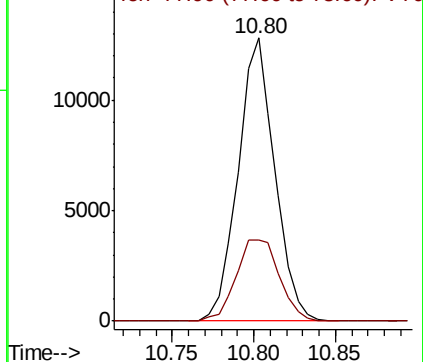
76 100

78 33.9 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 22.357 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VY002607.D

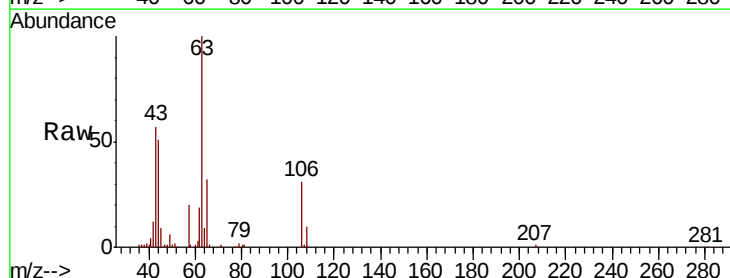
Acq: 06 May 2020 12:04

Tgt Ion: 63 Resp: 43217

Ion Ratio Lower Upper

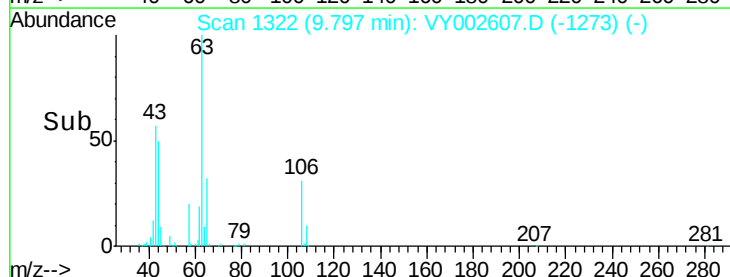
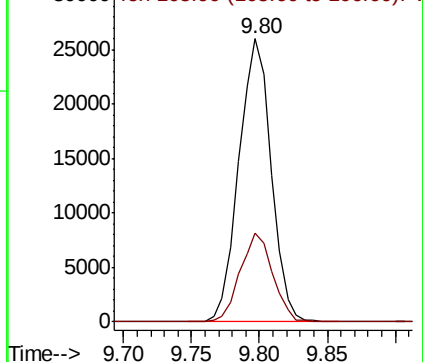
63 100

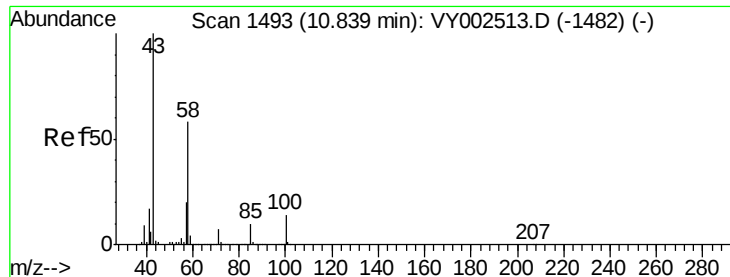
106 31.5 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

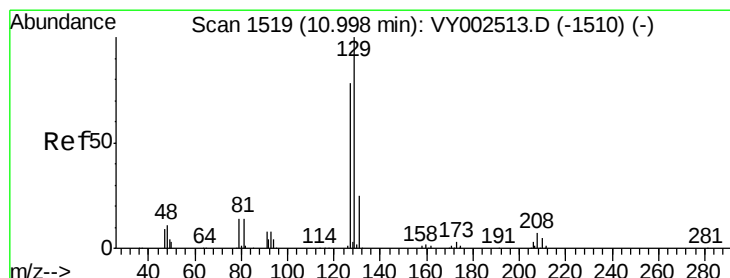
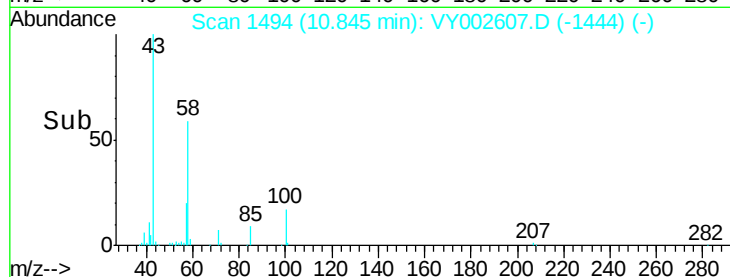
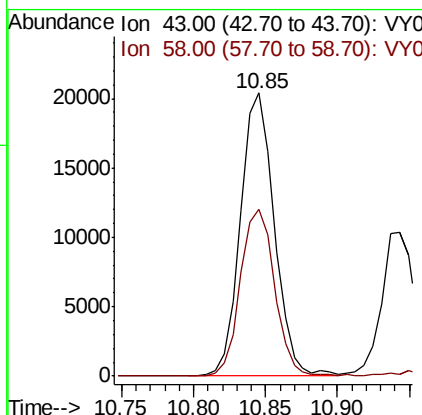
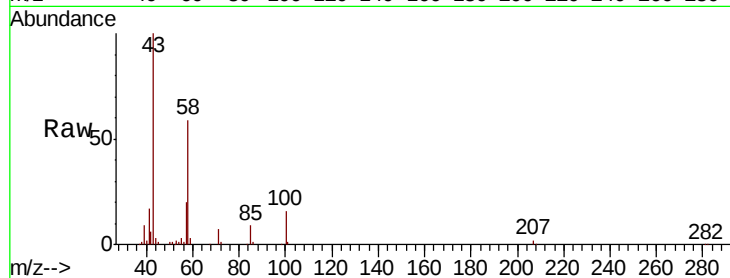




#59
2-Hexanone
Concen: 20.697 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

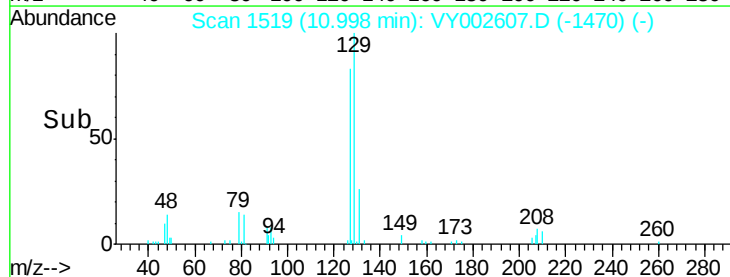
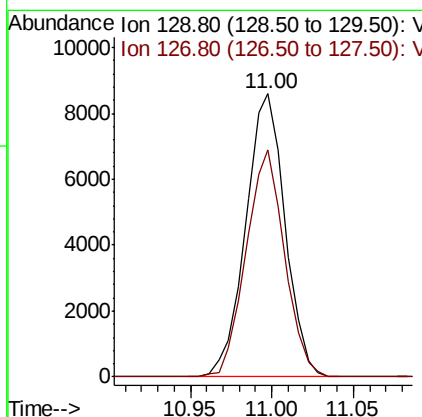
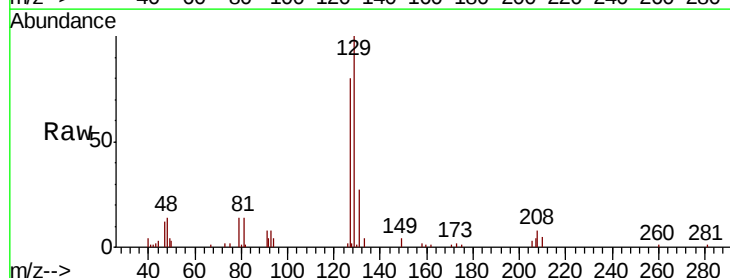
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 33324
Ion Ratio Lower Upper
43 100
58 59.4 29.1 87.3



#60
Dibromochloromethane
Concen: 4.108 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. -0.00 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tgt Ion: 129 Resp: 14395
Ion Ratio Lower Upper
129 100
127 78.4 39.0 117.0

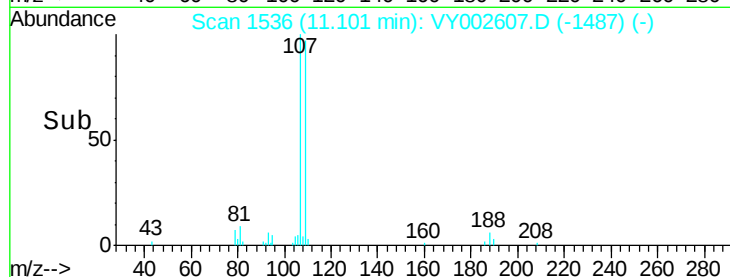
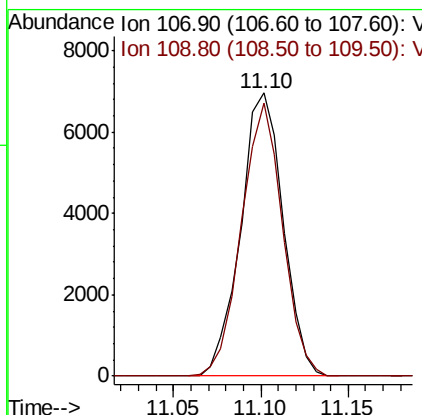
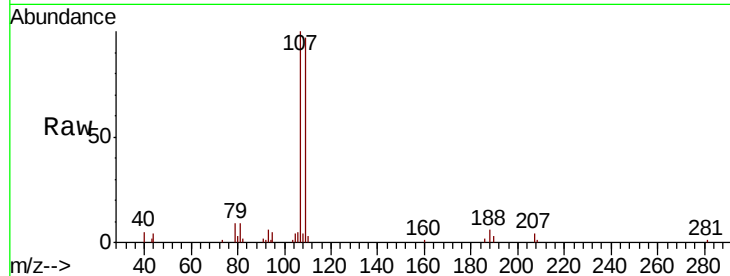




#61
 1,2-Dibromoethane
 Concen: 4.303 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

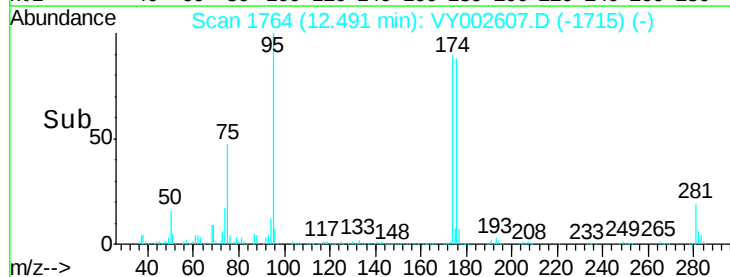
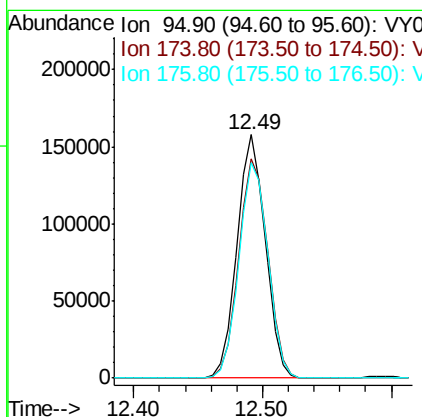
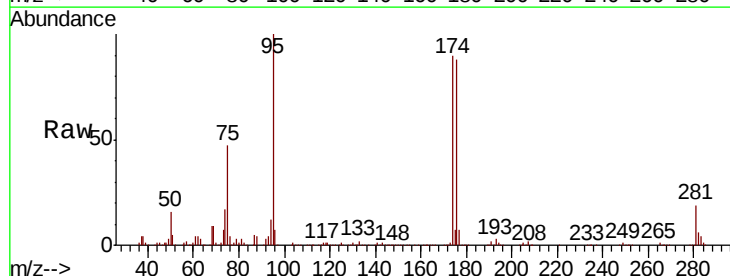
Instrument :
 MSVOA_Y
 ClientSampleId :

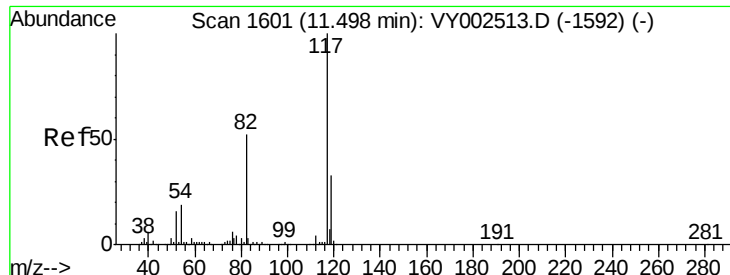
Tot Ion:107 Resp: 11740
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 56.427 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Tgt Ion: 95 Resp: 240320
 Ion Ratio Lower Upper
 95 100
 174 92.5 0.0 188.8
 176 90.1 0.0 183.2

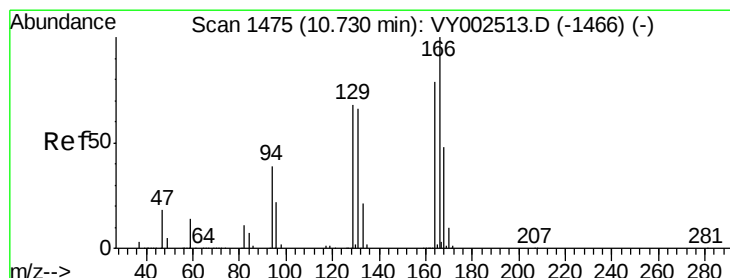
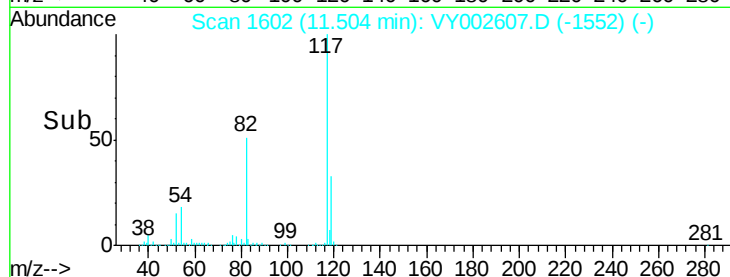
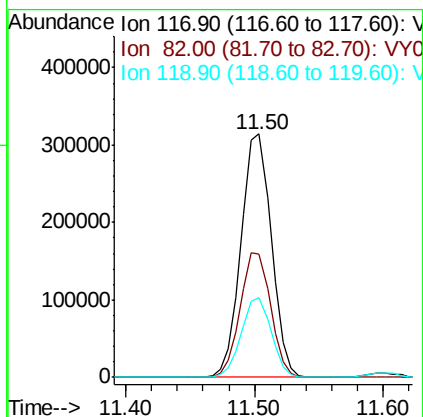
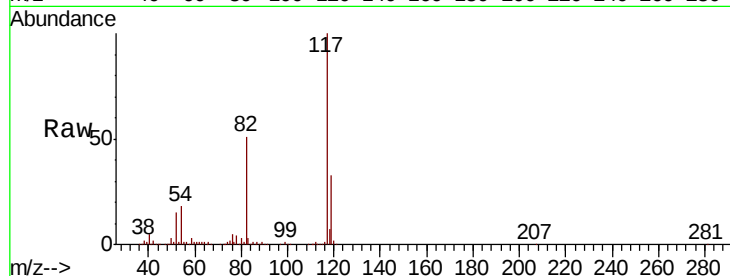




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

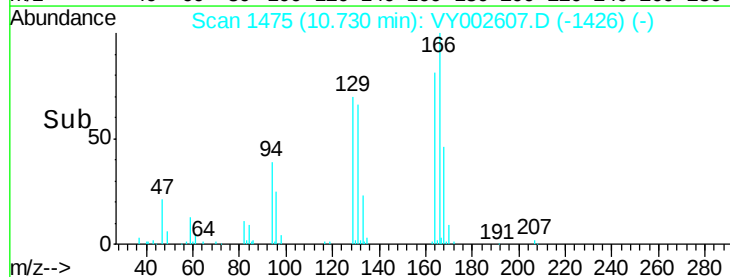
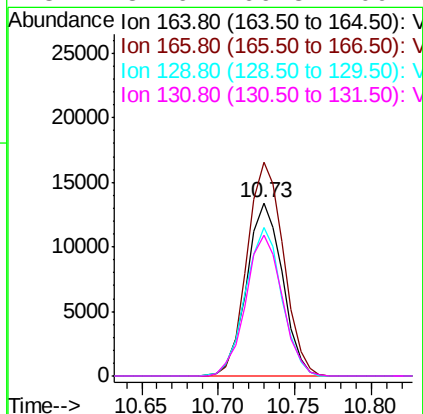
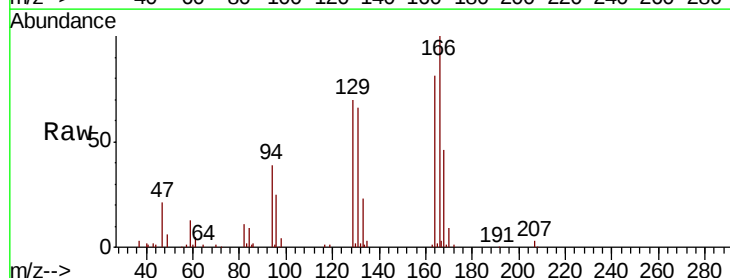
Instrument :
MSVOA_Y
ClientSampleId :

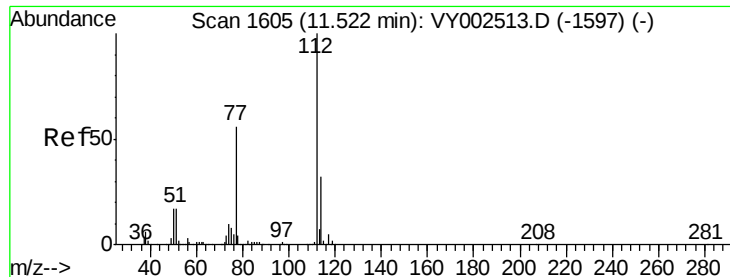
Tot Ion:117 Resp: 511776
Ion Ratio Lower Upper
117 100
82 50.9 41.3 61.9
119 32.6 26.0 39.0



#64
Tetrachloroethene
Concen: 4.811 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tgt Ion:164 Resp: 21874
Ion Ratio Lower Upper
164 100
166 123.2 100.7 151.1
129 85.7 68.3 102.5
131 81.6 66.8 100.2





#65

Chlorobenzene

Concen: 4.311 ug/l

RT: 11.53 min Scan# 1606

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

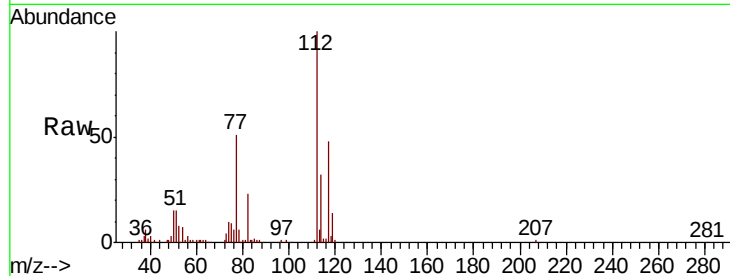
ClientSampleId :

Tot Ion:112 Resp: 41943

Ion Ratio Lower Upper

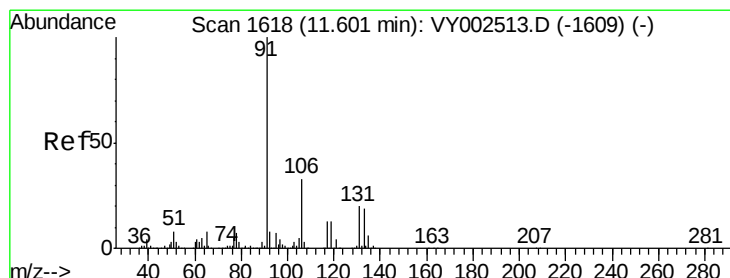
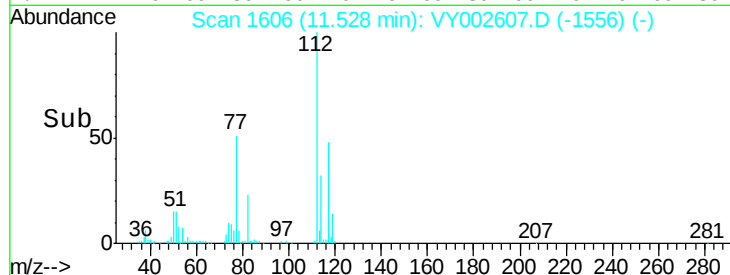
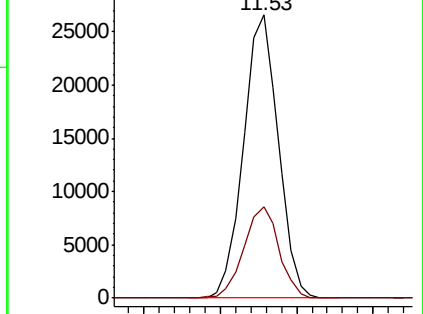
112 100

114 32.1 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.200 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

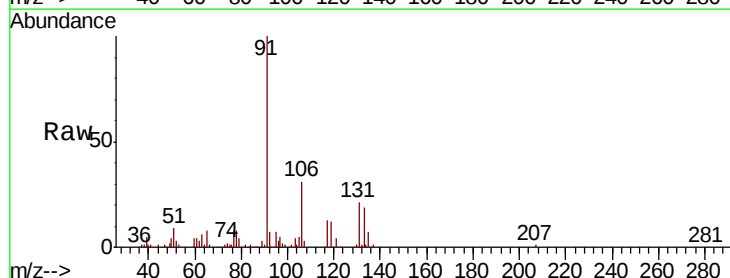
Tgt Ion:131 Resp: 15168

Ion Ratio Lower Upper

131 100

133 95.5 48.1 144.4

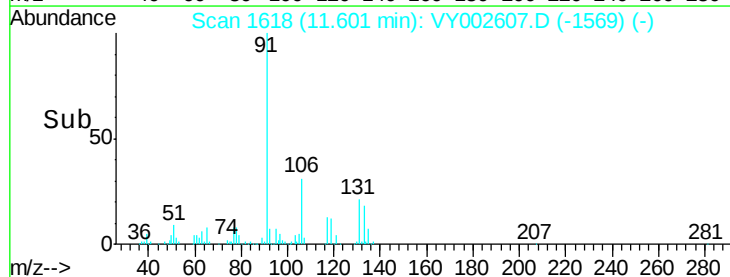
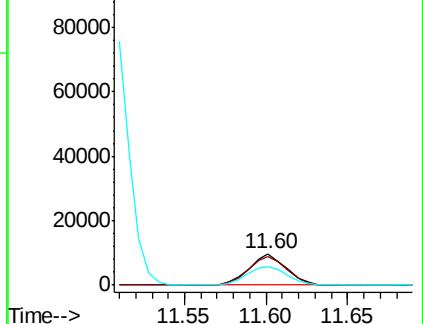
119 64.2 31.6 95.0

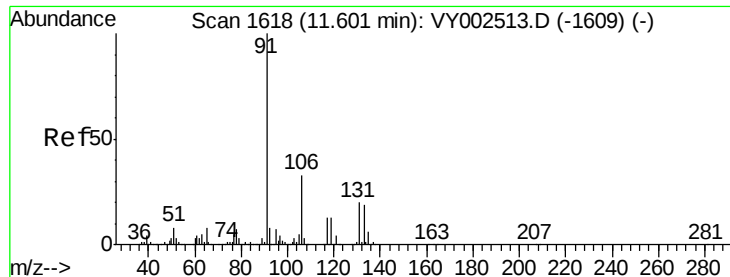


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

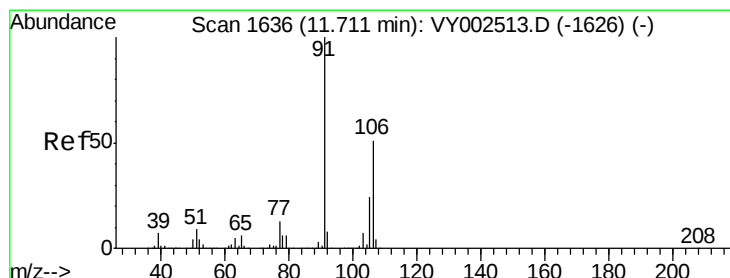
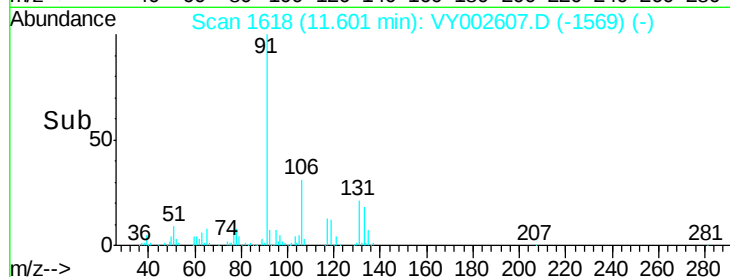
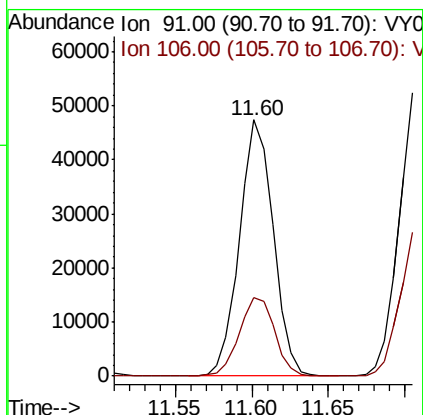
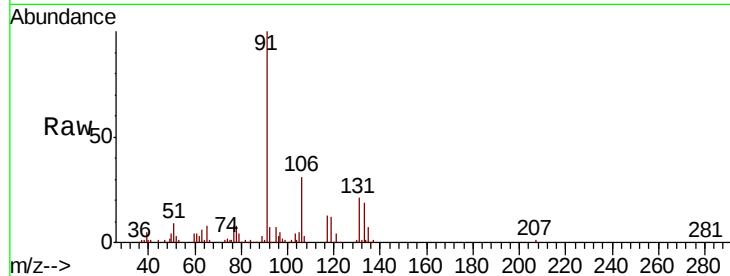




#67
Ethyl Benzene
Concen: 4.260 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

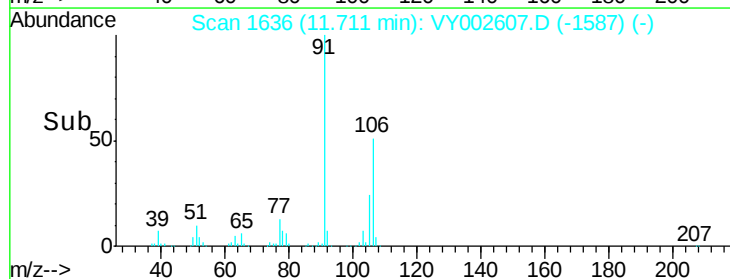
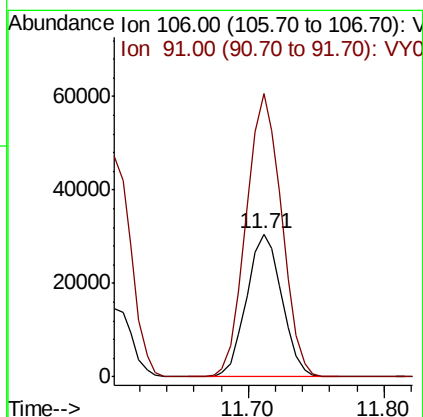
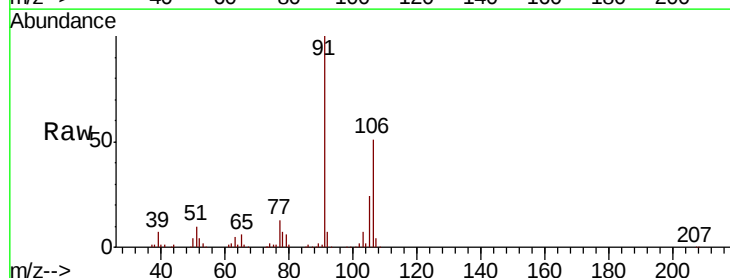
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 91 Resp: 72805
Ion Ratio Lower Upper
91 100
106 30.9 26.1 39.1



#68
m/p-Xylenes
Concen: 8.380 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tgt Ion: 106 Resp: 55408
Ion Ratio Lower Upper
106 100
91 199.9 155.2 232.8

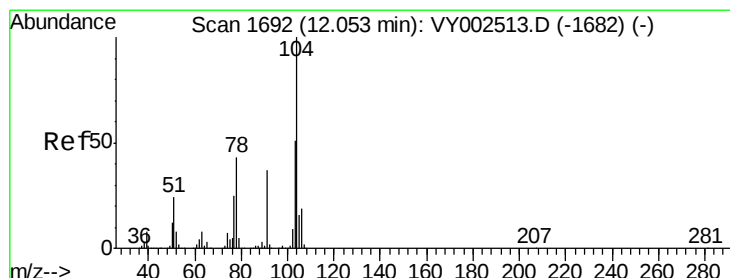
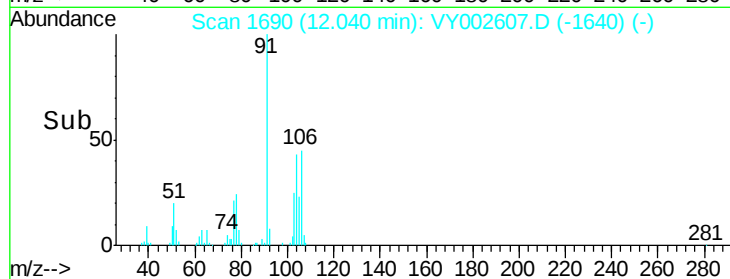
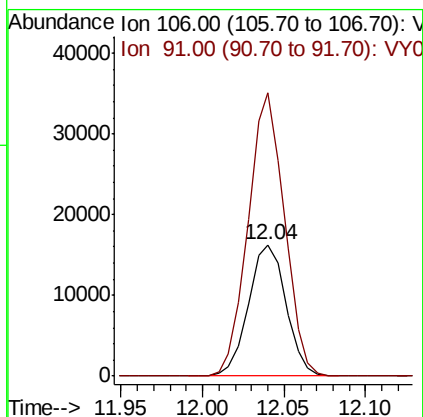
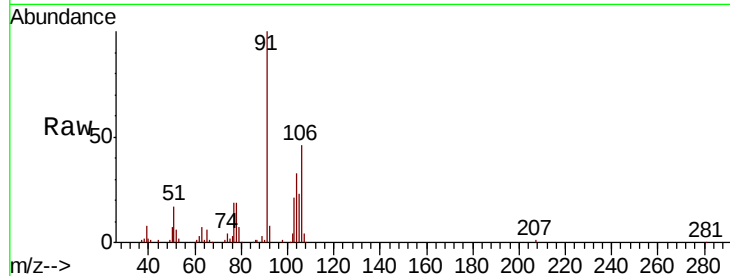




#69
o-Xylene
Concen: 4.201 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

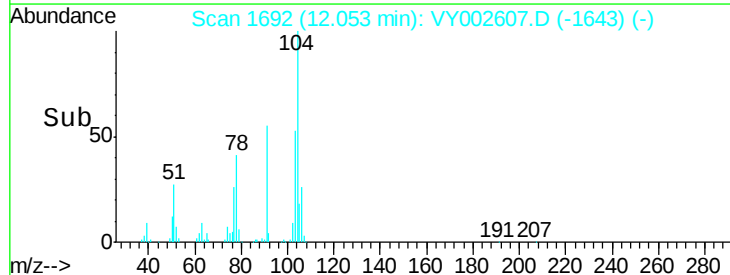
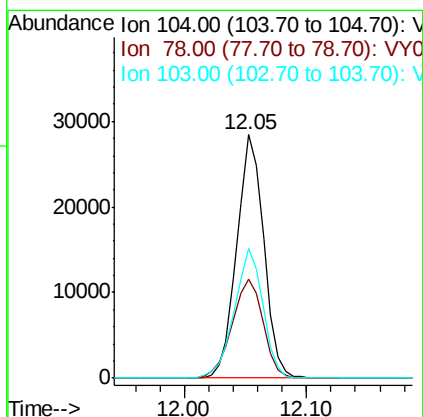
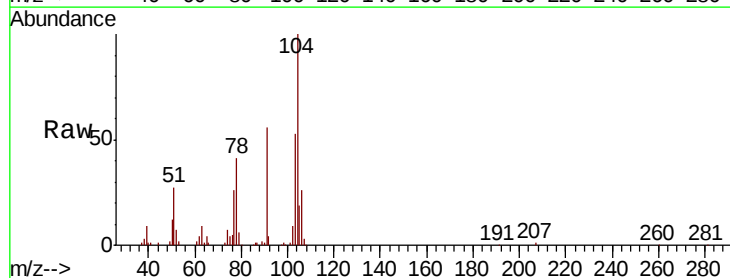
Instrument :
MSVOA_Y
ClientSampleId :

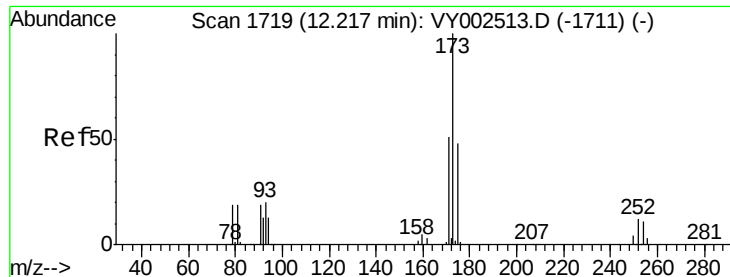
Tot Ion:106 Resp: 26007
Ion Ratio Lower Upper
106 100
91 209.6 103.8 311.3



#70
Styrene
Concen: 4.110 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tgt Ion:104 Resp: 43504
Ion Ratio Lower Upper
104 100
78 46.2 37.4 56.0
103 56.2 43.9 65.9

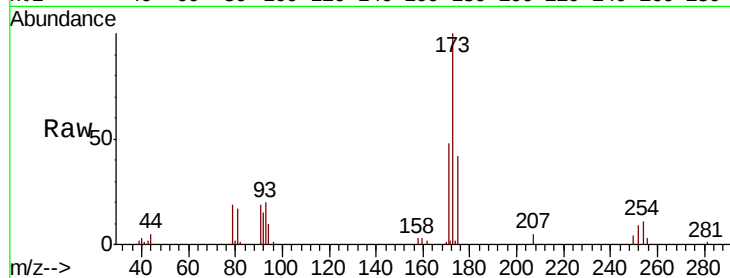




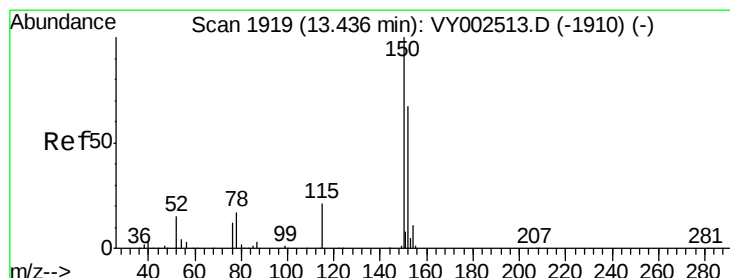
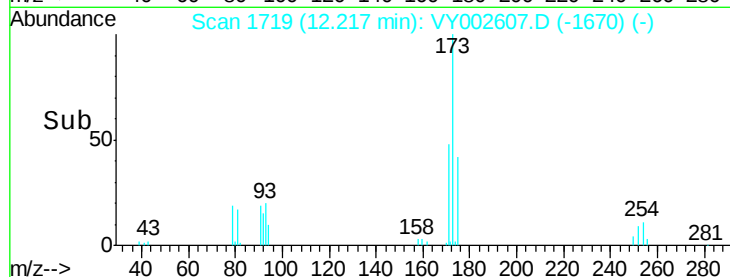
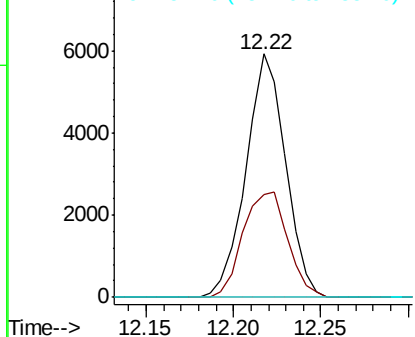
#71
Bromoform
Concen: 4.155 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. -0.00 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:173 Resp: 9313
Ion Ratio Lower Upper
173 100
175 48.7 24.3 72.8
254 0.0 0.2 0.2#

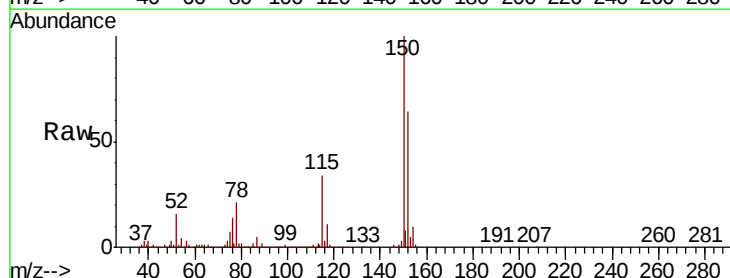


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

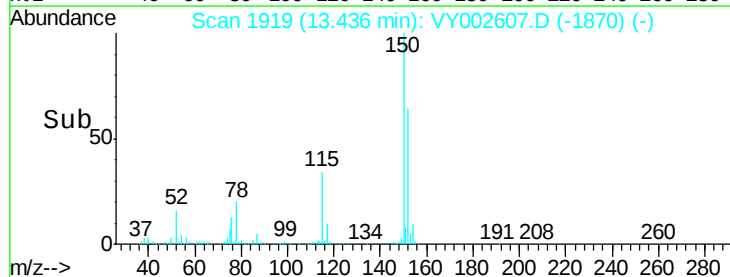
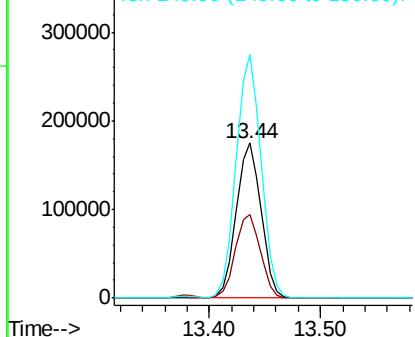


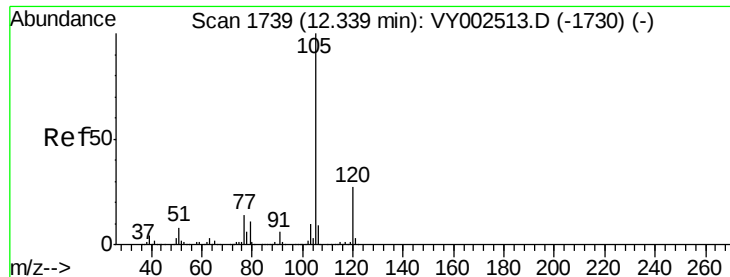
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tgt Ion:152 Resp: 269070
Ion Ratio Lower Upper
152 100
115 54.8 27.5 82.4
150 158.4 0.0 346.4



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





#73

Isopropylbenzene

Concen: 4.232 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

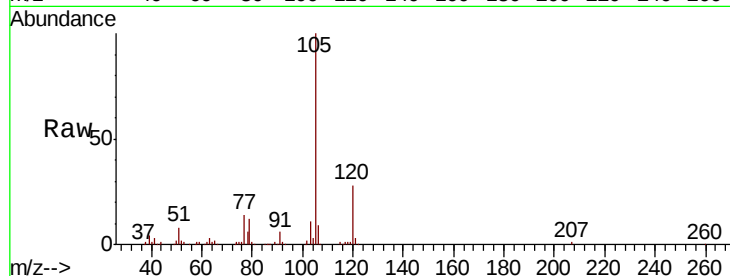
ClientSampled :

Tot Ion:105 Resp: 73798

Ion Ratio Lower Upper

105 100

120 26.7 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.34

50000

40000

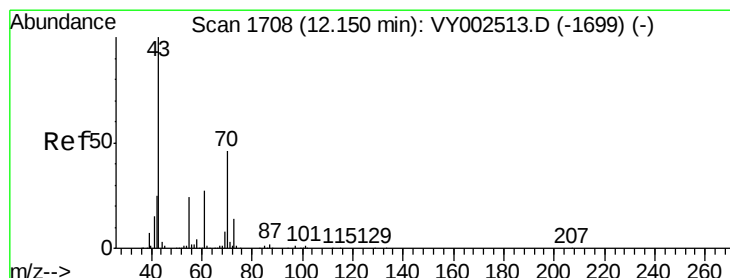
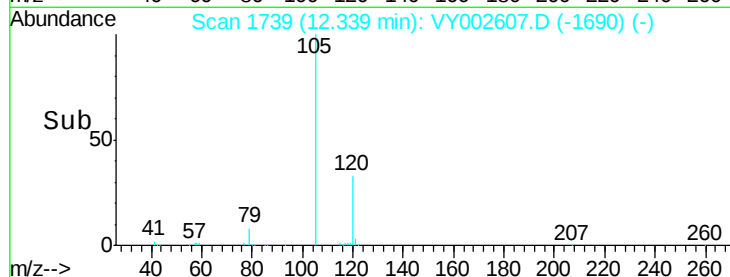
30000

20000

10000

0

Time--> 12.25 12.30 12.35 12.40



#74

N-ethyl acetate

Concen: 4.116 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Tgt Ion: 43 Resp: 17267

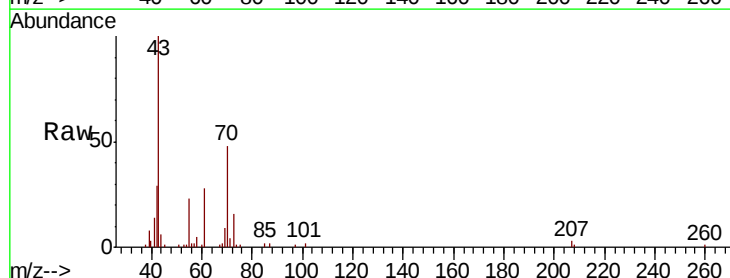
Ion Ratio Lower Upper

43 100

70 45.1 36.7 55.1

55 26.0 19.2 28.8

61 26.0 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

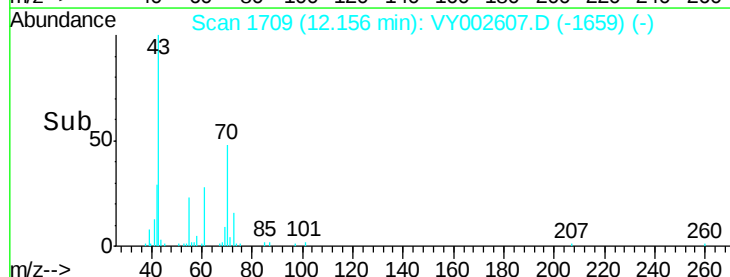
15000

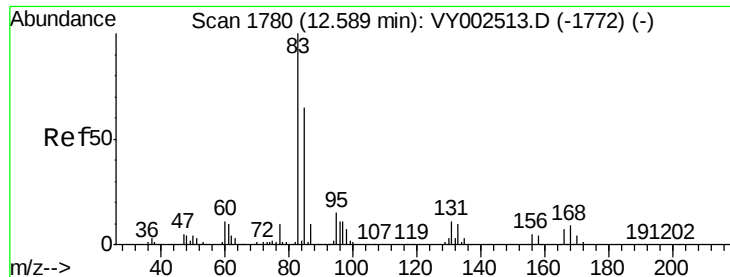
10000

5000

0

Time--> 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 3.873 ug/l

RT: 12.60 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

ClientSampleId :

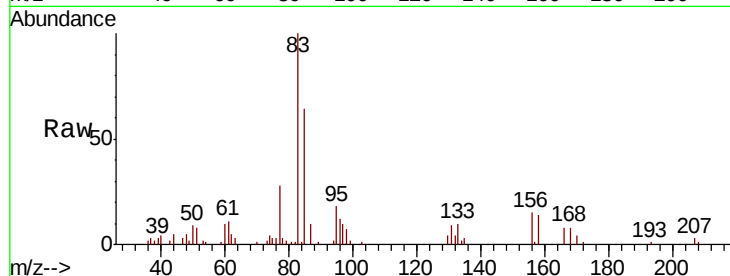
Tot Ion: 83 Resp: 10742

Ion Ratio Lower Upper

83 100

131 10.9 5.9 17.8

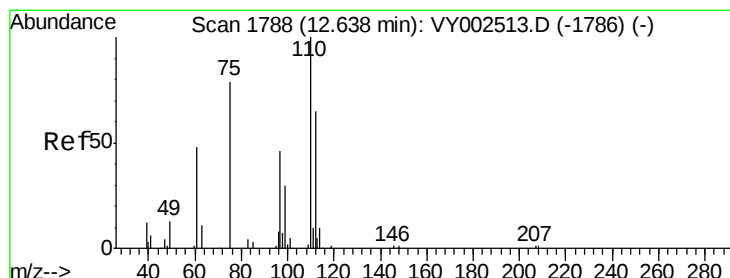
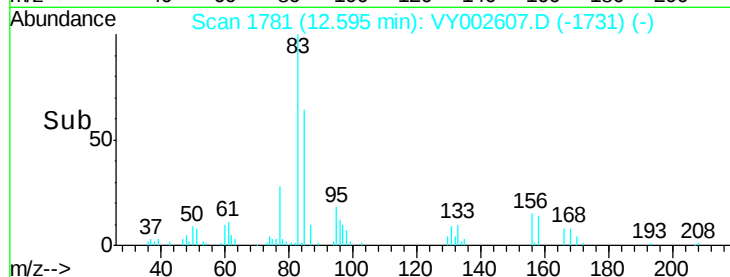
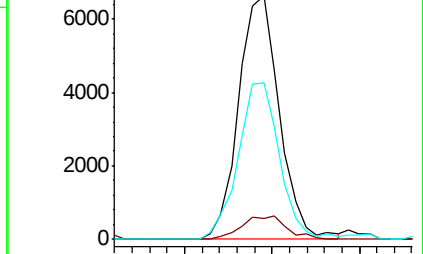
85 65.4 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VY002607.D (-1772) (-)

Ion 130.80 (130.50 to 131.50): VY002607.D (-1772) (-)

Ion 84.90 (84.60 to 85.60): VY002607.D (-1772) (-)



#76

1,2,3-Trichloropropane

Concen: 7.379 ug/l

RT: 12.64 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VY002607.D

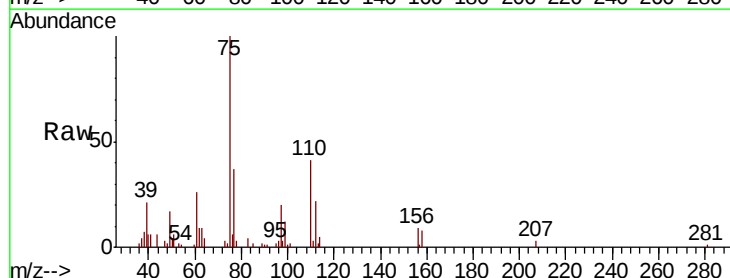
Acq: 06 May 2020 12:04

Tgt Ion: 75 Resp: 17645

Ion Ratio Lower Upper

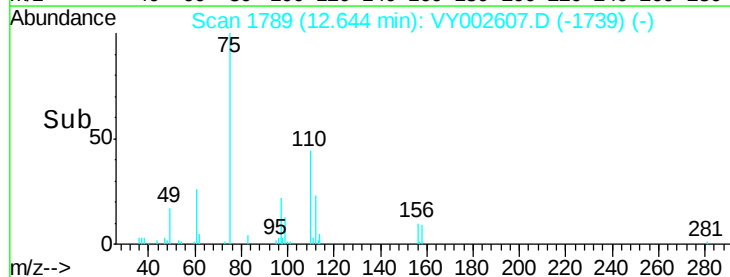
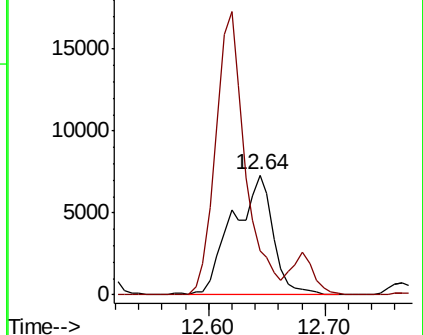
75 100

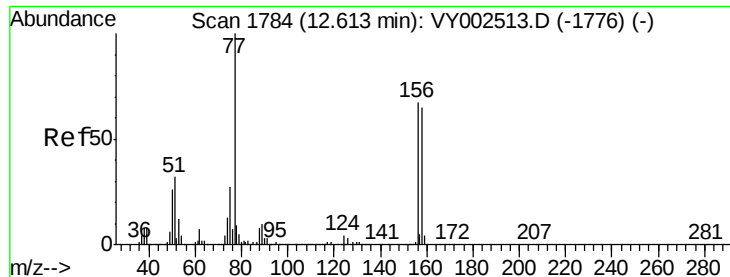
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY002607.D (-1739) (-)

Ion 77.00 (76.70 to 77.70): VY002607.D (-1739) (-)





#77

Bromobenzene

Concen: 4.241 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

ClientSampleId :

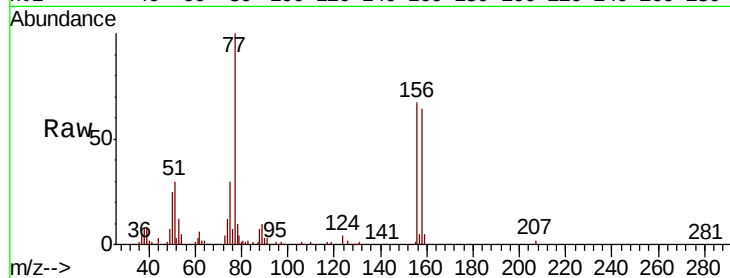
Tot Ion:156 Resp: 18475

Ion Ratio Lower Upper

156 100

77 164.1 82.0 245.8

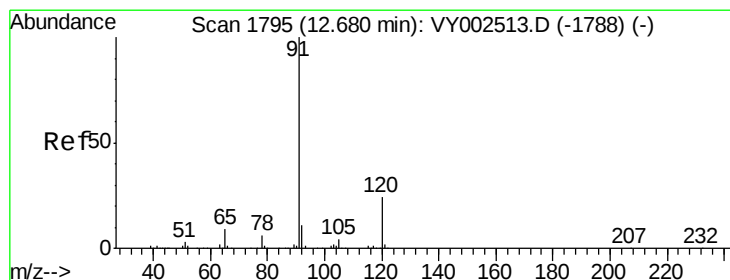
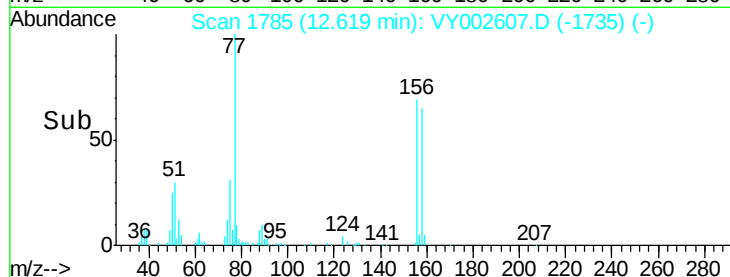
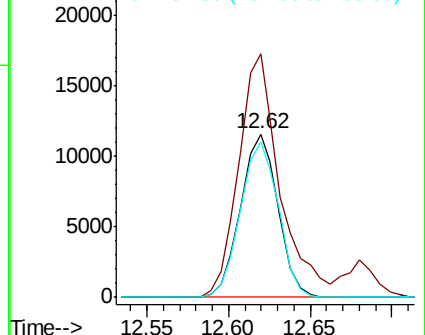
158 96.6 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.229 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VY002607.D

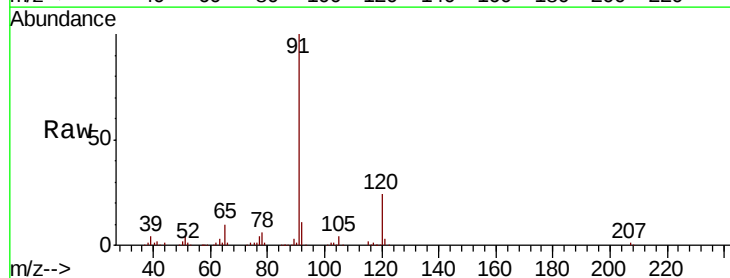
Acq: 06 May 2020 12:04

Tgt Ion: 91 Resp: 85582

Ion Ratio Lower Upper

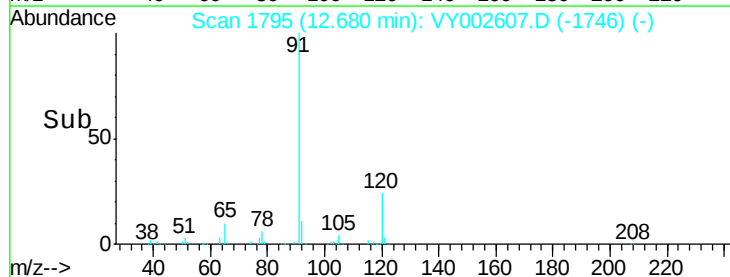
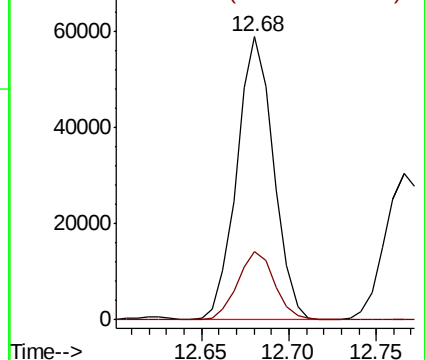
91 100

120 24.2 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.289 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

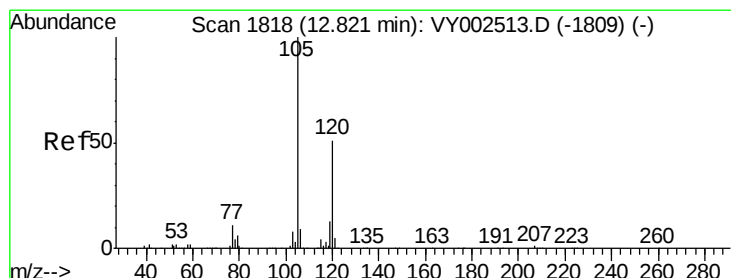
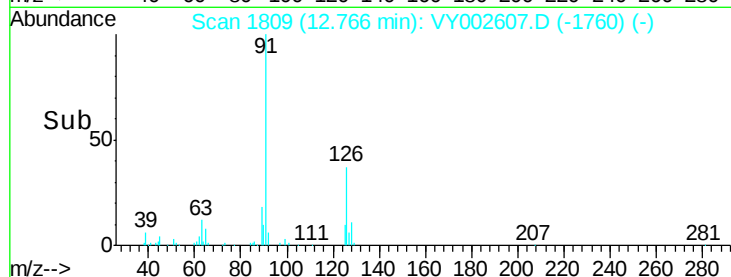
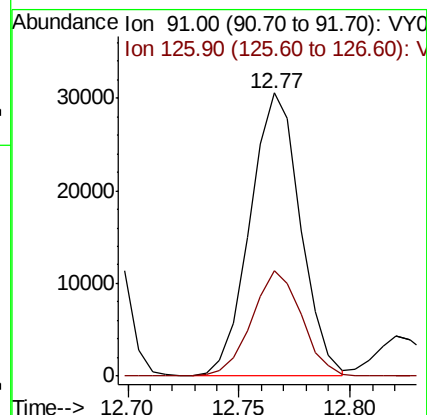
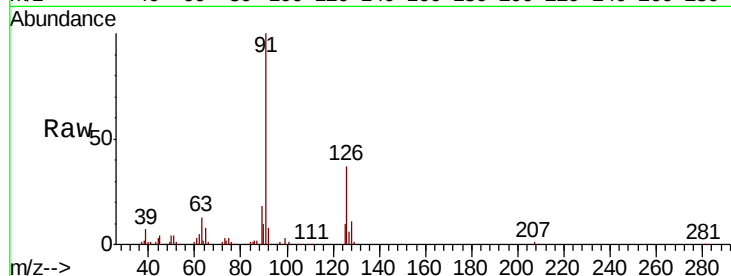
ClientSampleId :

Tot Ion: 91 Resp: 48073

Ion Ratio Lower Upper

91 100

126 36.6 18.4 55.2



#80

1,3,5-Trimethylbenzene

Concen: 4.122 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY002607.D

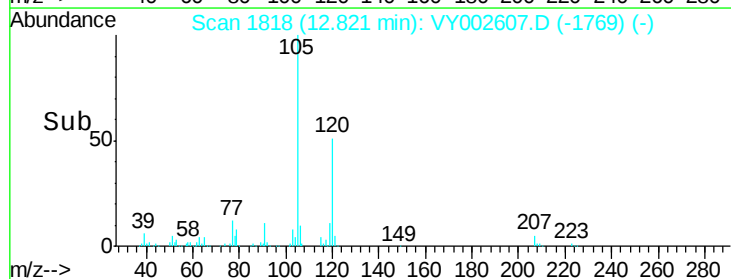
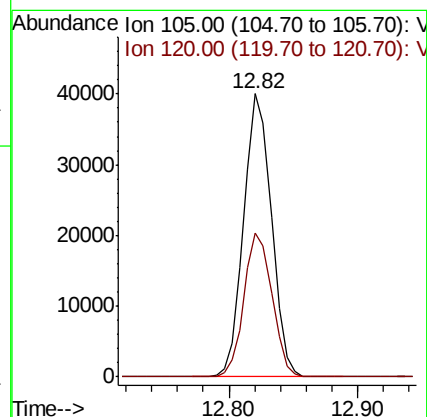
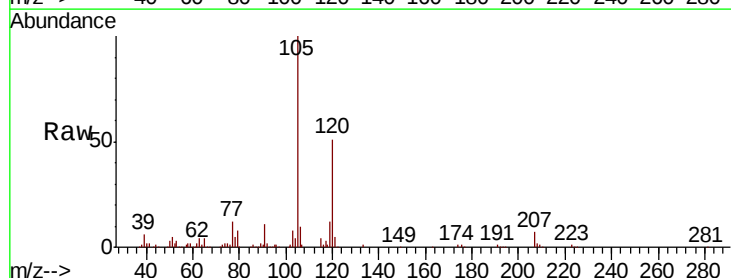
Acq: 06 May 2020 12:04

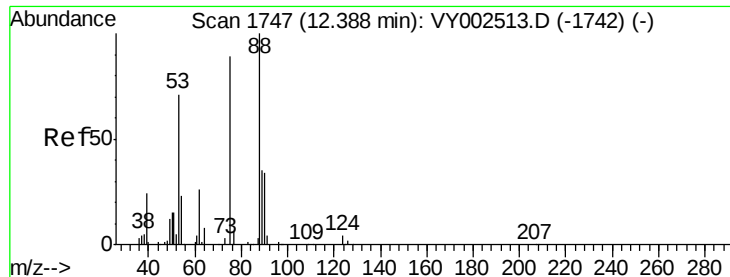
Tgt Ion: 105 Resp: 59583

Ion Ratio Lower Upper

105 100

120 51.3 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 4.083 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

ClientSampleId :

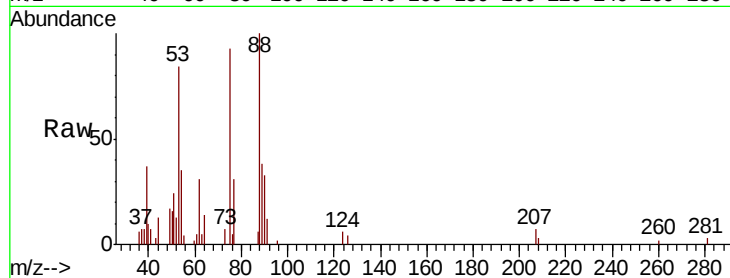
Tot Ion: 75 Resp: 4869

Ion Ratio Lower Upper

75 100

53 79.6 67.4 101.0

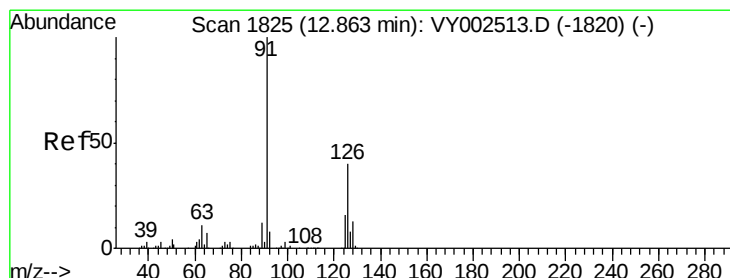
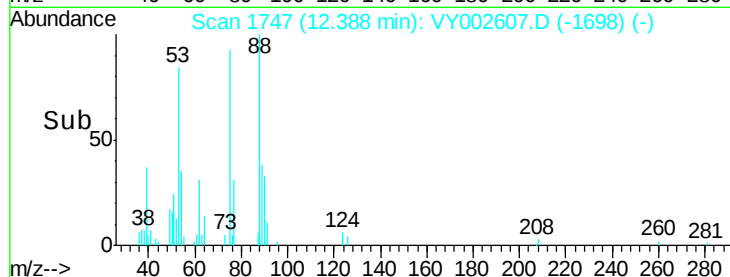
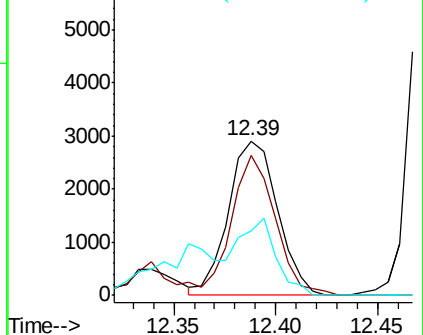
89 42.0 37.4 56.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 4.213 ug/l

RT: 12.86 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VY002607.D

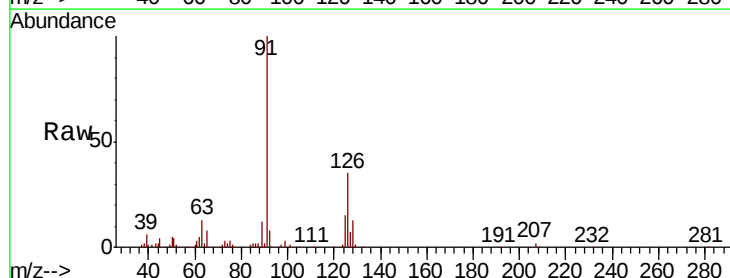
Acq: 06 May 2020 12:04

Tgt Ion: 91 Resp: 49608

Ion Ratio Lower Upper

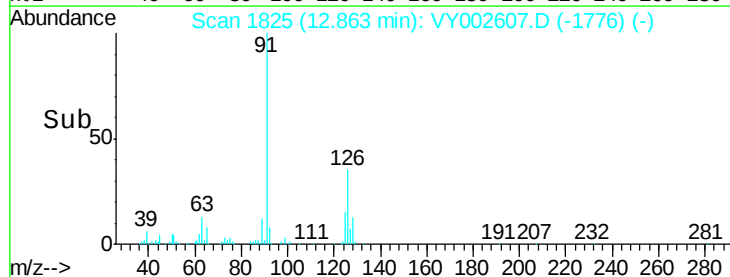
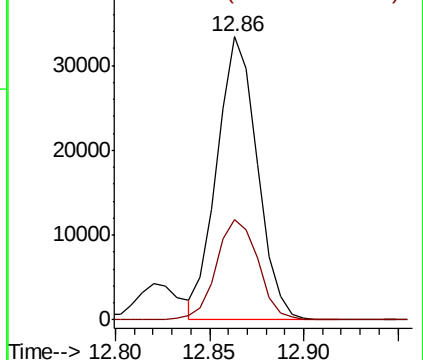
91 100

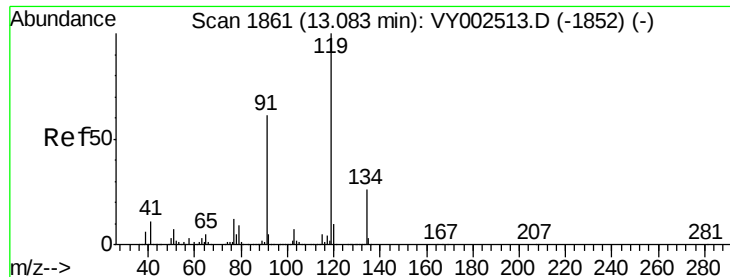
126 36.4 18.5 55.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

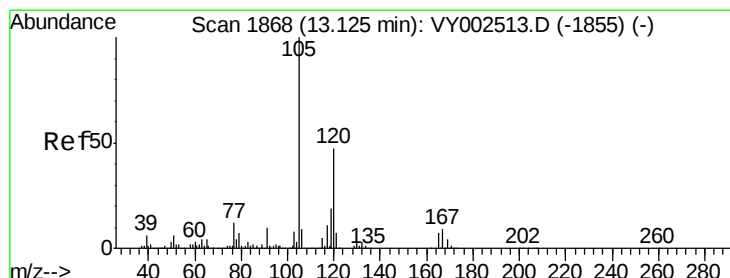
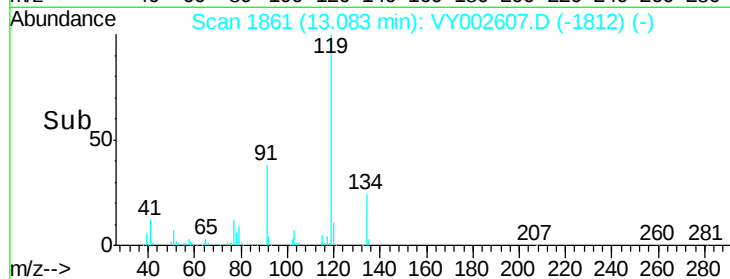
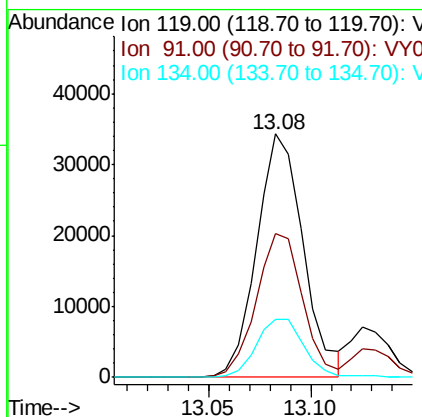
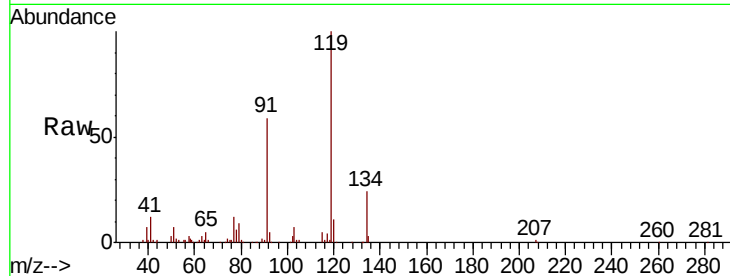




#83
 tert-Butylbenzene
 Concen: 4.299 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

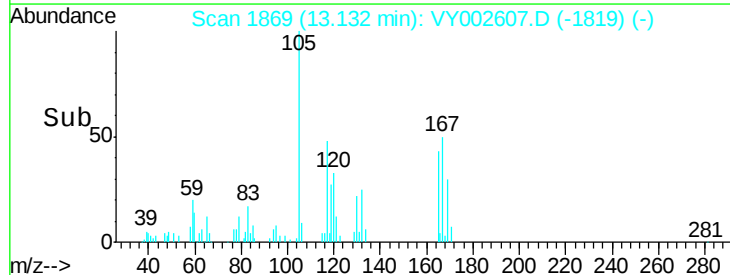
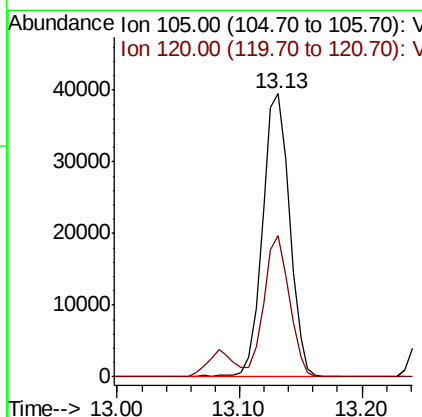
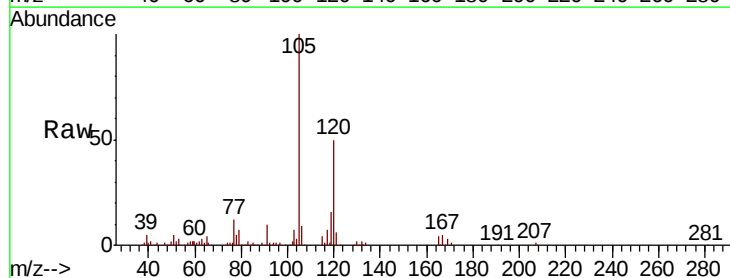
Instrument :
 MSVOA_Y
 ClientSampleId :

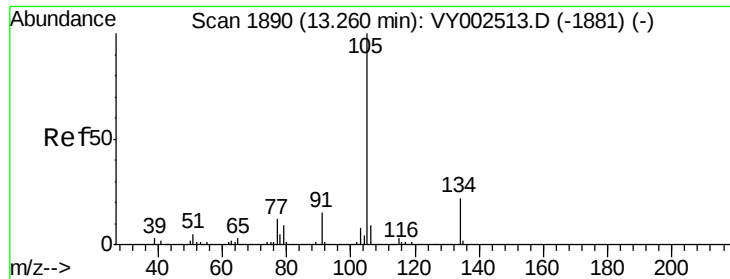
Tot Ion:119 Resp: 54482
 Ion Ratio Lower Upper
 119 100
 91 59.0 30.6 91.6
 134 24.9 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 4.230 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Tgt Ion:105 Resp: 60943
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.4 70.3





#85

sec-Butylbenzene

Concen: 4.254 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

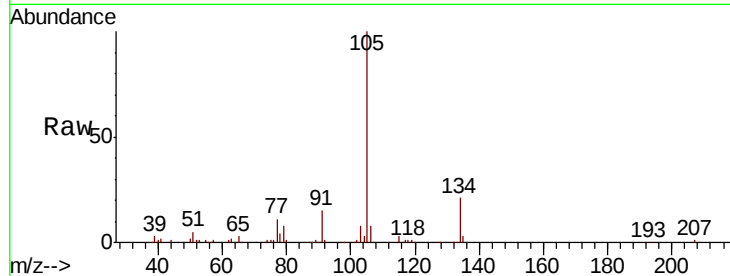
ClientSampleId :

Tot Ion:105 Resp: 74818

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

13.27

50000

40000

30000

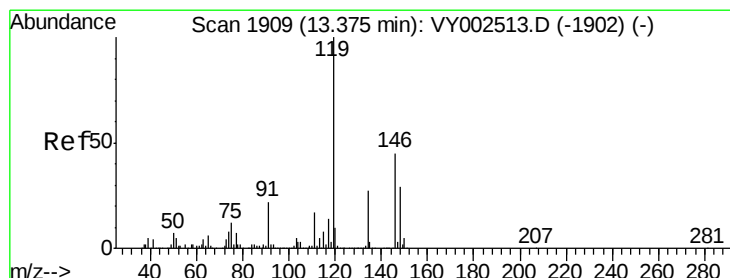
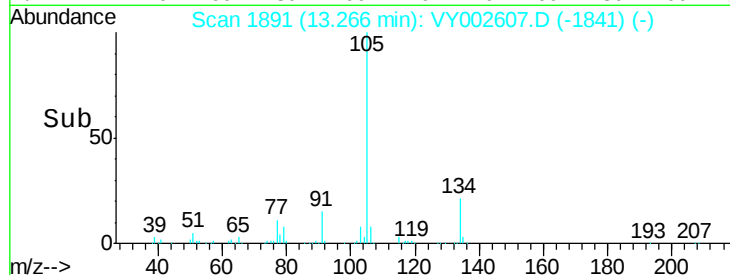
20000

10000

0

13.20 13.25 13.30

Time-->



#86

p-Isopropyltoluene

Concen: 4.230 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

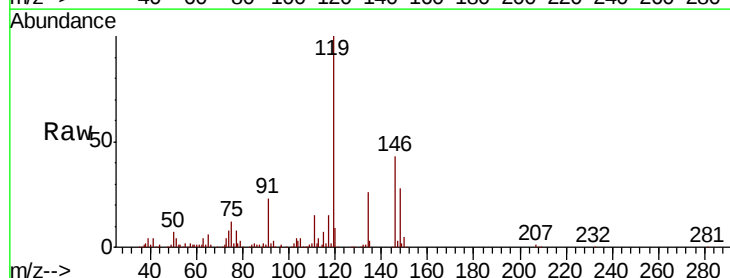
Tgt Ion:119 Resp: 69710

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

91 21.7 10.9 32.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

60000

50000

40000

30000

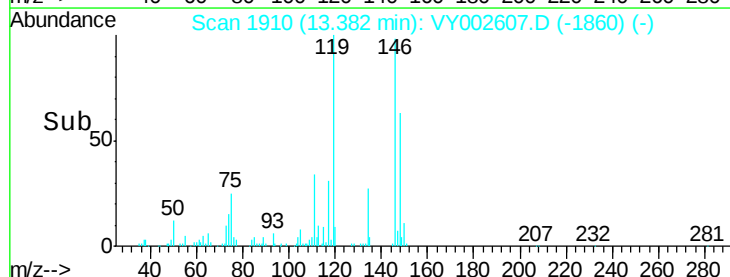
20000

10000

0

13.30 13.35 13.40 13.45

Time-->

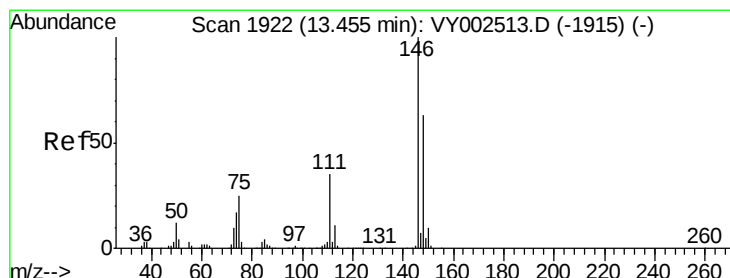
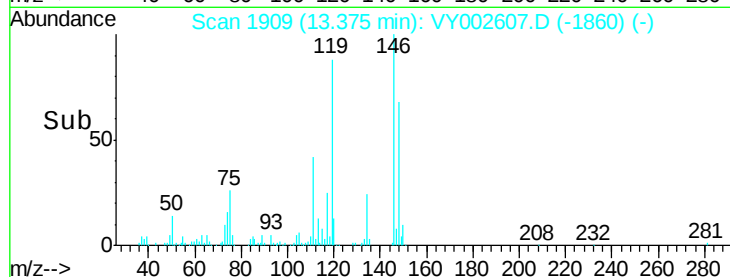
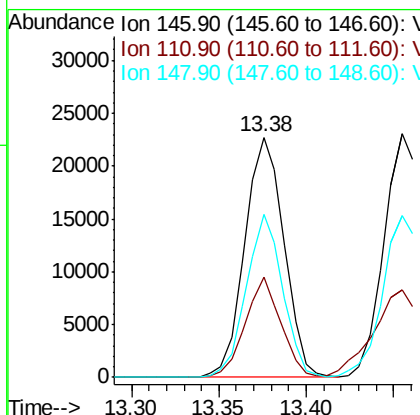
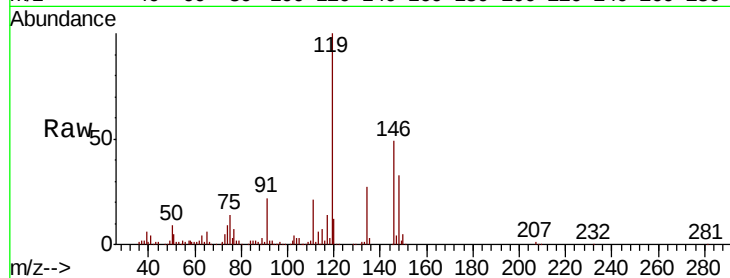




#87
 1,3-Dichlorobenzene
 Concen: 4.299 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

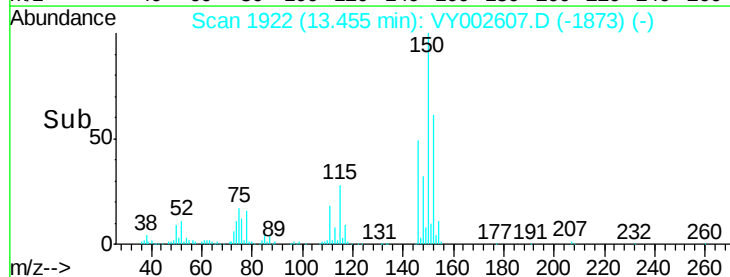
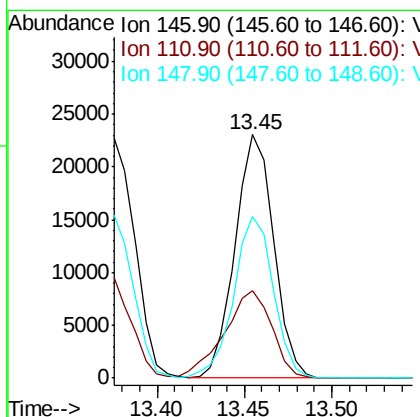
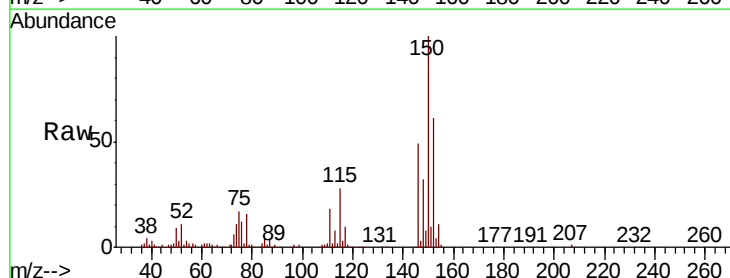
Instrument :
 MSVOA_Y
 ClientSampleId :

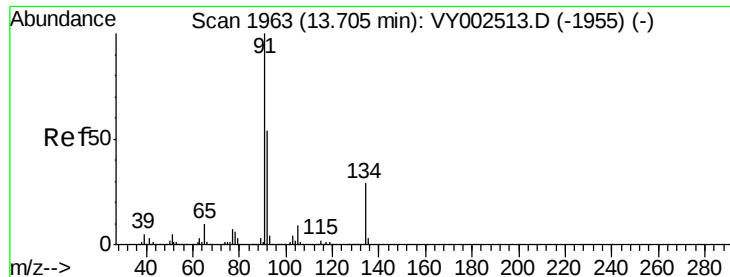
Tot Ion:146 Resp: 35453
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.8 56.3
 148 62.9 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 4.349 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Tgt Ion:146 Resp: 35510
 Ion Ratio Lower Upper
 146 100
 111 44.1 18.1 54.1
 148 68.0 31.9 95.5





#89

n-Butylbenzene

Concen: 4.293 ug/l

RT: 13.70 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

ClientSampleId :

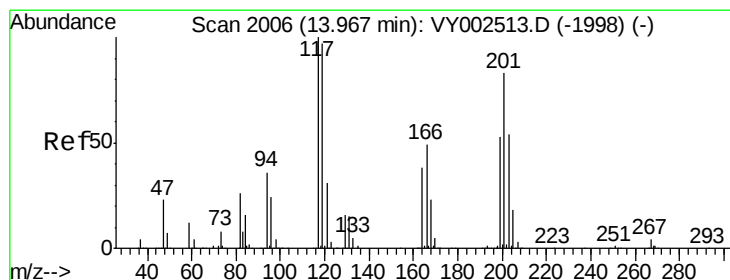
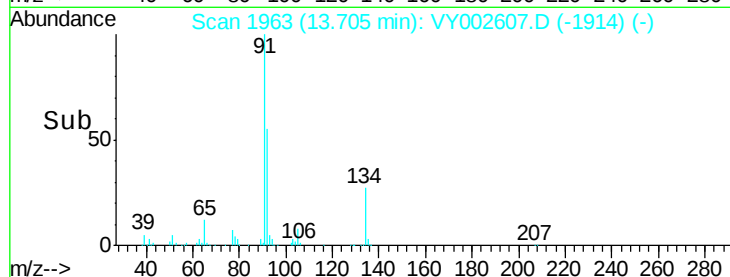
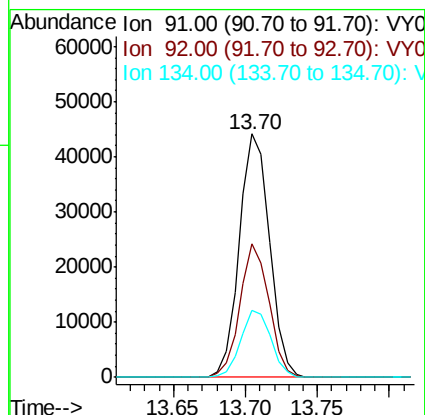
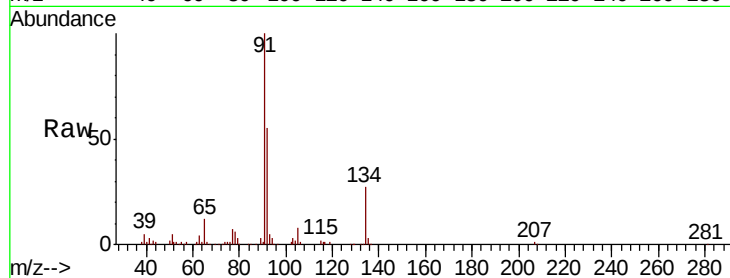
Tot Ion: 91 Resp: 64397

Ion	Ratio	Lower	Upper
91	100		
92	53.0	27.1	81.3
134	27.4	14.4	43.0

91 100

92 53.0 27.1 81.3

134 27.4 14.4 43.0



#90

Hexachloroethane

Concen: 4.134 ug/l

RT: 13.97 min Scan# 2006

Delta R.T. -0.00 min

Lab File: VY002607.D

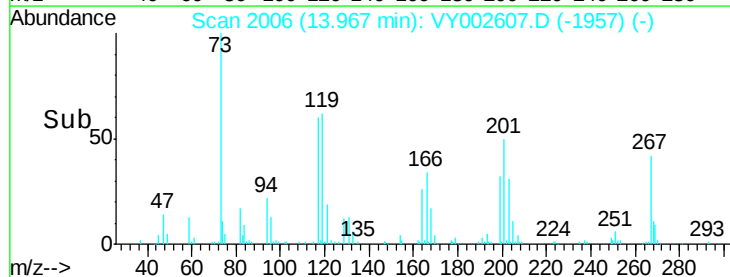
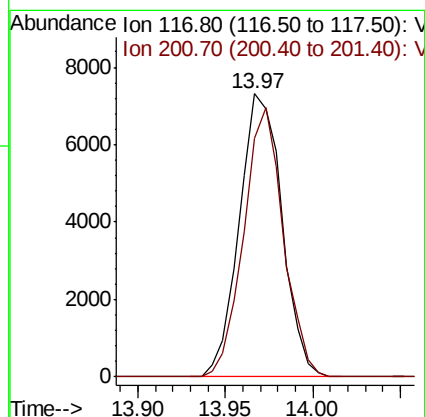
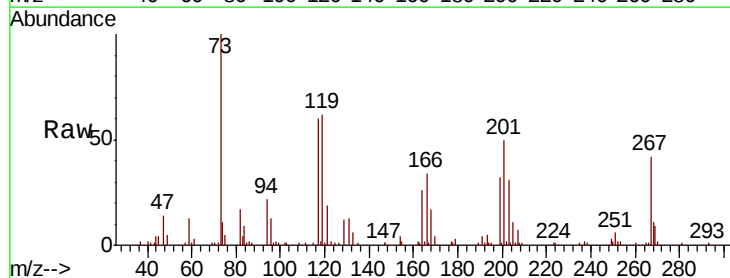
Acq: 06 May 2020 12:04

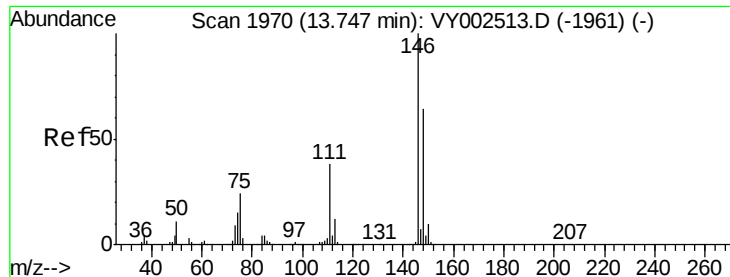
Tgt Ion: 117 Resp: 12405

Ion	Ratio	Lower	Upper
117	100		
201	88.2	44.4	133.2

117 100

201 88.2 44.4 133.2





#91

1,2-Dichlorobenzene

Concen: 4.356 ug/l

RT: 13.75 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

Instrument :

MSVOA_Y

ClientSampleId :

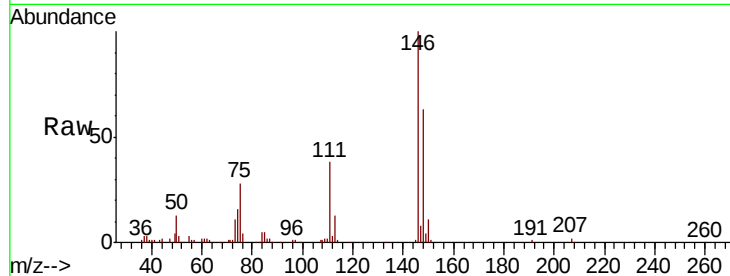
Tot Ion:146 Resp: 32052

Ion Ratio Lower Upper

146 100

111 37.8 19.1 57.5

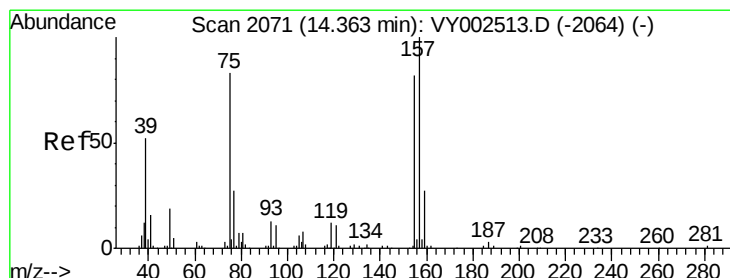
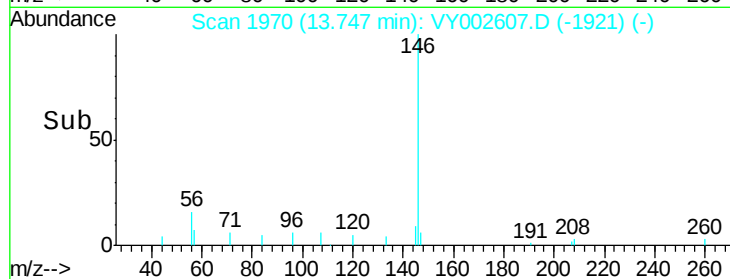
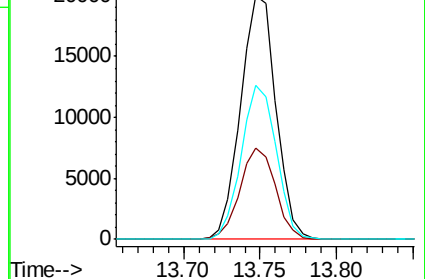
148 63.1 31.9 95.7



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: 4.420 ug/l

RT: 14.37 min Scan# 2072

Delta R.T. 0.01 min

Lab File: VY002607.D

Acq: 06 May 2020 12:04

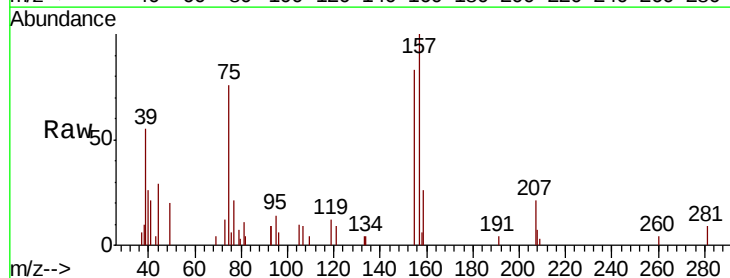
Tgt Ion: 75 Resp: 2285

Ion Ratio Lower Upper

75 100

155 89.9 51.3 153.9

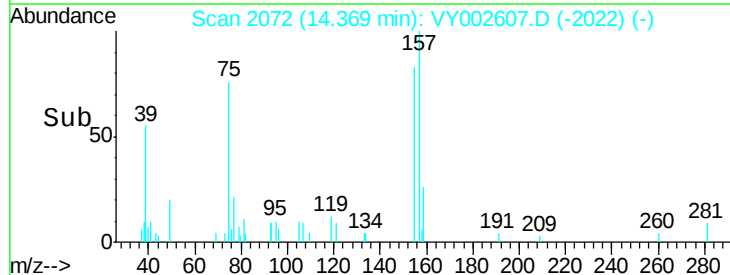
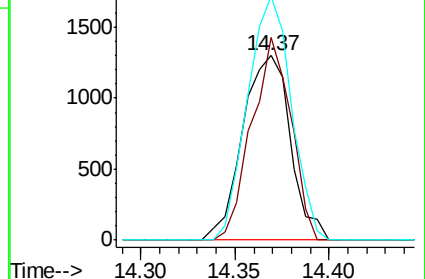
157 121.1 65.0 195.0

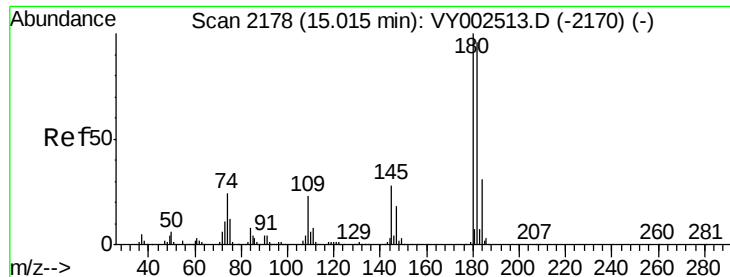


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

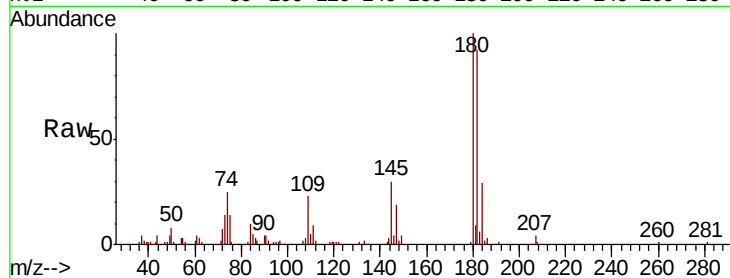




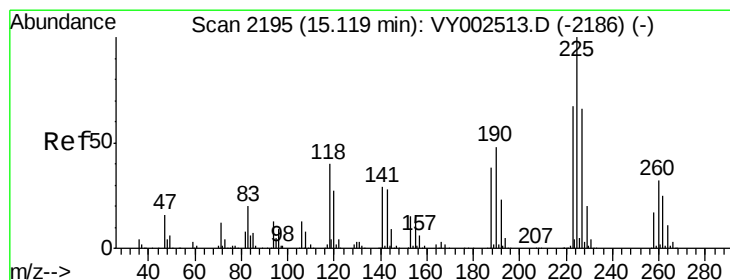
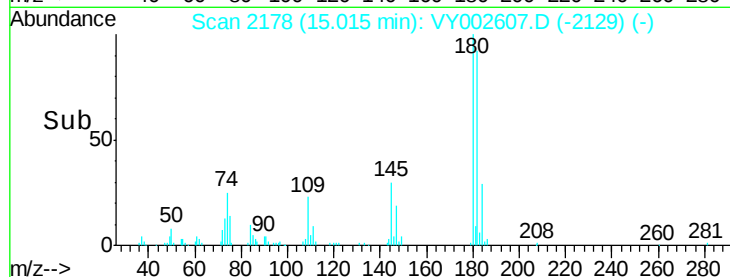
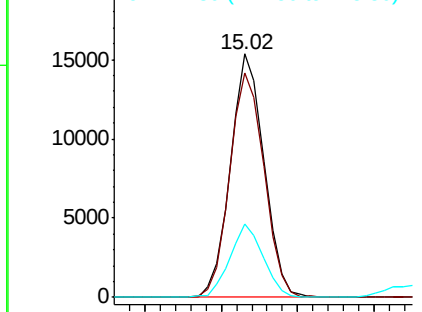
#93
 1,2,4-Trichlorobenzene
 Concen: 4.369 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	180	Resp	23337
Ion Ratio	100	Lower	Upper
182	94.4	47.9	143.6
145	29.9	14.4	43.0

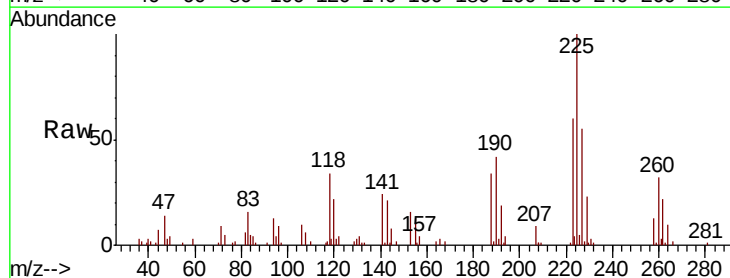


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

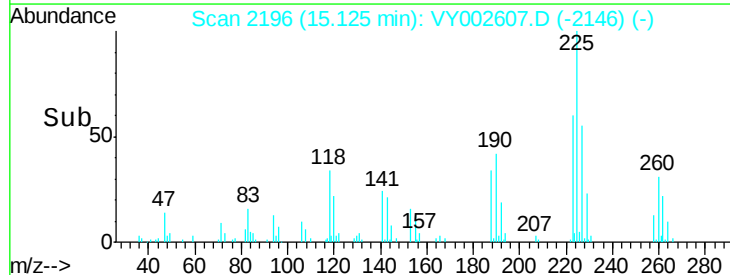
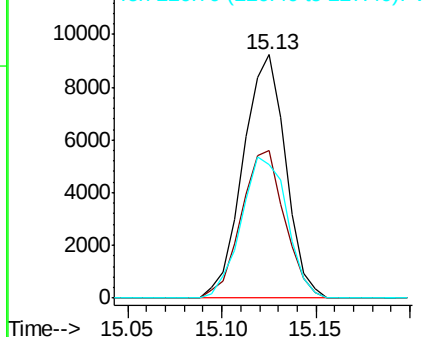


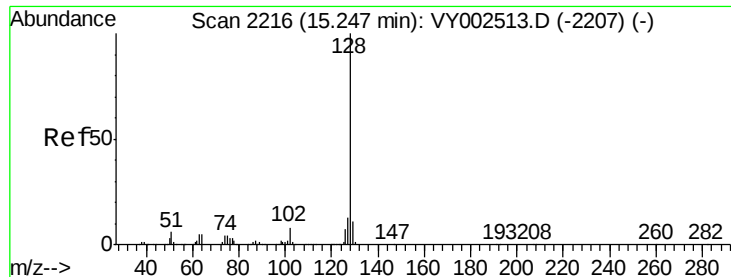
#94
 Hexachlorobutadiene
 Concen: 4.495 ug/l
 RT: 15.13 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY002607.D
 Acq: 06 May 2020 12:04

Tgt Ion	225	Resp	14413
Ion Ratio	100	Lower	Upper
223	62.0	32.1	96.5
227	62.3	32.0	96.2



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

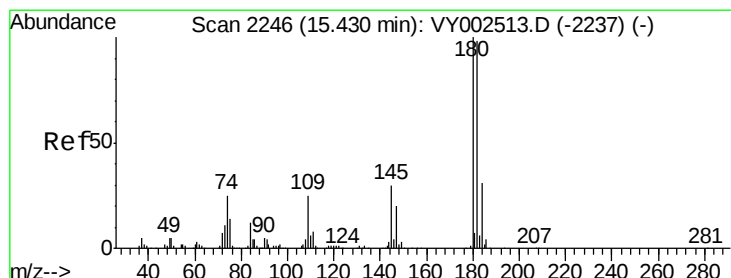
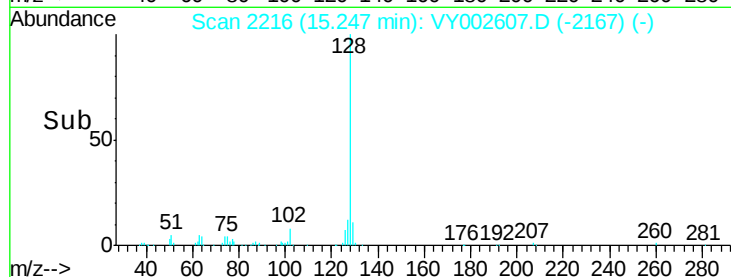
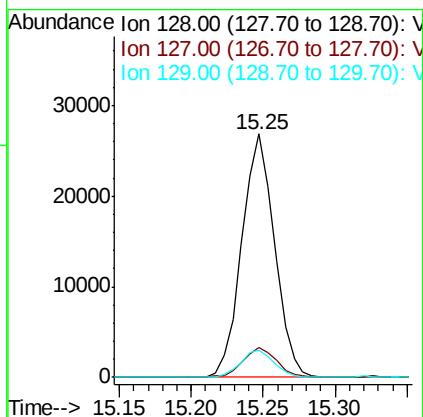
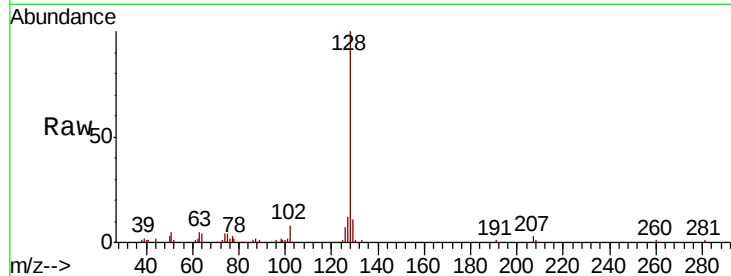




#95
Naphthalene
Concen: 4.336 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.00 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:128 Resp: 42253
Ion Ratio Lower Upper
128 100
127 12.5 10.5 15.7
129 11.3 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 4.367 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY002607.D
Acq: 06 May 2020 12:04

Tgt Ion:180 Resp: 19803
Ion Ratio Lower Upper
180 100
182 97.2 47.9 143.8
145 33.1 15.0 45.1

