

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042820\
 Data File : VY002487.D
 Acq On : 28 Apr 2020 12:30
 Operator : SY/MD
 Sample : VY0428SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 28 15:10:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 14:11:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	294203	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.69	114	422654	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.49	117	384276	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	202816	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	124071	48.25	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	96.50%	
35) Dibromofluoromethane	7.72	113	122532	51.40	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	102.80%	
50) Toluene-d8	10.18	98	465351	48.57	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	97.14%	
62) 4-Bromofluorobenzene	12.49	95	140619	43.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	44569	20.686	ug/l	98
3) Chloromethane	2.12	50	57619	21.018	ug/l	97
4) Vinyl Chloride	2.26	62	36799	18.686	ug/l	96
5) Bromomethane	2.65	94	23885	21.610	ug/l	95
6) Chloroethane	2.80	64	19479	20.601	ug/l	98
7) Trichlorofluoromethane	3.13	101	69451	19.448	ug/l	97
8) Diethyl Ether	3.54	74	31519	21.413	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	51276	20.860	ug/l	99
10) Methyl Iodide	4.10	142	73027	19.258	ug/l	100
11) Tert butyl alcohol	4.96	59	27441	113.383	ug/l	97
12) 1,1-Dichloroethene	3.88	96	53340	21.179	ug/l	98
13) Acrolein	3.74	56	18062	93.228	ug/l	98
14) Allyl chloride	4.49	41	72122	19.486	ug/l	97
15) Acrylonitrile	5.18	53	73036	103.704	ug/l	99
16) Acetone	3.96	43	60994	113.501	ug/l	95
17) Carbon Disulfide	4.20	76	152157	19.375	ug/l	99
18) Methyl Acetate	4.48	43	34022	19.675	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	142921	21.030	ug/l	100
20) Methylene Chloride	4.72	84	59741	19.471	ug/l	95
21) trans-1,2-Dichloroethene	5.23	96	56418	19.897	ug/l	95
22) Diisopropyl ether	6.13	45	143962	19.672	ug/l	98
23) Vinyl Acetate	6.07	43	469749	101.019	ug/l	99
24) 1,1-Dichloroethane	6.03	63	88006	19.863	ug/l	98
25) 2-Butanone	7.00	43	84687	102.865	ug/l	96
26) 2,2-Dichloropropane	6.99	77	86316	20.371	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	62029	20.113	ug/l	99
28) Bromochloromethane	7.35	49	35874	20.755	ug/l	95
29) Tetrahydrofuran	7.36	42	55056	100.865	ug/l	98
30) Chloroform	7.51	83	90777	19.243	ug/l	96
31) Cyclohexane	7.79	56	84028	18.966	ug/l #	91
32) 1,1,1-Trichloroethane	7.71	97	89934	20.176	ug/l	99
36) 1,1-Dichloropropene	7.92	75	72692	20.058	ug/l	100
37) Ethyl Acetate	7.08	43	37307	20.491	ug/l	98
38) Carbon Tetrachloride	7.91	117	86024	20.642	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	86090	18.210	ug/l	96
40) Benzene	8.17	78	213691	20.401	ug/l	99
41) Methacrylonitrile	7.35	41	52554	46.852	ug/l #	42
42) 1,2-Dichloroethane	8.24	62	62569	20.563	ug/l	100
43) Isopropyl Acetate	8.28	43	69069	20.283	ug/l	100
44) Trichloroethene	8.94	130	67610	20.642	ug/l	94
45) 1,2-Dichloropropane	9.22	63	46040	19.071	ug/l	96
46) Dibromomethane	9.31	93	29523	20.902	ug/l	97
47) Bromodichloromethane	9.50	83	72580	20.548	ug/l	98
48) Methyl methacrylate	9.30	41	31789	20.449	ug/l	98
49) 1,4-Dioxane	9.30	88	7953	441.830	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	182378	103.112	ug/l	99
52) Toluene	10.25	92	136970	20.314	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	77153	20.799	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	87334	20.570	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	43733	20.941	ug/l	99
56) Ethyl methacrylate	10.51	69	58995	20.675	ug/l	99
57) 1,3-Dichloropropane	10.79	76	72395	20.533	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	146533	106.192	ug/l	99
59) 2-Hexanone	10.83	43	128287	104.055	ug/l	98
60) Dibromochloromethane	10.99	129	57287	20.935	ug/l	100
61) 1,2-Dibromoethane	11.10	107	43216	20.869	ug/l	100
64) Tetrachloroethene	10.72	164	69294	19.675	ug/l	95
65) Chlorobenzene	11.52	112	153389	20.705	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	58707	21.120	ug/l	100
67) Ethyl Benzene	11.60	91	269566	20.417	ug/l	98
68) m/p-Xylenes	11.70	106	208818	41.084	ug/l	97
69) o-Xylene	12.03	106	74901	15.913	ug/l	100
70) Styrene	12.05	104	128690	15.702	ug/l	98
71) Bromoform	12.21	173	32633	18.636	ug/l #	99
73) Isopropylbenzene	12.33	105	207863	15.330	ug/l	99
74) N-amyl acetate	12.14	43	50007	15.564	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	32257	15.490	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	60020	34.916	ug/l #	100
77) Bromobenzene	12.61	156	61136	17.978	ug/l	99
78) n-propylbenzene	12.67	91	289197	18.370	ug/l	99
79) 2-Chlorotoluene	12.76	91	171916	19.956	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	228537	19.859	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	14950	16.094	ug/l	94
82) 4-Chlorotoluene	12.86	91	183440	20.603	ug/l	98
83) tert-Butylbenzene	13.08	119	199228	19.936	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	230639	20.889	ug/l	99
85) sec-Butylbenzene	13.25	105	273188	20.416	ug/l	98
86) p-Isopropyltoluene	13.37	119	262685	20.585	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	130348	20.724	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	130305	20.835	ug/l	99
89) n-Butylbenzene	13.70	91	236312	20.074	ug/l	99
90) Hexachloroethane	13.96	117	46016	19.950	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	119075	21.983	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8771	21.215	ug/l	98

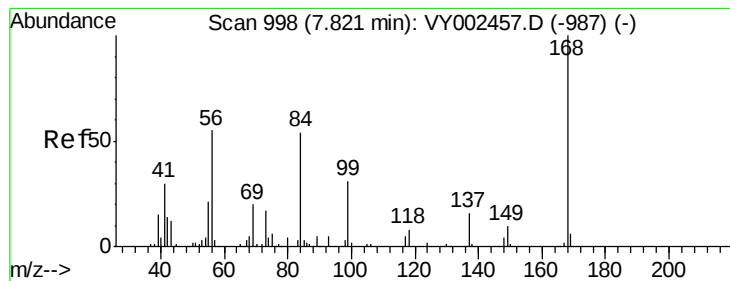
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY042820\
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Quant Title : SW846 8260
QLast Update : Thu Apr 23 14:11:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	90702	21.217	ug/l	100
94) Hexachlorobutadiene	15.11	225	55381	21.465	ug/l	99
95) Naphthalene	15.24	128	167155	21.083	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	74340	20.501	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.02 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

Instrument :

MSVOA_Y

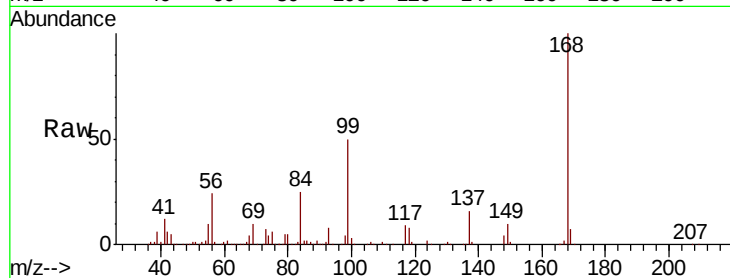
ClientSampleId :

Tot Ion:168 Resp: 294203

Ion Ratio Lower Upper

168 100

99 50.3 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): VY002457.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY002457.D (-987) (-)

7.80

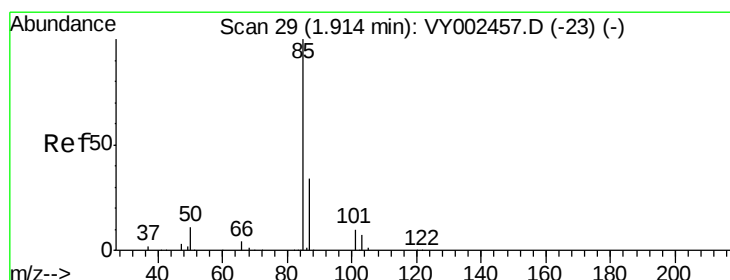
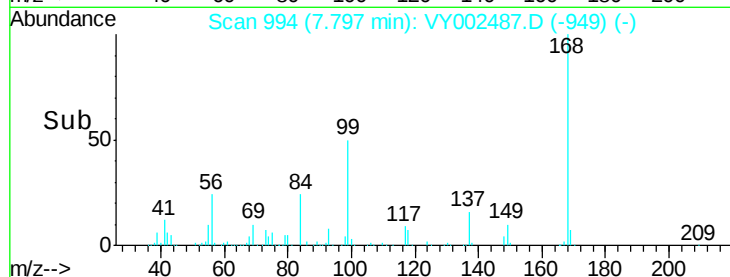
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.686 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY002487.D

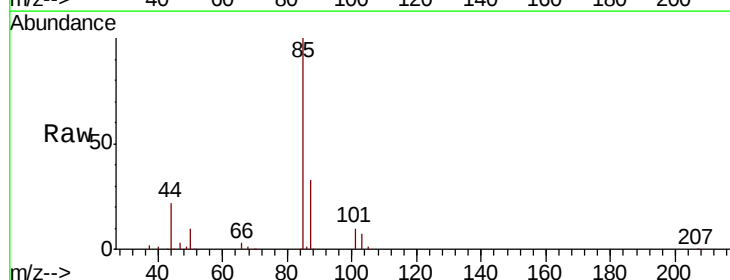
Acq: 28 Apr 2020 12:30

Tgt Ion: 85 Resp: 44569

Ion Ratio Lower Upper

85 100

87 33.1 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VY002457.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY002457.D (-23) (-)

1.91

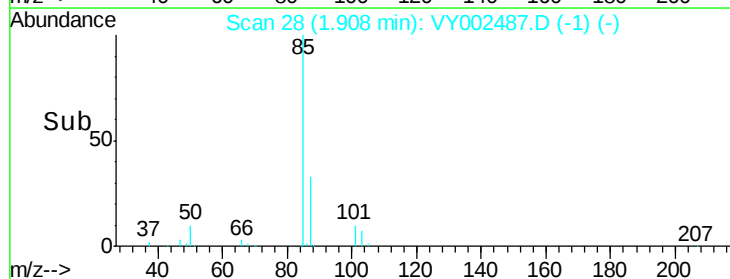
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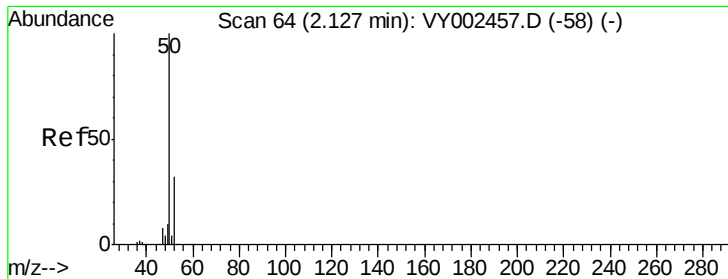
20000

10000

0

Time-->





#3

Chloromethane

Concen: 21.018 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

Instrument :

MSVOA_Y

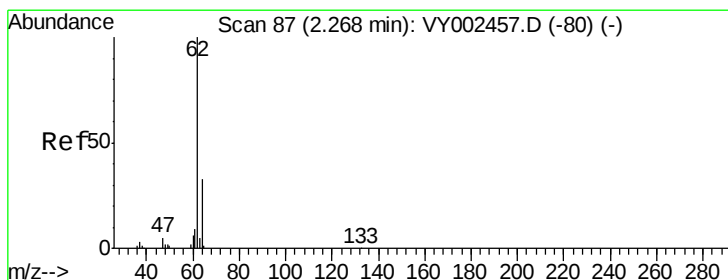
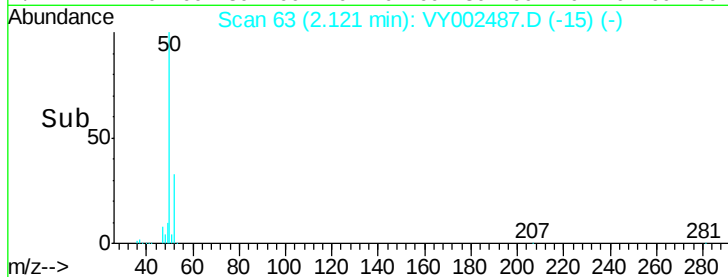
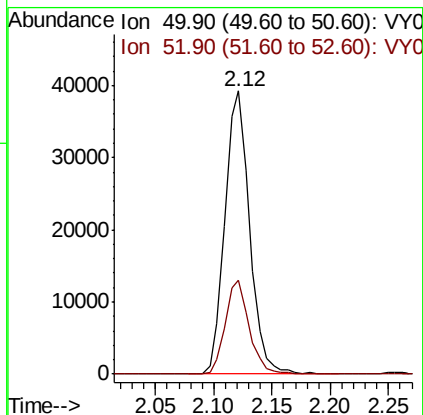
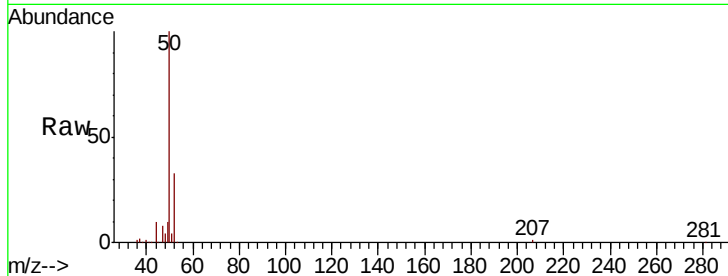
ClientSampleId :

Tot Ion: 50 Resp: 57619

Ion Ratio Lower Upper

50 100

52 33.3 25.2 37.8



#4

Vinyl Chloride

Concen: 18.686 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY002487.D

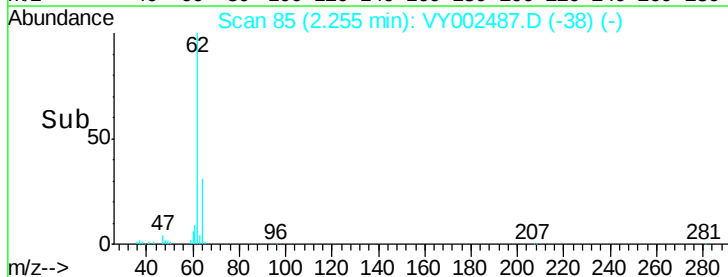
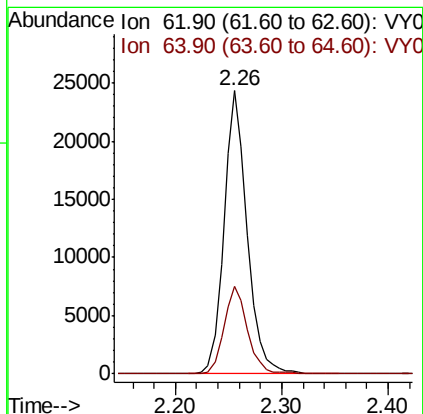
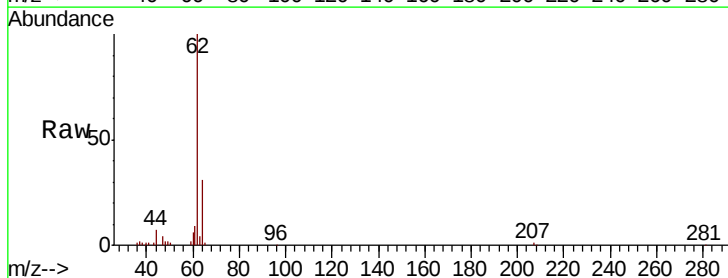
Acq: 28 Apr 2020 12:30

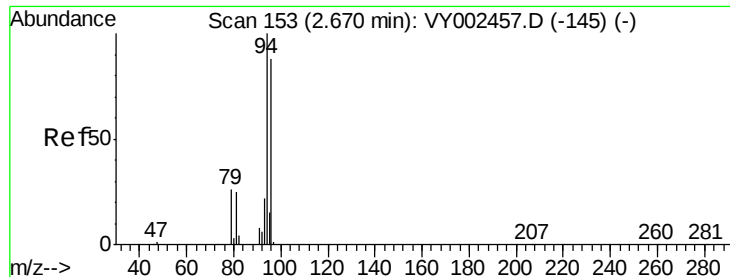
Tgt Ion: 62 Resp: 36799

Ion Ratio Lower Upper

62 100

64 30.7 26.6 39.8





#5

Bromomethane

Concen: 21.610 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.02 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

Instrument :

MSVOA_Y

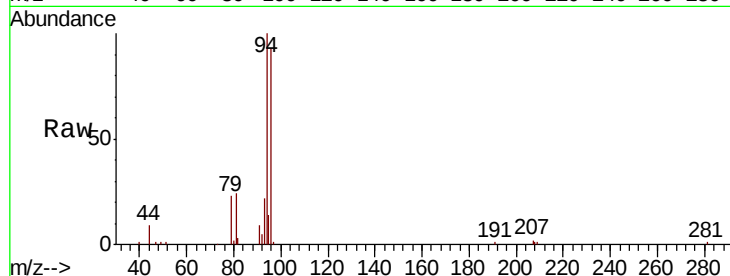
ClientSampleId :

Tot Ion: 94 Resp: 23885

Ion Ratio Lower Upper

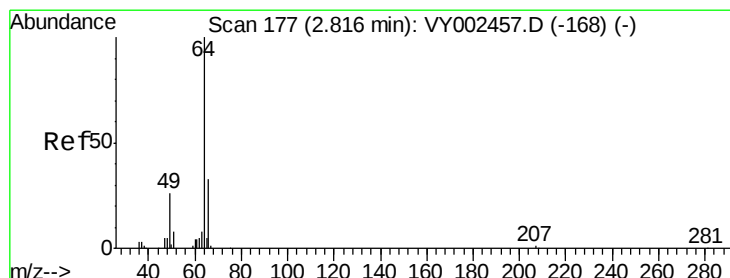
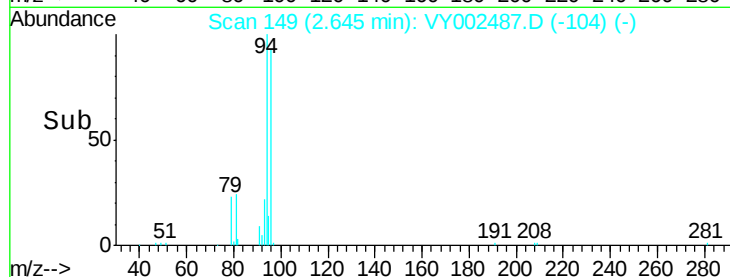
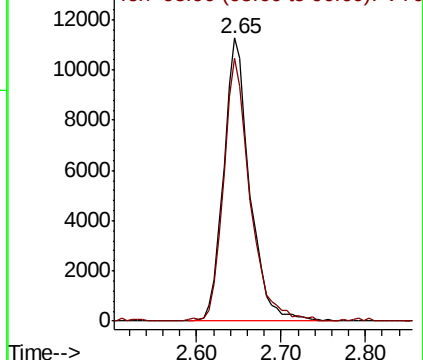
94 100

96 92.8 70.2 105.4



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 20.601 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.02 min

Lab File: VY002487.D

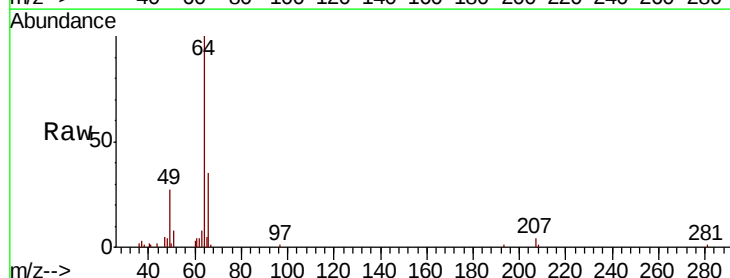
Acq: 28 Apr 2020 12:30

Tgt Ion: 64 Resp: 19479

Ion Ratio Lower Upper

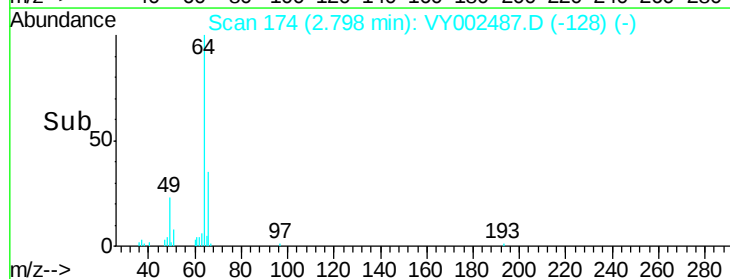
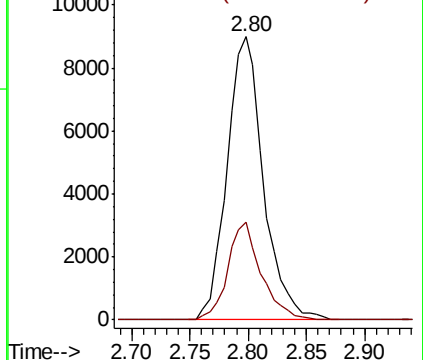
64 100

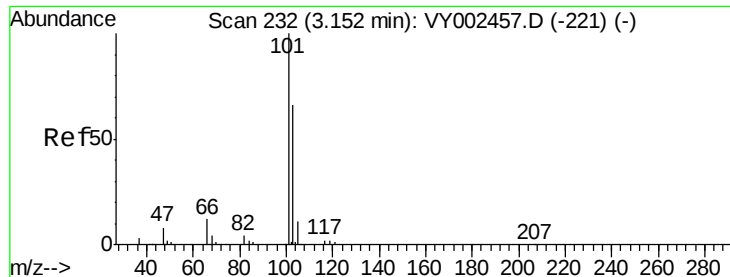
66 34.5 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



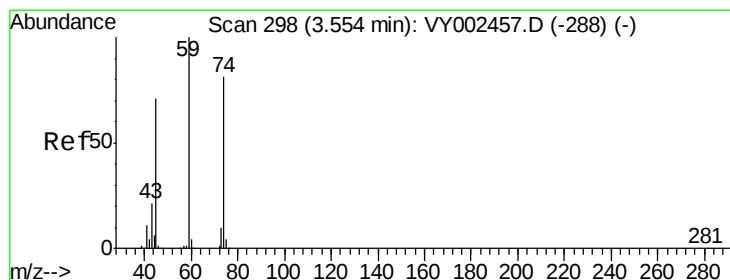
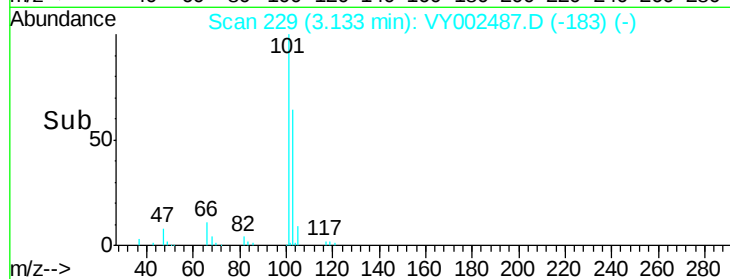
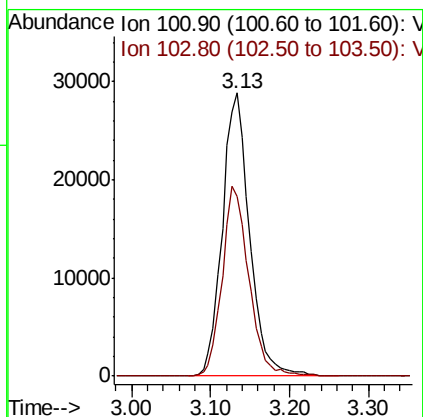
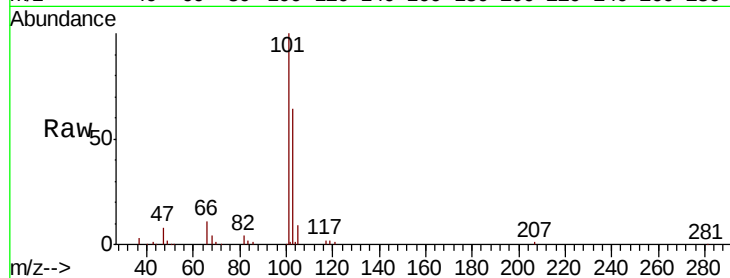


#7

Trichlorofluoromethane
 Concen: 19.448 ug/l
 RT: 3.13 min Scan# 229
 Delta R.T. -0.02 min
 Lab File: VY002487.D
 Acq: 28 Apr 2020 12:30

Instrument :
 MSVOA_Y
 ClientSampleId :

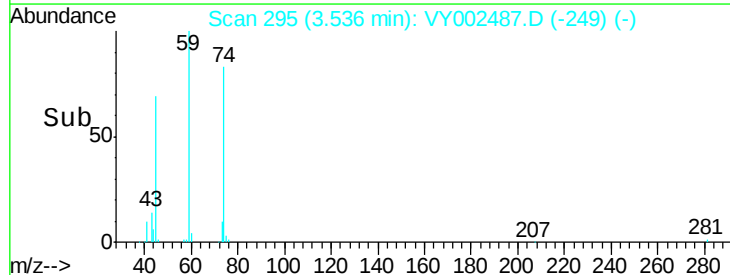
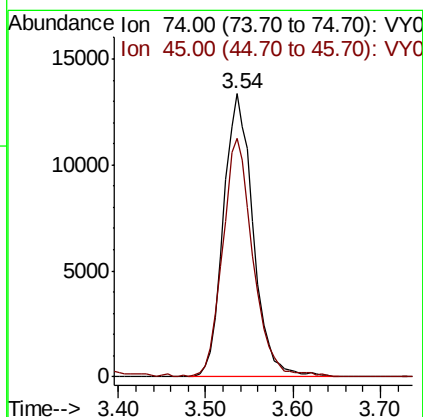
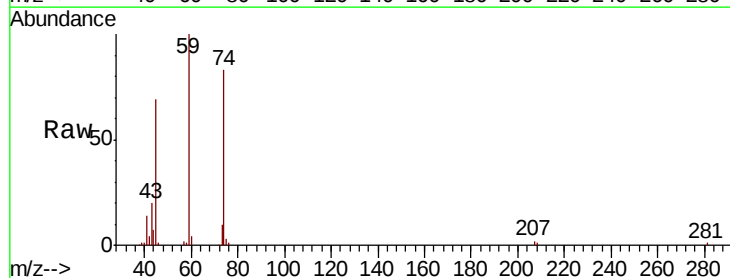
Tot Ion:101 Resp: 69451
 Ion Ratio Lower Upper
 101 100
 103 63.5 52.5 78.7

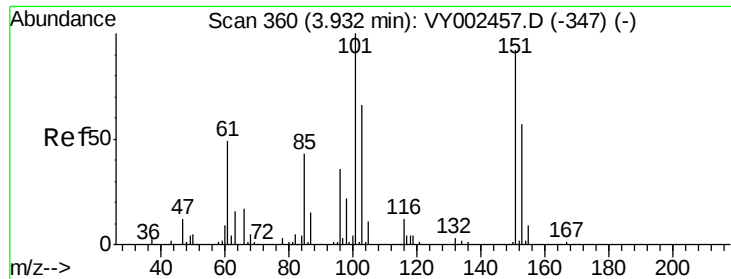


#8

Diethyl Ether
 Concen: 21.413 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. -0.02 min
 Lab File: VY002487.D
 Acq: 28 Apr 2020 12:30

Tgt Ion: 74 Resp: 31519
 Ion Ratio Lower Upper
 74 100
 45 86.1 44.0 132.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.860 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.02 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

Instrument :

MSVOA_Y

ClientSampled :

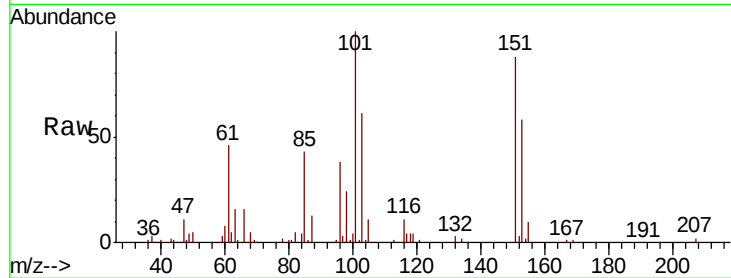
Tot Ion:101 Resp: 51276

Ion Ratio Lower Upper

101 100

85 43.5 34.1 51.1

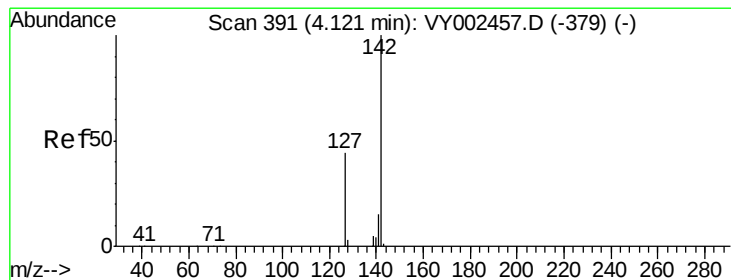
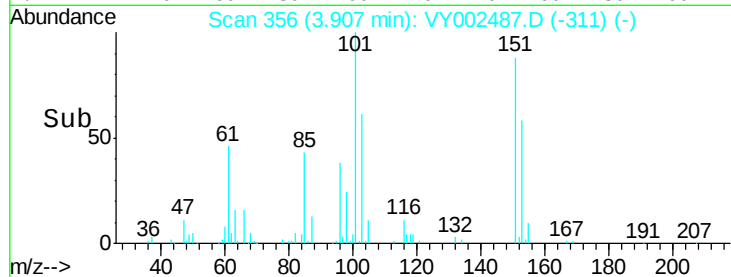
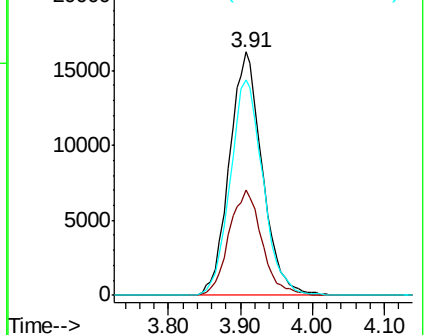
151 88.7 70.3 105.5



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: 19.258 ug/l

RT: 4.10 min Scan# 387

Delta R.T. -0.02 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

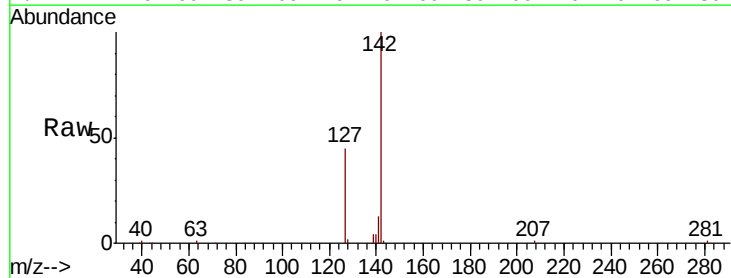
Tgt Ion:142 Resp: 73027

Ion Ratio Lower Upper

142 100

127 45.0 35.8 53.8

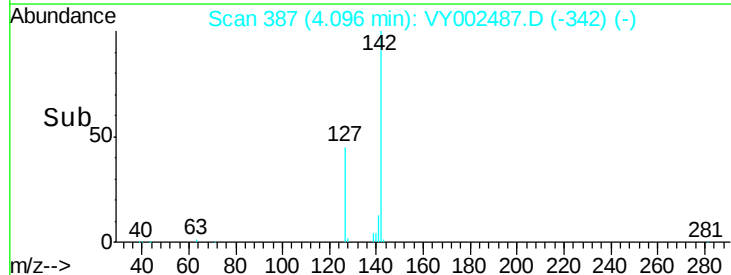
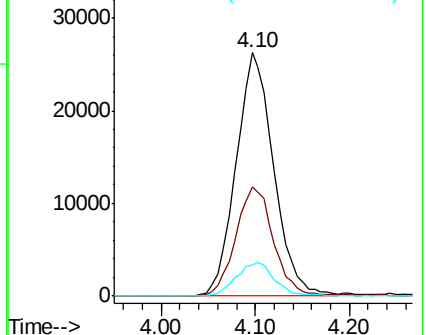
141 14.2 11.6 17.4

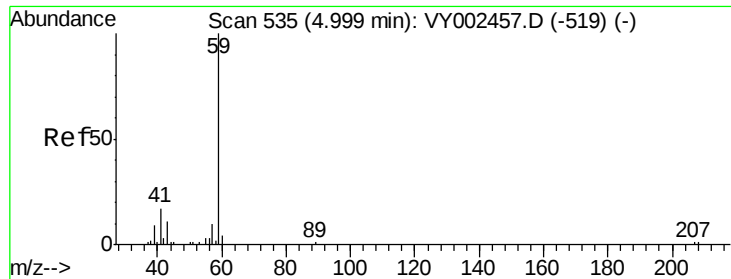


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

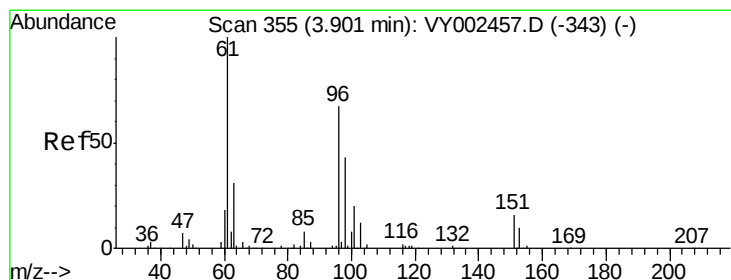
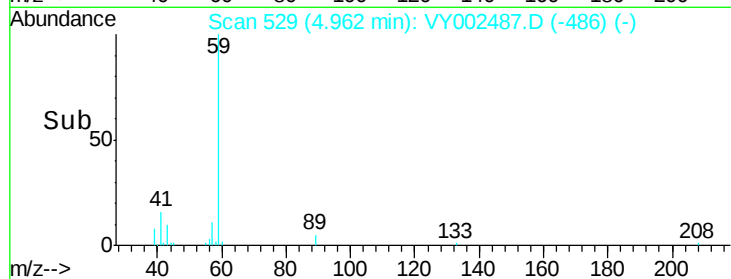
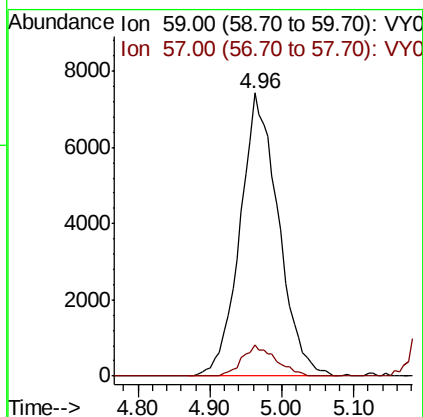
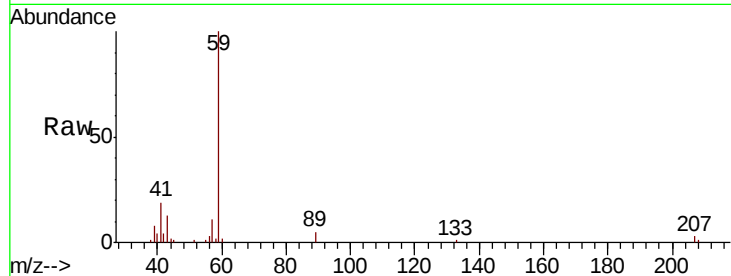




#11
Tert butyl alcohol
Concen: 113.383 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.04 min
Lab File: VY002487.D
Acq: 28 Apr 2020 12:30

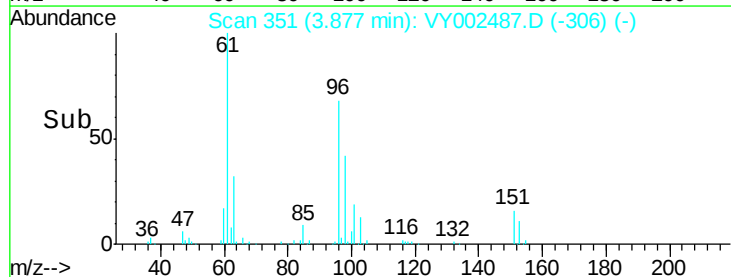
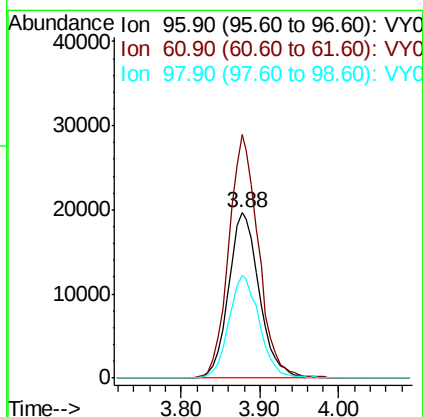
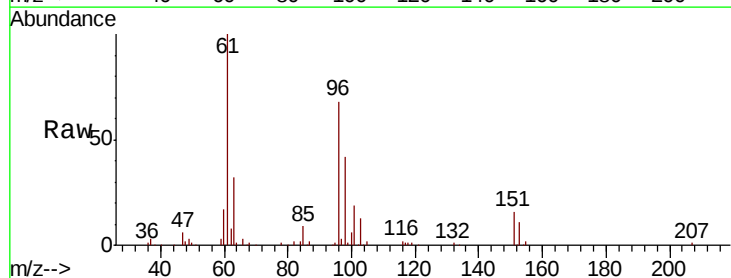
Instrument :
MSVOA_Y
ClientSampleId :

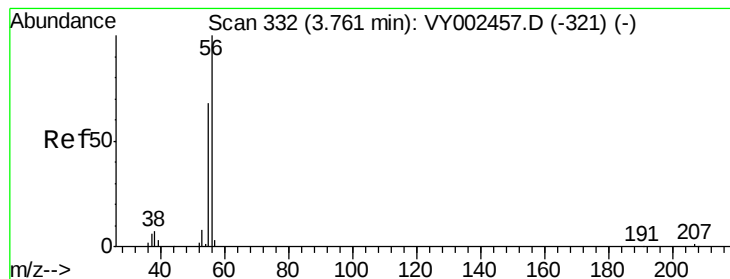
Tot Ion: 59 Resp: 27441
Ion Ratio Lower Upper
59 100
57 9.5 8.4 12.6



#12
1,1-Dichloroethene
Concen: 21.179 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.02 min
Lab File: VY002487.D
Acq: 28 Apr 2020 12:30

Tgt Ion: 96 Resp: 53340
Ion Ratio Lower Upper
96 100
61 147.3 119.0 178.6
98 62.1 51.4 77.2





#13

Acrolein

Concen: 93.228 ug/l

RT: 3.74 min Scan# 329

Delta R.T. -0.02 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

Instrument :

MSVOA_Y

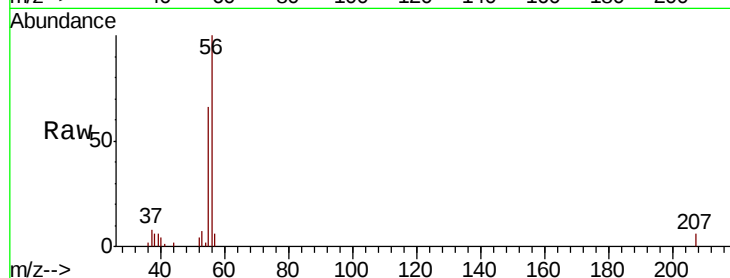
ClientSampleId :

Tot Ion: 56 Resp: 18062

Ion Ratio Lower Upper

56 100

55 67.9 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

8000

6000

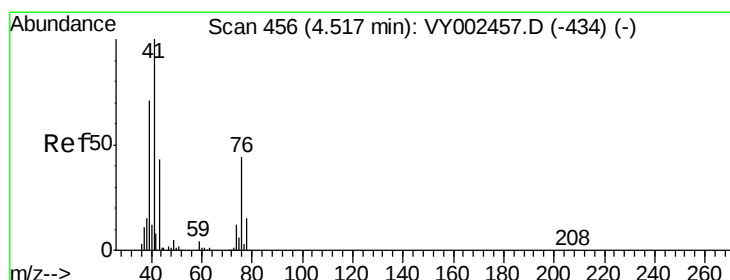
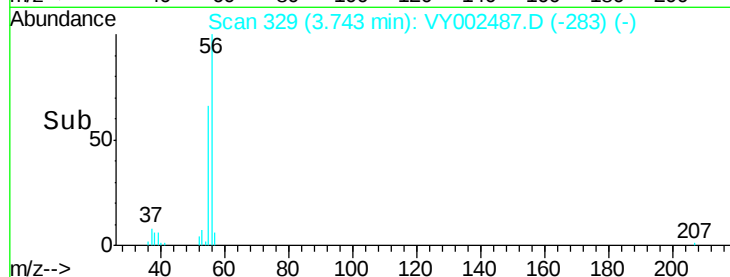
4000

2000

0

3.70 3.80

Time-->



#14

Allyl chloride

Concen: 19.486 ug/l

RT: 4.49 min Scan# 452

Delta R.T. -0.02 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

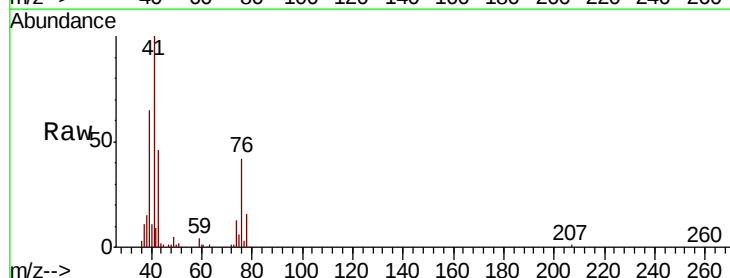
Tgt Ion: 41 Resp: 72122

Ion Ratio Lower Upper

41 100

39 66.3 55.1 82.7

76 41.6 34.3 51.5



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

30000

25000

20000

15000

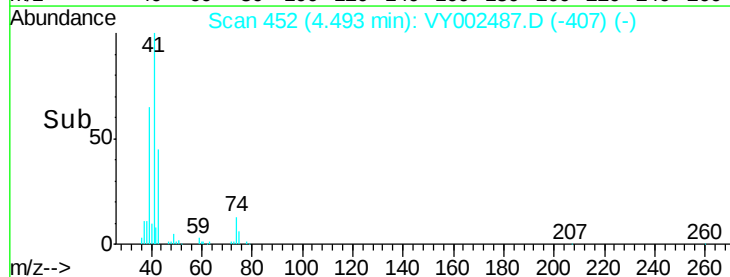
10000

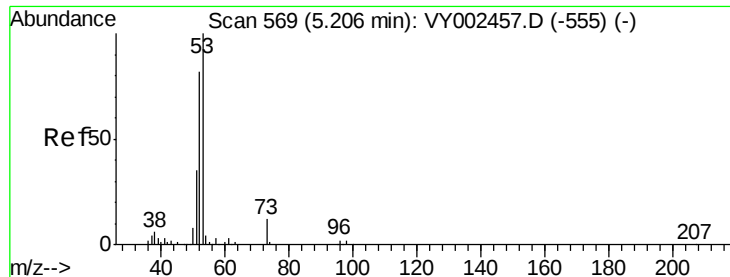
5000

0

4.30 4.40 4.50 4.60 4.70

Time-->





#15

Acrylonitrile

Concen: 103.704 ug/l

RT: 5.18 min Scan# 565

Delta R.T. -0.02 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

Instrument :

MSVOA_Y

ClientSampleId :

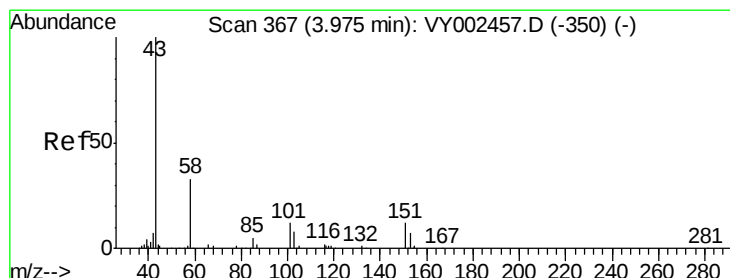
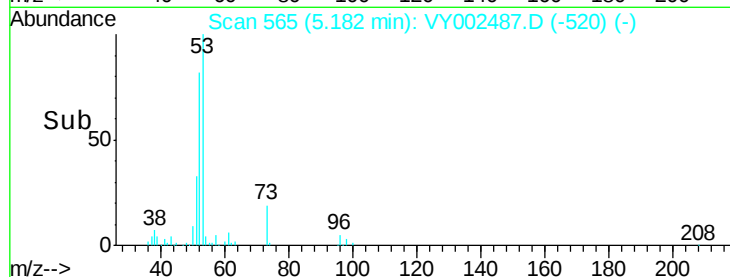
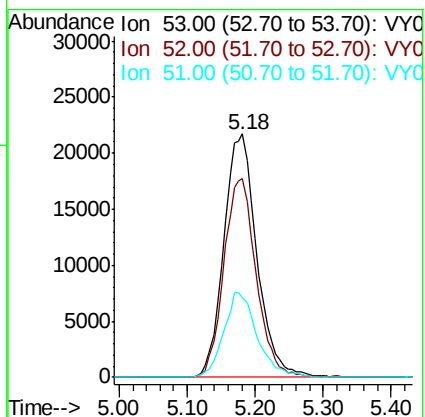
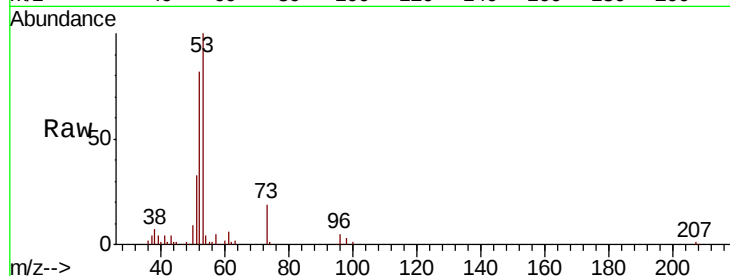
Tot Ion: 53 Resp: 73036

Ion Ratio Lower Upper

53 100

52 80.1 65.4 98.2

51 35.5 28.3 42.5



#16

Acetone

Concen: 113.501 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VY002487.D

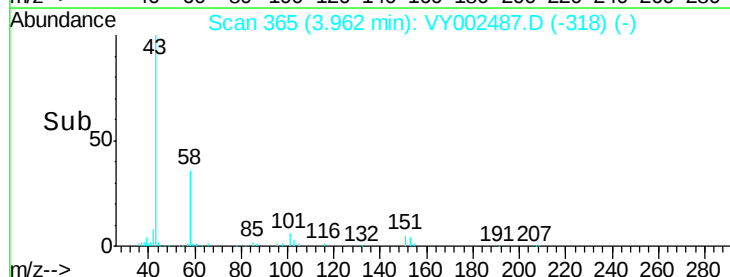
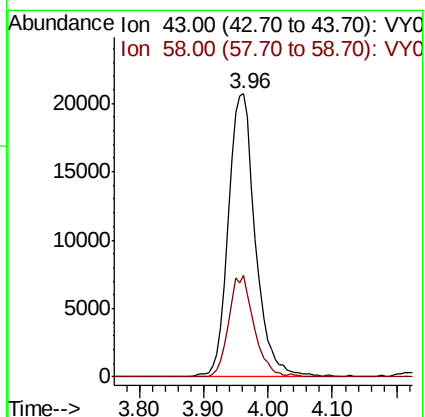
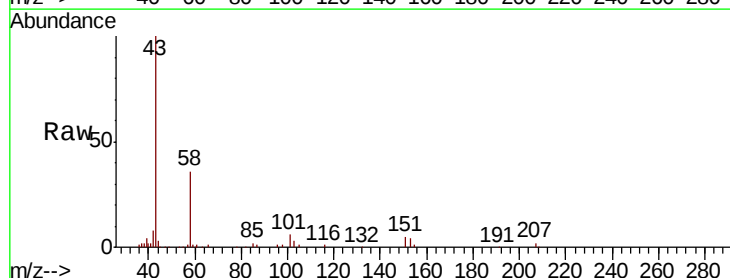
Acq: 28 Apr 2020 12:30

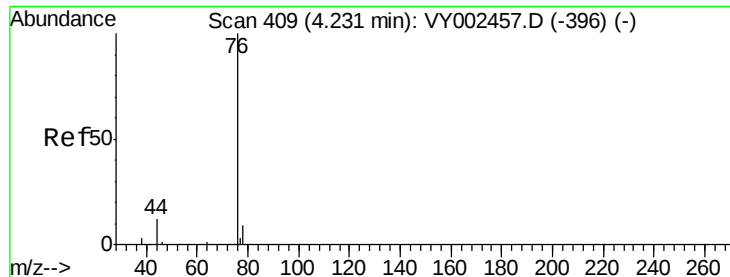
Tgt Ion: 43 Resp: 60994

Ion Ratio Lower Upper

43 100

58 35.9 26.4 39.6





#17

Carbon Disulfide

Concen: 19.375 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.03 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

Instrument :

MSVOA_Y

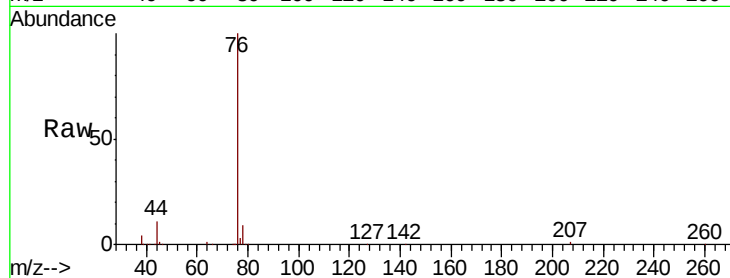
ClientSampleId :

Tot Ion: 76 Resp: 152157

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.20

60000

50000

40000

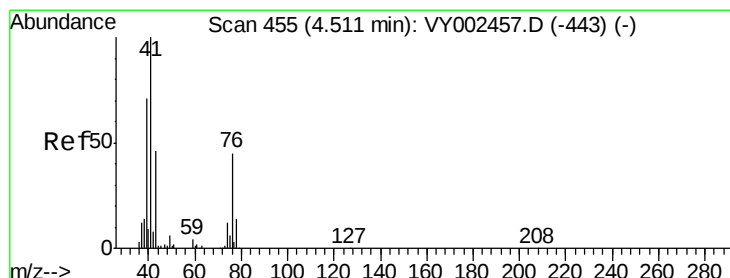
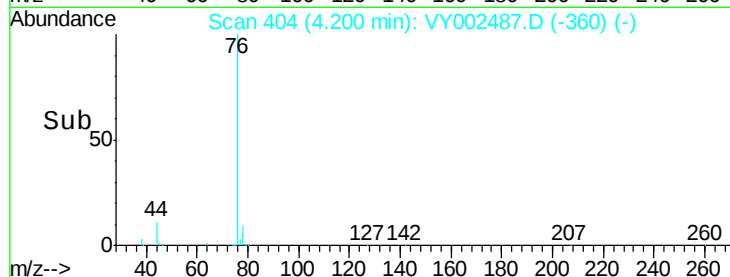
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 19.675 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.03 min

Lab File: VY002487.D

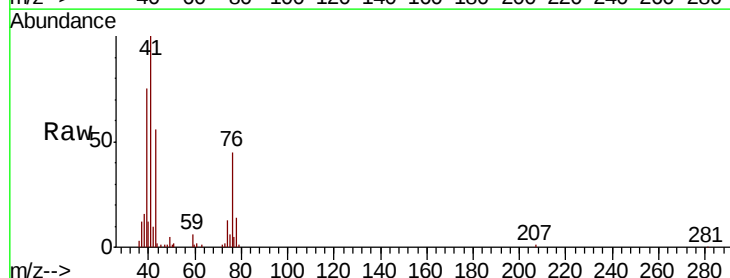
Acq: 28 Apr 2020 12:30

Tgt Ion: 43 Resp: 34022

Ion Ratio Lower Upper

43 100

74 26.3 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.48

12000

10000

8000

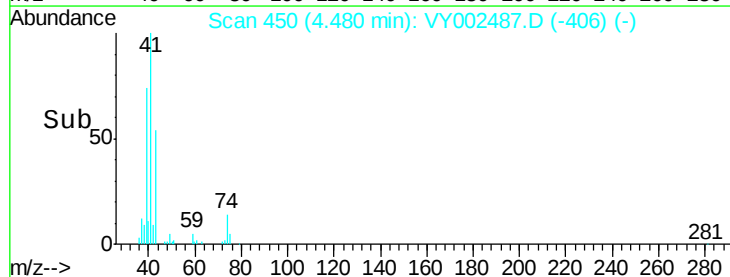
6000

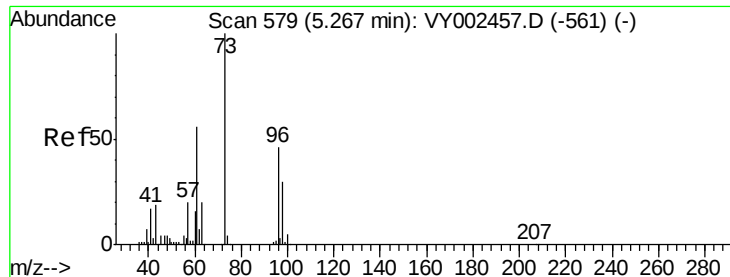
4000

2000

0

Time-->

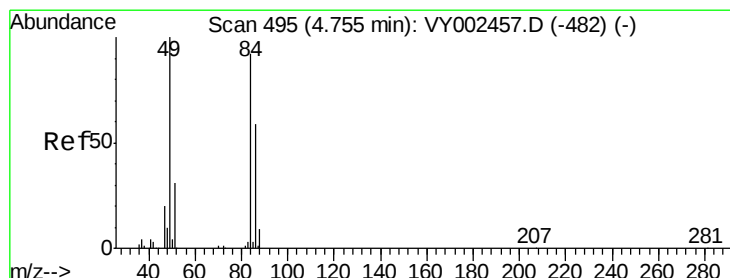
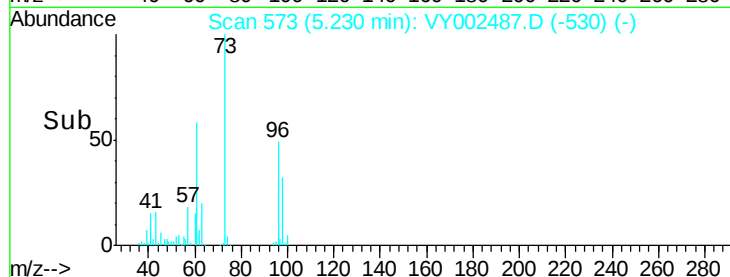
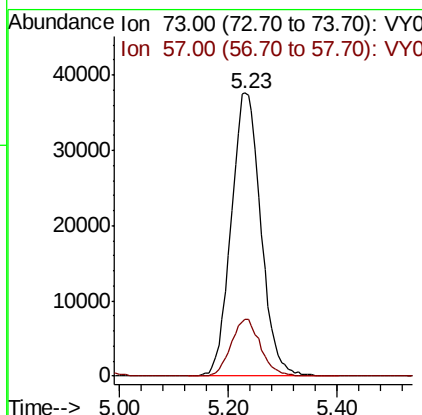
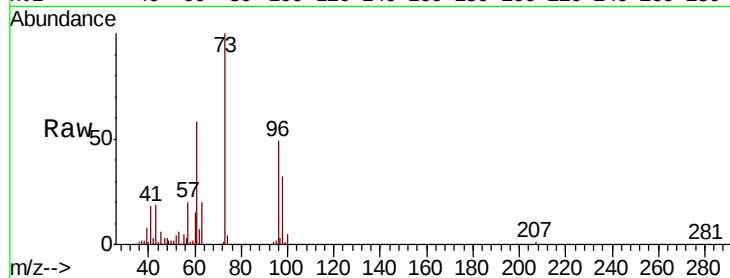




#19
Methvl tert-butvl Ether
Concen: 21.030 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.04 min
Lab File: VY002487.D
Acq: 28 Apr 2020 12:30

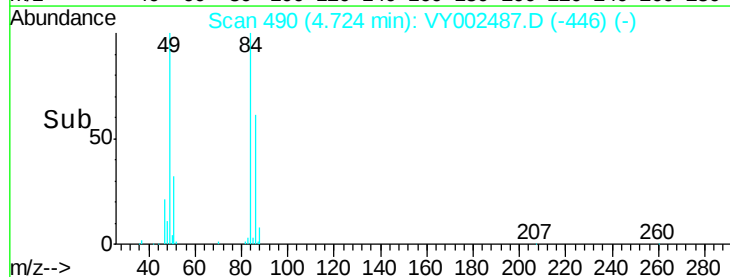
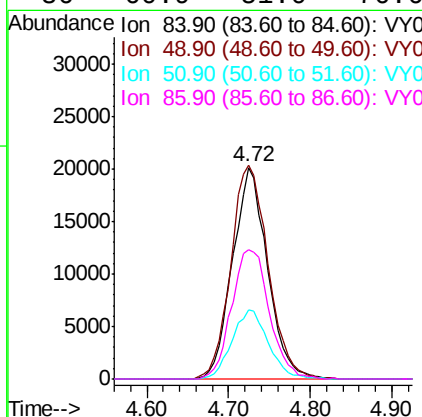
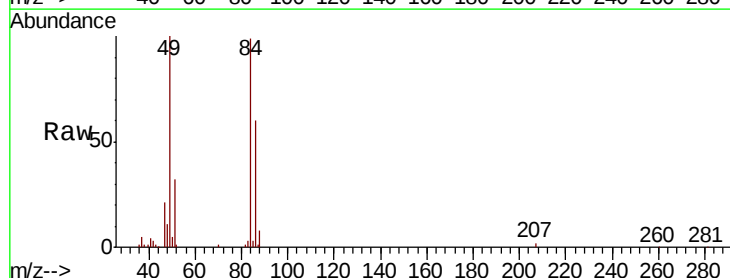
Instrument :
MSVOA_Y
ClientSampleId :

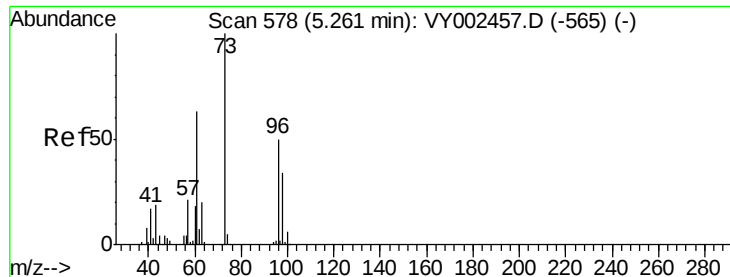
Tot Ion: 73 Resp: 142921
Ion Ratio Lower Upper
73 100
57 20.2 16.0 24.0



#20
Methylene Chloride
Concen: 19.471 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.03 min
Lab File: VY002487.D
Acq: 28 Apr 2020 12:30

Tgt Ion: 84 Resp: 59741
Ion Ratio Lower Upper
84 100
49 101.0 86.9 130.3
51 32.5 27.3 40.9
86 60.9 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.897 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.03 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

Instrument :

MSVOA_Y

ClientSampleId :

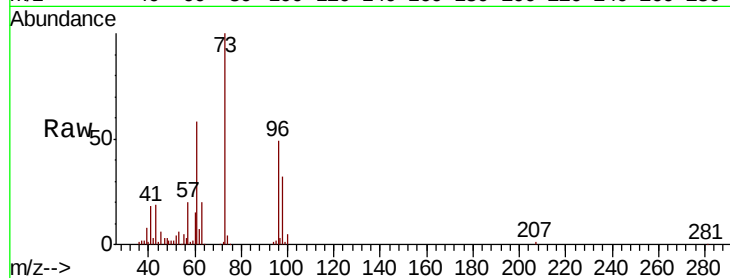
Tot Ion: 96 Resp: 56418

Ion Ratio Lower Upper

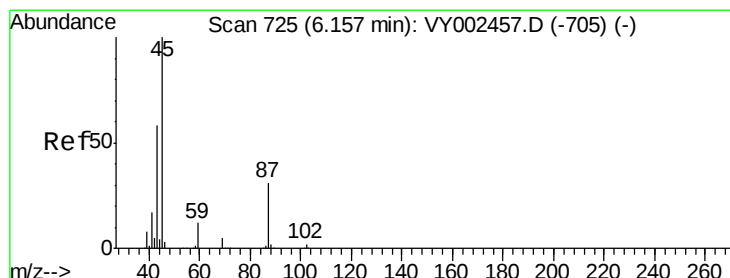
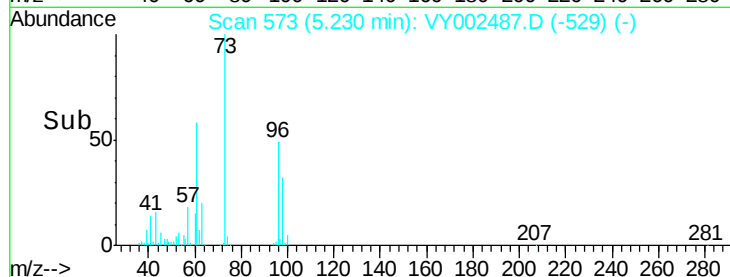
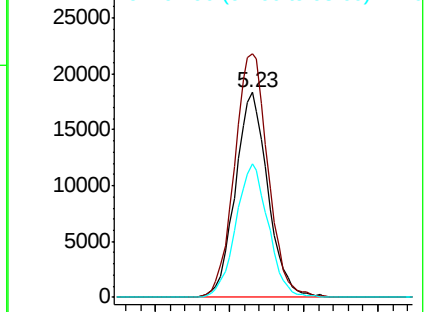
96 100

61 118.7 101.4 152.0

98 65.3 53.6 80.4



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



#22

Diisopropyl ether

Concen: 19.672 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.03 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

Tgt Ion: 45 Resp: 143962

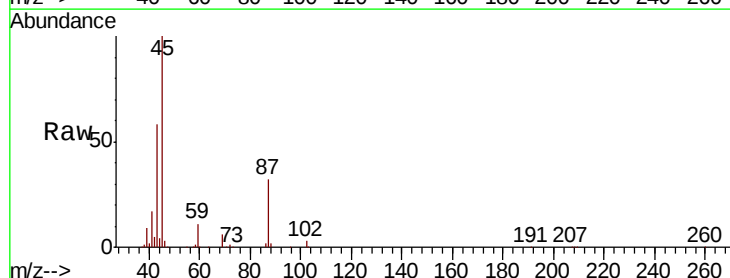
Ion Ratio Lower Upper

45 100

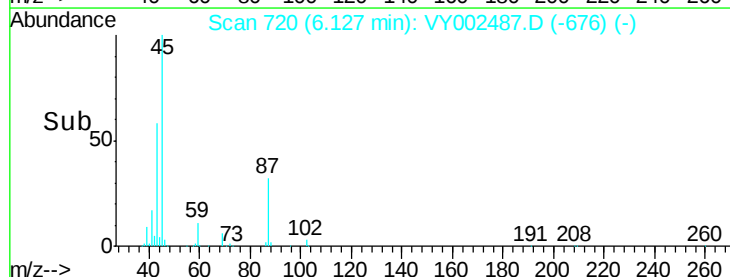
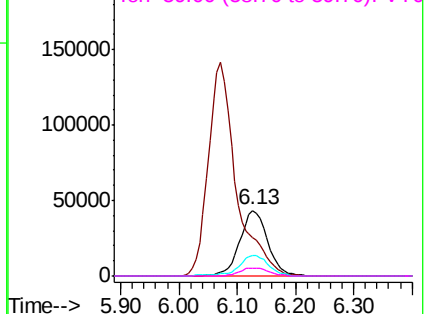
43 57.8 47.1 70.7

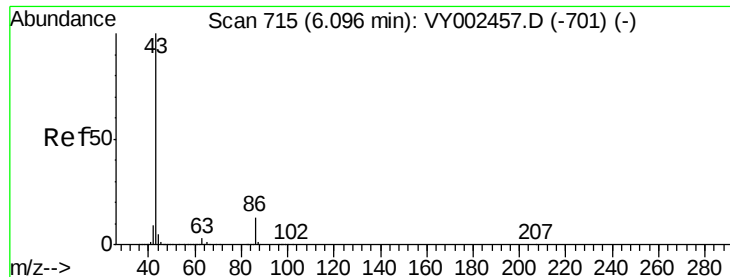
87 32.0 25.0 37.6

59 10.9 9.7 14.5



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





#23

Vinyl Acetate

Concen: 101.019 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.02 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

Instrument :

MSVOA_Y

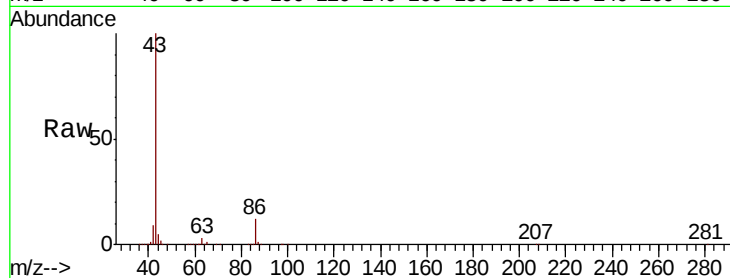
ClientSampleId :

Tot Ion: 43 Resp: 469749

Ion Ratio Lower Upper

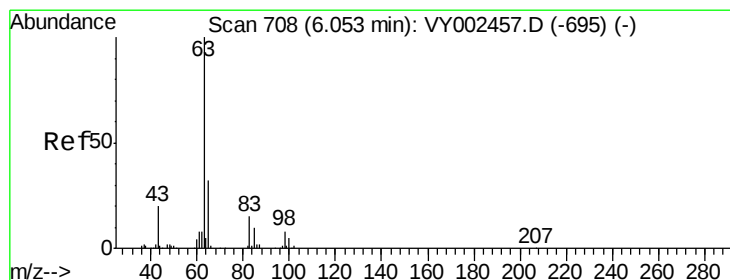
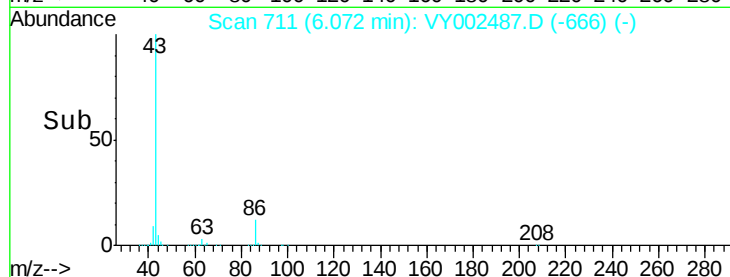
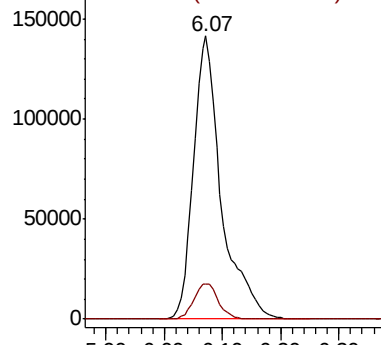
43 100

86 12.3 10.2 15.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 19.863 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.02 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

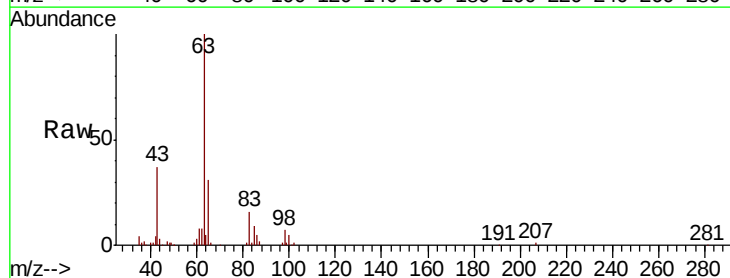
Tgt Ion: 63 Resp: 88006

Ion Ratio Lower Upper

63 100

98 7.2 4.1 12.3

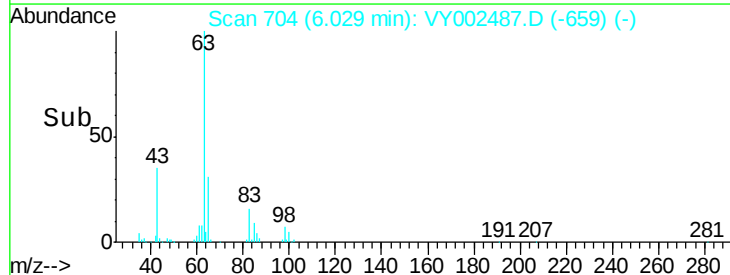
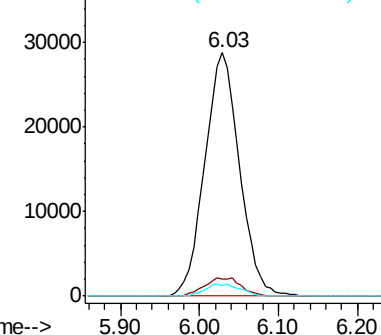
100 4.6 2.5 7.4

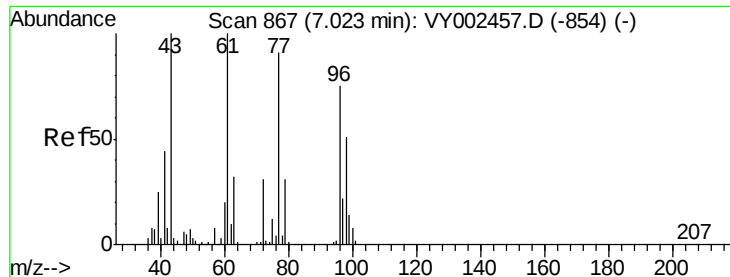


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 102.865 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.02 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

Instrument :

MSVOA_Y

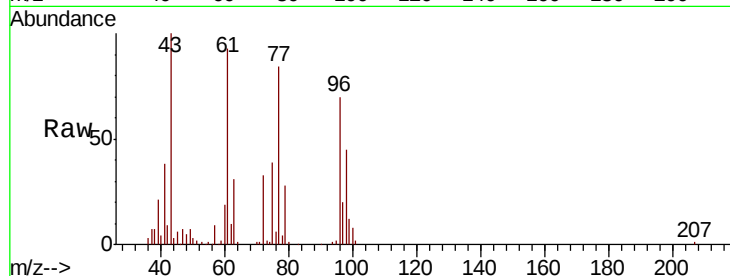
ClientSampleId :

Tot Ion: 43 Resp: 84687

Ion Ratio Lower Upper

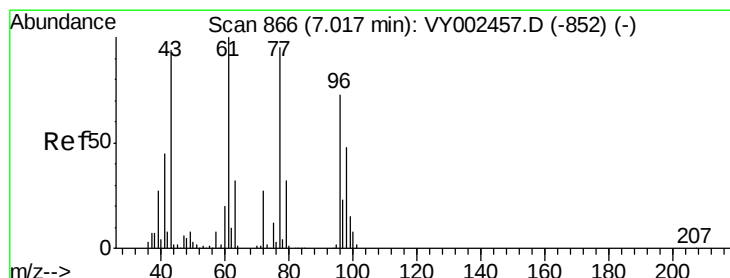
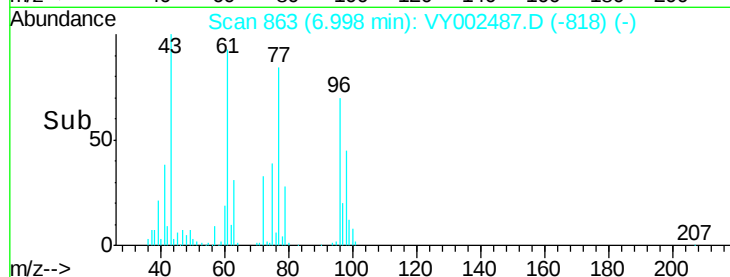
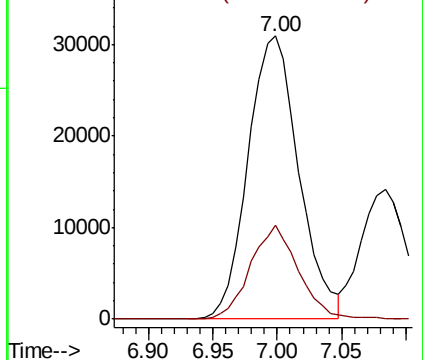
43 100

72 33.4 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 20.371 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.02 min

Lab File: VY002487.D

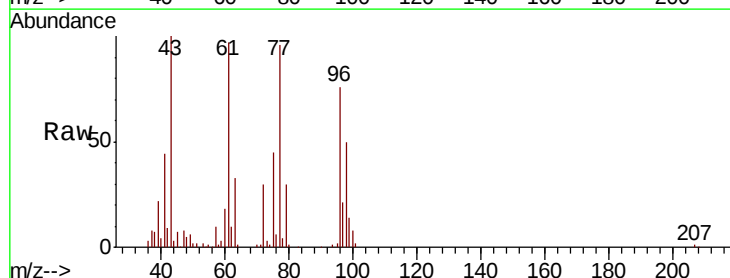
Acq: 28 Apr 2020 12:30

Tgt Ion: 77 Resp: 86316

Ion Ratio Lower Upper

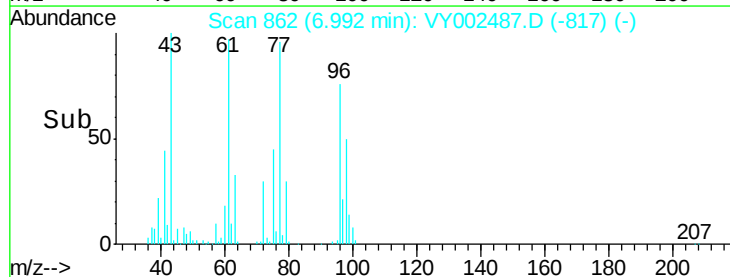
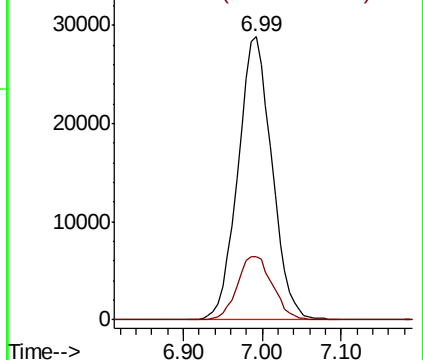
77 100

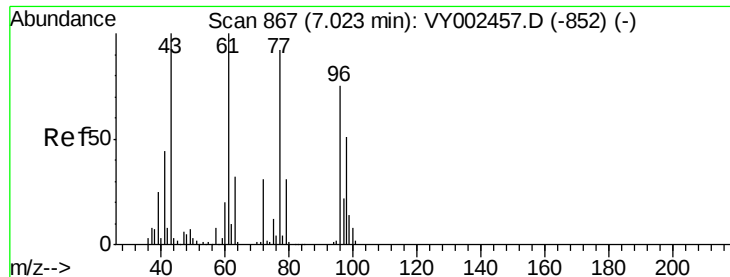
97 23.2 12.0 36.0



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



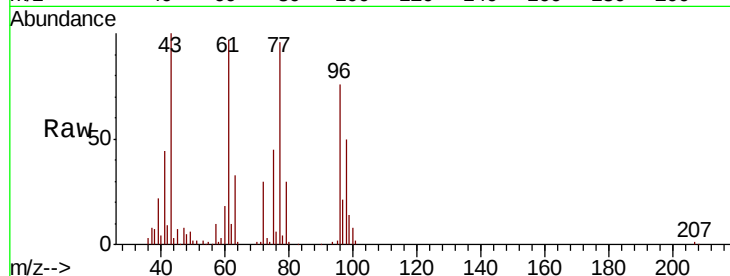


#27

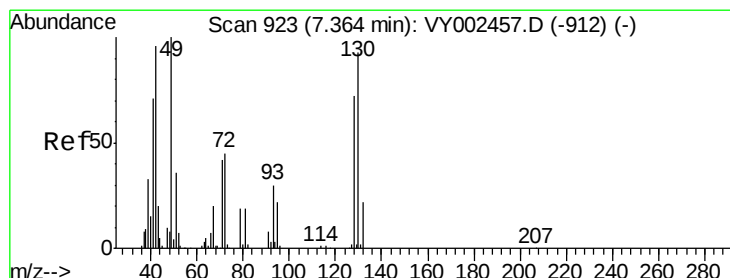
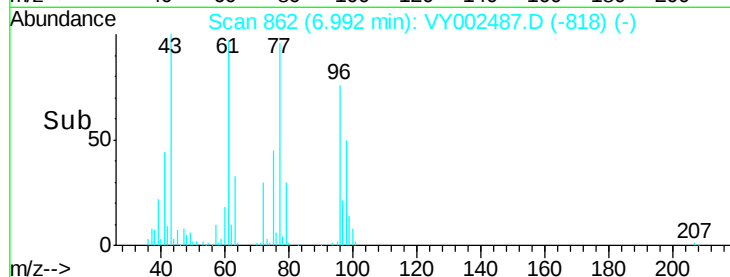
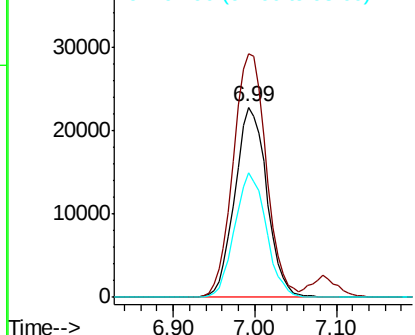
cis-1,2-Dichloroethene
Concen: 20.113 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.03 min
Lab File: VY002487.D
Acq: 28 Apr 2020 12:30

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 96 Resp: 62029
Ion Ratio Lower Upper
96 100
61 132.1 0.0 262.6
98 64.2 0.0 131.0



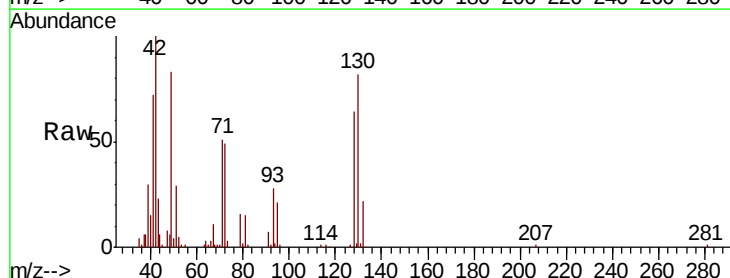
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



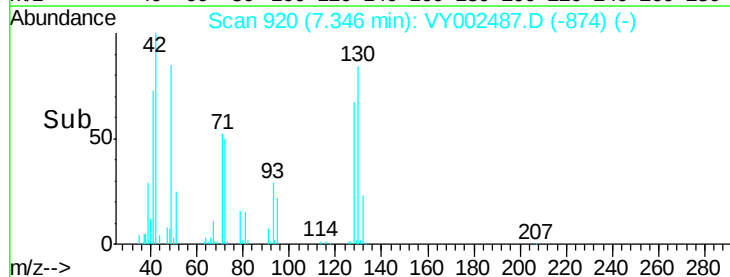
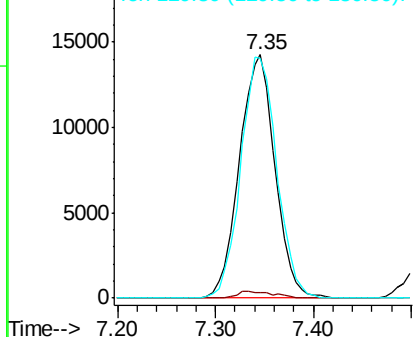
#28

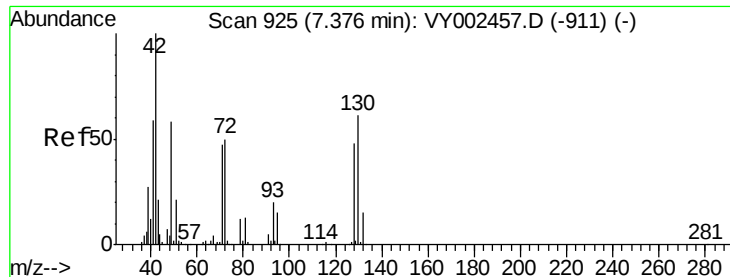
Bromochloromethane
Concen: 20.755 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.02 min
Lab File: VY002487.D
Acq: 28 Apr 2020 12:30

Tgt Ion: 49 Resp: 35874
Ion Ratio Lower Upper
49 100
129 2.8 0.0 5.6
130 100.2 76.3 114.5



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: 100.865 ug/l

RT: 7.36 min Scan# 922

Delta R.T. -0.02 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

Instrument :

MSVOA_Y

ClientSampleId :

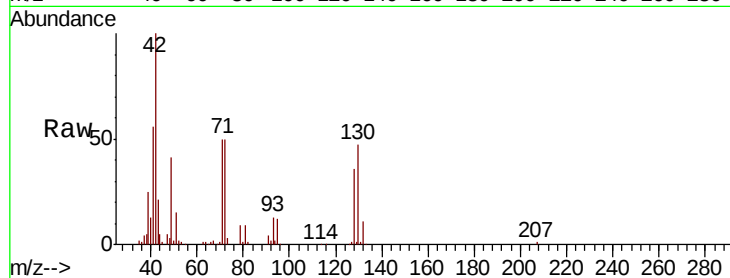
Tot Ion: 42 Resp: 55056

Ion Ratio Lower Upper

42 100

72 51.2 39.5 59.3

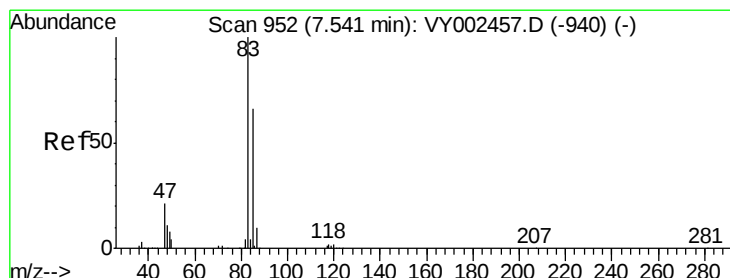
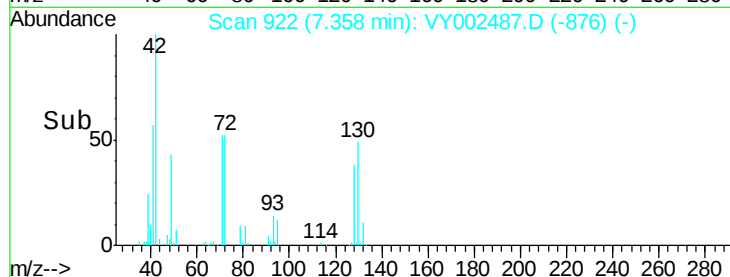
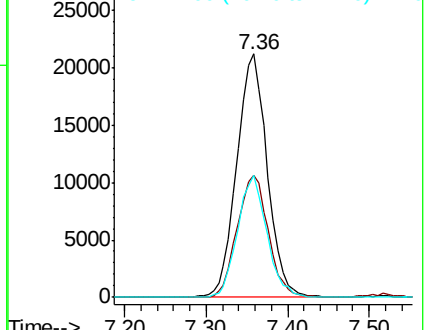
71 47.8 37.6 56.4



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: 19.243 ug/l

RT: 7.51 min Scan# 947

Delta R.T. -0.03 min

Lab File: VY002487.D

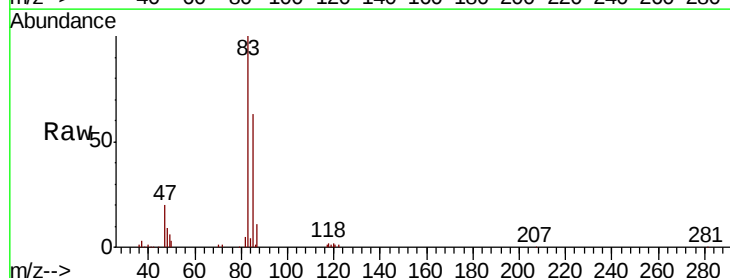
Acq: 28 Apr 2020 12:30

Tgt Ion: 83 Resp: 90777

Ion Ratio Lower Upper

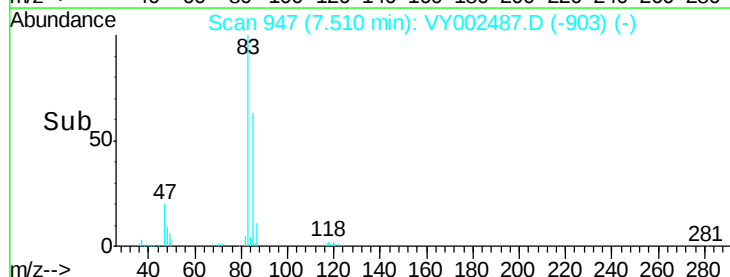
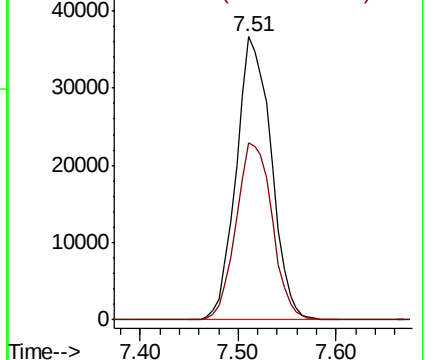
83 100

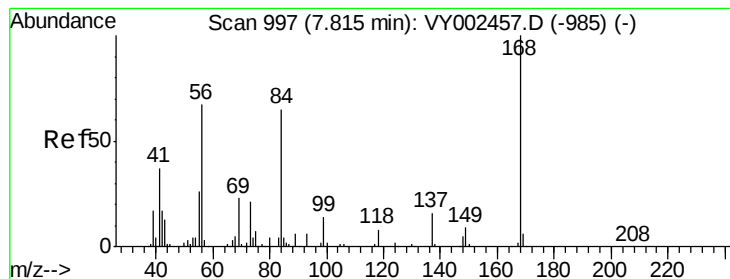
85 62.7 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 18.966 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.02 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

Instrument :

MSVOA_Y

ClientSampleId :

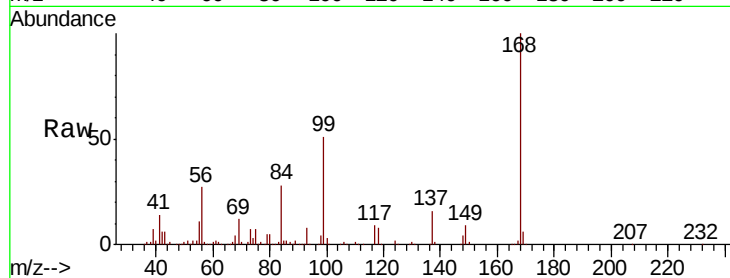
Tot Ion: 56 Resp: 84028

Ion Ratio Lower Upper

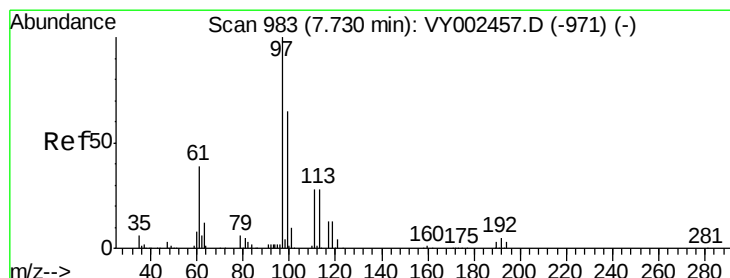
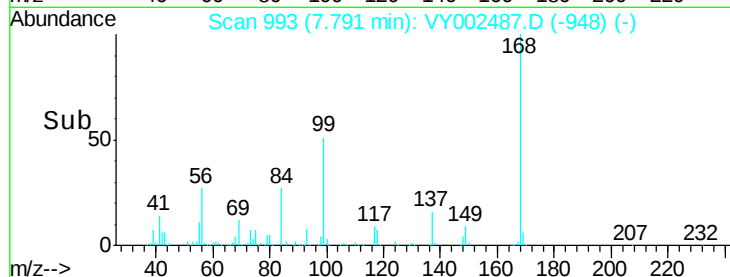
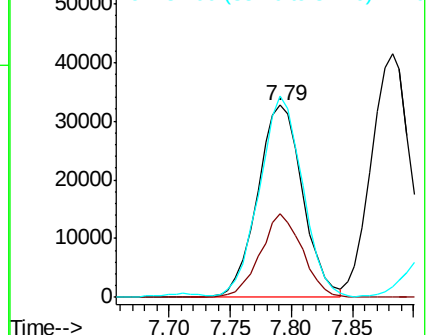
56 100

69 43.3 27.0 40.6#

84 103.4 77.4 116.2



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



#32

1,1,1-Trichloroethane

Concen: 20.176 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.02 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

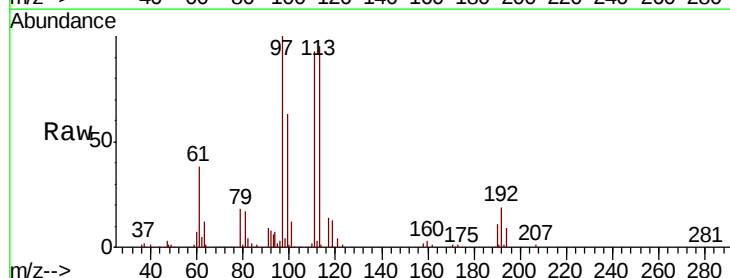
Tgt Ion: 97 Resp: 89934

Ion Ratio Lower Upper

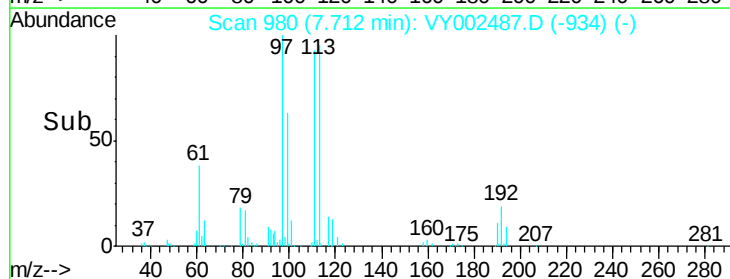
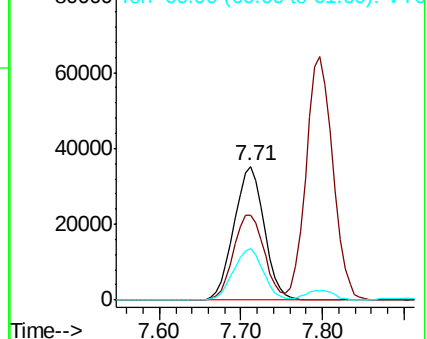
97 100

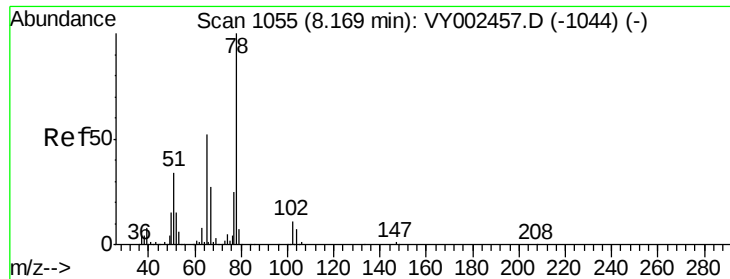
99 65.1 51.6 77.4

61 38.2 30.6 45.8



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

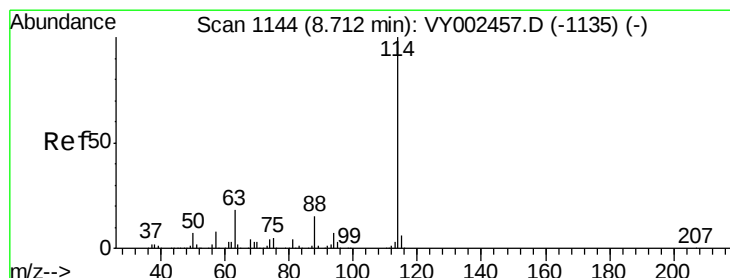
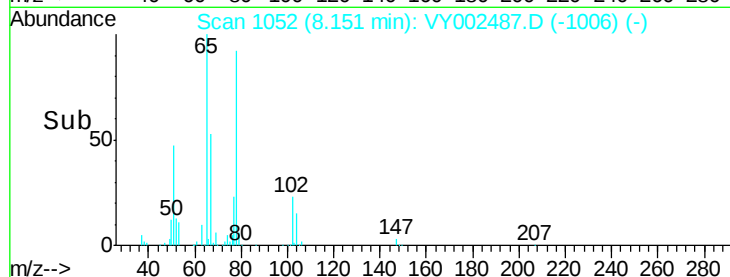
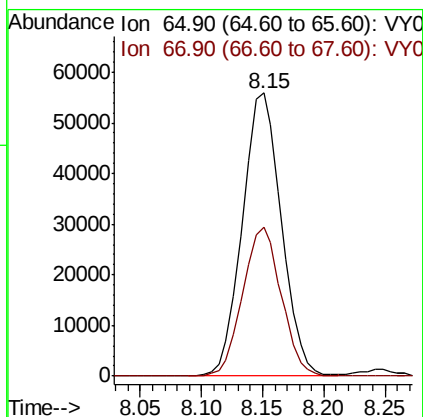
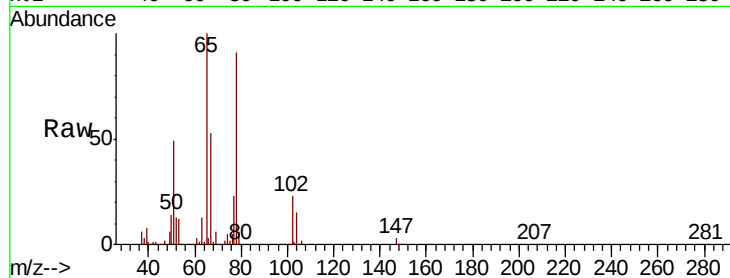




#33
 1,2-Dichloroethane-d4
 Concen: 48.250 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.02 min
 Lab File: VY002487.D
 Acq: 28 Apr 2020 12:30

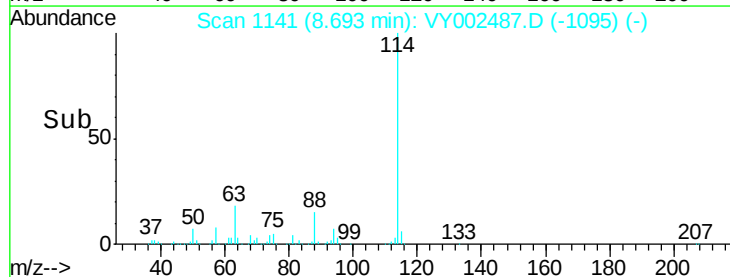
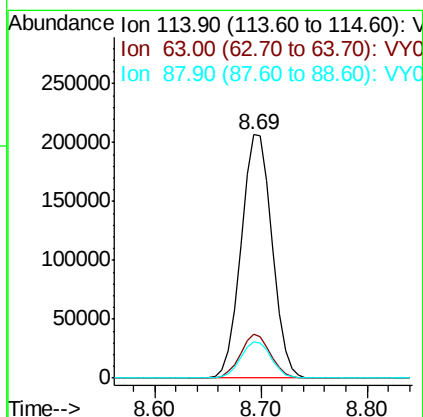
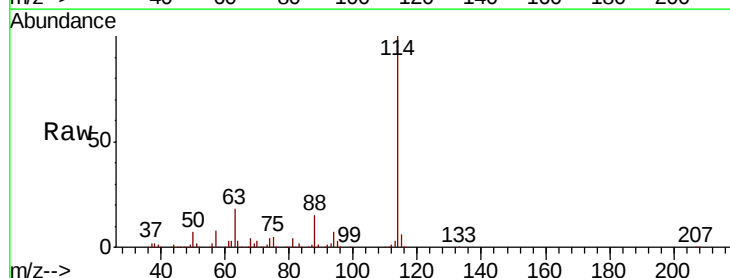
Instrument :
 MSVOA_Y
 ClientSampleId :

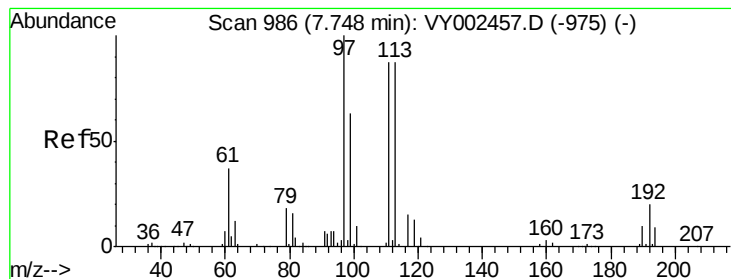
Tot Ion: 65 Resp: 124071
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.02 min
 Lab File: VY002487.D
 Acq: 28 Apr 2020 12:30

Tgt Ion: 114 Resp: 422654
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 35.6
 88 15.1 0.0 29.4





#35

Dibromofluoromethane

Concen: 51.398 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.02 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

Instrument :

MSVOA_Y

ClientSampleId :

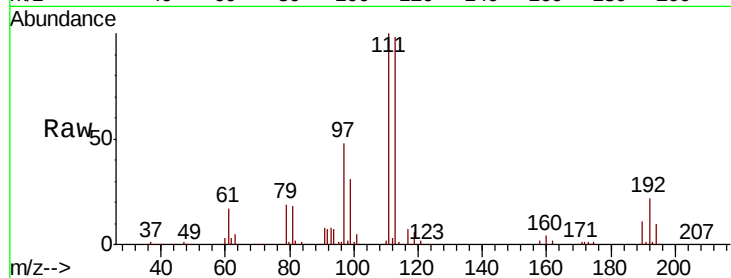
Tot Ion:113 Resp: 122532

Ion Ratio Lower Upper

113 100

111 101.4 81.0 121.4

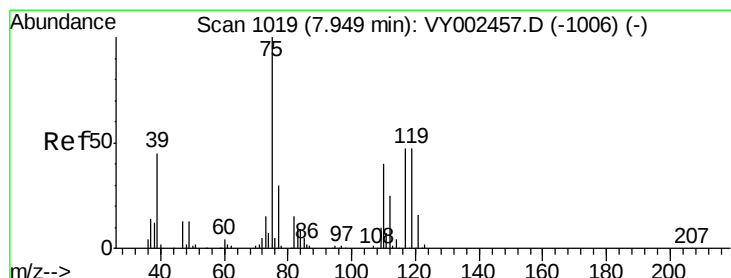
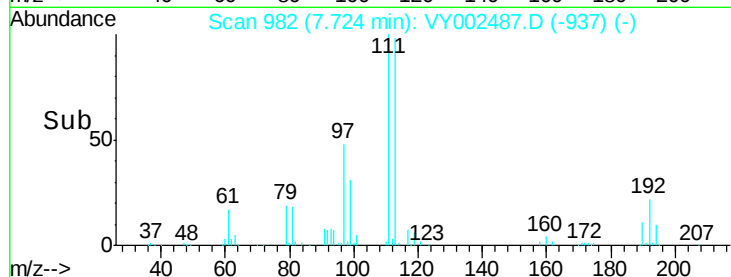
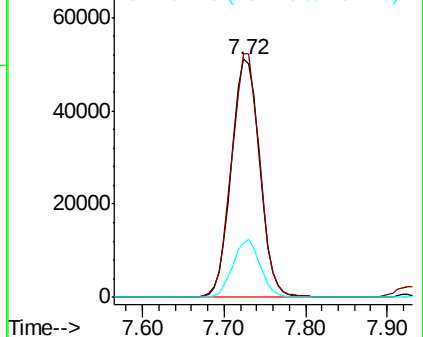
192 23.3 18.6 27.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.058 ug/l

RT: 7.92 min Scan# 1014

Delta R.T. -0.03 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

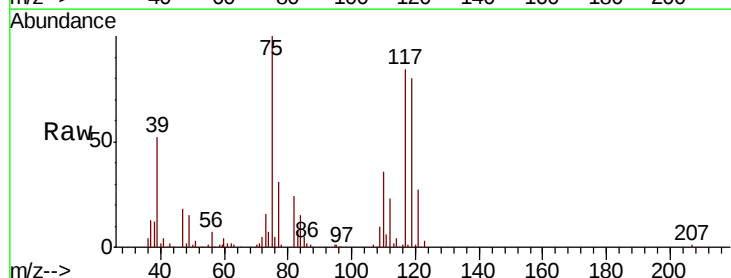
Tgt Ion: 75 Resp: 72692

Ion Ratio Lower Upper

75 100

110 39.0 19.4 58.4

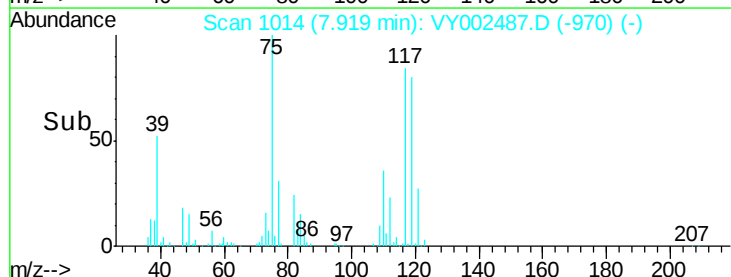
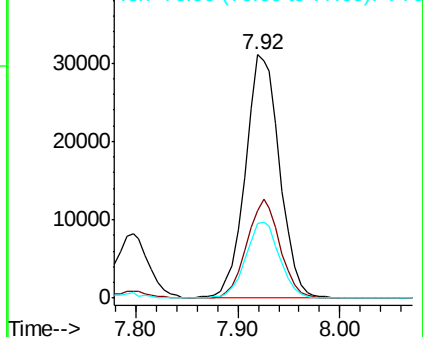
77 30.9 24.7 37.1

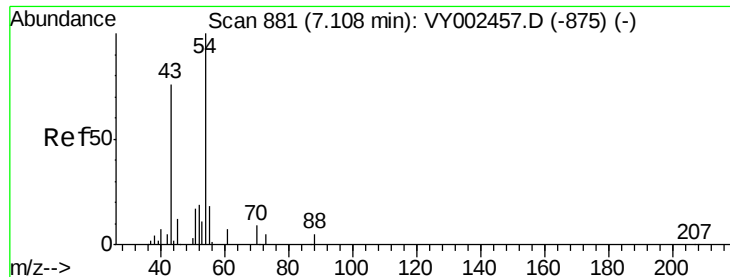


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

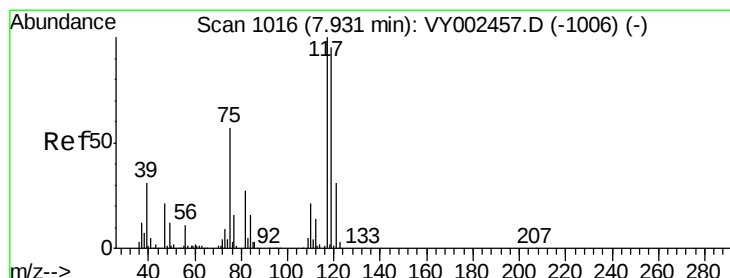
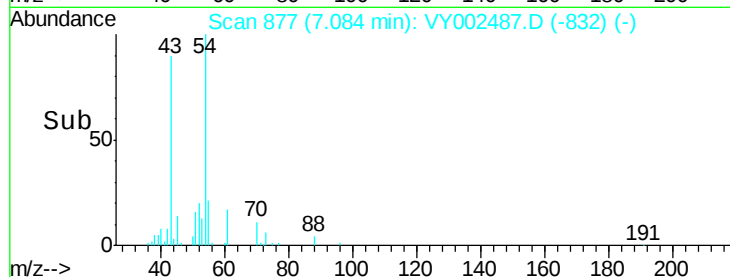
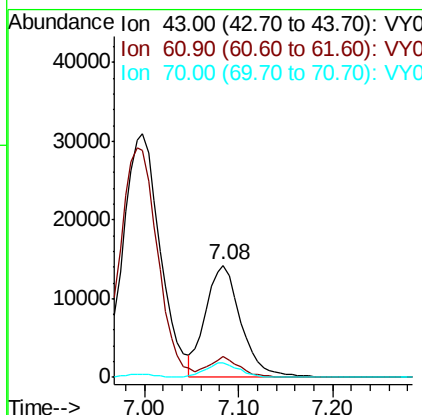
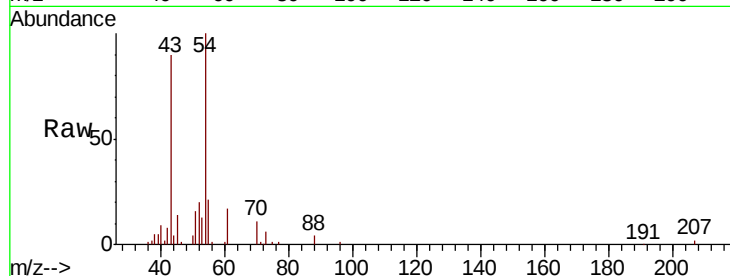




#37
Ethyl Acetate
Concen: 20.491 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.02 min
Lab File: VY002487.D
Acq: 28 Apr 2020 12:30

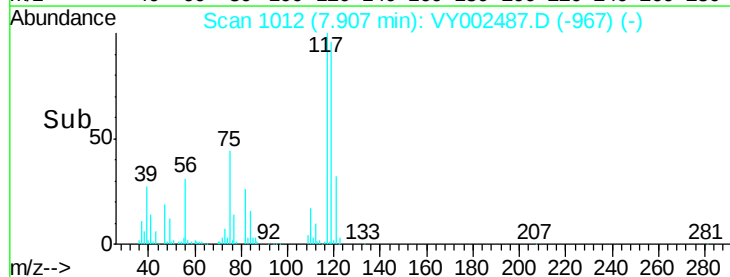
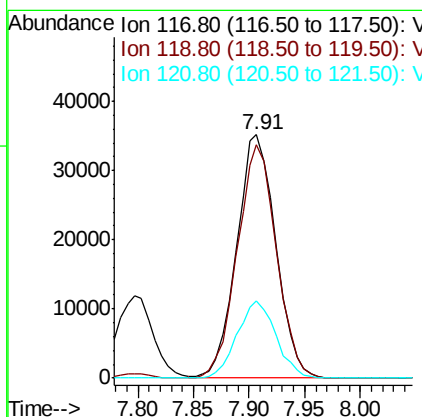
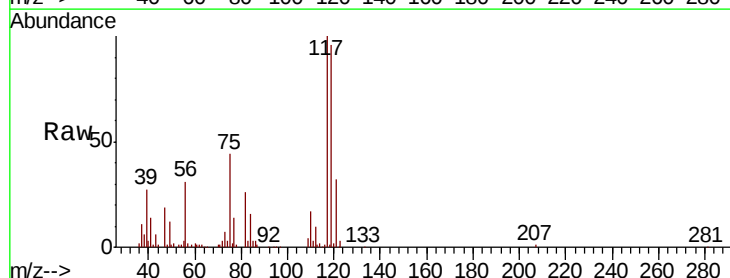
Instrument :
MSVOA_Y
ClientSampleId :

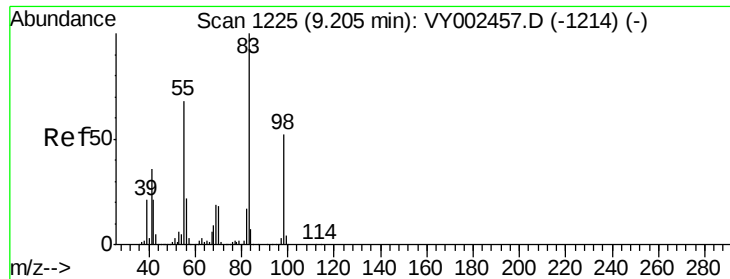
Tot Ion: 43 Resp: 37307
Ion Ratio Lower Upper
43 100
61 15.6 11.8 17.8
70 12.3 9.3 13.9



#38
Carbon Tetrachloride
Concen: 20.642 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.02 min
Lab File: VY002487.D
Acq: 28 Apr 2020 12:30

Tgt Ion: 117 Resp: 86024
Ion Ratio Lower Upper
117 100
119 95.8 75.9 113.9
121 31.8 24.5 36.7

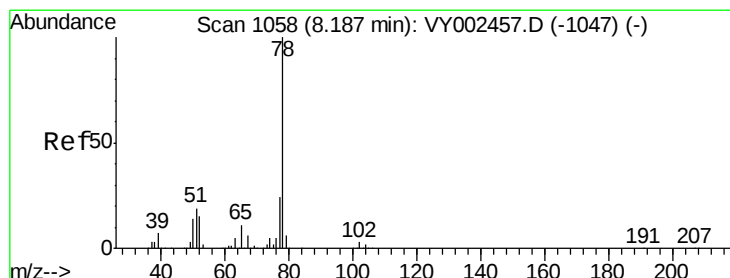
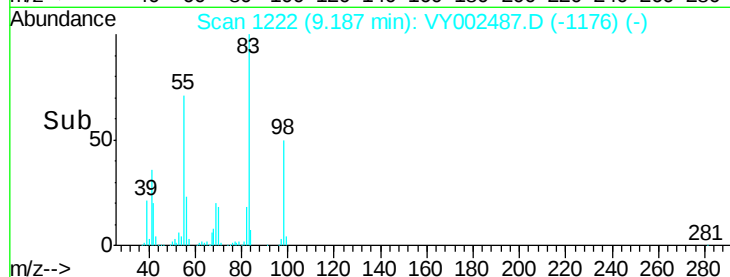
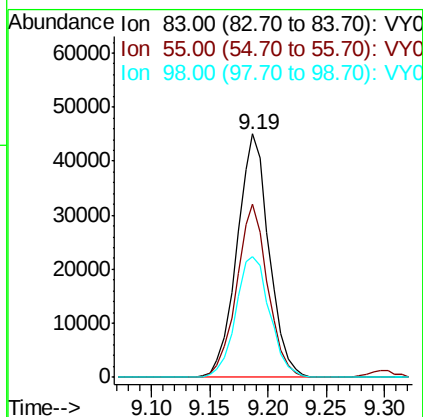
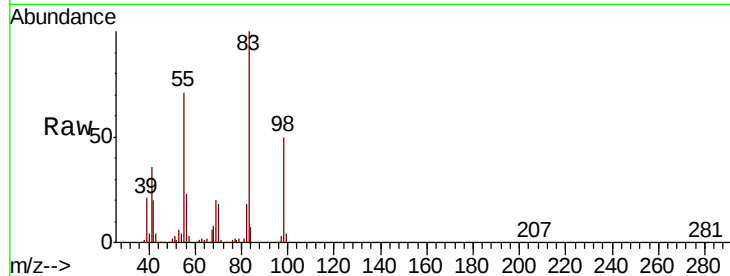




#39
Methvlcvclohexane
Concen: 18.210 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.02 min
Lab File: VY002487.D
Acq: 28 Apr 2020 12:30

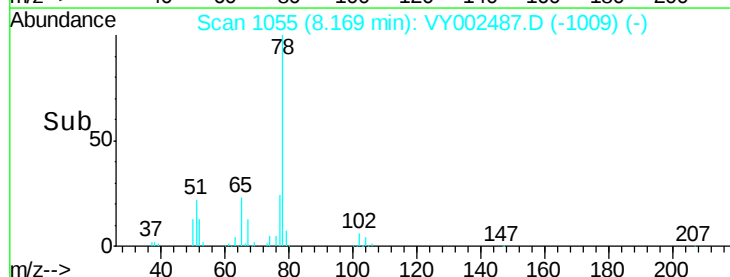
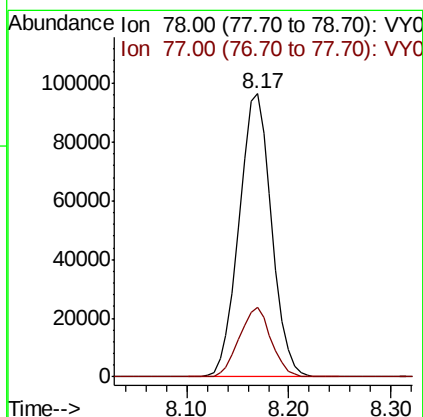
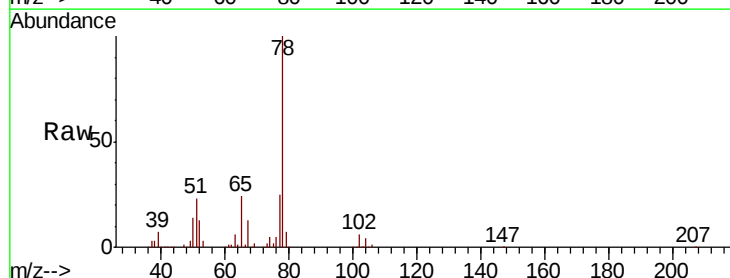
Instrument :
MSVOA_Y
ClientSampleId :

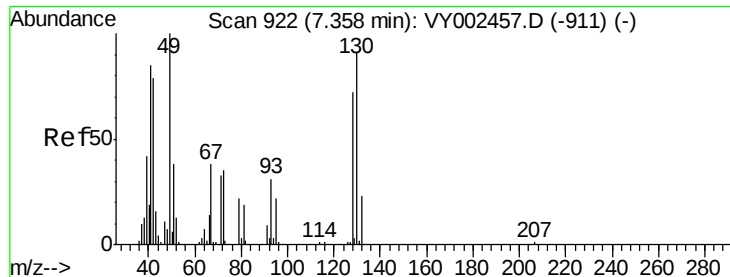
Tot Ion: 83 Resp: 86090
Ion Ratio Lower Upper
83 100
55 71.0 54.2 81.2
98 49.7 41.9 62.9



#40
Benzene
Concen: 20.401 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.02 min
Lab File: VY002487.D
Acq: 28 Apr 2020 12:30

Tgt Ion: 78 Resp: 213691
Ion Ratio Lower Upper
78 100
77 24.8 19.4 29.0

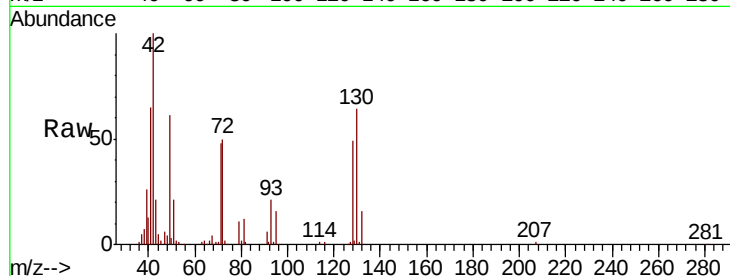




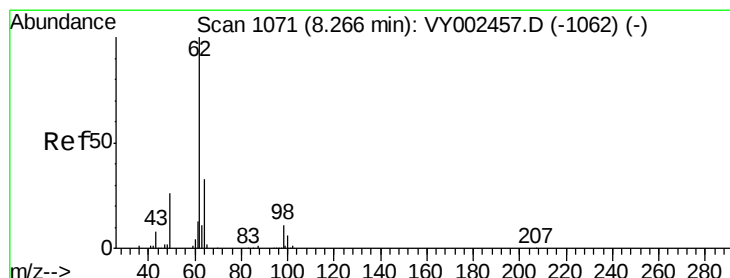
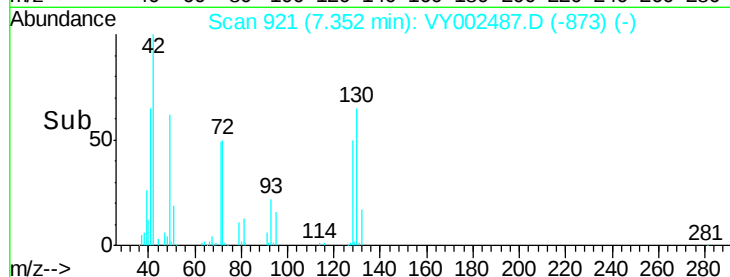
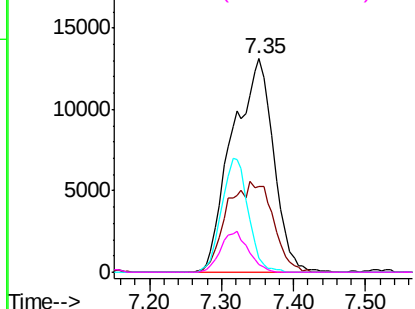
#41
Methacrylonitrile
Concen: 46.852 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY002487.D
Acq: 28 Apr 2020 12:30

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:	41	Resp:	52554
Ion	Ratio	Lower	Upper
41	100		
39	47.1	85.7	128.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

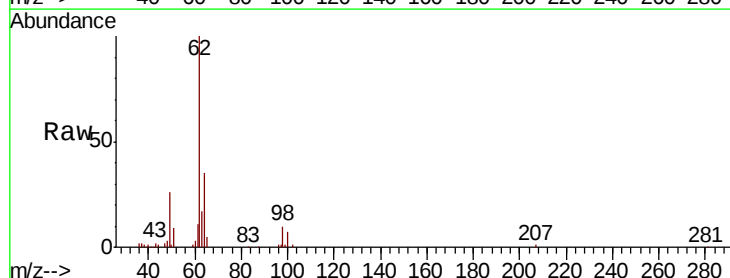


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

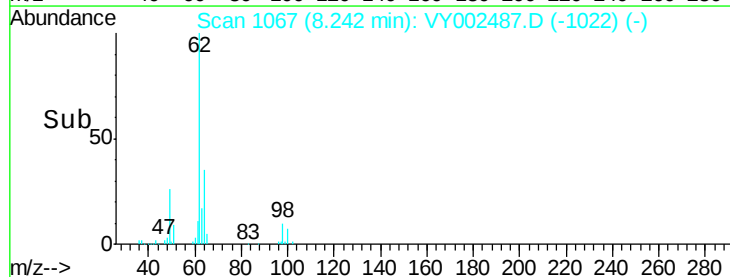
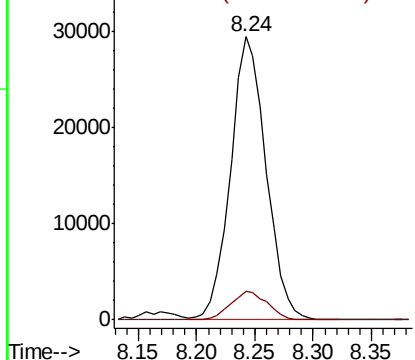


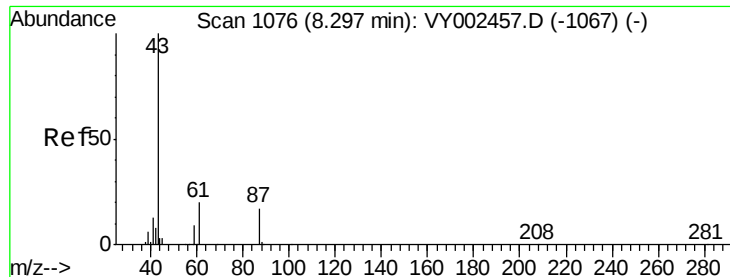
#42
1,2-Dichloroethane
Concen: 20.563 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.02 min
Lab File: VY002487.D
Acq: 28 Apr 2020 12:30

Tgt Ion:	62	Resp:	62569
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.6



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





#43

Isopropyl Acetate

Concen: 20.283 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.02 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

Instrument :

MSVOA_Y

ClientSampleId :

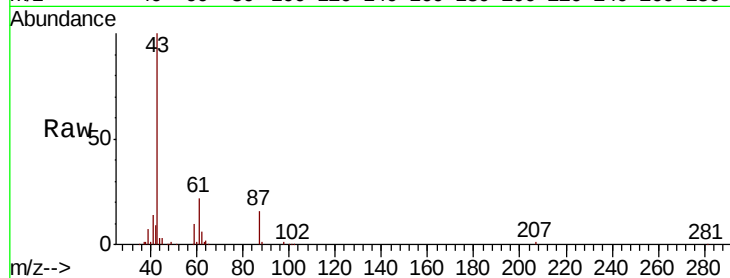
Tot Ion: 43 Resp: 69069

Ion Ratio Lower Upper

43 100

61 31.3 25.0 37.4

87 16.1 13.0 19.4

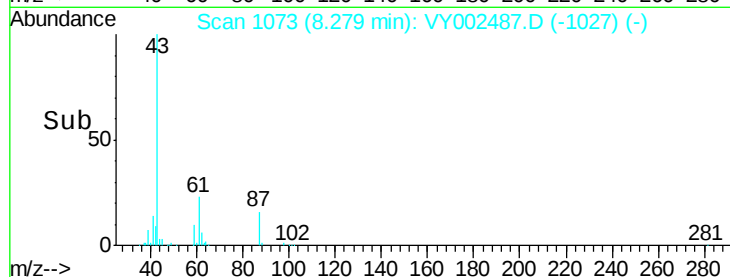


Abundance Ion 43.00 (42.70 to 43.70): VY002487.D (-1067) (-)

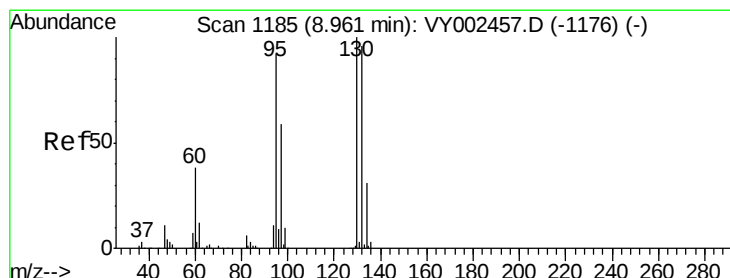
Ion 61.00 (60.70 to 61.70): VY002487.D (-1067) (-)

Ion 87.00 (86.70 to 87.70): VY002487.D (-1067) (-)

Time-->



Time-->



#44

Trichloroethene

Concen: 20.642 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.02 min

Lab File: VY002487.D

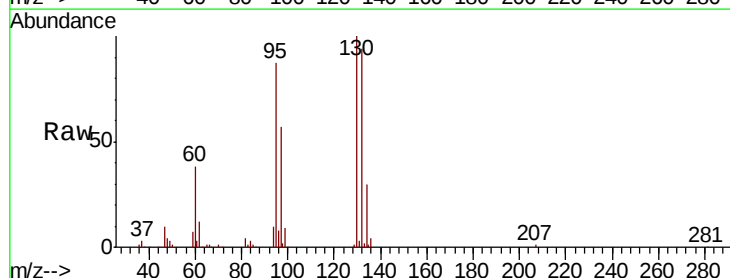
Acq: 28 Apr 2020 12:30

Tgt Ion: 130 Resp: 67610

Ion Ratio Lower Upper

130 100

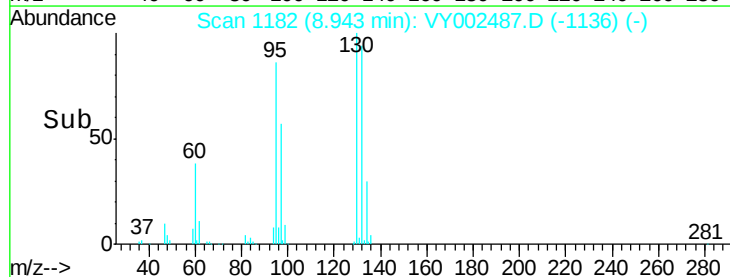
95 86.6 0.0 184.2



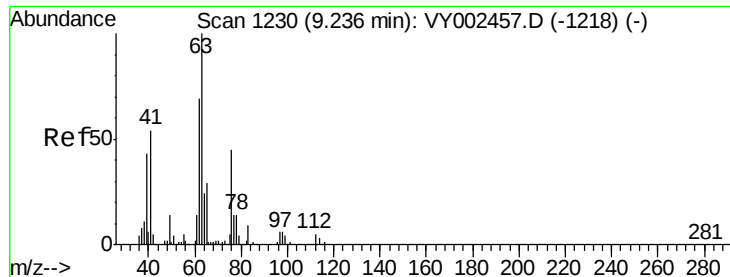
Abundance Ion 129.80 (129.50 to 130.50): VY002487.D (-1136) (-)

Ion 94.90 (94.60 to 95.60): VY002487.D (-1136) (-)

Time-->



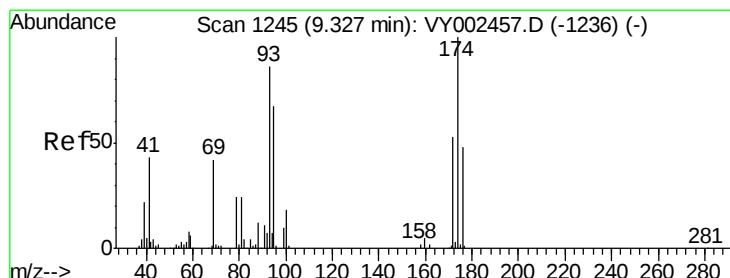
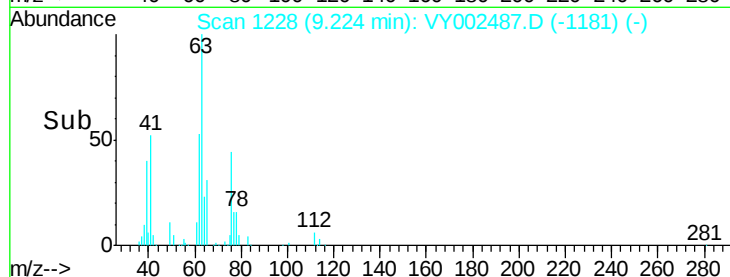
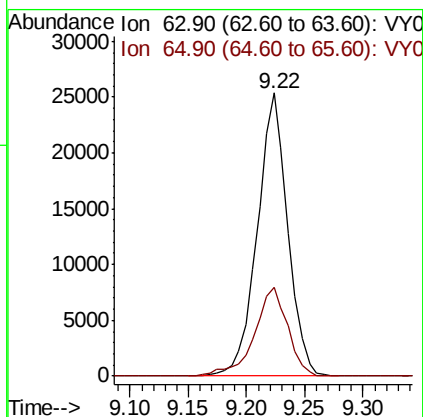
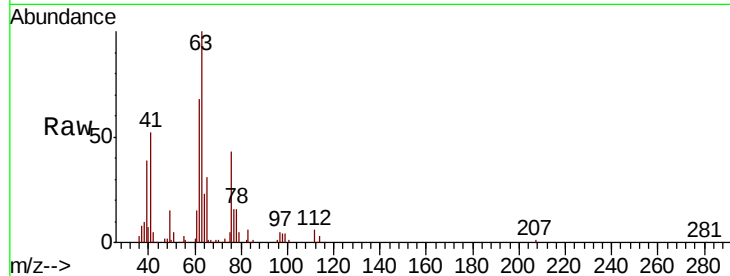
Time-->



#45
 1,2-Dichloropropane
 Concen: 19.071 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY002487.D
 Acq: 28 Apr 2020 12:30

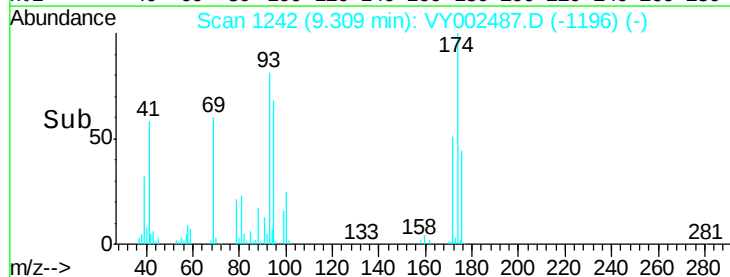
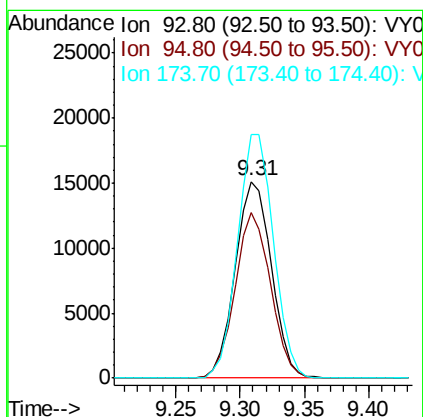
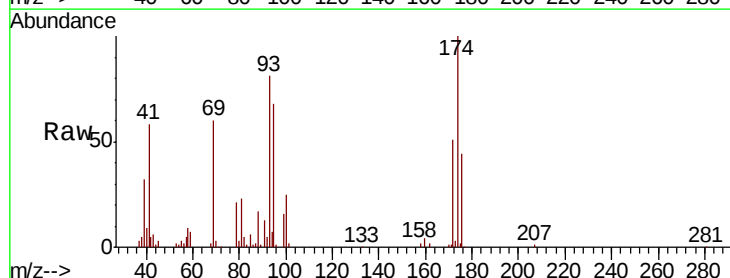
Instrument :
 MSVOA_Y
 ClientSampleId :

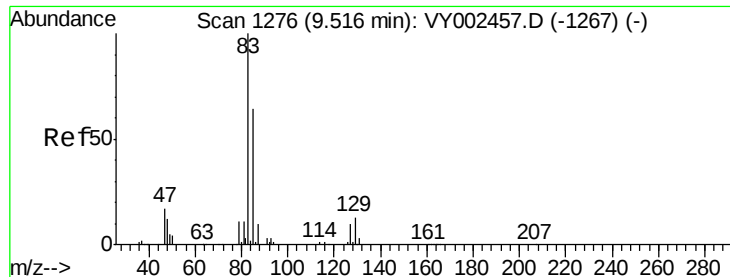
Tot Ion: 63 Resp: 46040
 Ion Ratio Lower Upper
 63 100
 65 31.4 23.4 35.0



#46
 Dibromomethane
 Concen: 20.902 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.02 min
 Lab File: VY002487.D
 Acq: 28 Apr 2020 12:30

Tgt Ion: 93 Resp: 29523
 Ion Ratio Lower Upper
 93 100
 95 82.4 65.4 98.0
 174 122.9 94.8 142.2





#47

Bromodichloromethane

Concen: 20.548 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

Instrument :
MSVOA_Y
ClientSampled :

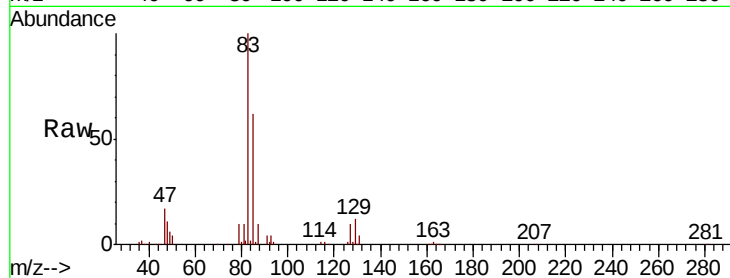
Tot Ion: 83 Resp: 72580

Ion Ratio Lower Upper

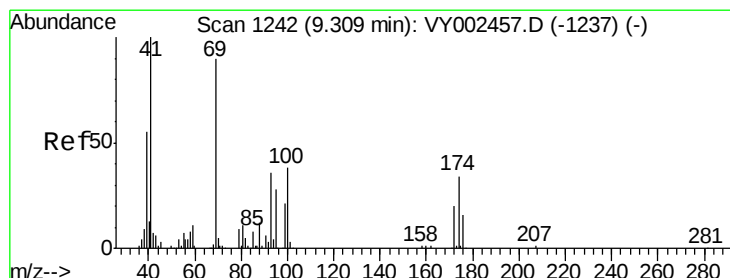
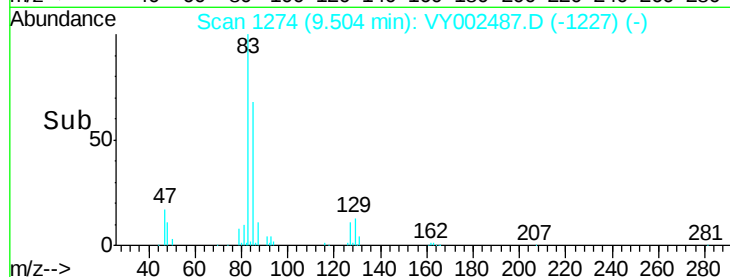
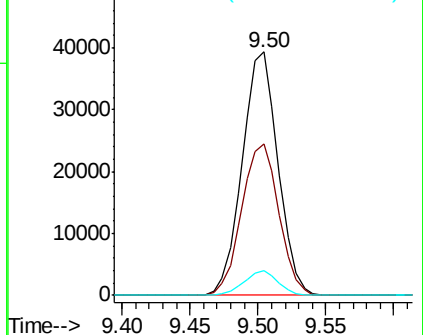
83 100

85 62.4 51.2 76.8

127 10.0 7.7 11.5



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



#48

Methyl methacrylate

Concen: 20.449 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

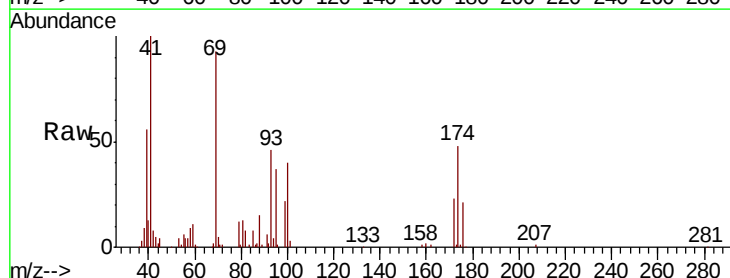
Tgt Ion: 41 Resp: 31789

Ion Ratio Lower Upper

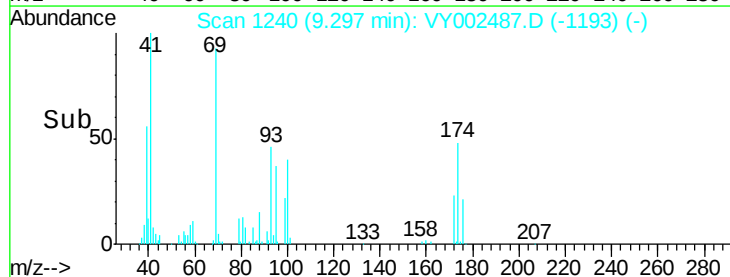
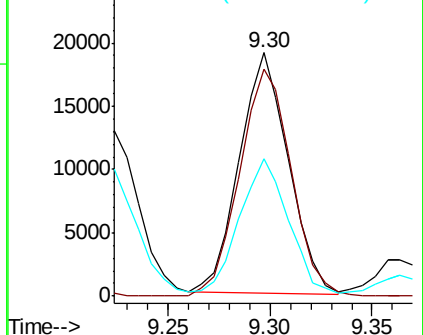
41 100

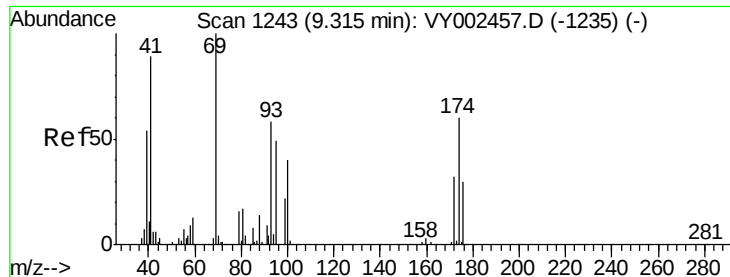
69 99.3 77.9 116.9

39 58.1 47.9 71.9



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: 441.830 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. -0.01 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

Instrument :
MSVOA_Y
ClientSampleId :

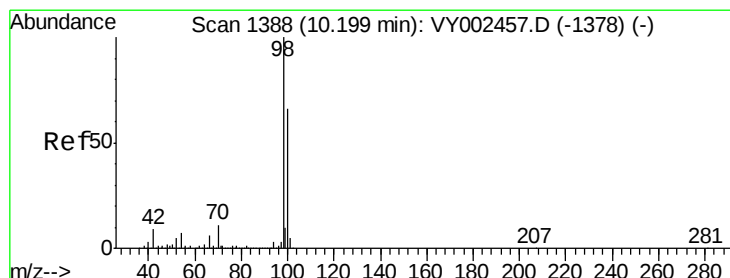
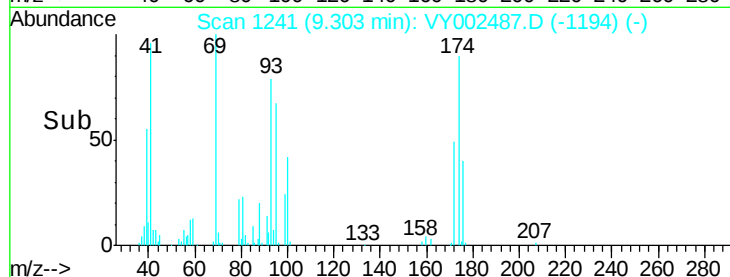
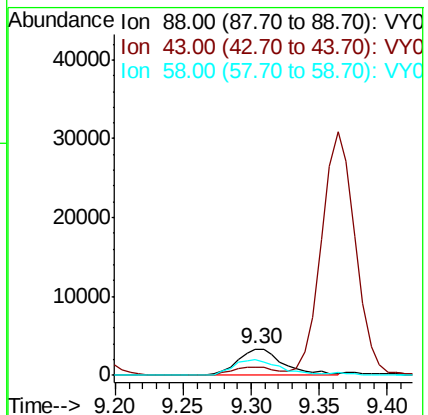
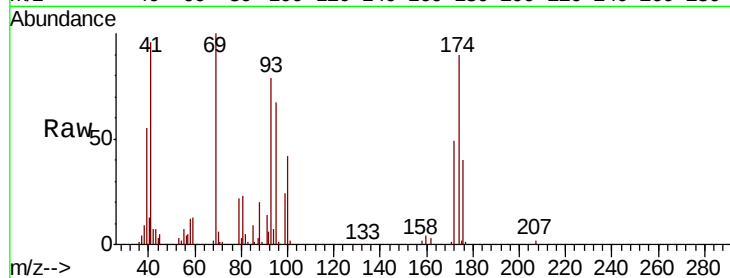
Tot Ion: 88 Resp: 7953

Ion Ratio Lower Upper

88 100

43 31.6 22.9 34.3

58 61.7 49.5 74.3



#50

Toluene-d8

Concen: 48.566 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.02 min

Lab File: VY002487.D

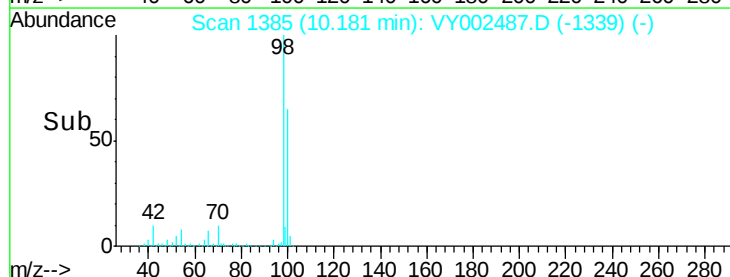
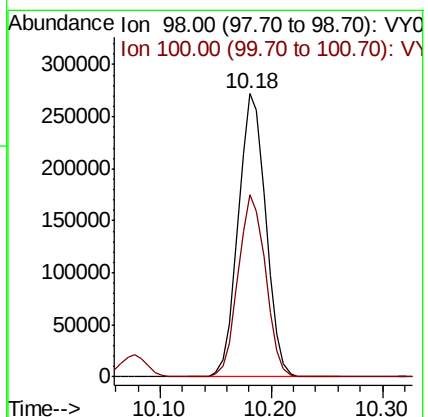
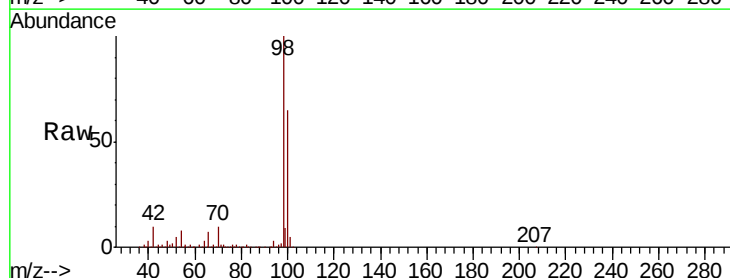
Acq: 28 Apr 2020 12:30

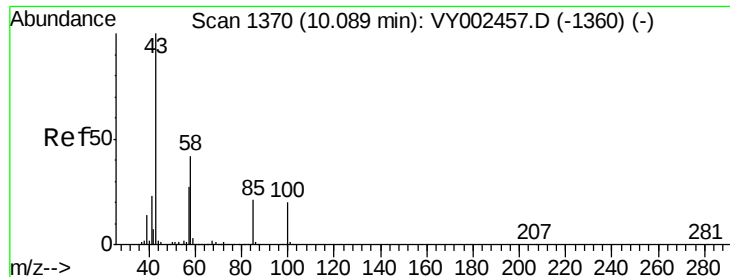
Tgt Ion: 98 Resp: 465351

Ion Ratio Lower Upper

98 100

100 64.3 51.1 76.7

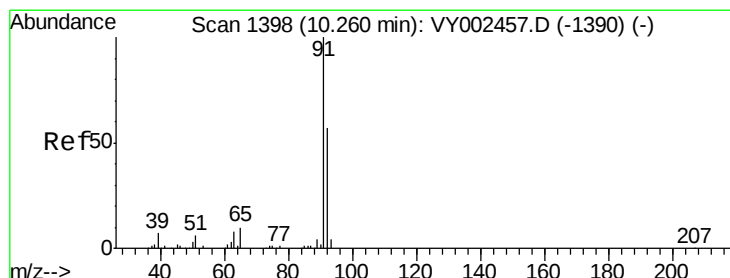
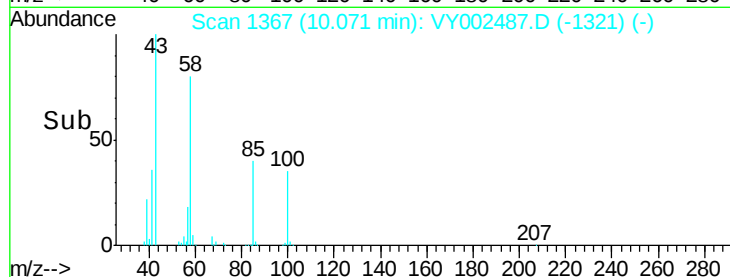
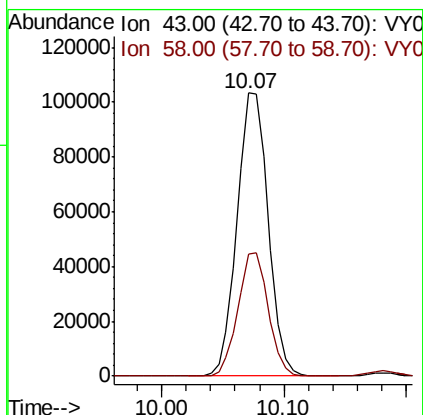
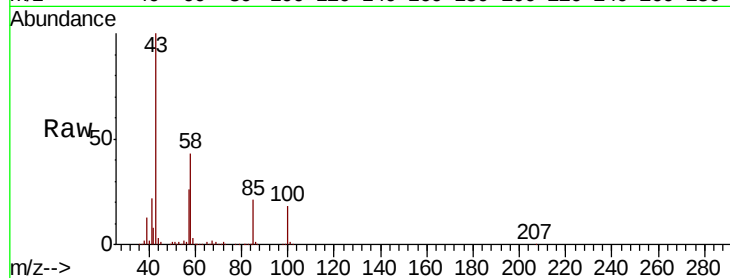




#51
4-Methyl-2-Pentanone
Concen: 103.112 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VY002487.D
Acq: 28 Apr 2020 12:30

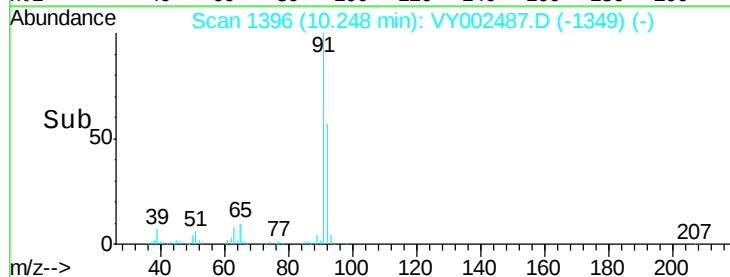
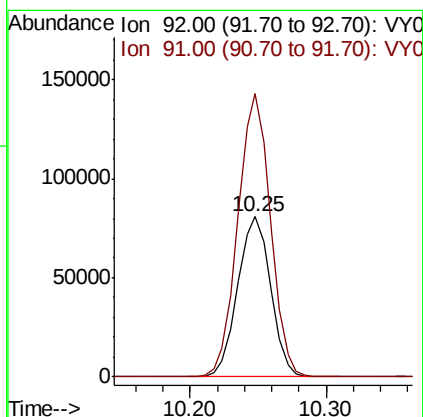
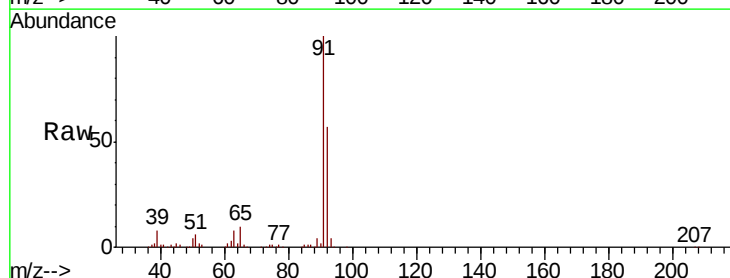
Instrument :
MSVOA_Y
ClientSampled :

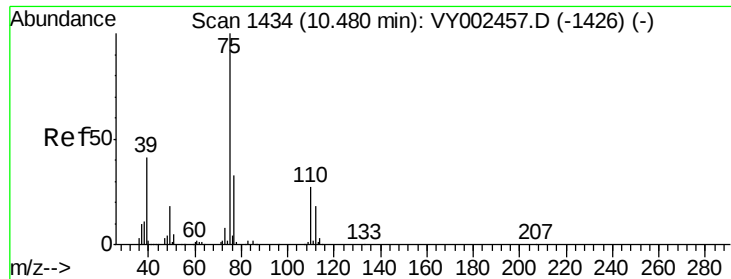
Tot Ion: 43 Resp: 182378
Ion Ratio Lower Upper
43 100
58 42.4 33.2 49.8



#52
Toluene
Concen: 20.314 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. -0.01 min
Lab File: VY002487.D
Acq: 28 Apr 2020 12:30

Tgt Ion: 92 Resp: 136970
Ion Ratio Lower Upper
92 100
91 174.3 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 20.799 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.01 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

Instrument :

MSVOA_Y

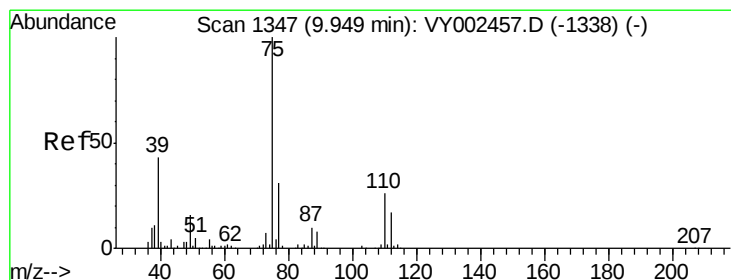
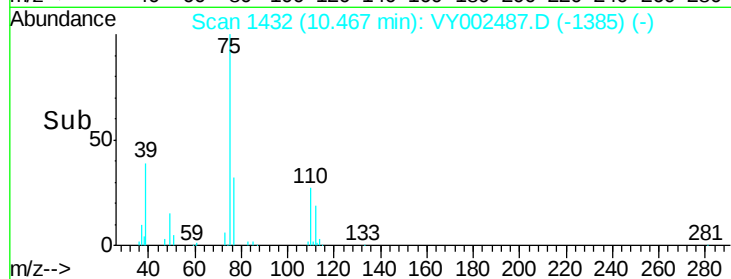
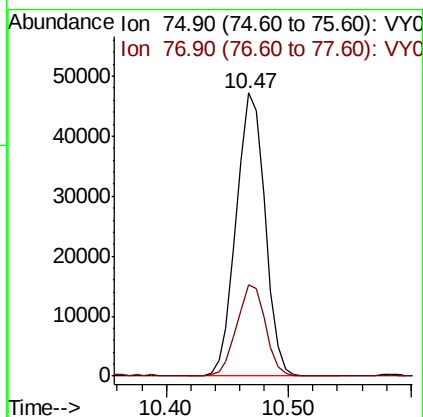
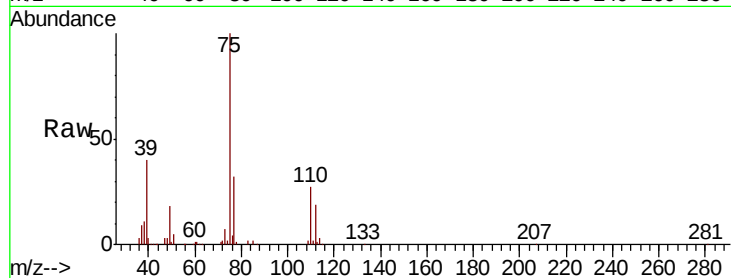
ClientSampleId :

Tot Ion: 75 Resp: 77153

Ion Ratio Lower Upper

75 100

77 32.3 26.4 39.6



#54

cis-1,3-Dichloropropene

Concen: 20.570 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.02 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

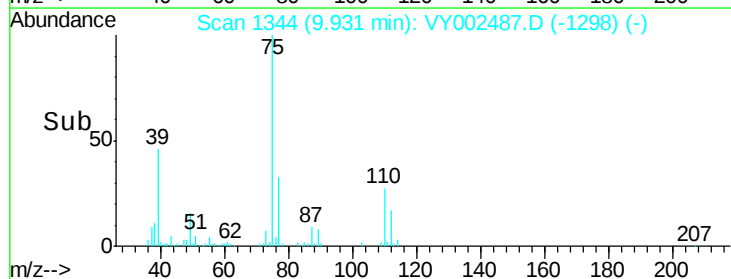
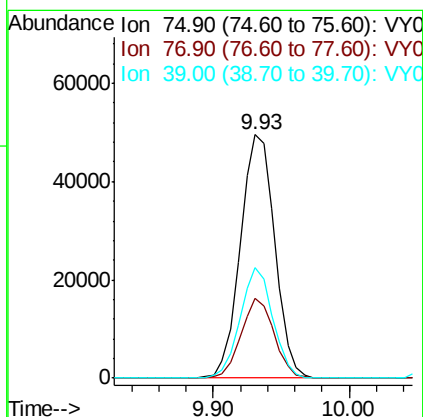
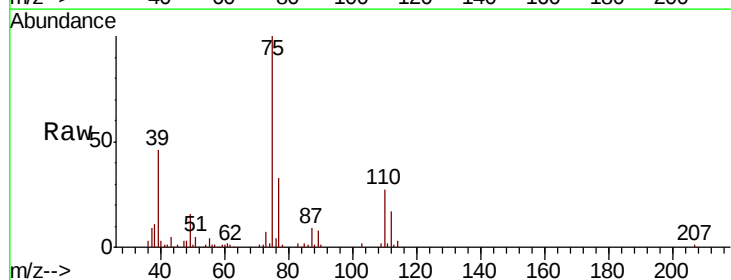
Tgt Ion: 75 Resp: 87334

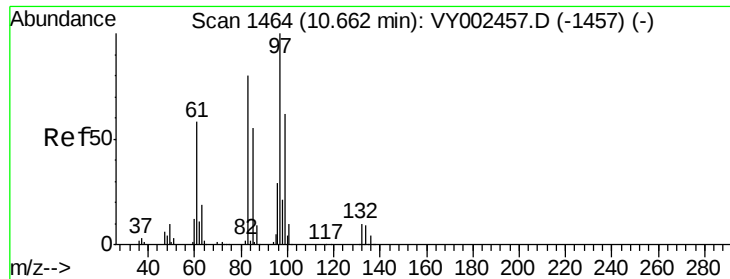
Ion Ratio Lower Upper

75 100

77 33.0 25.2 37.8

39 45.5 34.2 51.2

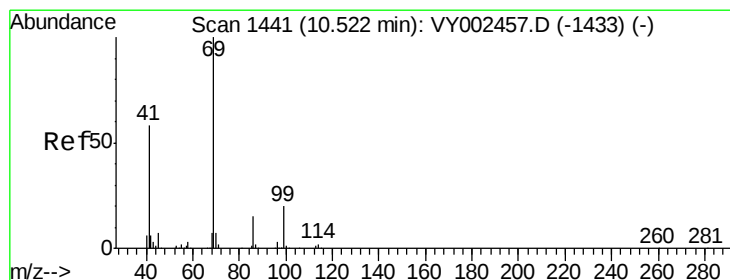
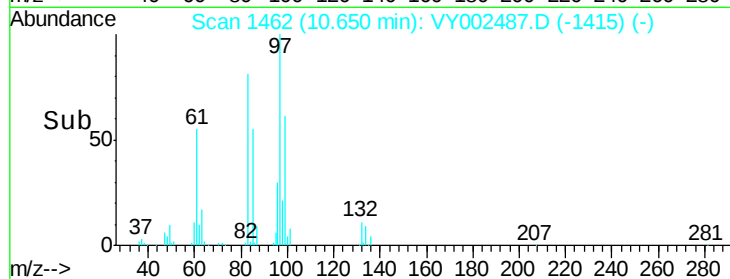
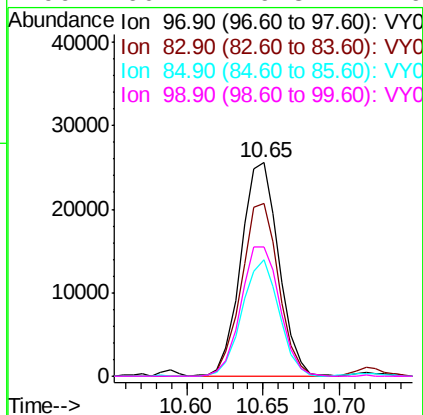
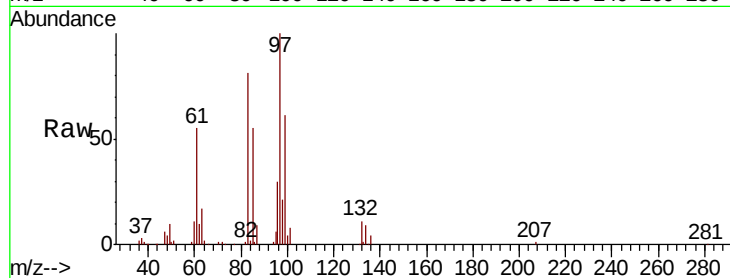




#55
 1,1,2-Trichloroethane
 Concen: 20.941 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: VY002487.D
 Acq: 28 Apr 2020 12:30

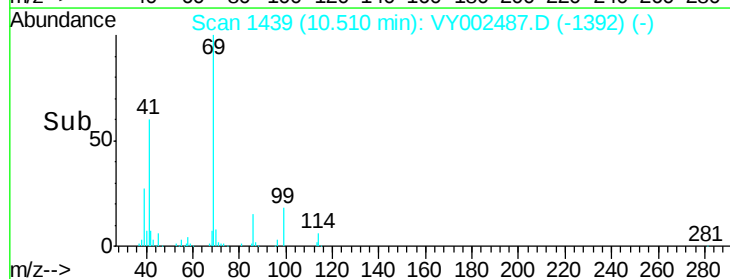
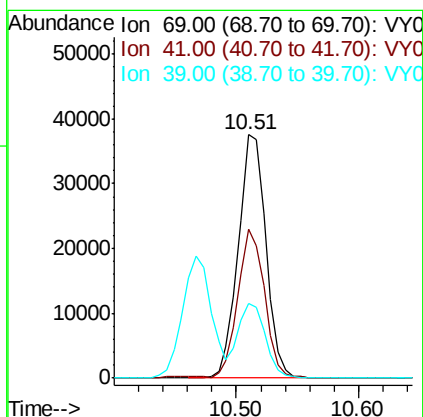
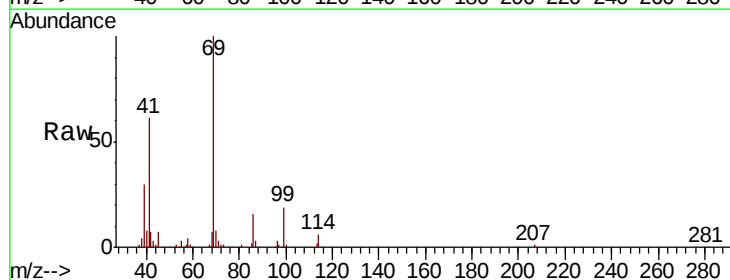
Instrument :
 MSVOA_Y
 ClientSampleId :

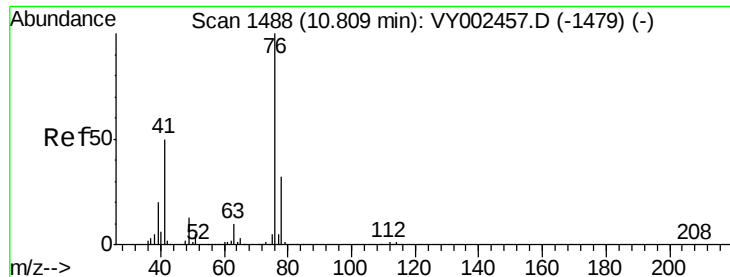
Tot Ion:	97	Resp:	43733
Ion	Ratio	Lower	Upper
97	100		
83	81.1	63.8	95.8
85	54.6	43.9	65.9
99	60.7	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 20.675 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: VY002487.D
 Acq: 28 Apr 2020 12:30

Tgt Ion:	69	Resp:	58995
Ion	Ratio	Lower	Upper
69	100		
41	59.4	47.5	71.3
39	30.4	25.7	38.5





#57

1,3-Dichloropropane

Concen: 20.533 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.02 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

Instrument :

MSVOA_Y

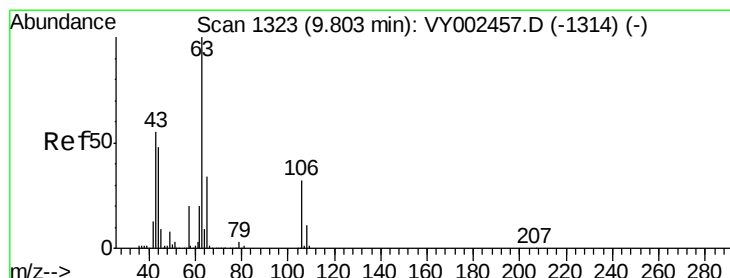
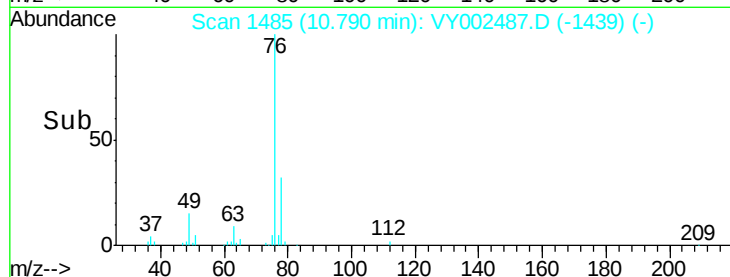
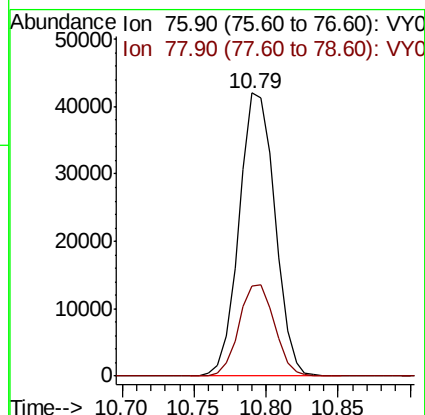
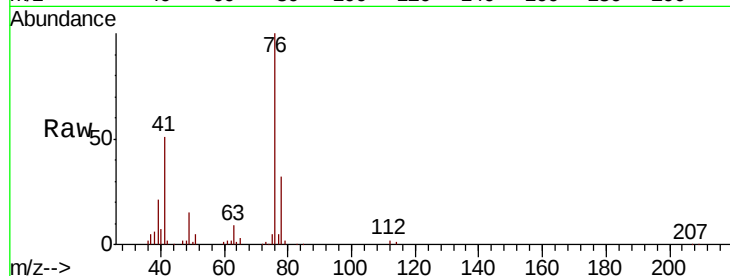
ClientSampleId :

Tot Ion: 76 Resp: 72395

Ion Ratio Lower Upper

76 100

78 32.2 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 106.192 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.02 min

Lab File: VY002487.D

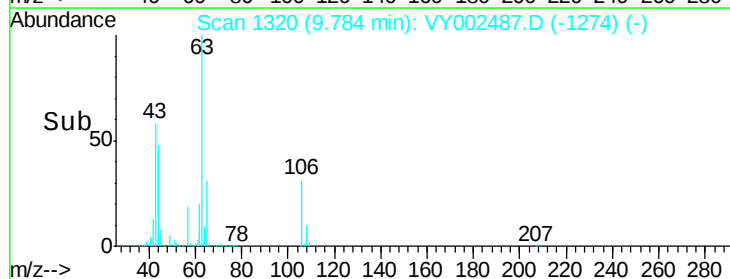
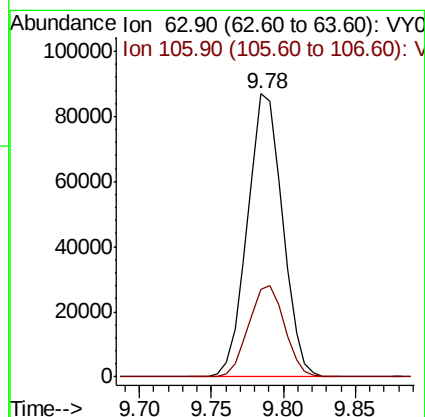
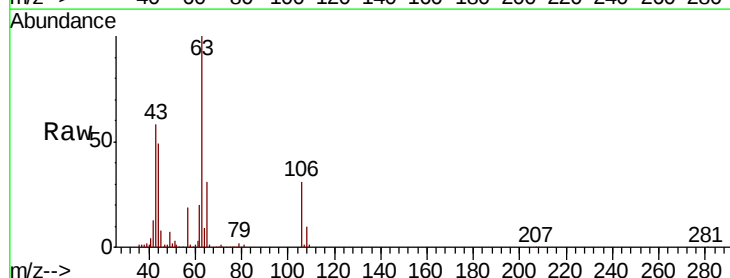
Acq: 28 Apr 2020 12:30

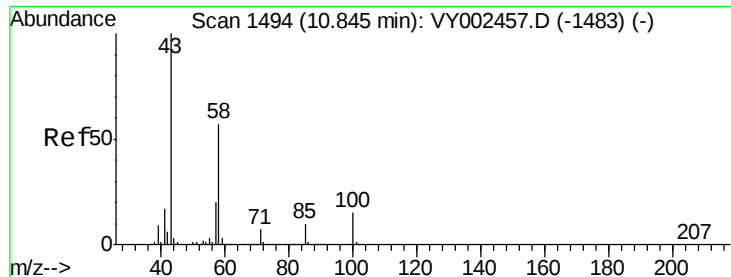
Tgt Ion: 63 Resp: 146533

Ion Ratio Lower Upper

63 100

106 32.9 26.0 39.0

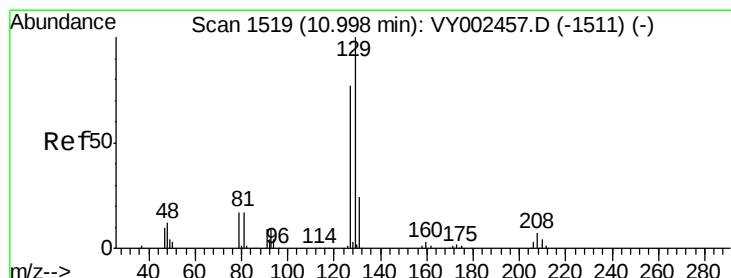
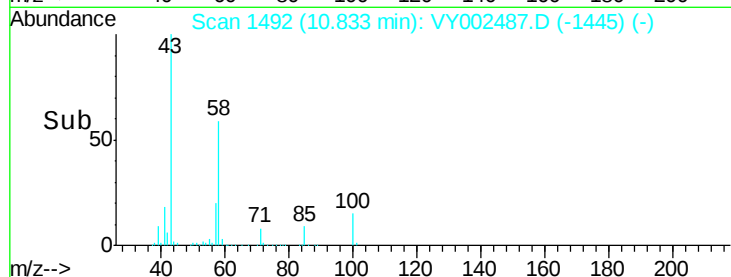
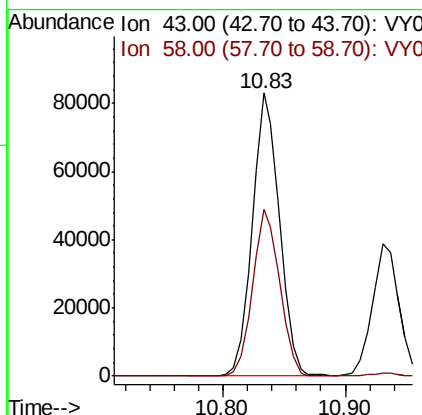
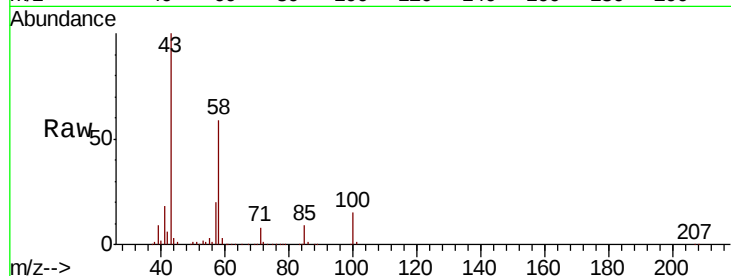




#59
2-Hexanone
Concen: 104.055 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY002487.D
Acq: 28 Apr 2020 12:30

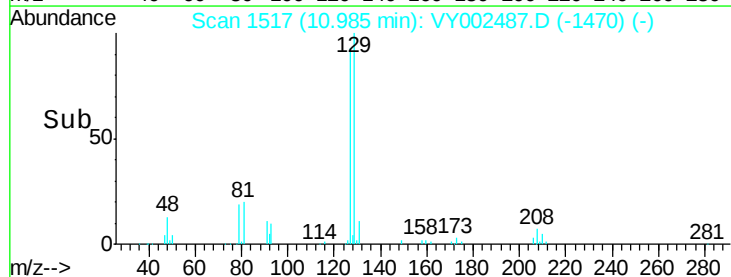
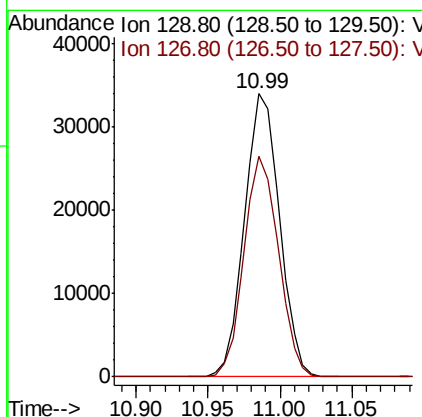
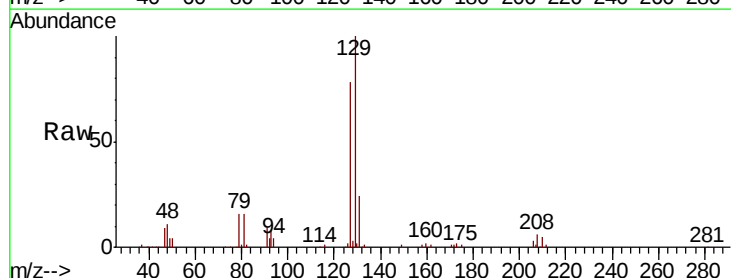
Instrument :
MSVOA_Y
ClientSampled :

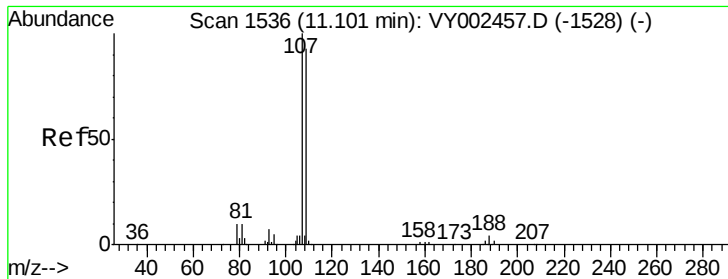
Tot Ion: 43 Resp: 128287
Ion Ratio Lower Upper
43 100
58 59.0 28.8 86.4



#60
Dibromochloromethane
Concen: 20.935 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY002487.D
Acq: 28 Apr 2020 12:30

Tgt Ion: 129 Resp: 57287
Ion Ratio Lower Upper
129 100
127 76.8 38.3 114.9

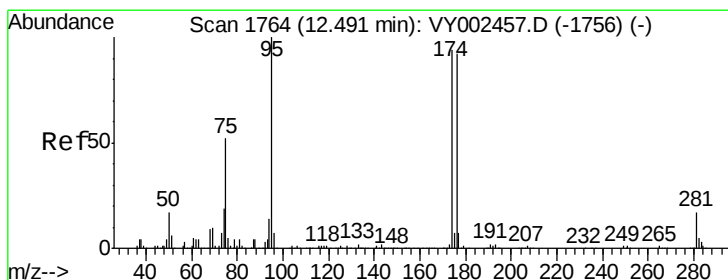
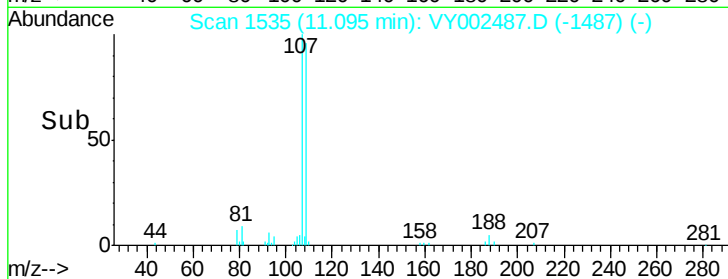
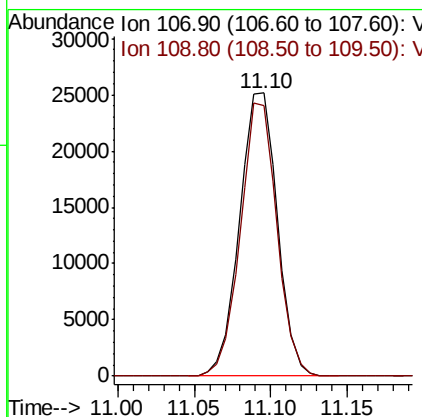
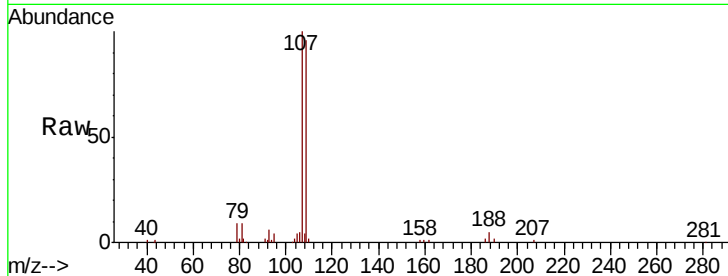




#61
 1,2-Dibromoethane
 Concen: 20.869 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VY002487.D
 Acq: 28 Apr 2020 12:30

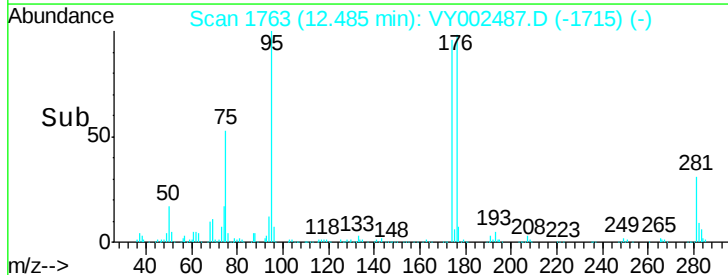
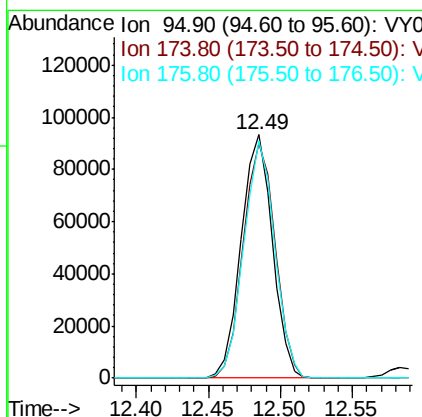
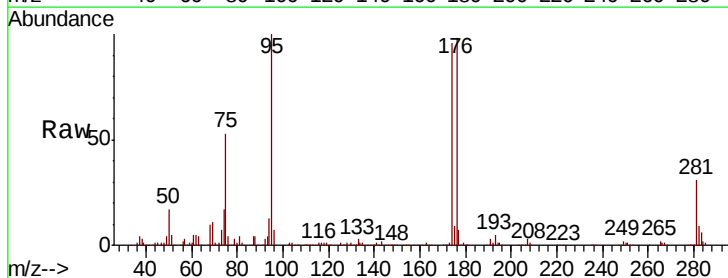
Instrument :
 MSVOA_Y
 ClientSampled :

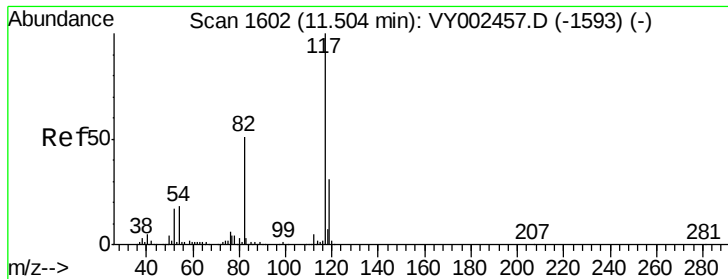
Tot Ion:107 Resp: 43216
 Ion Ratio Lower Upper
 107 100
 109 93.1 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 43.737 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY002487.D
 Acq: 28 Apr 2020 12:30

Tgt Ion: 95 Resp: 140619
 Ion Ratio Lower Upper
 95 100
 174 98.6 0.0 193.0
 176 96.3 0.0 190.4

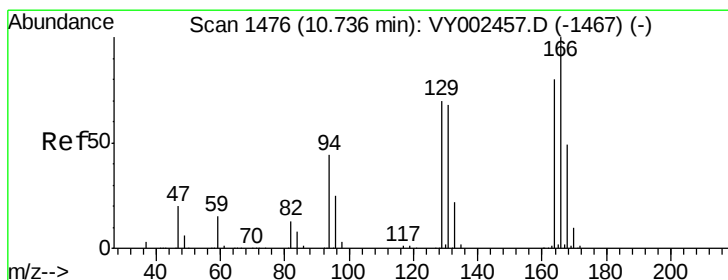
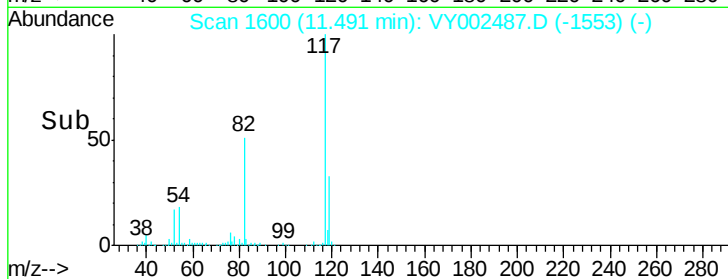
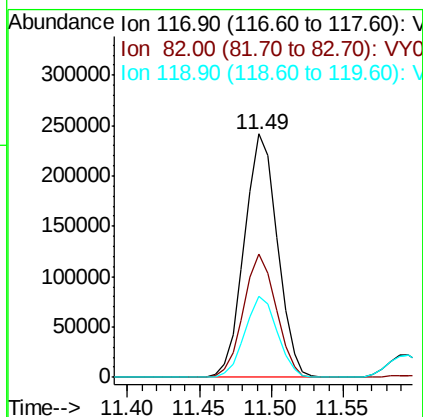
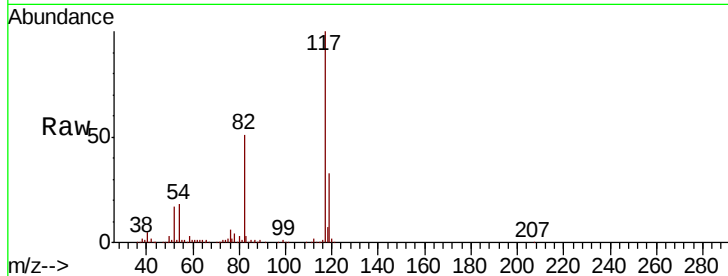




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002487.D
Acq: 28 Apr 2020 12:30

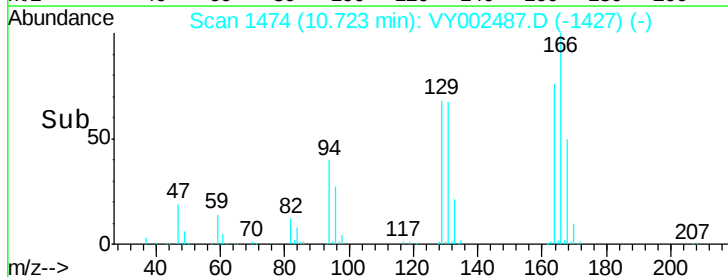
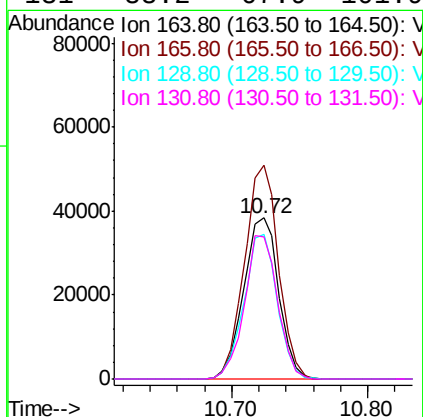
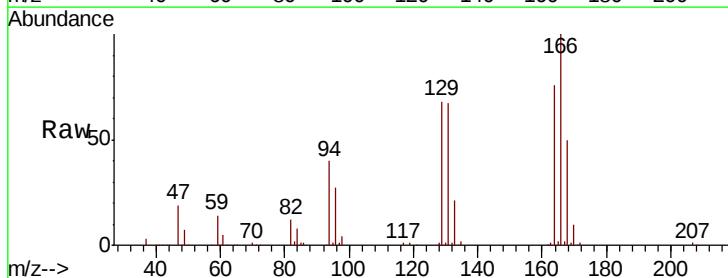
Instrument :
MSVOA_Y
ClientSampleId :

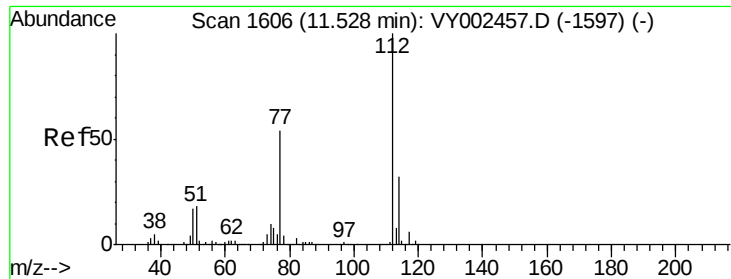
Tot Ion:117 Resp: 384276
Ion Ratio Lower Upper
117 100
82 50.9 40.8 61.2
119 33.0 25.2 37.8



#64
Tetrachloroethene
Concen: 19.675 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY002487.D
Acq: 28 Apr 2020 12:30

Tgt Ion:164 Resp: 69294
Ion Ratio Lower Upper
164 100
166 132.4 100.0 150.0
129 90.0 69.8 104.8
131 88.2 67.9 101.9

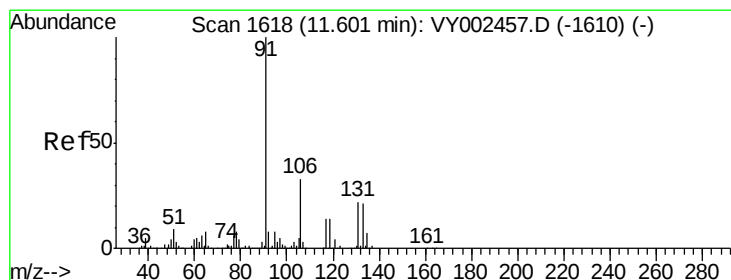
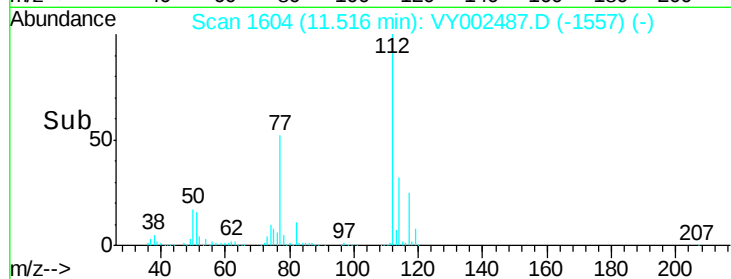
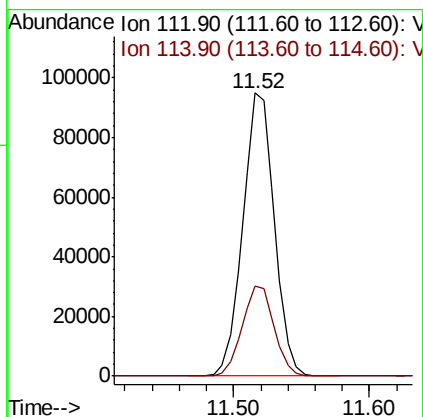
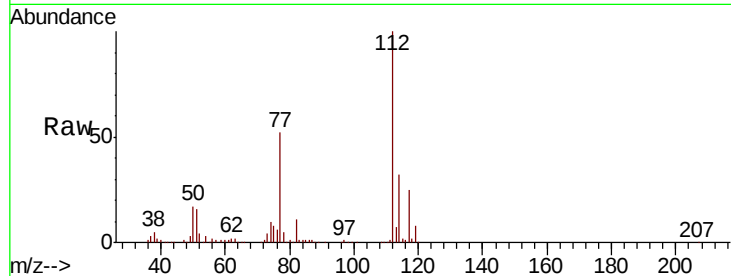




#65
Chlorobenzene
Concen: 20.705 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY002487.D
Acq: 28 Apr 2020 12:30

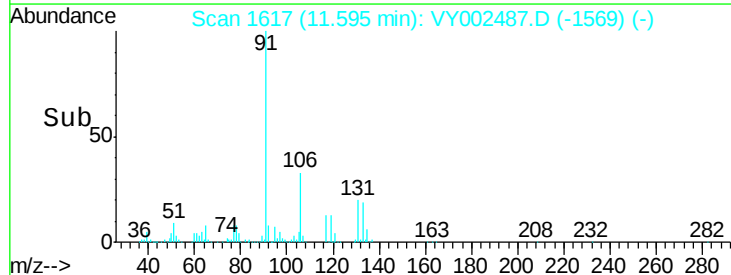
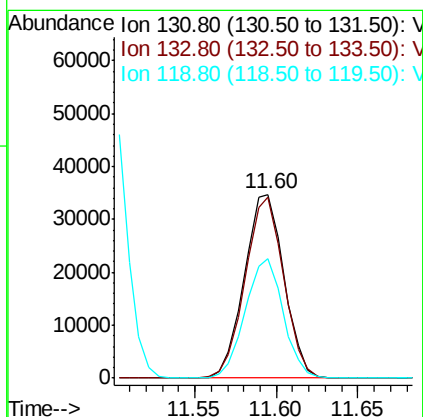
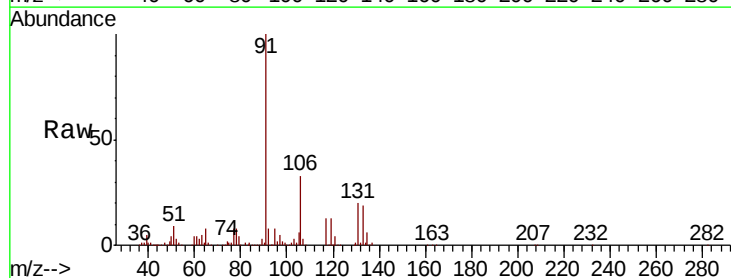
Instrument :
MSVOA_Y
ClientSampled :

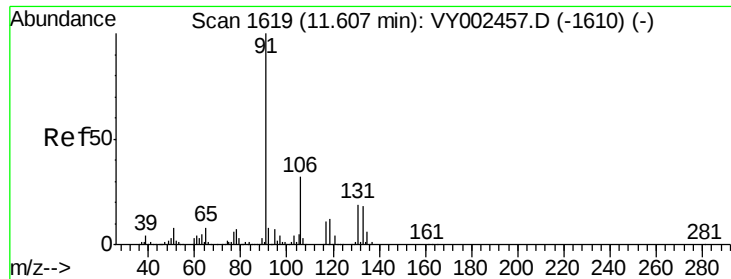
Tot Ion:112 Resp: 153389
Ion Ratio Lower Upper
112 100
114 32.0 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 21.120 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY002487.D
Acq: 28 Apr 2020 12:30

Tgt Ion:131 Resp: 58707
Ion Ratio Lower Upper
131 100
133 95.9 47.8 143.4
119 62.5 31.1 93.3

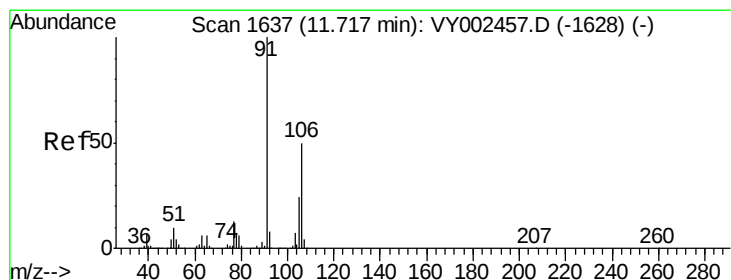
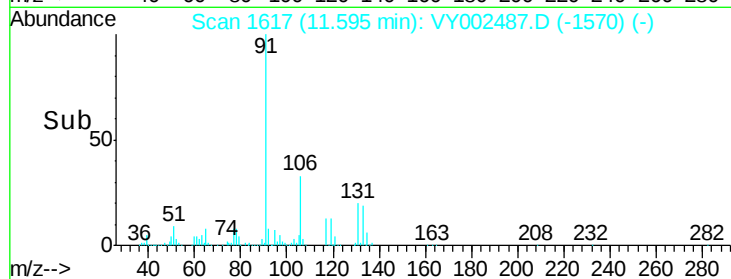
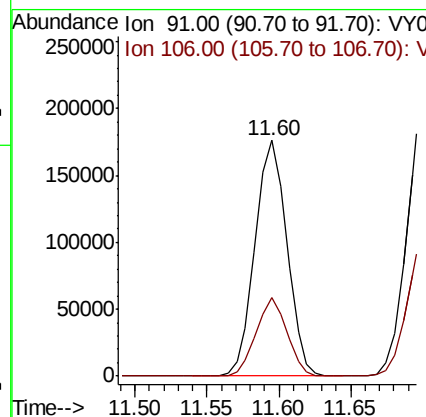
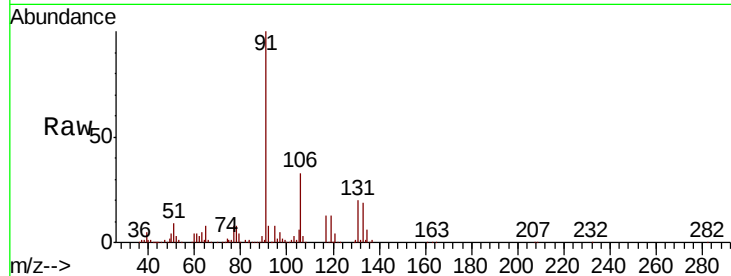




#67
Ethyl Benzene
Concen: 20.417 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY002487.D
Acq: 28 Apr 2020 12:30

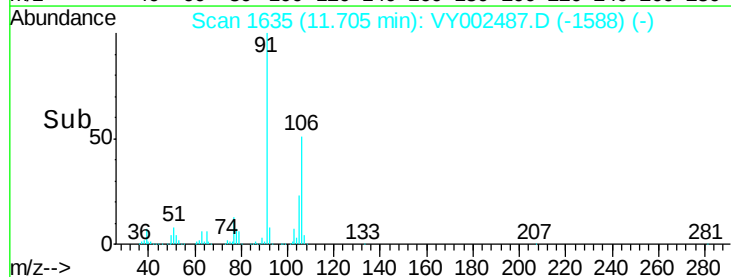
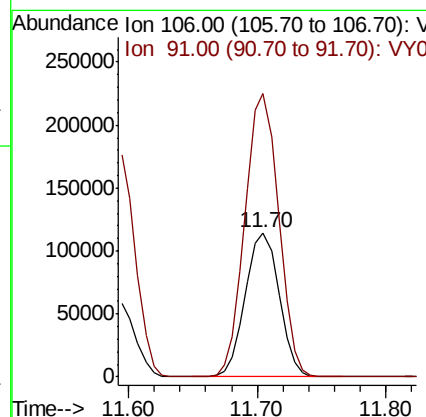
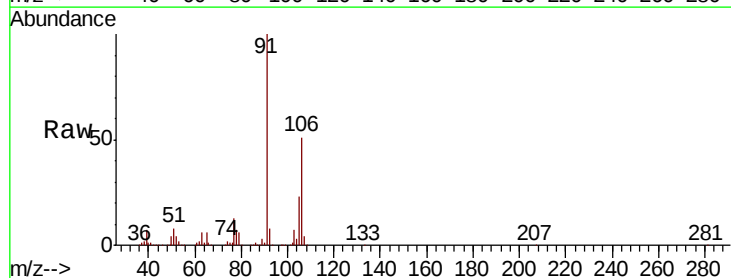
Instrument :
MSVOA_Y
ClientSampleId :

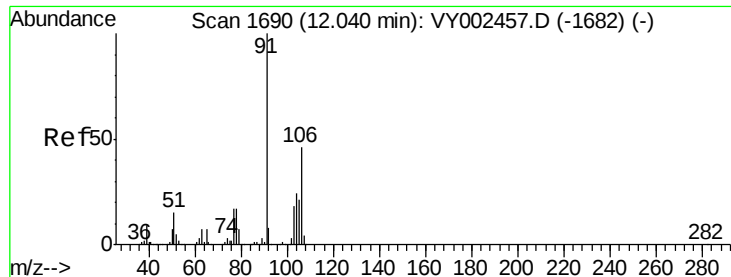
Tot Ion: 91 Resp: 269566
Ion Ratio Lower Upper
91 100
106 33.2 25.8 38.6



#68
m/p-Xylenes
Concen: 41.084 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY002487.D
Acq: 28 Apr 2020 12:30

Tgt Ion: 106 Resp: 208818
Ion Ratio Lower Upper
106 100
91 195.3 159.8 239.6

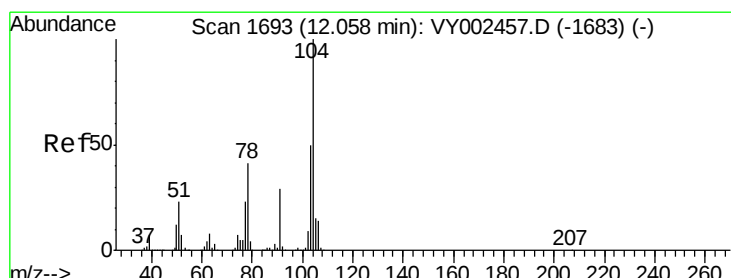
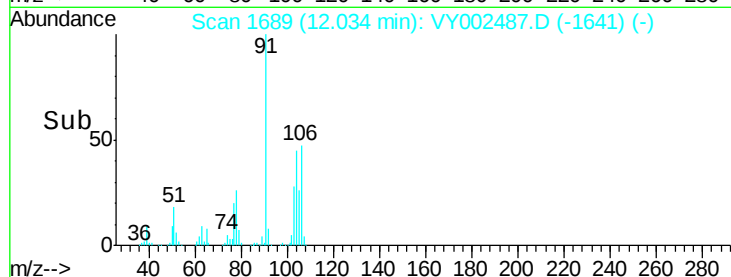
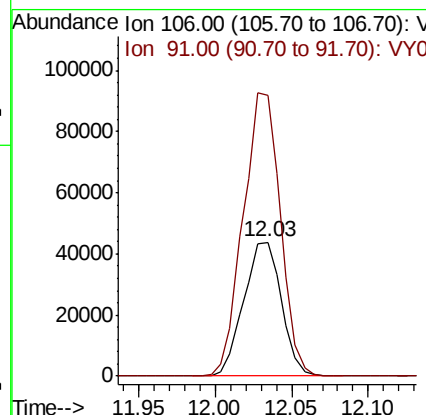
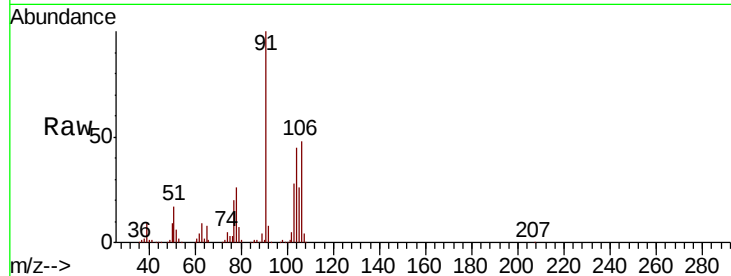




#69
o-Xylene
Concen: 15.913 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY002487.D
Acq: 28 Apr 2020 12:30

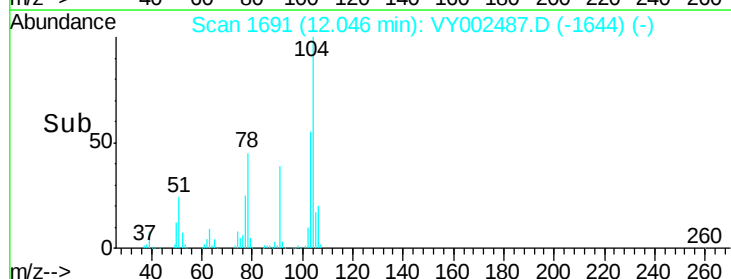
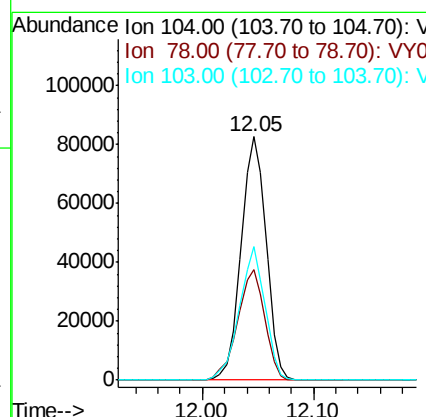
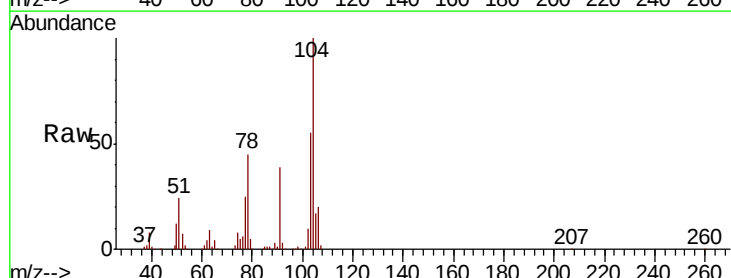
Instrument :
MSVOA_Y
ClientSampled :

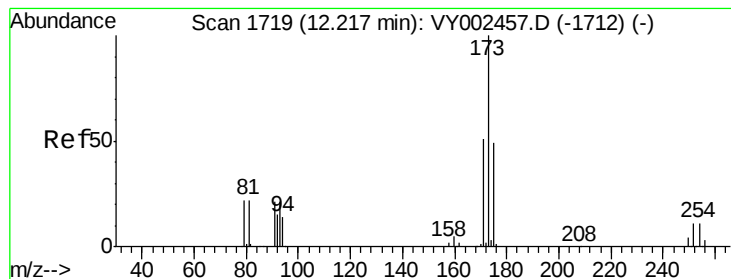
Tot Ion:106 Resp: 74901
Ion Ratio Lower Upper
106 100
91 208.8 104.5 313.3



#70
Styrene
Concen: 15.702 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY002487.D
Acq: 28 Apr 2020 12:30

Tgt Ion:104 Resp: 128690
Ion Ratio Lower Upper
104 100
78 49.1 38.0 57.0
103 56.2 44.4 66.6





#71

Bromoform

Concen: 18.636 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.01 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

Instrument :

MSVOA_Y

ClientSampleId :

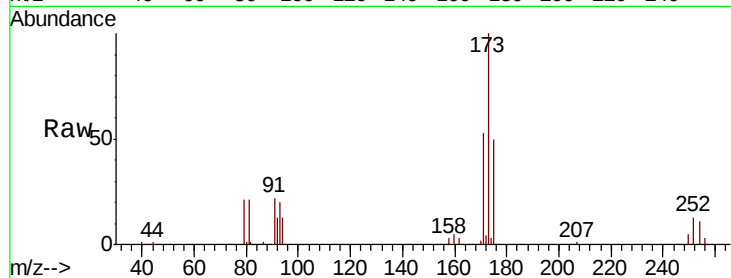
Tot Ion:173 Resp: 32633

Ion Ratio Lower Upper

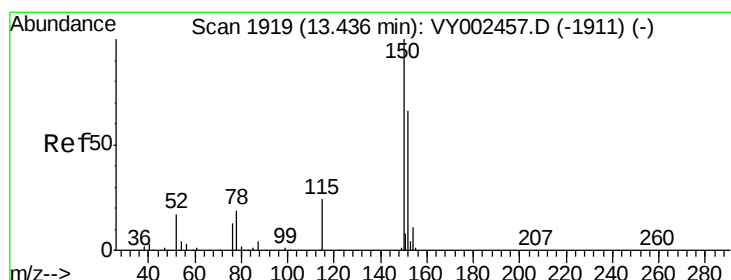
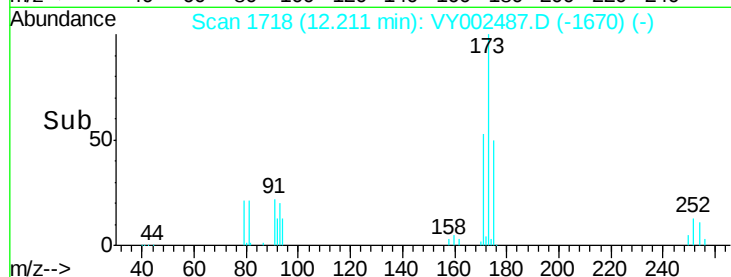
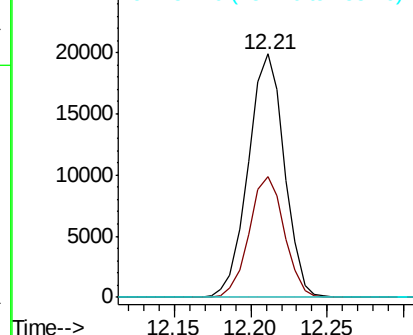
173 100

175 48.3 24.3 73.0

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

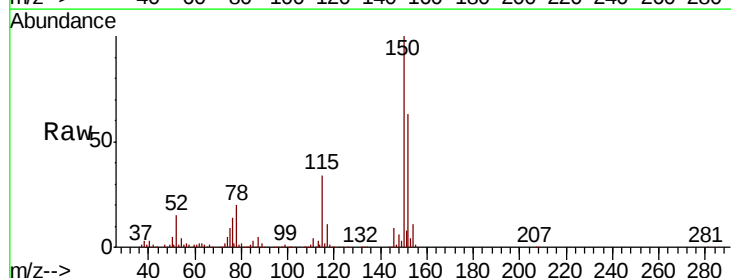
Tgt Ion:152 Resp: 202816

Ion Ratio Lower Upper

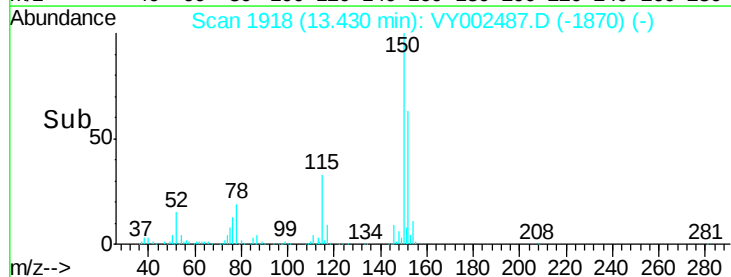
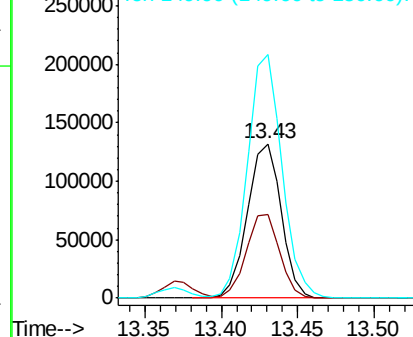
152 100

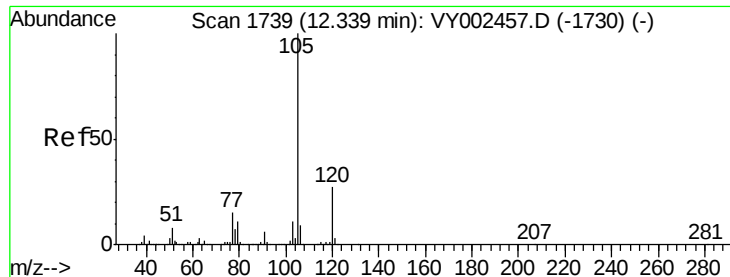
115 53.8 27.3 81.8

150 162.2 0.0 346.8



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





#73

Isopropylbenzene

Concen: 15.330 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

Instrument :

MSVOA_Y

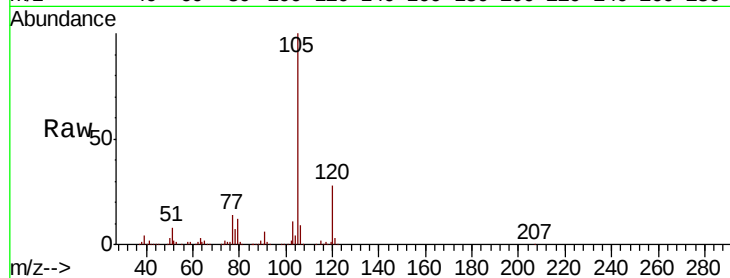
ClientSampleId :

Tot Ion:105 Resp: 207863

Ion Ratio Lower Upper

105 100

120 27.7 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

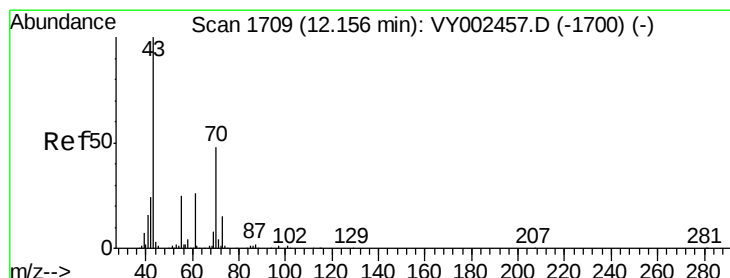
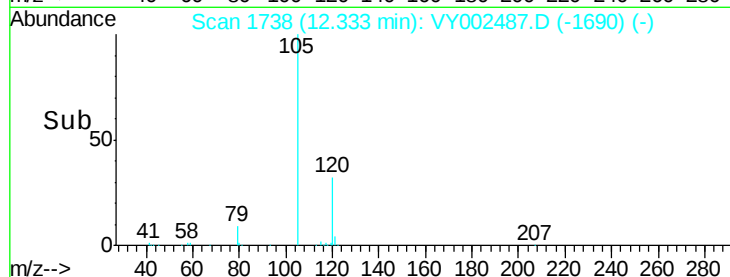
150000

100000

50000

0

Time--> 12.25 12.30 12.35 12.40



#74

N-ethyl acetate

Concen: 15.564 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.01 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

Tgt Ion: 43 Resp: 50007

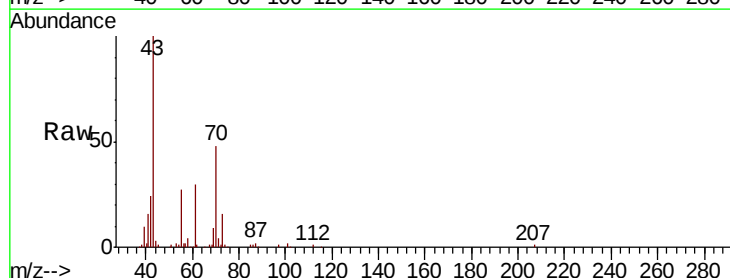
Ion Ratio Lower Upper

43 100

70 48.1 37.2 55.8

55 25.8 19.6 29.4

61 27.4 20.7 31.1



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

50000

40000

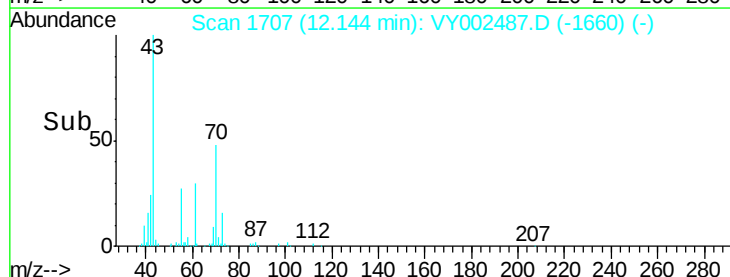
30000

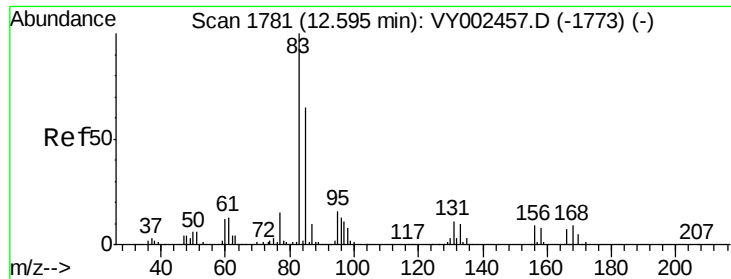
20000

10000

0

Time--> 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 15.490 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

Instrument :

MSVOA_Y

ClientSampleId :

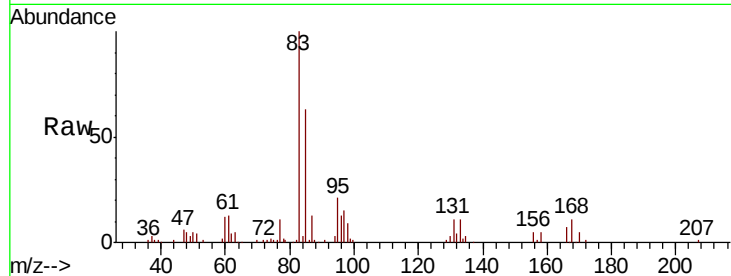
Tot Ion: 83 Resp: 32257

Ion Ratio Lower Upper

83 100

131 12.8 6.2 18.6

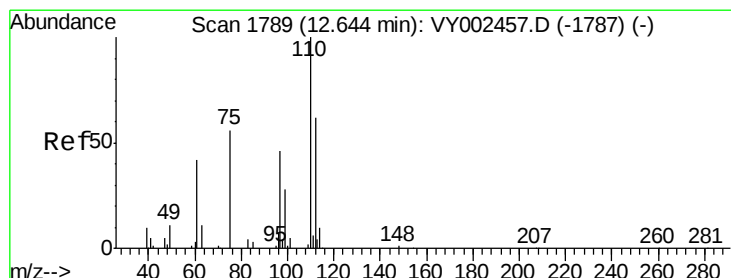
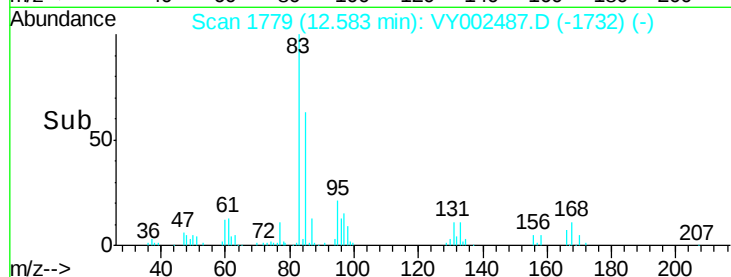
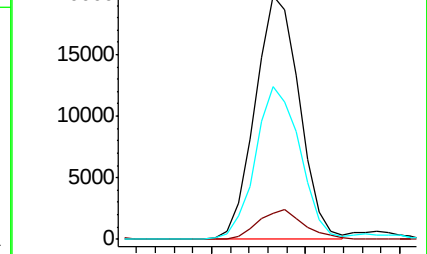
85 63.4 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 34.916 ug/l

RT: 12.64 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VY002487.D

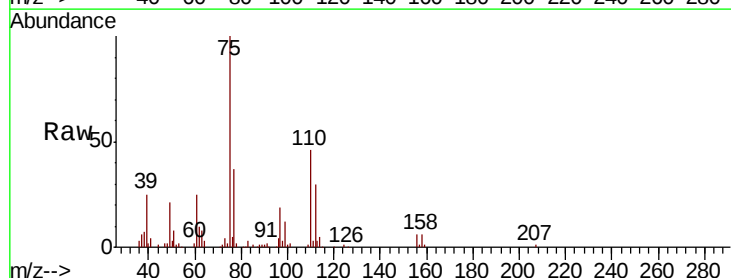
Acq: 28 Apr 2020 12:30

Tgt Ion: 75 Resp: 60020

Ion Ratio Lower Upper

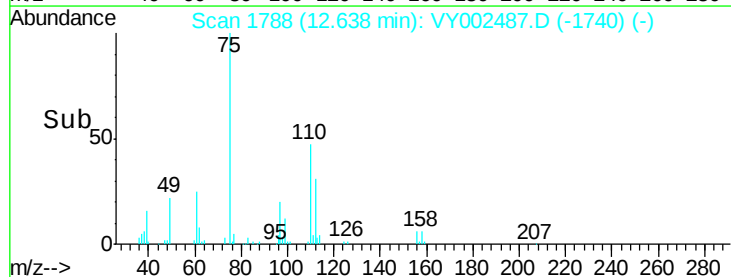
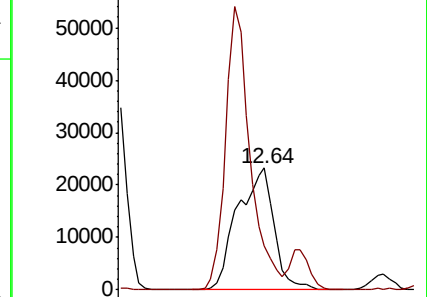
75 100

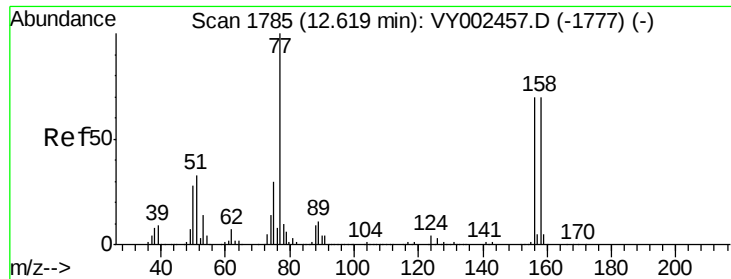
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 17.978 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

Instrument :

MSVOA_Y

ClientSampleId :

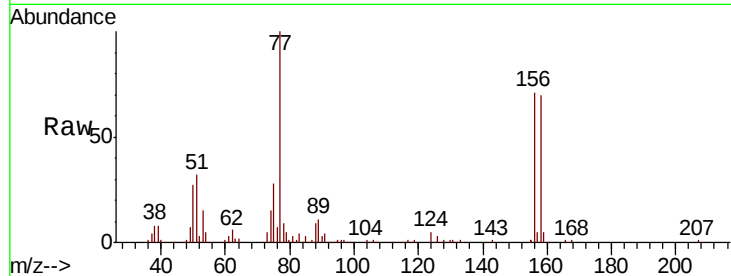
Tot Ion:156 Resp: 61136

Ion Ratio Lower Upper

156 100

77 155.1 78.5 235.7

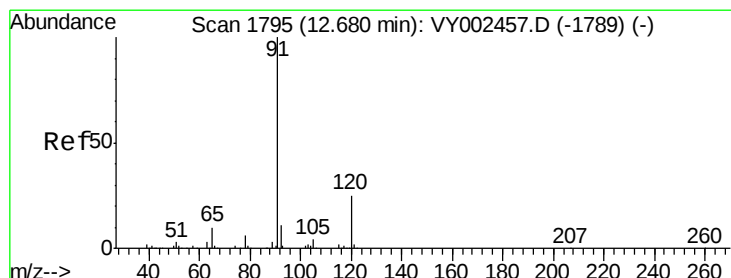
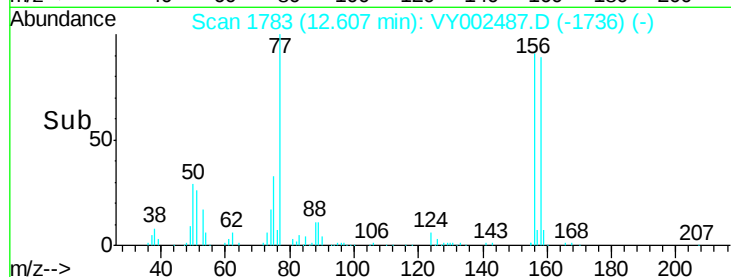
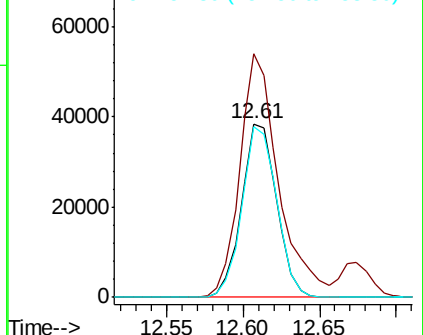
158 97.7 48.4 145.3



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: 18.370 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VY002487.D

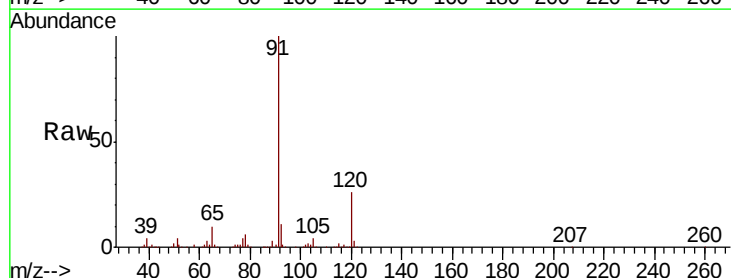
Acq: 28 Apr 2020 12:30

Tgt Ion: 91 Resp: 289197

Ion Ratio Lower Upper

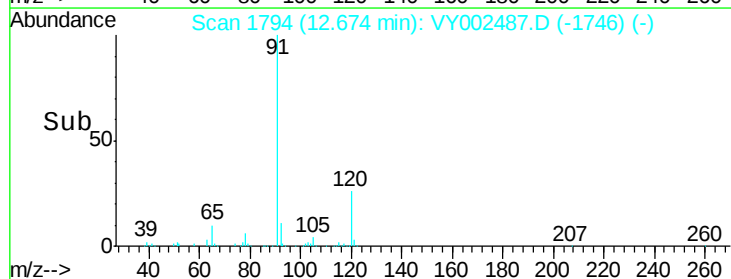
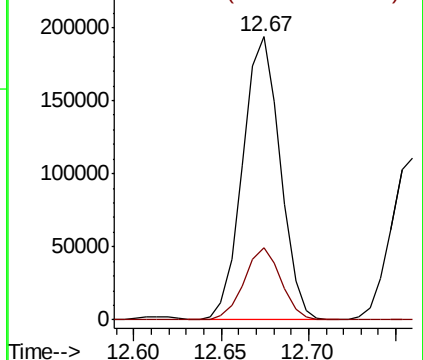
91 100

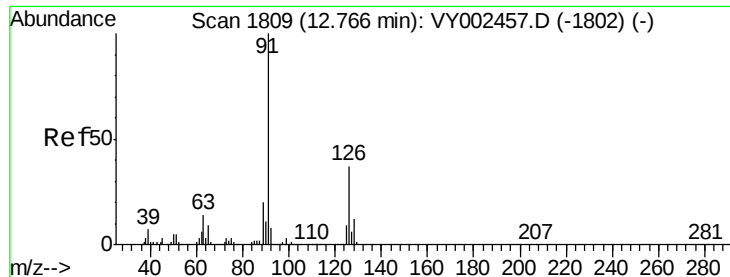
120 25.0 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.956 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.01 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

Instrument :

MSVOA_Y

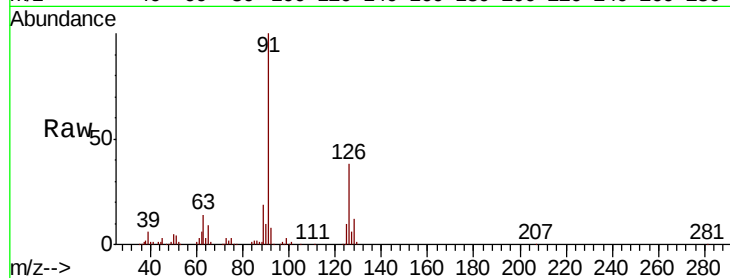
ClientSampleId :

Tot Ion: 91 Resp: 171916

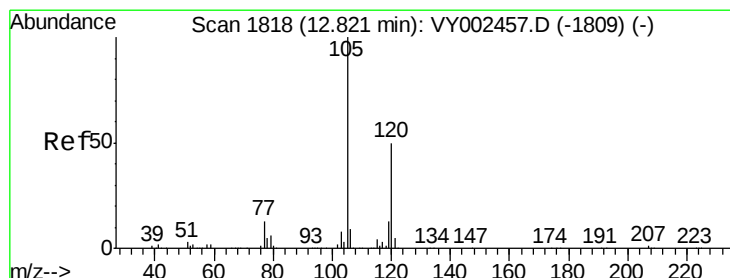
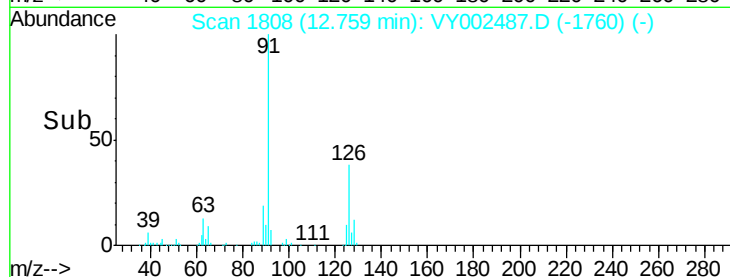
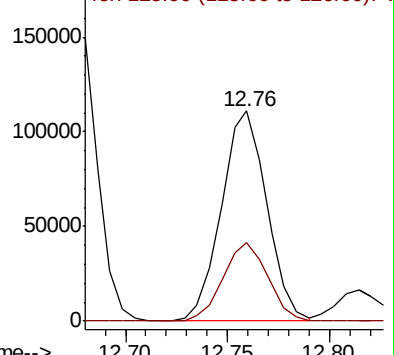
Ion Ratio Lower Upper

91 100

126 37.1 18.5 55.5



Abundance Ion 91.00 (90.70 to 91.70): VY002457.D (-1802) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.859 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY002487.D

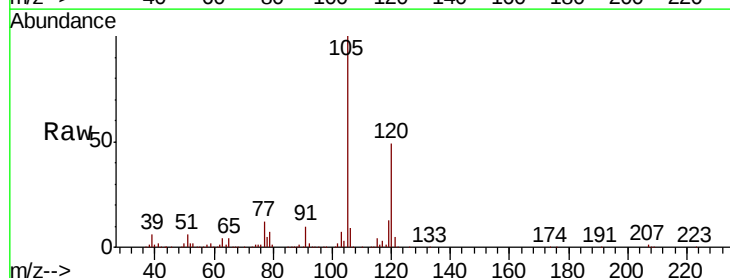
Acq: 28 Apr 2020 12:30

Tgt Ion:105 Resp: 228537

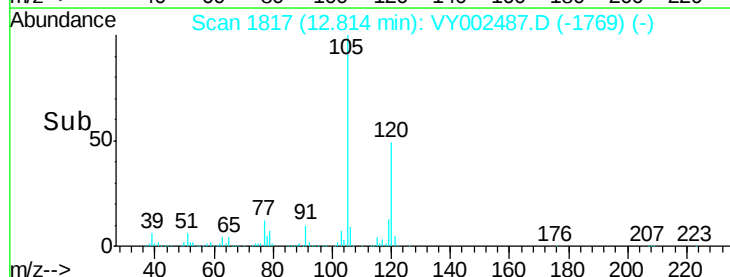
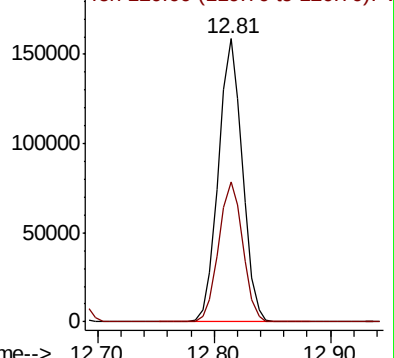
Ion Ratio Lower Upper

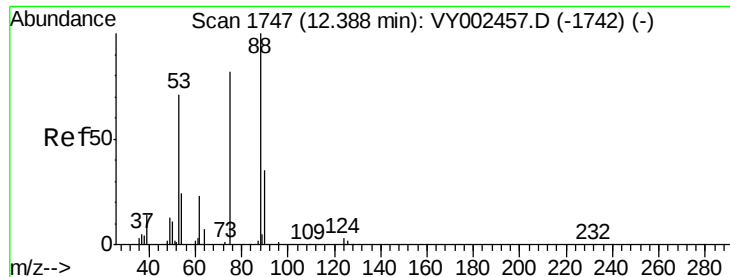
105 100

120 49.9 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VY002457.D (-1809) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.094 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

Instrument :

MSVOA_Y

ClientSampleId :

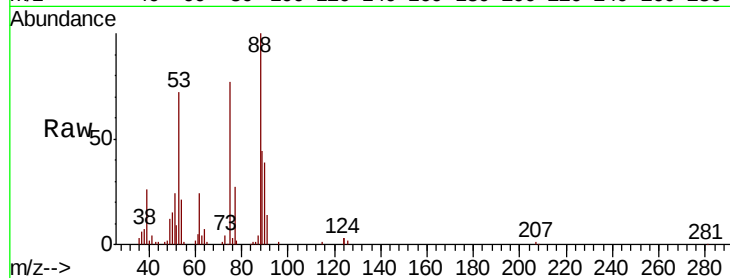
Tot Ion: 75 Resp: 14950

Ion Ratio Lower Upper

75 100

53 94.9 70.0 105.0

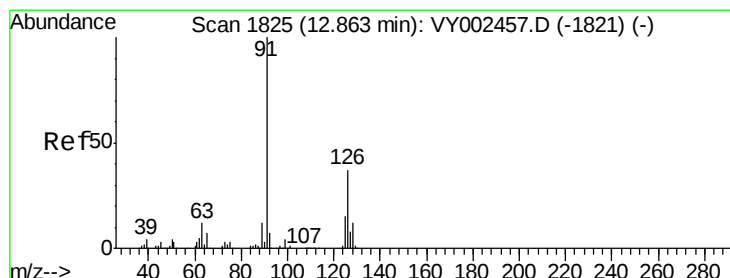
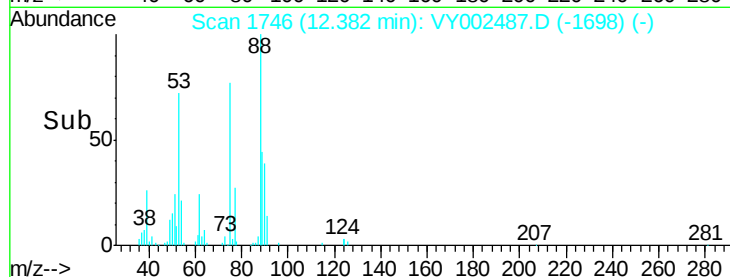
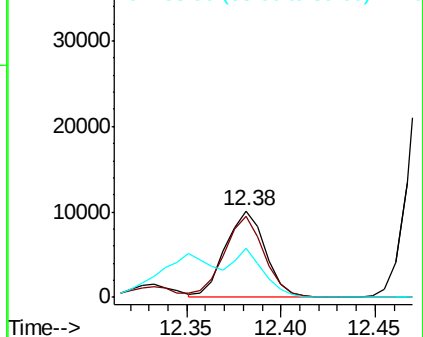
89 42.8 34.9 52.3



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 20.603 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VY002487.D

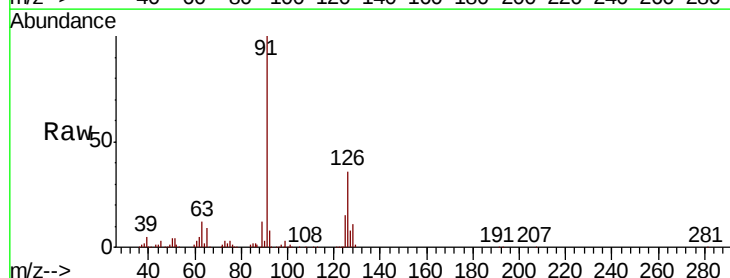
Acq: 28 Apr 2020 12:30

Tgt Ion: 91 Resp: 183440

Ion Ratio Lower Upper

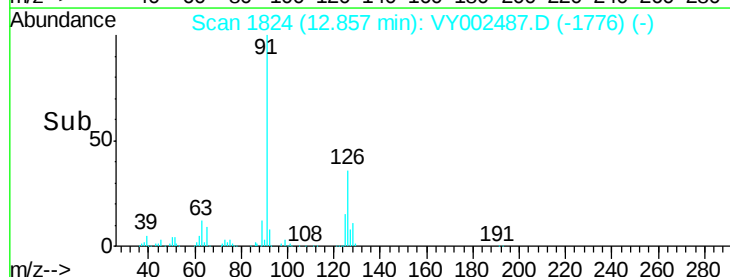
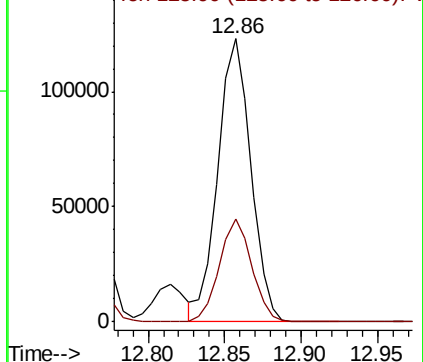
91 100

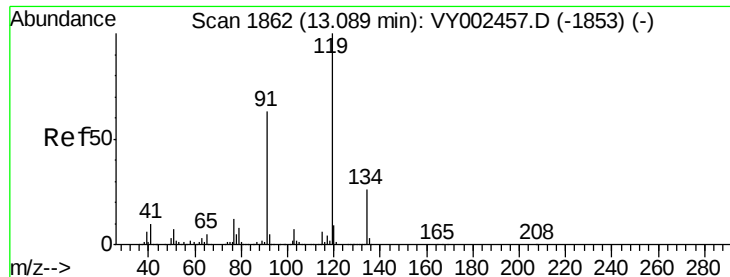
126 36.0 18.5 55.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

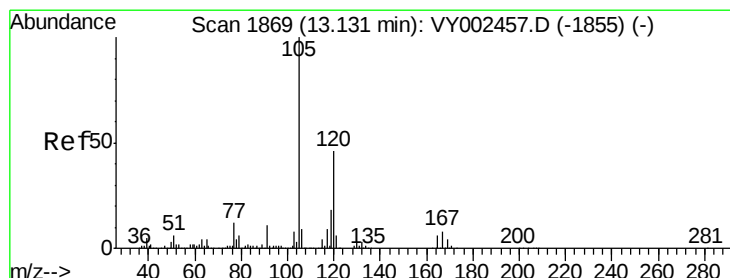
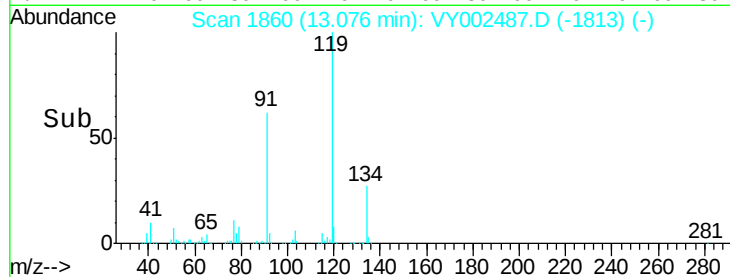
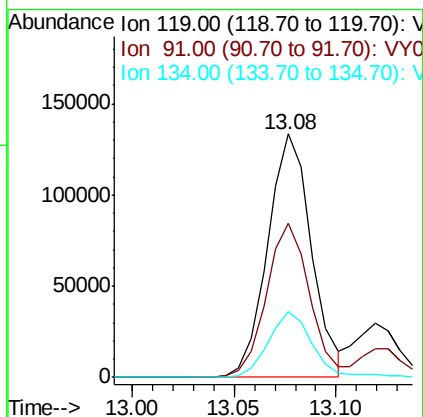
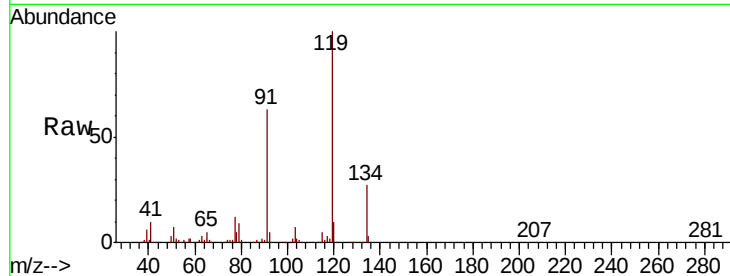




#83
tert-Butylbenzene
Concen: 19.936 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VY002487.D
Acq: 28 Apr 2020 12:30

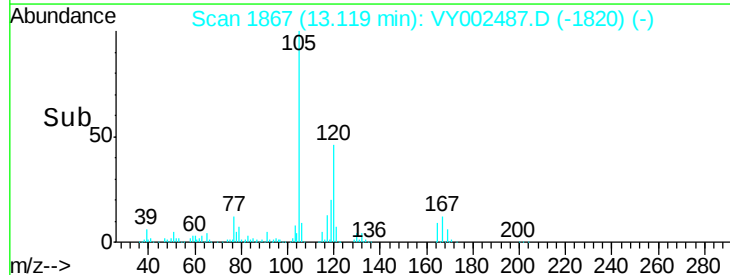
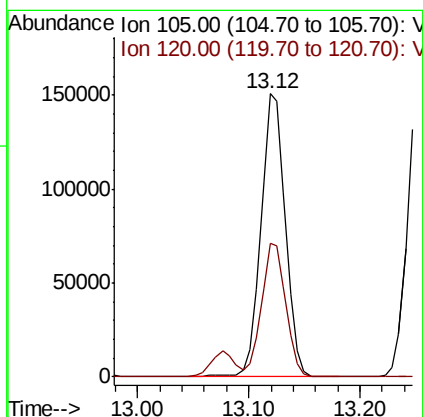
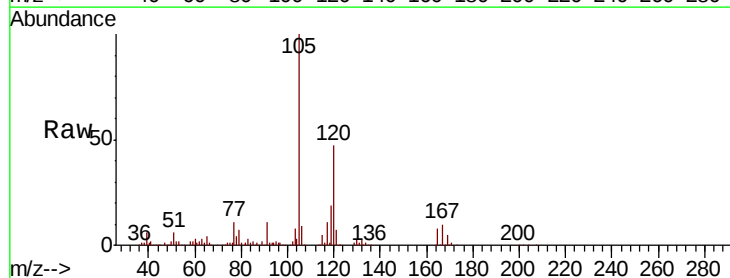
Instrument :
MSVOA_Y
ClientSampleId :

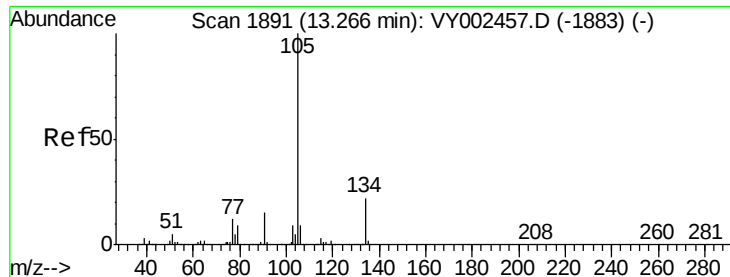
Tot Ion	Ratio	Lower	Upper
119	100		
91	62.1	30.8	92.3
134	27.4	13.2	39.6



#84
1,2,4-Trimethylbenzene
Concen: 20.889 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.01 min
Lab File: VY002487.D
Acq: 28 Apr 2020 12:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.1	69.2





#85

sec-Butylbenzene

Concen: 20.416 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.01 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

Instrument :

MSVOA_Y

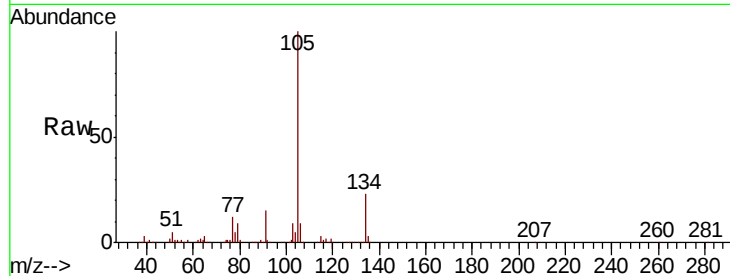
ClientSampleId :

Tot Ion:105 Resp: 273188

Ion Ratio Lower Upper

105 100

134 22.3 10.8 32.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

200000

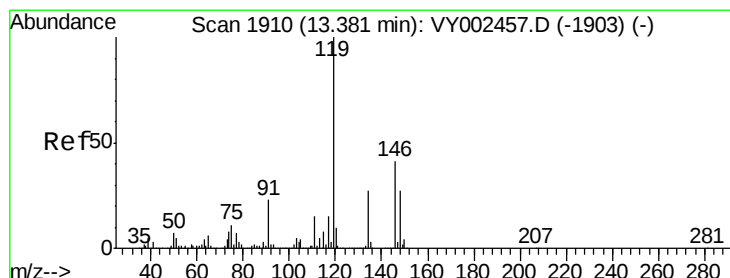
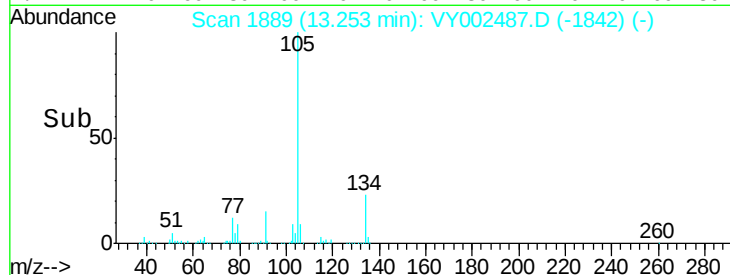
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.585 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.01 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

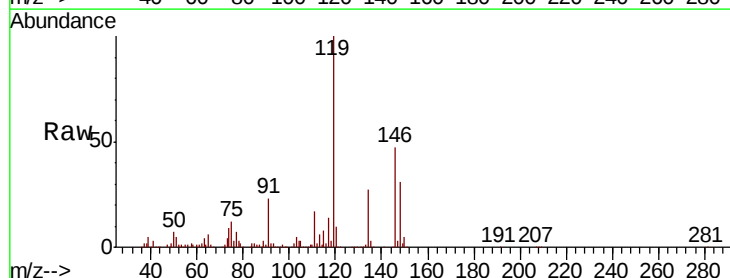
Tgt Ion:119 Resp: 262685

Ion Ratio Lower Upper

119 100

134 27.4 13.5 40.5

91 22.4 11.5 34.4



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

13.37

200000

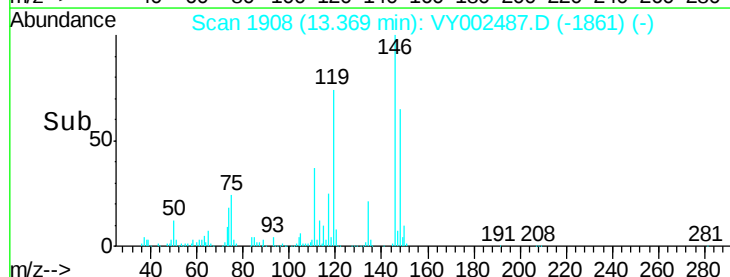
150000

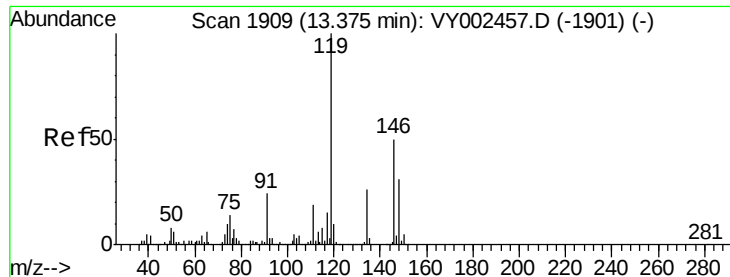
100000

50000

0

Time-->

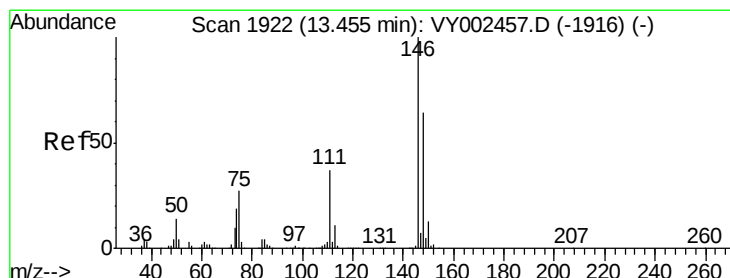
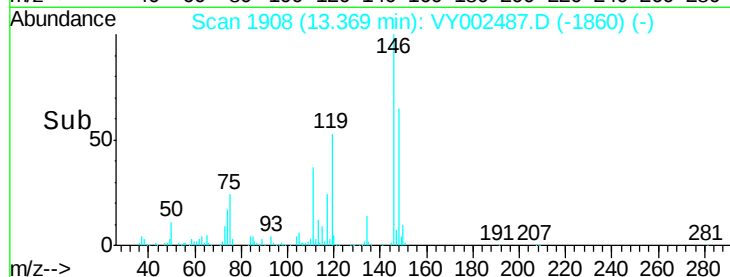
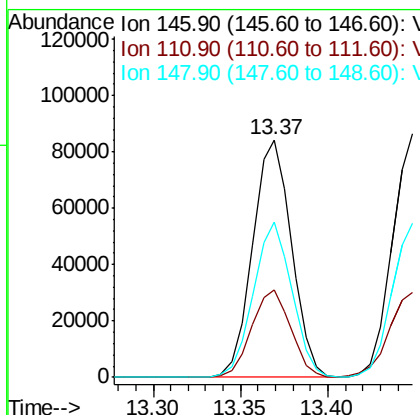
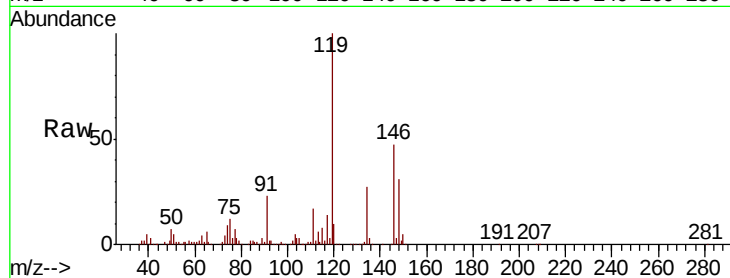




#87
 1,3-Dichlorobenzene
 Concen: 20.724 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY002487.D
 Acq: 28 Apr 2020 12:30

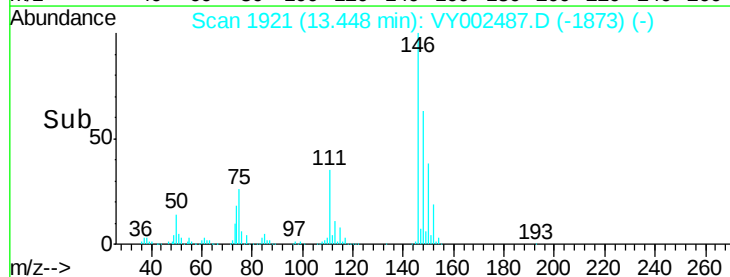
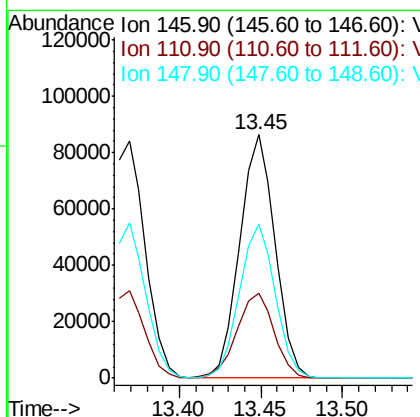
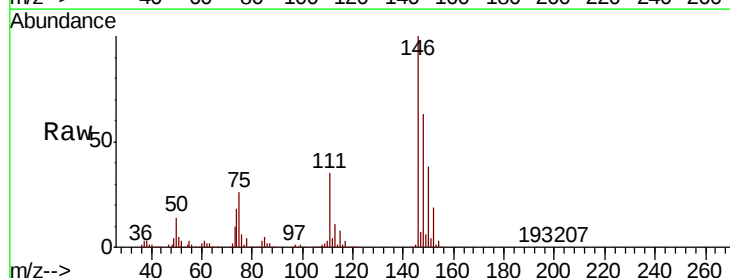
Instrument :
 MSVOA_Y
 ClientSampled :

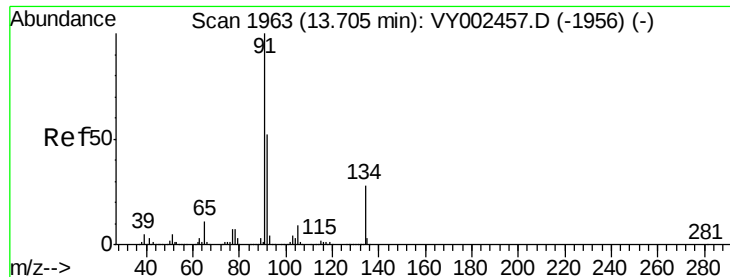
Tot Ion:146 Resp: 130348
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.8 56.3
 148 64.6 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 20.835 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY002487.D
 Acq: 28 Apr 2020 12:30

Tgt Ion:146 Resp: 130305
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.1 54.1
 148 64.1 32.1 96.5





#89

n-Butylbenzene

Concen: 20.074 ug/l

RT: 13.70 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

Instrument :

MSVOA_Y

ClientSampleId :

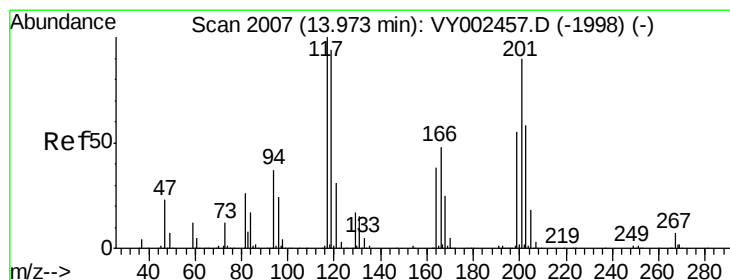
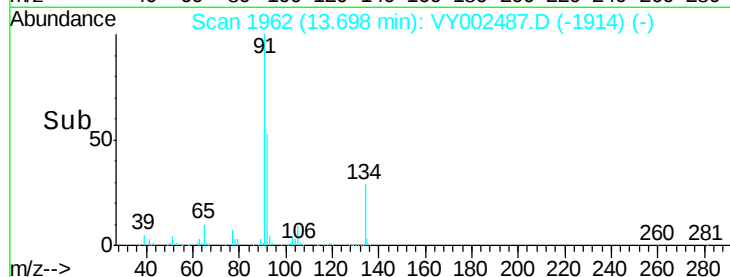
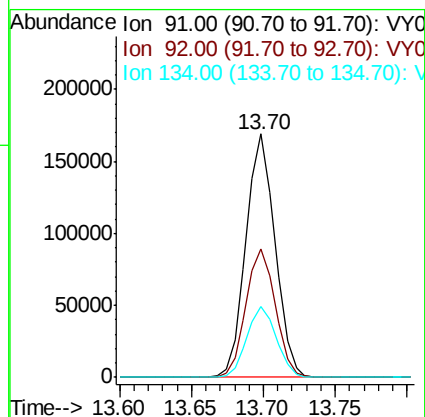
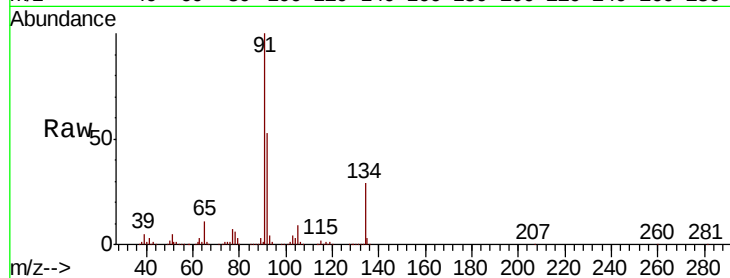
Tot Ion: 91 Resp: 236312

Ion Ratio Lower Upper

91 100

92 53.5 26.5 79.4

134 29.5 14.3 42.9



#90

Hexachloroethane

Concen: 19.950 ug/l

RT: 13.96 min Scan# 2005

Delta R.T. -0.01 min

Lab File: VY002487.D

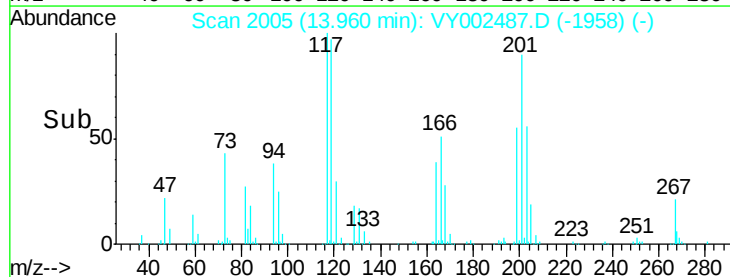
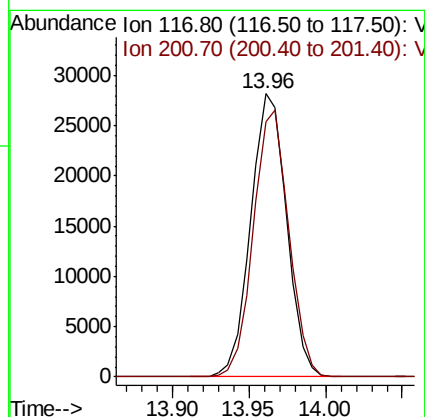
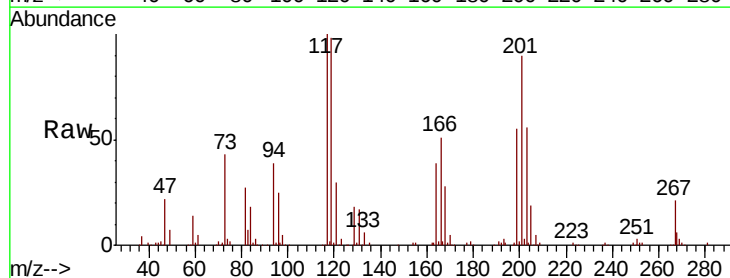
Acq: 28 Apr 2020 12:30

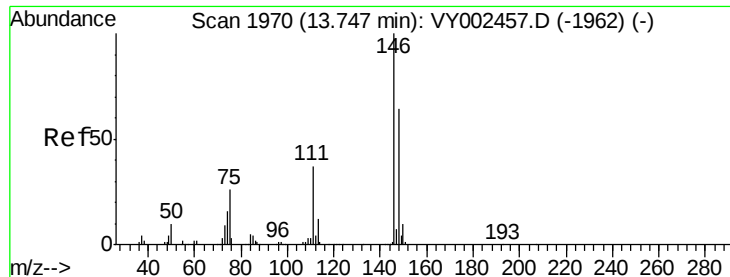
Tgt Ion: 117 Resp: 46016

Ion Ratio Lower Upper

117 100

201 92.9 44.4 133.1

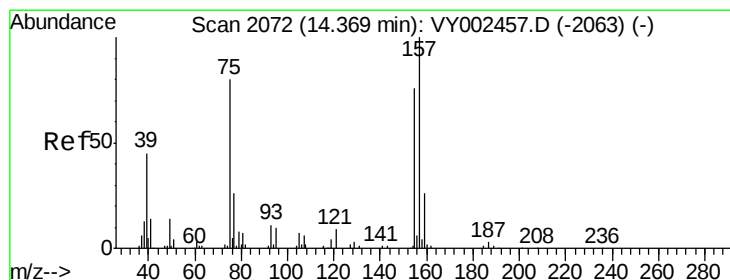
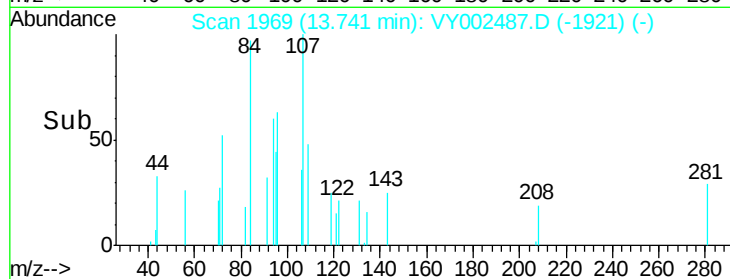
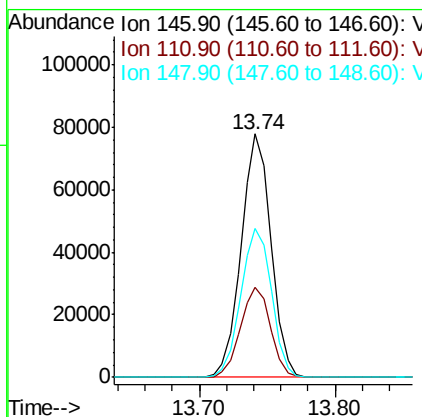
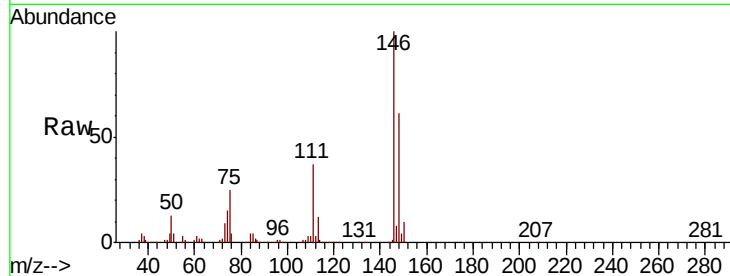




#91
 1,2-Dichlorobenzene
 Concen: 21.983 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VY002487.D
 Acq: 28 Apr 2020 12:30

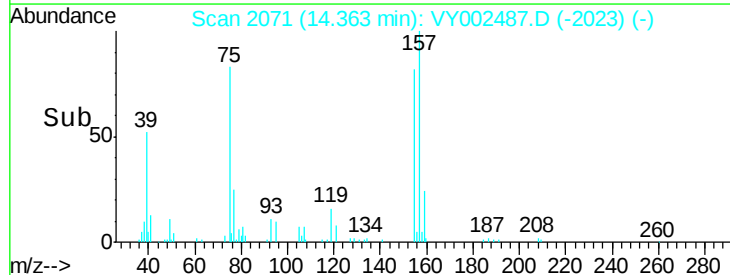
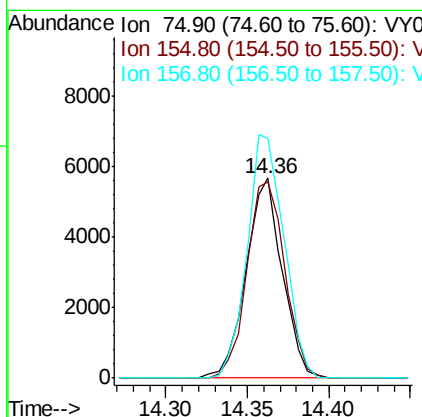
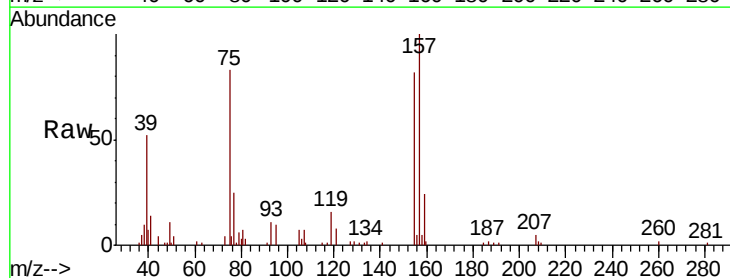
Instrument :
 MSVOA_Y
 ClientSampleId :

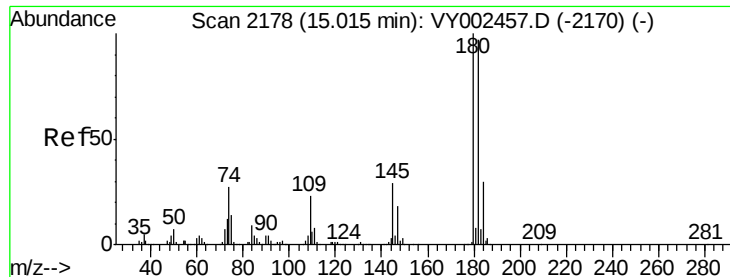
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.9	56.9
148	63.0	31.6	94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.215 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY002487.D
 Acq: 28 Apr 2020 12:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.0	49.6	149.0
157	124.4	62.6	187.9

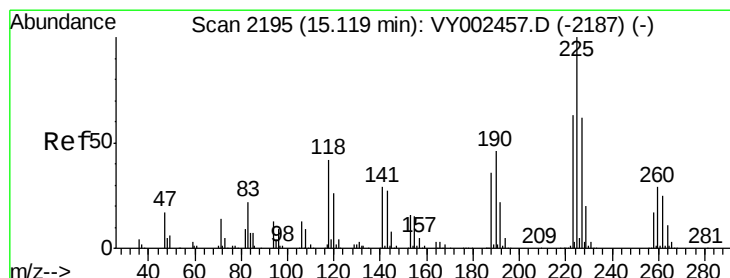
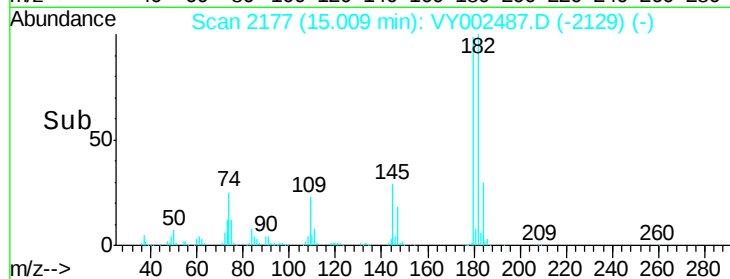
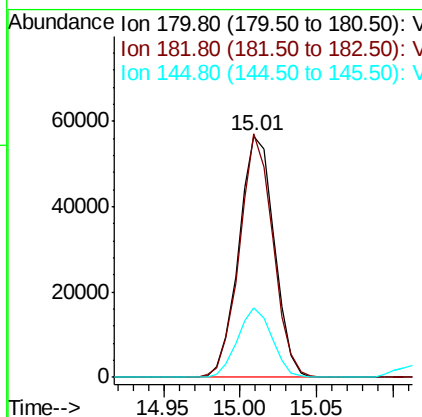
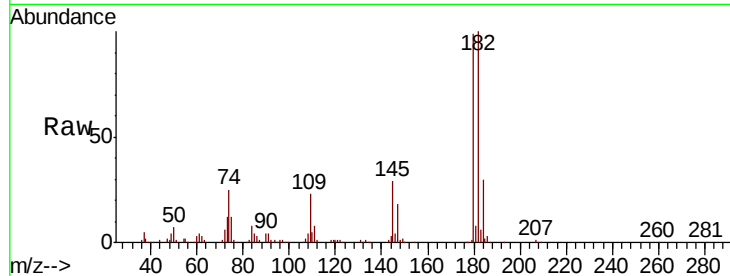




#93
 1,2,4-Trichlorobenzene
 Concen: 21.217 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: VY002487.D
 Acq: 28 Apr 2020 12:30

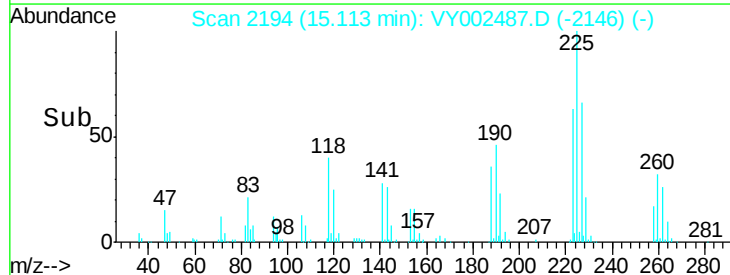
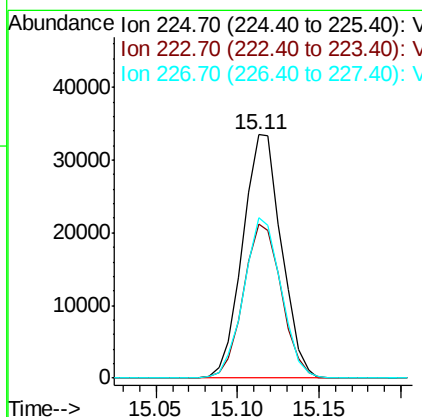
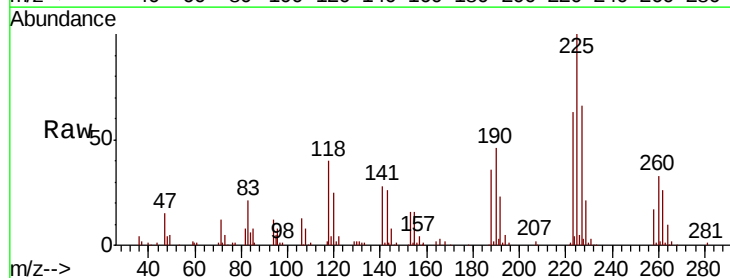
Instrument :
 MSVOA_Y
 ClientSampleId :

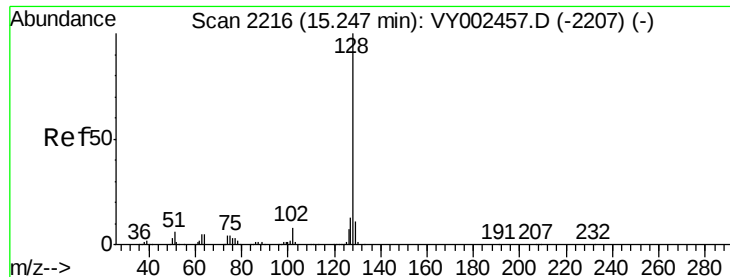
Tot Ion	180	182	145
Resp:	90702		
Ion Ratio	100	95.4	28.2
Lower		47.9	14.2
Upper		143.7	42.6



#94
 Hexachlorobutadiene
 Concen: 21.465 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.01 min
 Lab File: VY002487.D
 Acq: 28 Apr 2020 12:30

Tgt Ion	225	223	227
Resp:	55381		
Ion Ratio	100	62.1	63.8
Lower		31.1	31.5
Upper		93.3	94.5





#95

Naphthalene

Concen: 21.083 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

Instrument :

MSVOA_Y

ClientSampleId :

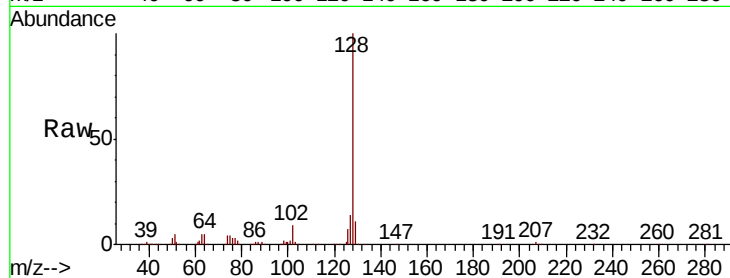
Tot Ion:128 Resp: 167155

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

129 10.5 8.8 13.2

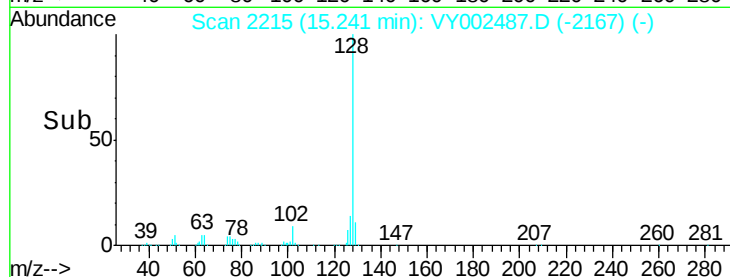


Abundance Ion 128.00 (127.70 to 128.70): V

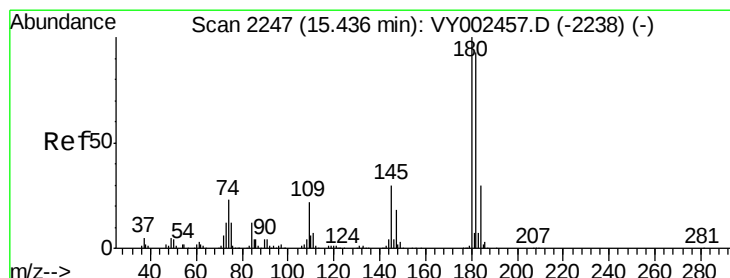
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.24



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 20.501 ug/l

RT: 15.43 min Scan# 2246

Delta R.T. -0.01 min

Lab File: VY002487.D

Acq: 28 Apr 2020 12:30

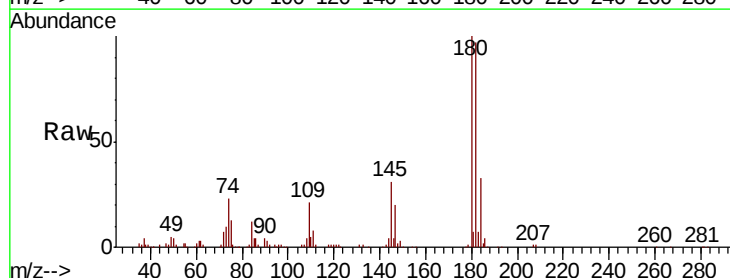
Tgt Ion:180 Resp: 74340

Ion Ratio Lower Upper

180 100

182 96.2 47.5 142.6

145 31.1 15.3 45.9

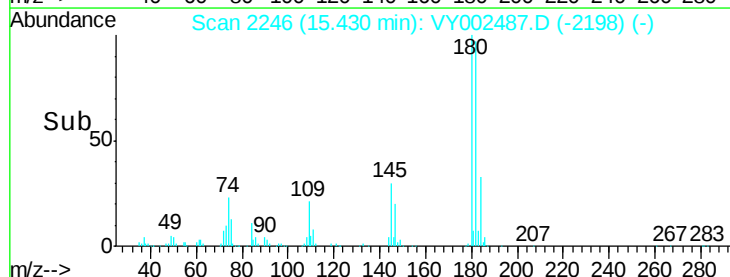


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

15.43



Time-->