

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051920\
 Data File : VY002715.D
 Acq On : 19 May 2020 11:34
 Operator : SY/MD
 Sample : VY0519SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBS01

Quant Time: May 20 08:28:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 16 04:52:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	371828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	549540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	498225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	256874	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	142151	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
35) Dibromofluoromethane	7.72	113	155763	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
50) Toluene-d8	10.18	98	630616	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
62) 4-Bromofluorobenzene	12.48	95	208684	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	51295	19.252	ug/l 98
3) Chloromethane	2.12	50	59174	19.392	ug/l 98
4) Vinyl Chloride	2.26	62	61432	19.320	ug/l 99
5) Bromomethane	2.65	94	45807	19.437	ug/l 99
6) Chloroethane	2.79	64	39593	19.472	ug/l 100
7) Trichlorofluoromethane	3.13	101	104472	19.496	ug/l 100
8) Diethyl Ether	3.54	74	33979	18.640	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	63670	19.601	ug/l 99
10) Methyl Iodide	4.10	142	86121	19.262	ug/l 100
11) Tert butyl alcohol	4.96	59	25826	87.435	ug/l 100
12) 1,1-Dichloroethene	3.88	96	63962	19.611	ug/l 94
13) Acrolein	3.74	56	29983	86.545	ug/l 98
14) Allyl chloride	4.49	41	92090	19.668	ug/l 98
15) Acrylonitrile	5.17	53	73722	89.318	ug/l 100
16) Acetone	3.96	43	50495	84.219	ug/l 92
17) Carbon Disulfide	4.20	76	196692	19.226	ug/l 99
18) Methyl Acetate	4.49	43	30898	18.074	ug/l 99
19) Methyl tert-butyl Ether	5.23	73	148503	18.357	ug/l 100
20) Methylene Chloride	4.72	84	67725	18.687	ug/l 99
21) trans-1,2-Dichloroethene	5.23	96	71036	19.587	ug/l 99
22) Diisopropyl ether	6.13	45	182785	19.676	ug/l 97
23) Vinyl Acetate	6.07	43	551842	92.772	ug/l 99
24) 1,1-Dichloroethane	6.03	63	108483	19.543	ug/l 99
25) 2-Butanone	6.99	43	86065	86.758	ug/l 98
26) 2,2-Dichloropropane	6.99	77	99364	19.238	ug/l 99
27) cis-1,2-Dichloroethene	6.99	96	76148	19.432	ug/l 98
28) Bromochloromethane	7.34	49	45523	20.731	ug/l 99
29) Tetrahydrofuran	7.35	42	59412	88.023	ug/l 98
30) Chloroform	7.52	83	111441	19.343	ug/l 98
31) Cyclohexane	7.79	56	109289	19.412	ug/l 93
32) 1,1,1-Trichloroethane	7.71	97	103619	19.465	ug/l 100
36) 1,1-Dichloropropene	7.93	75	90611	19.477	ug/l 100
37) Ethyl Acetate	7.08	43	40024	17.492	ug/l 100
38) Carbon Tetrachloride	7.91	117	98015	19.603	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	120731	19.301	ug/l	98
40) Benzene	8.17	78	264712	19.501	ug/l	100
41) Methacrylonitrile	7.33	41	23314m	16.959	ug/l	
42) 1,2-Dichloroethane	8.24	62	66777	18.652	ug/l	97
43) Isopropyl Acetate	8.28	43	76062	17.887	ug/l	99
44) Trichloroethene	8.94	130	84800	19.599	ug/l	99
45) 1,2-Dichloropropane	9.22	63	62074	19.268	ug/l	99
46) Dibromomethane	9.31	93	33884	18.721	ug/l	99
47) Bromodichloromethane	9.50	83	84432	19.114	ug/l	99
48) Methyl methacrylate	9.30	41	35013	17.883	ug/l	99
49) 1,4-Dioxane	9.30	88	9288	376.777	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	195263	88.939	ug/l	100
52) Toluene	10.24	92	170940	19.460	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	88486	18.768	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	106334	19.454	ug/l	100
55) 1,1,2-Trichloroethane	10.64	97	51224	19.010	ug/l	99
56) Ethyl methacrylate	10.51	69	65279	18.197	ug/l	97
57) 1,3-Dichloropropane	10.79	76	84657	18.748	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	160211	90.465	ug/l	100
59) 2-Hexanone	10.83	43	132976	86.936	ug/l	100
60) Dibromochloromethane	10.99	129	65241	18.952	ug/l	100
61) 1,2-Dibromoethane	11.09	107	49901	18.796	ug/l	98
64) Tetrachloroethene	10.72	164	95507	20.192	ug/l	98
65) Chlorobenzene	11.52	112	188246	19.553	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	69902	19.563	ug/l	99
67) Ethyl Benzene	11.59	91	335391	19.841	ug/l	98
68) m/p-Xylenes	11.70	106	260123	39.553	ug/l	99
69) o-Xylene	12.03	106	121988	19.763	ug/l	98
70) Styrene	12.04	104	206633	19.498	ug/l	100
71) Bromoform	12.20	173	40742	18.446	ug/l #	99
73) Isopropylbenzene	12.33	105	335263	19.974	ug/l	100
74) N-amyl acetate	12.14	43	72280	18.351	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	44109	17.846	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	37788m	17.908	ug/l	
77) Bromobenzene	12.61	156	81548	19.433	ug/l	99
78) n-propylbenzene	12.67	91	388116	19.877	ug/l	100
79) 2-Chlorotoluene	12.75	91	213128	19.680	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	276743	19.623	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	20939	18.767	ug/l #	77
82) 4-Chlorotoluene	12.85	91	222937	19.652	ug/l	99
83) tert-Butylbenzene	13.08	119	246286	19.732	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	276828	19.640	ug/l	99
85) sec-Butylbenzene	13.25	105	342319	19.875	ug/l	99
86) p-Isopropyltoluene	13.37	119	319190	19.799	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	157024	19.408	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	156006	19.367	ug/l	99
89) n-Butylbenzene	13.69	91	291627	19.698	ug/l	100
90) Hexachloroethane	13.96	117	58336	19.536	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	139273	19.194	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8366	17.650	ug/l	95

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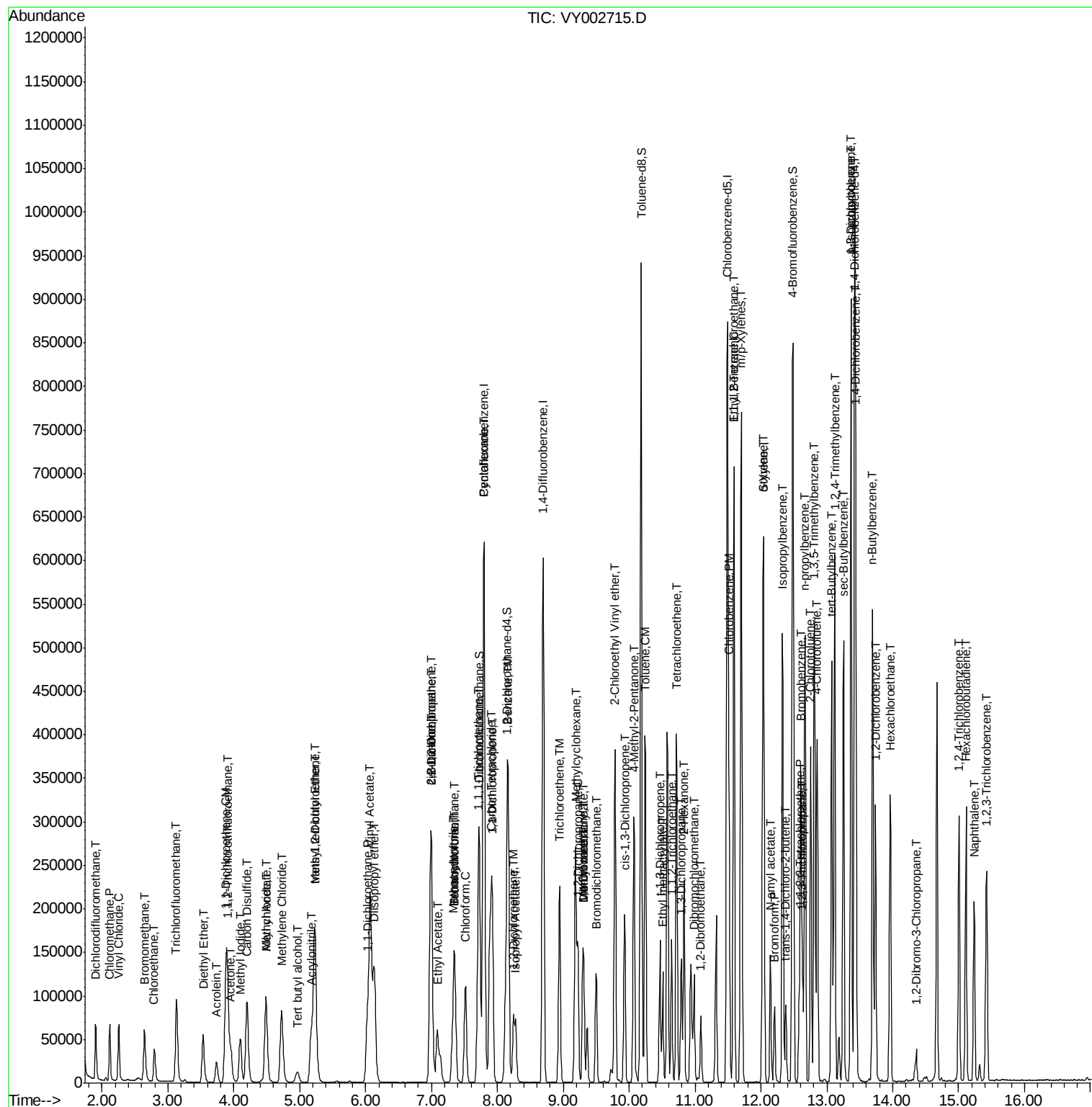
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	103174	17.664	ug/l	100
94) Hexachlorobutadiene	15.11	225	64943	18.491	ug/l	99
95) Naphthalene	15.23	128	172777	17.289	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	86597	17.231	ug/l	100

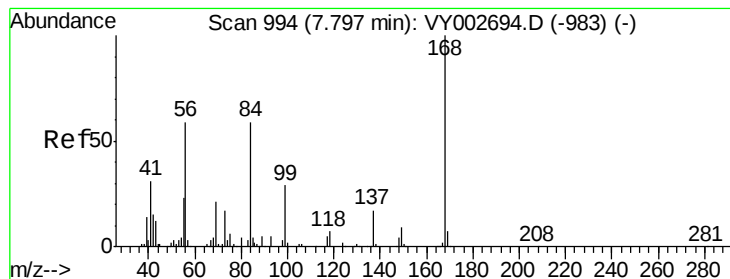
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY051920\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

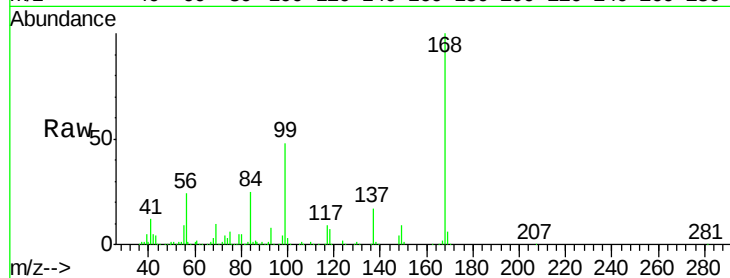
VY0519SBS01

Tot Ion:168 Resp: 371828

Ion Ratio Lower Upper

168 100

99 47.8 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002694.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002694.D (-983) (-)

7.80

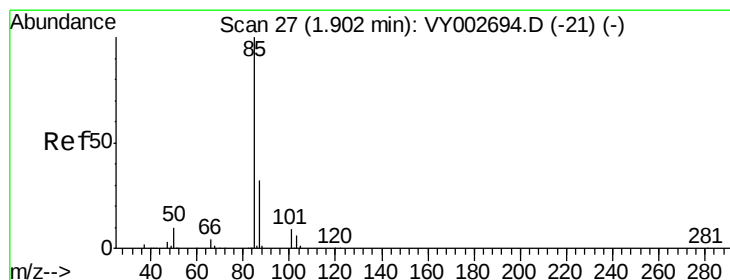
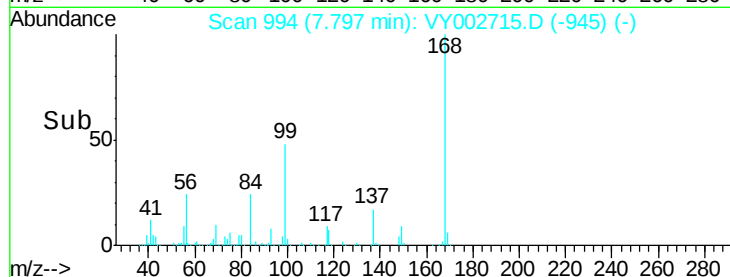
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.252 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY002715.D

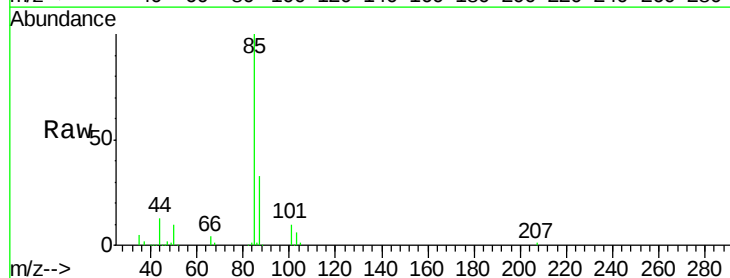
Acq: 19 May 2020 11:34

Tgt Ion: 85 Resp: 51295

Ion Ratio Lower Upper

85 100

87 32.9 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002694.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY002694.D (-21) (-)

1.90

40000

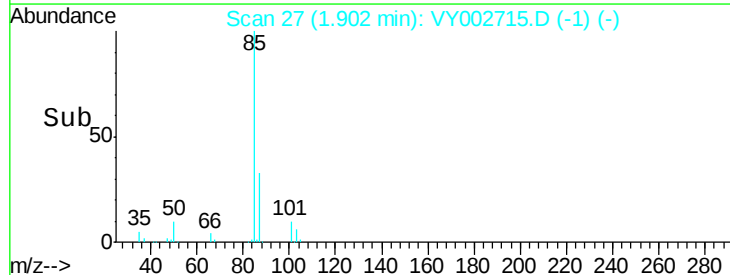
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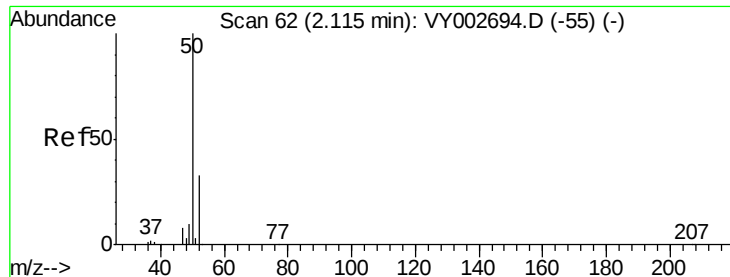
20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.392 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

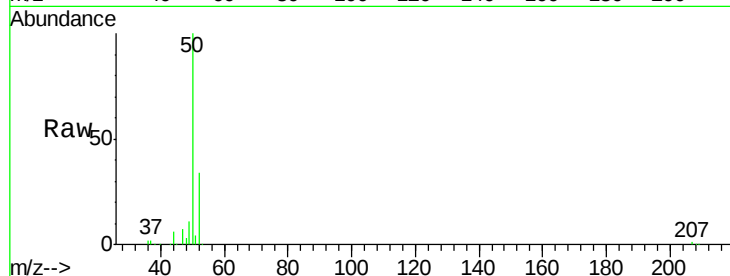
VY0519SBS01

Tot Ion: 50 Resp: 59174

Ion Ratio Lower Upper

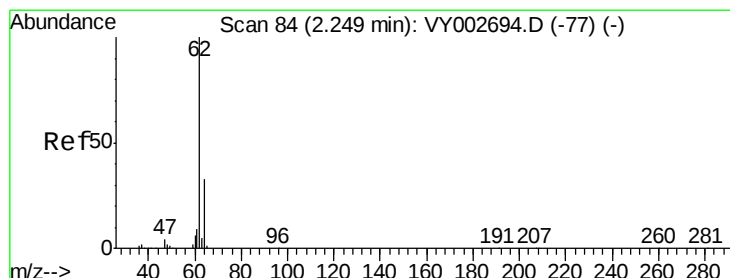
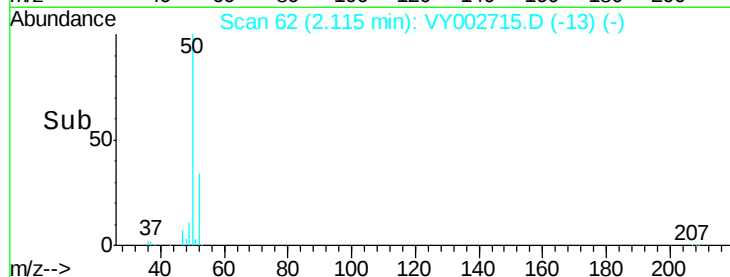
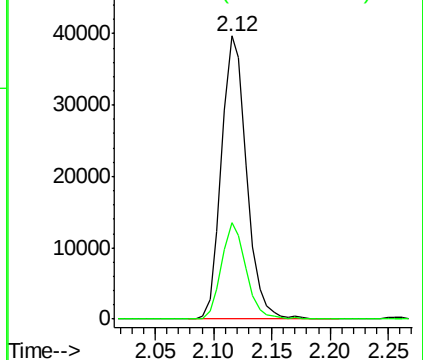
50 100

52 34.2 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 19.320 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY002715.D

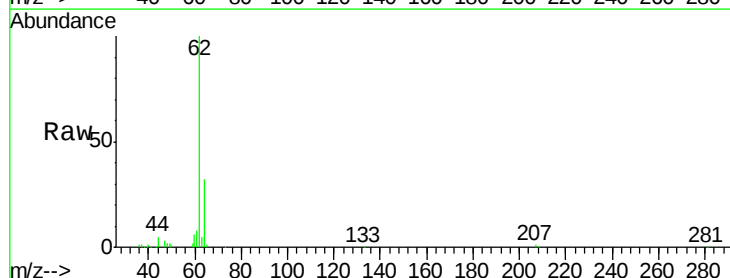
Acq: 19 May 2020 11:34

Tgt Ion: 62 Resp: 61432

Ion Ratio Lower Upper

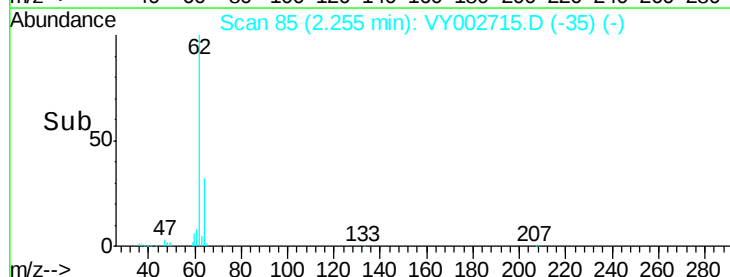
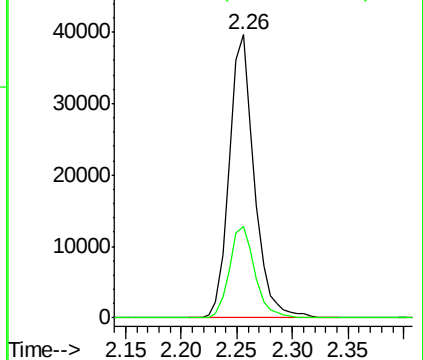
62 100

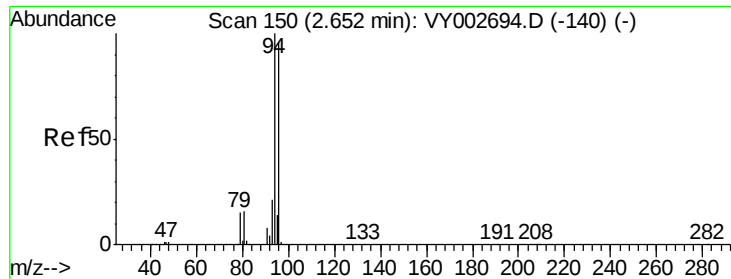
64 32.1 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 19.437 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

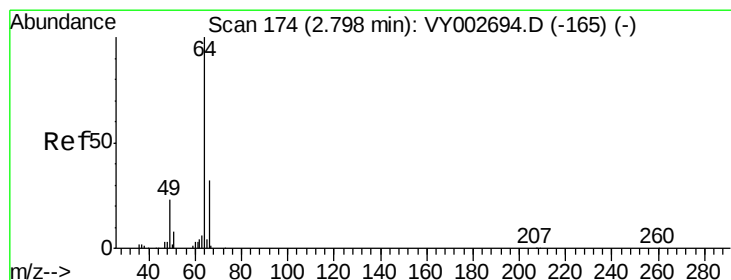
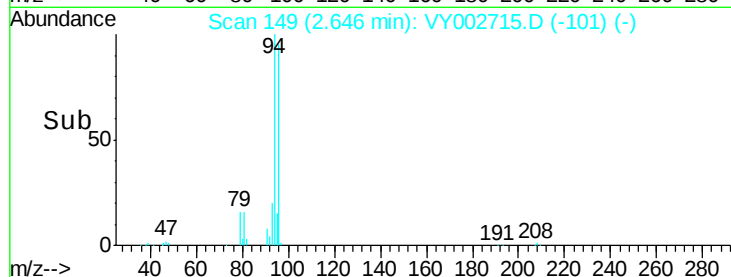
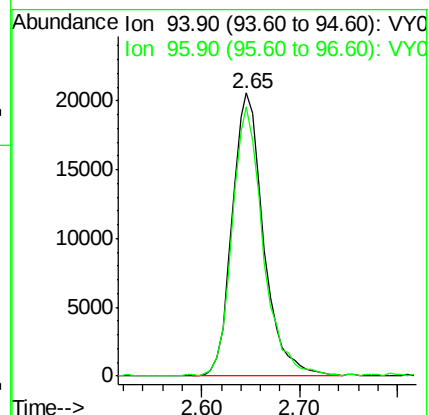
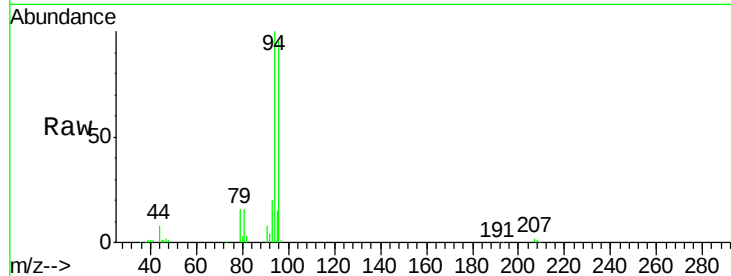
VY0519SBS01

Tot Ion: 94 Resp: 45807

Ion Ratio Lower Upper

94 100

96 94.7 76.8 115.2



#6

Chloroethane

Concen: 19.472 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY002715.D

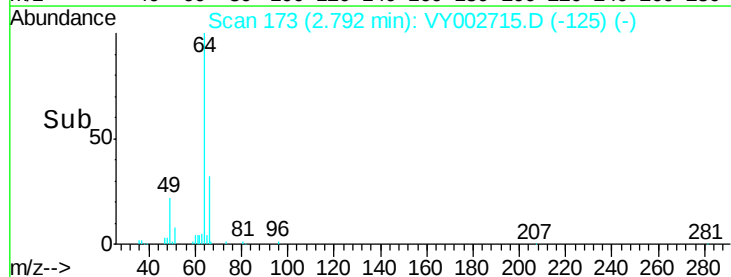
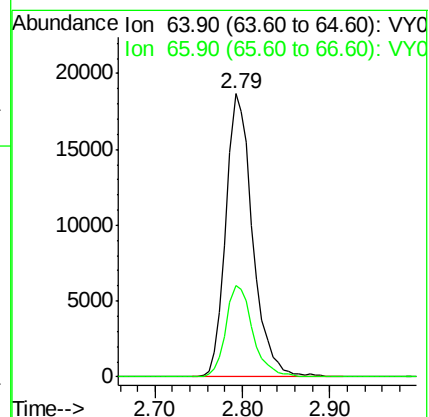
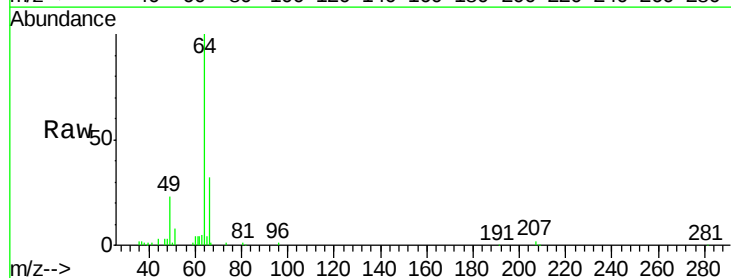
Acq: 19 May 2020 11:34

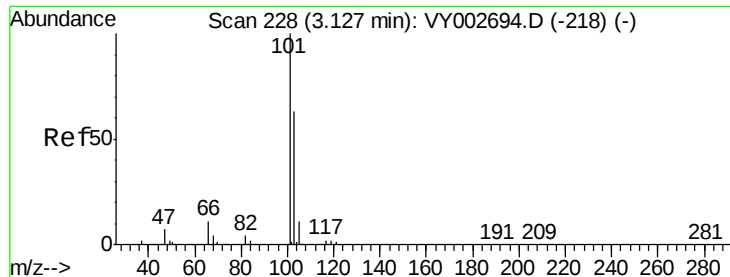
Tgt Ion: 64 Resp: 39593

Ion Ratio Lower Upper

64 100

66 32.5 25.9 38.9



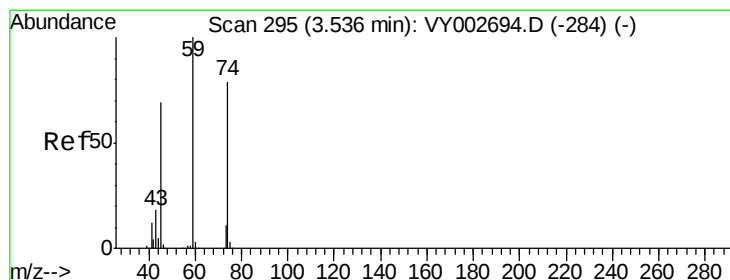
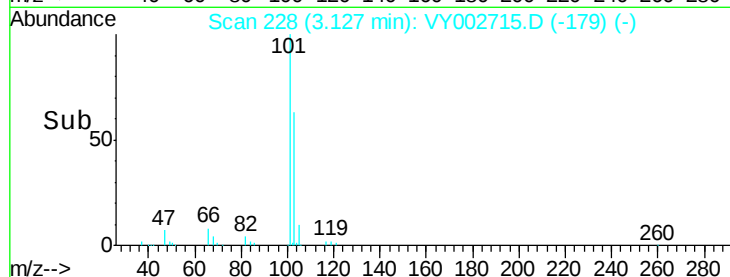
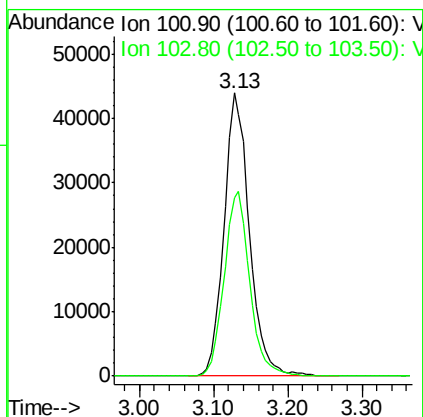
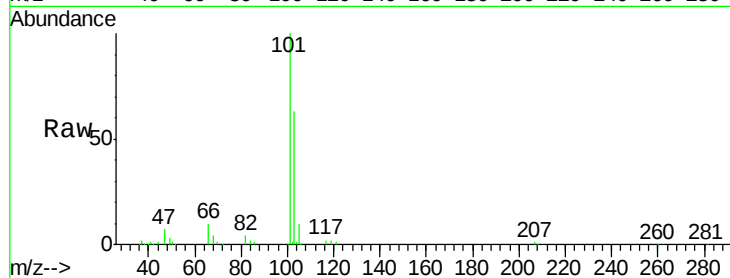


#7

Trichlorofluoromethane
 Concen: 19.496 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. 0.00 min
 Lab File: VY002715.D
 Acq: 19 May 2020 11:34

Instrument :
 MSVOA_Y
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 VY0519SBS01

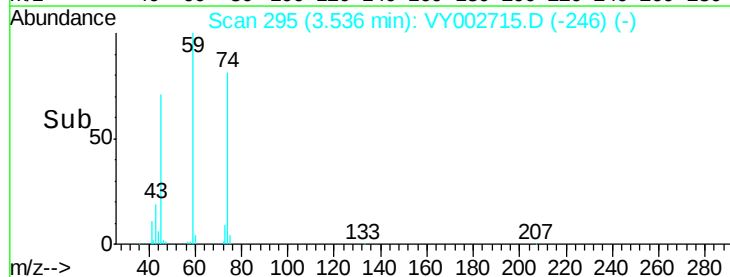
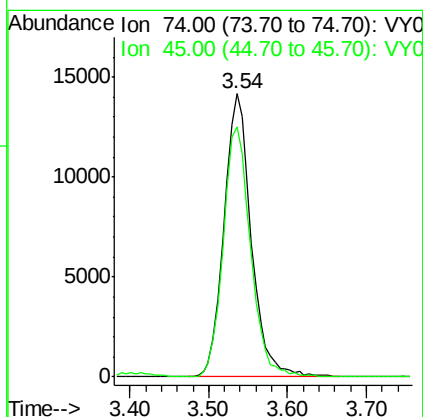
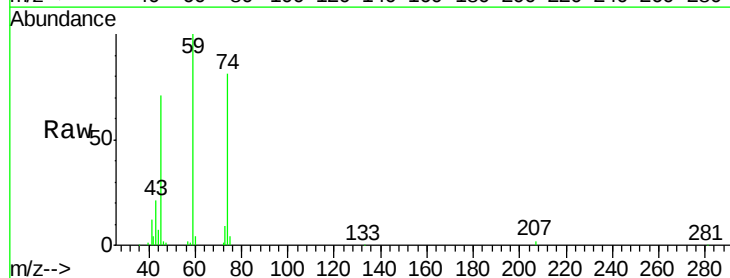
Tot Ion:101 Resp: 104472
 Ion Ratio Lower Upper
 101 100
 103 63.1 50.6 75.8

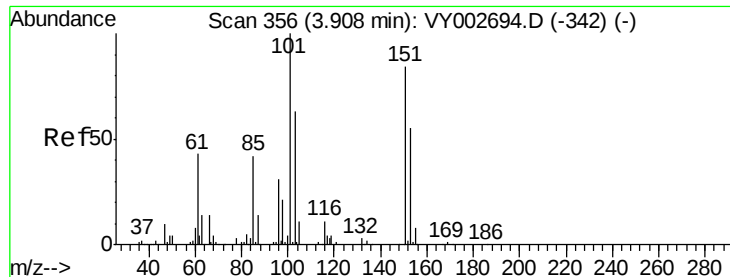


#8

Diethyl Ether
 Concen: 18.640 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. 0.00 min
 Lab File: VY002715.D
 Acq: 19 May 2020 11:34

Tgt Ion: 74 Resp: 33979
 Ion Ratio Lower Upper
 74 100
 45 89.0 43.8 131.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.601 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.00 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0519SBS01

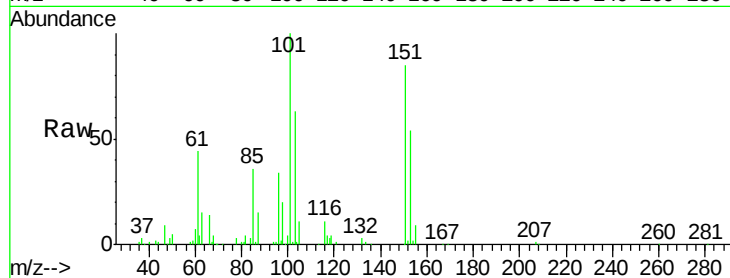
Tot Ion:101 Resp: 63670

Ion Ratio Lower Upper

101 100

85 41.1 33.5 50.3

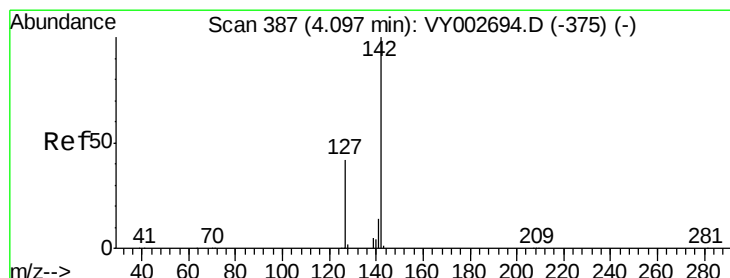
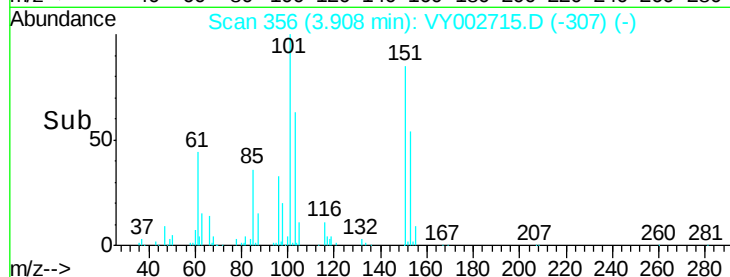
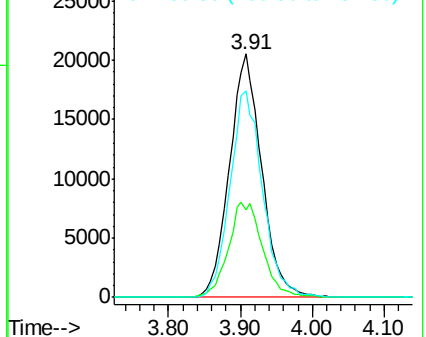
151 85.6 69.6 104.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.262 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

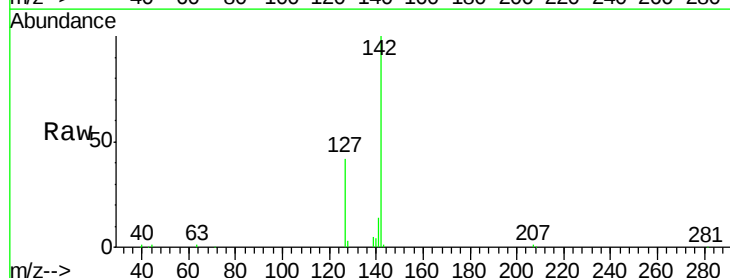
Tgt Ion:142 Resp: 86121

Ion Ratio Lower Upper

142 100

127 40.6 32.8 49.2

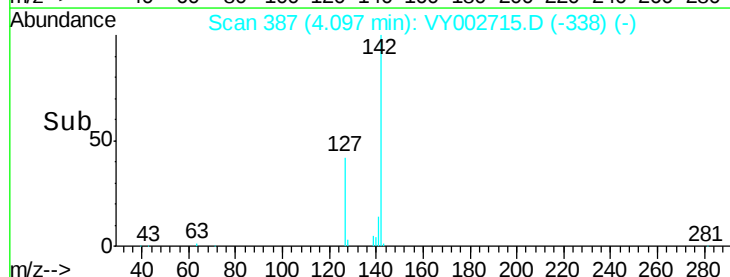
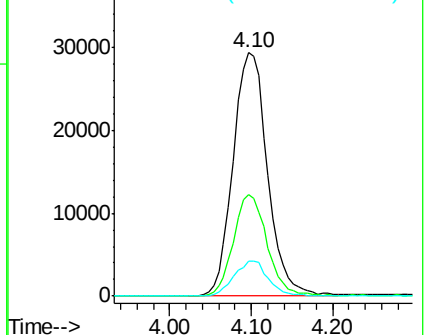
141 14.2 11.3 16.9

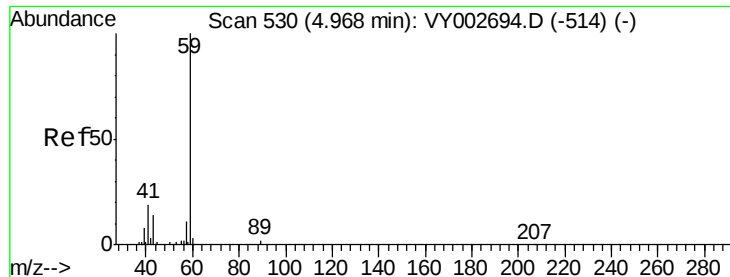


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



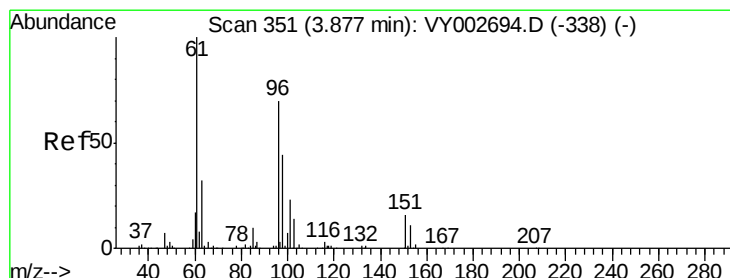
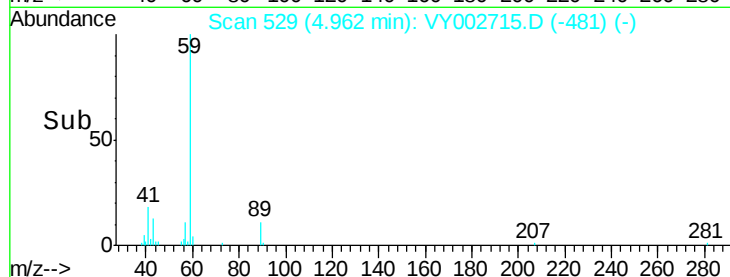
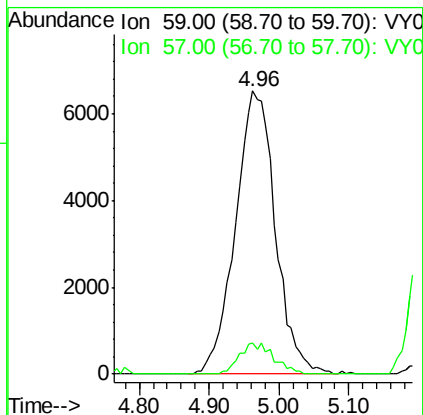
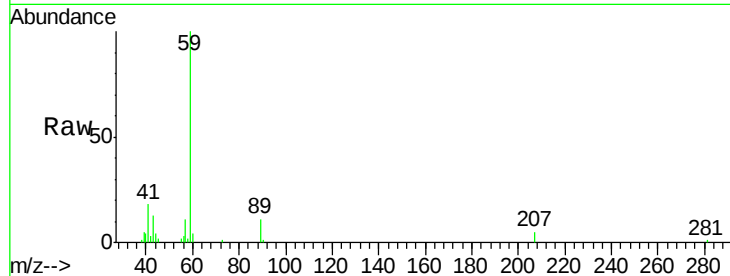


#11

Tert butyl alcohol
 Concen: 87.435 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VY002715.D
 Acq: 19 May 2020 11:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBS01

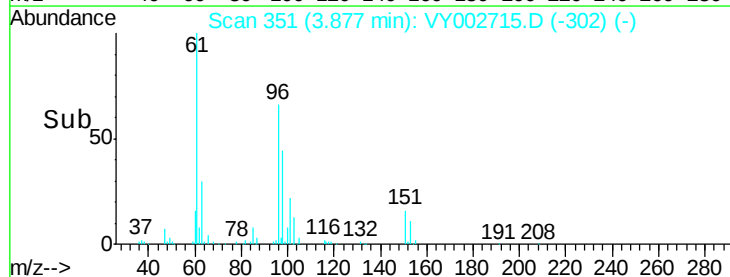
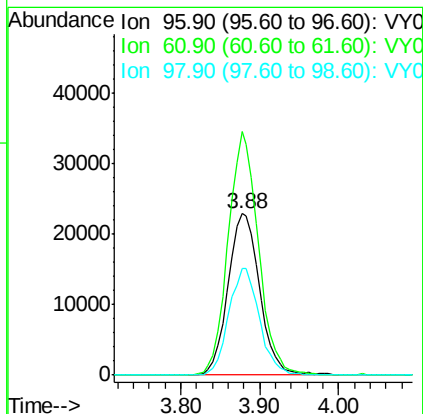
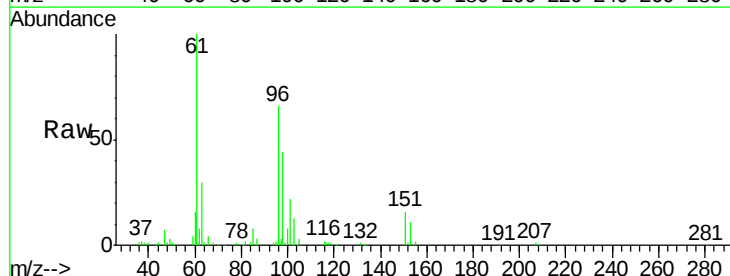
Tot Ion: 59 Resp: 25826
 Ion Ratio Lower Upper
 59 100
 57 9.5 7.7 11.5

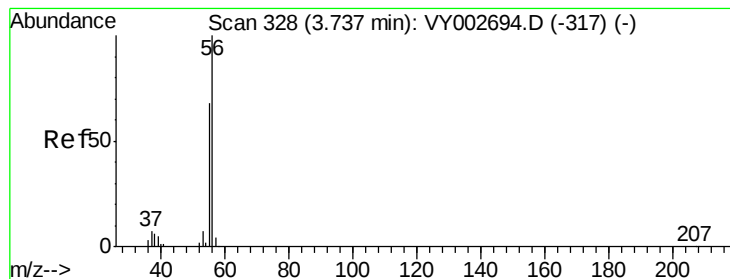


#12

1,1-Dichloroethene
 Concen: 19.611 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VY002715.D
 Acq: 19 May 2020 11:34

Tgt Ion: 96 Resp: 63962
 Ion Ratio Lower Upper
 96 100
 61 150.8 113.8 170.8
 98 65.8 50.4 75.6





#13

Acrolein

Concen: 86.545 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

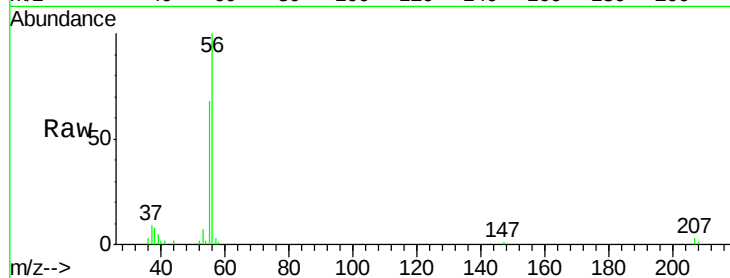
VY0519SBS01

Tot Ion: 56 Resp: 29983

Ion Ratio Lower Upper

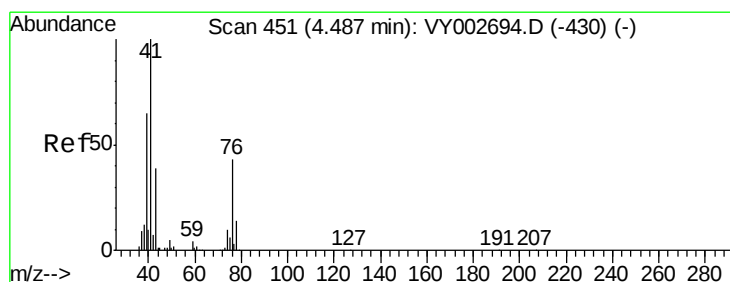
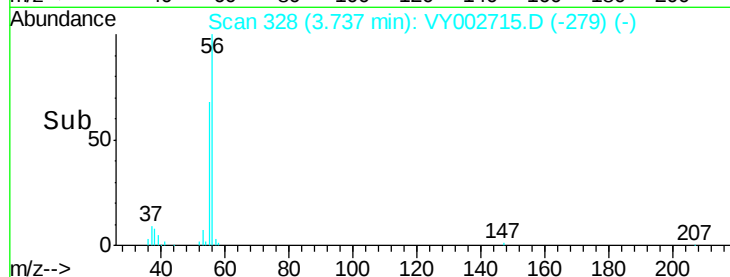
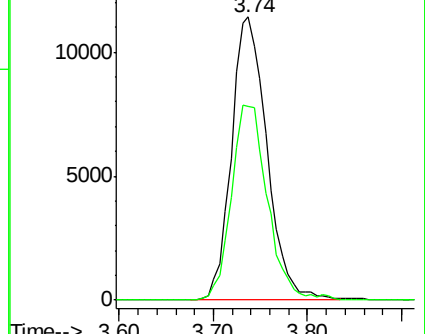
56 100

55 70.2 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 19.668 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

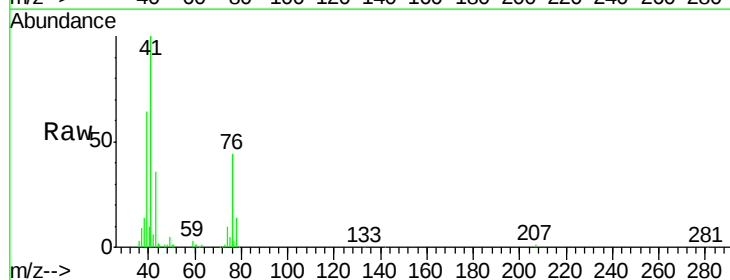
Tgt Ion: 41 Resp: 92090

Ion Ratio Lower Upper

41 100

39 61.4 50.3 75.5

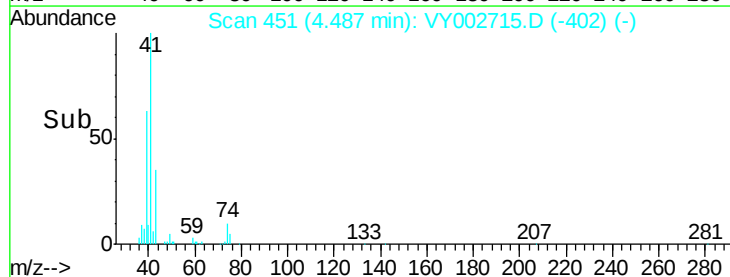
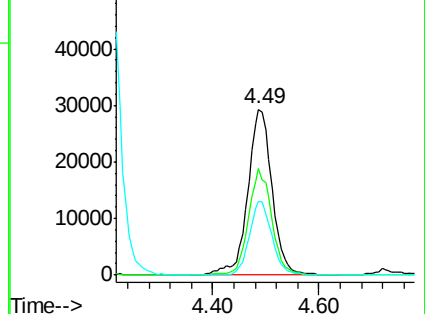
76 40.9 33.2 49.8

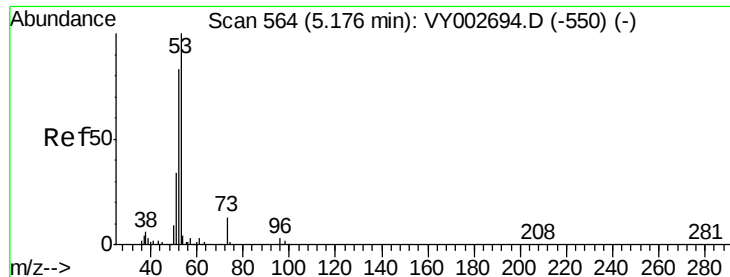


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 89.318 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0519SBS01

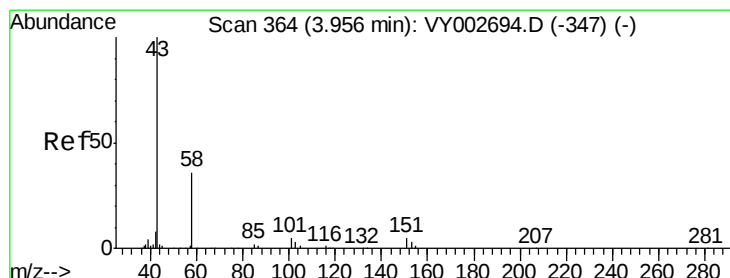
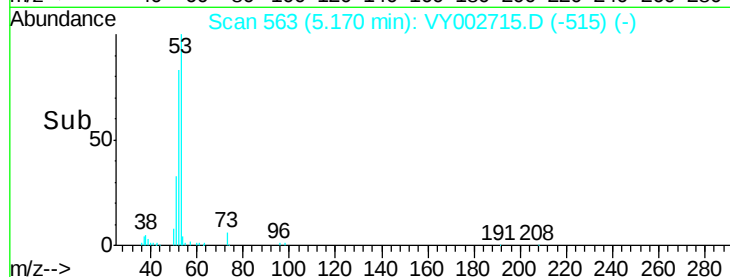
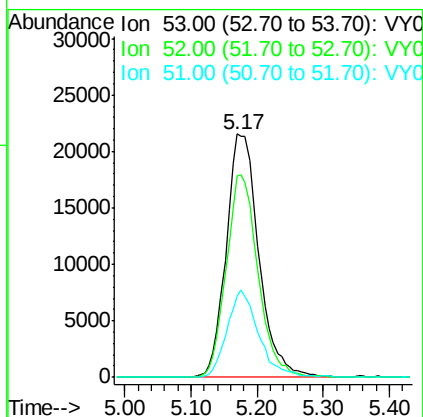
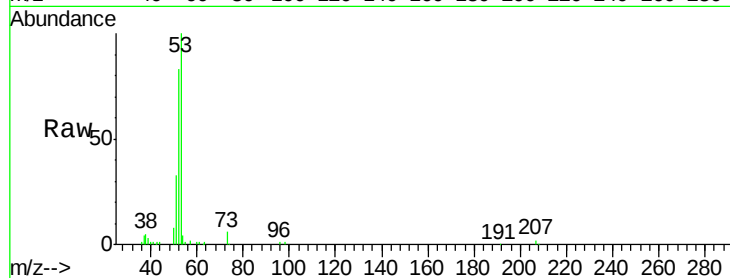
Tot Ion: 53 Resp: 73722

Ion Ratio Lower Upper

53 100

52 81.0 65.0 97.6

51 34.7 27.9 41.9



#16

Acetone

Concen: 84.219 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY002715.D

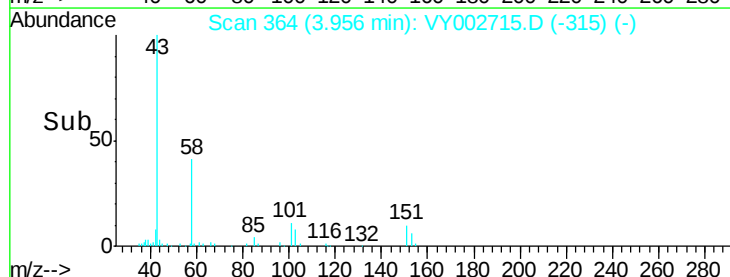
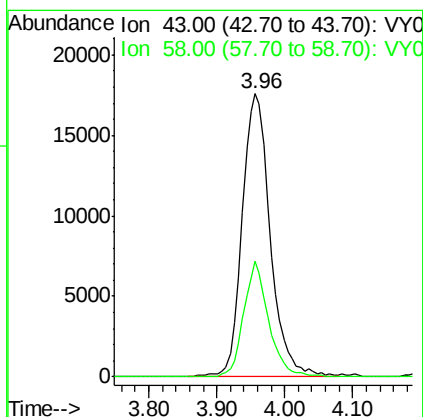
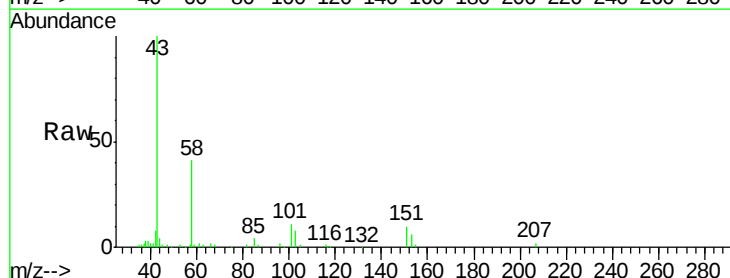
Acq: 19 May 2020 11:34

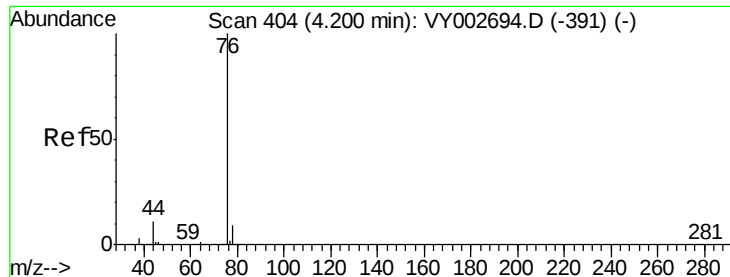
Tgt Ion: 43 Resp: 50495

Ion Ratio Lower Upper

43 100

58 40.7 28.6 43.0





#17

Carbon Disulfide

Concen: 19.226 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

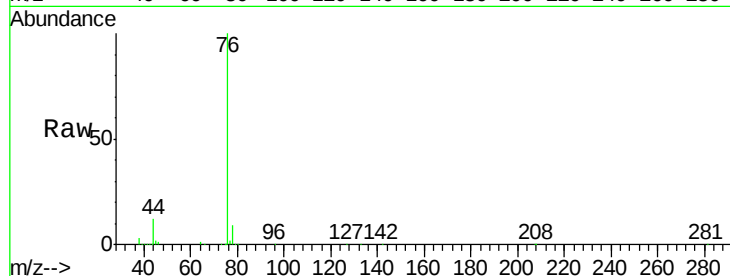
VY0519SBS01

Tot Ion: 76 Resp: 196692

Ion Ratio Lower Upper

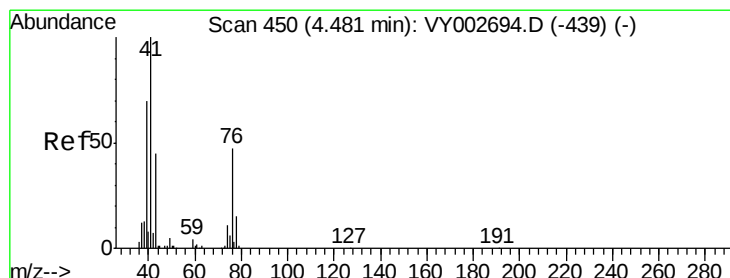
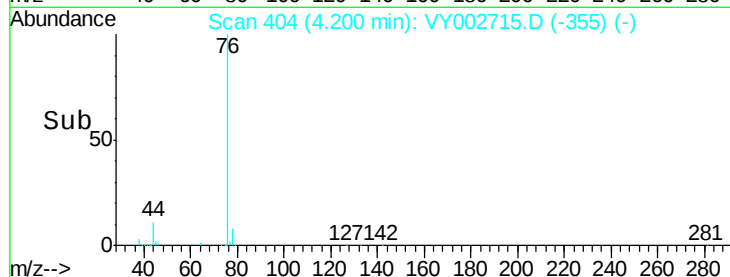
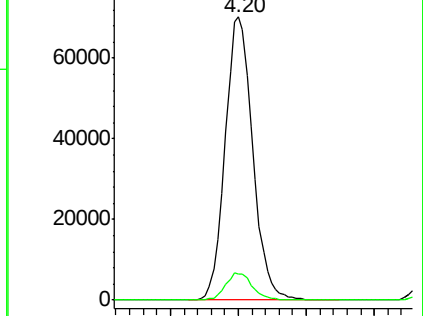
76 100

78 9.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 18.074 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY002715.D

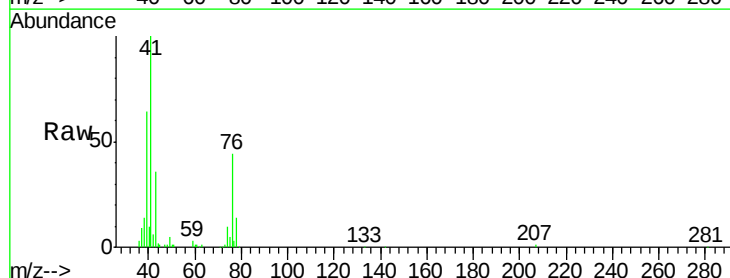
Acq: 19 May 2020 11:34

Tgt Ion: 43 Resp: 30898

Ion Ratio Lower Upper

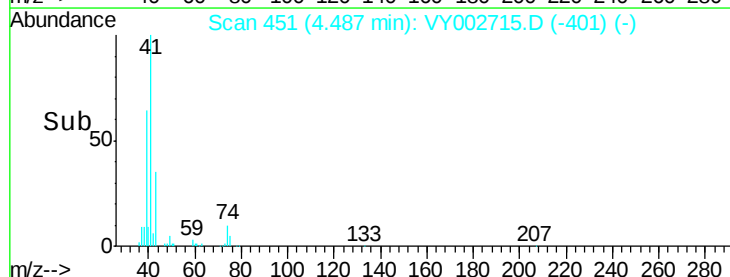
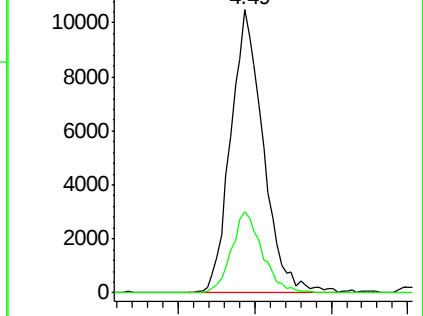
43 100

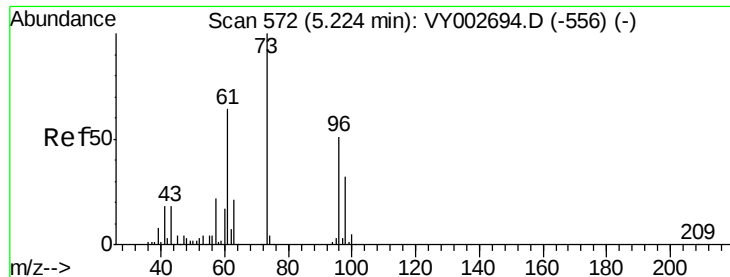
74 27.0 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

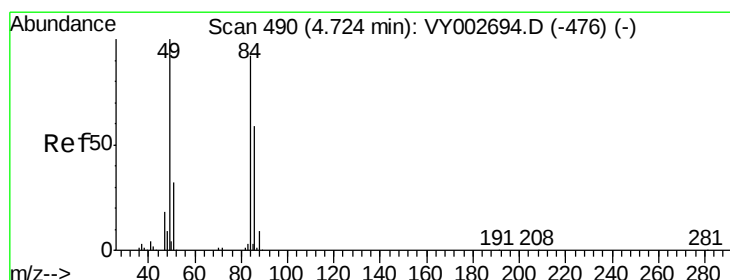
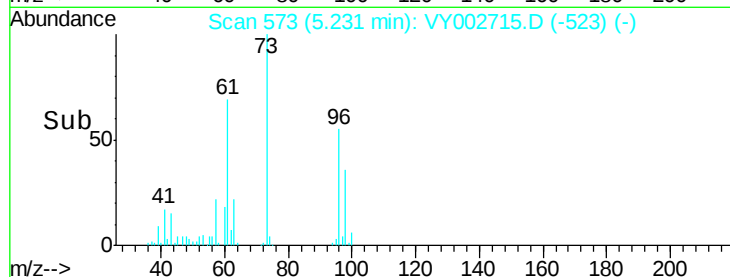
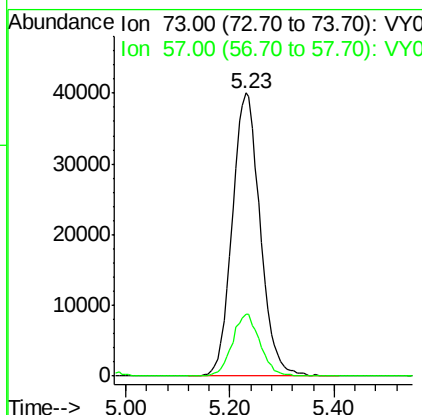
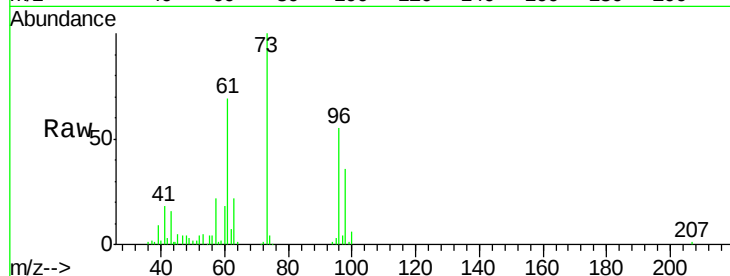




#19
Methvl tert-butvl Ether
Concen: 18.357 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY002715.D
Acq: 19 May 2020 11:34

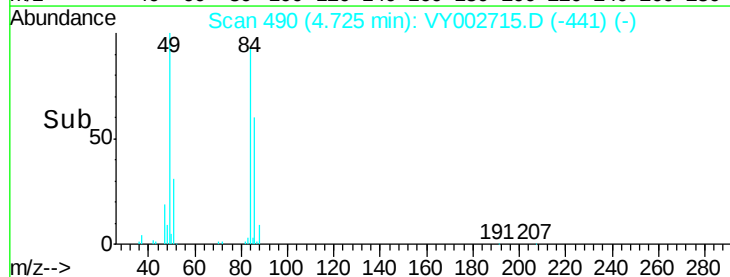
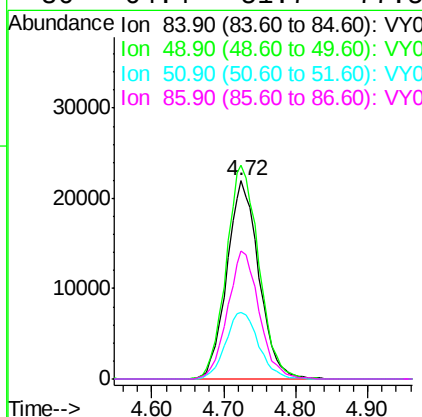
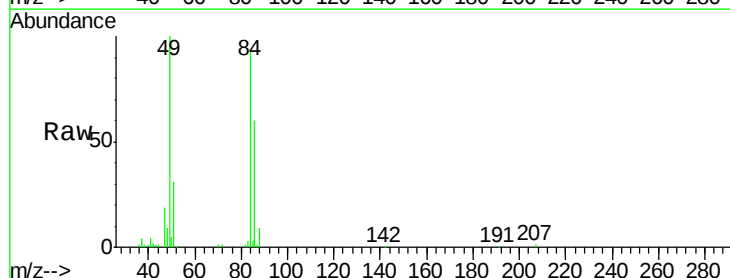
Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBS01

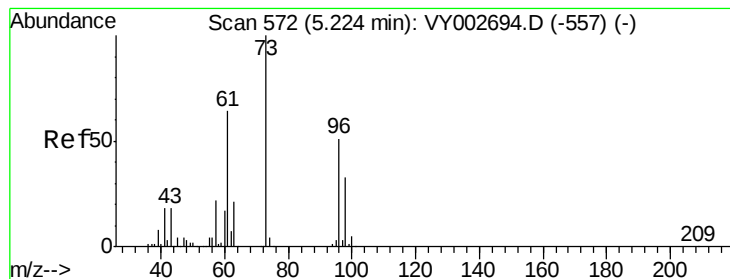
Tot Ion: 73 Resp: 148503
Ion Ratio Lower Upper
73 100
57 21.8 17.3 25.9



#20
Methylene Chloride
Concen: 18.687 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY002715.D
Acq: 19 May 2020 11:34

Tgt Ion: 84 Resp: 67725
Ion Ratio Lower Upper
84 100
49 107.7 87.4 131.0
51 33.6 27.9 41.9
86 64.4 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 19.587 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0519SBS01

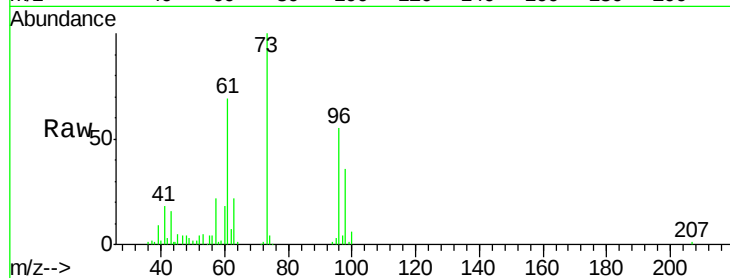
Tot Ion: 96 Resp: 71036

Ion Ratio Lower Upper

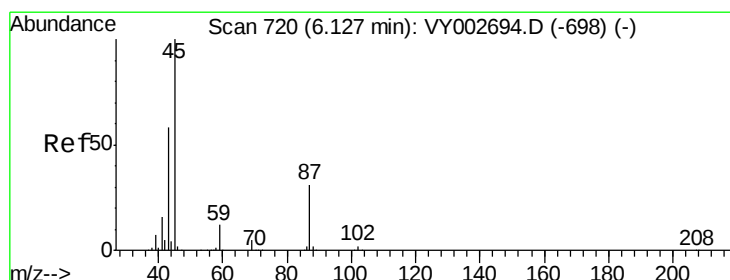
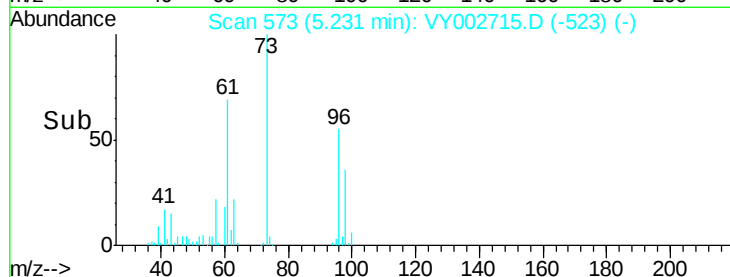
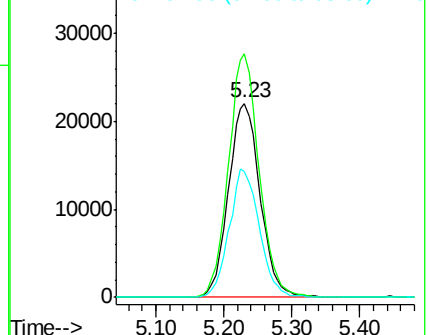
96 100

61 125.5 99.6 149.4

98 64.7 50.6 76.0



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



#22

Diisopropyl ether

Concen: 19.676 ug/l

RT: 6.13 min Scan# 721

Delta R.T. 0.01 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

Tgt Ion: 45 Resp: 182785

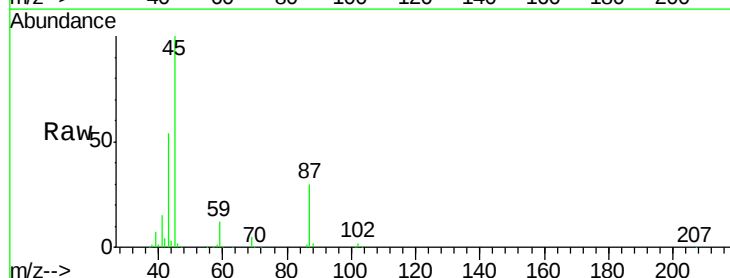
Ion Ratio Lower Upper

45 100

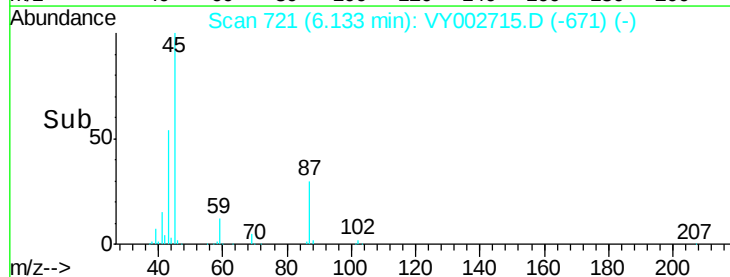
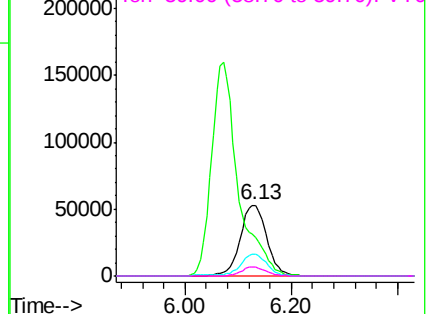
43 54.1 46.1 69.1

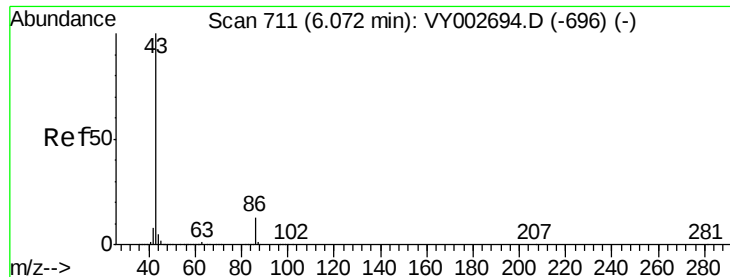
87 30.4 24.9 37.3

59 12.3 9.8 14.8



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





#23

Vinyl Acetate

Concen: 92.772 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

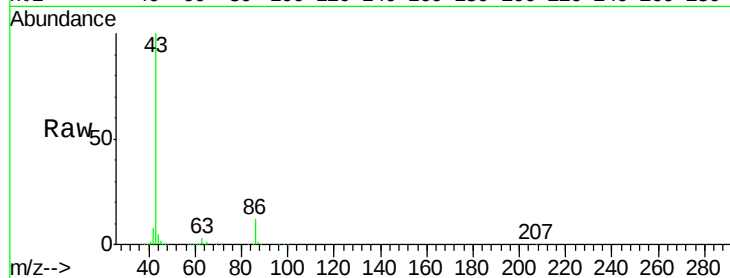
VY0519SBS01

Tot Ion: 43 Resp: 551842

Ion Ratio Lower Upper

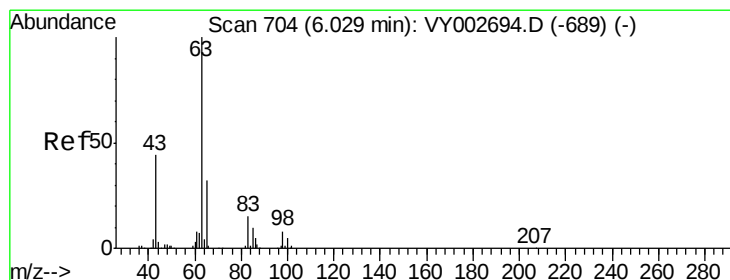
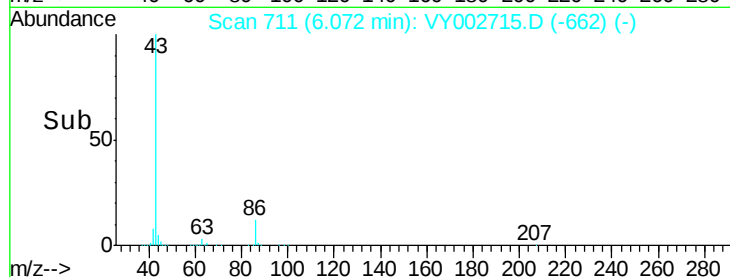
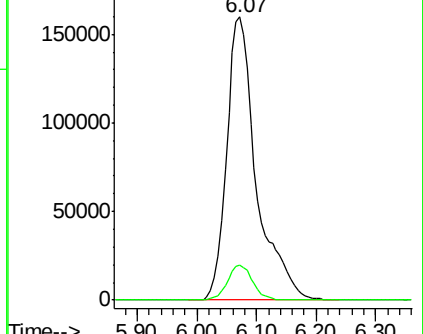
43 100

86 12.4 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 19.543 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

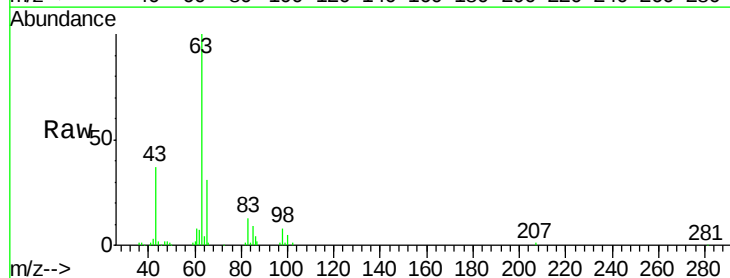
Tgt Ion: 63 Resp: 108483

Ion Ratio Lower Upper

63 100

98 8.4 4.0 11.9

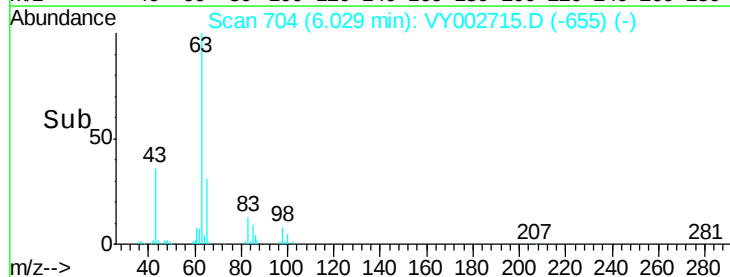
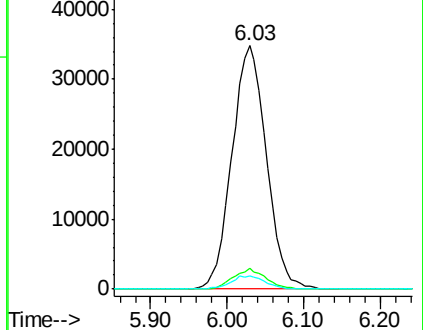
100 5.2 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 86.758 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

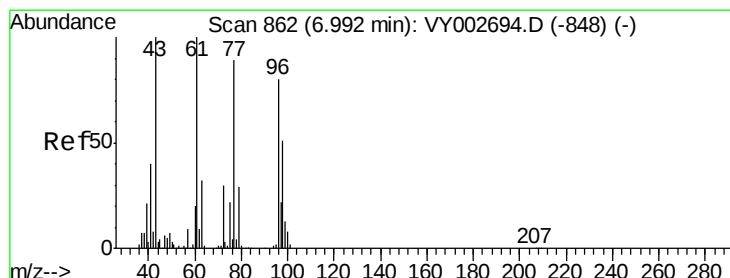
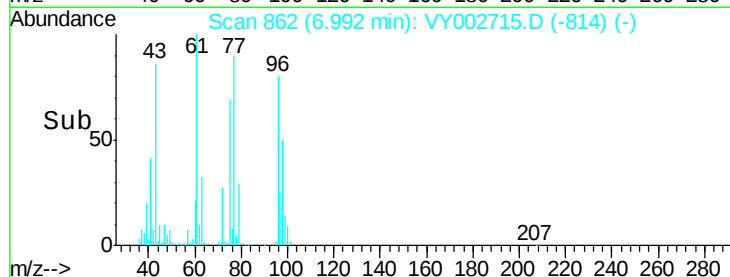
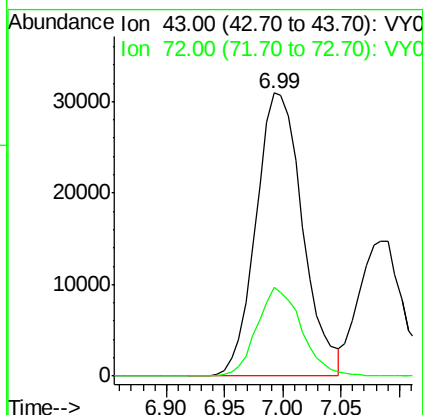
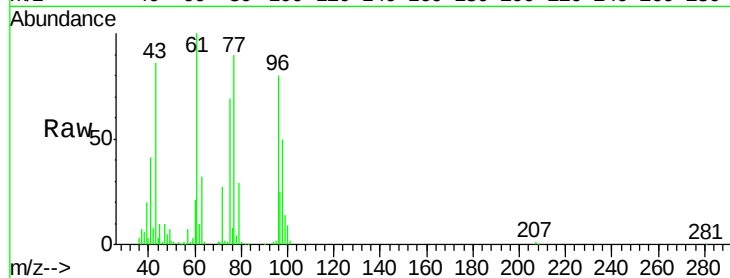
VY0519SBS01

Tot Ion: 43 Resp: 86065

Ion Ratio Lower Upper

43 100

72 31.3 24.1 36.1



#26

2,2-Dichloropropane

Concen: 19.238 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY002715.D

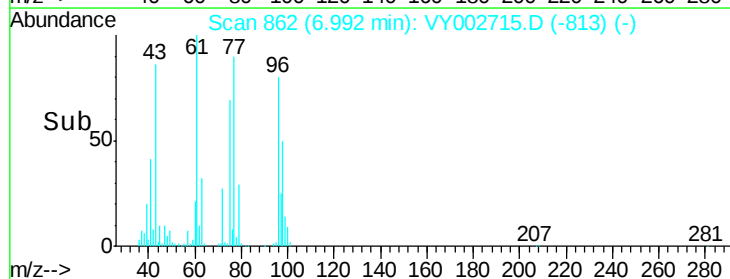
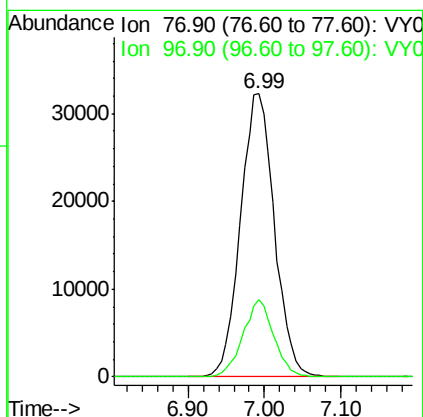
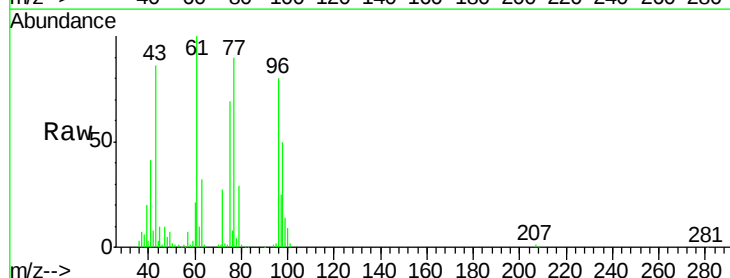
Acq: 19 May 2020 11:34

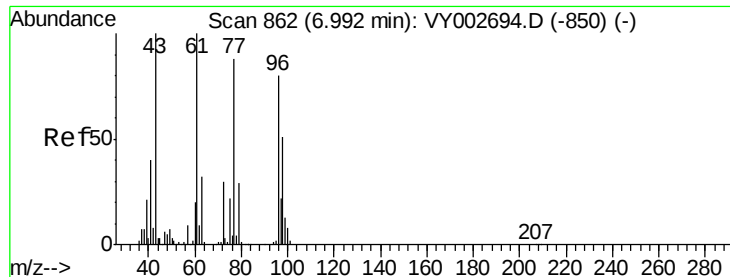
Tgt Ion: 77 Resp: 99364

Ion Ratio Lower Upper

77 100

97 25.0 12.3 36.9



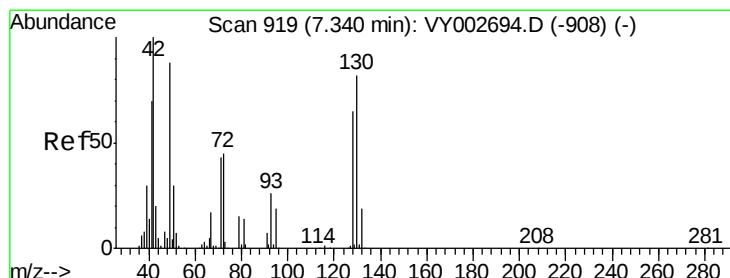
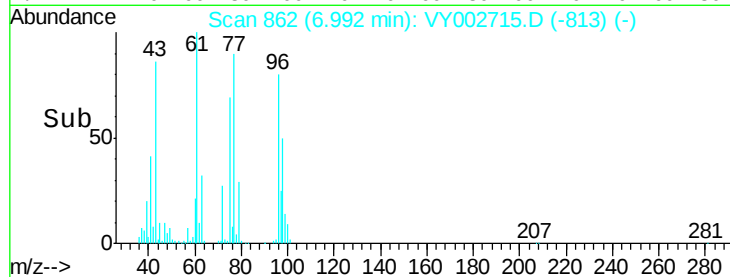
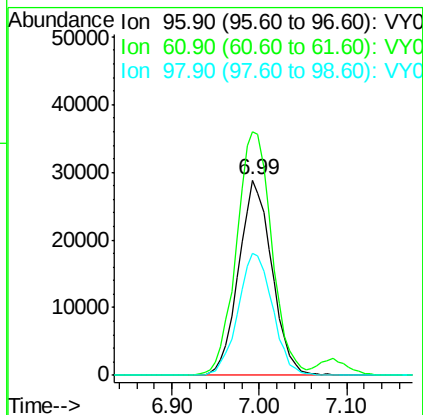
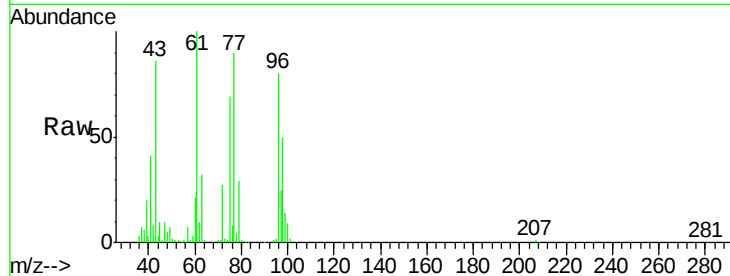


#27

cis-1,2-Dichloroethene
Concen: 19.432 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY002715.D
Acq: 19 May 2020 11:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBS01

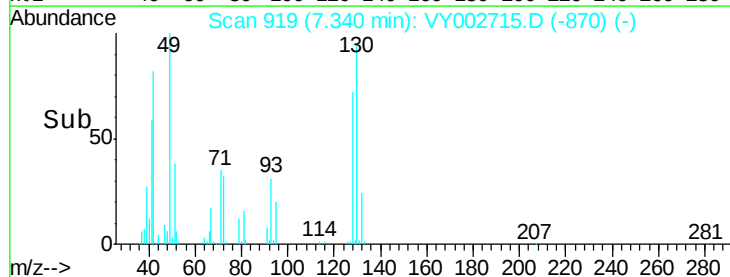
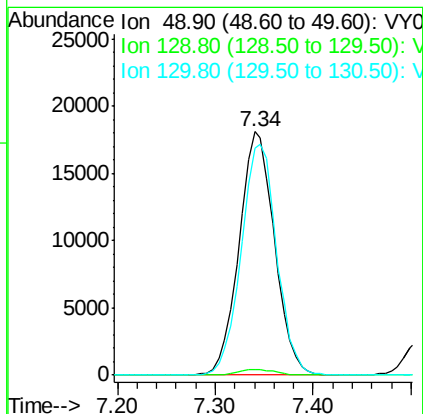
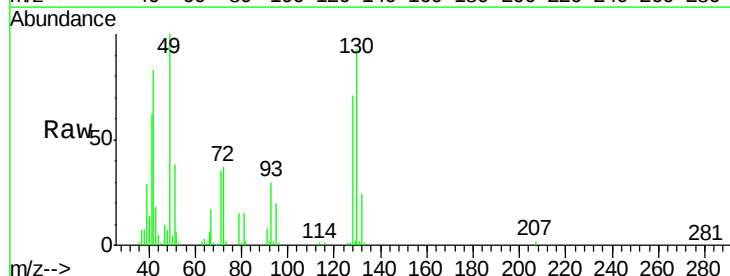
Tot Ion: 96 Resp: 76148
Ion Ratio Lower Upper
96 100
61 132.5 0.0 258.0
98 64.8 0.0 128.4

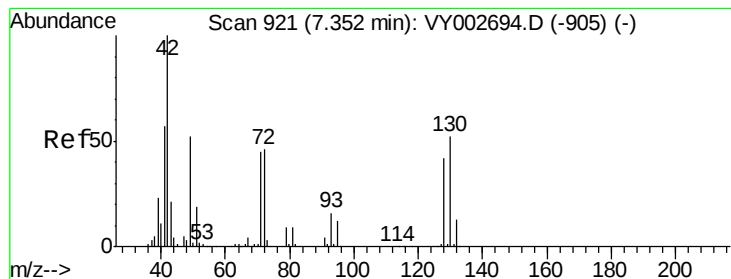


#28

Bromochloromethane
Concen: 20.731 ug/l
RT: 7.34 min Scan# 919
Delta R.T. 0.00 min
Lab File: VY002715.D
Acq: 19 May 2020 11:34

Tgt Ion: 49 Resp: 45523
Ion Ratio Lower Upper
49 100
129 2.4 0.0 4.6
130 95.0 75.3 112.9





#29

Tetrahydrofuran

Concen: 88.023 ug/l

RT: 7.35 min Scan# 921

Delta R.T. 0.00 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0519SBS01

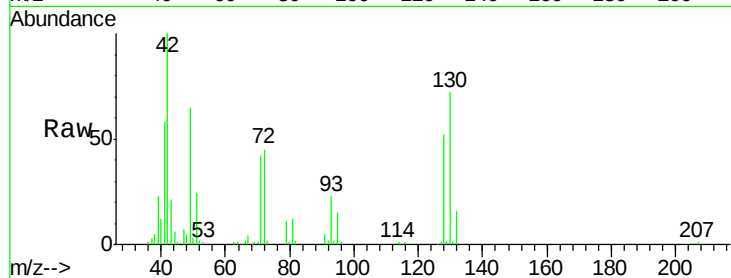
Tot Ion: 42 Resp: 59412

Ion Ratio Lower Upper

42 100

72 46.6 38.2 57.2

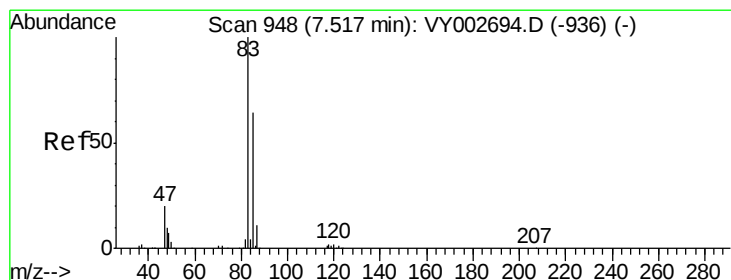
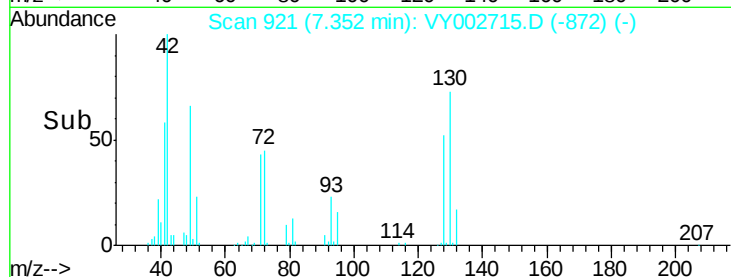
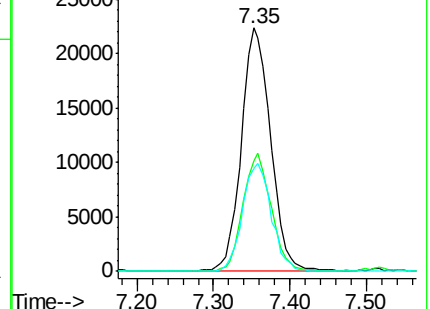
71 43.5 35.8 53.8



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: 19.343 ug/l

RT: 7.52 min Scan# 948

Delta R.T. 0.00 min

Lab File: VY002715.D

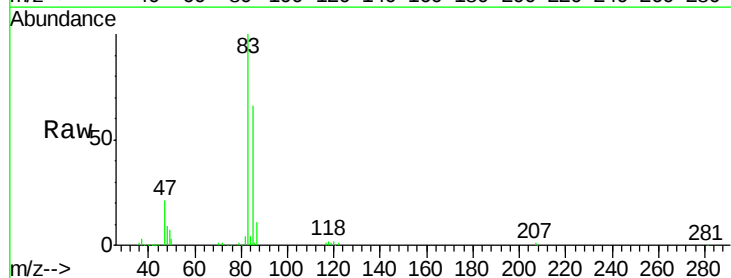
Acq: 19 May 2020 11:34

Tgt Ion: 83 Resp: 111441

Ion Ratio Lower Upper

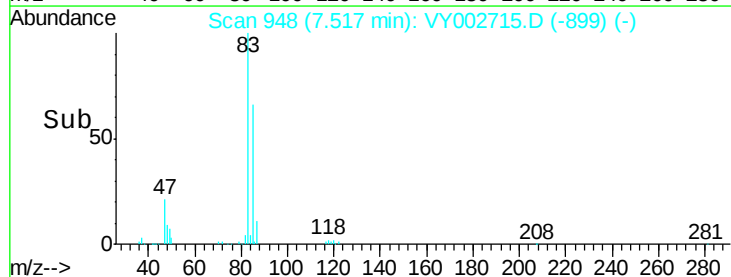
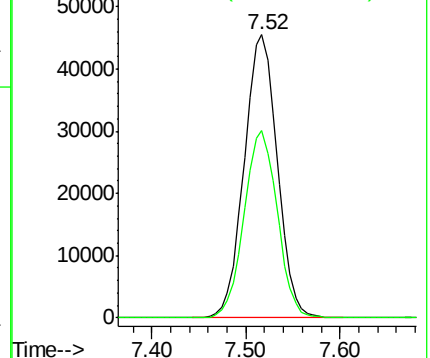
83 100

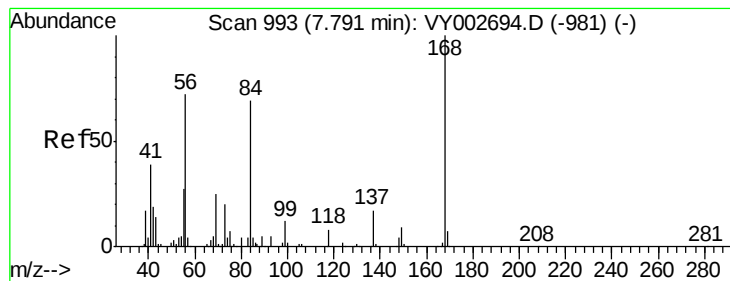
85 66.0 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 19.412 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0519SBS01

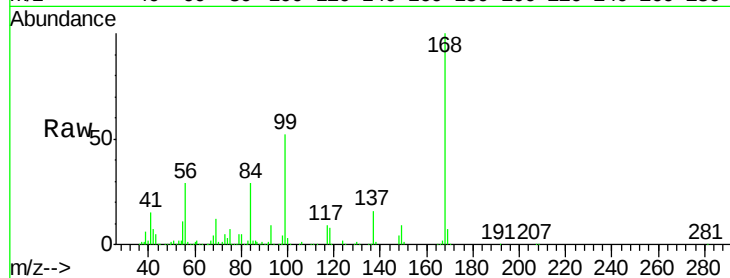
Tot Ion: 56 Resp: 109289

Ion Ratio Lower Upper

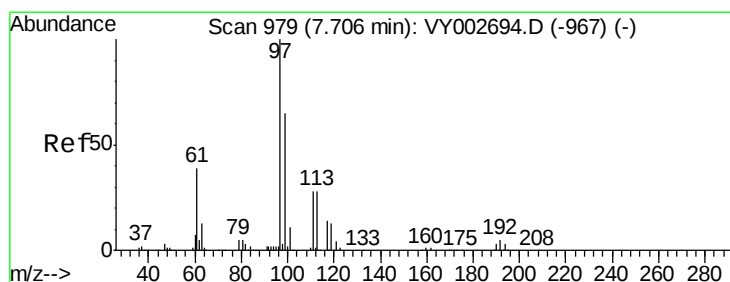
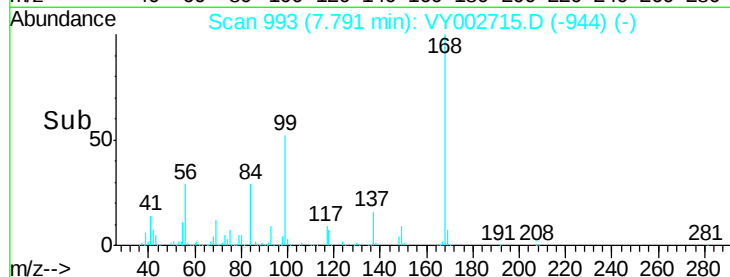
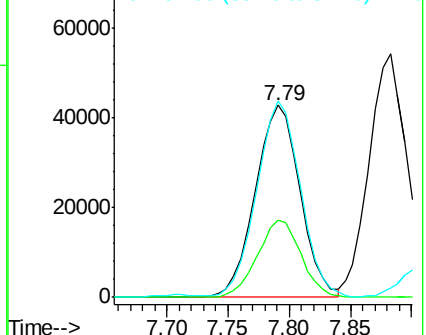
56 100

69 40.3 27.7 41.5

84 101.5 77.0 115.4



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



#32

1,1,1-Trichloroethane

Concen: 19.465 ug/l

RT: 7.71 min Scan# 979

Delta R.T. 0.00 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

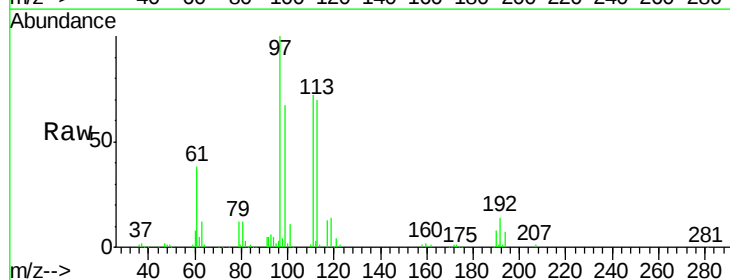
Tgt Ion: 97 Resp: 103619

Ion Ratio Lower Upper

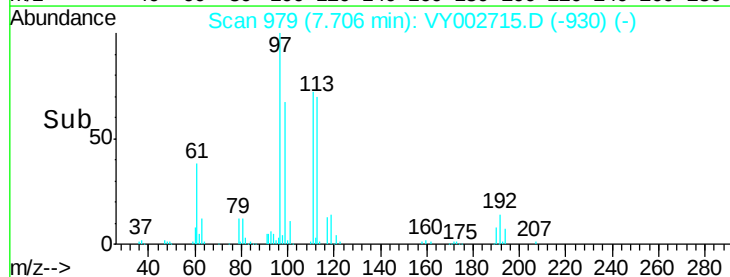
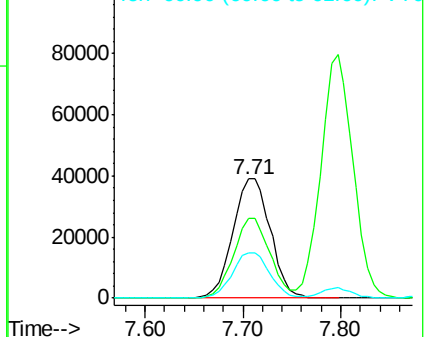
97 100

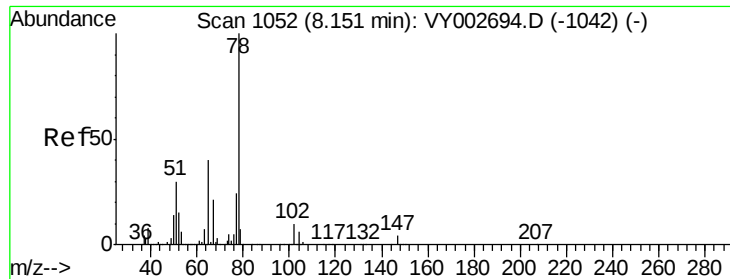
99 64.8 51.6 77.4

61 38.0 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

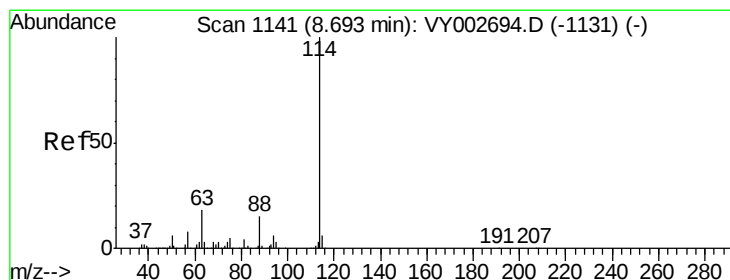
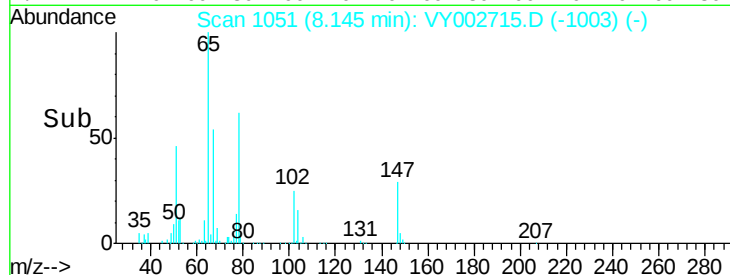
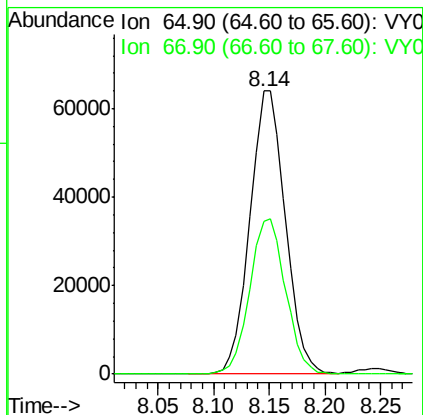
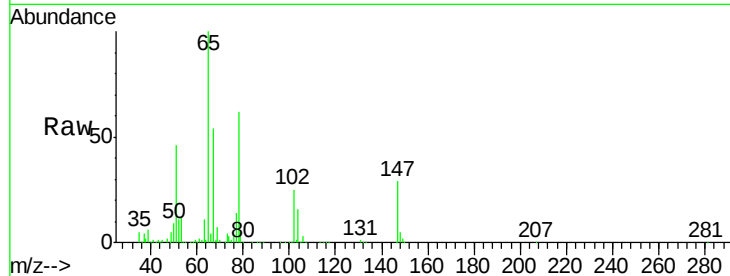




#33
 1,2-Dichloroethane-d4
 Concen: 48.875 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY002715.D
 Acq: 19 May 2020 11:34

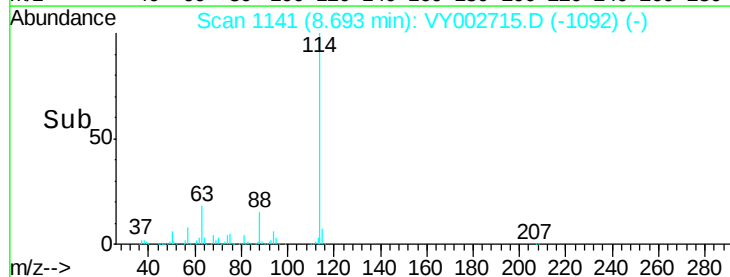
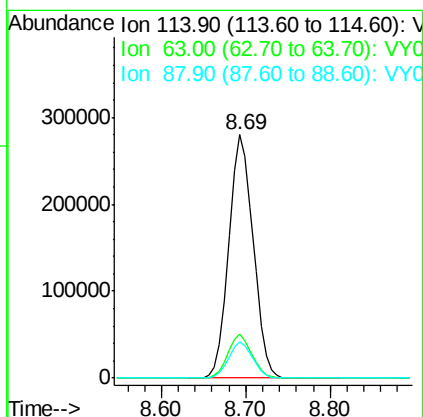
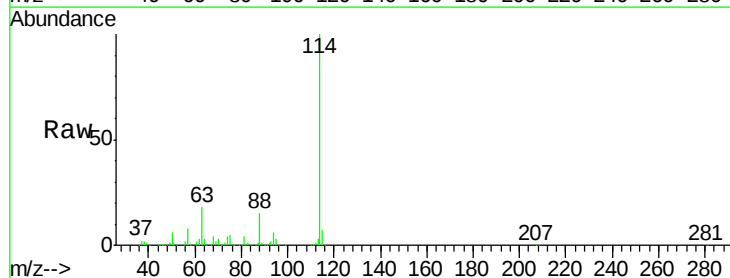
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBS01

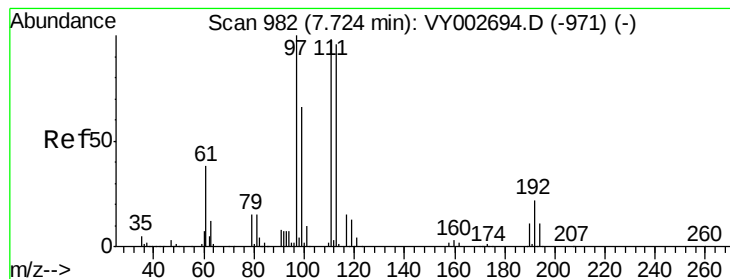
Tot Ion: 65 Resp: 142151
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002715.D
 Acq: 19 May 2020 11:34

Tgt Ion: 114 Resp: 549540
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 35.4
 88 14.7 0.0 29.4





#35

Dibromofluoromethane

Concen: 51.360 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0519SBS01

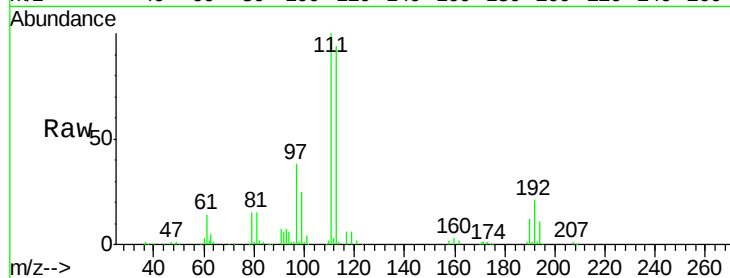
Tot Ion:113 Resp: 155763

Ion Ratio Lower Upper

113 100

111 102.7 81.9 122.9

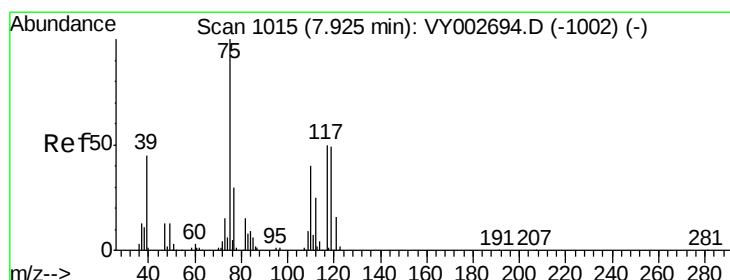
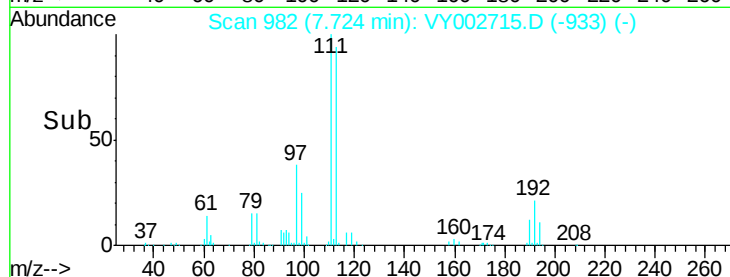
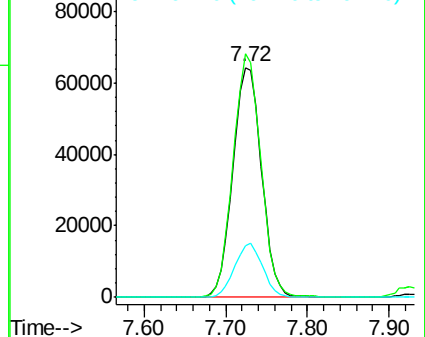
192 22.9 18.6 27.8



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: 19.477 ug/l

RT: 7.93 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

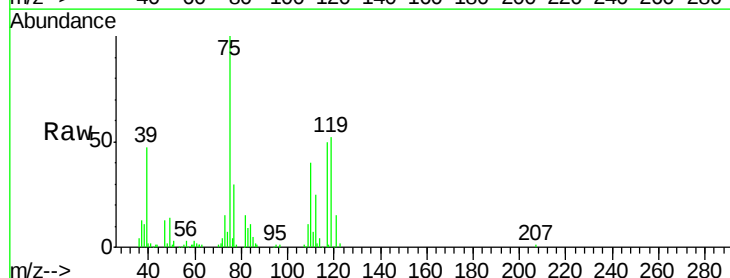
Tgt Ion: 75 Resp: 90611

Ion Ratio Lower Upper

75 100

110 39.2 19.4 58.4

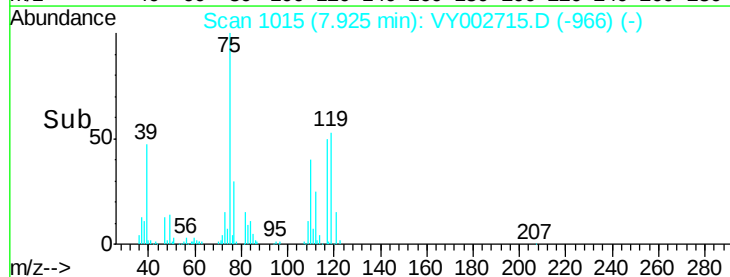
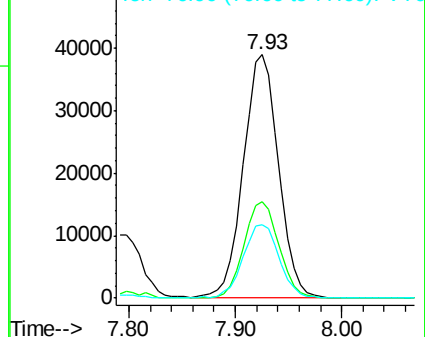
77 31.1 25.0 37.4

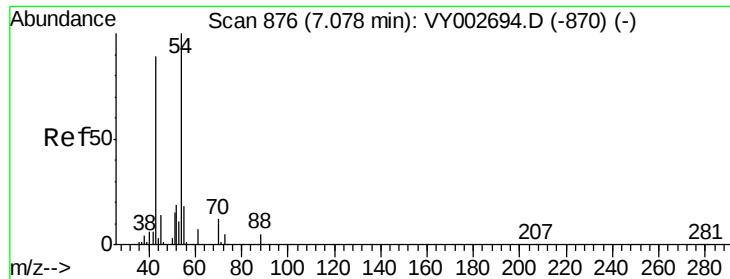


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

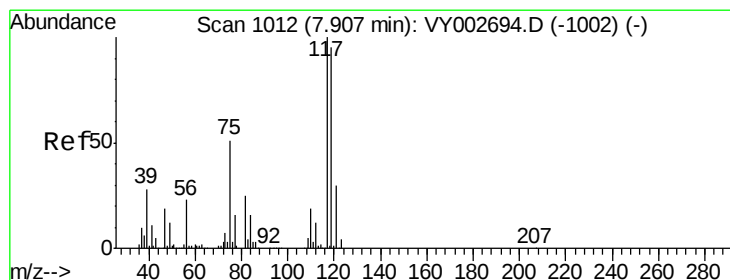
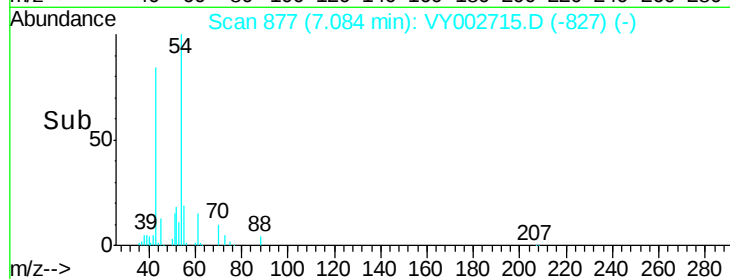
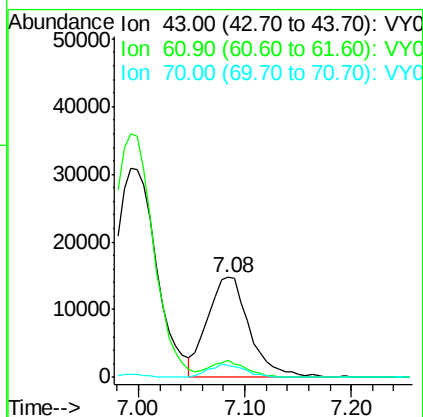
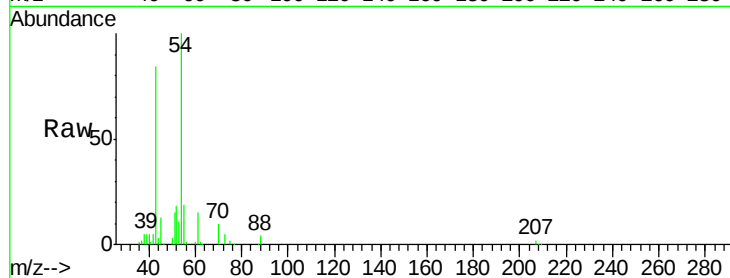




#37
Ethyl Acetate
Concen: 17.492 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.01 min
Lab File: VY002715.D
Acq: 19 May 2020 11:34

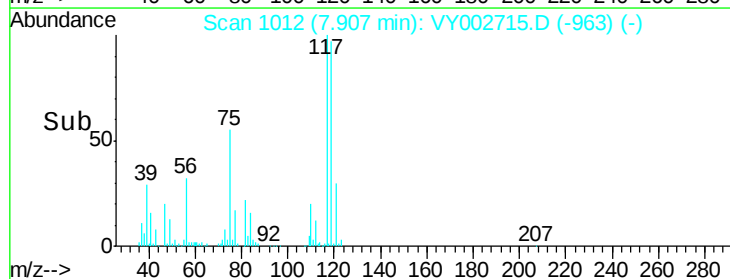
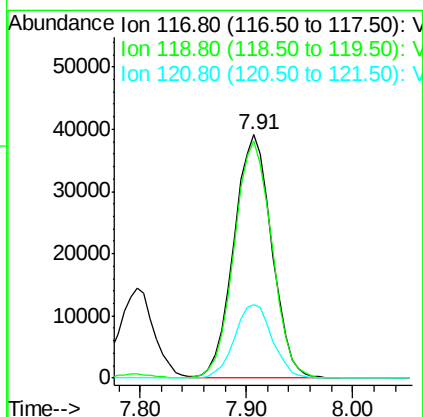
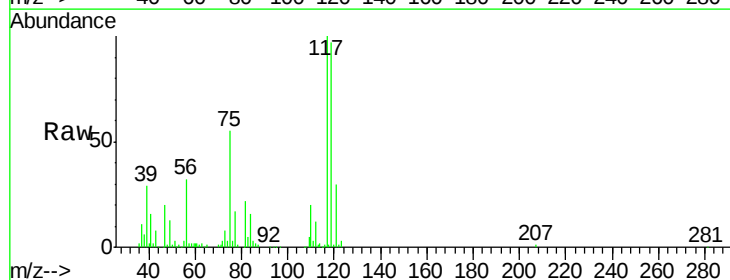
Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBS01

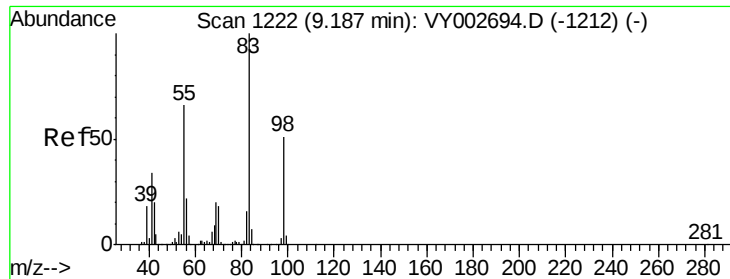
Tot Ion: 43 Resp: 40024
Ion Ratio Lower Upper
43 100
61 14.9 11.8 17.8
70 11.5 9.2 13.8



#38
Carbon Tetrachloride
Concen: 19.603 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY002715.D
Acq: 19 May 2020 11:34

Tgt Ion: 117 Resp: 98015
Ion Ratio Lower Upper
117 100
119 97.3 76.3 114.5
121 30.3 24.2 36.2

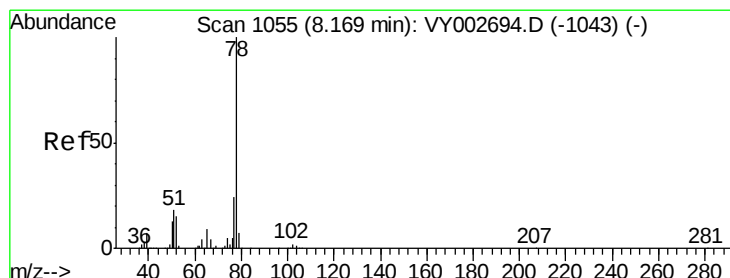
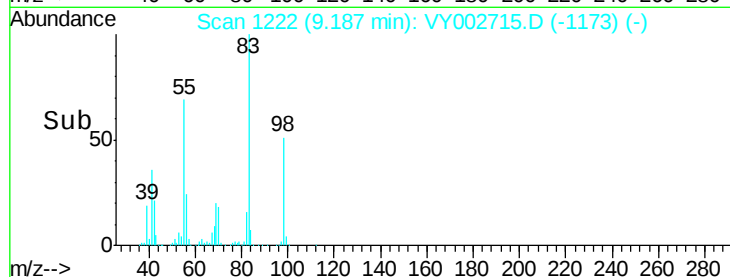
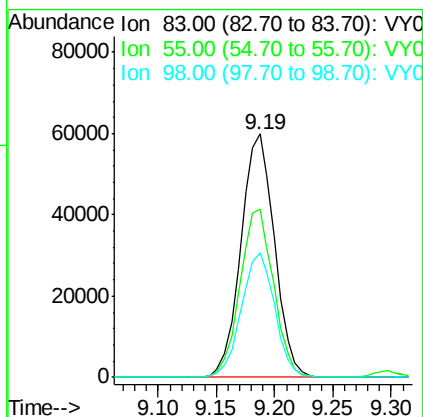
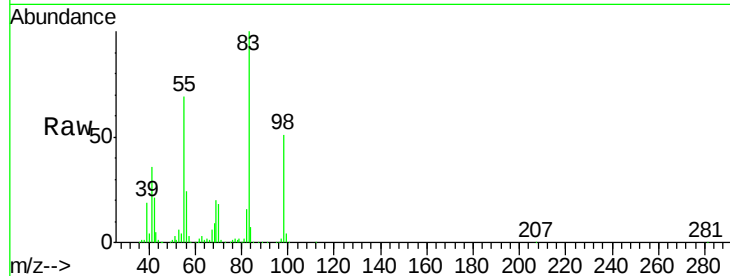




#39
Methvlcvclohexane
Concen: 19.301 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY002715.D
Acq: 19 May 2020 11:34

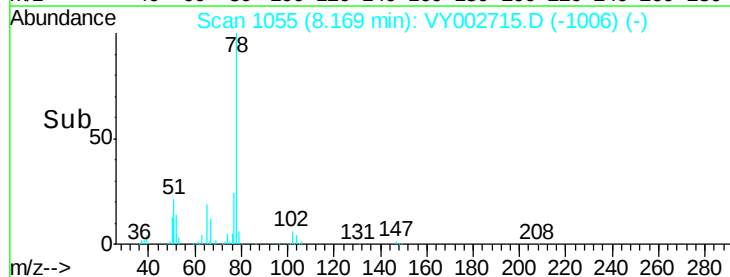
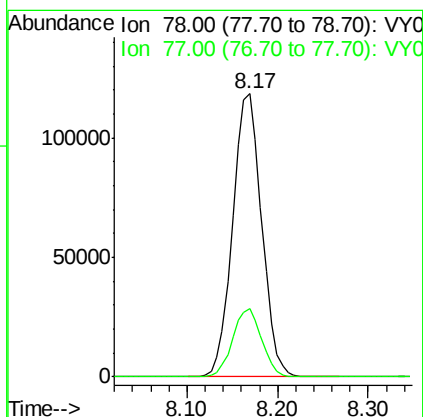
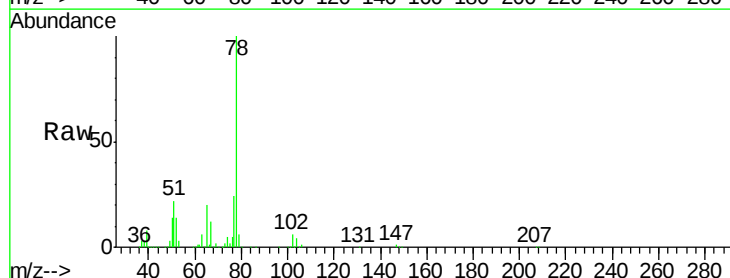
Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBS01

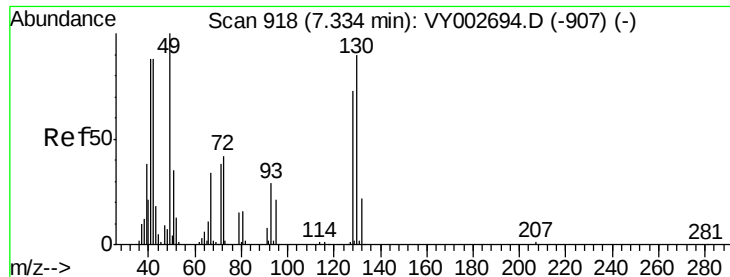
Tot Ion: 83 Resp: 120731
Ion Ratio Lower Upper
83 100
55 69.2 53.0 79.6
98 51.3 40.8 61.2



#40
Benzene
Concen: 19.501 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY002715.D
Acq: 19 May 2020 11:34

Tgt Ion: 78 Resp: 264712
Ion Ratio Lower Upper
78 100
77 24.1 19.2 28.8





#41

Methacrylonitrile

Concen: 16.959 ug/l m

RT: 7.33 min Scan# 918

Delta R.T. 0.00 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0519SBS01

Tot Ion: 41 Resp: 23314

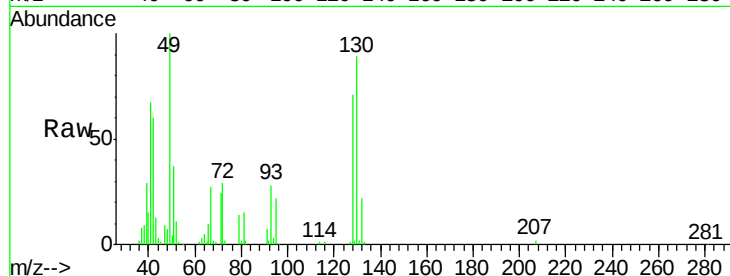
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

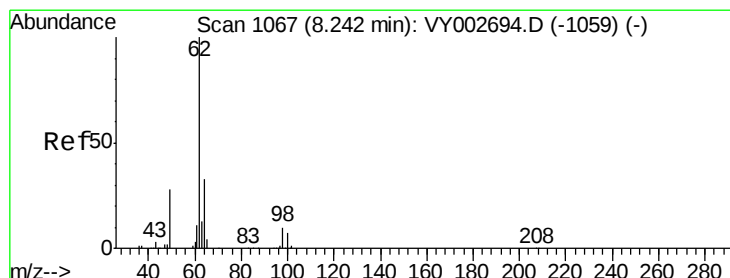
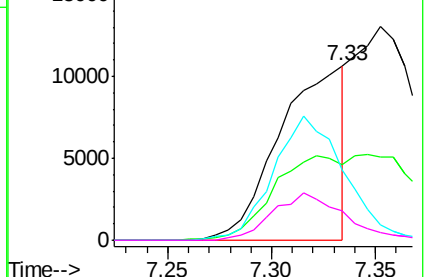
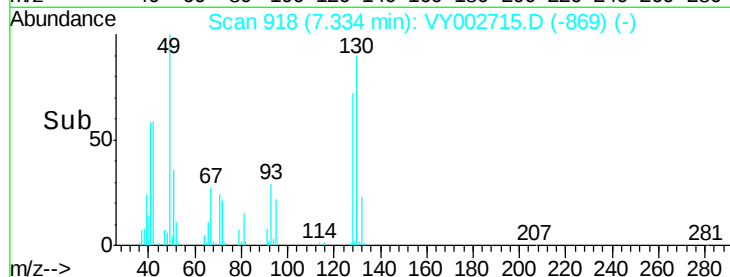


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 18.652 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VY002715.D

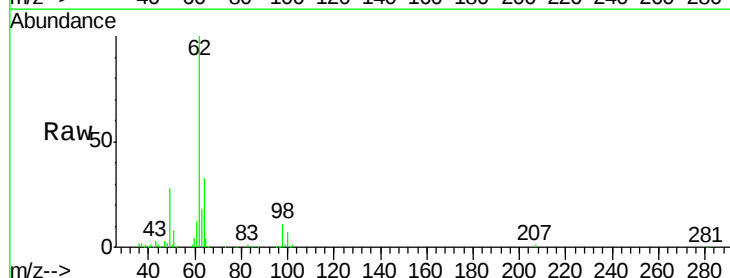
Acq: 19 May 2020 11:34

Tgt Ion: 62 Resp: 66777

Ion Ratio Lower Upper

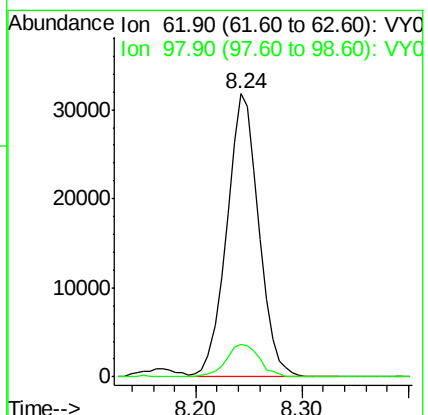
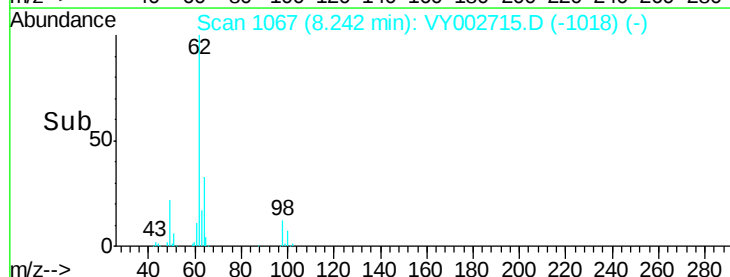
62 100

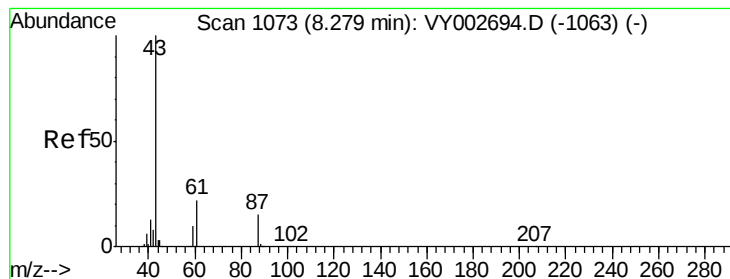
98 12.0 0.0 21.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



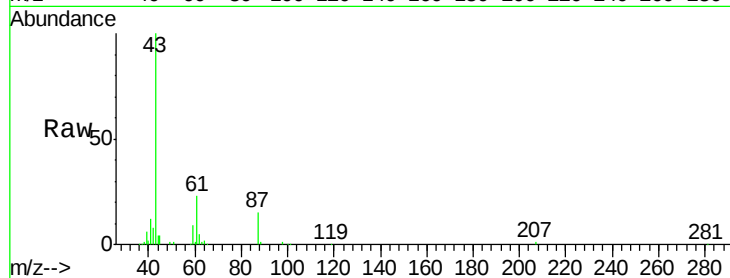


#43

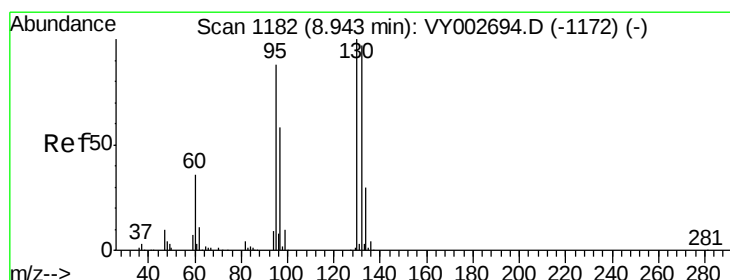
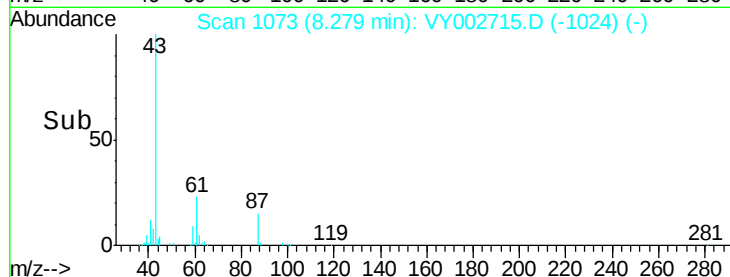
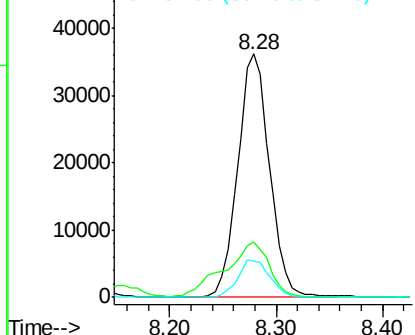
Isopropyl Acetate
 Concen: 17.887 ug/l
 RT: 8.28 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VY002715.D
 Acq: 19 May 2020 11:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBS01

Tot Ion	43	Resp	76062
Ion Ratio	Lower	Upper	
43	100		
61	32.0	24.9	37.3
87	15.7	12.6	19.0



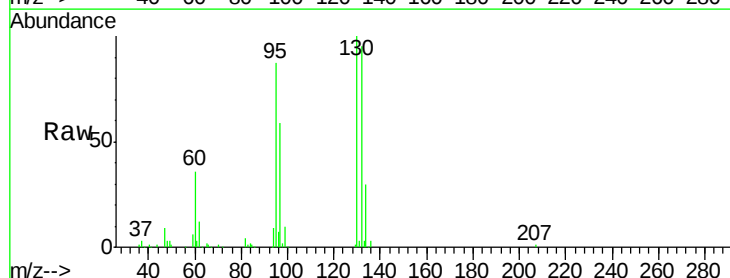
Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 61.00 (60.70 to 61.70): VY0
 Ion 87.00 (86.70 to 87.70): VY0



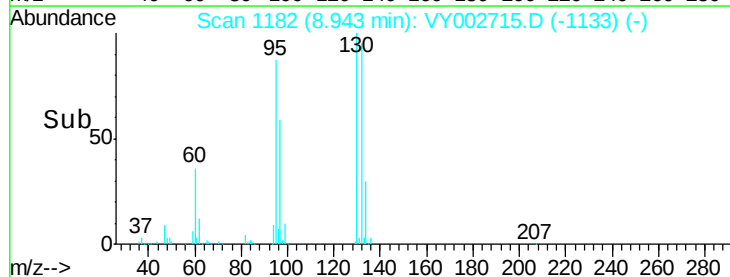
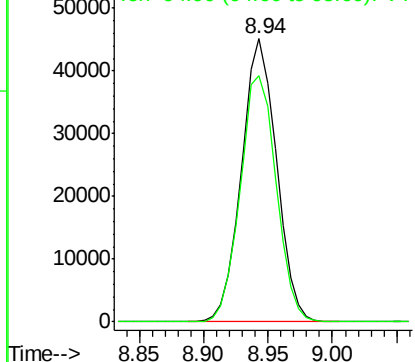
#44

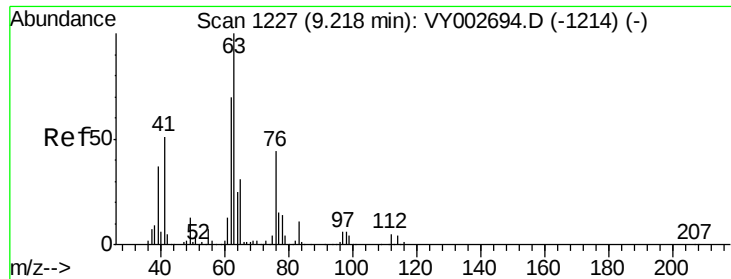
Trichloroethene
 Concen: 19.599 ug/l
 RT: 8.94 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VY002715.D
 Acq: 19 May 2020 11:34

Tgt Ion	130	Resp	84800
Ion Ratio	Lower	Upper	
130	100		
95	87.0	0.0	176.4



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VY0

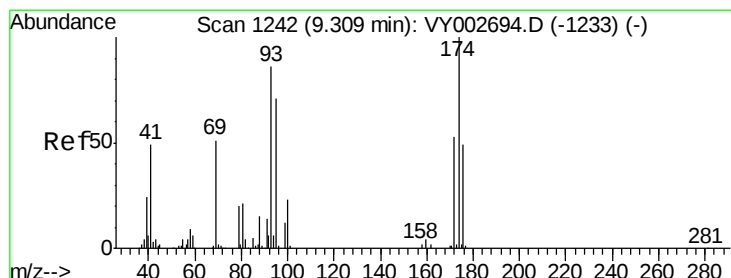
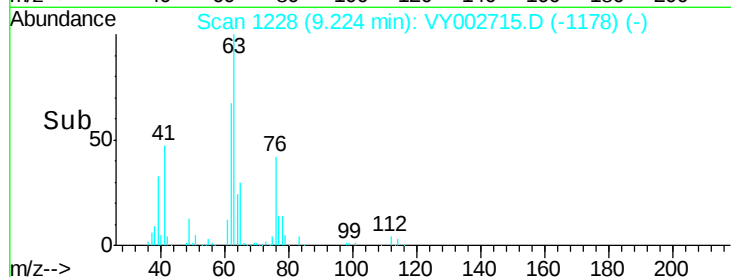
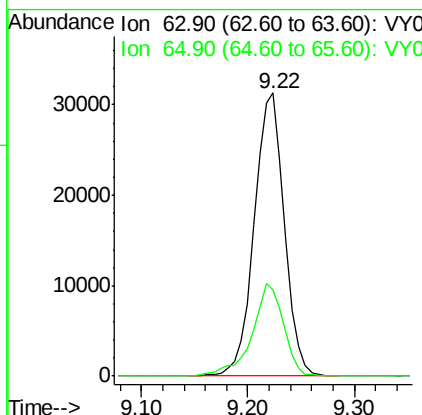
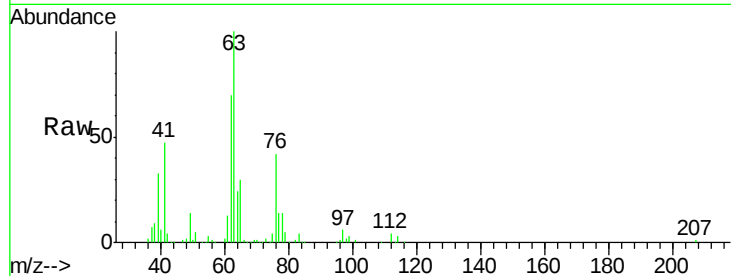




#45
 1,2-Dichloropropane
 Concen: 19.268 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VY002715.D
 Acq: 19 May 2020 11:34

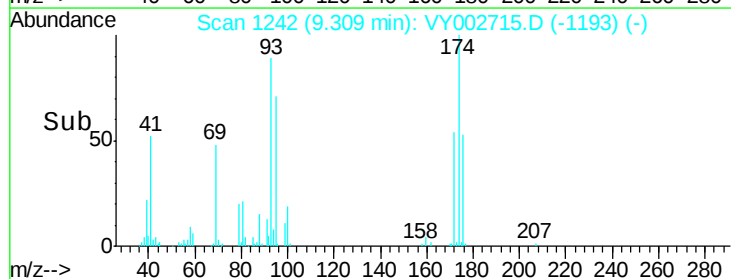
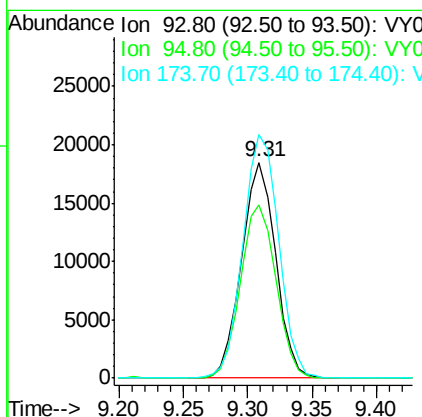
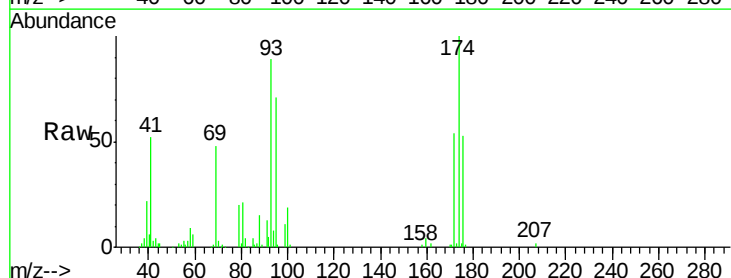
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBS01

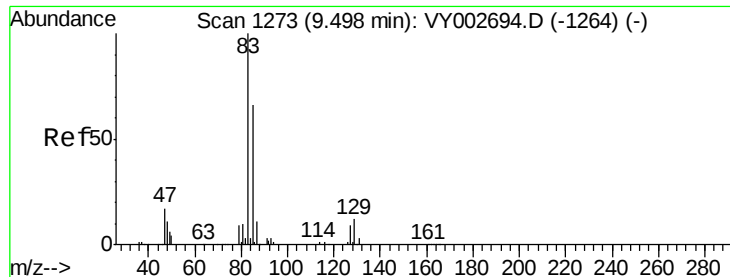
Tot Ion: 63 Resp: 62074
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.7 37.1



#46
 Dibromomethane
 Concen: 18.721 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY002715.D
 Acq: 19 May 2020 11:34

Tgt Ion: 93 Resp: 33884
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.5 99.7
 174 118.3 95.6 143.4





#47

Bromodichloromethane

Concen: 19.114 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0519SBS01

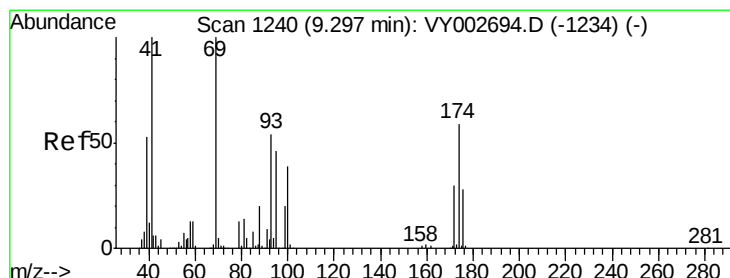
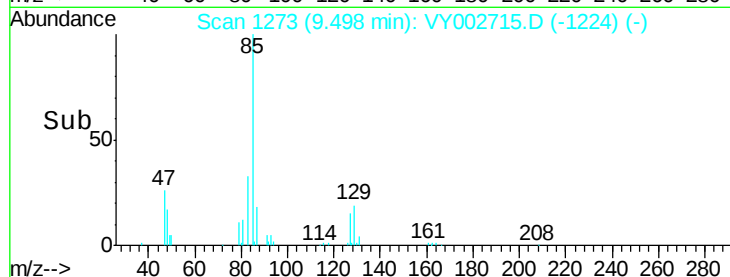
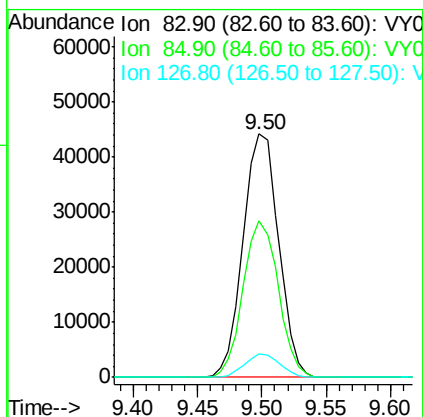
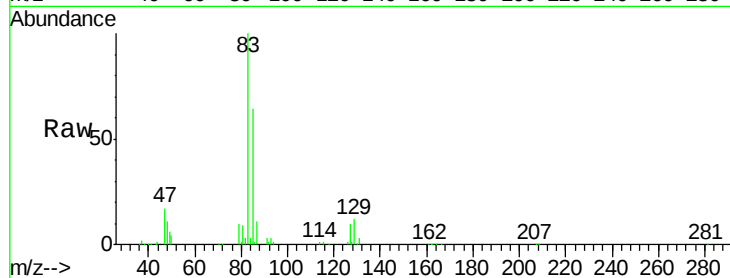
Tot Ion: 83 Resp: 84432

Ion Ratio Lower Upper

83 100

85 64.2 52.4 78.6

127 9.6 7.6 11.4



#48

Methyl methacrylate

Concen: 17.883 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

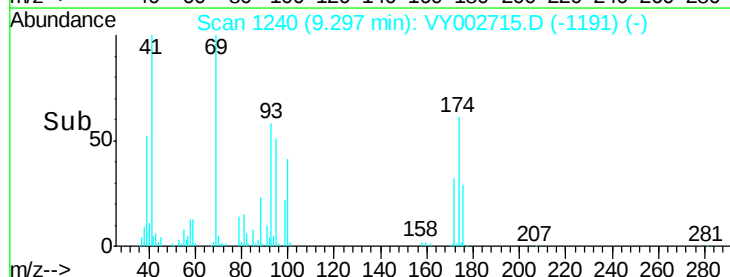
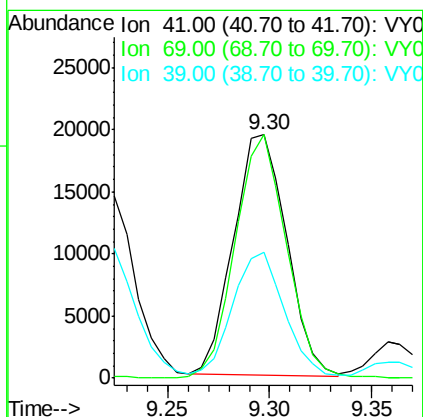
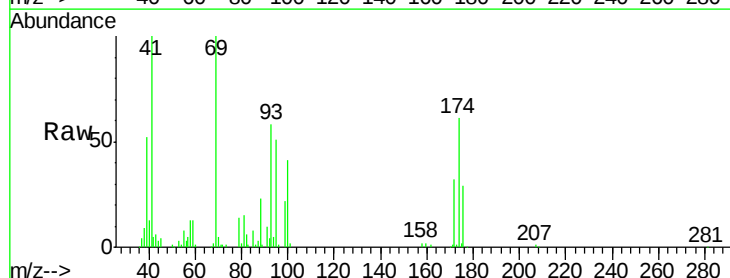
Tgt Ion: 41 Resp: 35013

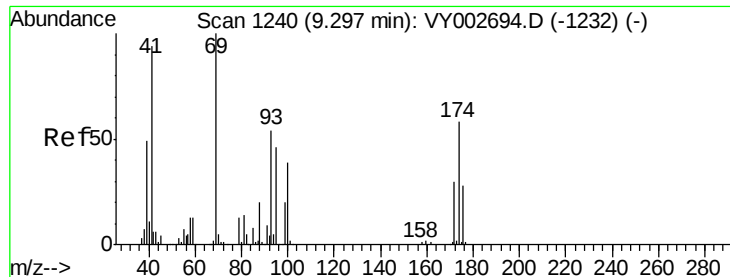
Ion Ratio Lower Upper

41 100

69 97.8 78.7 118.1

39 51.6 42.9 64.3

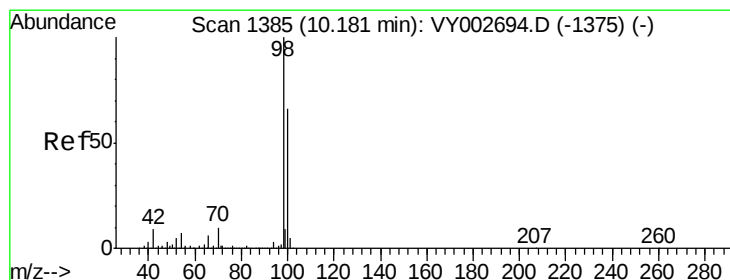
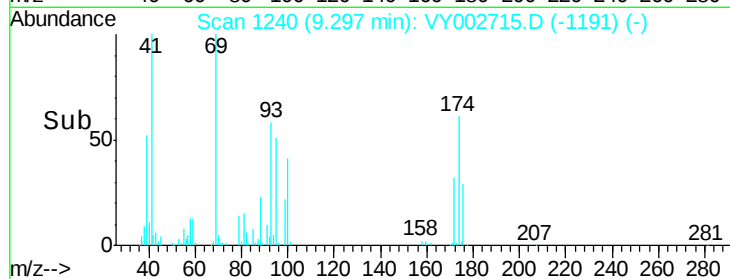
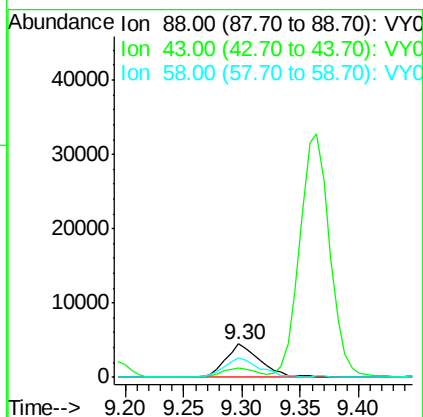
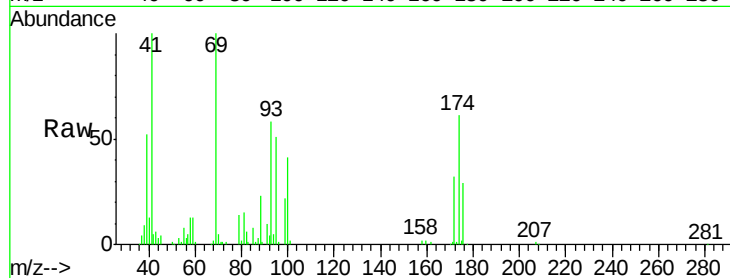




#49
1,4-Dioxane
Concen: 376.777 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VY002715.D
Acq: 19 May 2020 11:34

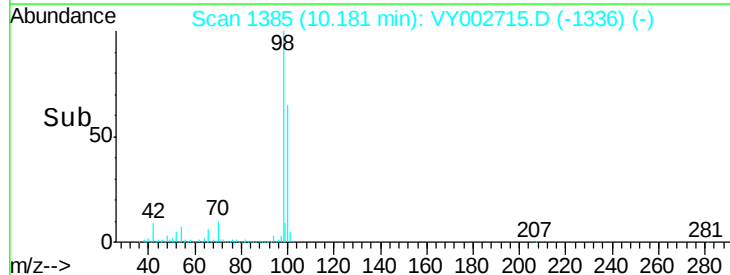
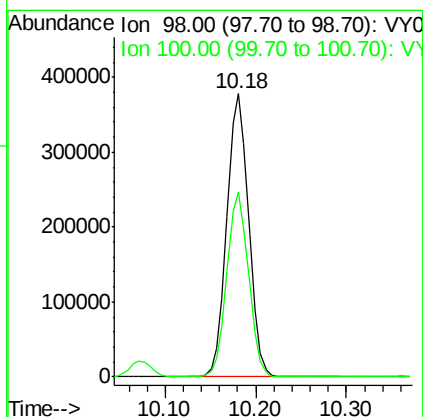
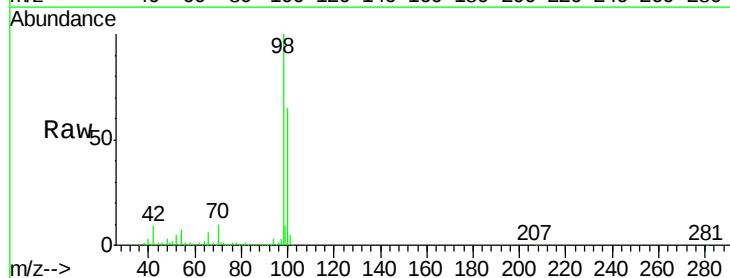
Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBS01

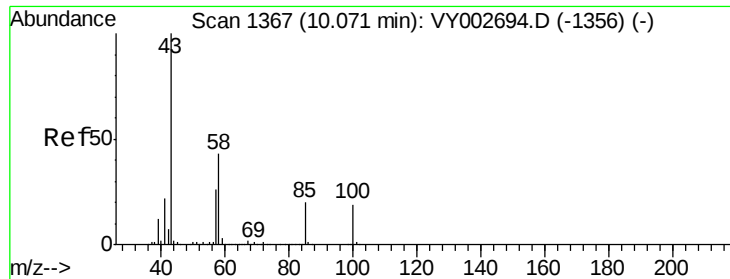
Tot Ion: 88 Resp: 9288
Ion Ratio Lower Upper
88 100
43 28.6 23.4 35.0
58 60.0 54.5 81.7



#50
Toluene-d8
Concen: 51.646 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY002715.D
Acq: 19 May 2020 11:34

Tgt Ion: 98 Resp: 630616
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5

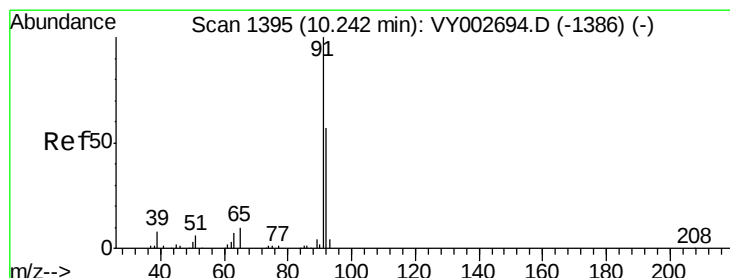
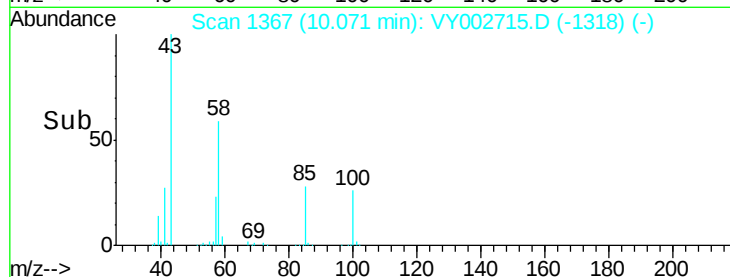
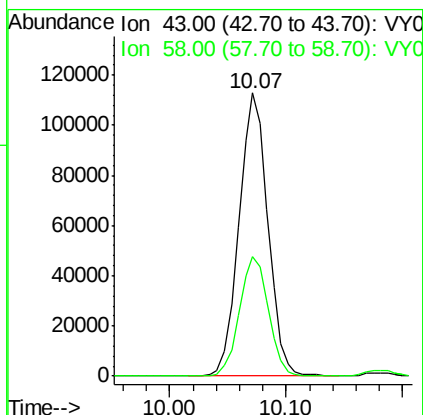
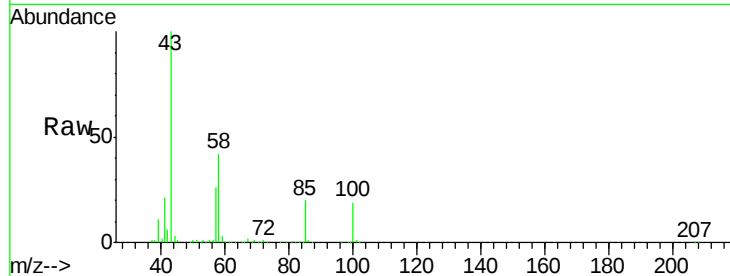




#51
 4-Methyl-2-Pentanone
 Concen: 88.939 ug/l
 RT: 10.07 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VY002715.D
 Acq: 19 May 2020 11:34

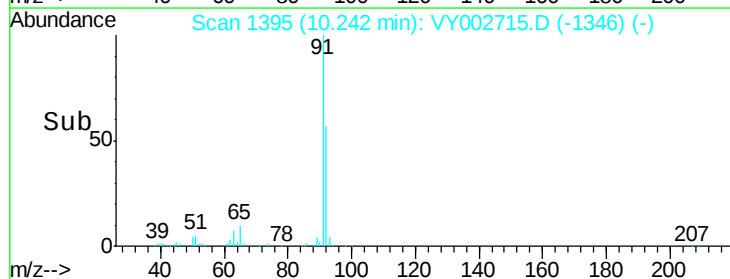
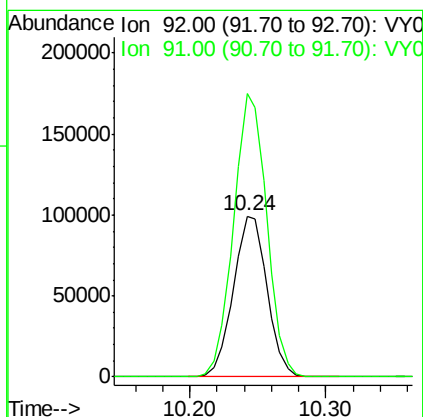
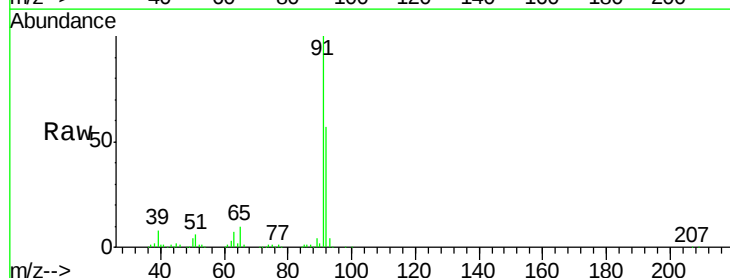
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBS01

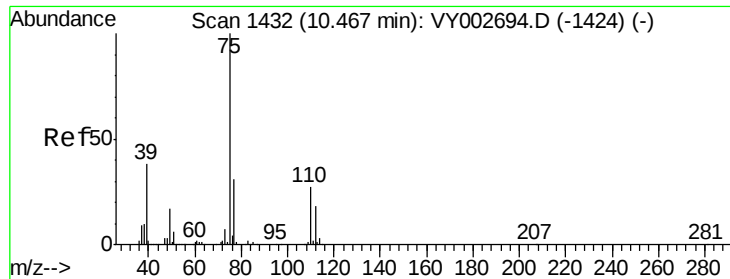
Tot Ion: 43 Resp: 195263
 Ion Ratio Lower Upper
 43 100
 58 42.4 34.1 51.1



#52
 Toluene
 Concen: 19.460 ug/l
 RT: 10.24 min Scan# 1395
 Delta R.T. 0.00 min
 Lab File: VY002715.D
 Acq: 19 May 2020 11:34

Tgt Ion: 92 Resp: 170940
 Ion Ratio Lower Upper
 92 100
 91 173.9 138.8 208.2





#53

t-1,3-Dichloropropene

Concen: 18.768 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

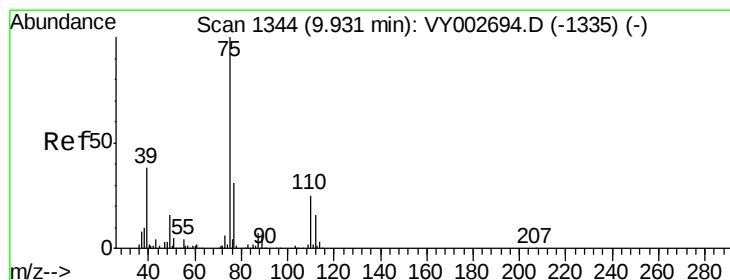
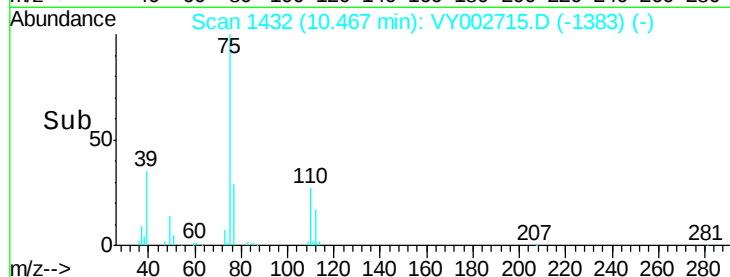
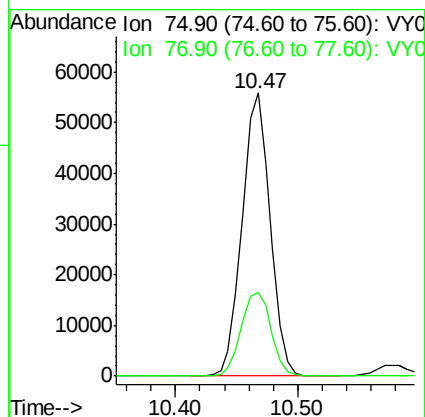
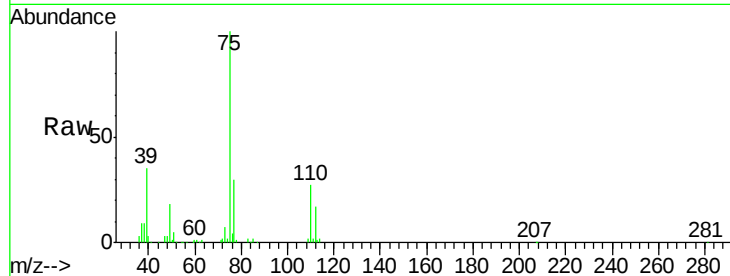
VY0519SBS01

Tot Ion: 75 Resp: 88486

Ion Ratio Lower Upper

75 100

77 29.5 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 19.454 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

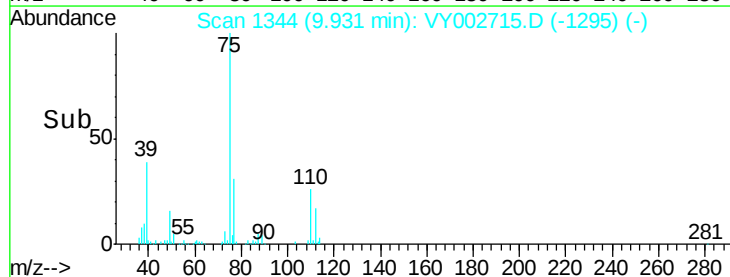
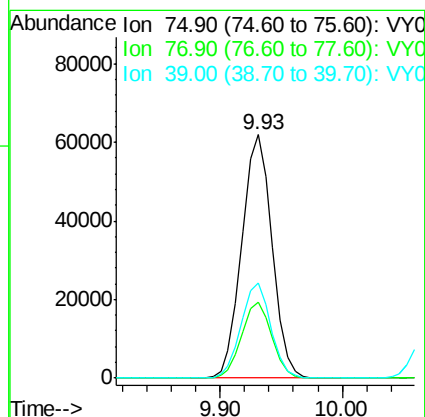
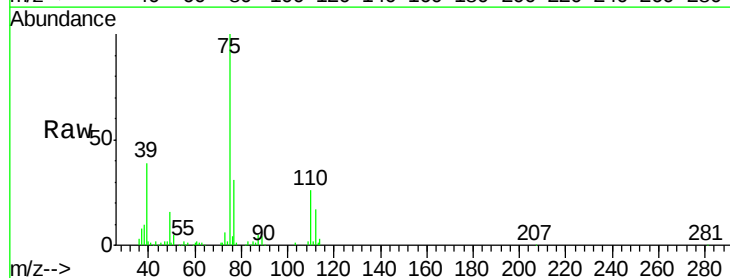
Tgt Ion: 75 Resp: 106334

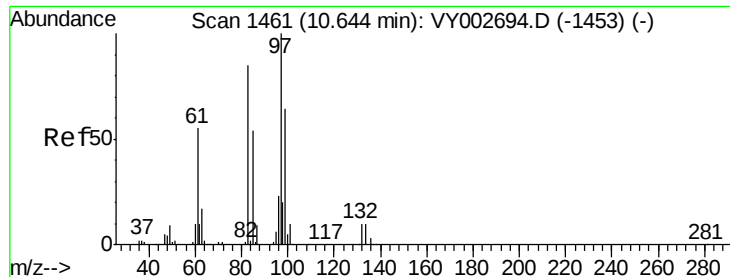
Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2

39 38.9 30.7 46.1

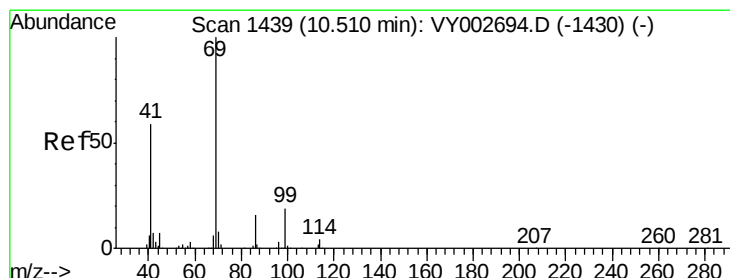
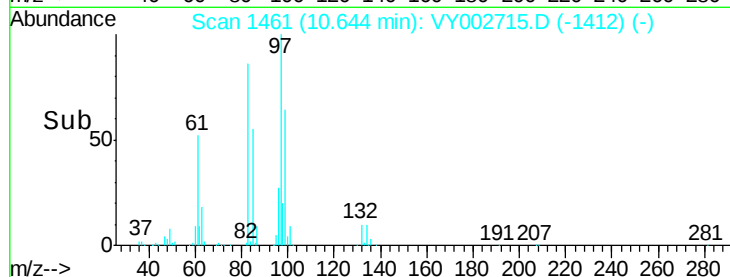
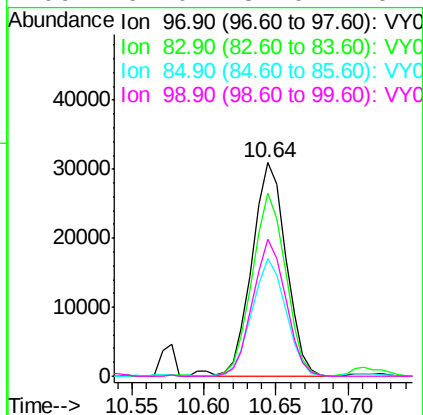
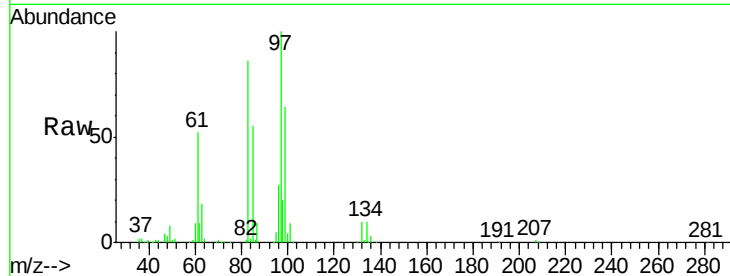




#55
 1,1,2-Trichloroethane
 Concen: 19.010 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY002715.D
 Acq: 19 May 2020 11:34

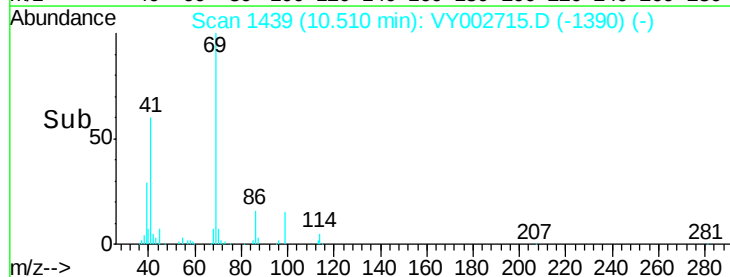
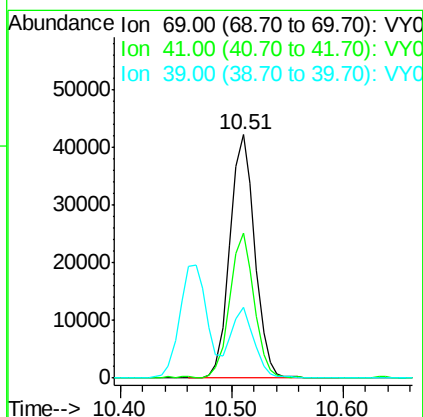
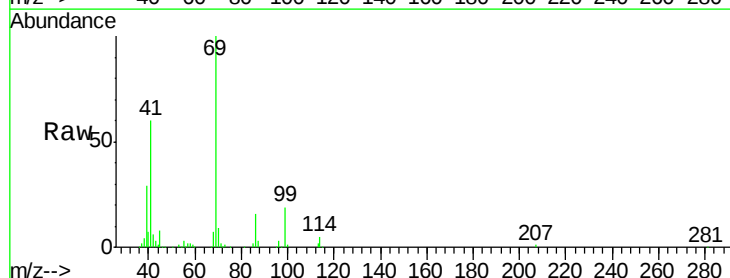
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBS01

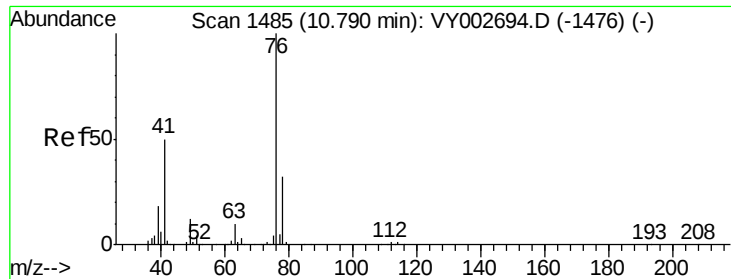
Tot Ion: 97 Resp: 51224
 Ion Ratio Lower Upper
 97 100
 83 85.4 68.1 102.1
 85 54.9 43.1 64.7
 99 64.0 51.0 76.4



#56
 Ethyl methacrylate
 Concen: 18.197 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY002715.D
 Acq: 19 May 2020 11:34

Tgt Ion: 69 Resp: 65279
 Ion Ratio Lower Upper
 69 100
 41 57.8 48.0 72.0
 39 26.4 22.1 33.1





#57

1,3-Dichloropropane

Concen: 18.748 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

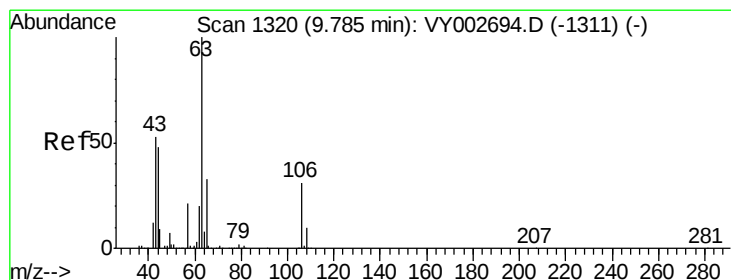
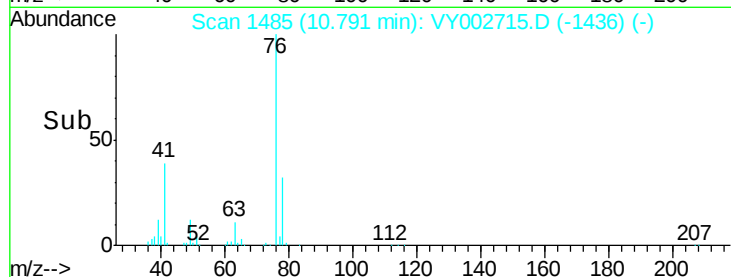
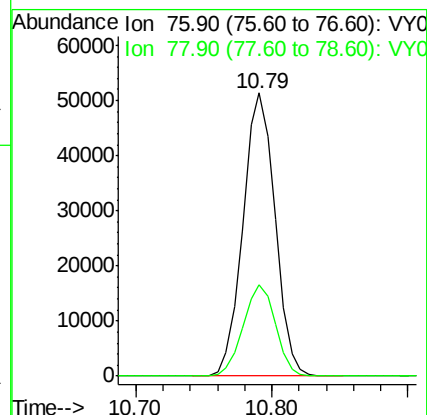
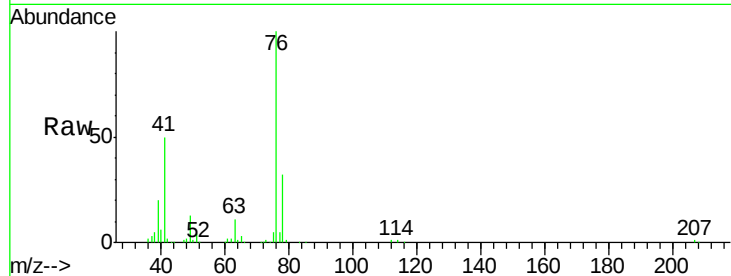
VY0519SBS01

Tot Ion: 76 Resp: 84657

Ion Ratio Lower Upper

76 100

78 32.5 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 90.465 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY002715.D

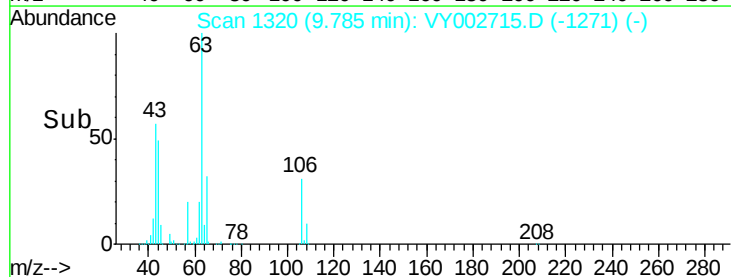
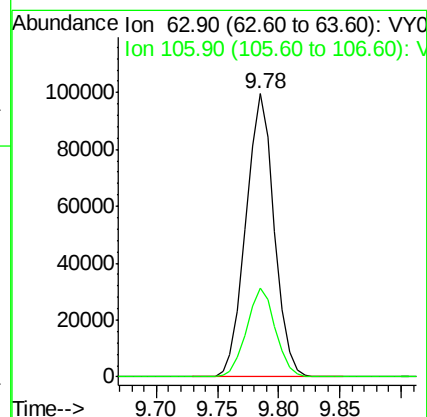
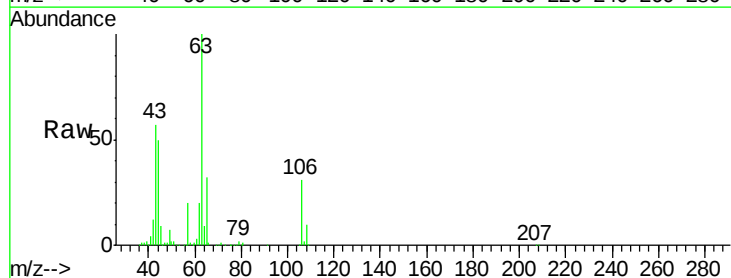
Acq: 19 May 2020 11:34

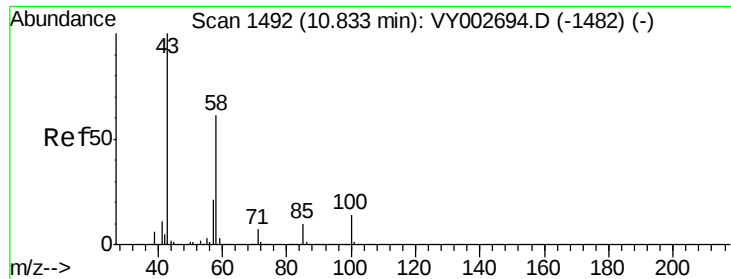
Tgt Ion: 63 Resp: 160211

Ion Ratio Lower Upper

63 100

106 31.6 25.1 37.7

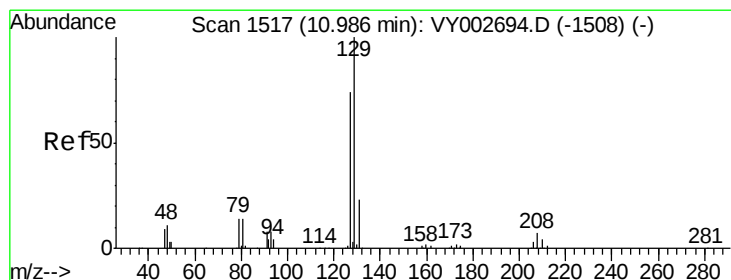
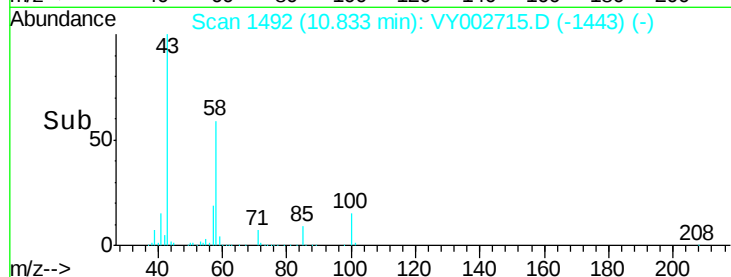
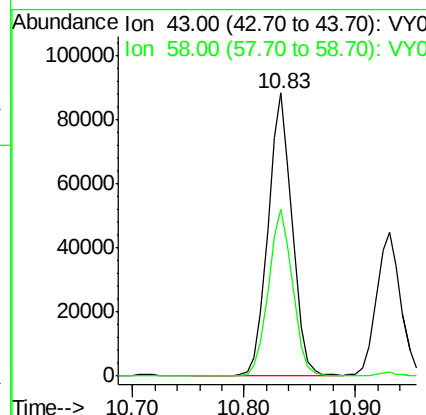
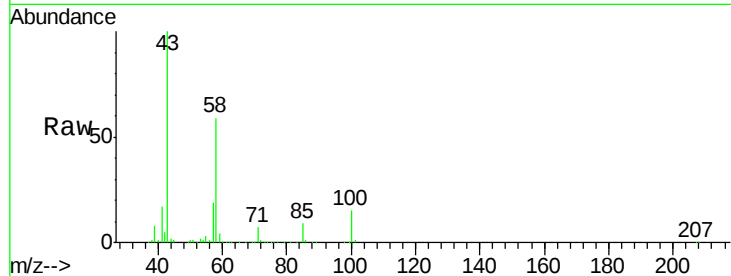




#59
2-Hexanone
Concen: 86.936 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY002715.D
Acq: 19 May 2020 11:34

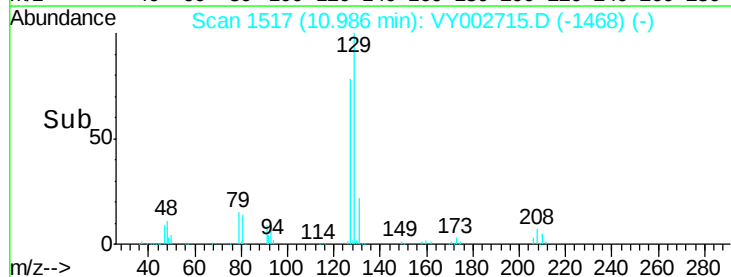
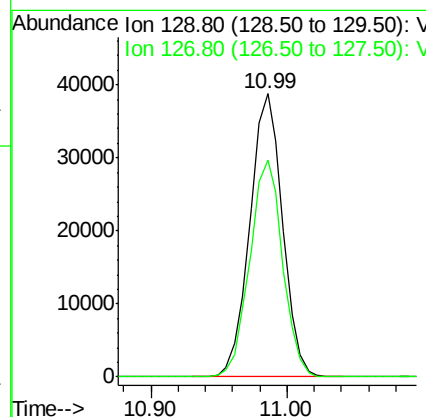
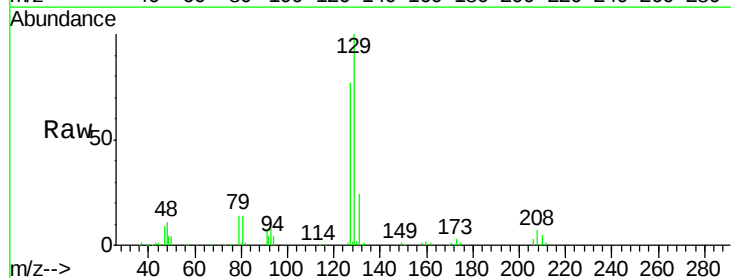
Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBS01

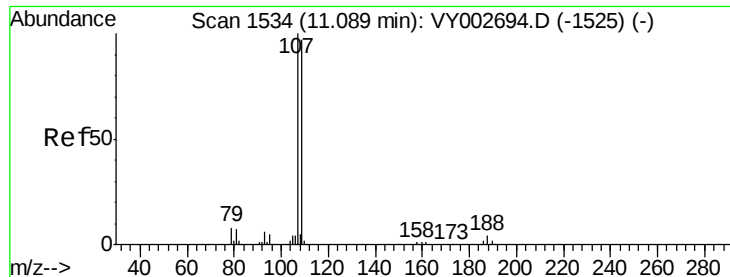
Tot Ion: 43 Resp: 132976
Ion Ratio Lower Upper
43 100
58 59.3 29.8 89.4



#60
Dibromochloromethane
Concen: 18.952 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY002715.D
Acq: 19 May 2020 11:34

Tgt Ion: 129 Resp: 65241
Ion Ratio Lower Upper
129 100
127 76.8 38.5 115.3

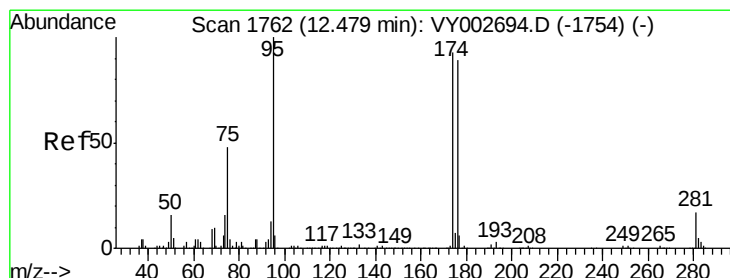
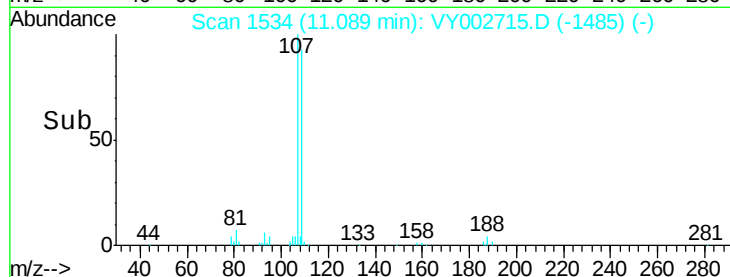
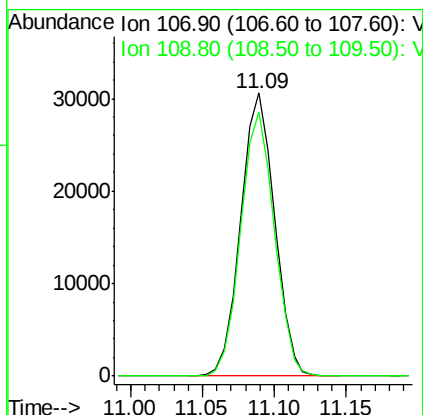
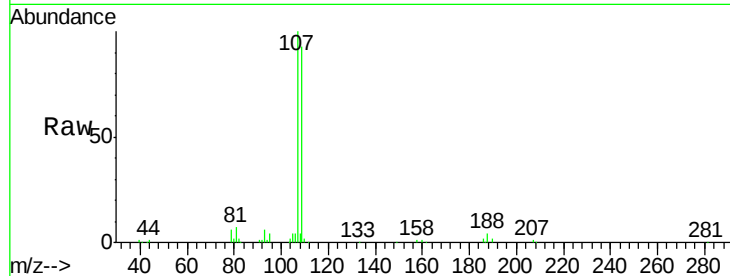




#61
 1,2-Dibromoethane
 Concen: 18.796 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY002715.D
 Acq: 19 May 2020 11:34

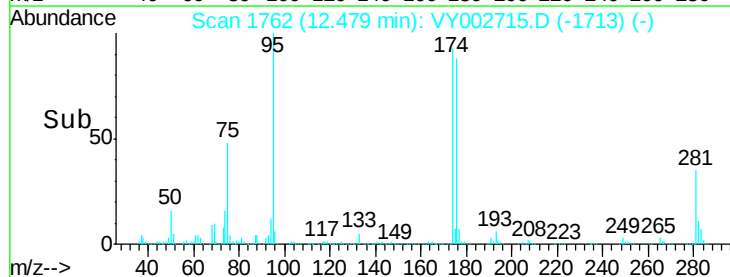
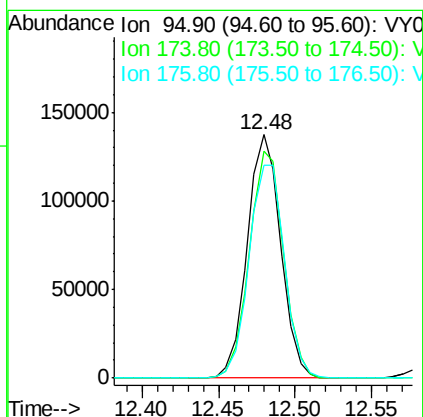
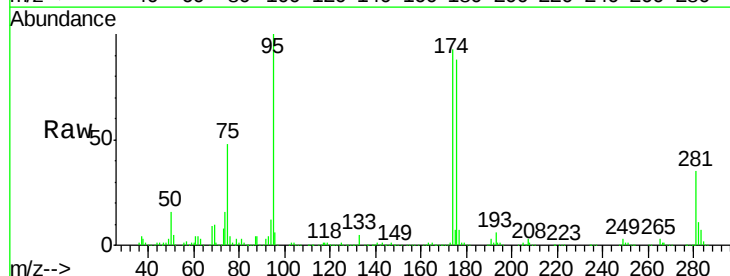
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBS01

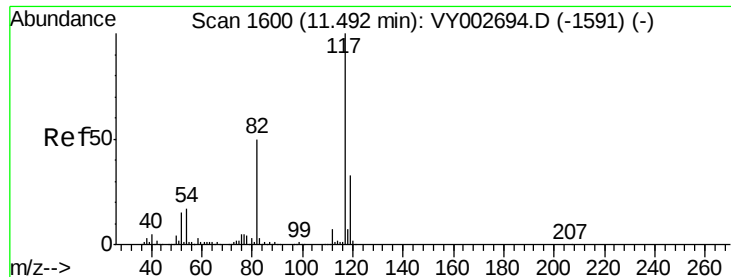
Tot Ion: 107 Resp: 49901
 Ion Ratio Lower Upper
 107 100
 109 92.8 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 49.726 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY002715.D
 Acq: 19 May 2020 11:34

Tgt Ion: 95 Resp: 208684
 Ion Ratio Lower Upper
 95 100
 174 95.4 0.0 191.4
 176 93.0 0.0 186.0

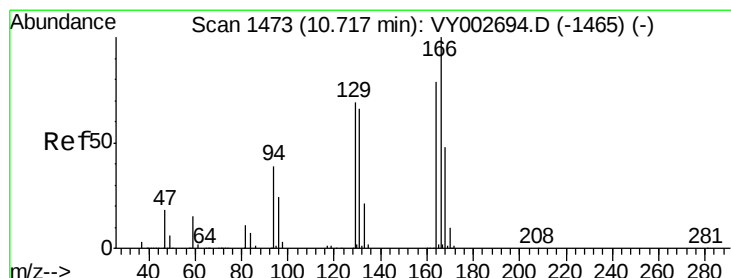
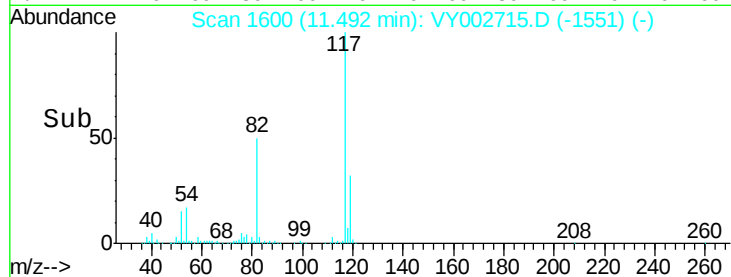
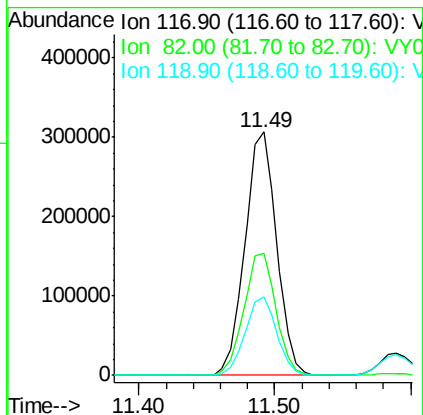
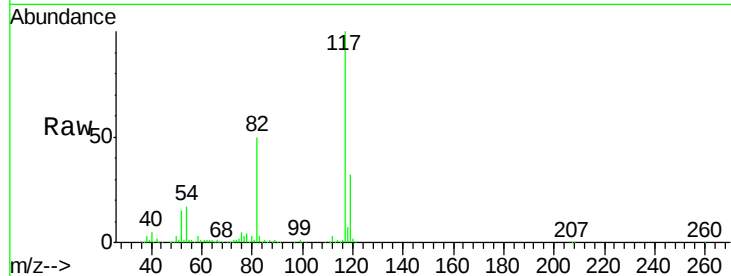




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002715.D
Acq: 19 May 2020 11:34

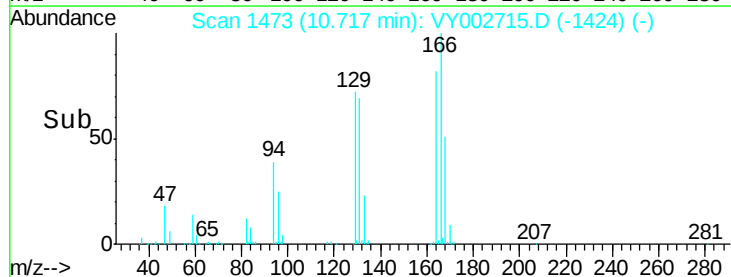
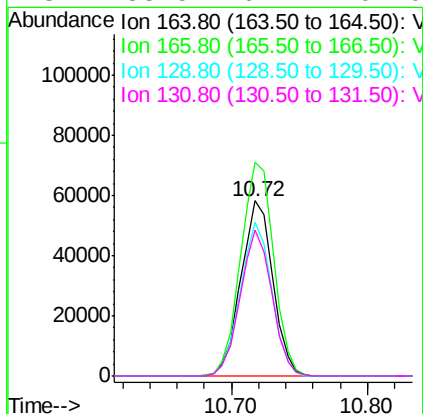
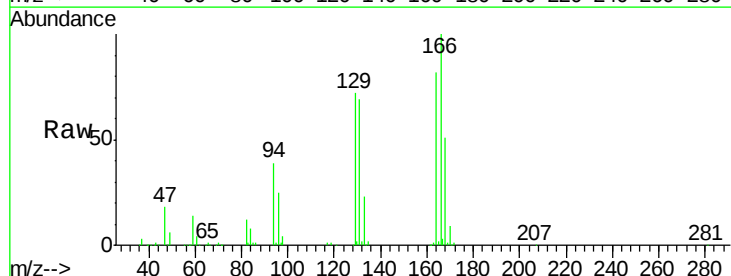
Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBS01

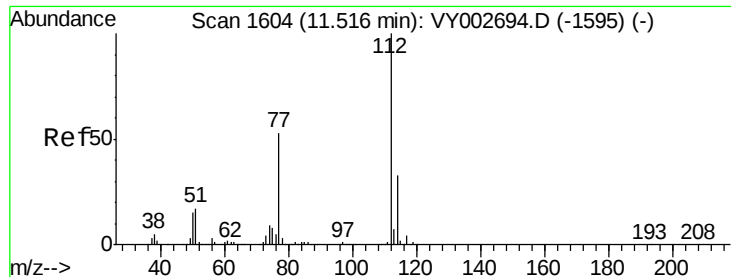
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.1	40.3	60.5
119	32.1	26.2	39.4



#64
Tetrachloroethene
Concen: 20.192 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY002715.D
Acq: 19 May 2020 11:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.8	101.6	152.4
129	87.3	70.2	105.4
131	83.5	67.4	101.0





#65

Chlorobenzene

Concen: 19.553 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

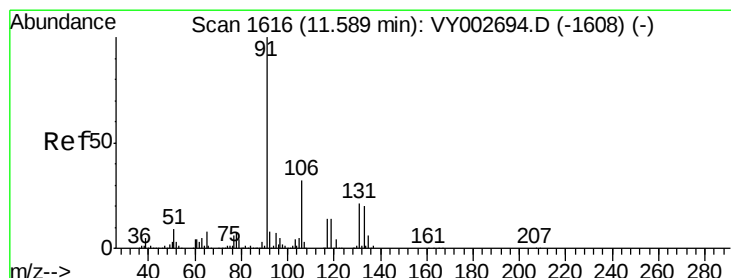
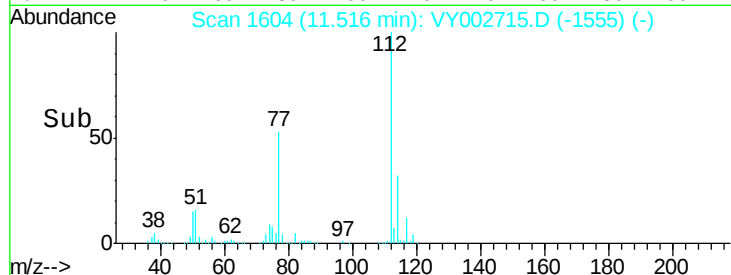
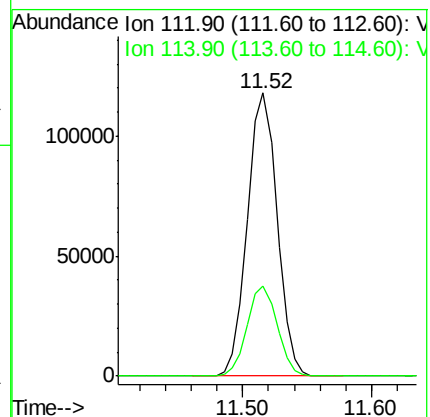
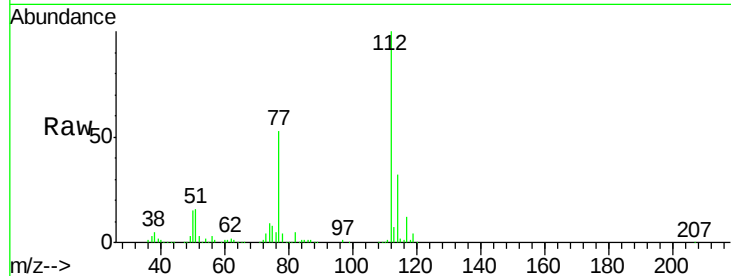
VY0519SBS01

Tot Ion:112 Resp: 188246

Ion Ratio Lower Upper

112 100

114 31.9 26.1 39.1



#66

1,1,1,2-Tetrachloroethane

Concen: 19.563 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

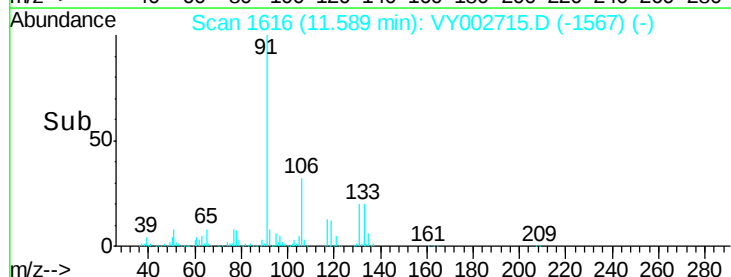
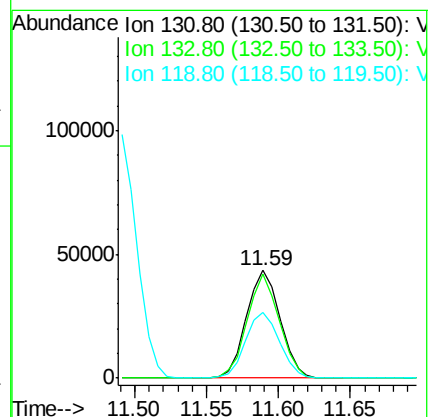
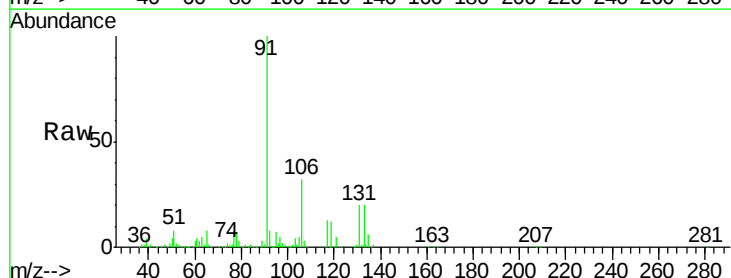
Tgt Ion:131 Resp: 69902

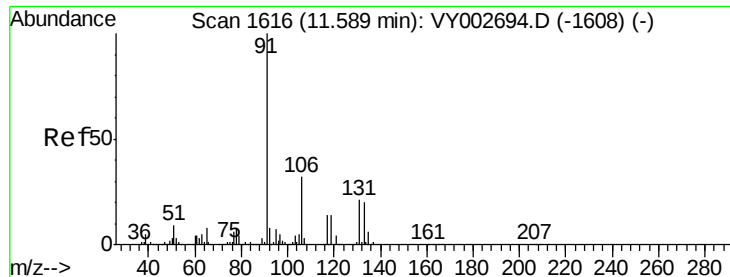
Ion Ratio Lower Upper

131 100

133 93.4 47.4 142.3

119 62.2 31.6 94.8





#67

Ethyl Benzene

Concen: 19.841 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

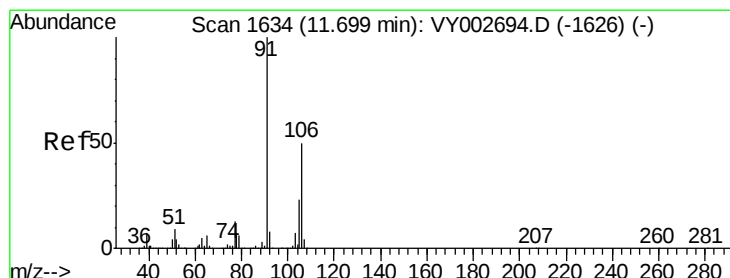
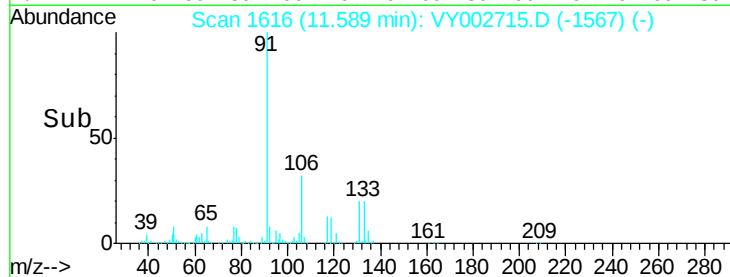
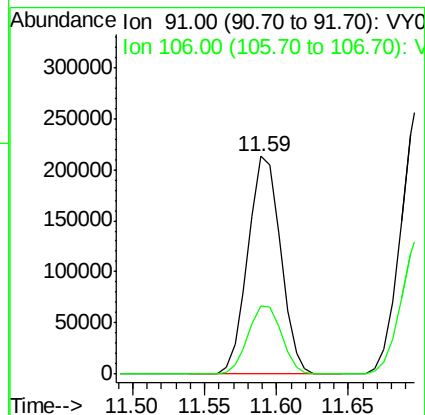
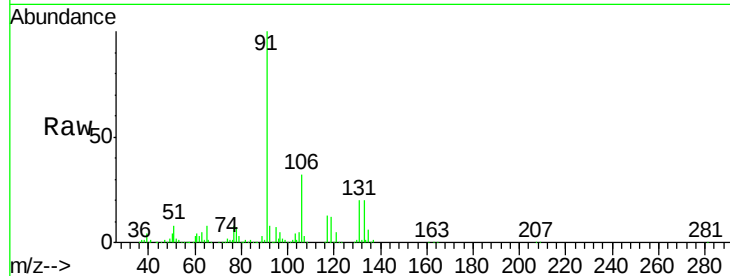
VY0519SBS01

Tot Ion: 91 Resp: 335391

Ion Ratio Lower Upper

91 100

106 31.6 26.0 39.0



#68

m/p-Xylenes

Concen: 39.553 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY002715.D

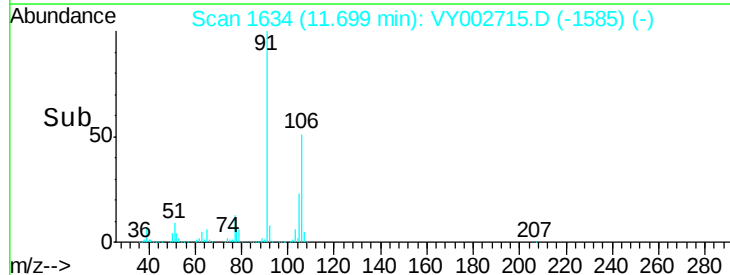
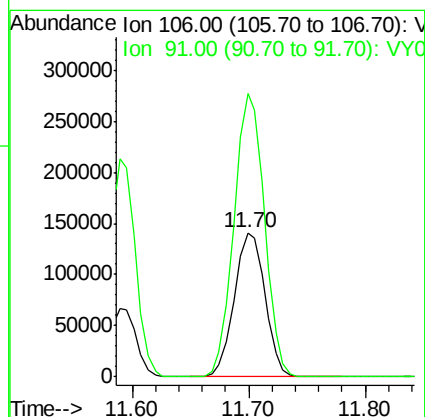
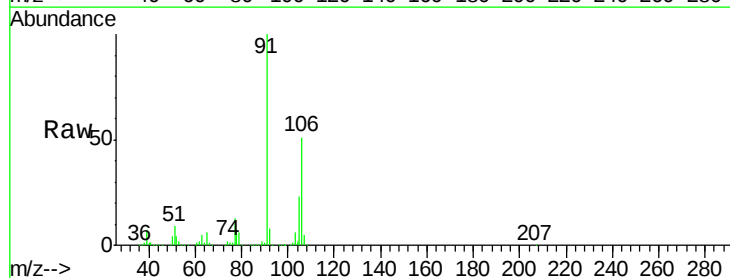
Acq: 19 May 2020 11:34

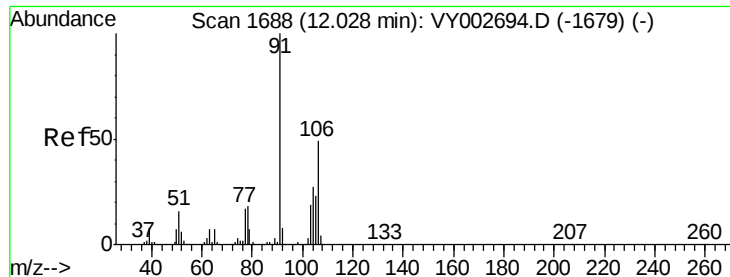
Tgt Ion: 106 Resp: 260123

Ion Ratio Lower Upper

106 100

91 193.8 156.2 234.4

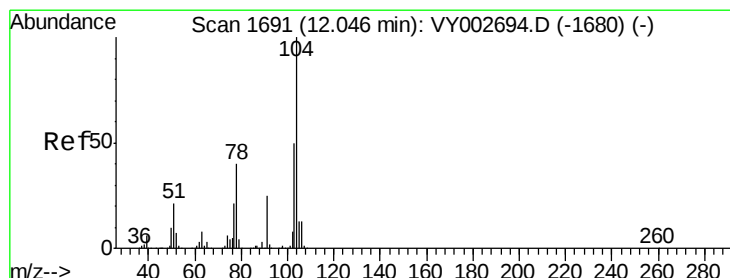
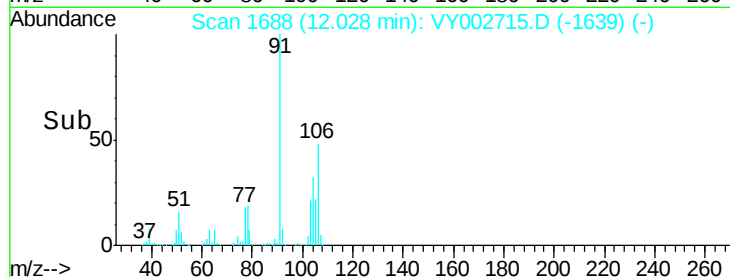
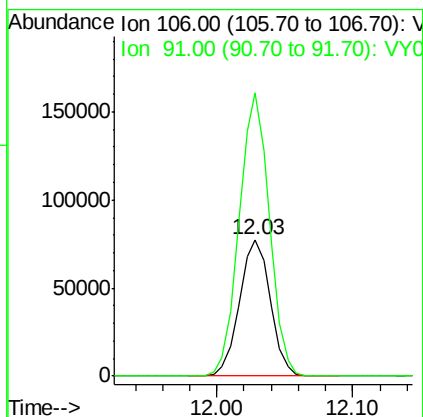
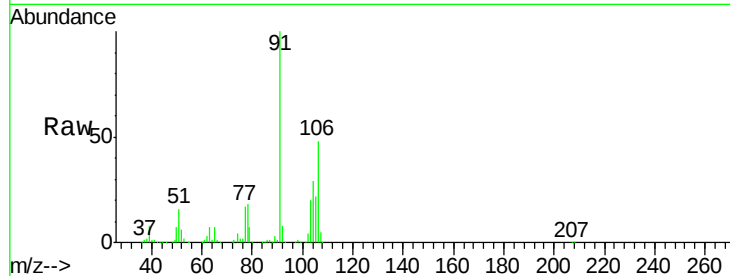




#69
o-Xylene
Concen: 19.763 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY002715.D
Acq: 19 May 2020 11:34

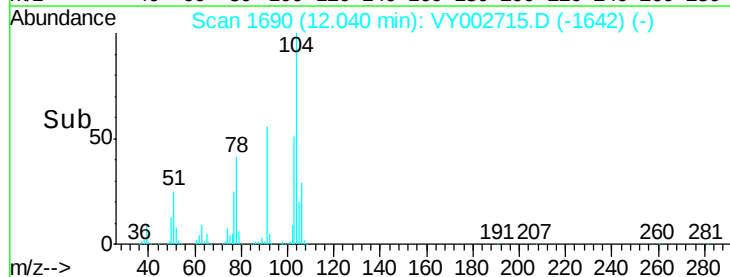
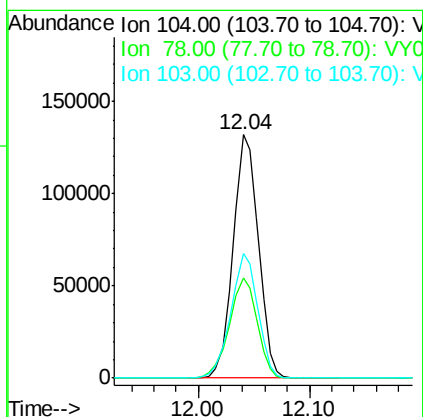
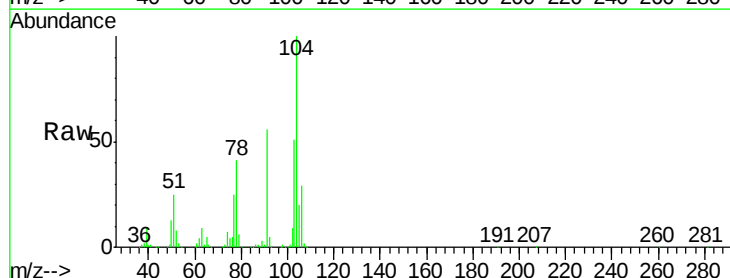
Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBS01

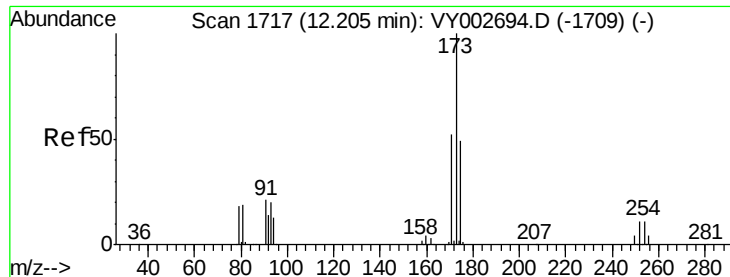
Tot Ion:106 Resp: 121988
Ion Ratio Lower Upper
106 100
91 203.6 103.5 310.3



#70
Styrene
Concen: 19.498 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.01 min
Lab File: VY002715.D
Acq: 19 May 2020 11:34

Tgt Ion:104 Resp: 206633
Ion Ratio Lower Upper
104 100
78 45.4 36.6 54.8
103 54.8 44.1 66.1

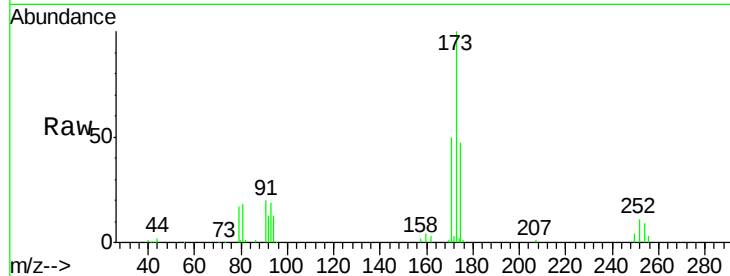




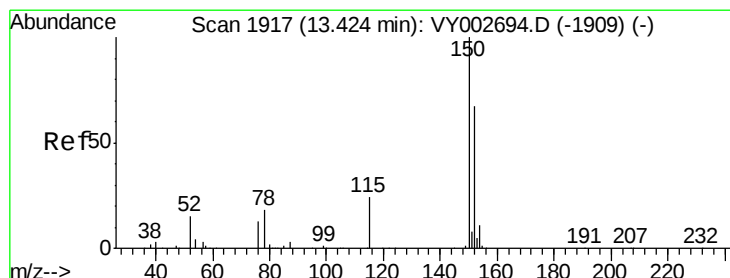
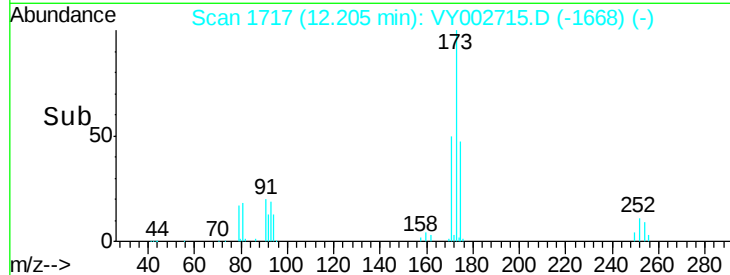
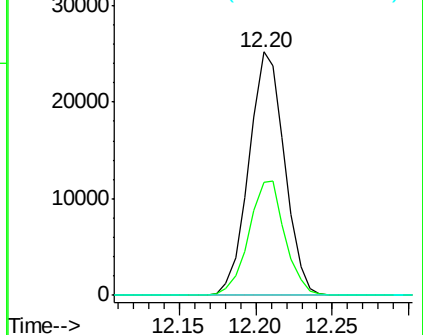
#71
Bromoform
Concen: 18.446 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VY002715.D
Acq: 19 May 2020 11:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBS01

Tot Ion:173 Resp: 40742
Ion Ratio Lower Upper
173 100
175 47.7 24.1 72.4
254 0.0 0.1 0.1#

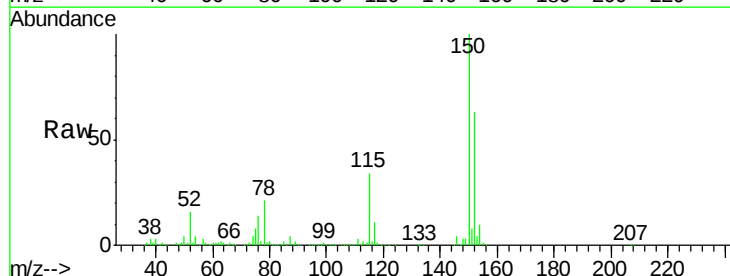


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

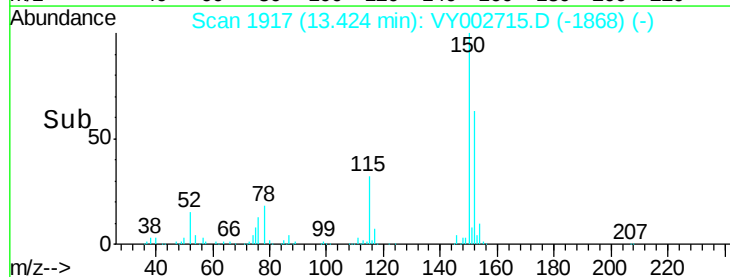
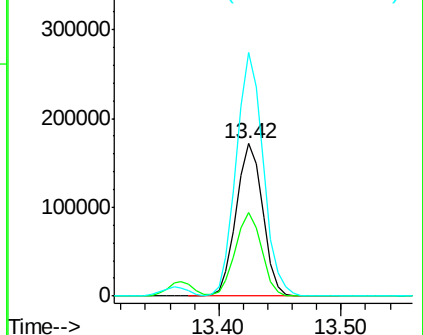


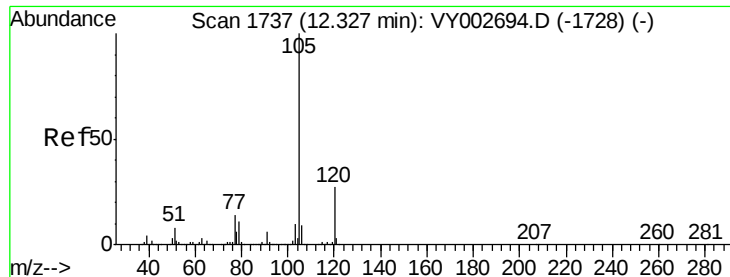
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY002715.D
Acq: 19 May 2020 11:34

Tgt Ion:152 Resp: 256874
Ion Ratio Lower Upper
152 100
115 54.3 27.2 81.6
150 163.3 0.0 343.8



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





#73

Isopropylbenzene

Concen: 19.974 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

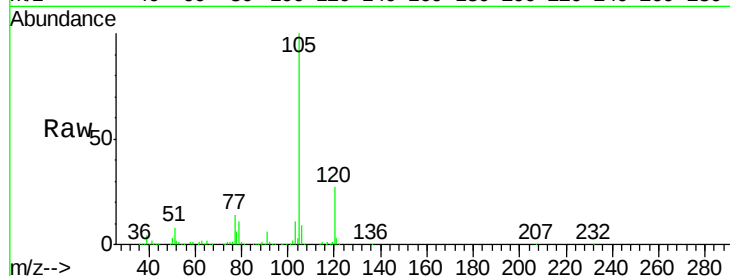
VY0519SBS01

Tot Ion: 105 Resp: 335263

Ion Ratio Lower Upper

105 100

120 27.3 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

250000

200000

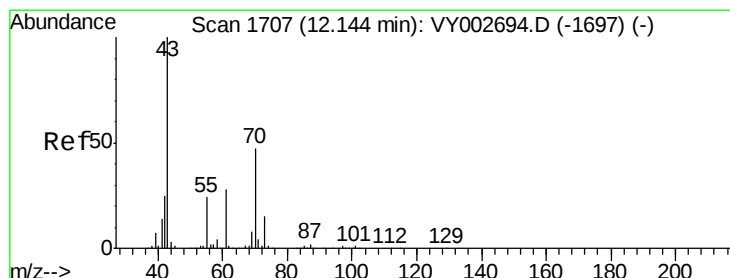
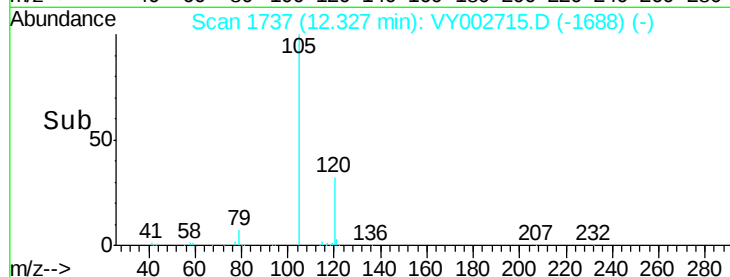
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 18.351 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

Tgt Ion: 43 Resp: 72280

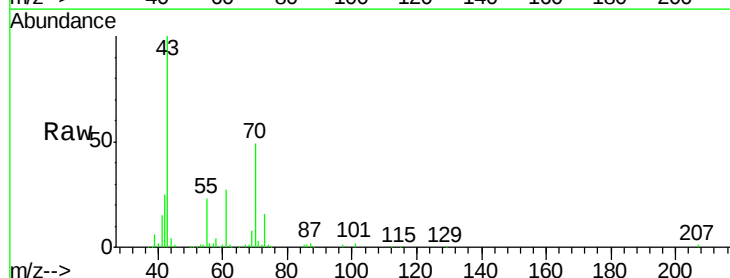
Ion Ratio Lower Upper

43 100

70 46.6 37.7 56.5

55 24.3 19.4 29.0

61 26.3 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

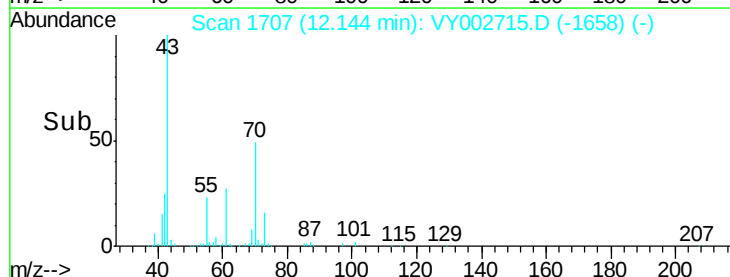
60000

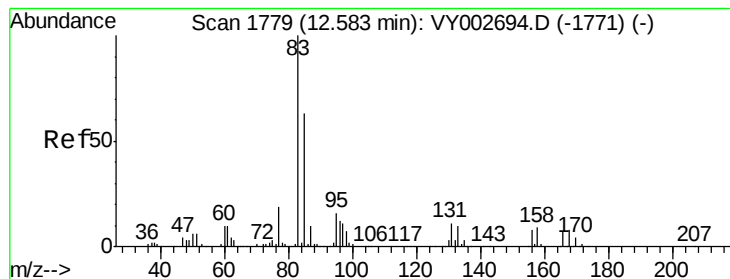
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 17.846 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0519SBS01

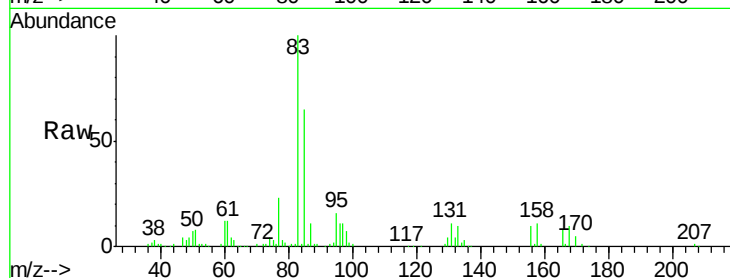
Tot Ion: 83 Resp: 44109

Ion Ratio Lower Upper

83 100

131 11.5 5.8 17.3

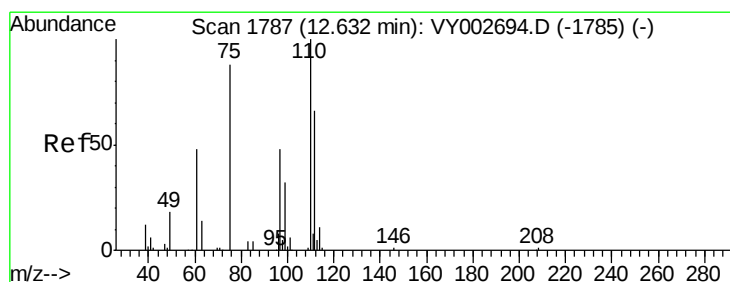
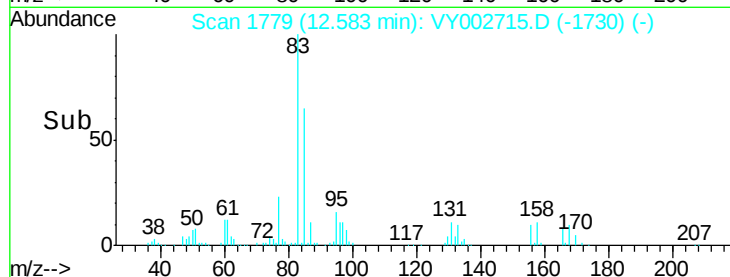
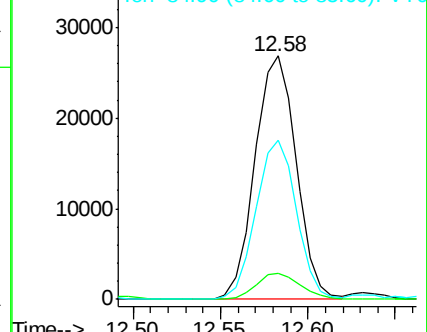
85 64.2 31.9 95.9



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: 17.908 ug/l m

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY002715.D

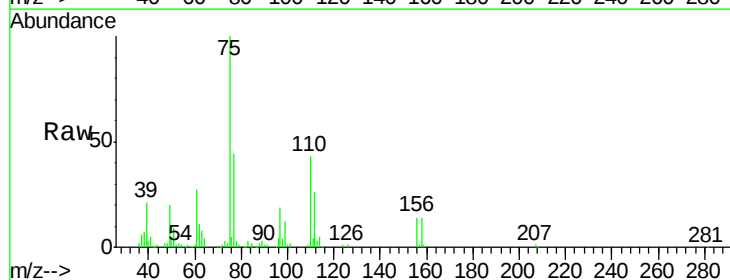
Acq: 19 May 2020 11:34

Tgt Ion: 75 Resp: 37788

Ion Ratio Lower Upper

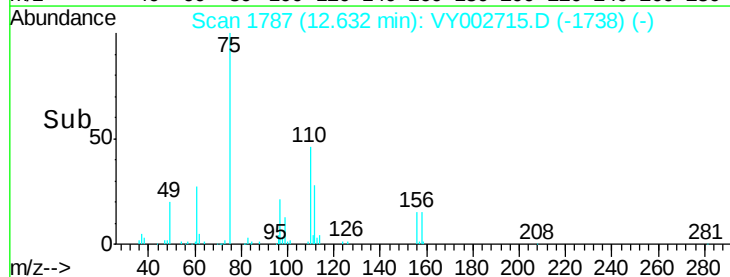
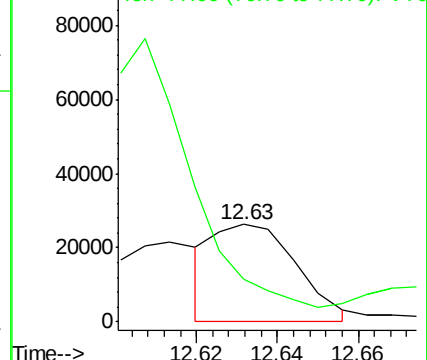
75 100

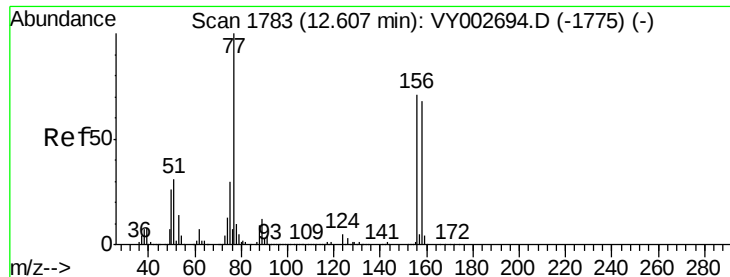
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 19.433 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0519SBS01

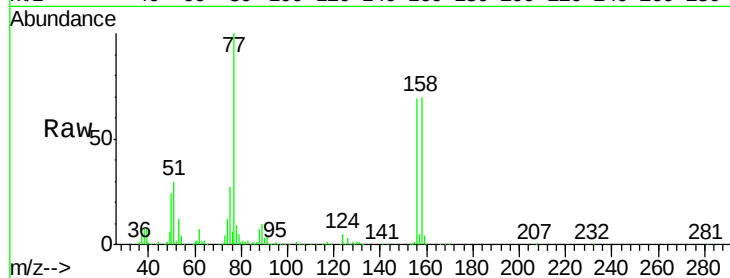
Tot Ion:156 Resp: 81548

Ion Ratio Lower Upper

156 100

77 160.3 80.8 242.3

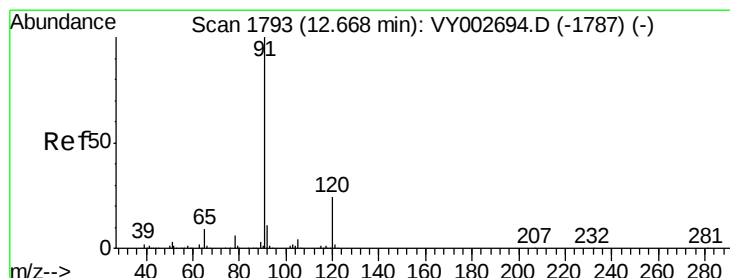
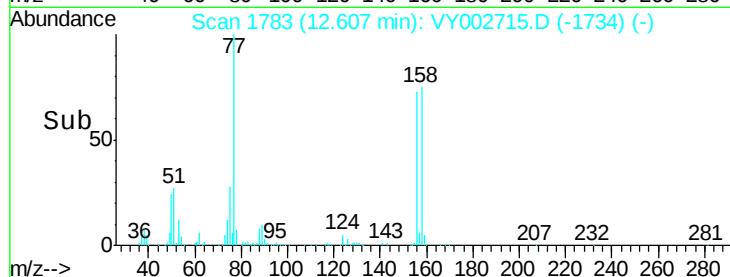
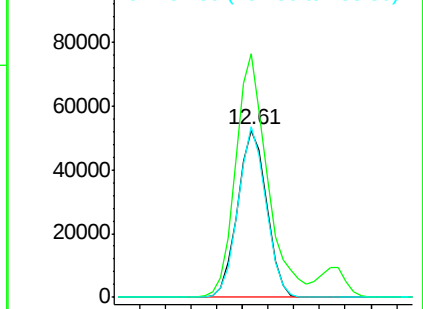
158 98.0 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.877 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY002715.D

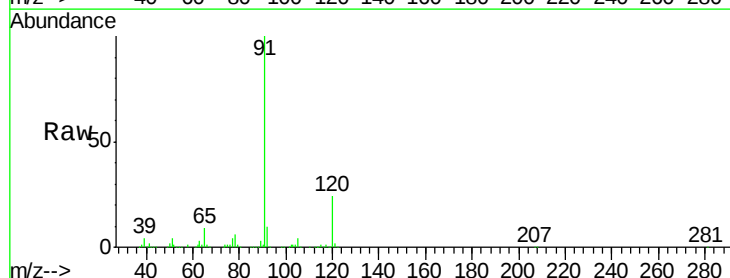
Acq: 19 May 2020 11:34

Tgt Ion: 91 Resp: 388116

Ion Ratio Lower Upper

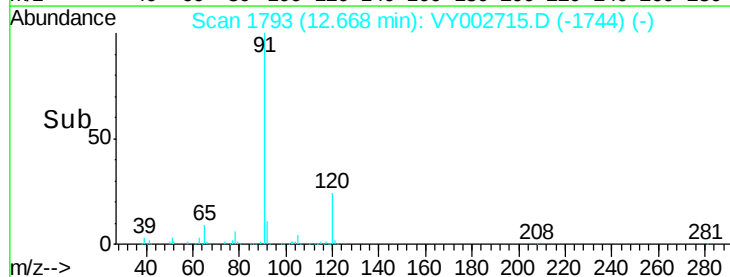
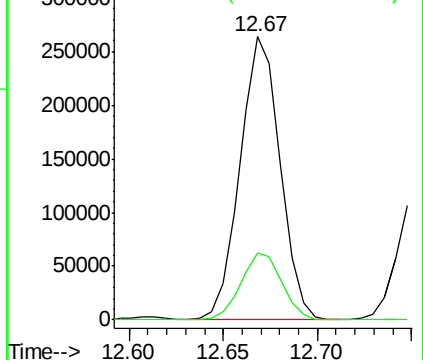
91 100

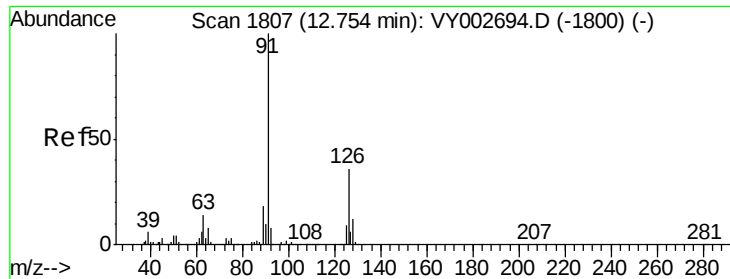
120 24.3 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

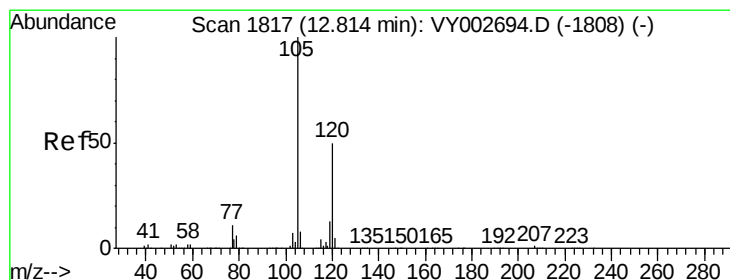
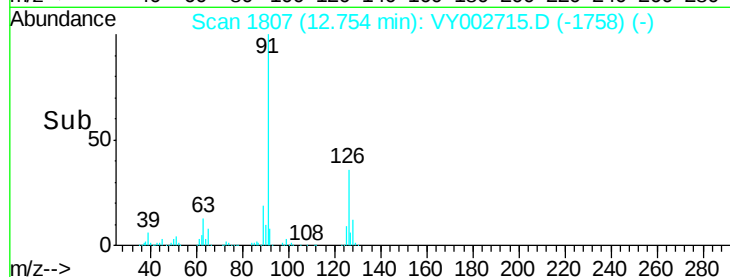
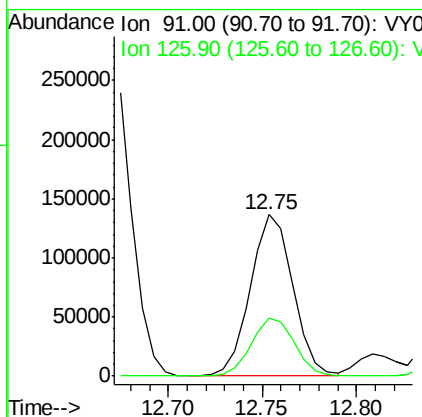
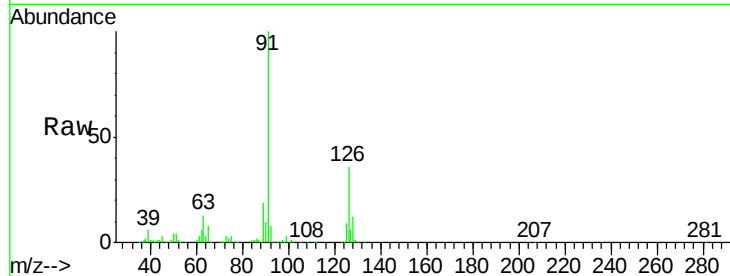




#79
 2-Chlorotoluene
 Concen: 19.680 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VY002715.D
 Acq: 19 May 2020 11:34

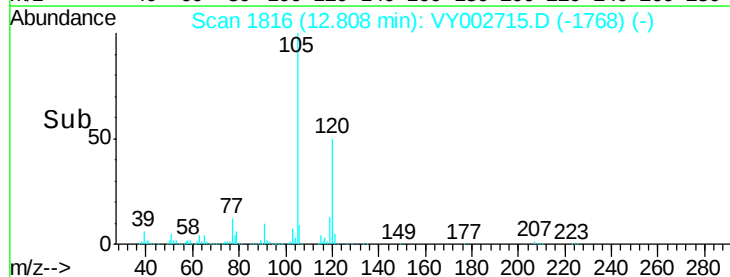
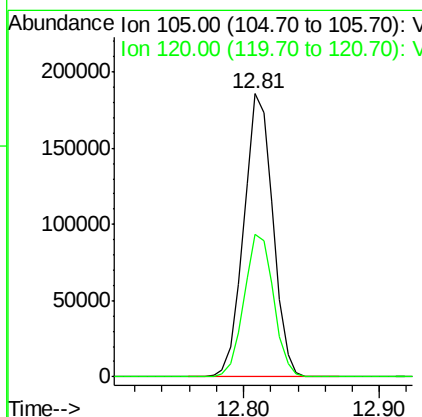
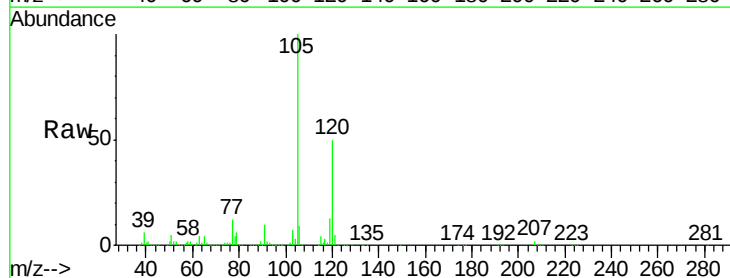
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBS01

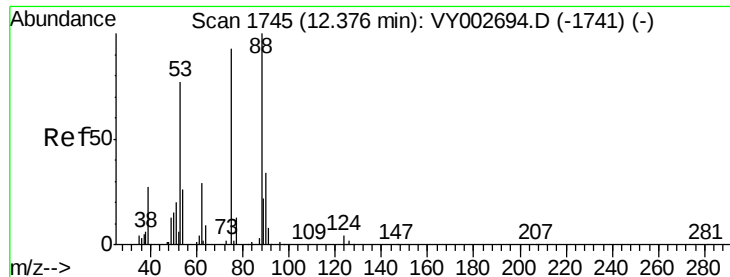
Tot Ion: 91 Resp: 213128
 Ion Ratio Lower Upper
 91 100
 126 36.7 18.4 55.0



#80
 1,3,5-Trimethylbenzene
 Concen: 19.623 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.01 min
 Lab File: VY002715.D
 Acq: 19 May 2020 11:34

Tgt Ion: 105 Resp: 276743
 Ion Ratio Lower Upper
 105 100
 120 51.2 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.767 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0519SBS01

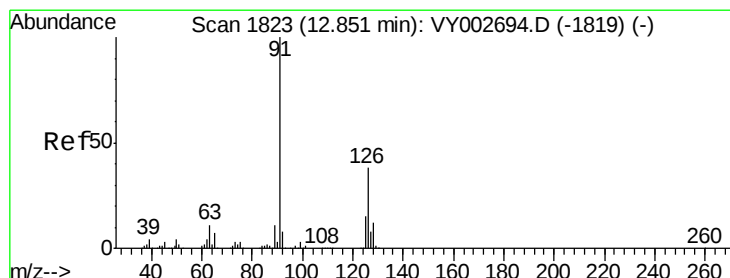
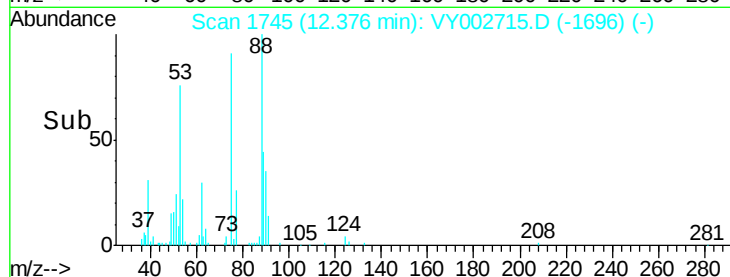
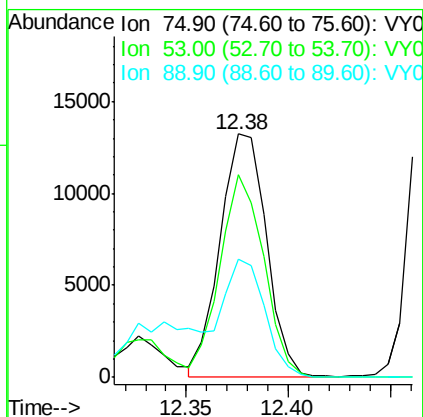
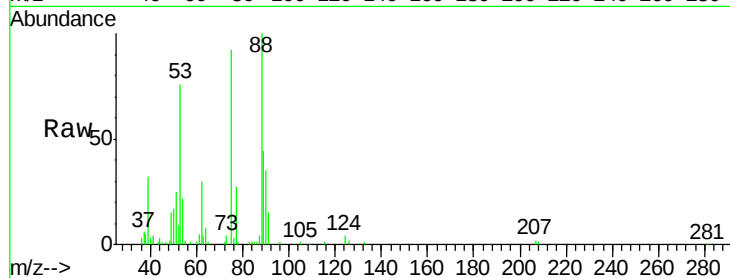
Tot Ion: 75 Resp: 20939

Ion Ratio Lower Upper

75 100

53 78.5 65.0 97.6

89 45.0 66.6 99.8#



#82

4-Chlorotoluene

Concen: 19.652 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VY002715.D

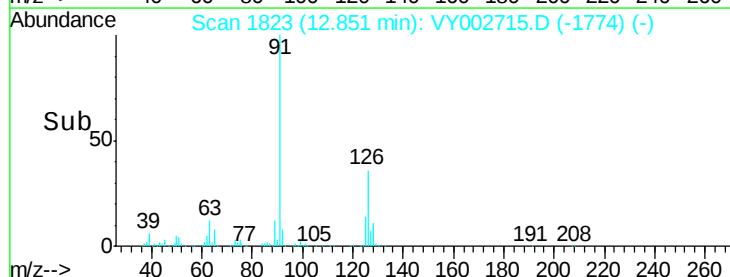
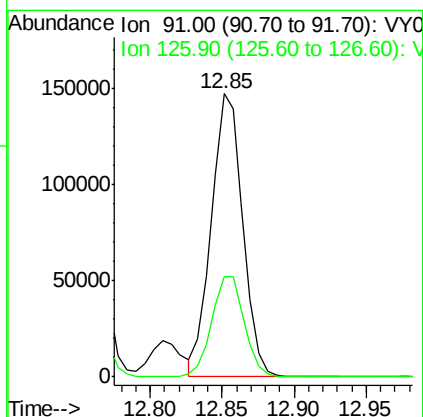
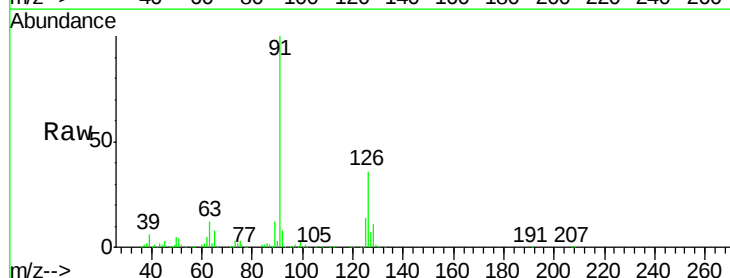
Acq: 19 May 2020 11:34

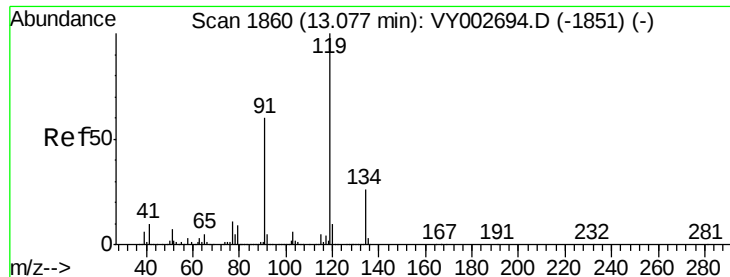
Tgt Ion: 91 Resp: 222937

Ion Ratio Lower Upper

91 100

126 37.0 18.6 56.0





#83

tert-Butylbenzene

Concen: 19.732 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0519SBS01

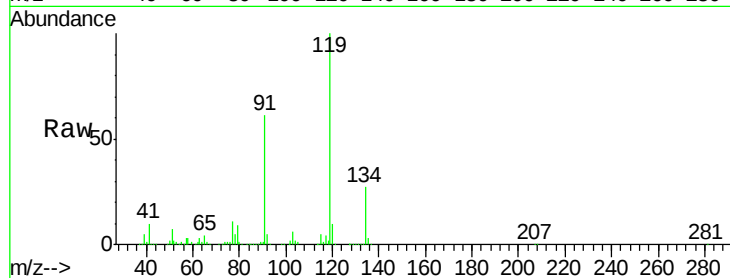
Tot Ion:119 Resp: 246286

Ion Ratio Lower Upper

119 100

91 60.2 30.4 91.2

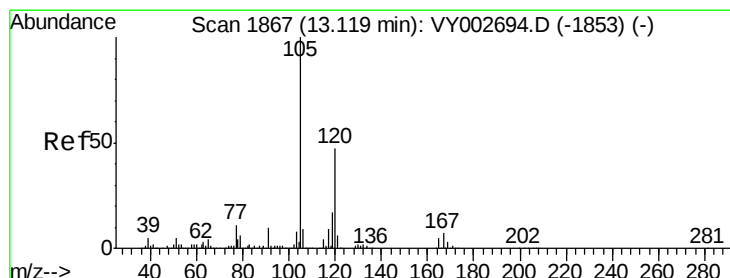
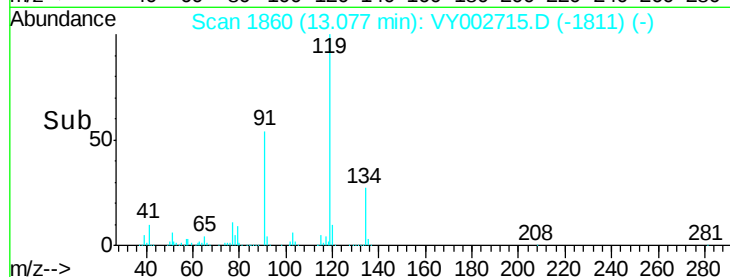
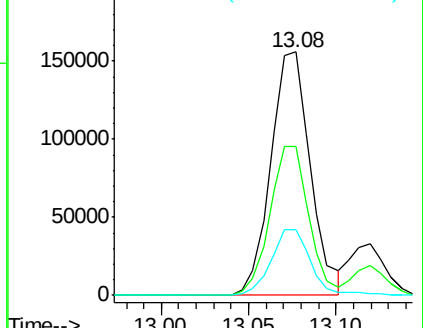
134 27.0 13.4 40.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VY0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.640 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY002715.D

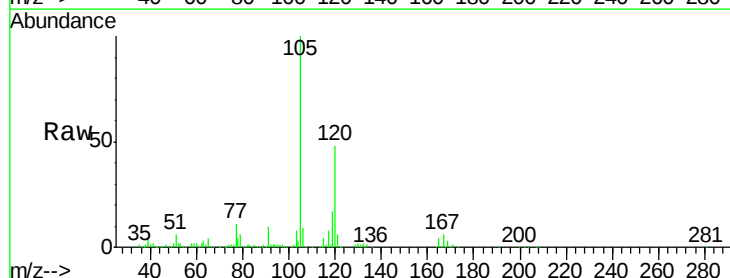
Acq: 19 May 2020 11:34

Tgt Ion:105 Resp: 276828

Ion Ratio Lower Upper

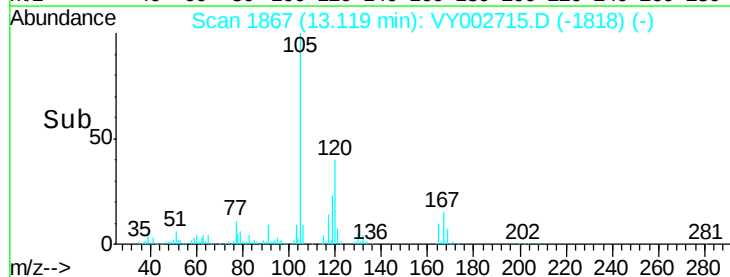
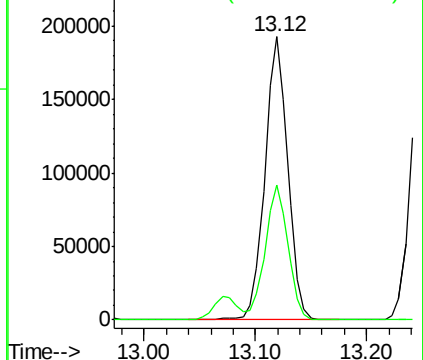
105 100

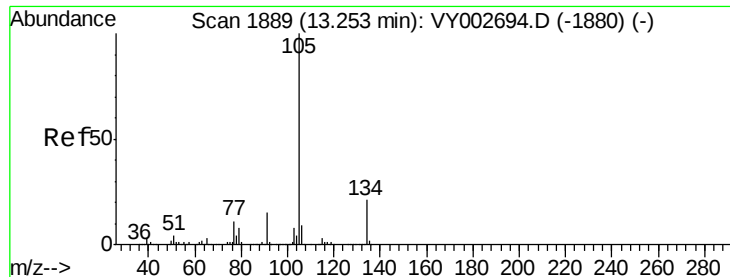
120 47.9 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.875 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

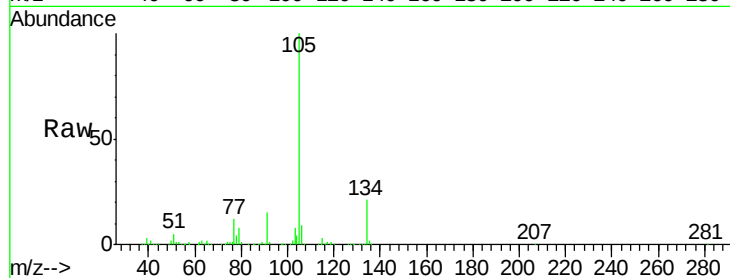
VY0519SBS01

Tot Ion:105 Resp: 342319

Ion Ratio Lower Upper

105 100

134 21.2 10.8 32.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

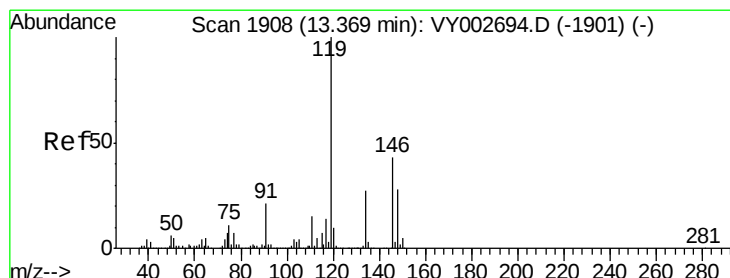
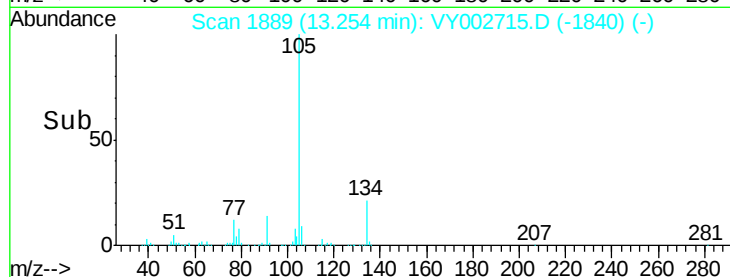
100000

50000

0

13.20 13.25 13.30

Time-->



#86

p-Isopropyltoluene

Concen: 19.799 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

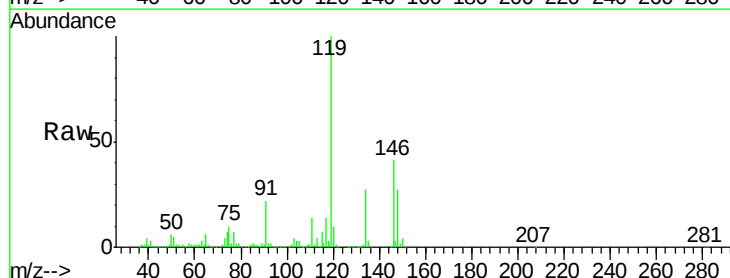
Tgt Ion:119 Resp: 319190

Ion Ratio Lower Upper

119 100

134 27.4 13.5 40.5

91 21.6 10.8 32.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

300000

250000

200000

150000

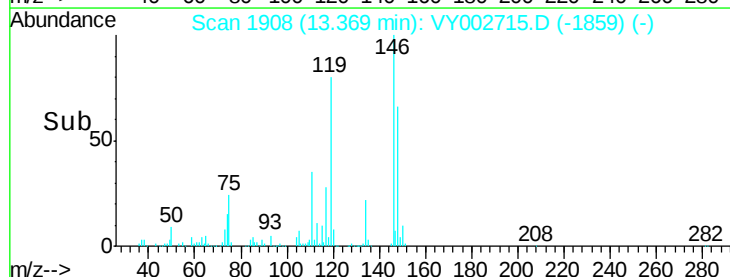
100000

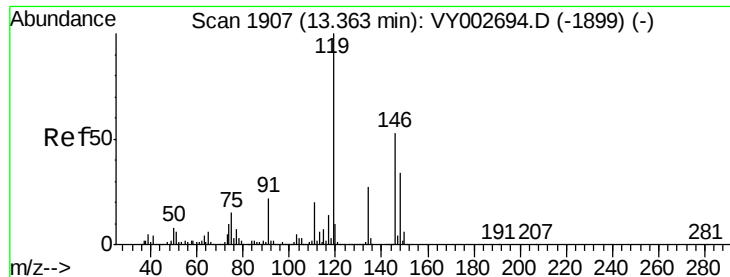
50000

0

13.30 13.35 13.40

Time-->

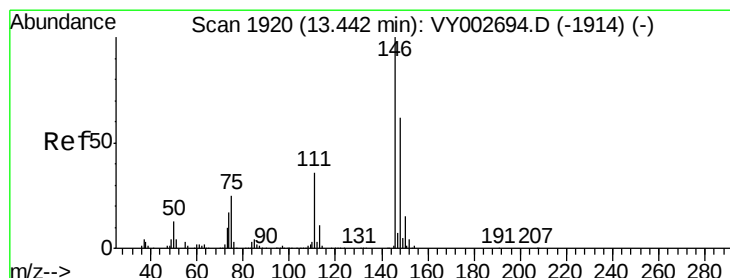
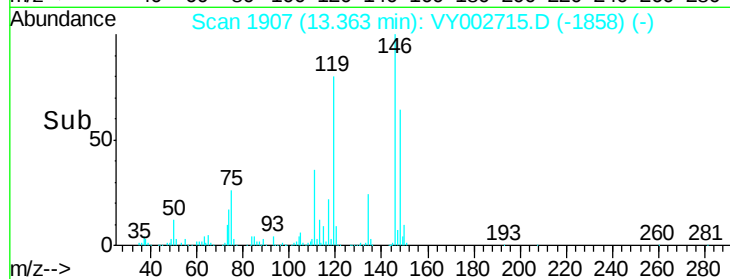
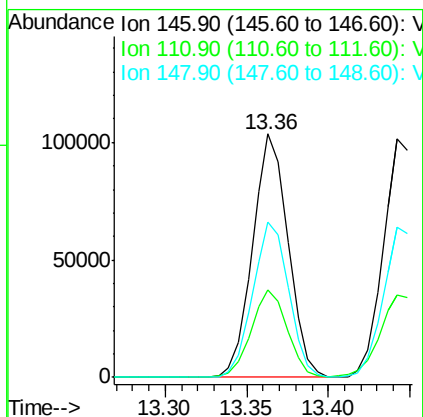
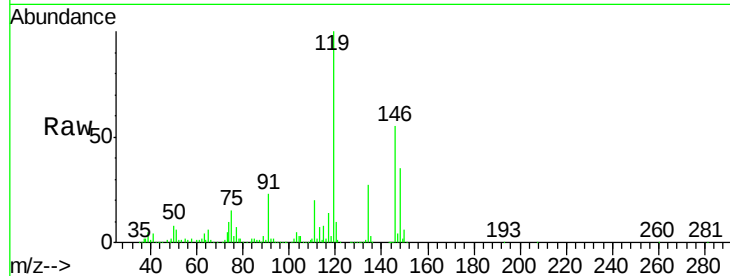




#87
 1,3-Dichlorobenzene
 Concen: 19.408 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY002715.D
 Acq: 19 May 2020 11:34

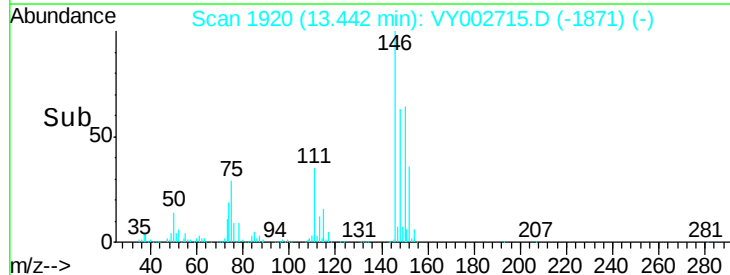
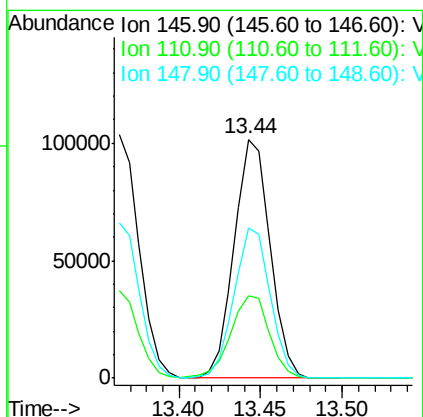
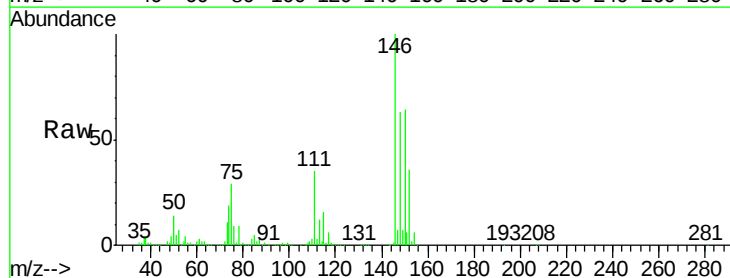
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBS01

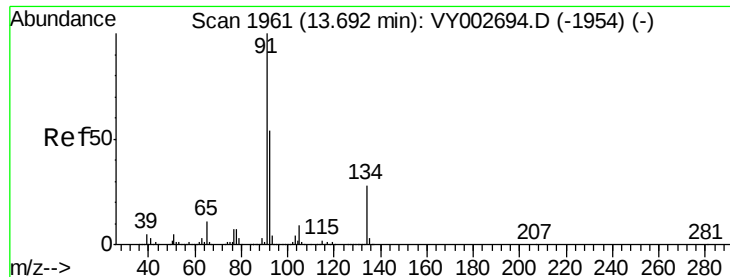
Tot Ion:146 Resp: 157024
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.5 55.5
 148 64.4 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 19.367 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY002715.D
 Acq: 19 May 2020 11:34

Tgt Ion:146 Resp: 156006
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.1 54.4
 148 63.7 31.8 95.3

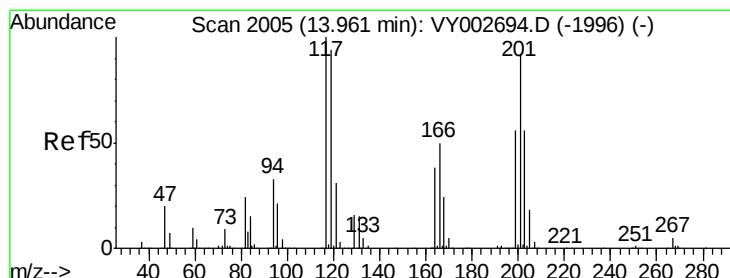
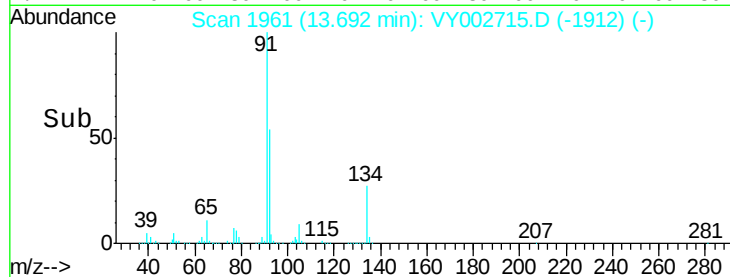
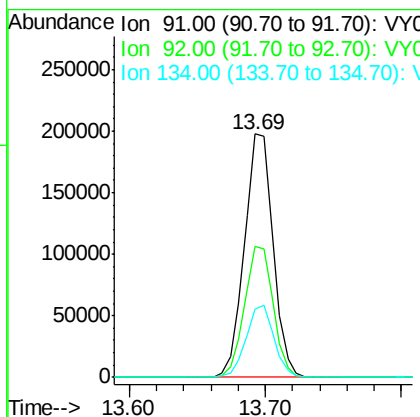
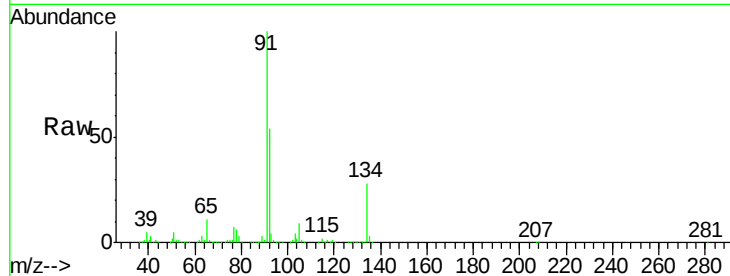




#89
n-Butylbenzene
Concen: 19.698 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY002715.D
Acq: 19 May 2020 11:34

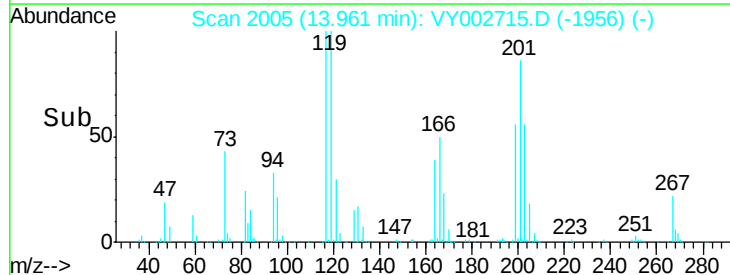
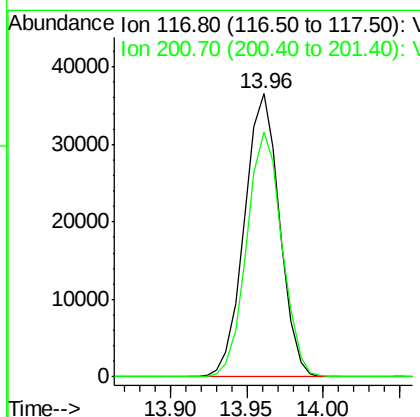
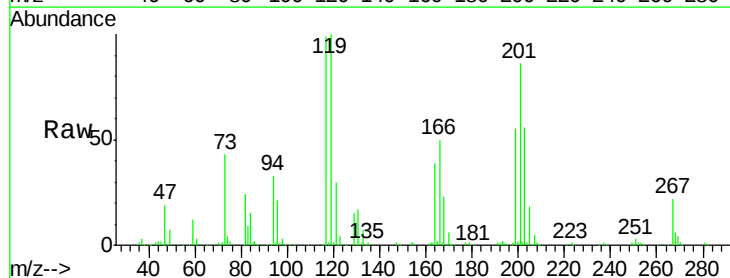
Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBS01

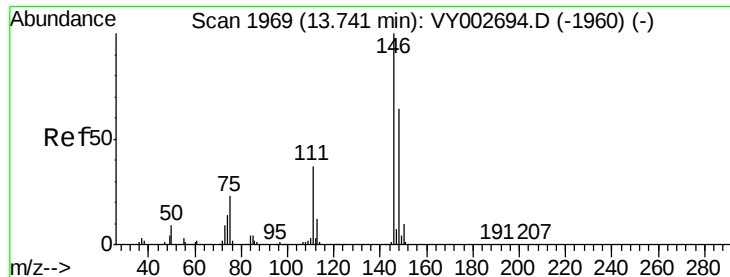
Tot Ion: 91 Resp: 291627
Ion Ratio Lower Upper
91 100
92 53.9 26.8 80.4
134 28.8 14.5 43.5



#90
Hexachloroethane
Concen: 19.536 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY002715.D
Acq: 19 May 2020 11:34

Tgt Ion: 117 Resp: 58336
Ion Ratio Lower Upper
117 100
201 86.6 44.9 134.7





#91

1,2-Dichlorobenzene

Concen: 19.194 ug/l

RT: 13.74 min Scan# 1968

Delta R.T. -0.01 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0519SBS01

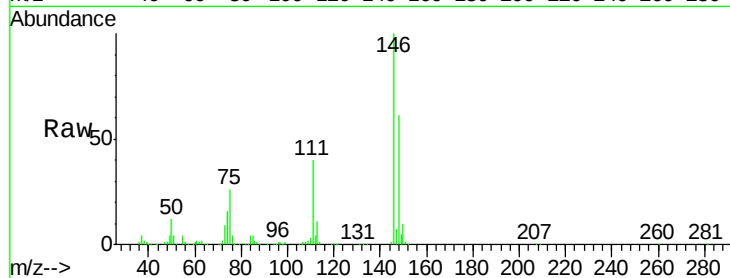
Tot Ion:146 Resp: 139273

Ion Ratio Lower Upper

146 100

111 38.1 19.1 57.1

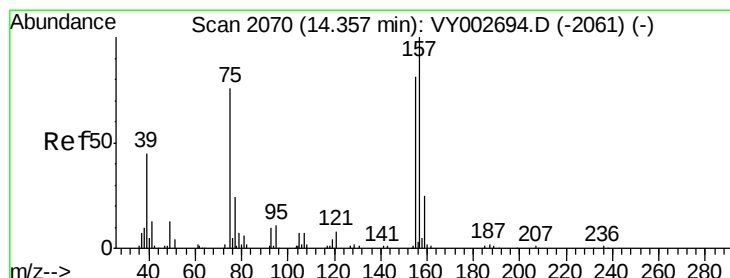
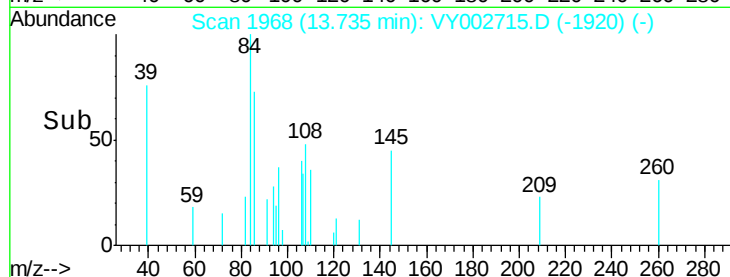
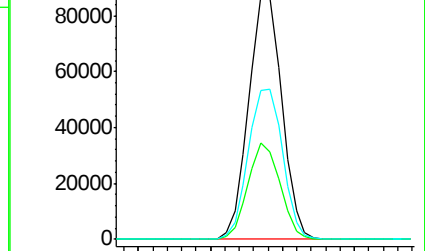
148 63.8 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.650 ug/l

RT: 14.36 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VY002715.D

Acq: 19 May 2020 11:34

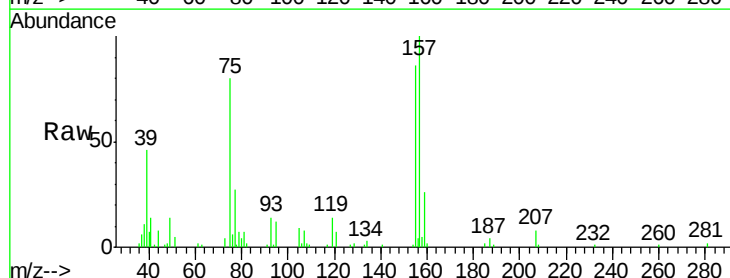
Tgt Ion: 75 Resp: 8366

Ion Ratio Lower Upper

75 100

155 100.8 53.5 160.7

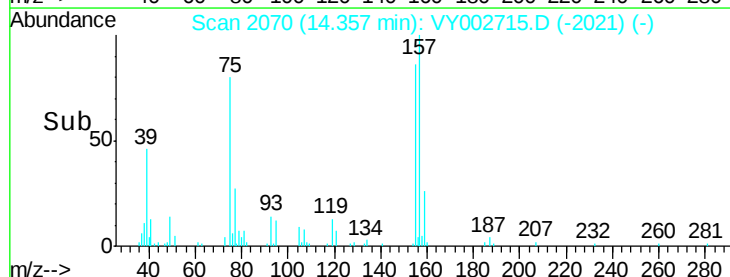
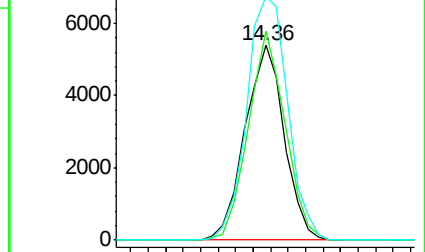
157 131.0 67.9 203.7

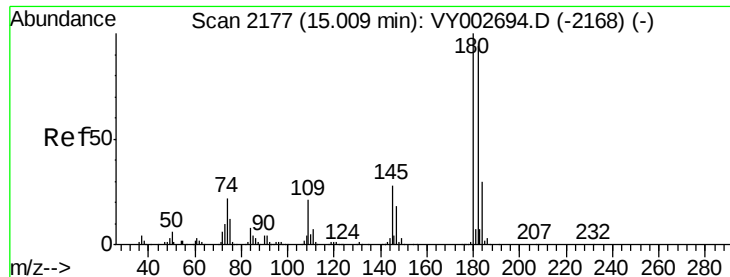


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

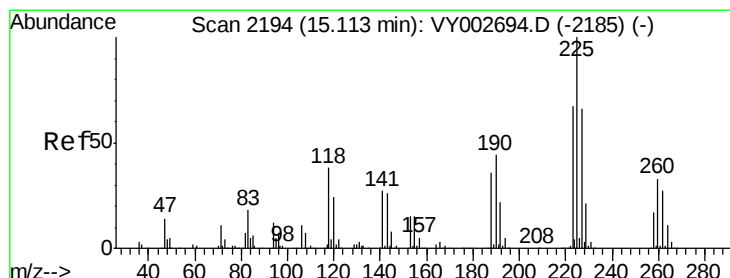
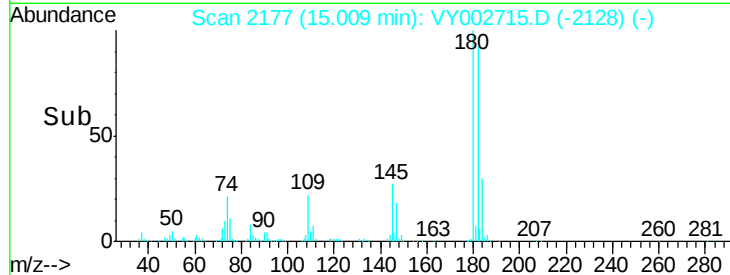
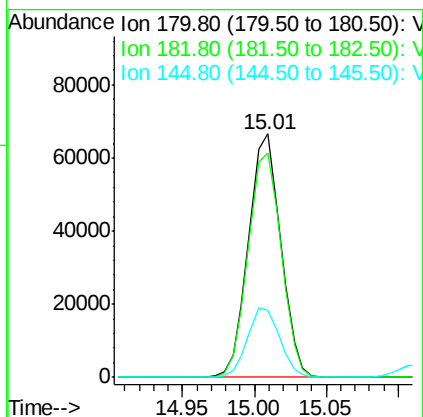
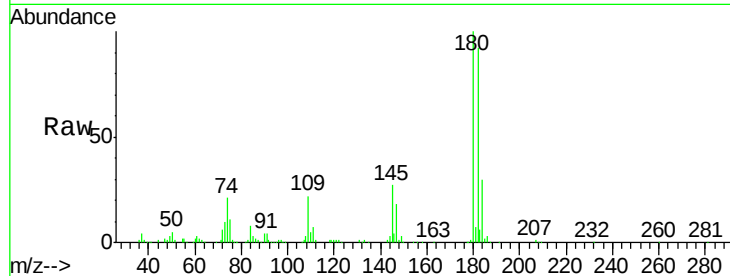




#93
 1,2,4-Trichlorobenzene
 Concen: 17.664 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VY002715.D
 Acq: 19 May 2020 11:34

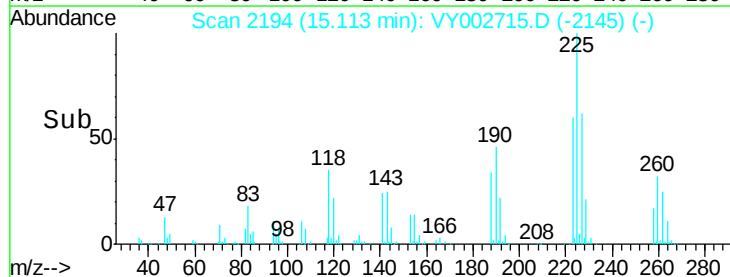
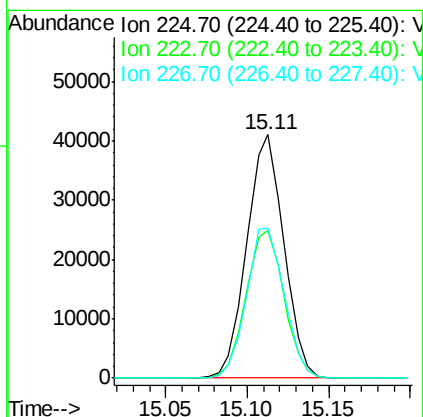
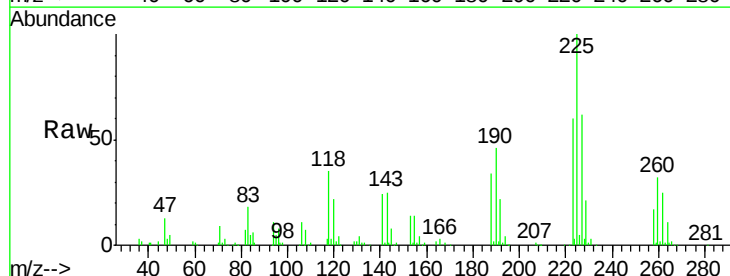
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBS01

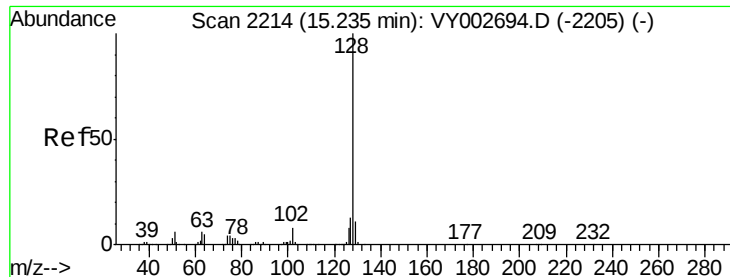
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.3	142.0
145	28.5	14.1	42.2



#94
 Hexachlorobutadiene
 Concen: 18.491 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY002715.D
 Acq: 19 May 2020 11:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.6	94.8
227	63.1	32.2	96.6

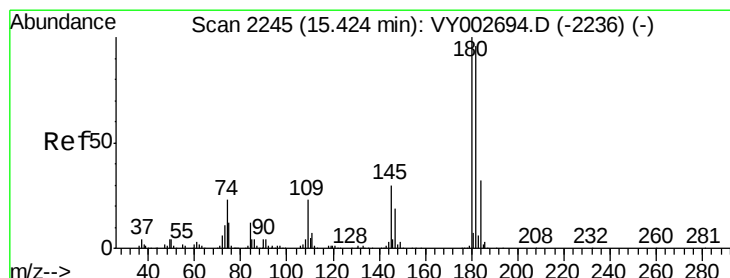
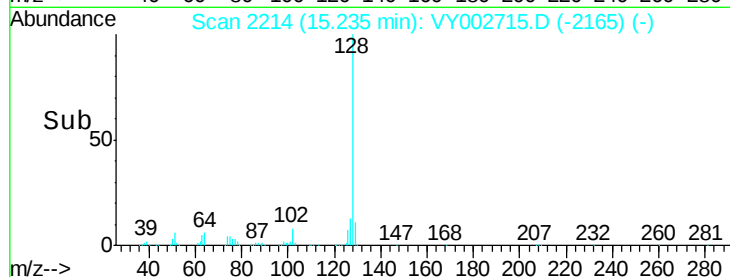
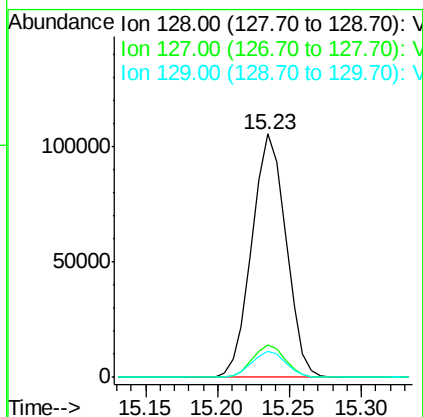
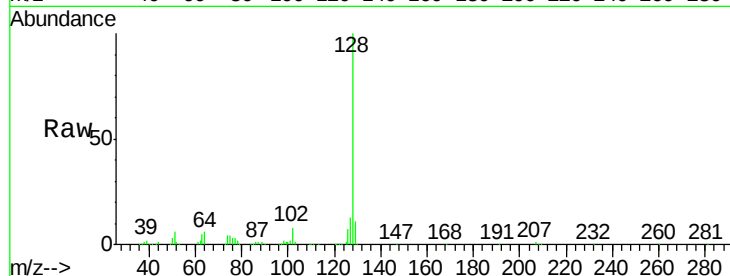




#95
Naphthalene
Concen: 17.289 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY002715.D
Acq: 19 May 2020 11:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBS01

Tot Ion:128 Resp: 172777
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 17.231 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY002715.D
Acq: 19 May 2020 11:34

Tgt Ion:180 Resp: 86597
Ion Ratio Lower Upper
180 100
182 95.3 47.6 142.9
145 29.8 15.1 45.3

