

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051920\
 Data File : VY002714.D
 Acq On : 19 May 2020 11:13
 Operator : SY/MD
 Sample : VY0519SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBS01

Quant Time: May 20 08:27:27 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	361204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	532534	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	486986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	251263	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	145805	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
35) Dibromofluoromethane	7.72	113	155762	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	
50) Toluene-d8	10.18	98	633428	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
62) 4-Bromofluorobenzene	12.48	95	212482	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	56110	21.678	ug/l	96
3) Chloromethane	2.12	50	64259	21.678	ug/l	99
4) Vinyl Chloride	2.26	62	69332	22.446	ug/l	96
5) Bromomethane	2.65	94	48270	21.085	ug/l	97
6) Chloroethane	2.79	64	41552	21.037	ug/l	99
7) Trichlorofluoromethane	3.13	101	108754	20.892	ug/l	98
8) Diethyl Ether	3.54	74	36905	20.841	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	65839	20.865	ug/l	99
10) Methyl Iodide	4.10	142	86615	19.942	ug/l	99
11) Tert butyl alcohol	4.96	59	27589	96.151	ug/l	99
12) 1,1-Dichloroethene	3.88	96	66626	21.029	ug/l	96
13) Acrolein	3.74	56	32098	95.375	ug/l	96
14) Allyl chloride	4.49	41	95547	21.006	ug/l	98
15) Acrylonitrile	5.18	53	79727	99.435	ug/l	99
16) Acetone	3.96	43	56161	96.424	ug/l	99
17) Carbon Disulfide	4.20	76	205139	20.642	ug/l	99
18) Methyl Acetate	4.48	43	33904	20.416	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	159978	20.357	ug/l	100
20) Methylene Chloride	4.72	84	70801	20.110	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	72267	20.513	ug/l	98
22) Diisopropyl ether	6.12	45	188596	20.899	ug/l	95
23) Vinyl Acetate	6.07	43	590843	102.250	ug/l	99
24) 1,1-Dichloroethane	6.03	63	113070	20.968	ug/l	99
25) 2-Butanone	6.99	43	94447	98.008	ug/l	95
26) 2,2-Dichloropropane	6.99	77	104306	20.789	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	78240	20.553	ug/l	98
28) Bromochloromethane	7.35	49	46285	21.698	ug/l	100
29) Tetrahydrofuran	7.35	42	65764	100.300	ug/l	100
30) Chloroform	7.51	83	116203	20.763	ug/l	96
31) Cyclohexane	7.79	56	111053	20.305	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	107391	20.767	ug/l	100
36) 1,1-Dichloropropene	7.93	75	95090	21.093	ug/l	100
37) Ethyl Acetate	7.08	43	45076	20.329	ug/l	98
38) Carbon Tetrachloride	7.90	117	100709	20.785	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	122220	20.163	ug/l	99
40) Benzene	8.16	78	274019	20.832	ug/l	99
41) Methacrylonitrile	7.32	41	23064m	17.313	ug/l	
42) 1,2-Dichloroethane	8.24	62	69144	19.930	ug/l	99
43) Isopropyl Acetate	8.28	43	84326	20.464	ug/l	99
44) Trichloroethene	8.94	130	86506	20.632	ug/l	96
45) 1,2-Dichloropropane	9.22	63	65507	20.983	ug/l	97
46) Dibromomethane	9.31	93	35629	20.313	ug/l	98
47) Bromodichloromethane	9.50	83	87322	20.399	ug/l	99
48) Methyl methacrylate	9.30	41	37134	19.572	ug/l	99
49) 1,4-Dioxane	9.30	88	9567	400.489	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	216956	101.975	ug/l	99
52) Toluene	10.24	92	175662	20.636	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	93664	20.500	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	109640	20.700	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	53780	20.595	ug/l	98
56) Ethyl methacrylate	10.51	69	70915	20.399	ug/l	98
57) 1,3-Dichloropropane	10.79	76	89488	20.450	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	170312	99.240	ug/l	100
59) 2-Hexanone	10.83	43	148655	100.290	ug/l	99
60) Dibromochloromethane	10.99	129	68782	20.618	ug/l	99
61) 1,2-Dibromoethane	11.09	107	53363	20.742	ug/l	99
64) Tetrachloroethene	10.72	164	97233	21.031	ug/l	97
65) Chlorobenzene	11.52	112	196773	20.910	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	71570	20.492	ug/l	99
67) Ethyl Benzene	11.59	91	342617	20.736	ug/l	98
68) m/p-Xylenes	11.70	106	264825	41.197	ug/l	99
69) o-Xylene	12.03	106	124420	20.622	ug/l	100
70) Styrene	12.05	104	214759	20.732	ug/l	100
71) Bromoform	12.20	173	43694	20.239	ug/l #	99
73) Isopropylbenzene	12.33	105	342867	20.884	ug/l	100
74) N-amyl acetate	12.14	43	79169	20.549	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	48931	20.239	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	41753m	20.229	ug/l	
77) Bromobenzene	12.61	156	85599	20.854	ug/l	99
78) n-propylbenzene	12.67	91	405078	21.209	ug/l	100
79) 2-Chlorotoluene	12.75	91	220959	20.859	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	285931	20.727	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	22393	20.518	ug/l #	77
82) 4-Chlorotoluene	12.85	91	231446	20.858	ug/l	100
83) tert-Butylbenzene	13.08	119	251375	20.589	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	288682	20.939	ug/l	100
85) sec-Butylbenzene	13.25	105	354056	21.015	ug/l	100
86) p-Isopropyltoluene	13.37	119	330333	20.947	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	164734	20.815	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	166382	21.117	ug/l	100
89) n-Butylbenzene	13.70	91	304022	20.993	ug/l	99
90) Hexachloroethane	13.96	117	60652	20.765	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	146008	20.571	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8937	19.276	ug/l	97

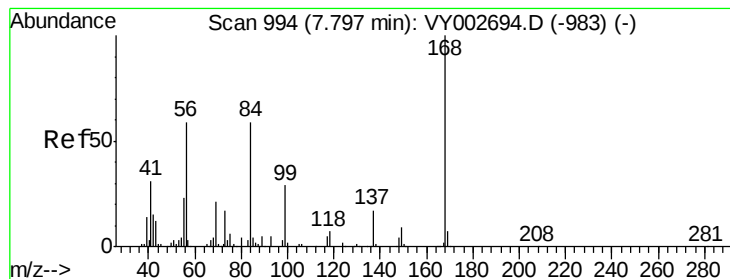
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051920\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	107047	18.944	ug/l	99
94) Hexachlorobutadiene	15.11	225	66327	19.481	ug/l	99
95) Naphthalene	15.23	128	183819	18.805	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	90326	18.615	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

Instrument :

MSVOA_Y

ClientSampleId :

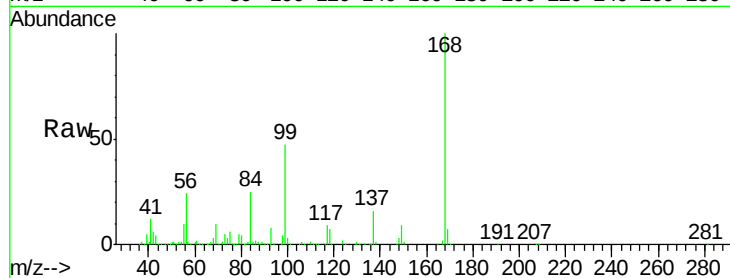
VY0519SBS01

Tot Ion:168 Resp: 361204

Ion Ratio Lower Upper

168 100

99 47.3 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002714.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002714.D (-945) (-)

7.80

150000

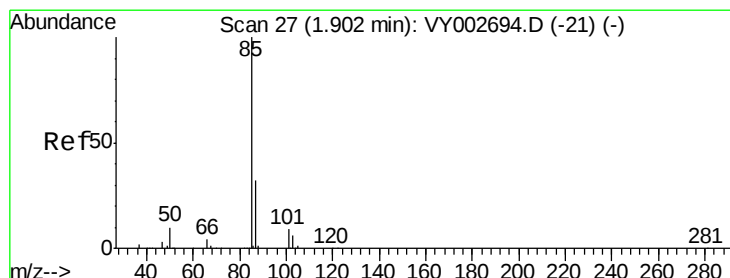
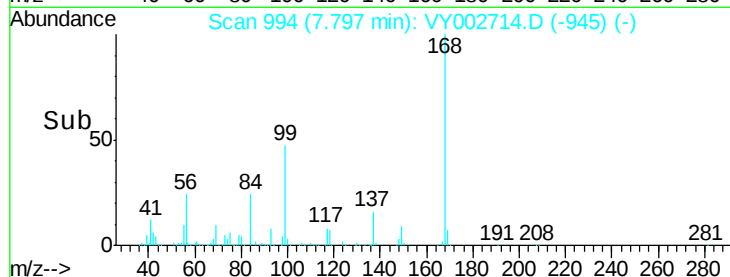
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 21.678 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY002714.D

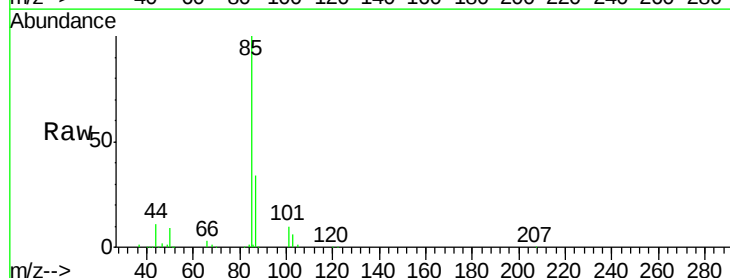
Acq: 19 May 2020 11:13

Tgt Ion: 85 Resp: 56110

Ion Ratio Lower Upper

85 100

87 34.0 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002714.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY002714.D (-1) (-)

1.91

40000

30000

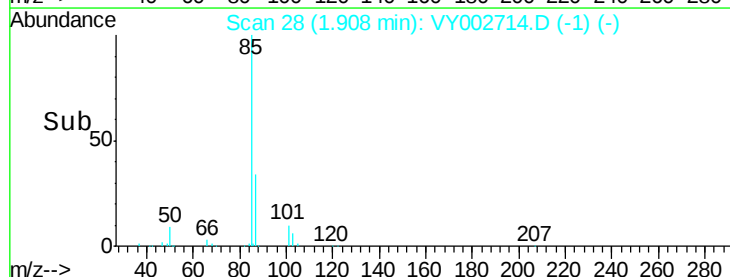
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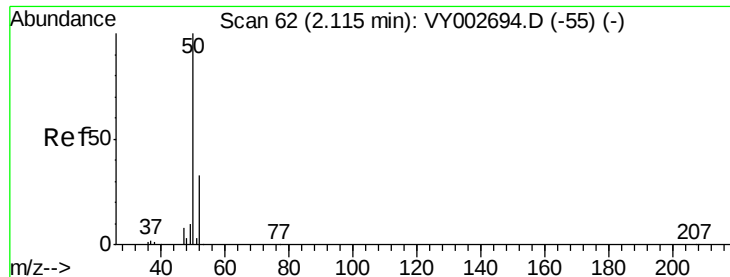
10000

0

1.80 1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 21.678 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

Instrument :

MSVOA_Y

ClientSampleId :

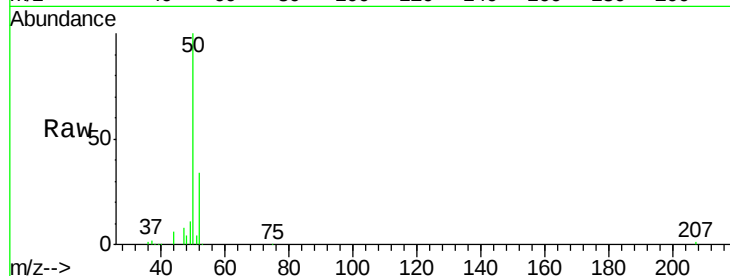
VY0519SBS01

Tot Ion: 50 Resp: 64259

Ion Ratio Lower Upper

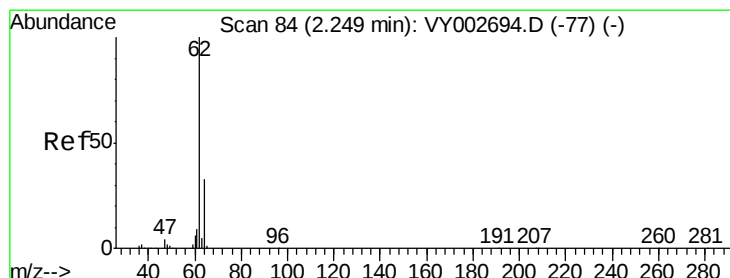
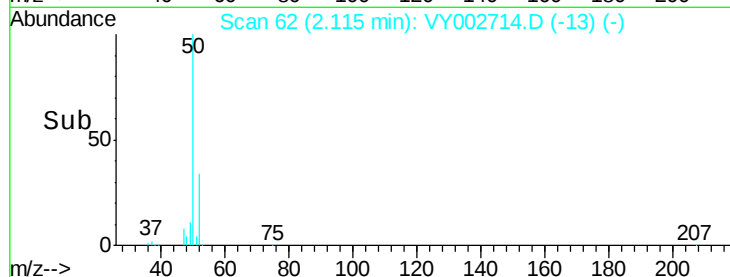
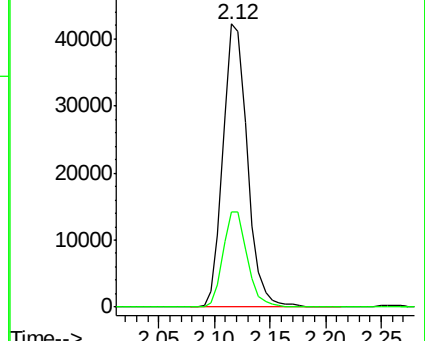
50 100

52 33.7 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: 22.446 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY002714.D

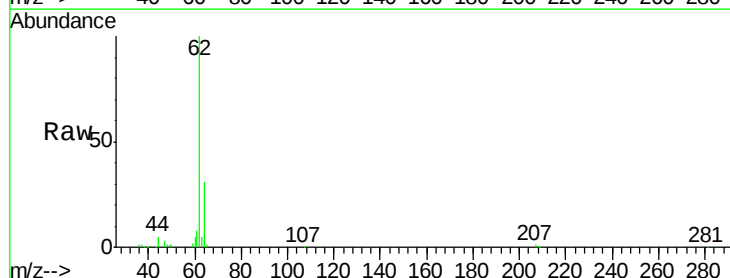
Acq: 19 May 2020 11:13

Tgt Ion: 62 Resp: 69332

Ion Ratio Lower Upper

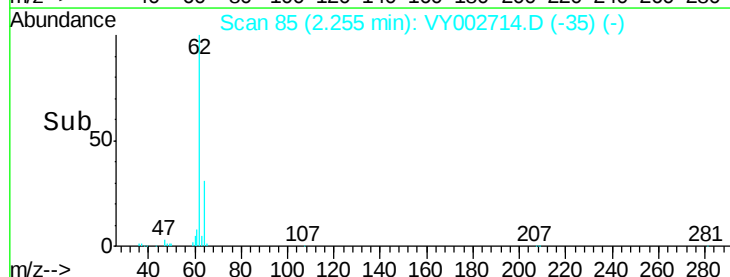
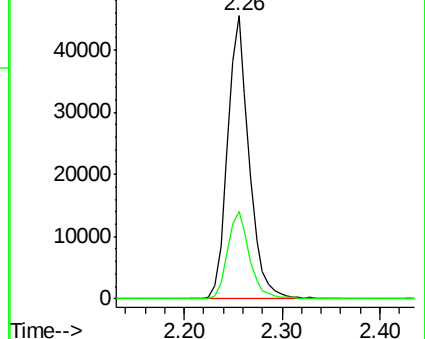
62 100

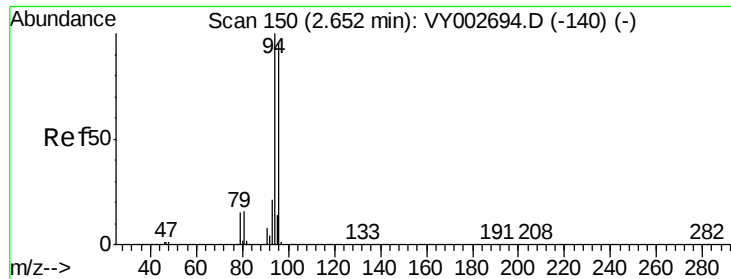
64 30.8 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 21.085 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

Instrument :

MSVOA_Y

ClientSampleId :

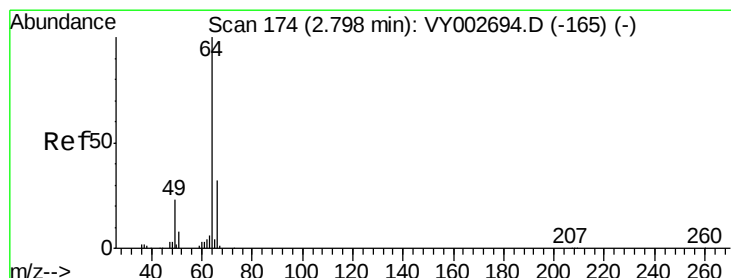
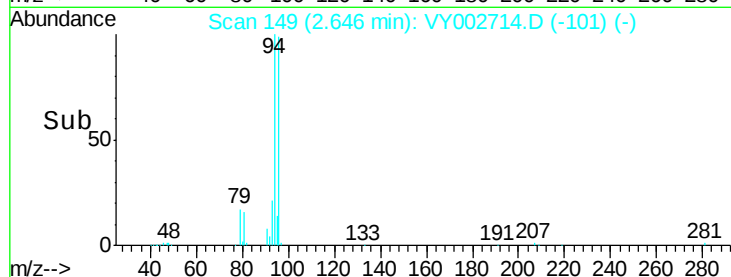
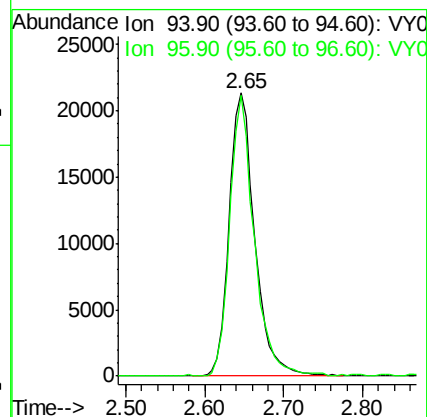
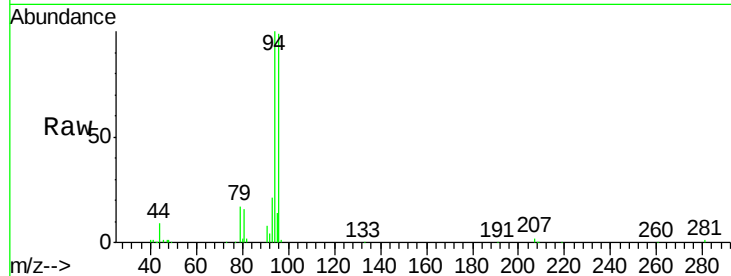
VY0519SBS01

Tot Ion: 94 Resp: 48270

Ion Ratio Lower Upper

94 100

96 98.7 76.8 115.2



#6

Chloroethane

Concen: 21.037 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY002714.D

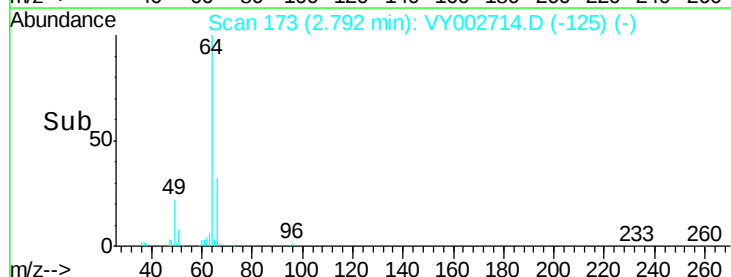
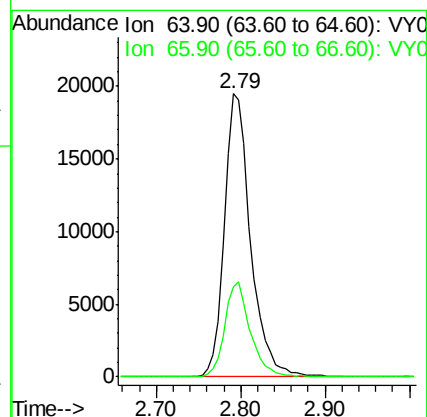
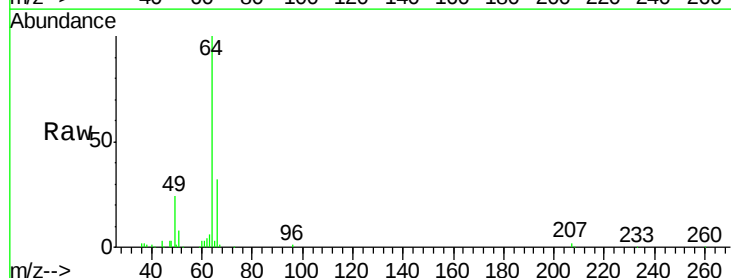
Acq: 19 May 2020 11:13

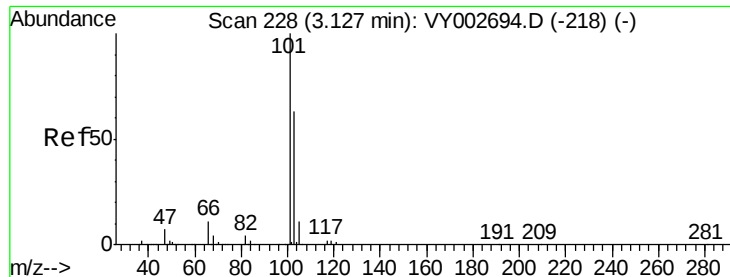
Tgt Ion: 64 Resp: 41552

Ion Ratio Lower Upper

64 100

66 31.7 25.9 38.9



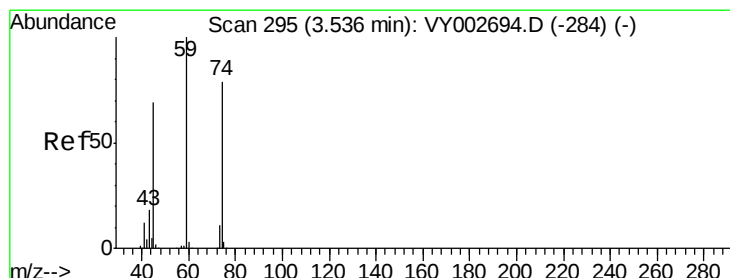
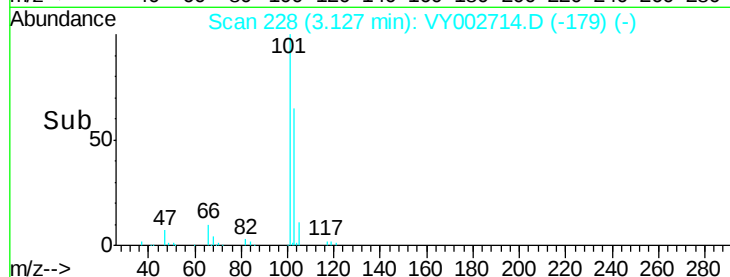
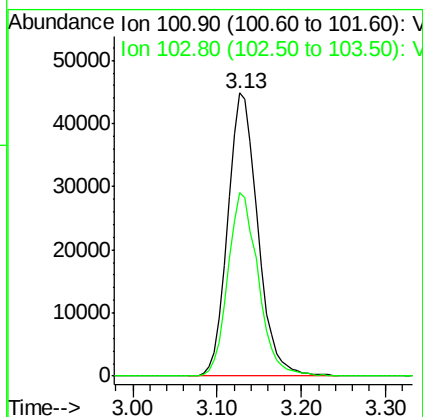
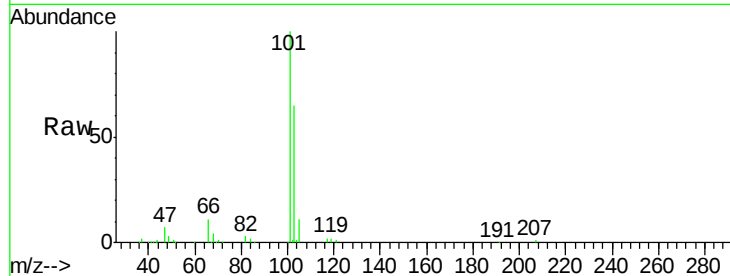


#7

Trichlorofluoromethane
 Concen: 20.892 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. 0.00 min
 Lab File: VY002714.D
 Acq: 19 May 2020 11:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBS01

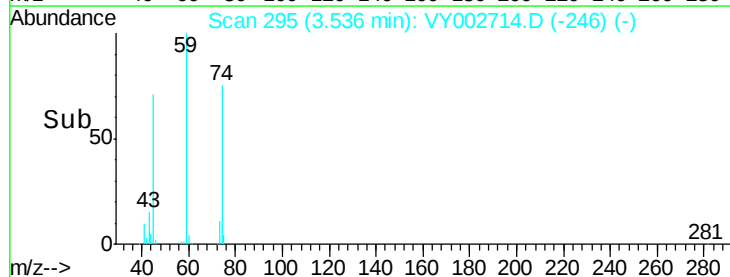
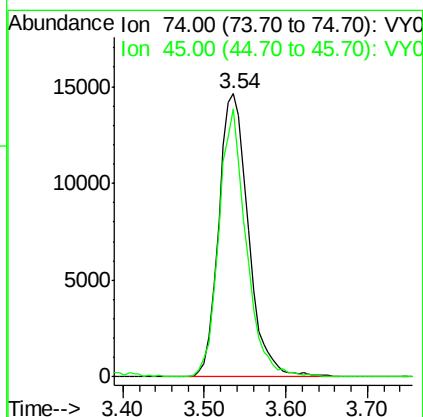
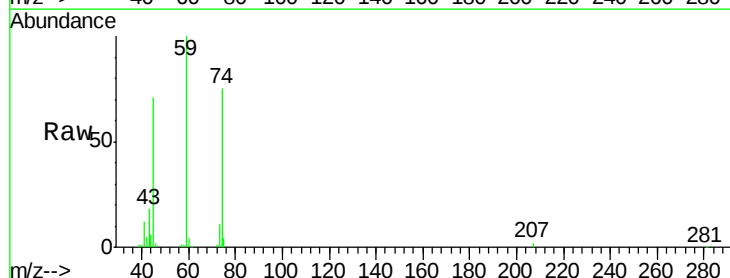
Tot Ion:101 Resp: 108754
 Ion Ratio Lower Upper
 101 100
 103 64.6 50.6 75.8

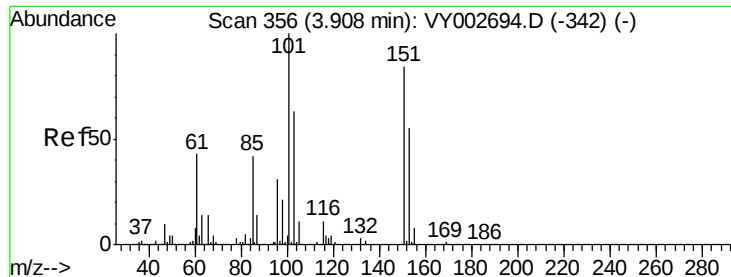


#8

Diethyl Ether
 Concen: 20.841 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. 0.00 min
 Lab File: VY002714.D
 Acq: 19 May 2020 11:13

Tgt Ion: 74 Resp: 36905
 Ion Ratio Lower Upper
 74 100
 45 87.4 43.8 131.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.865 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

Instrument :

MSVOA_Y

ClientSampleId :

VY0519SBS01

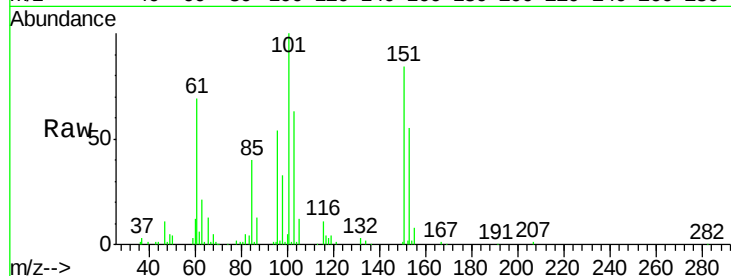
Tot Ion:101 Resp: 65839

Ion Ratio Lower Upper

101 100

85 41.1 33.5 50.3

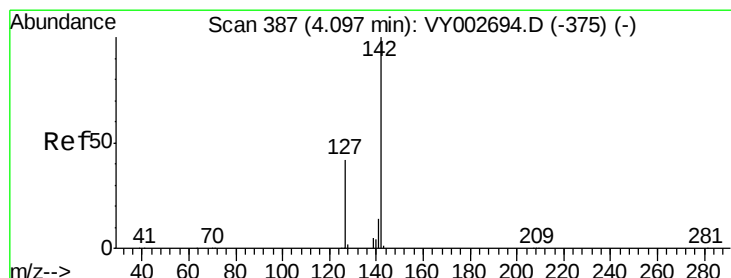
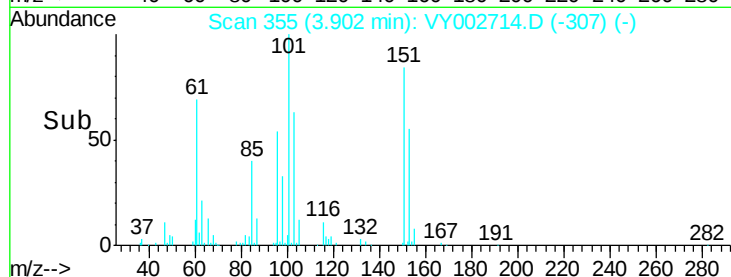
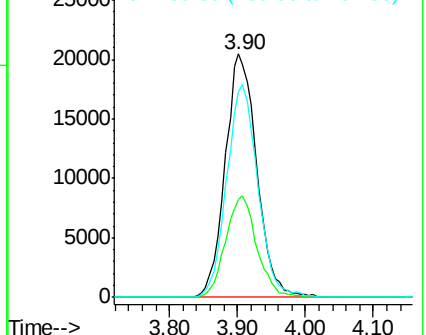
151 86.4 69.6 104.4



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: 19.942 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

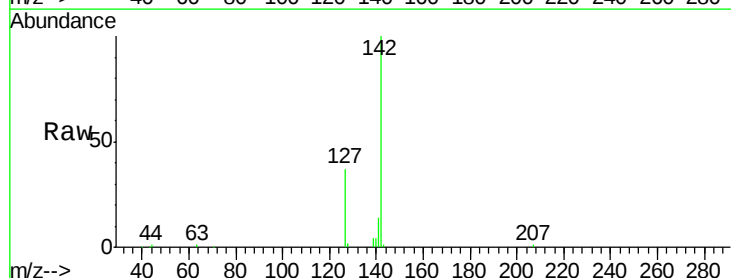
Tgt Ion:142 Resp: 86615

Ion Ratio Lower Upper

142 100

127 40.1 32.8 49.2

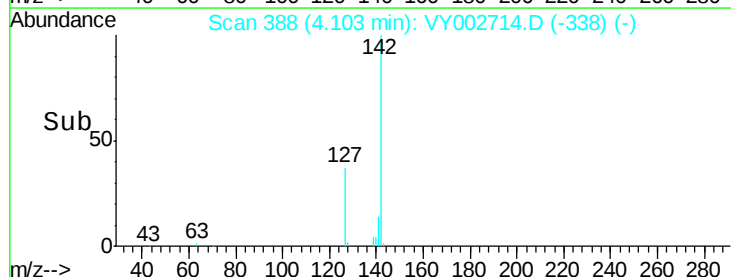
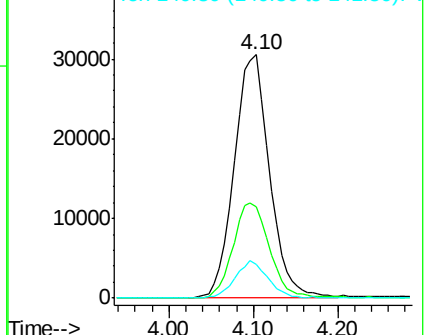
141 14.2 11.3 16.9

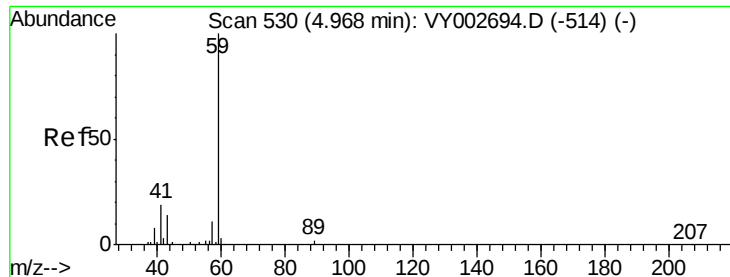


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

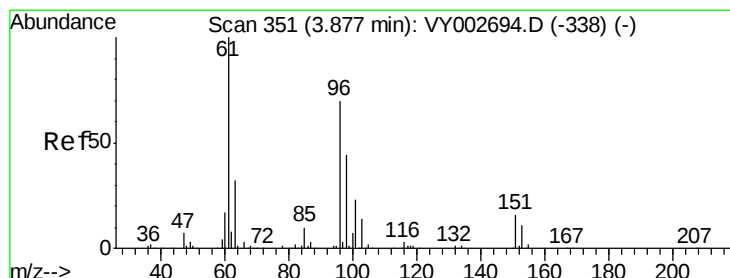
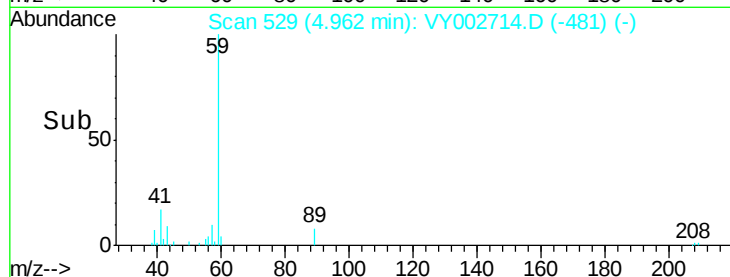
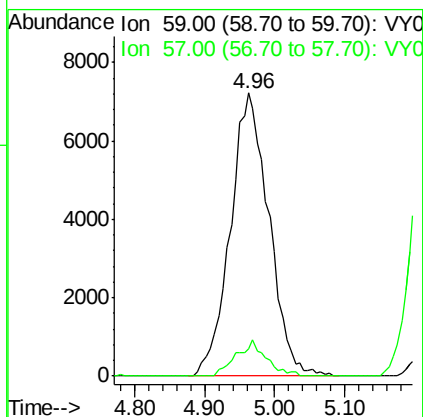
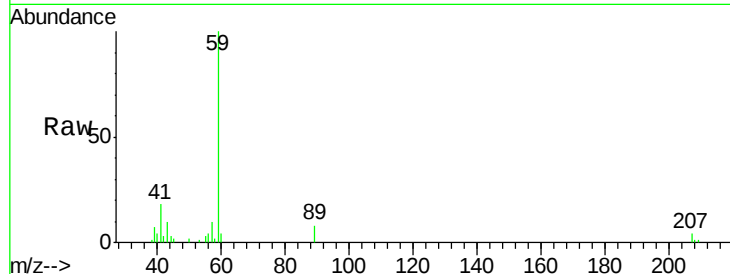




#11
Tert butyl alcohol
Concen: 96.151 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.01 min
Lab File: VY002714.D
Acq: 19 May 2020 11:13

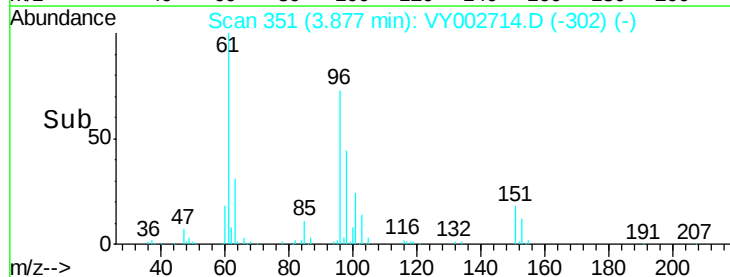
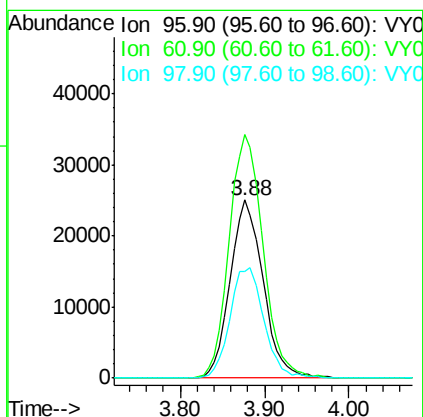
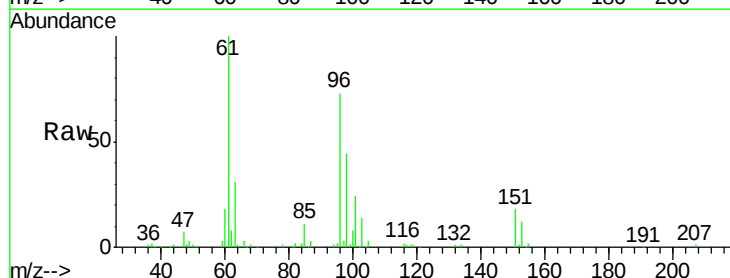
Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBS01

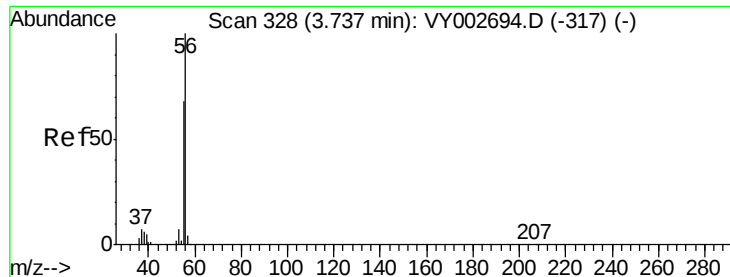
Tot Ion: 59 Resp: 27589
Ion Ratio Lower Upper
59 100
57 9.9 7.7 11.5



#12
1,1-Dichloroethene
Concen: 21.029 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY002714.D
Acq: 19 May 2020 11:13

Tgt Ion: 96 Resp: 66626
Ion Ratio Lower Upper
96 100
61 136.9 113.8 170.8
98 59.8 50.4 75.6





#13

Acrolein

Concen: 95.375 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

Instrument :

MSVOA_Y

ClientSampleId :

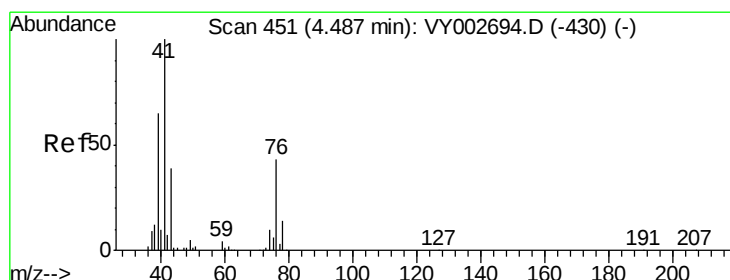
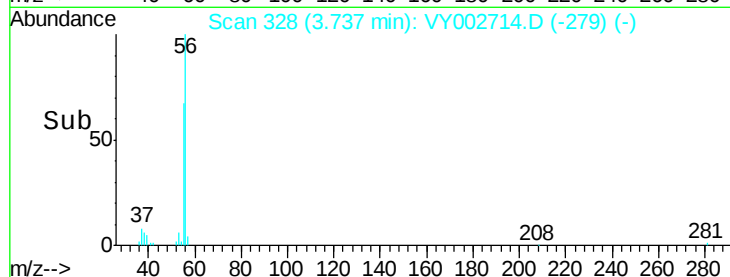
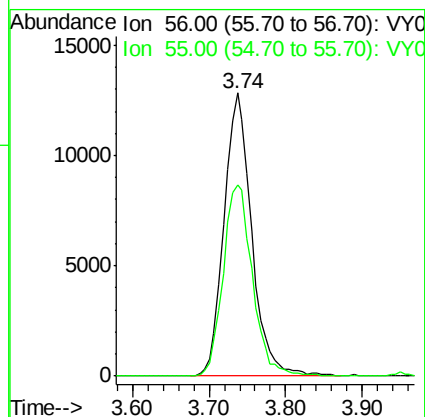
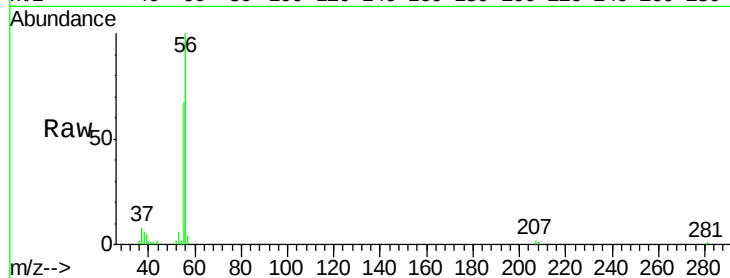
VY0519SBS01

Tot Ion: 56 Resp: 32098

Ion Ratio Lower Upper

56 100

55 71.4 54.8 82.2



#14

Allyl chloride

Concen: 21.006 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

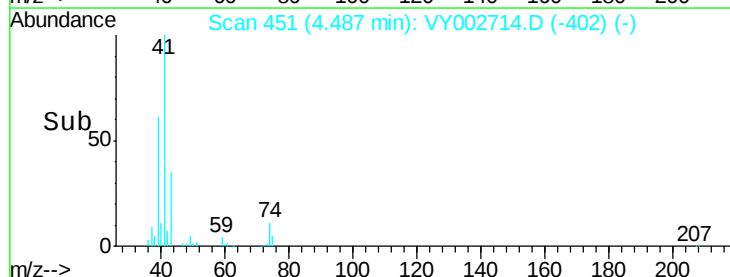
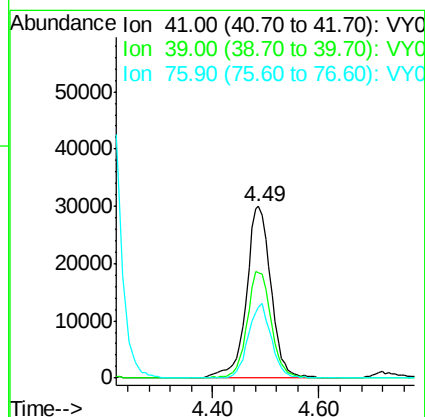
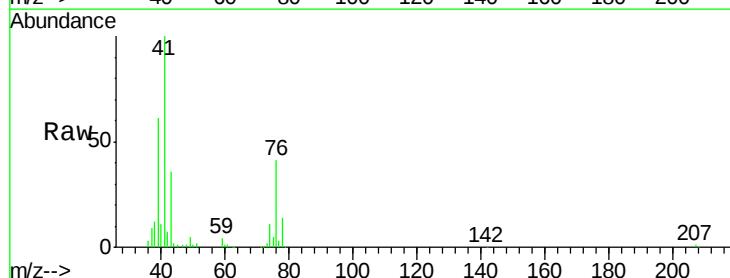
Tgt Ion: 41 Resp: 95547

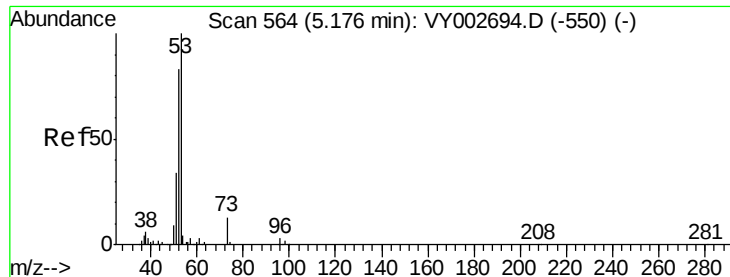
Ion Ratio Lower Upper

41 100

39 60.9 50.3 75.5

76 40.2 33.2 49.8





#15

Acrylonitrile

Concen: 99.435 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

Instrument :

MSVOA_Y

ClientSampleId :

VY0519SBS01

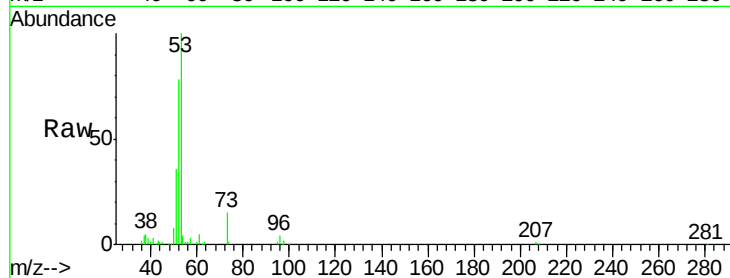
Tot Ion: 53 Resp: 79727

Ion Ratio Lower Upper

53 100

52 81.8 65.0 97.6

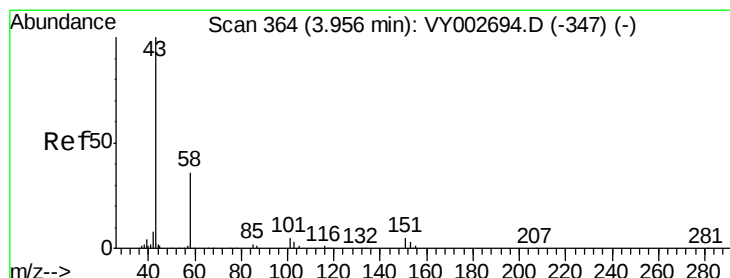
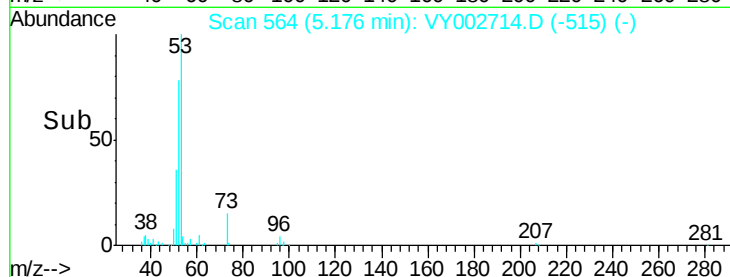
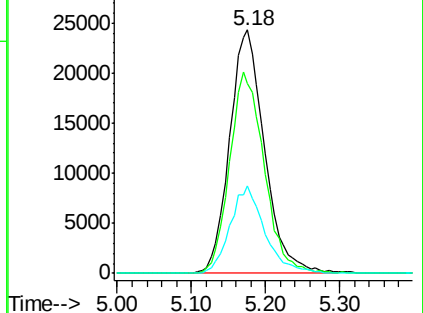
51 35.4 27.9 41.9



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 96.424 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY002714.D

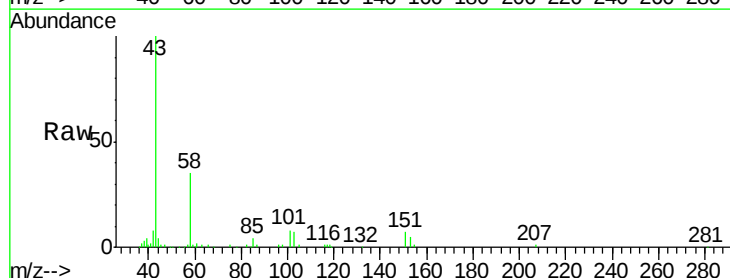
Acq: 19 May 2020 11:13

Tgt Ion: 43 Resp: 56161

Ion Ratio Lower Upper

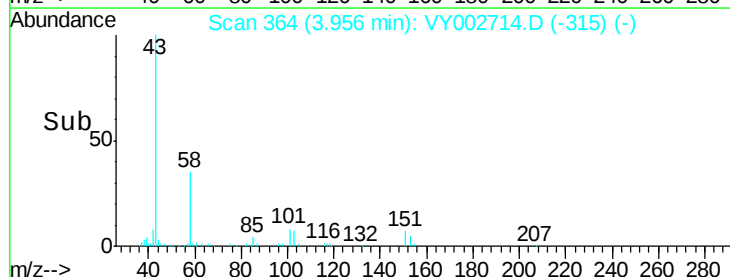
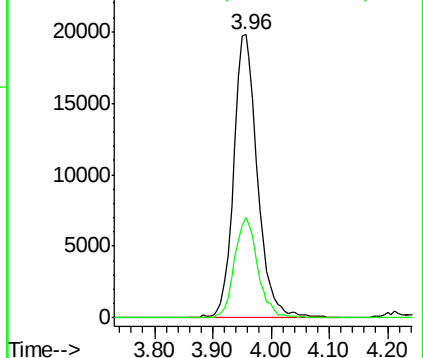
43 100

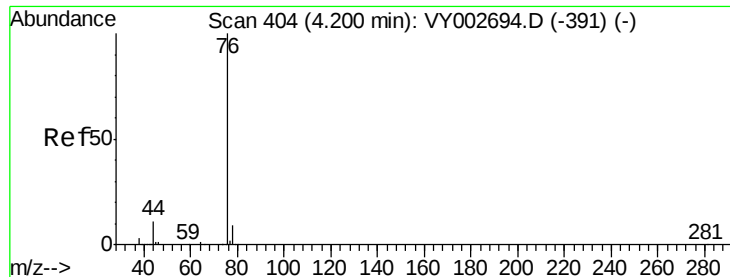
58 35.2 28.6 43.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#17

Carbon Disulfide

Concen: 20.642 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

Instrument :

MSVOA_Y

ClientSampleId :

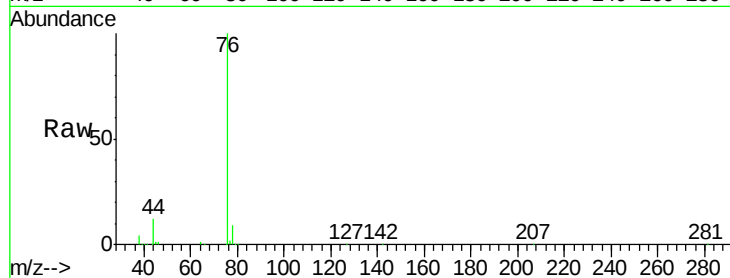
VY0519SBS01

Tot Ion: 76 Resp: 205139

Ion Ratio Lower Upper

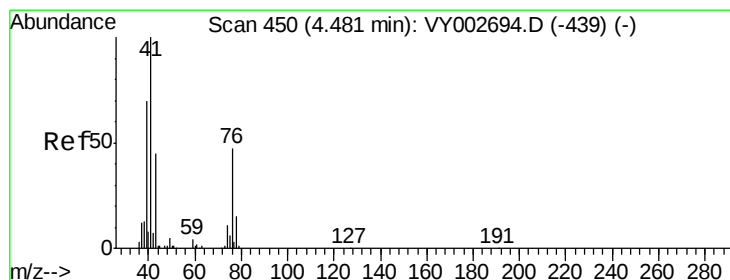
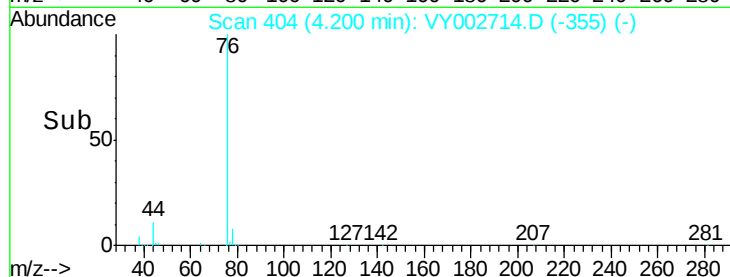
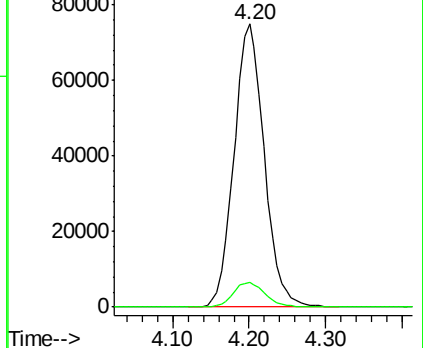
76 100

78 8.7 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: 20.416 ug/l

RT: 4.48 min Scan# 450

Delta R.T. 0.00 min

Lab File: VY002714.D

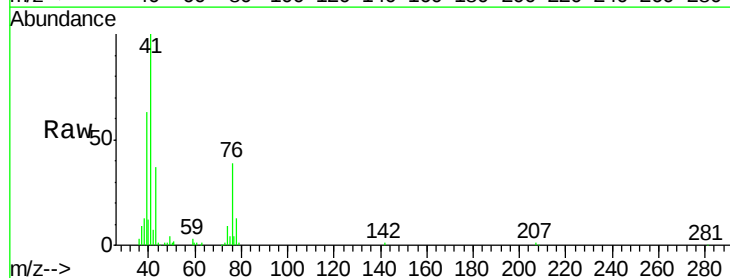
Acq: 19 May 2020 11:13

Tgt Ion: 43 Resp: 33904

Ion Ratio Lower Upper

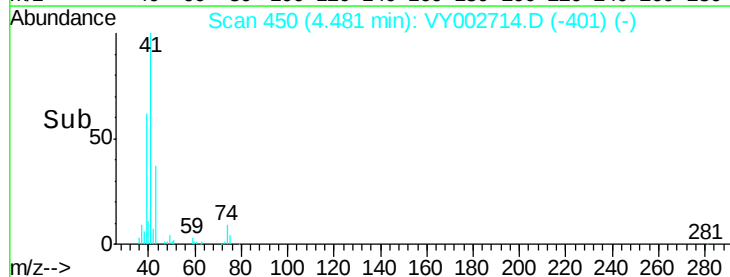
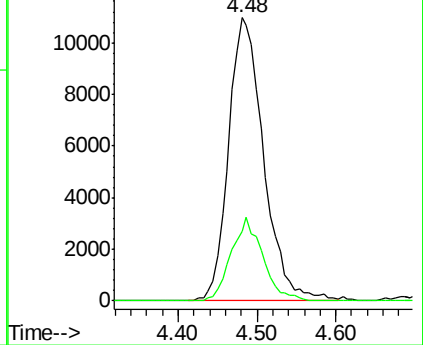
43 100

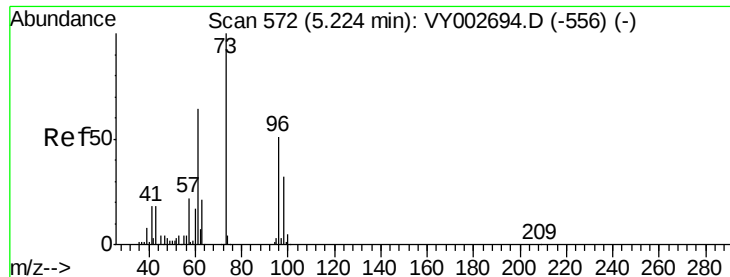
74 26.6 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0



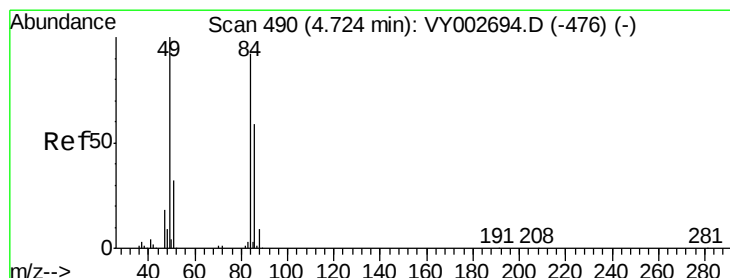
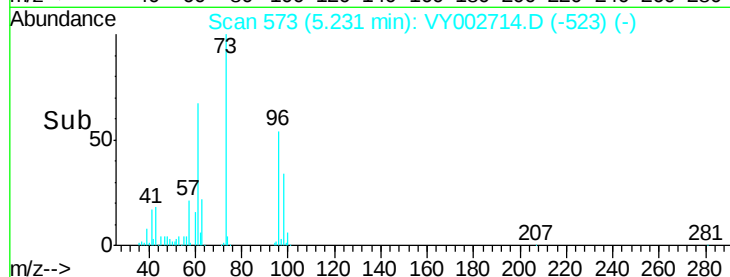
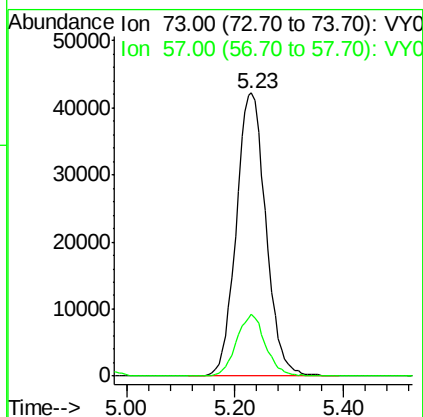
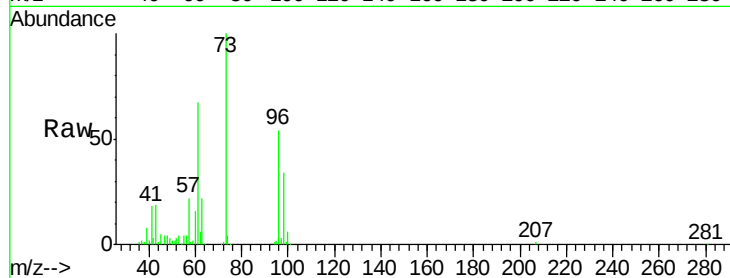


#19

Methyl tert-butyl Ether
 Concen: 20.357 ug/l
 RT: 5.23 min Scan# 573
 Delta R.T. 0.01 min
 Lab File: VY002714.D
 Acq: 19 May 2020 11:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBS01

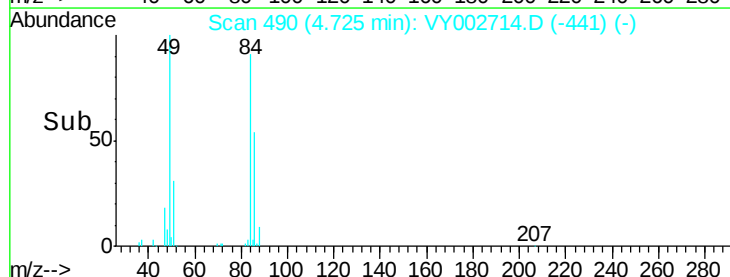
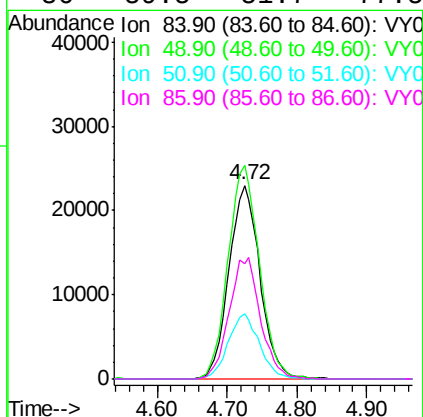
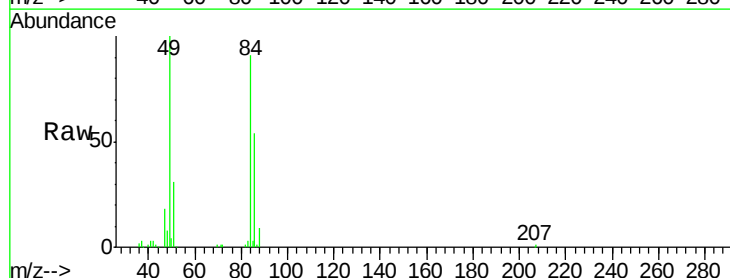
Tot Ion: 73 Resp: 159978
 Ion Ratio Lower Upper
 73 100
 57 21.8 17.3 25.9

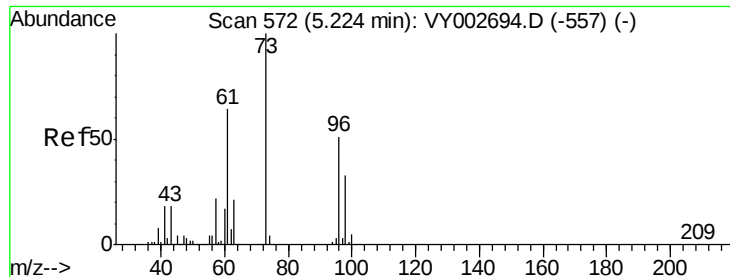


#20

Methylene Chloride
 Concen: 20.110 ug/l
 RT: 4.72 min Scan# 490
 Delta R.T. 0.00 min
 Lab File: VY002714.D
 Acq: 19 May 2020 11:13

Tgt Ion: 84 Resp: 70801
 Ion Ratio Lower Upper
 84 100
 49 110.4 87.4 131.0
 51 34.1 27.9 41.9
 86 59.5 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 20.513 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

Instrument :

MSVOA_Y

ClientSampleId :

VY0519SBS01

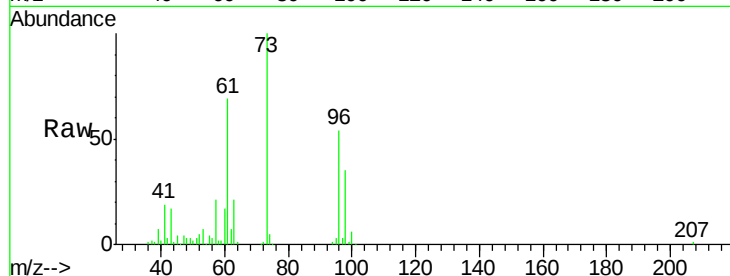
Tot Ion: 96 Resp: 72267

Ion Ratio Lower Upper

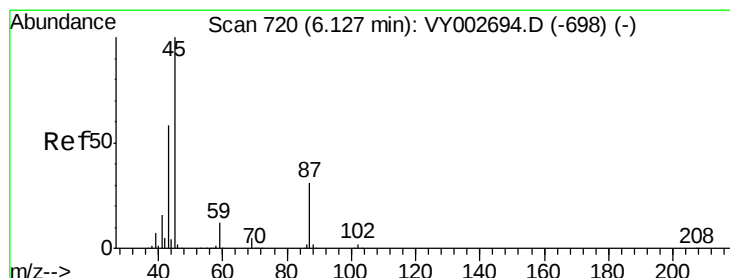
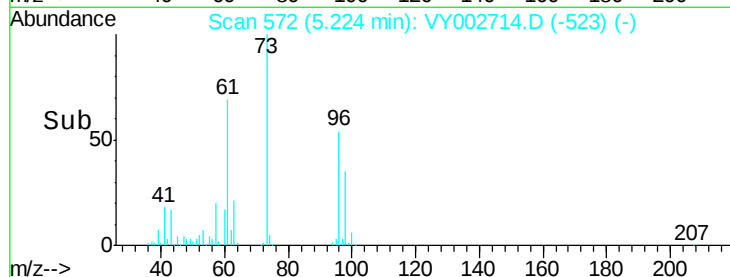
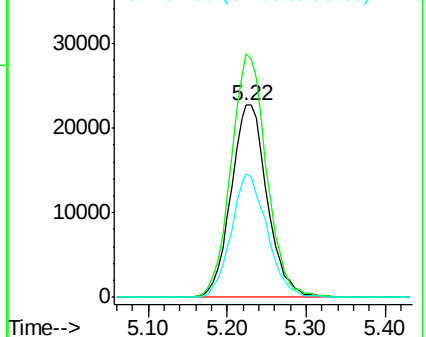
96 100

61 126.7 99.6 149.4

98 64.2 50.6 76.0



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



#22

Diisopropyl ether

Concen: 20.899 ug/l

RT: 6.12 min Scan# 719

Delta R.T. -0.01 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

Tgt Ion: 45 Resp: 188596

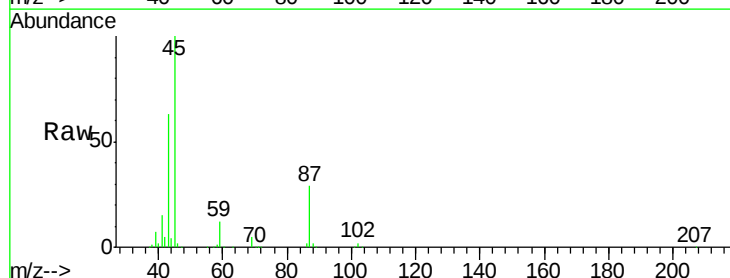
Ion Ratio Lower Upper

45 100

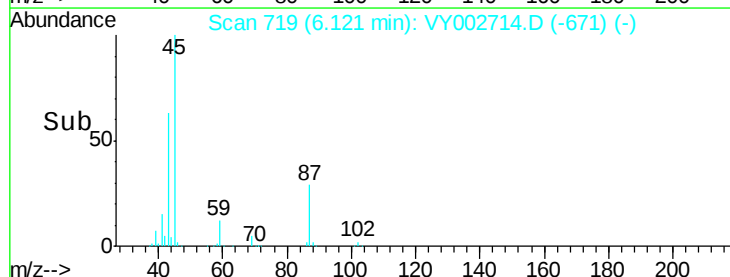
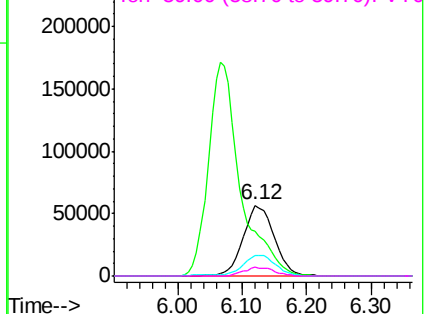
43 62.5 46.1 69.1

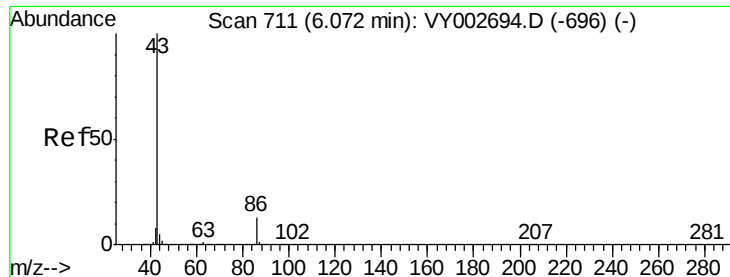
87 29.4 24.9 37.3

59 12.2 9.8 14.8



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





#23

Vinyl Acetate

Concen: 102.250 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

Instrument :

MSVOA_Y

ClientSampleId :

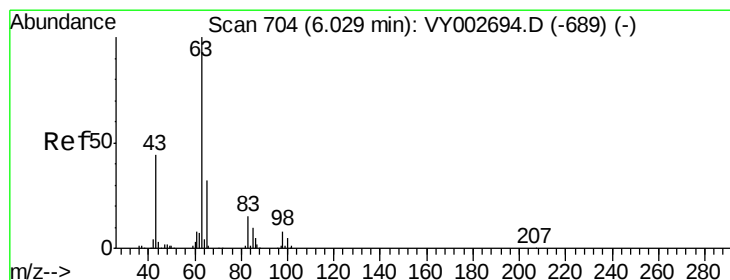
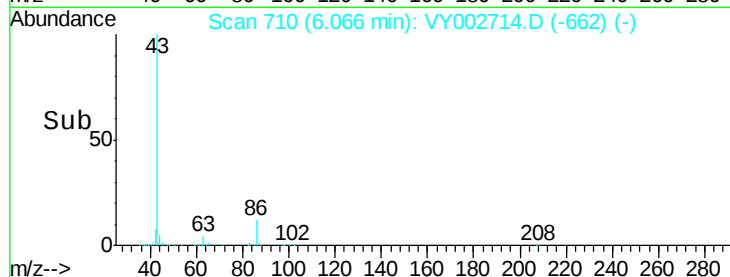
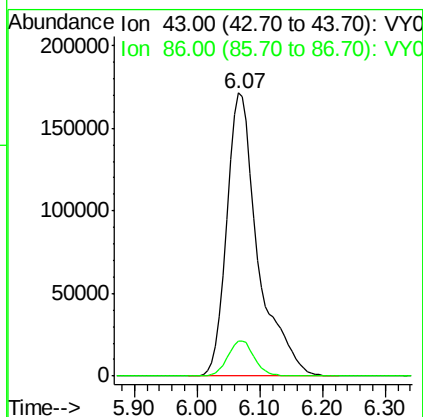
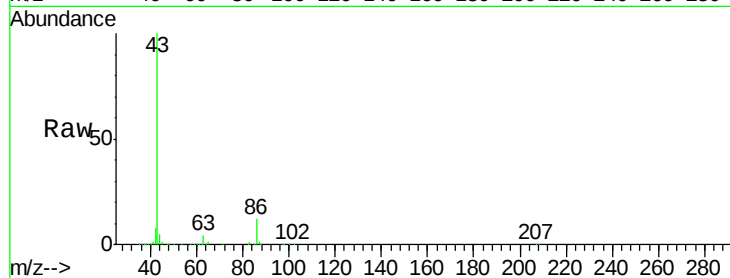
VY0519SBS01

Tot Ion: 43 Resp: 590843

Ion Ratio Lower Upper

43 100

86 12.4 10.1 15.1



#24

1,1-Dichloroethane

Concen: 20.968 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

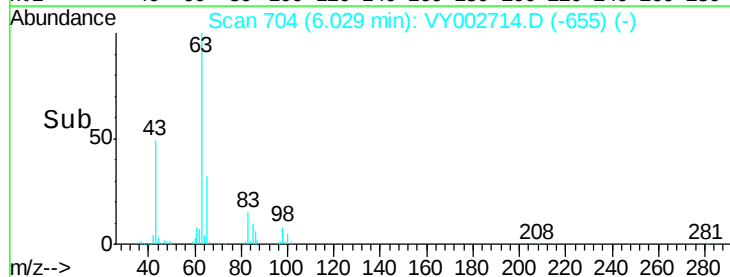
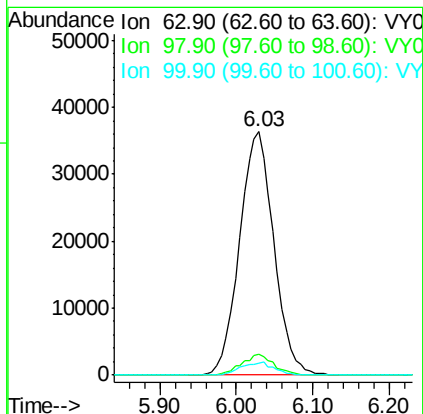
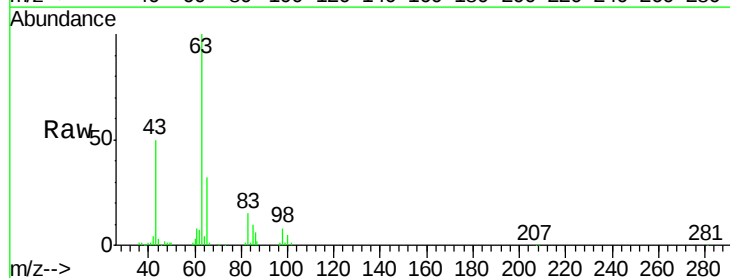
Tgt Ion: 63 Resp: 113070

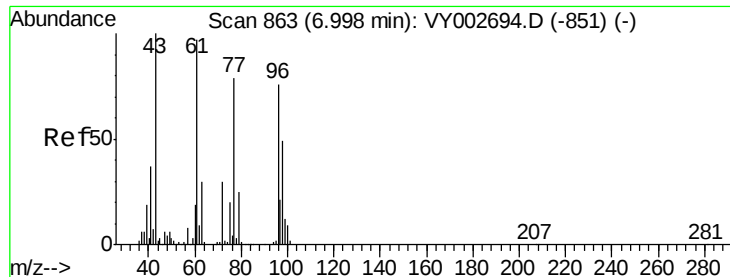
Ion Ratio Lower Upper

63 100

98 8.4 4.0 11.9

100 4.7 2.5 7.6





#25

2-Butanone

Concen: 98.008 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

Instrument :

MSVOA_Y

ClientSampleId :

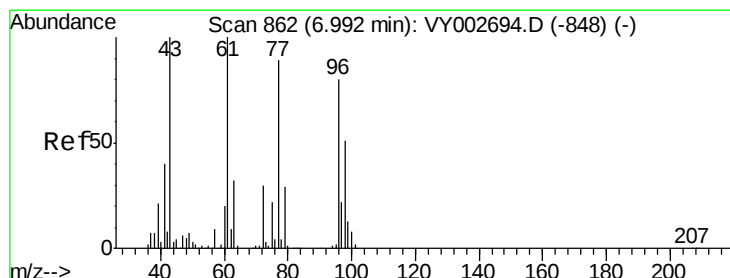
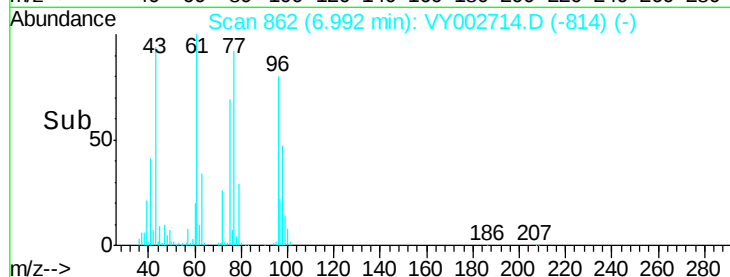
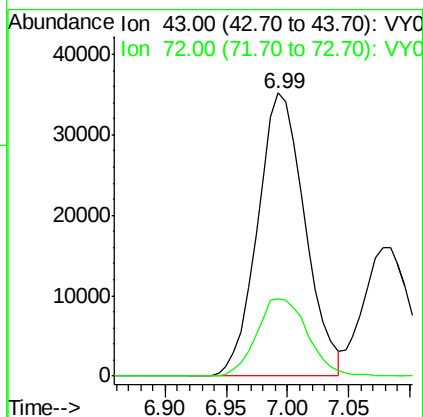
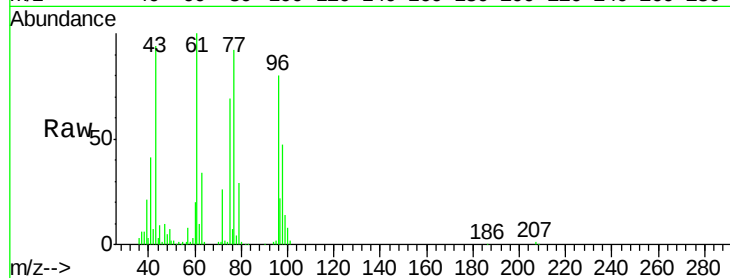
VY0519SBS01

Tot Ion: 43 Resp: 94447

Ion Ratio Lower Upper

43 100

72 27.4 24.1 36.1



#26

2,2-Dichloropropane

Concen: 20.789 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY002714.D

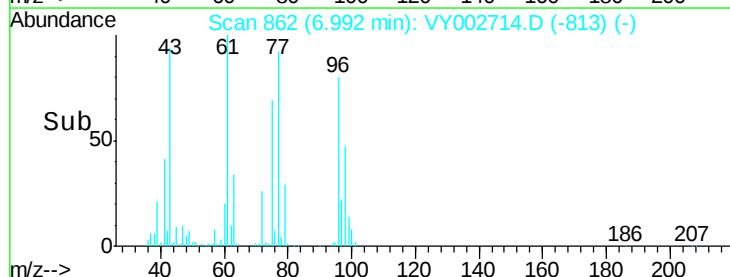
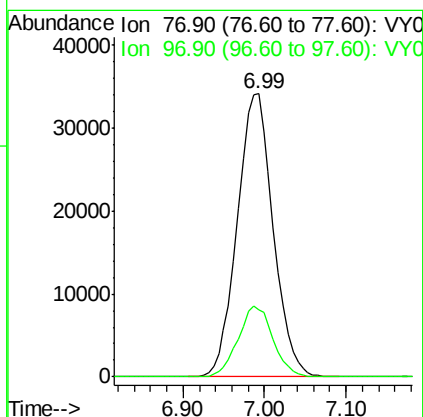
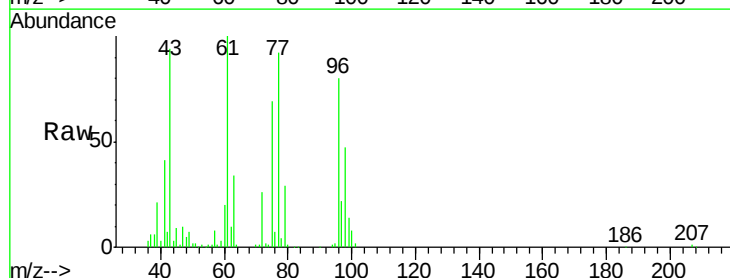
Acq: 19 May 2020 11:13

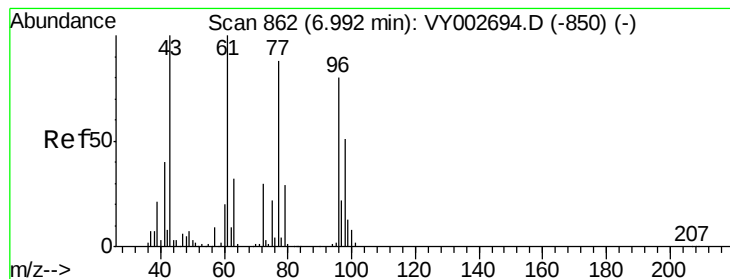
Tgt Ion: 77 Resp: 104306

Ion Ratio Lower Upper

77 100

97 24.3 12.3 36.9



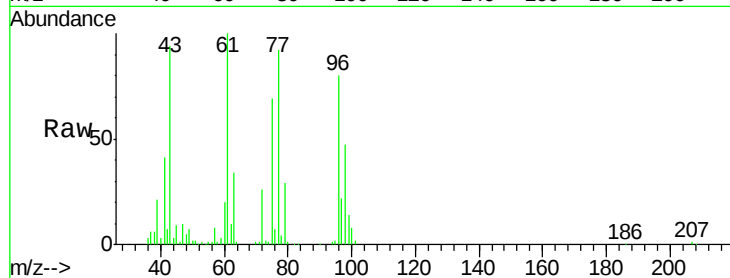


#27

cis-1,2-Dichloroethene
 Concen: 20.553 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VY002714.D
 Acq: 19 May 2020 11:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBS01

Tot Ion	96	Resp	78240
Ion	Ratio	Lower	Upper
96	100		
61	132.4	0.0	258.0
98	64.2	0.0	128.4

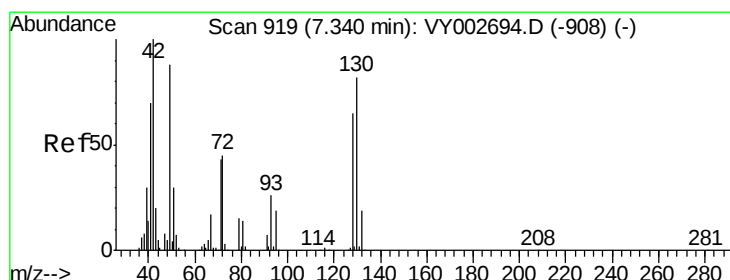
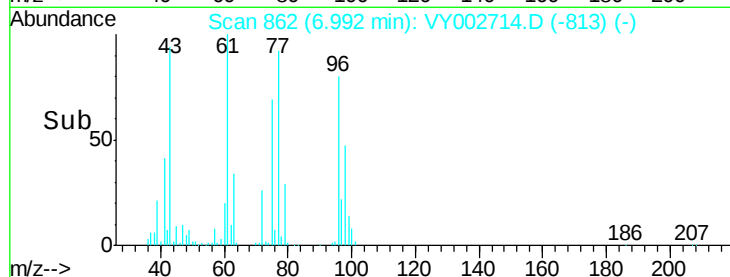
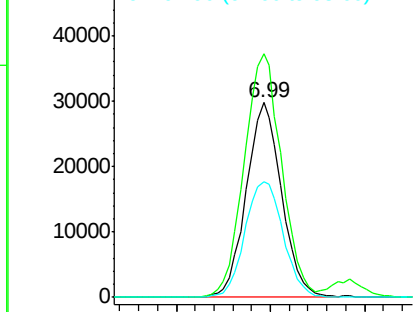


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

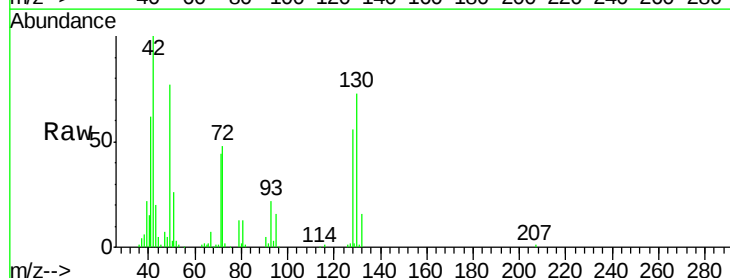
Ion 97.90 (97.60 to 98.60): VY0



#28

Bromochloromethane
 Concen: 21.698 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VY002714.D
 Acq: 19 May 2020 11:13

Tgt Ion	49	Resp	46285
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.6
130	93.8	75.3	112.9

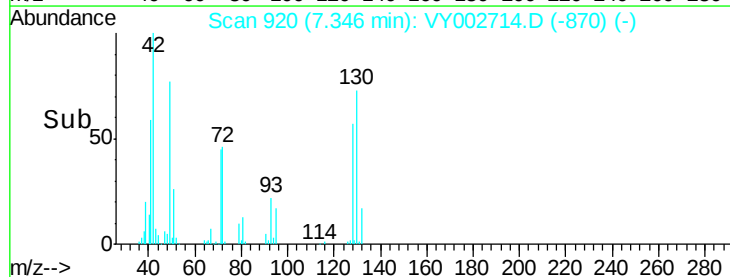
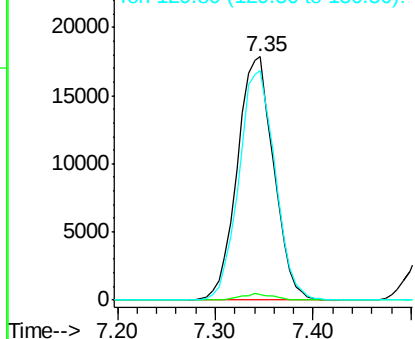


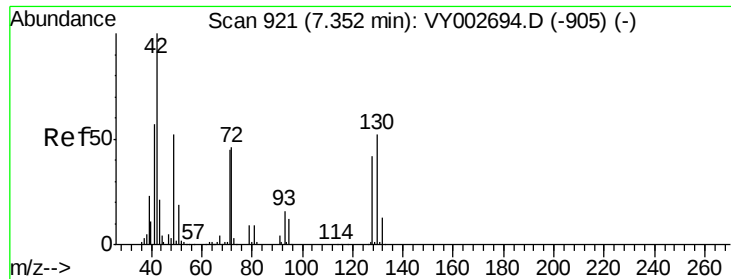
Abundance

Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

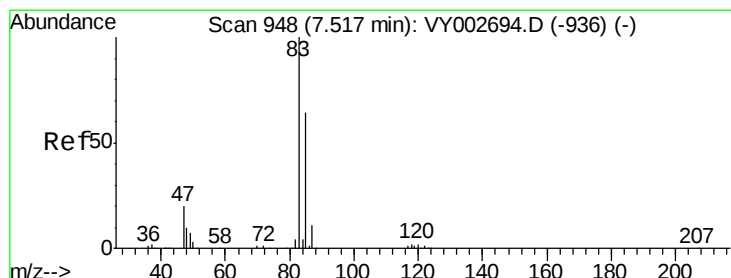
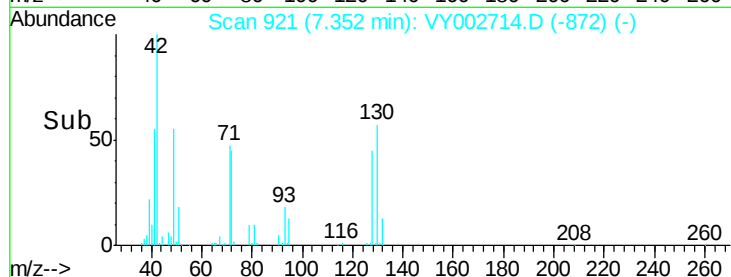
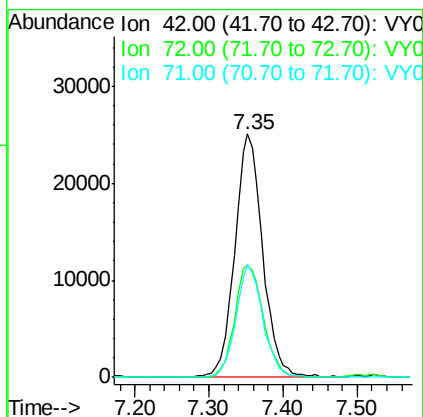
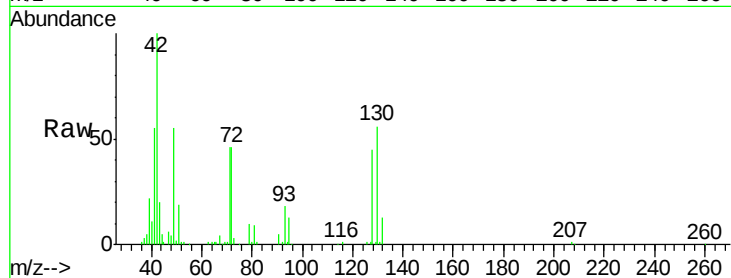




#29
Tetrahydrofuran
Concen: 100.300 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY002714.D
Acq: 19 May 2020 11:13

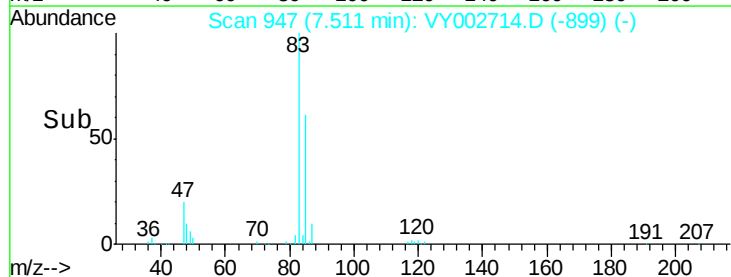
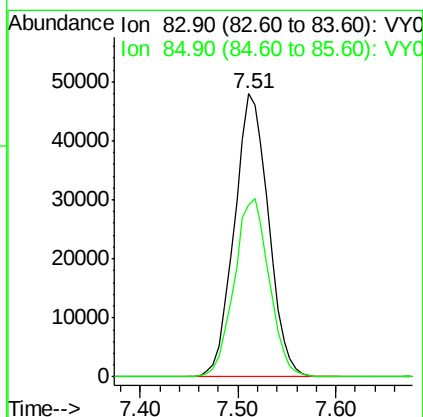
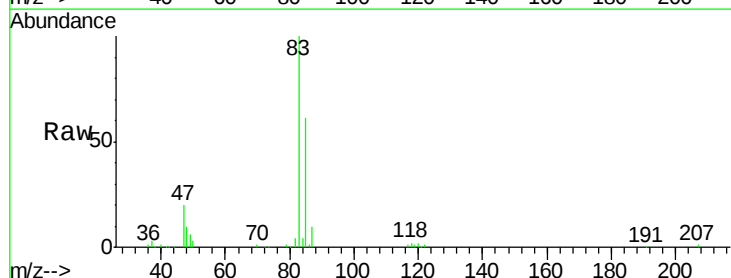
Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBS01

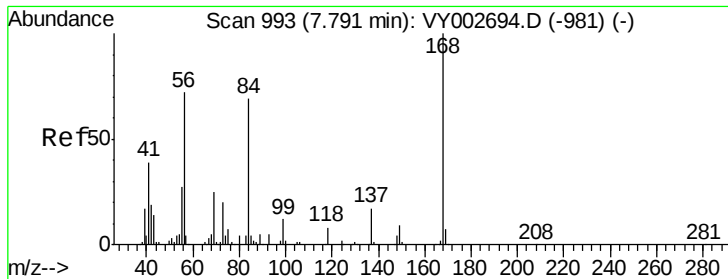
Tot Ion: 42 Resp: 65764
Ion Ratio Lower Upper
42 100
72 47.5 38.2 57.2
71 44.6 35.8 53.8



#30
Chloroform
Concen: 20.763 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.01 min
Lab File: VY002714.D
Acq: 19 May 2020 11:13

Tgt Ion: 83 Resp: 116203
Ion Ratio Lower Upper
83 100
85 61.0 51.5 77.3





#31

Cyclohexane

Concen: 20.305 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

Instrument :

MSVOA_Y

ClientSampleId :

VY0519SBS01

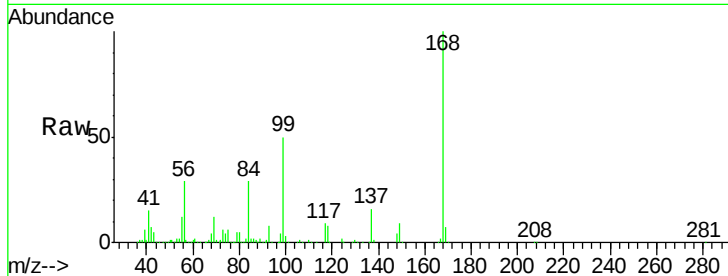
Tot Ion: 56 Resp: 111053

Ion Ratio Lower Upper

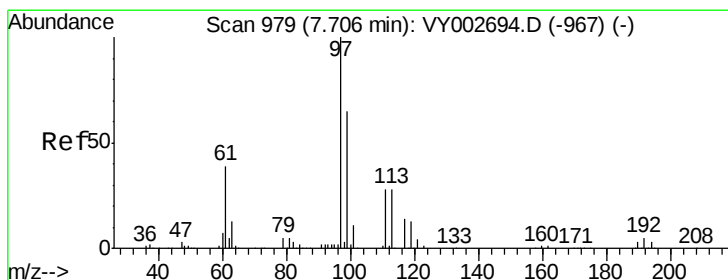
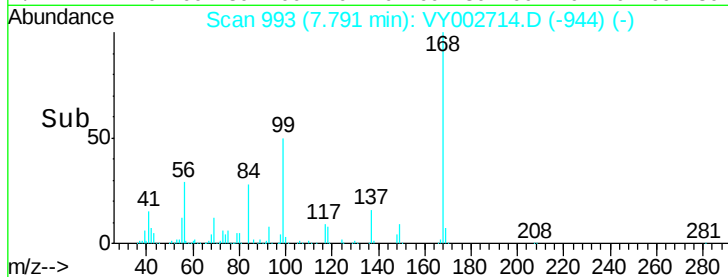
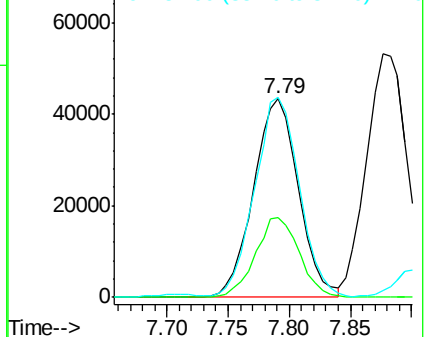
56 100

69 40.2 27.7 41.5

84 99.3 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: 20.767 ug/l

RT: 7.71 min Scan# 979

Delta R.T. 0.00 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

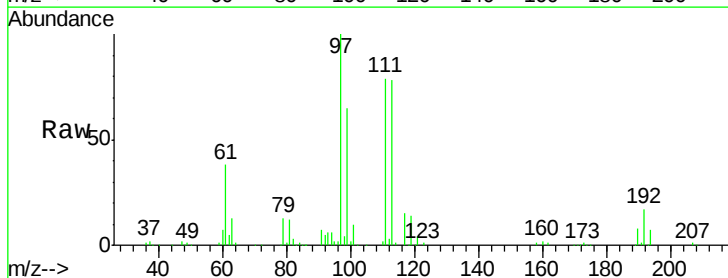
Tgt Ion: 97 Resp: 107391

Ion Ratio Lower Upper

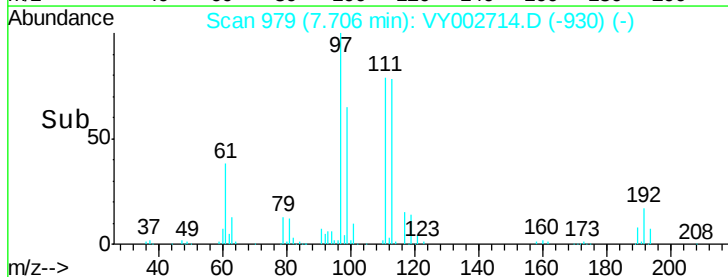
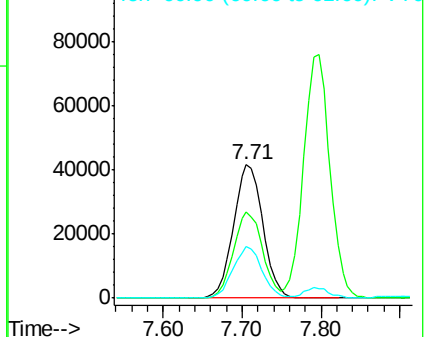
97 100

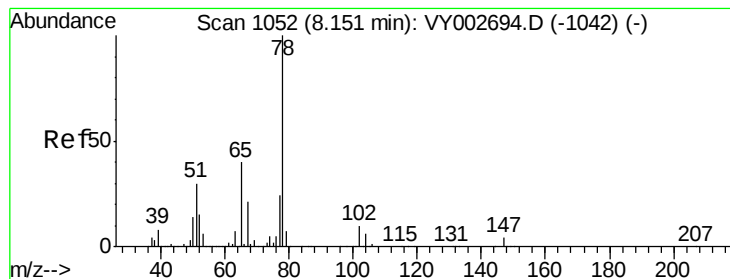
99 64.2 51.6 77.4

61 38.4 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: 51.606 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

Instrument :

MSVOA_Y

ClientSampleId :

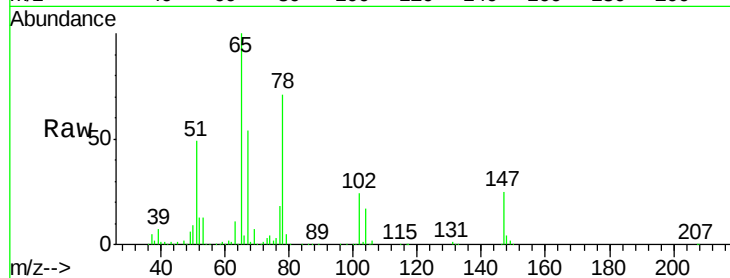
VY0519SBS01

Tot Ion: 65 Resp: 145805

Ion Ratio Lower Upper

65 100

67 54.3 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.14

60000

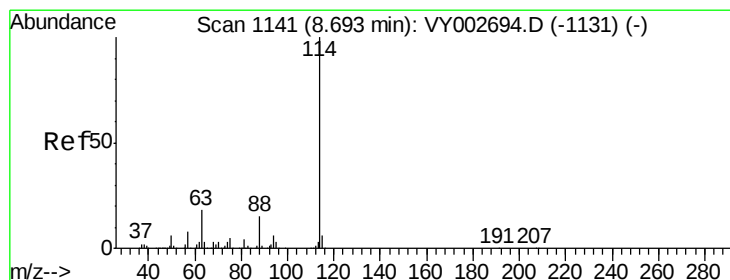
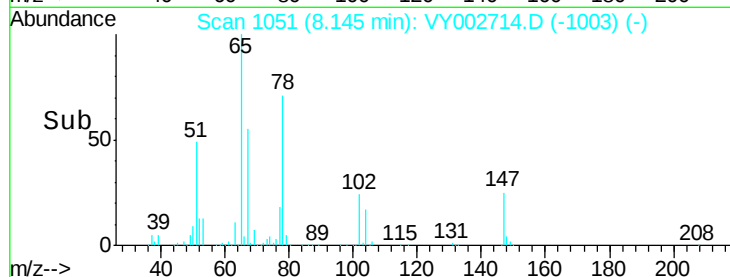
40000

20000

0

Time-->

8.05 8.10 8.15 8.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

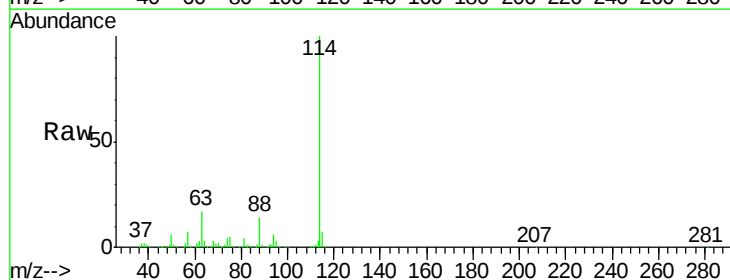
Tgt Ion: 114 Resp: 532534

Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.4

88 14.1 0.0 29.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

8.69

300000

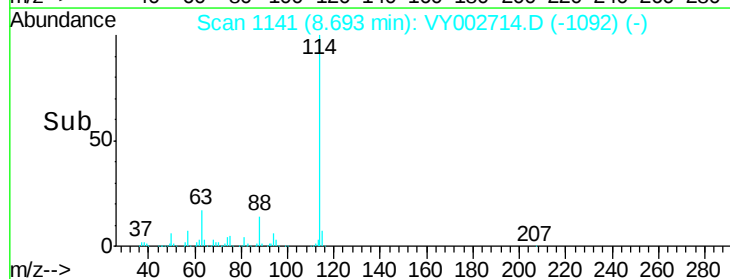
200000

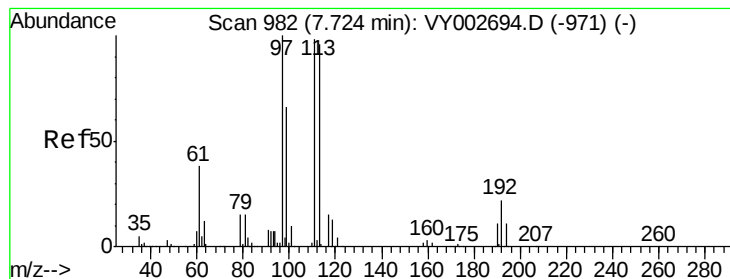
100000

0

Time-->

8.60 8.70 8.80





#35

Dibromofluoromethane

Concen: 53.000 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

Instrument :

MSVOA_Y

ClientSampleId :

VY0519SBS01

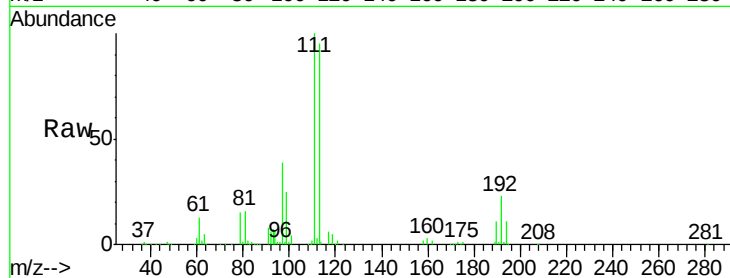
Tot Ion:113 Resp: 155762

Ion Ratio Lower Upper

113 100

111 102.5 81.9 122.9

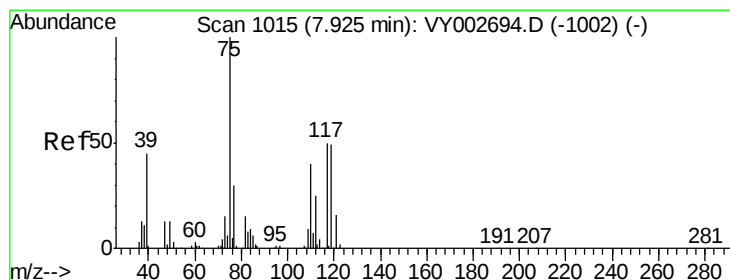
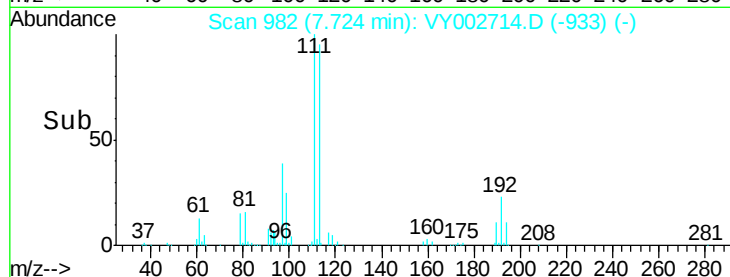
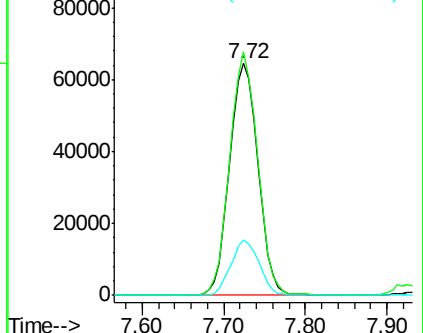
192 23.6 18.6 27.8



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: 21.093 ug/l

RT: 7.93 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

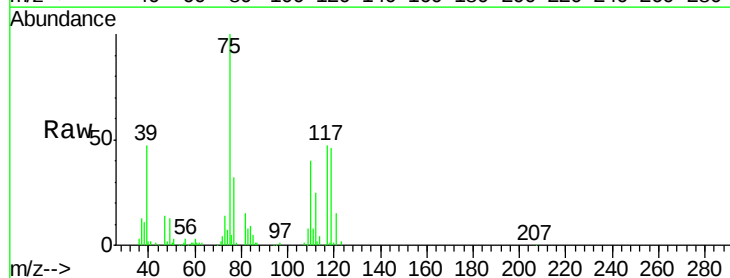
Tgt Ion: 75 Resp: 95090

Ion Ratio Lower Upper

75 100

110 39.0 19.4 58.4

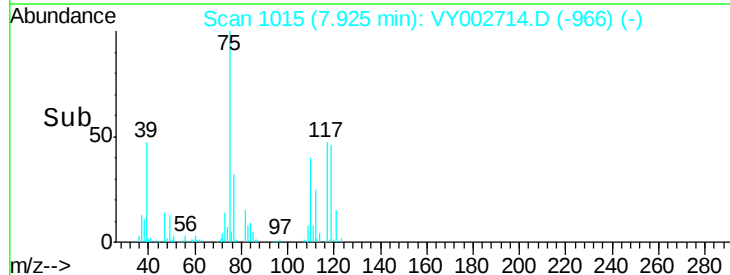
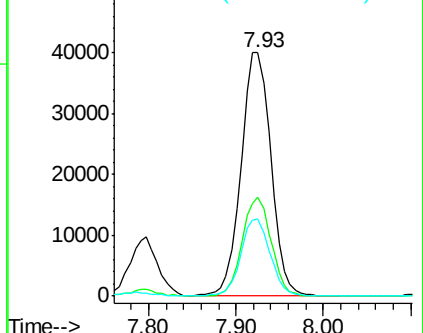
77 31.1 25.0 37.4

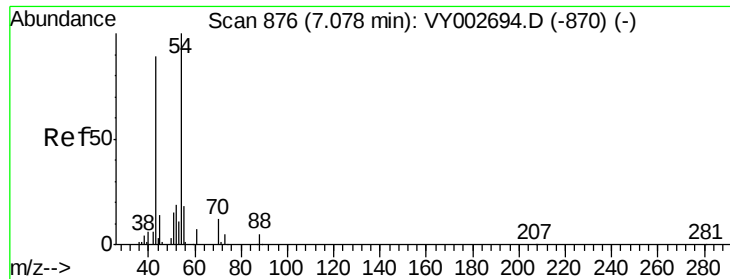


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

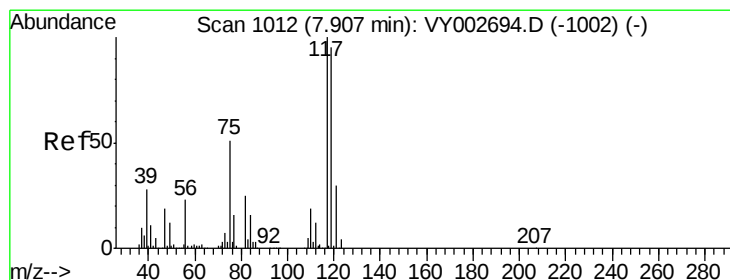
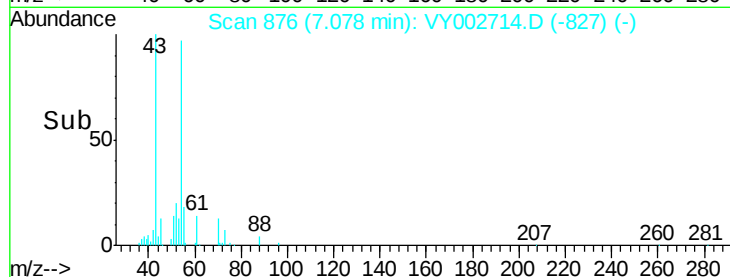
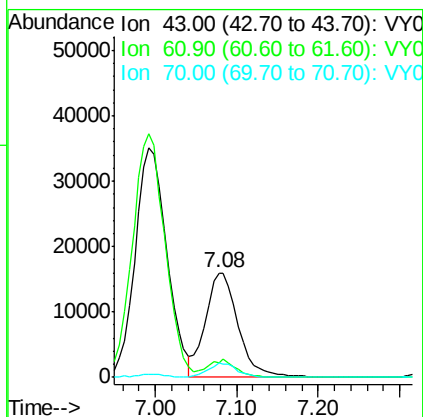
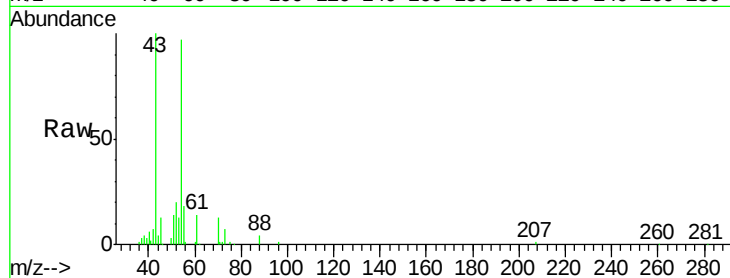




#37
Ethyl Acetate
Concen: 20.329 ug/l
RT: 7.08 min Scan# 876
Delta R.T. 0.00 min
Lab File: VY002714.D
Acq: 19 May 2020 11:13

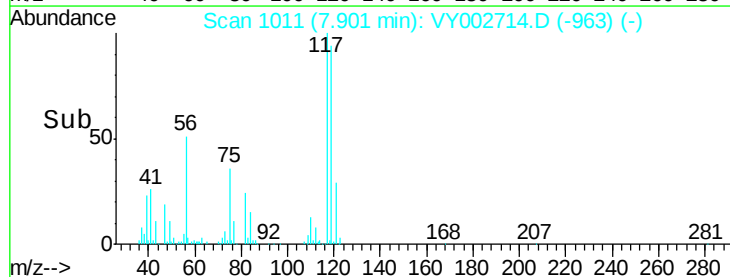
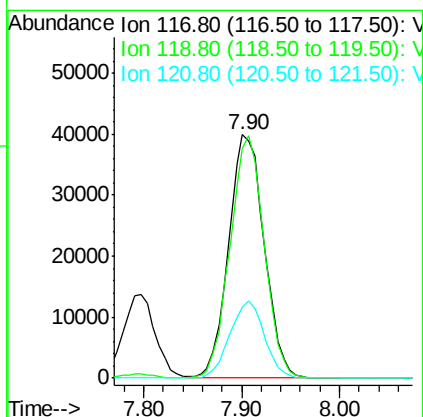
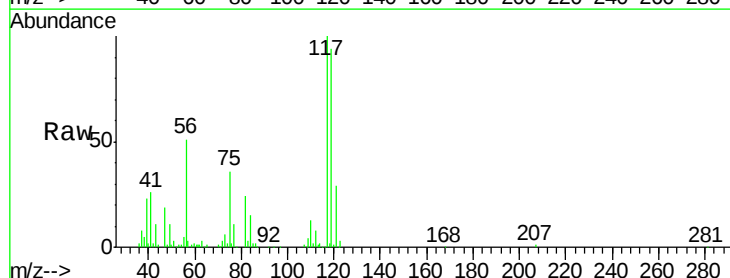
Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBS01

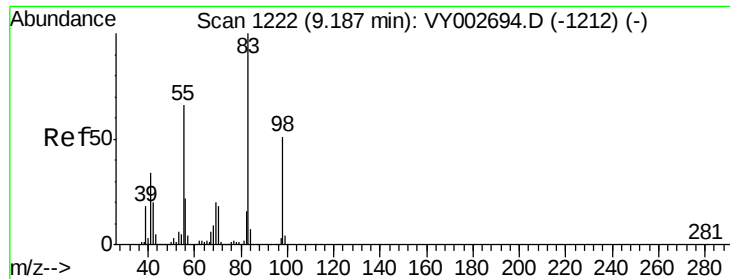
Tot Ion	43	Resp	45076
Ion Ratio	Lower	Upper	
43	100		
61	14.1	11.8	17.8
70	12.1	9.2	13.8



#38
Carbon Tetrachloride
Concen: 20.785 ug/l
RT: 7.90 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VY002714.D
Acq: 19 May 2020 11:13

Tgt Ion	117	Resp	100709
Ion Ratio	Lower	Upper	
117	100		
119	94.1	76.3	114.5
121	29.3	24.2	36.2

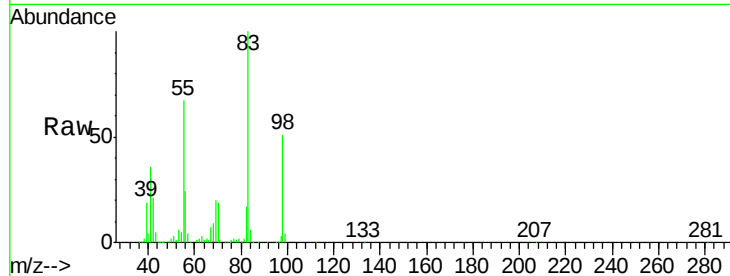




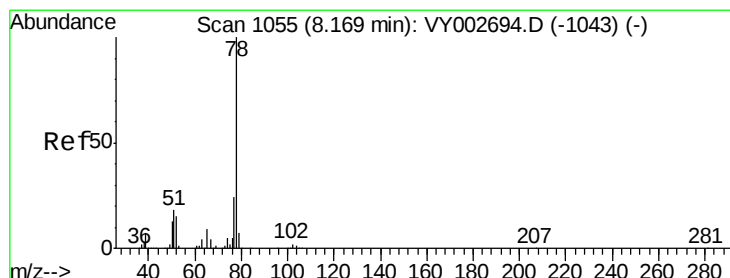
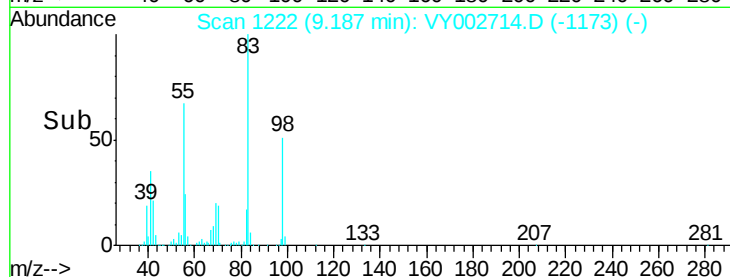
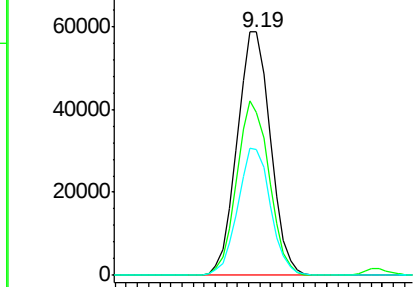
#39
Methvlcvclohexane
Concen: 20.163 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY002714.D
Acq: 19 May 2020 11:13

Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBS01

Tot Ion: 83 Resp: 122220
Ion Ratio Lower Upper
83 100
55 67.0 53.0 79.6
98 51.4 40.8 61.2

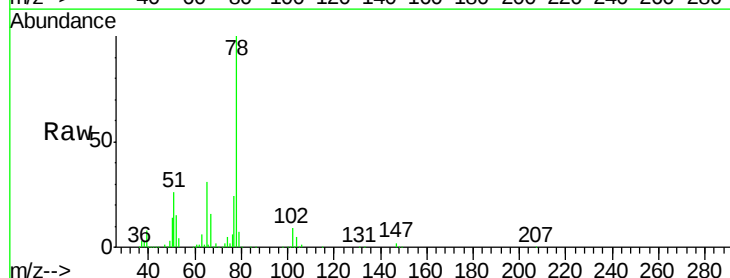


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

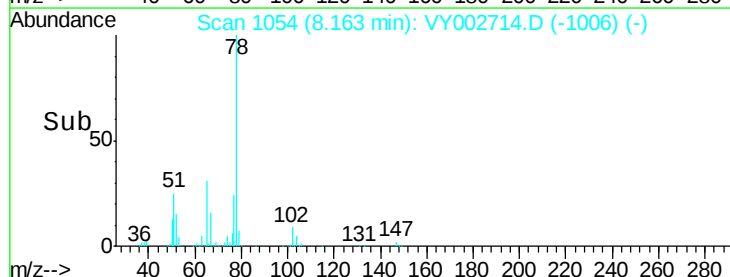
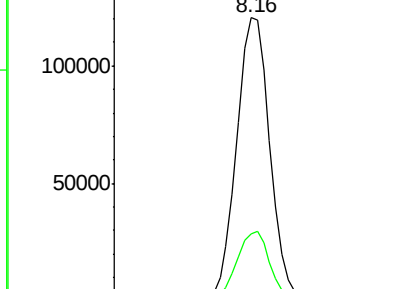


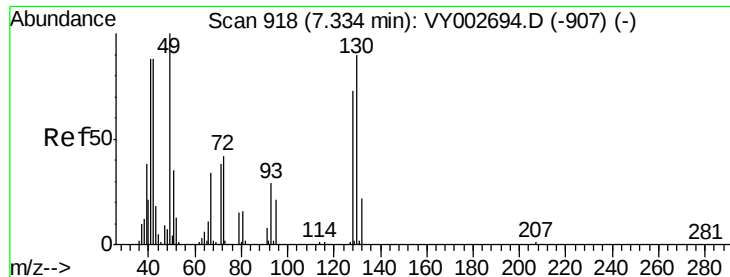
#40
Benzene
Concen: 20.832 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY002714.D
Acq: 19 May 2020 11:13

Tgt Ion: 78 Resp: 274019
Ion Ratio Lower Upper
78 100
77 23.7 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VY0
Ion 77.00 (76.70 to 77.70): VY0

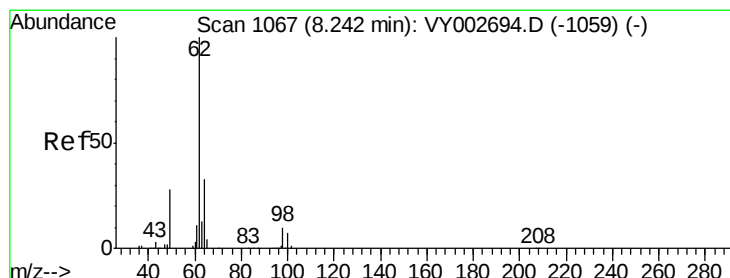
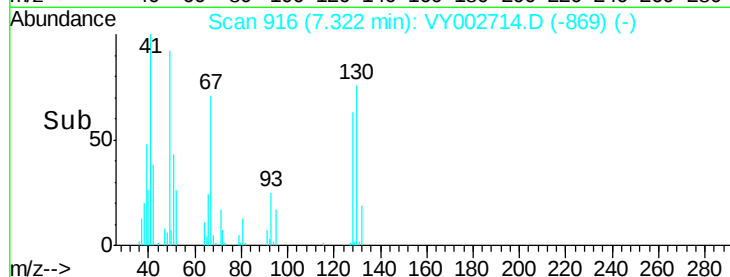
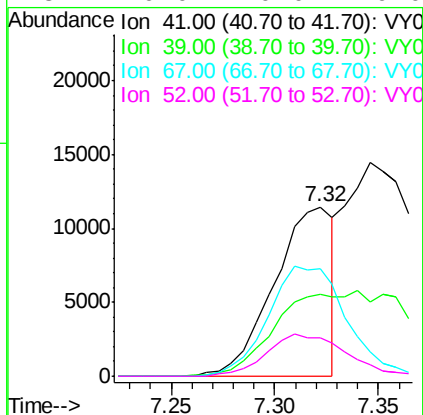
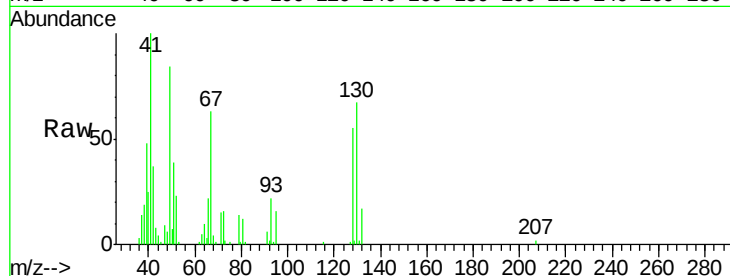




#41
Methacrylonitrile
Concen: 17.313 ug/l m
RT: 7.32 min Scan# 916
Delta R.T. -0.01 min
Lab File: VY002714.D
Acq: 19 May 2020 11:13

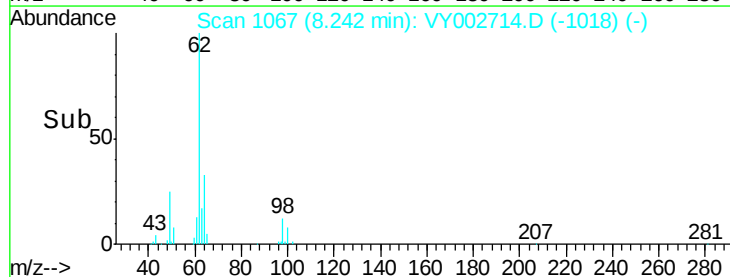
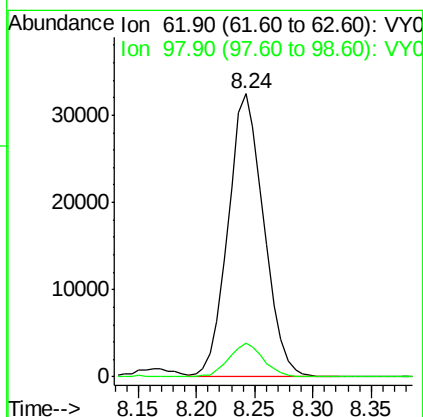
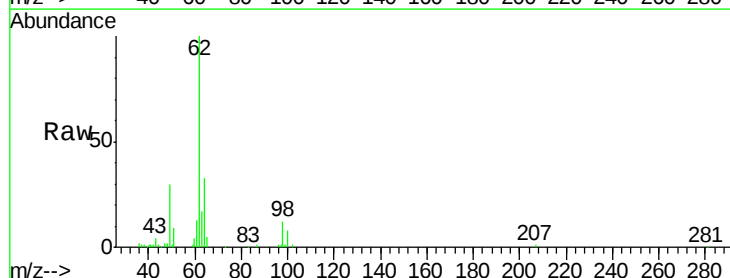
Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBS01

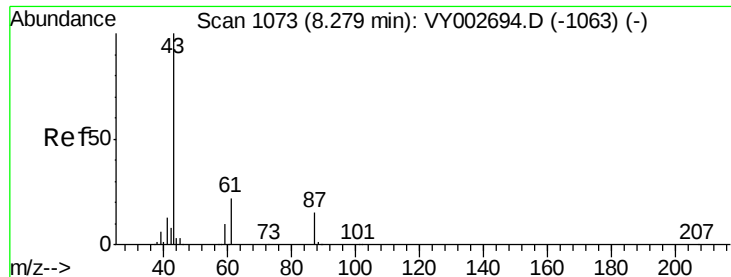
Tot Ion:	41	Resp:	23064
Ion	Ratio	Lower	Upper
41	100		
39	114.6	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 19.930 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VY002714.D
Acq: 19 May 2020 11:13

Tgt Ion:	62	Resp:	69144
Ion	Ratio	Lower	Upper
62	100		
98	11.4	0.0	21.8



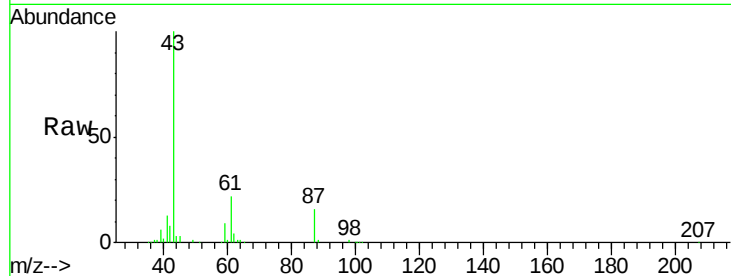


#43

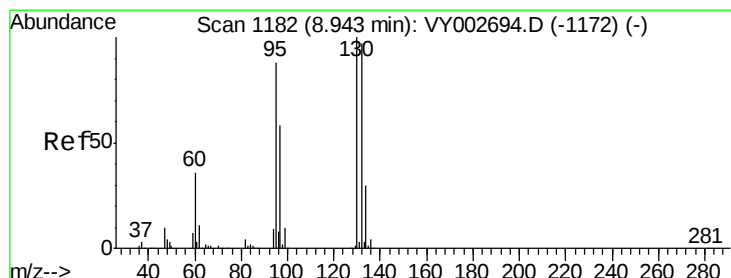
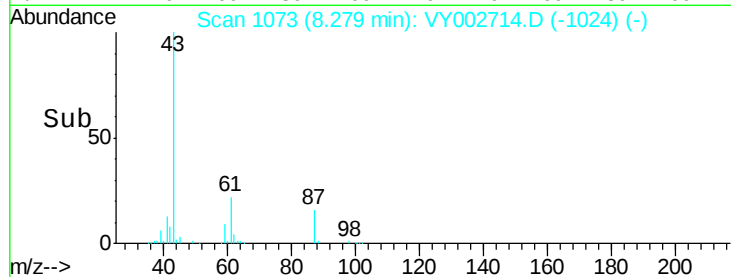
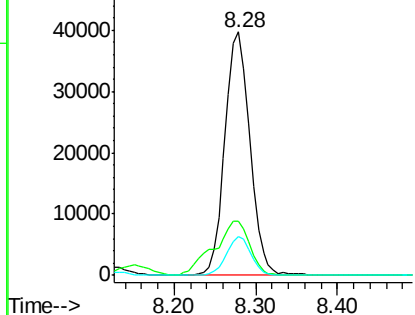
Isopropyl Acetate
 Concen: 20.464 ug/l
 RT: 8.28 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VY002714.D
 Acq: 19 May 2020 11:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBS01

Tot Ion	43	Resp	84326
Ion Ratio	Lower	Upper	
43	100		
61	31.6	24.9	37.3
87	15.4	12.6	19.0



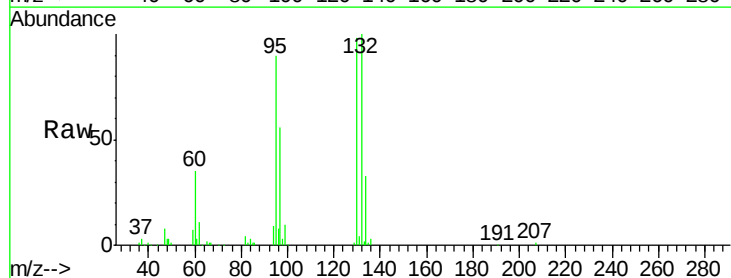
Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 61.00 (60.70 to 61.70): VY0
 Ion 87.00 (86.70 to 87.70): VY0



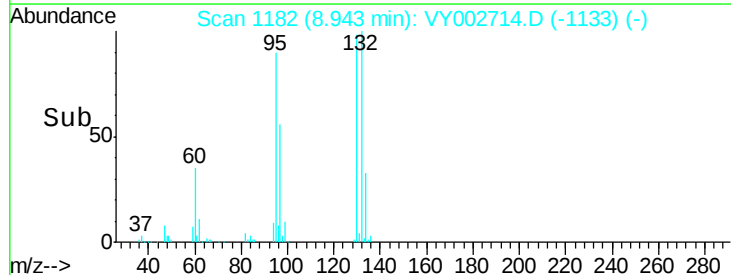
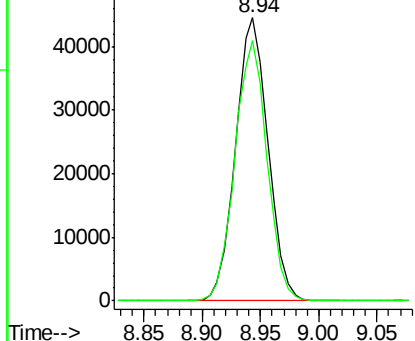
#44

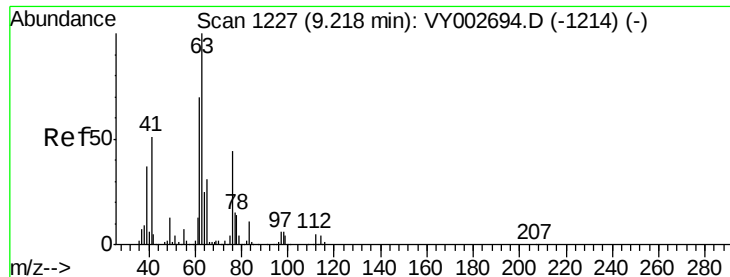
Trichloroethene
 Concen: 20.632 ug/l
 RT: 8.94 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VY002714.D
 Acq: 19 May 2020 11:13

Tgt Ion	130	Resp	86506
Ion Ratio	Lower	Upper	
130	100		
95	92.0	0.0	176.4



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

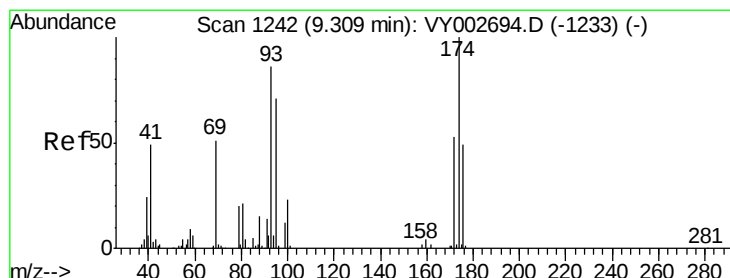
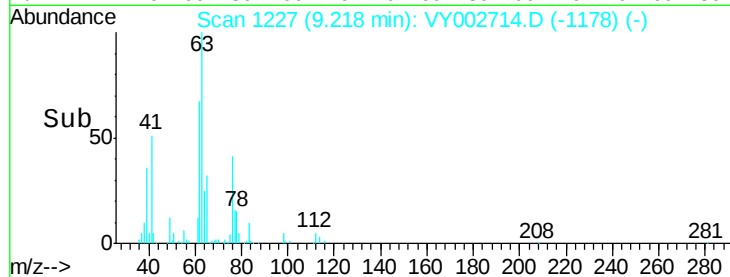
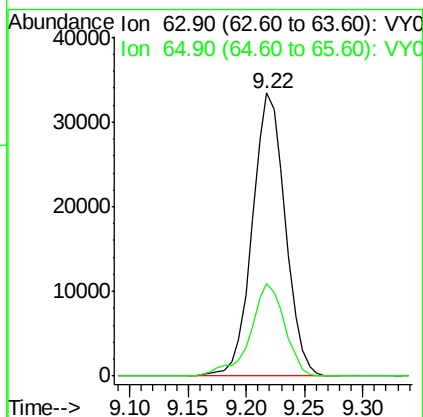
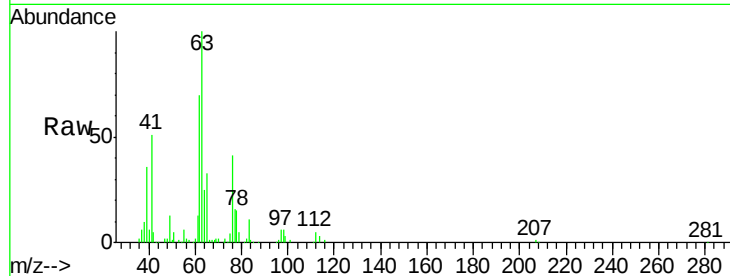




#45
 1,2-Dichloropropane
 Concen: 20.983 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY002714.D
 Acq: 19 May 2020 11:13

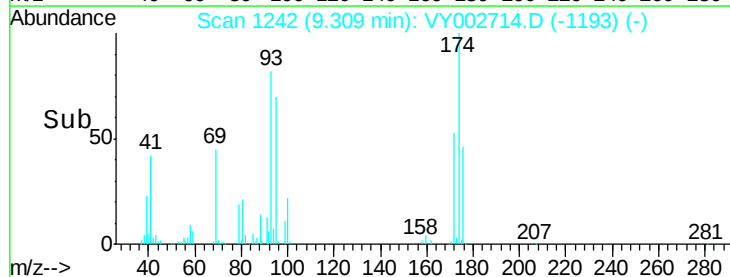
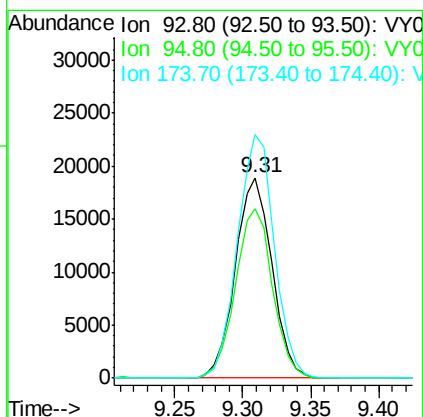
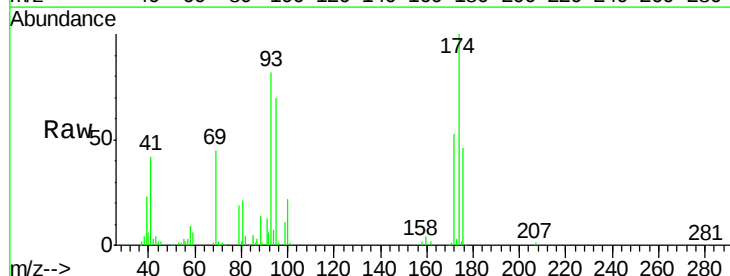
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBS01

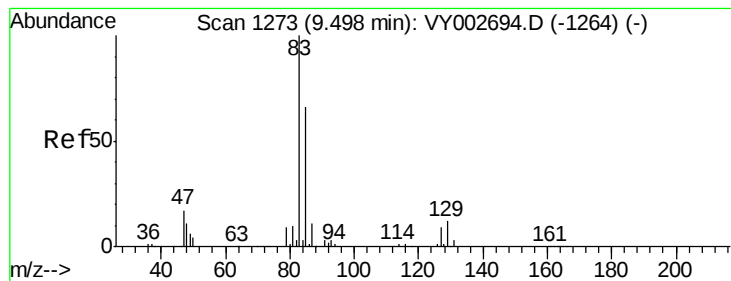
Tot Ion: 63 Resp: 65507
 Ion Ratio Lower Upper
 63 100
 65 32.6 24.7 37.1



#46
 Dibromomethane
 Concen: 20.313 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY002714.D
 Acq: 19 May 2020 11:13

Tgt Ion: 93 Resp: 35629
 Ion Ratio Lower Upper
 93 100
 95 85.0 66.5 99.7
 174 122.3 95.6 143.4





#47

Bromodichloromethane

Concen: 20.399 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

Instrument :

MSVOA_Y

ClientSampleId :

VY0519SBS01

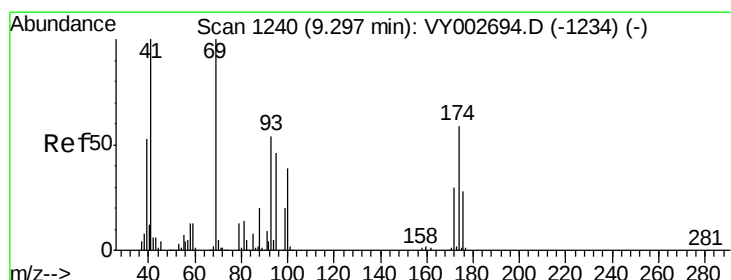
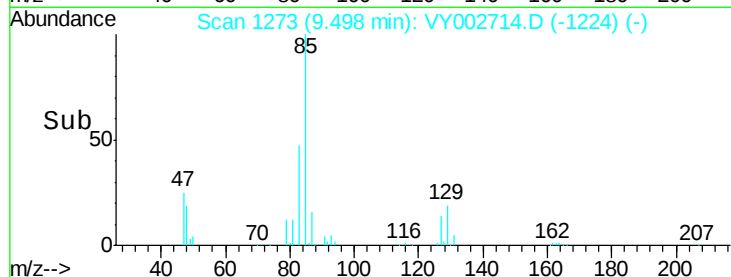
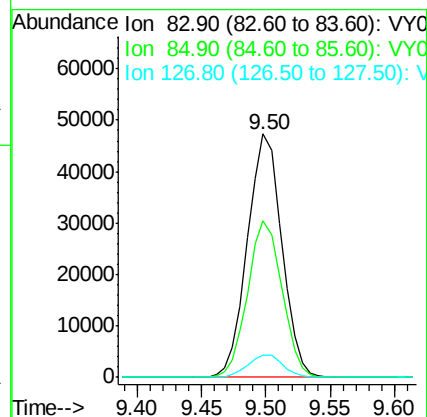
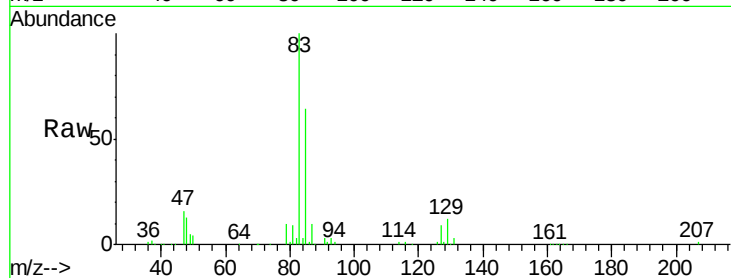
Tot Ion: 83 Resp: 87322

Ion Ratio Lower Upper

83 100

85 64.4 52.4 78.6

127 9.2 7.6 11.4



#48

Methyl methacrylate

Concen: 19.572 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

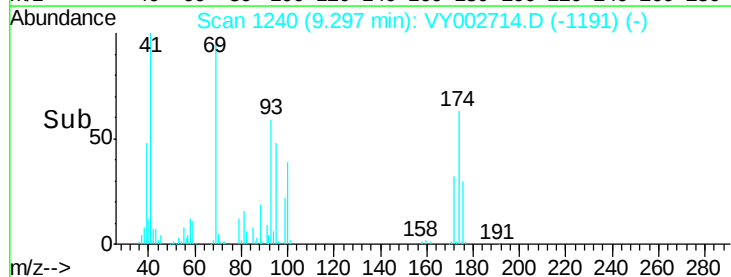
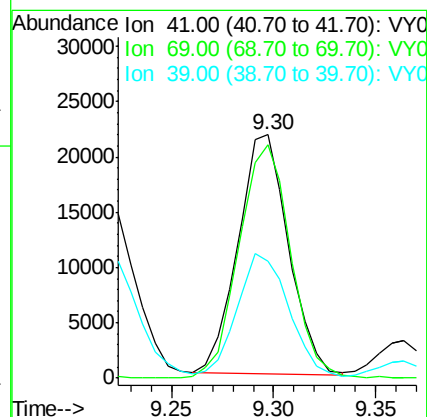
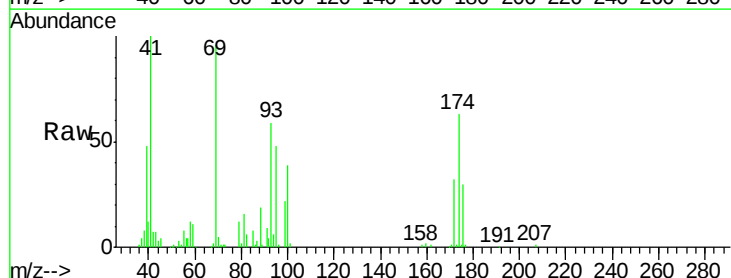
Tgt Ion: 41 Resp: 37134

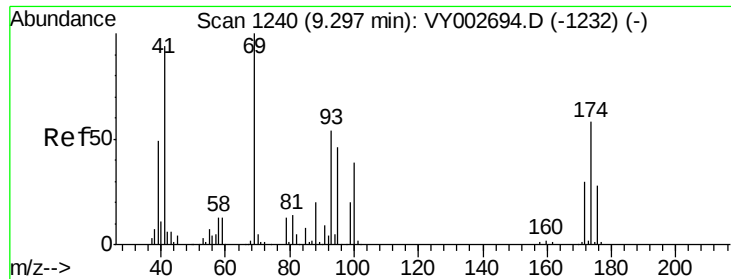
Ion Ratio Lower Upper

41 100

69 100.1 78.7 118.1

39 54.1 42.9 64.3

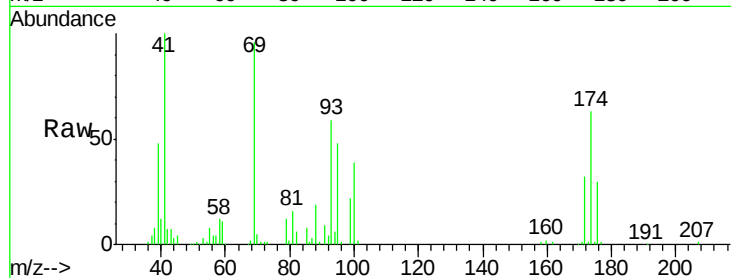




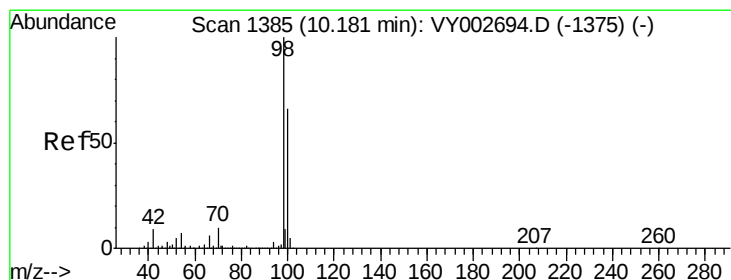
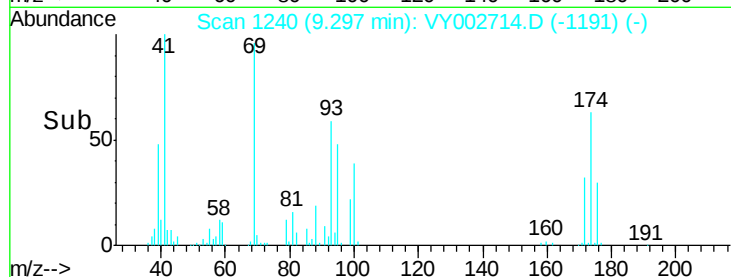
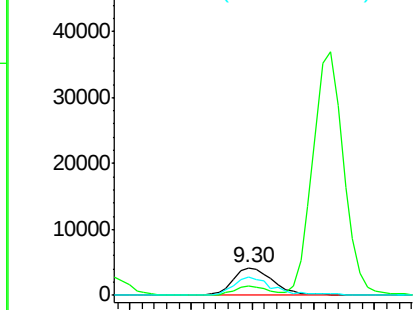
#49
 1,4-Dioxane
 Concen: 400.489 ug/l
 RT: 9.30 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VY002714.D
 Acq: 19 May 2020 11:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBS01

Tot Ion: 88 Resp: 9567
 Ion Ratio Lower Upper
 88 100
 43 28.4 23.4 35.0
 58 66.3 54.5 81.7

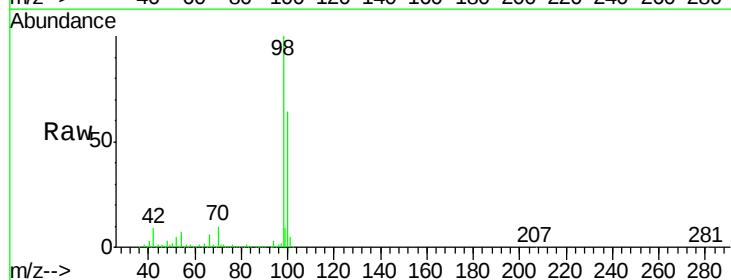


Abundance Ion 88.00 (87.70 to 88.70): VY0
 Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

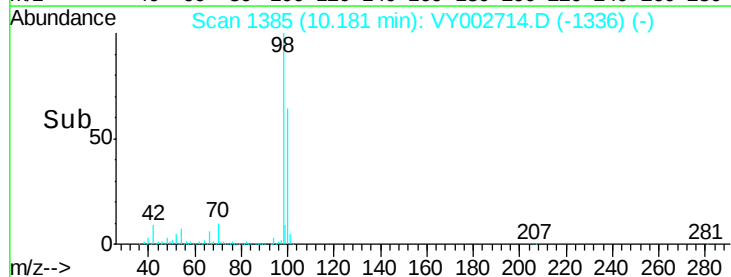
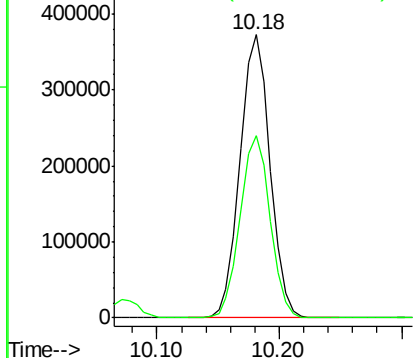


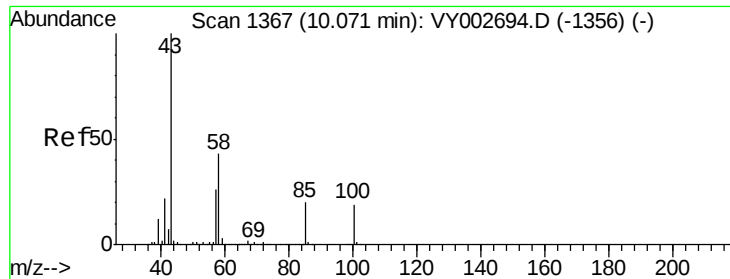
#50
 Toluene-d8
 Concen: 53.533 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VY002714.D
 Acq: 19 May 2020 11:13

Tgt Ion: 98 Resp: 633428
 Ion Ratio Lower Upper
 98 100
 100 64.6 52.3 78.5



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

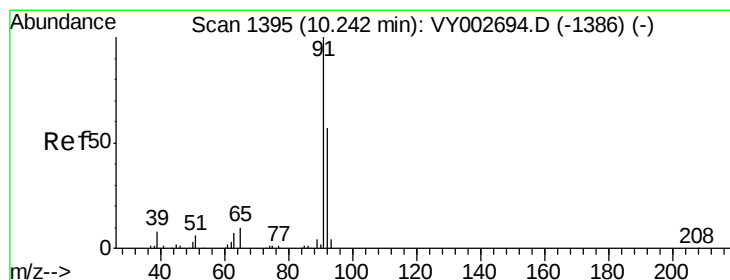
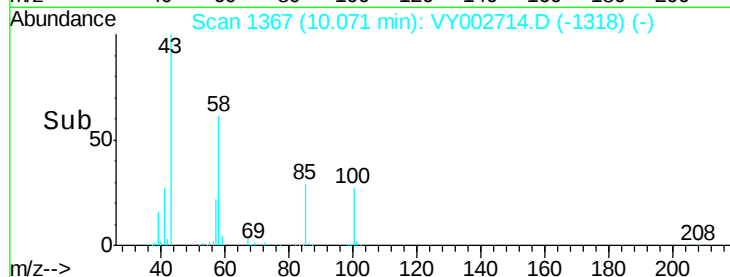
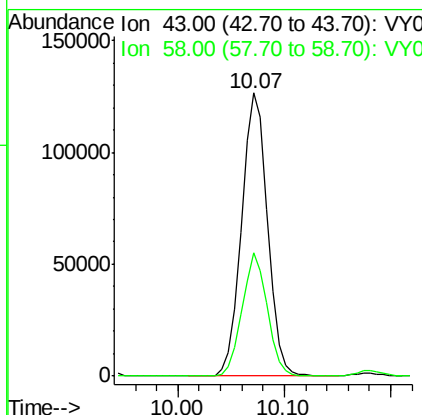
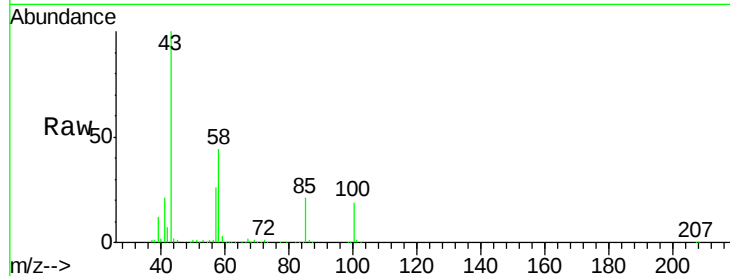




#51
 4-Methyl-2-Pentanone
 Concen: 101.975 ug/l
 RT: 10.07 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VY002714.D
 Acq: 19 May 2020 11:13

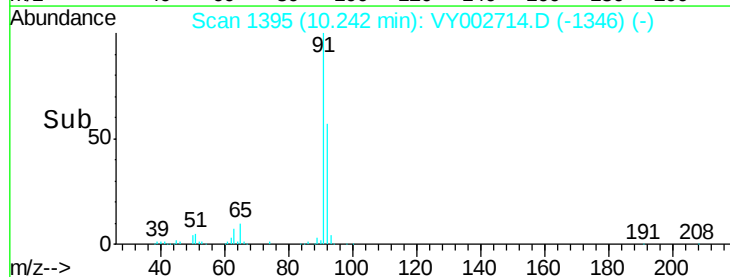
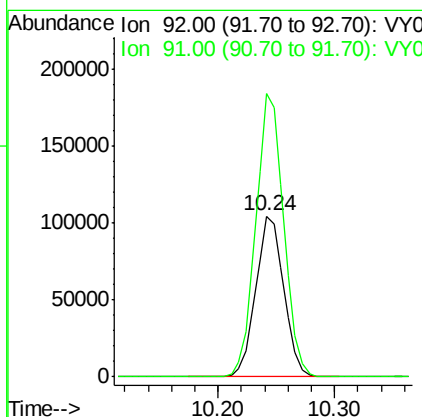
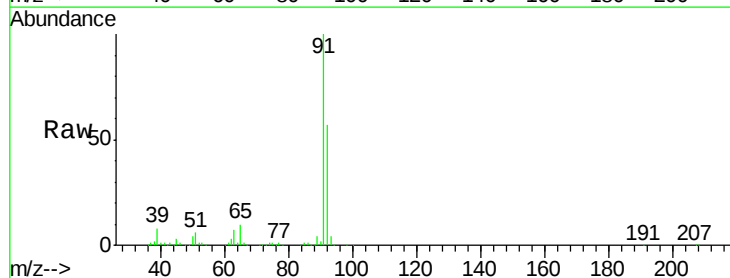
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBS01

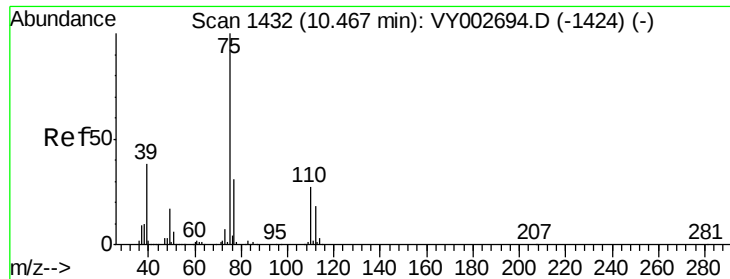
Tot Ion: 43 Resp: 216956
 Ion Ratio Lower Upper
 43 100
 58 42.2 34.1 51.1



#52
 Toluene
 Concen: 20.636 ug/l
 RT: 10.24 min Scan# 1395
 Delta R.T. 0.00 min
 Lab File: VY002714.D
 Acq: 19 May 2020 11:13

Tgt Ion: 92 Resp: 175662
 Ion Ratio Lower Upper
 92 100
 91 175.0 138.8 208.2





#53

t-1,3-Dichloropropene

Concen: 20.500 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

Instrument :

MSVOA_Y

ClientSampleId :

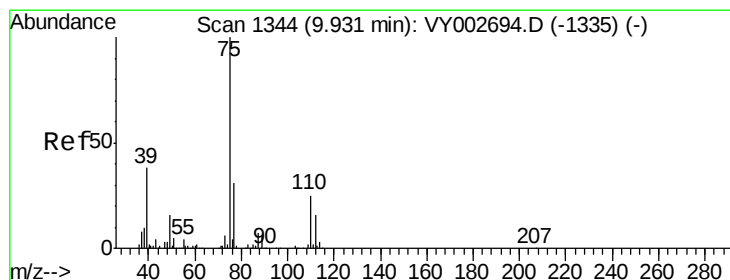
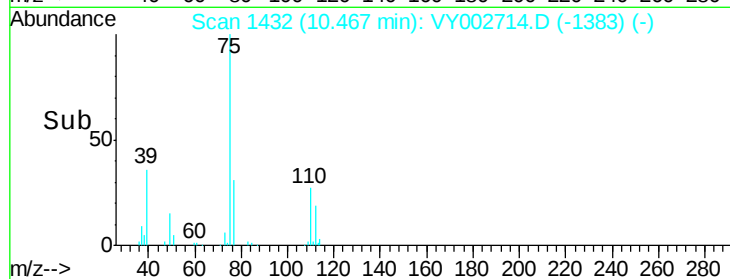
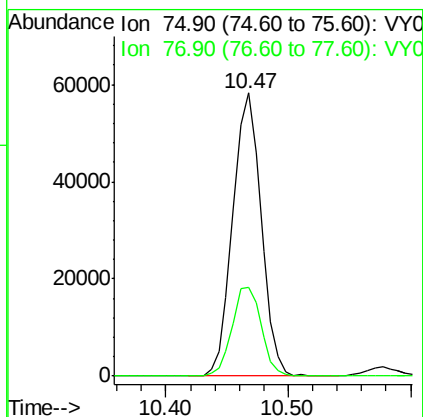
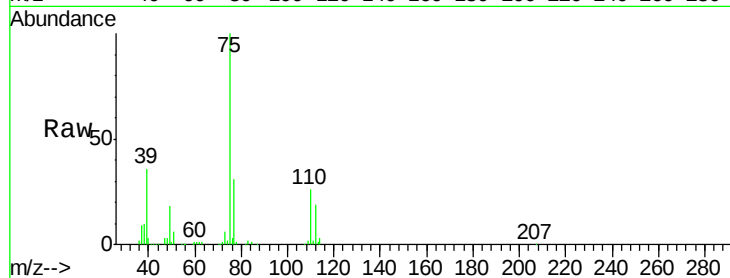
VY0519SBS01

Tot Ion: 75 Resp: 93664

Ion Ratio Lower Upper

75 100

77 31.3 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 20.700 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

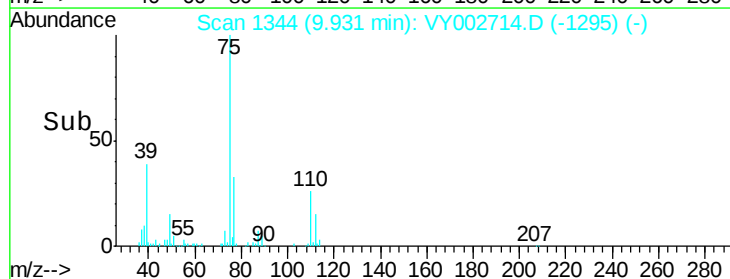
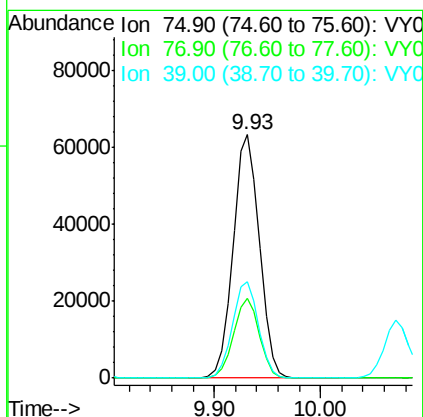
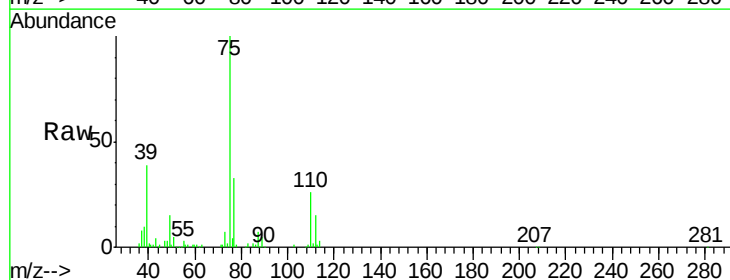
Tgt Ion: 75 Resp: 109640

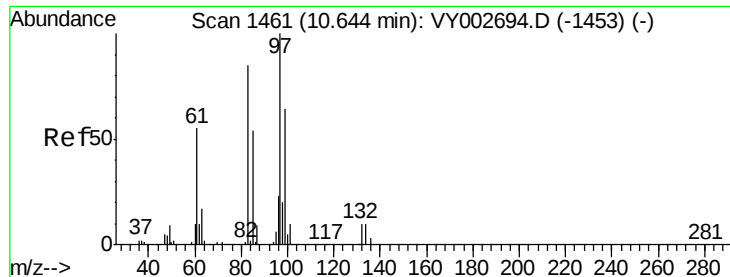
Ion Ratio Lower Upper

75 100

77 32.7 24.8 37.2

39 39.5 30.7 46.1

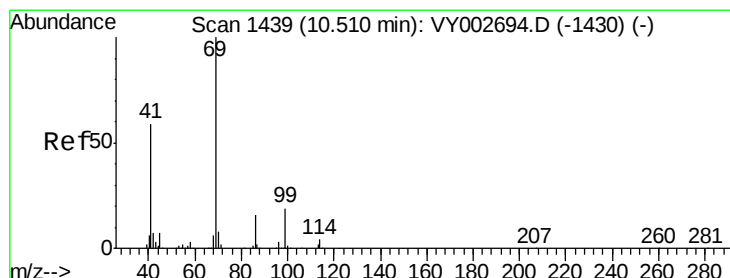
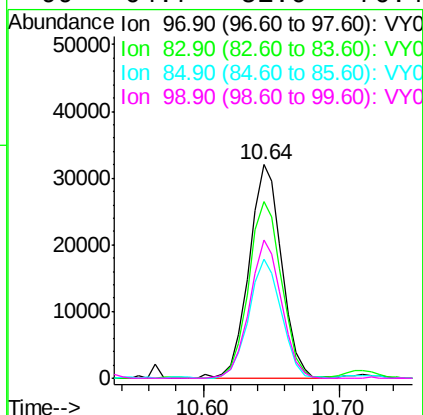
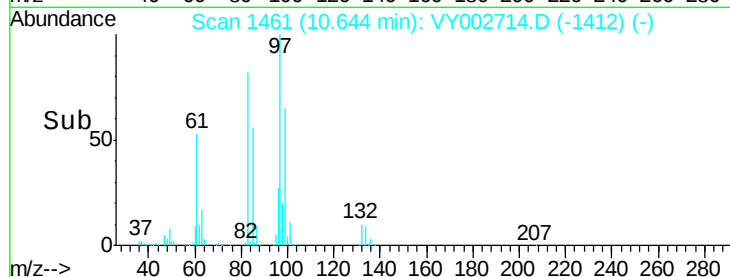
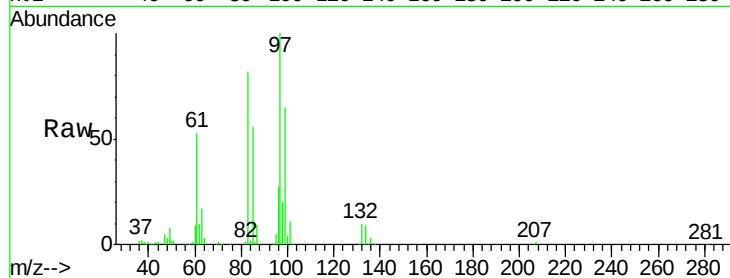




#55
 1,1,2-Trichloroethane
 Concen: 20.595 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY002714.D
 Acq: 19 May 2020 11:13

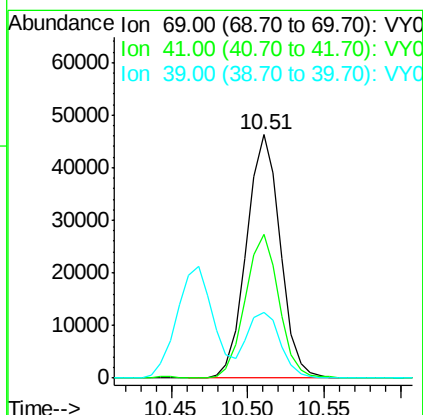
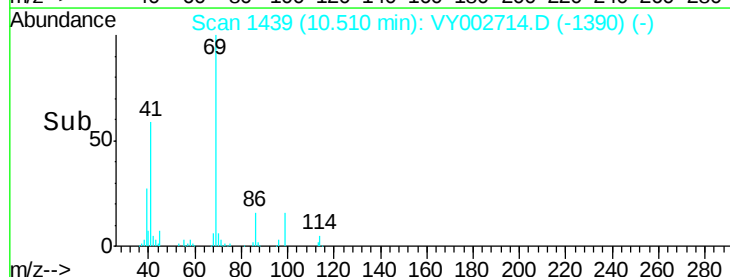
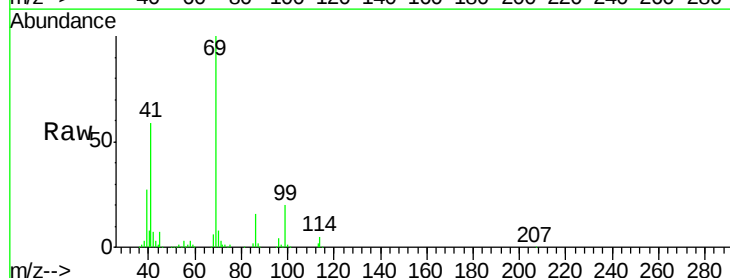
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBS01

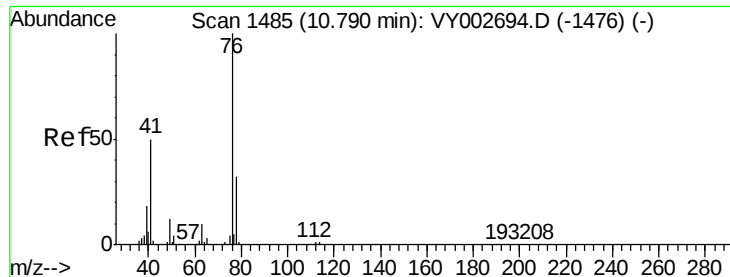
Tot Ion:	97	Resp:	53780
Ion	Ratio	Lower	Upper
97	100		
83	82.2	68.1	102.1
85	55.5	43.1	64.7
99	64.7	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 20.399 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY002714.D
 Acq: 19 May 2020 11:13

Tgt Ion:	69	Resp:	70915
Ion	Ratio	Lower	Upper
69	100		
41	58.5	48.0	72.0
39	27.0	22.1	33.1





#57

1,3-Dichloropropane

Concen: 20.450 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

Instrument :

MSVOA_Y

ClientSampleId :

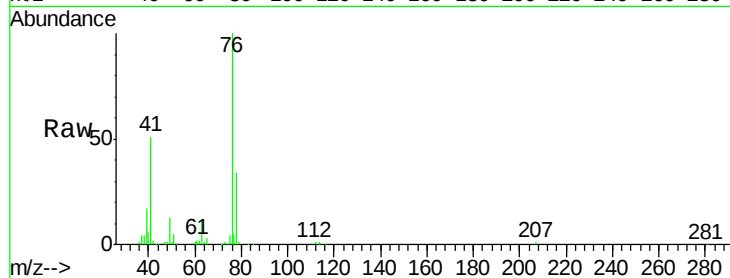
VY0519SBS01

Tot Ion: 76 Resp: 89488

Ion Ratio Lower Upper

76 100

78 33.0 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

10.79

60000

50000

40000

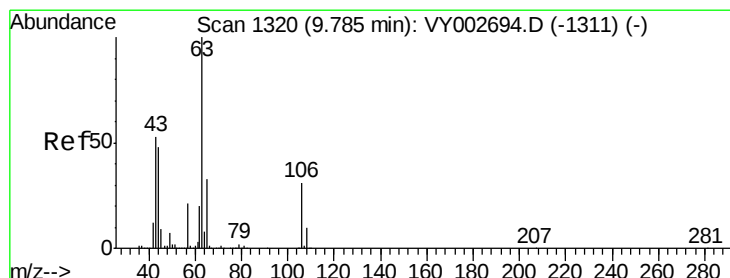
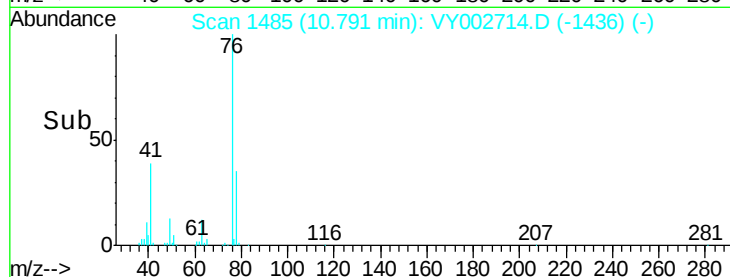
30000

20000

10000

0

Time--> 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 99.240 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY002714.D

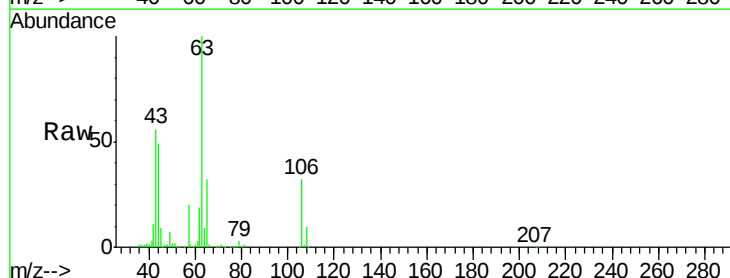
Acq: 19 May 2020 11:13

Tgt Ion: 63 Resp: 170312

Ion Ratio Lower Upper

63 100

106 31.3 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

9.78

120000

100000

80000

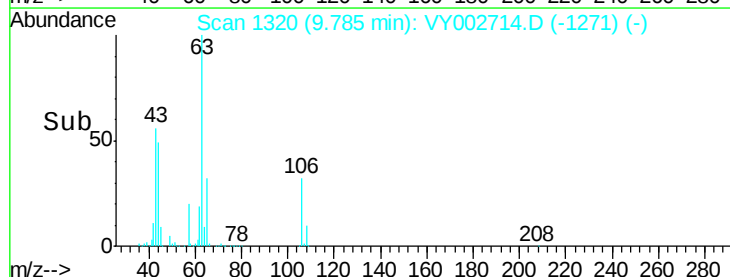
60000

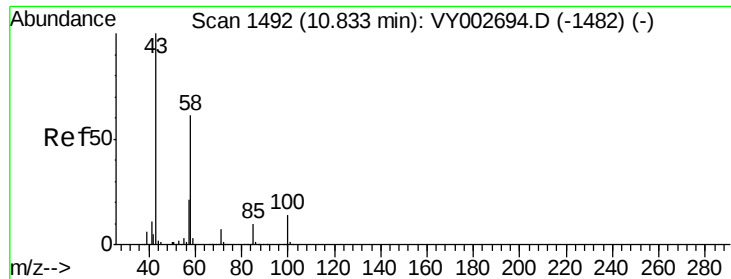
40000

20000

0

Time--> 9.70 9.75 9.80 9.85

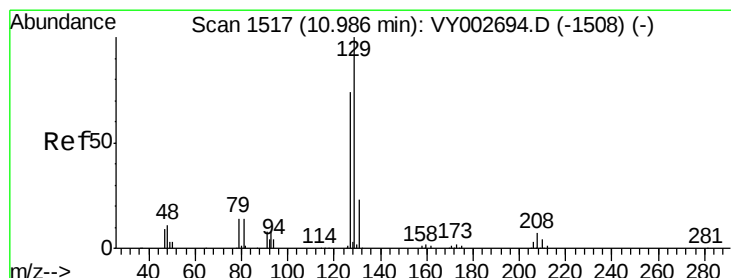
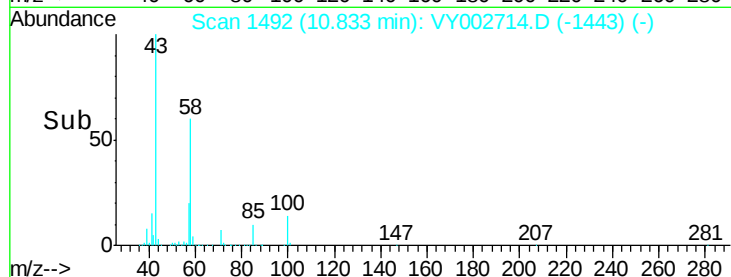
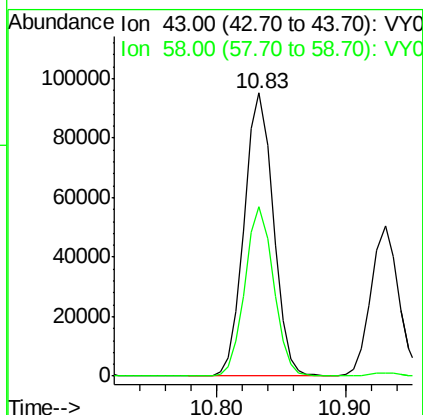
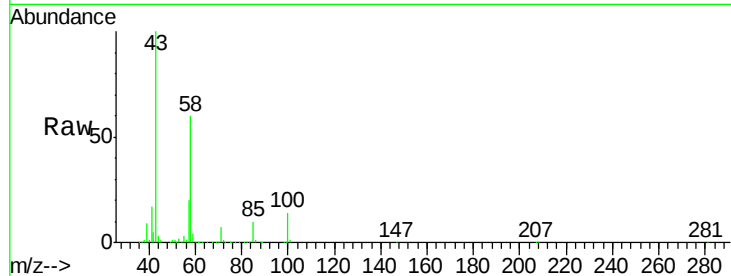




#59
2-Hexanone
Concen: 100.290 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY002714.D
Acq: 19 May 2020 11:13

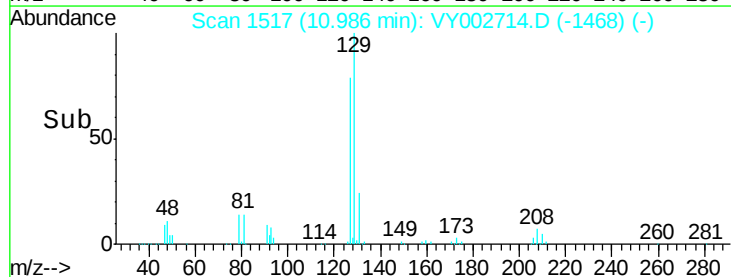
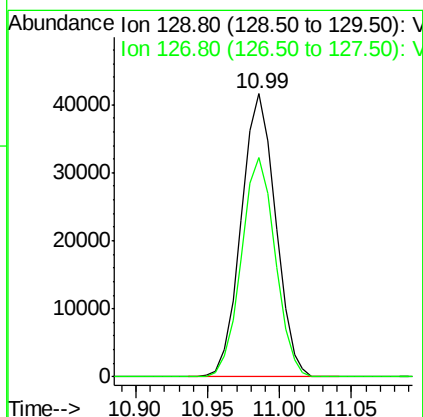
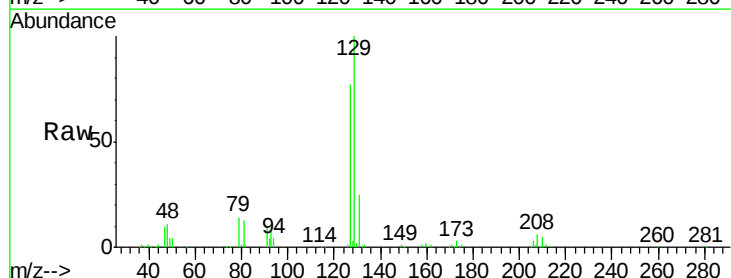
Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBS01

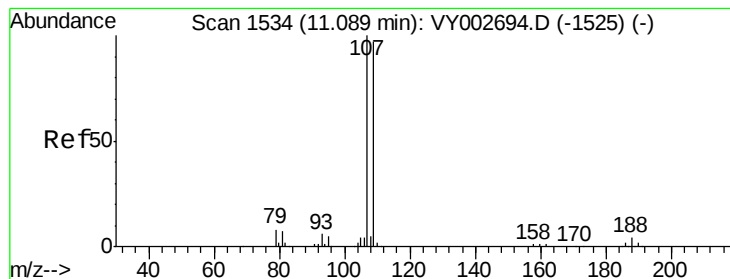
Tot Ion: 43 Resp: 148655
Ion Ratio Lower Upper
43 100
58 58.9 29.8 89.4



#60
Dibromochloromethane
Concen: 20.618 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY002714.D
Acq: 19 May 2020 11:13

Tgt Ion: 129 Resp: 68782
Ion Ratio Lower Upper
129 100
127 76.3 38.5 115.3





#61

1,2-Dibromoethane

Concen: 20.742 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

Instrument :

MSVOA_Y

ClientSampleId :

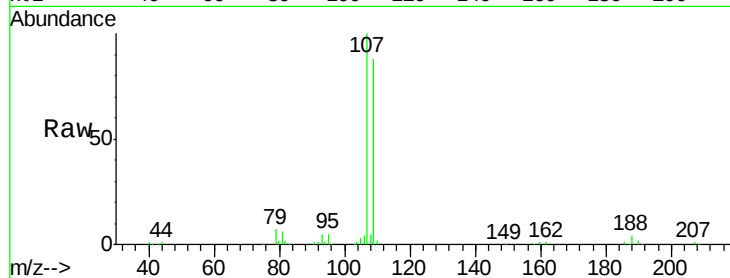
VY0519SBS01

Tot Ion:107 Resp: 53363

Ion Ratio Lower Upper

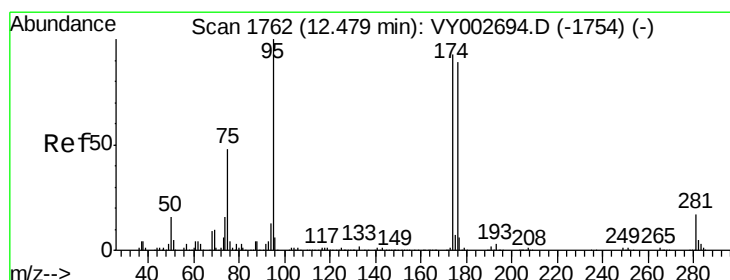
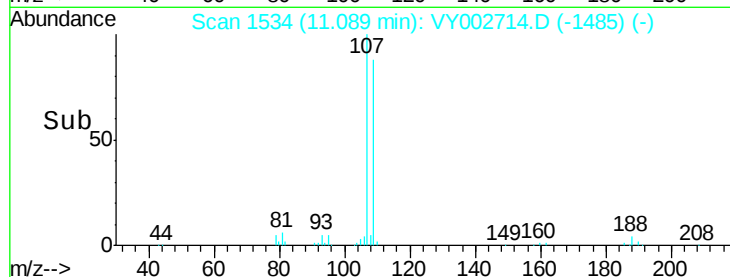
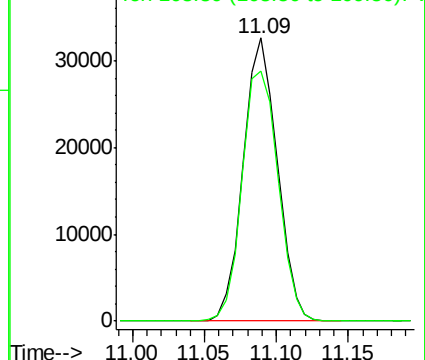
107 100

109 94.2 76.1 114.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.248 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

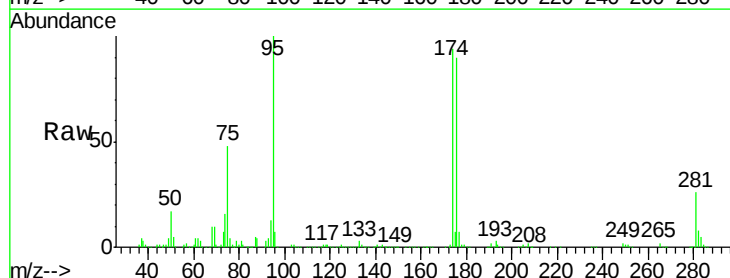
Tgt Ion: 95 Resp: 212482

Ion Ratio Lower Upper

95 100

174 93.9 0.0 191.4

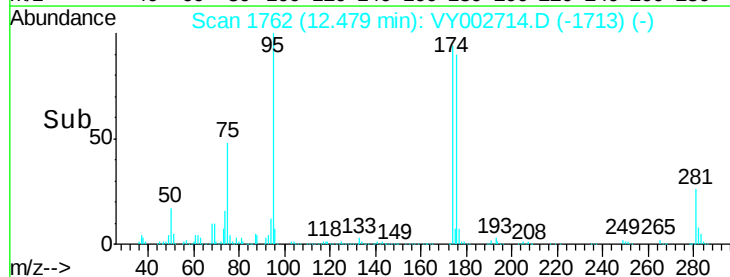
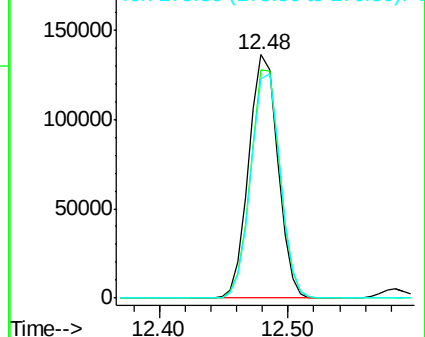
176 92.6 0.0 186.0

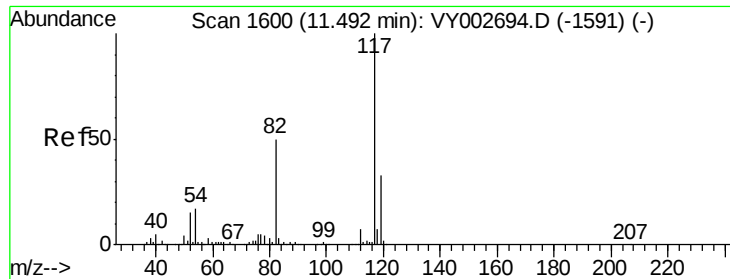


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

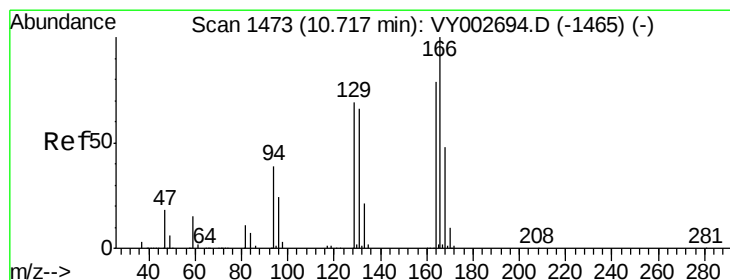
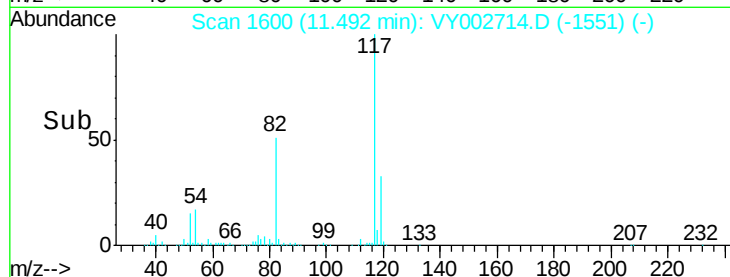
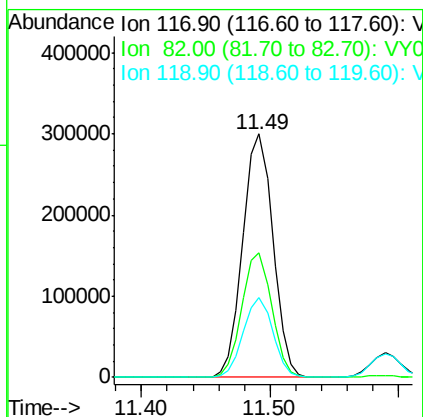
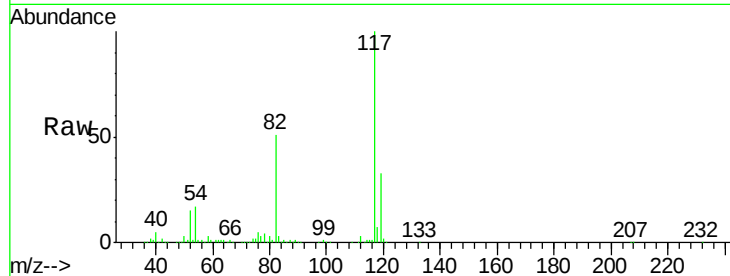




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002714.D
Acq: 19 May 2020 11:13

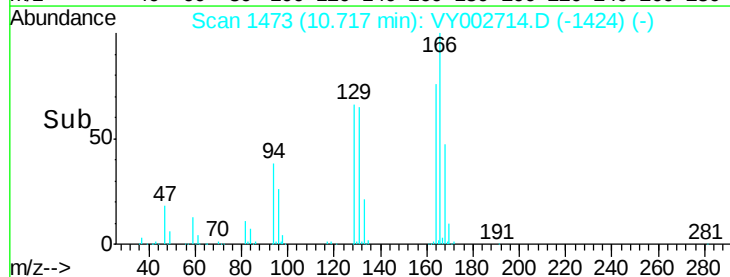
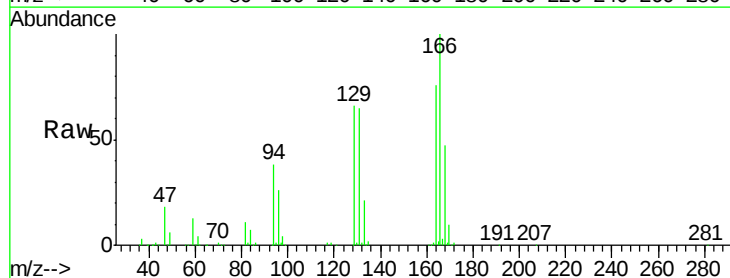
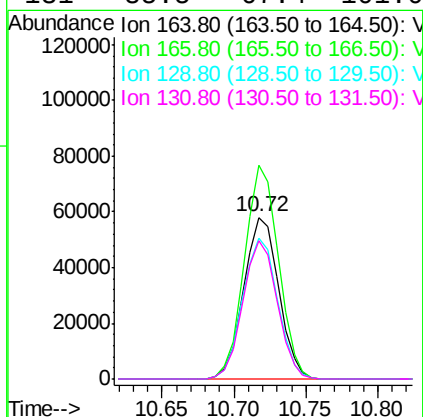
Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBS01

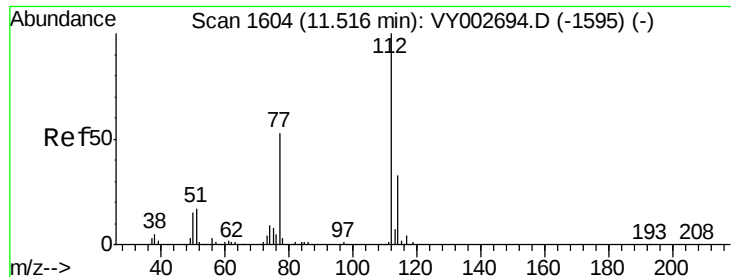
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	40.3	60.5
119	32.6	26.2	39.4



#64
Tetrachloroethene
Concen: 21.031 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY002714.D
Acq: 19 May 2020 11:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.0	101.6	152.4
129	86.8	70.2	105.4
131	85.5	67.4	101.0

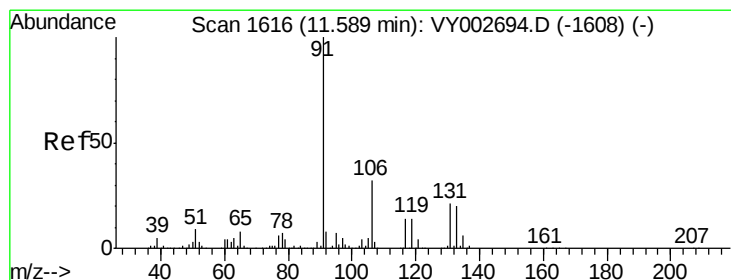
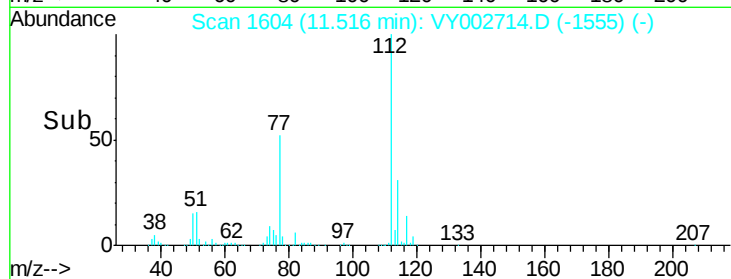
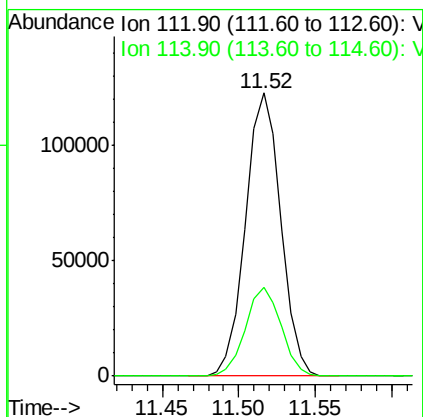
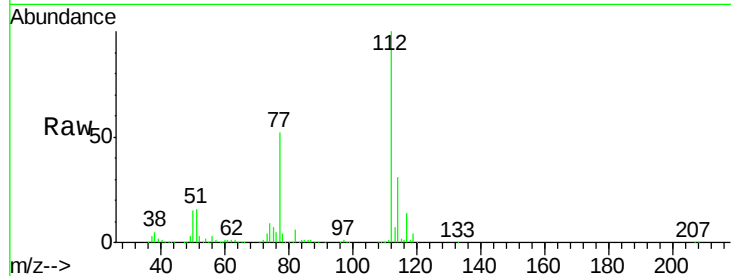




#65
Chlorobenzene
Concen: 20.910 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY002714.D
Acq: 19 May 2020 11:13

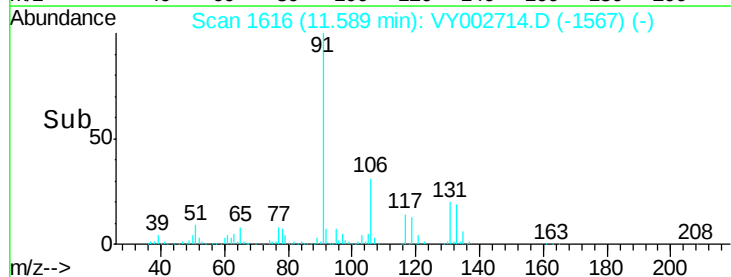
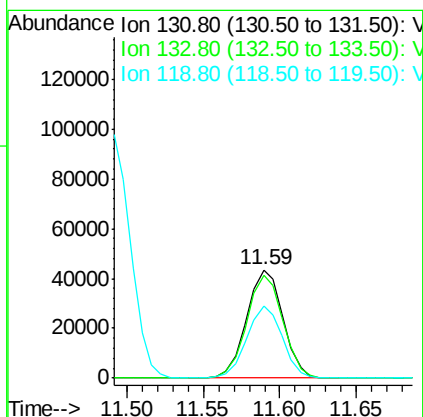
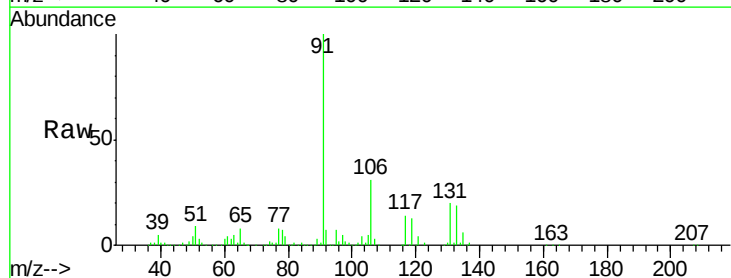
Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBS01

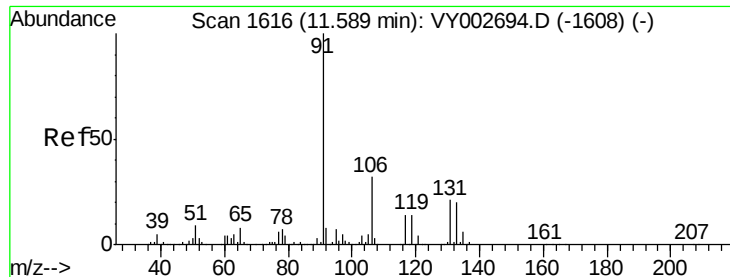
Tot Ion:112 Resp: 196773
Ion Ratio Lower Upper
112 100
114 31.3 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 20.492 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY002714.D
Acq: 19 May 2020 11:13

Tgt Ion:131 Resp: 71570
Ion Ratio Lower Upper
131 100
133 95.3 47.4 142.3
119 65.4 31.6 94.8

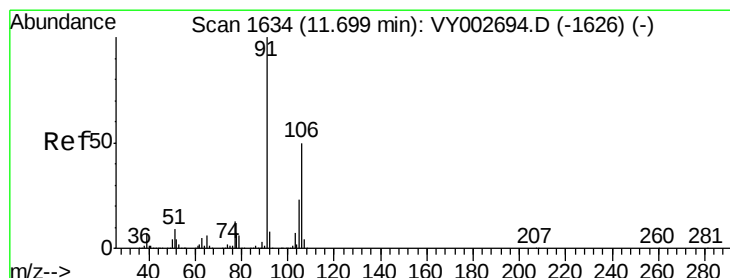
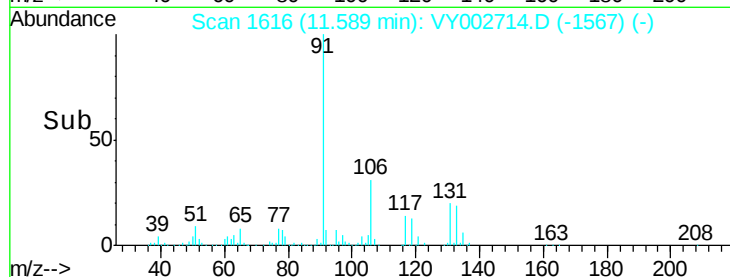
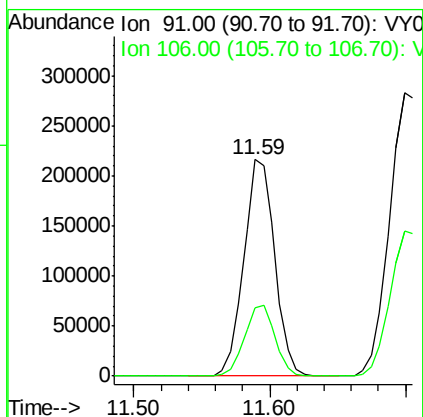
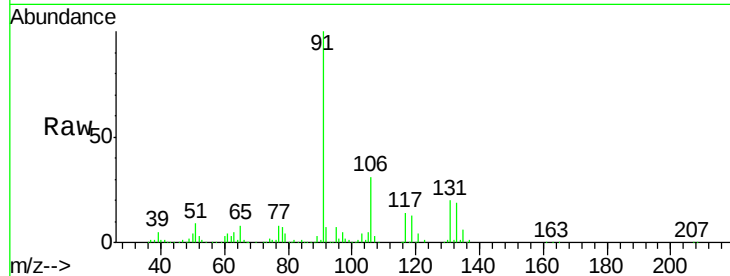




#67
Ethyl Benzene
Concen: 20.736 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY002714.D
Acq: 19 May 2020 11:13

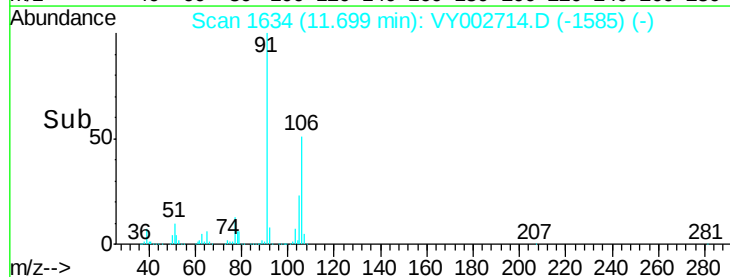
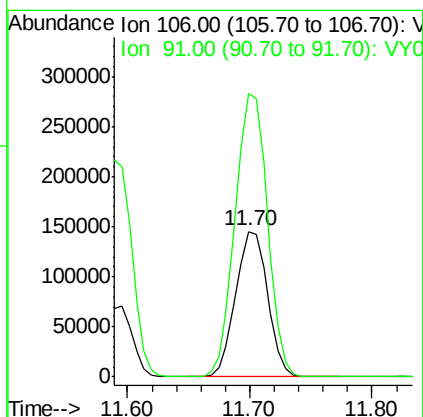
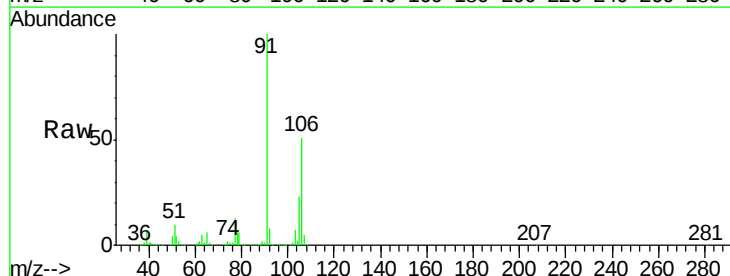
Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBS01

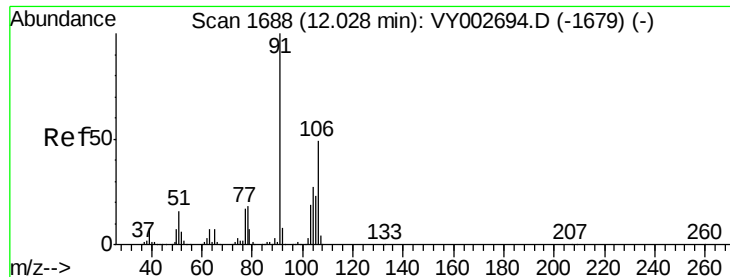
Tot Ion: 91 Resp: 342617
Ion Ratio Lower Upper
91 100
106 31.4 26.0 39.0



#68
m/p-Xylenes
Concen: 41.197 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY002714.D
Acq: 19 May 2020 11:13

Tgt Ion: 106 Resp: 264825
Ion Ratio Lower Upper
106 100
91 196.5 156.2 234.4

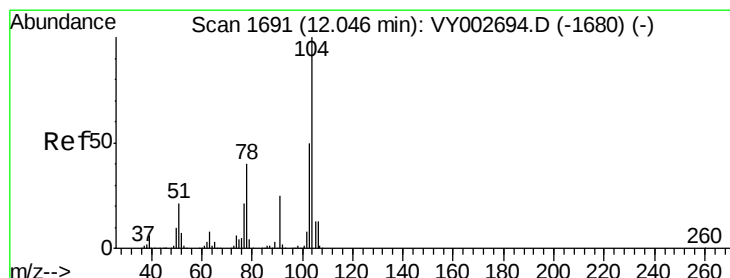
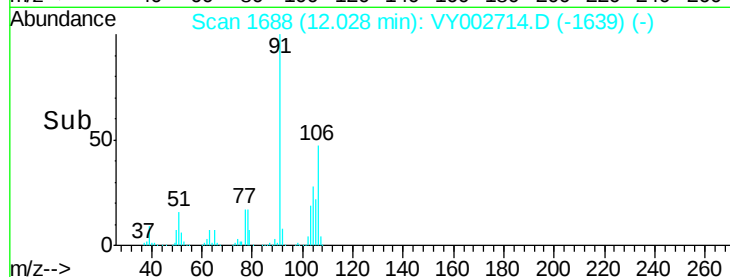
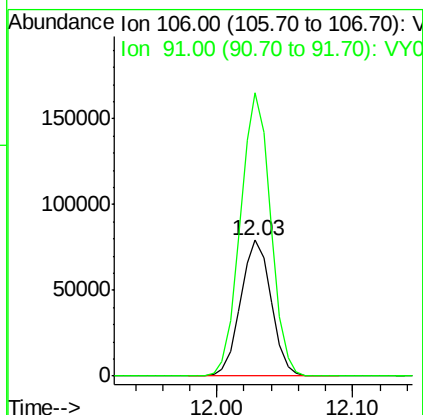
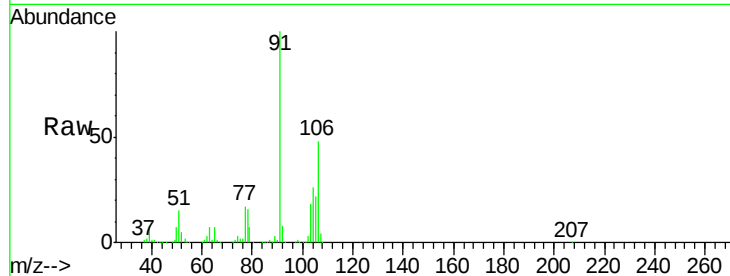




#69
o-Xylene
Concen: 20.622 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY002714.D
Acq: 19 May 2020 11:13

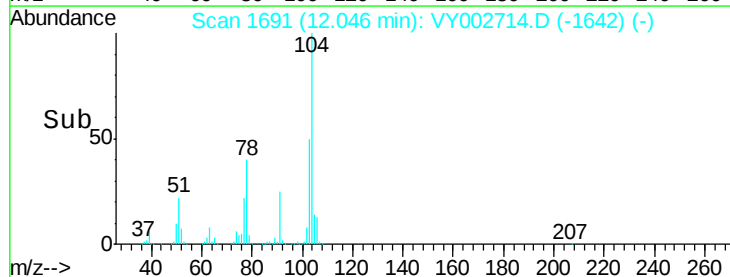
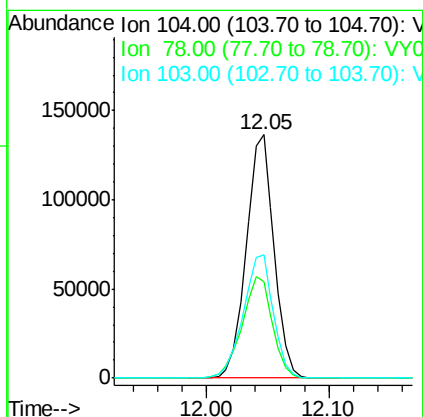
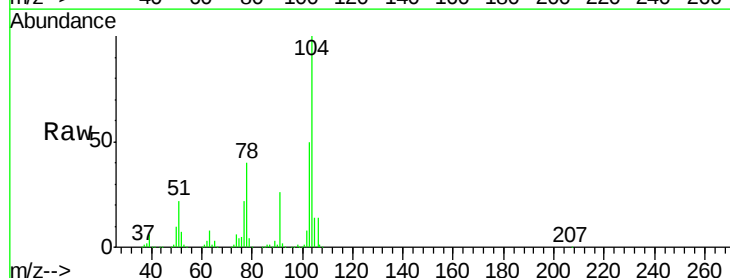
Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBS01

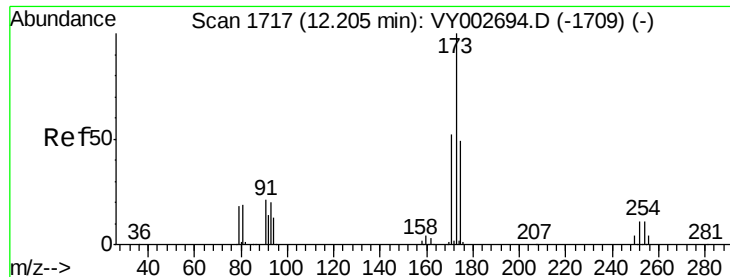
Tot Ion:106 Resp: 124420
Ion Ratio Lower Upper
106 100
91 206.3 103.5 310.3



#70
Styrene
Concen: 20.732 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VY002714.D
Acq: 19 May 2020 11:13

Tgt Ion:104 Resp: 214759
Ion Ratio Lower Upper
104 100
78 45.5 36.6 54.8
103 54.6 44.1 66.1





#71

Bromoform

Concen: 20.239 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

Instrument :

MSVOA_Y

ClientSampleId :

VY0519SBS01

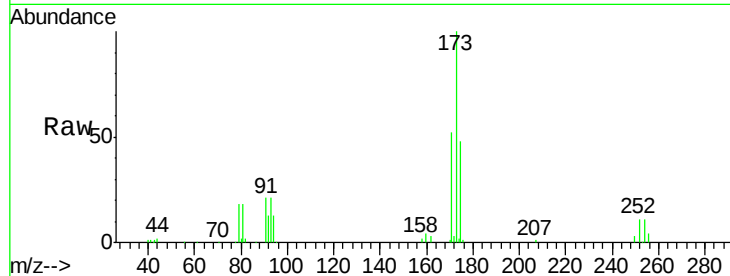
Tot Ion:173 Resp: 43694

Ion Ratio Lower Upper

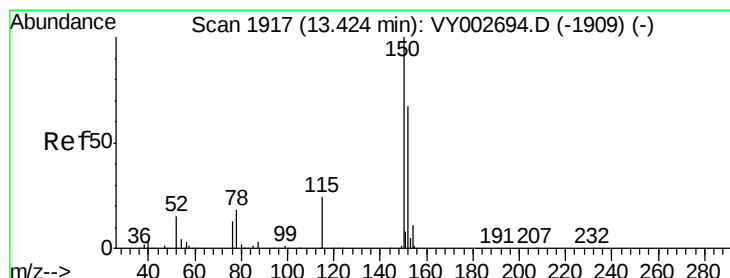
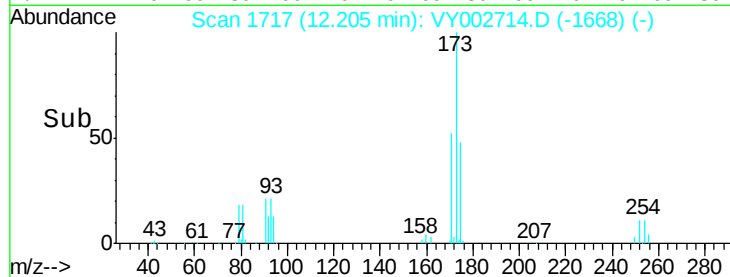
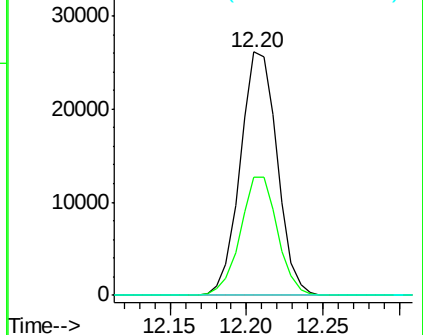
173 100

175 48.9 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: VY002714.D

Acq: 19 May 2020 11:13

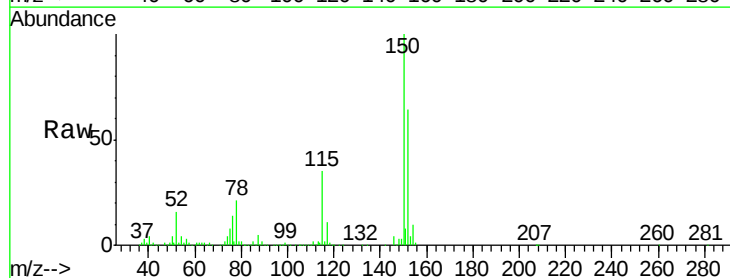
Tgt Ion:152 Resp: 251263

Ion Ratio Lower Upper

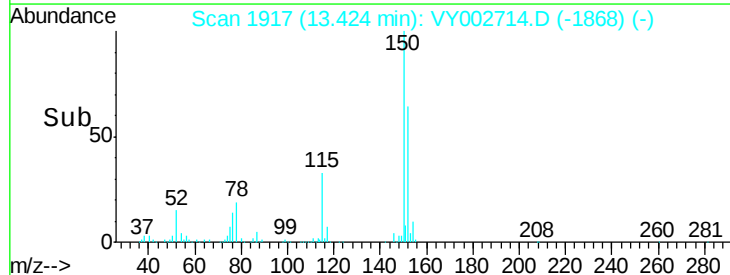
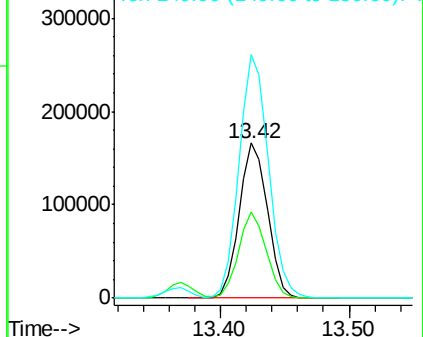
152 100

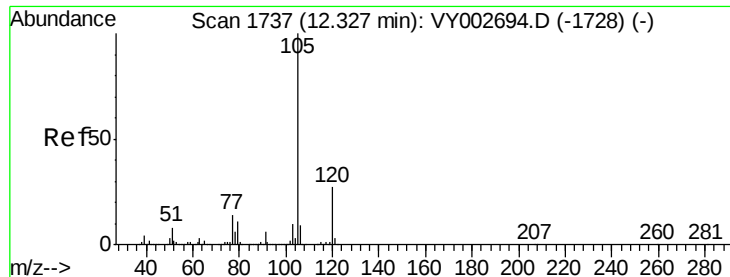
115 54.2 27.2 81.6

150 163.5 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: 20.884 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

Instrument :

MSVOA_Y

ClientSampleId :

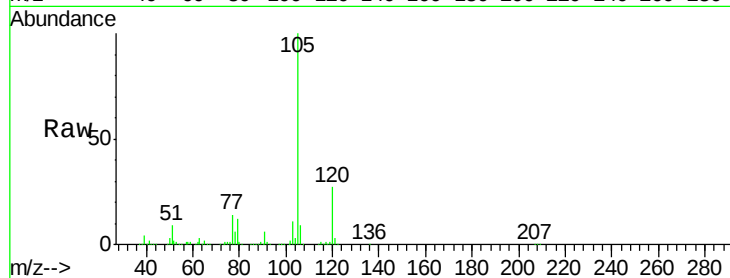
VY0519SBS01

Tot Ion:105 Resp: 342867

Ion Ratio Lower Upper

105 100

120 27.4 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

200000

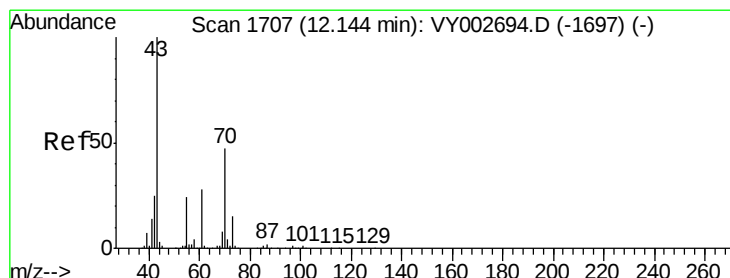
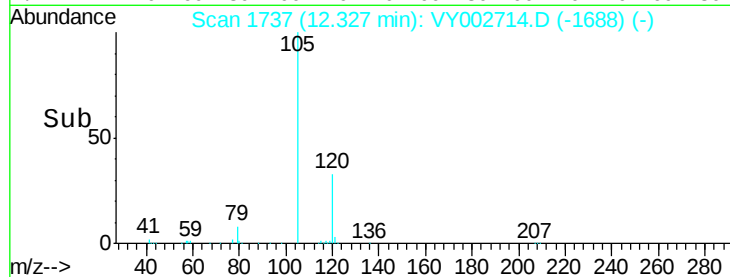
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.549 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

Tgt Ion: 43 Resp: 79169

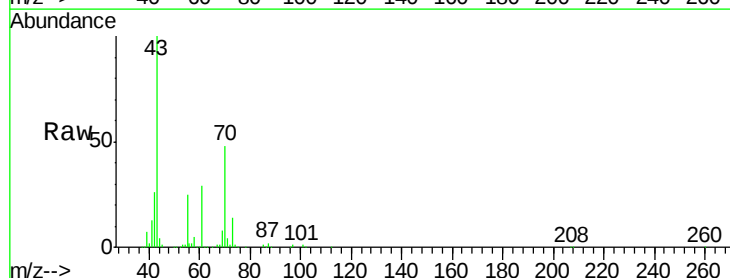
Ion Ratio Lower Upper

43 100

70 47.8 37.7 56.5

55 24.7 19.4 29.0

61 27.3 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

80000

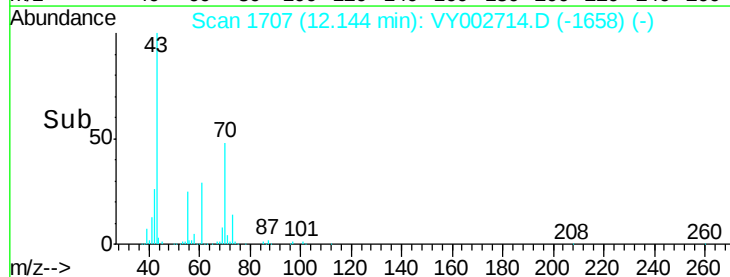
60000

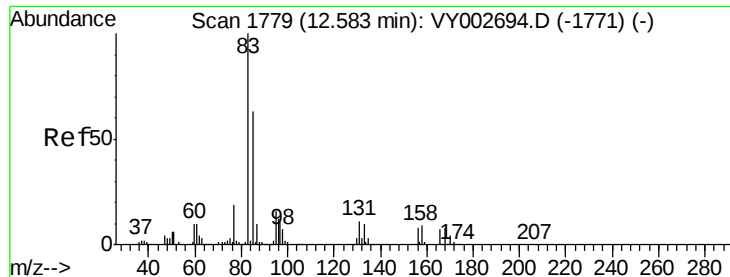
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.239 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

Instrument :

MSVOA_Y

ClientSampleId :

VY0519SBS01

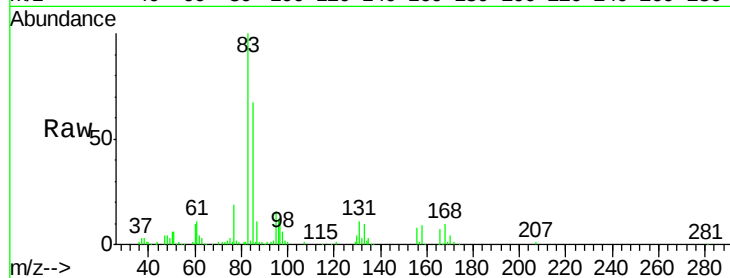
Tot Ion: 83 Resp: 48931

Ion Ratio Lower Upper

83 100

131 11.9 5.8 17.3

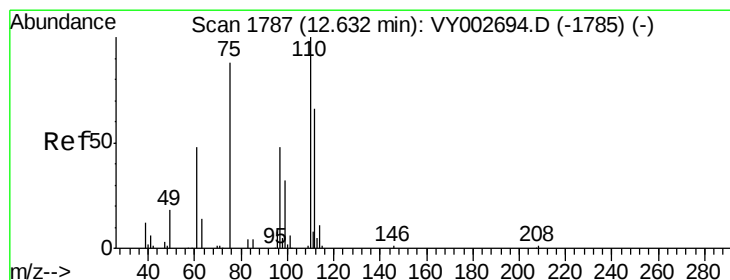
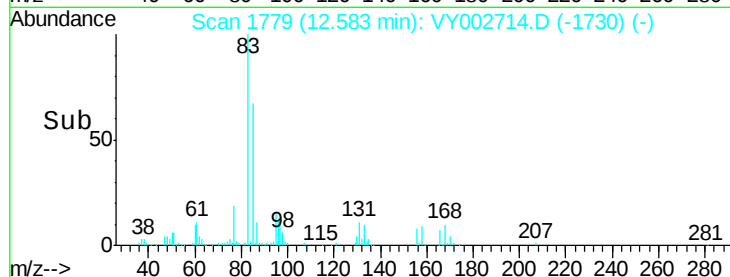
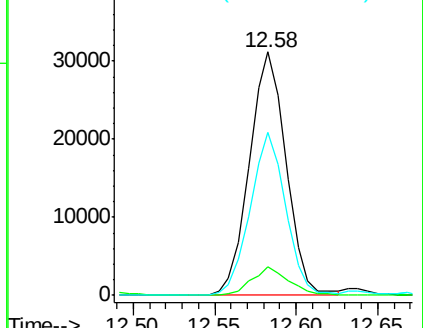
85 64.8 31.9 95.9



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: 20.229 ug/l m

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY002714.D

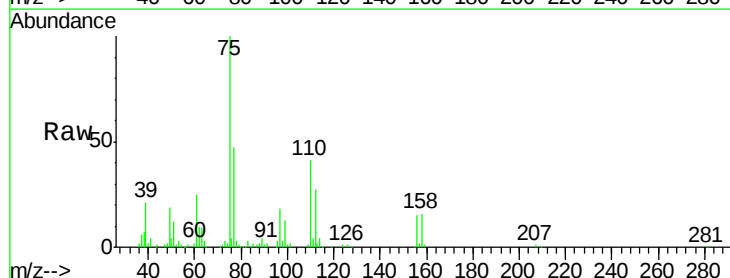
Acq: 19 May 2020 11:13

Tgt Ion: 75 Resp: 41753

Ion Ratio Lower Upper

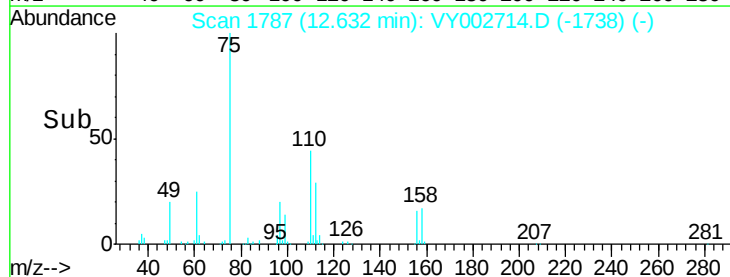
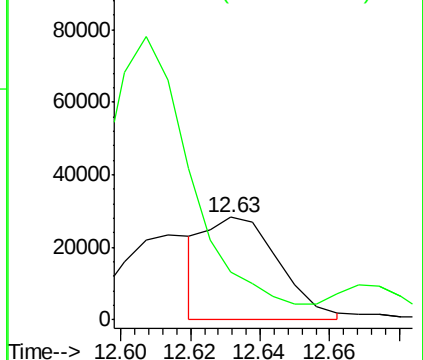
75 100

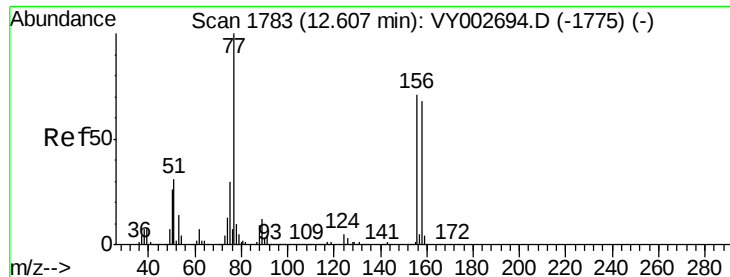
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 20.854 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

Instrument :

MSVOA_Y

ClientSampleId :

VY0519SBS01

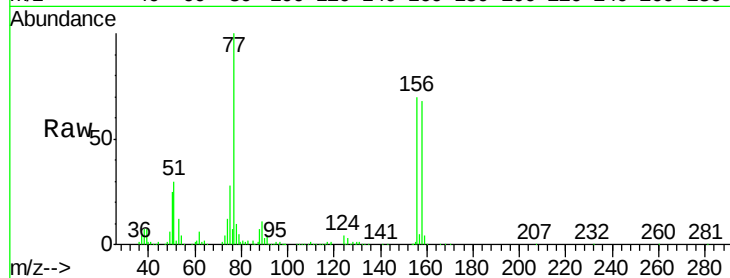
Tot Ion:156 Resp: 85599

Ion Ratio Lower Upper

156 100

77 163.2 80.8 242.3

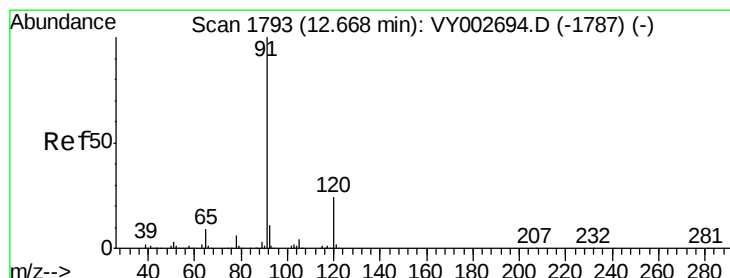
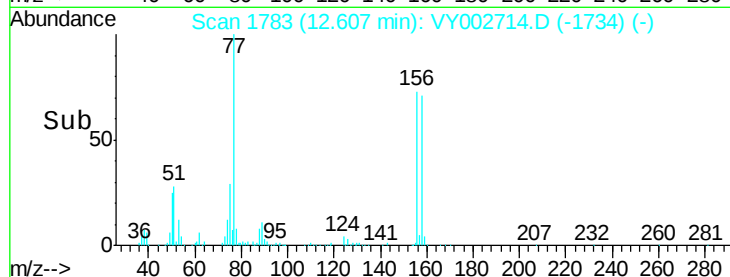
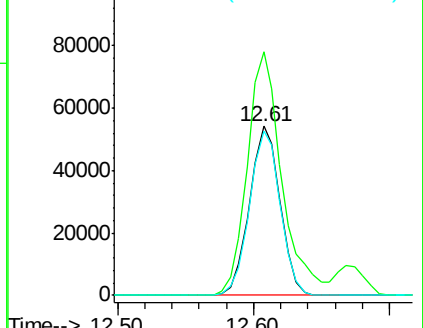
158 97.6 49.0 147.0



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: 21.209 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY002714.D

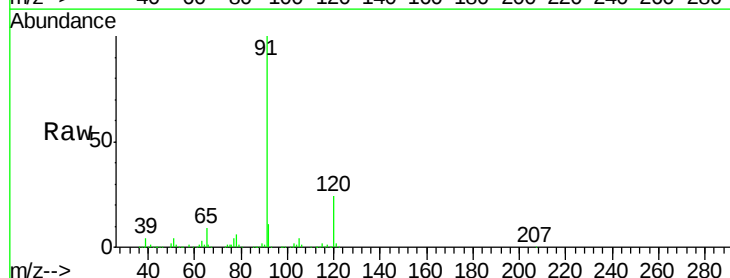
Acq: 19 May 2020 11:13

Tgt Ion: 91 Resp: 405078

Ion Ratio Lower Upper

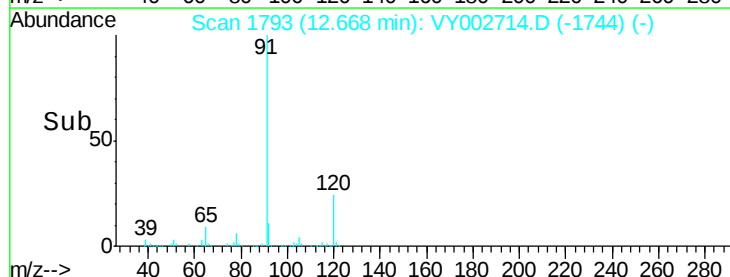
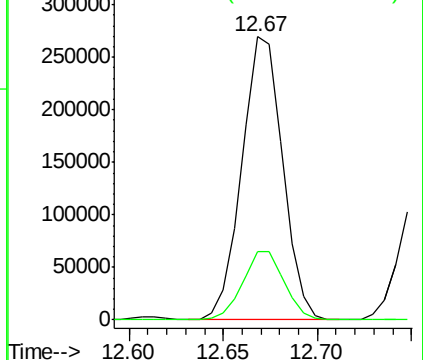
91 100

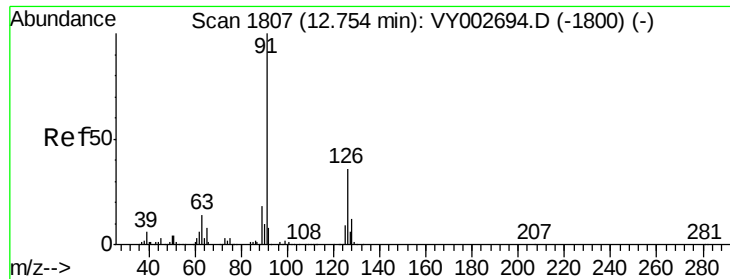
120 24.5 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

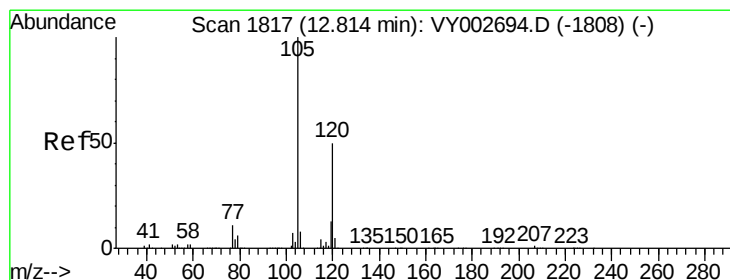
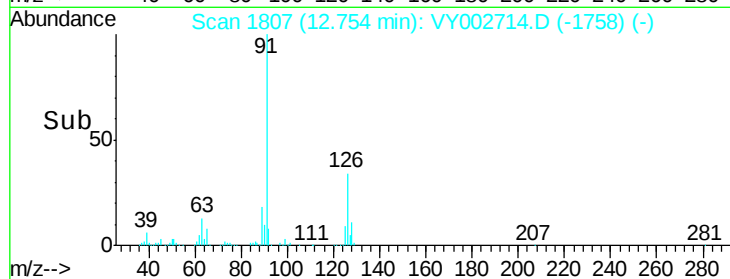
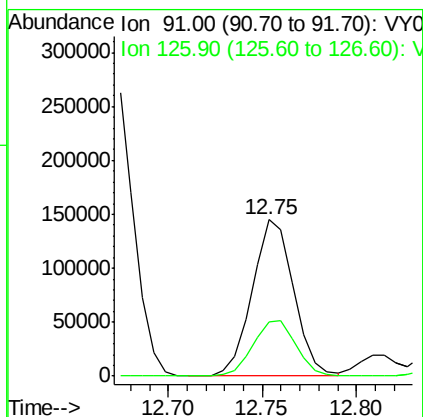
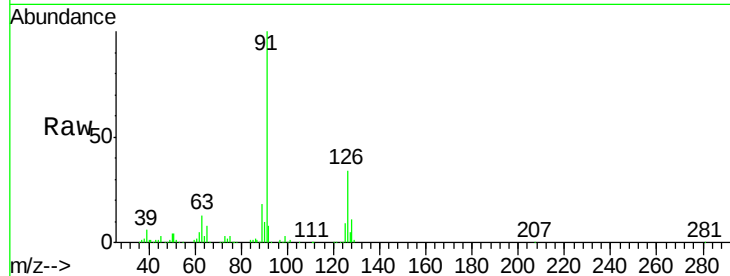




#79
 2-Chlorotoluene
 Concen: 20.859 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VY002714.D
 Acq: 19 May 2020 11:13

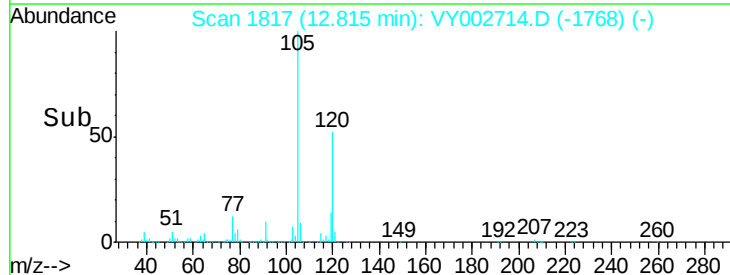
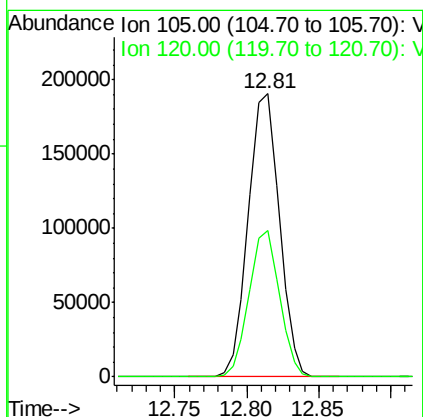
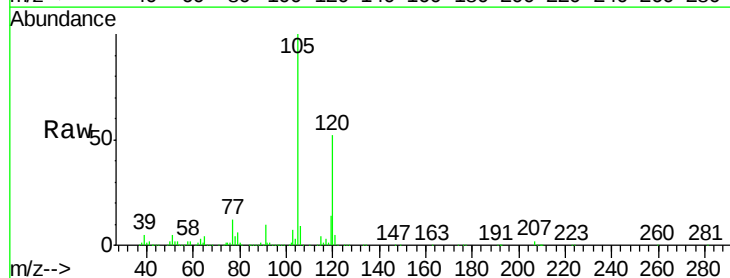
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBS01

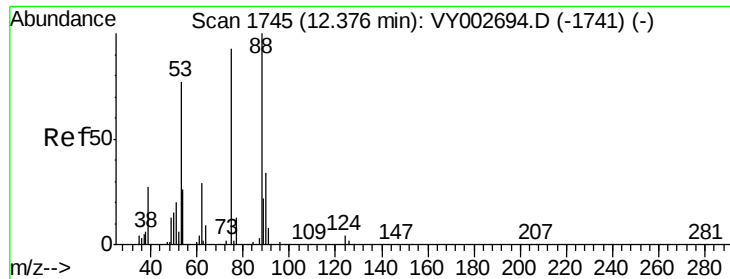
Tot Ion: 91 Resp: 220959
 Ion Ratio Lower Upper
 91 100
 126 36.8 18.4 55.0



#80
 1,3,5-Trimethylbenzene
 Concen: 20.727 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. 0.00 min
 Lab File: VY002714.D
 Acq: 19 May 2020 11:13

Tgt Ion: 105 Resp: 285931
 Ion Ratio Lower Upper
 105 100
 120 50.6 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.518 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

Instrument :

MSVOA_Y

ClientSampleId :

VY0519SBS01

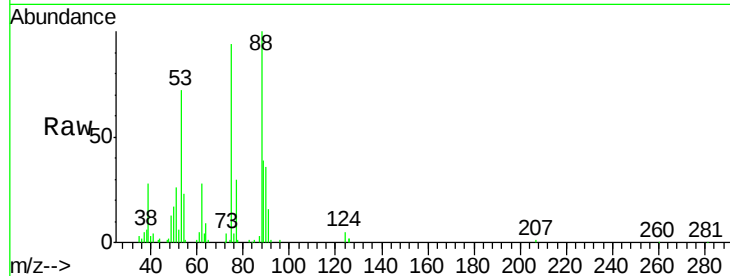
Tot Ion: 75 Resp: 22393

Ion Ratio Lower Upper

75 100

53 81.5 65.0 97.6

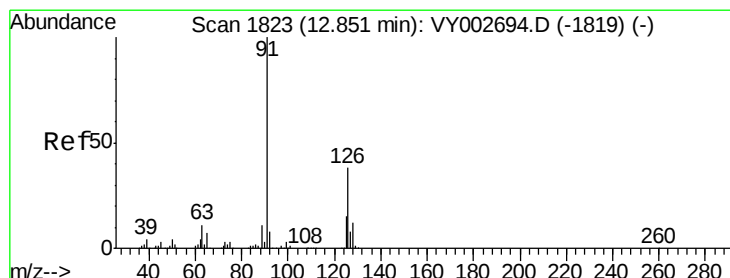
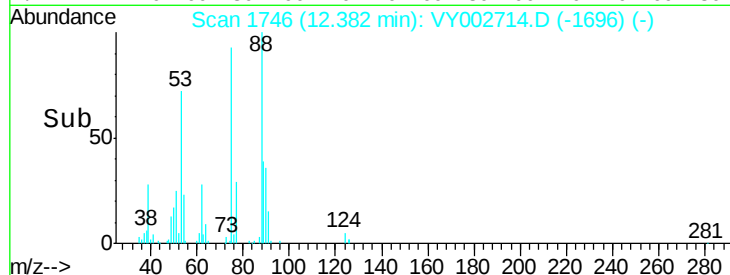
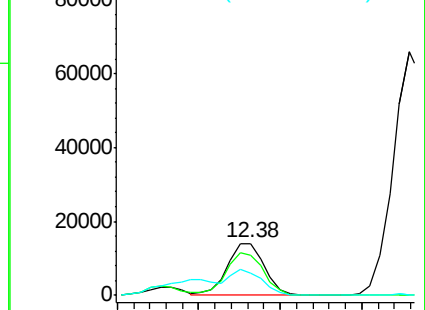
89 42.1 66.6 99.8#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 20.858 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VY002714.D

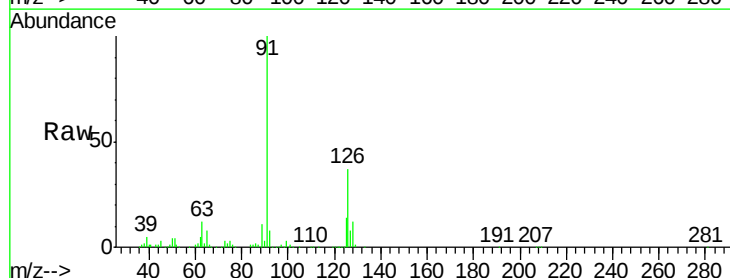
Acq: 19 May 2020 11:13

Tgt Ion: 91 Resp: 231446

Ion Ratio Lower Upper

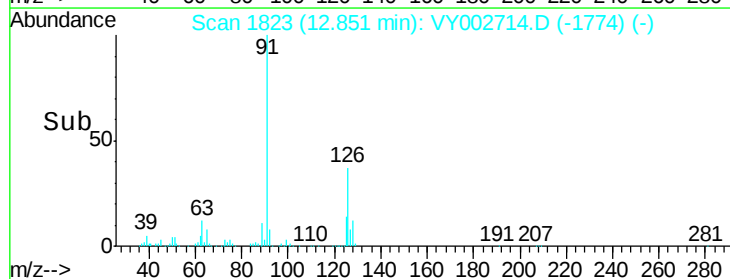
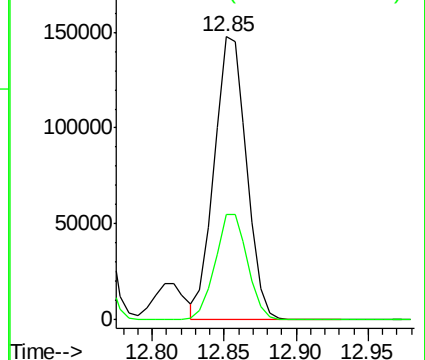
91 100

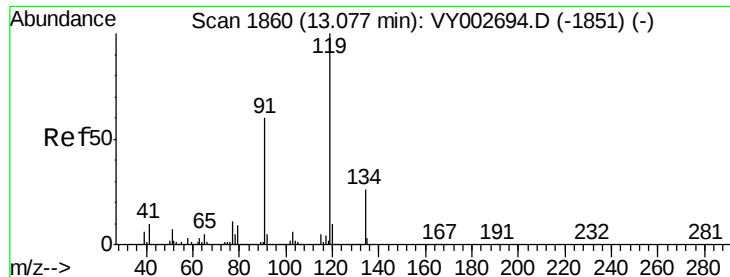
126 37.4 18.6 56.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 20.589 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

Instrument :

MSVOA_Y

ClientSampleId :

VY0519SBS01

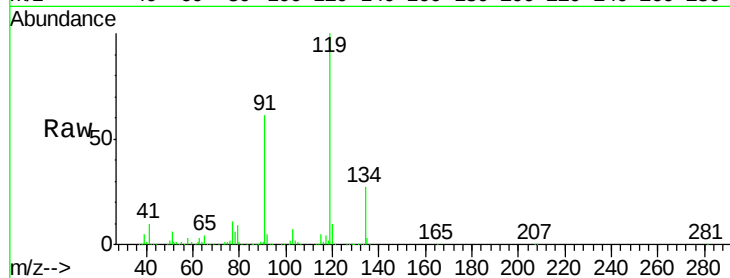
Tot Ion:119 Resp: 251375

Ion Ratio Lower Upper

119 100

91 61.0 30.4 91.2

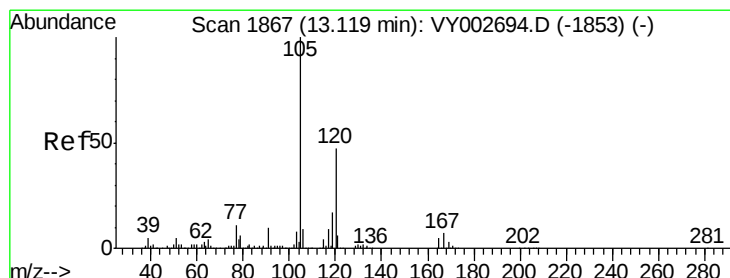
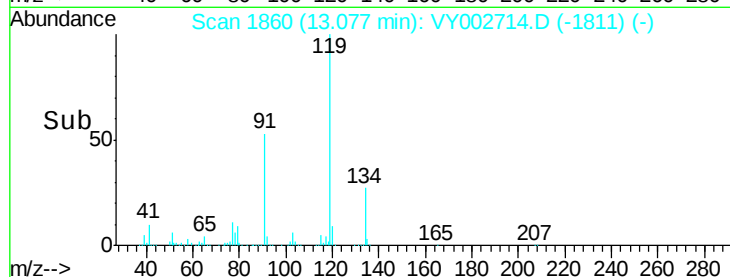
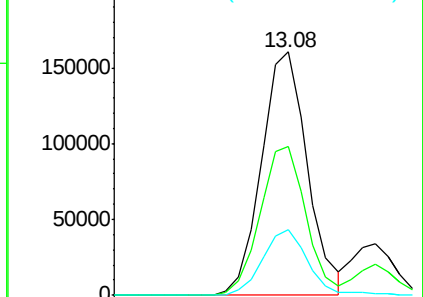
134 26.9 13.4 40.2



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: 20.939 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY002714.D

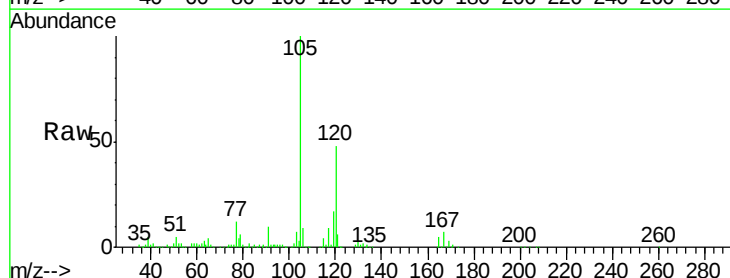
Acq: 19 May 2020 11:13

Tgt Ion:105 Resp: 288682

Ion Ratio Lower Upper

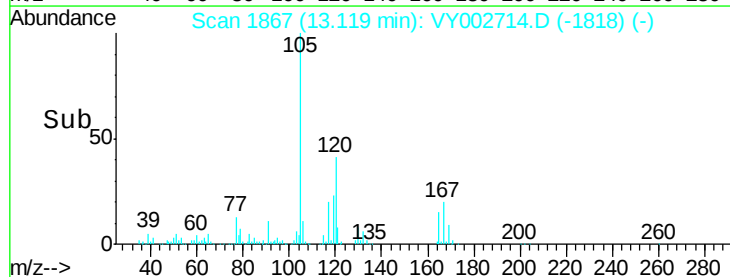
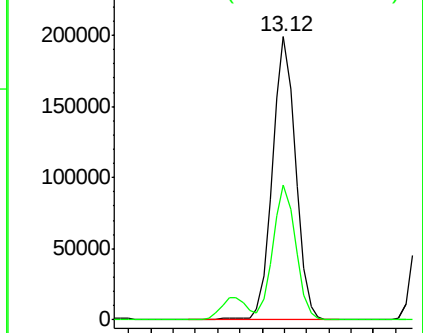
105 100

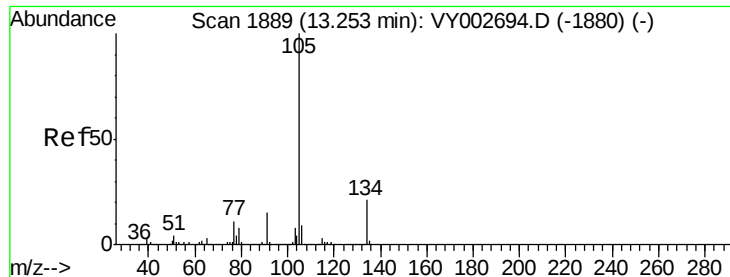
120 46.8 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.015 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

Instrument :

MSVOA_Y

ClientSampleId :

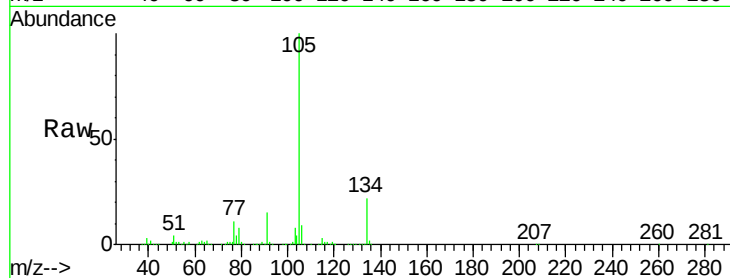
VY0519SBS01

Tot Ion:105 Resp: 354056

Ion Ratio Lower Upper

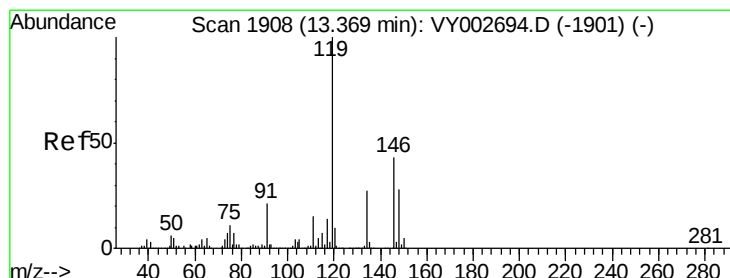
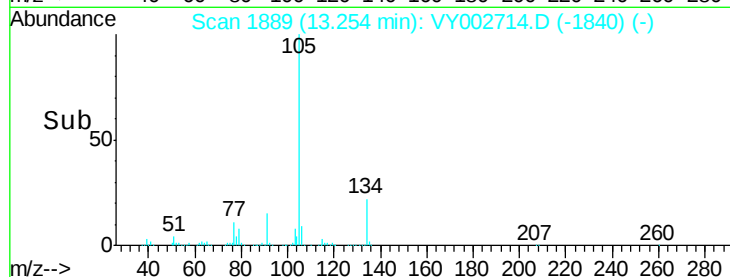
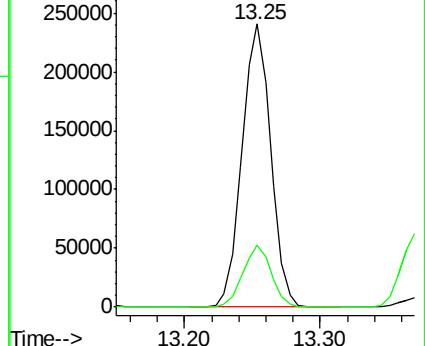
105 100

134 21.5 10.8 32.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.947 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

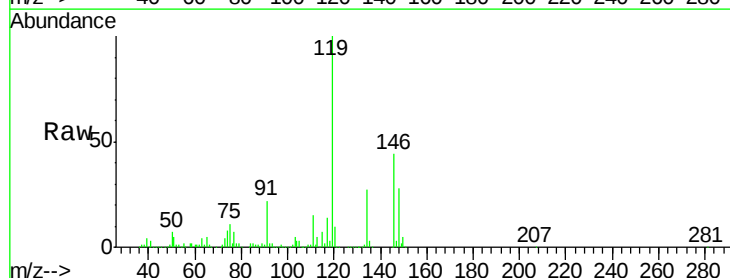
Tgt Ion:119 Resp: 330333

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.5

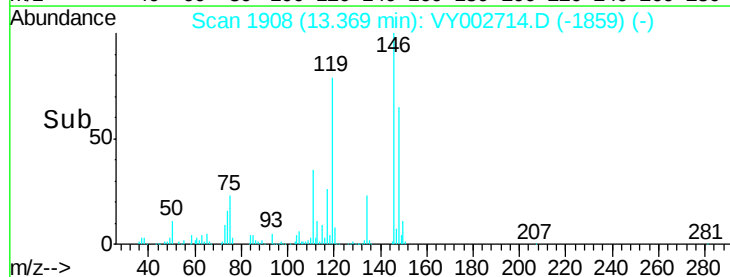
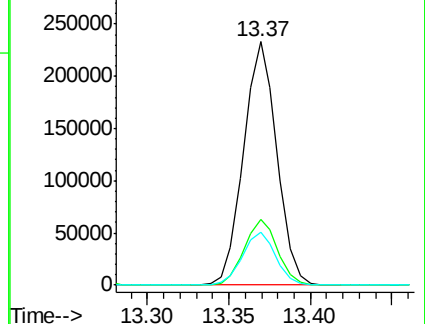
91 21.7 10.8 32.3

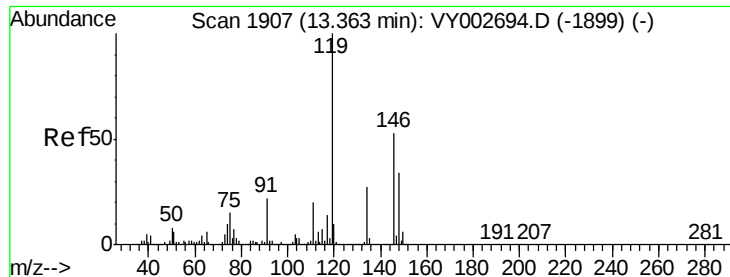


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 20.815 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

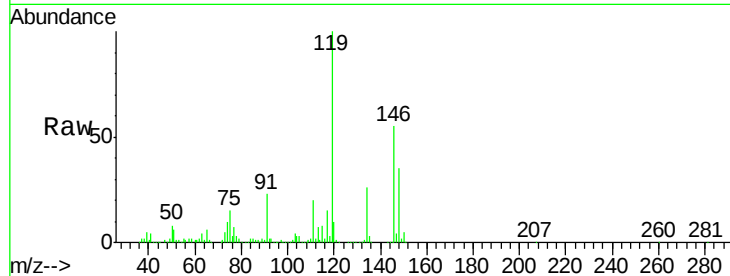
Lab File: VY002714.D

Acq: 19 May 2020 11:13

Instrument :
MSVOA_Y
ClientSampleId :
VY0519SBS01

Tot Ion:146 Resp: 164734

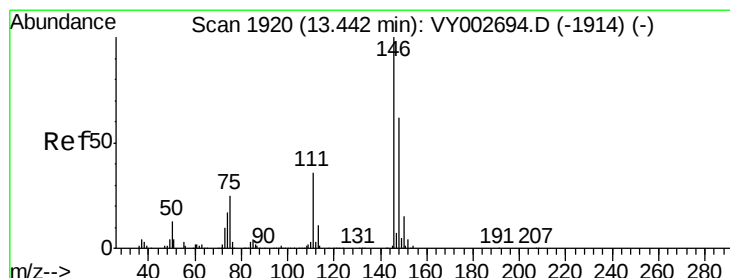
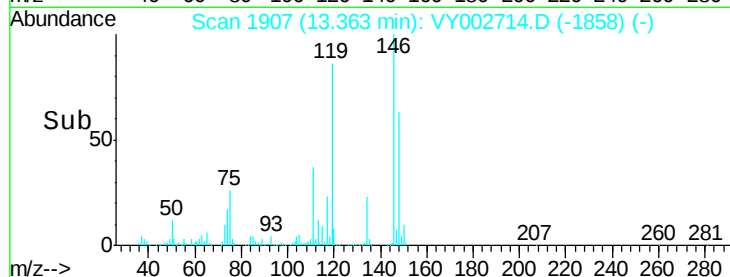
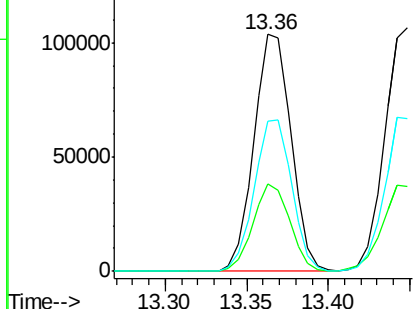
Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.5	55.5
148	64.2	32.1	96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 21.117 ug/l

RT: 13.45 min Scan# 1921

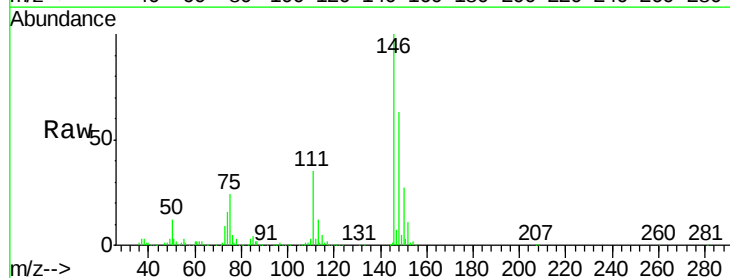
Delta R.T. 0.01 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

Tgt Ion:146 Resp: 166382

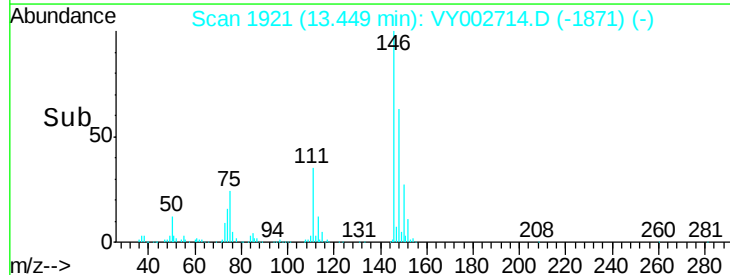
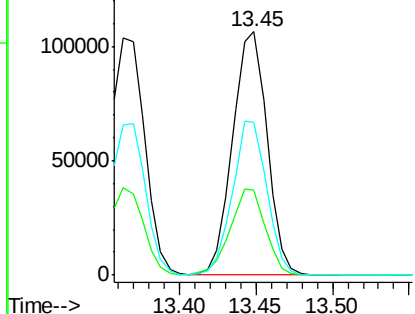
Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.4
148	63.1	31.8	95.3

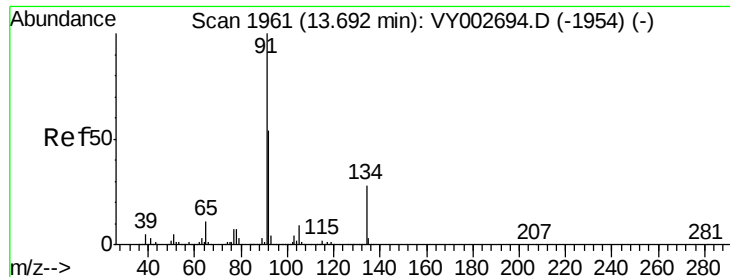


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.993 ug/l

RT: 13.70 min Scan# 1962

Delta R.T. 0.01 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

Instrument :

MSVOA_Y

ClientSampleId :

VY0519SBS01

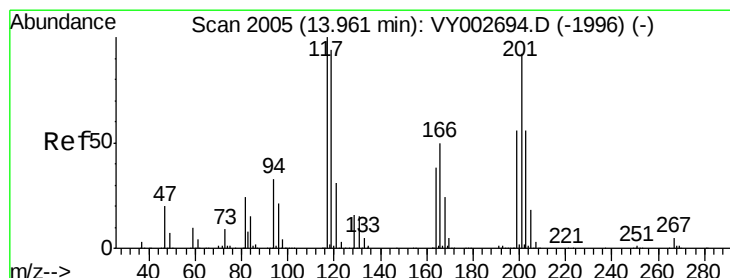
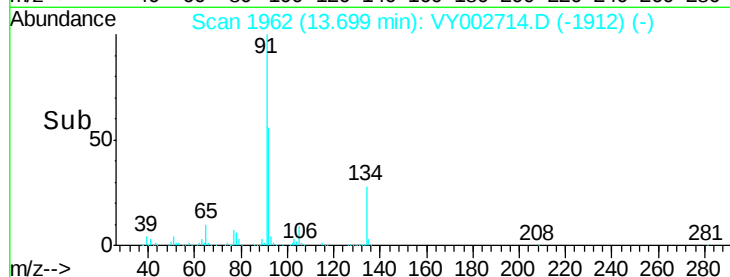
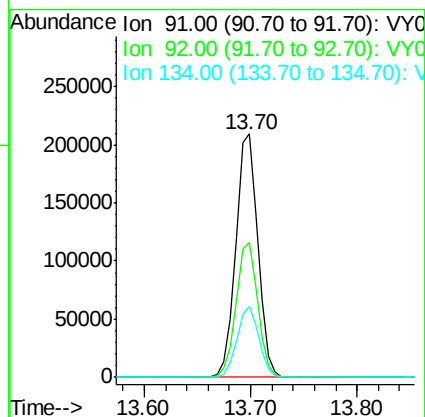
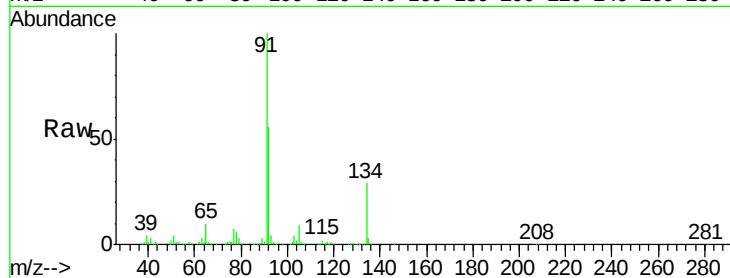
Tot Ion: 91 Resp: 304022

Ion Ratio Lower Upper

91 100

92 54.7 26.8 80.4

134 28.7 14.5 43.5



#90

Hexachloroethane

Concen: 20.765 ug/l

RT: 13.96 min Scan# 2005

Delta R.T. 0.00 min

Lab File: VY002714.D

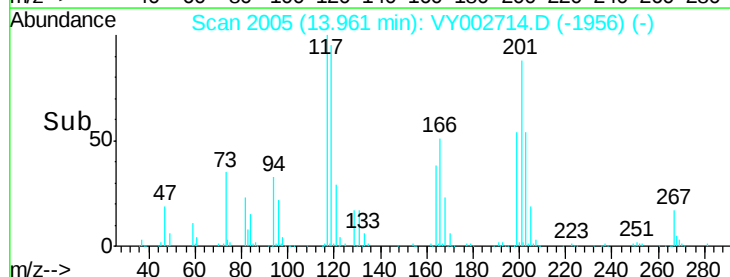
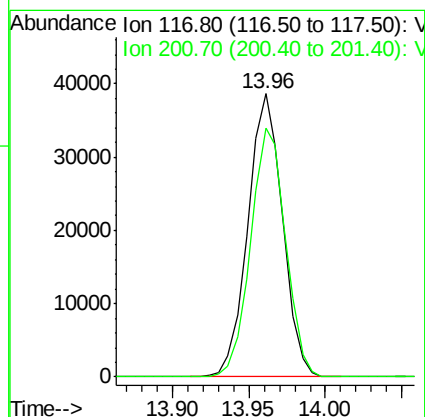
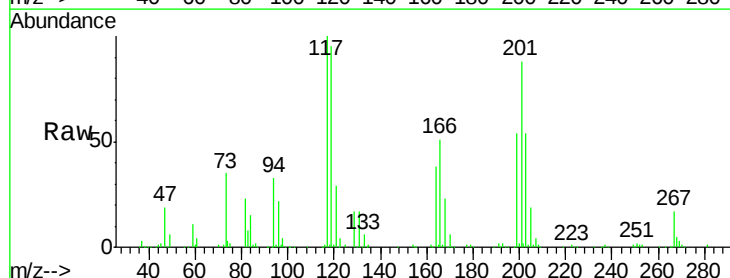
Acq: 19 May 2020 11:13

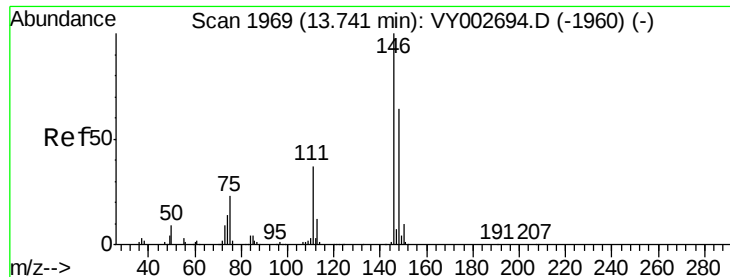
Tgt Ion: 117 Resp: 60652

Ion Ratio Lower Upper

117 100

201 88.8 44.9 134.7

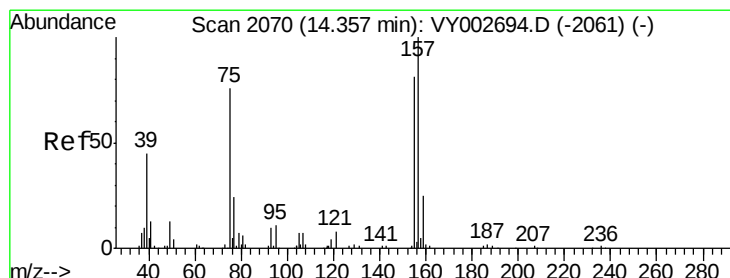
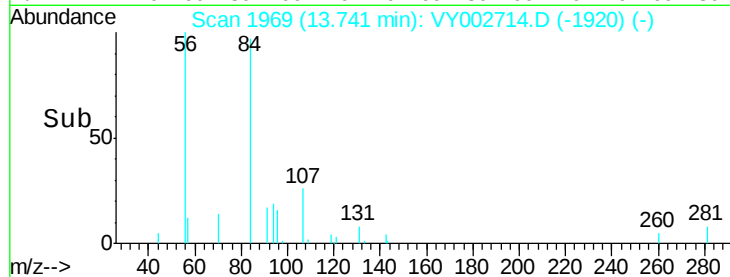
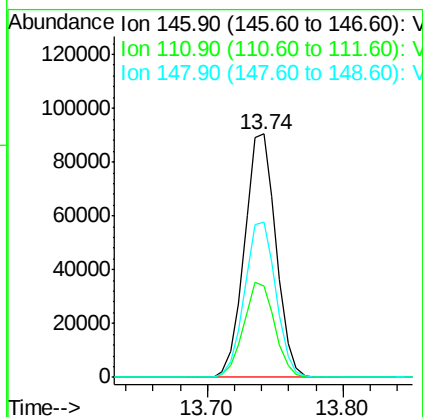
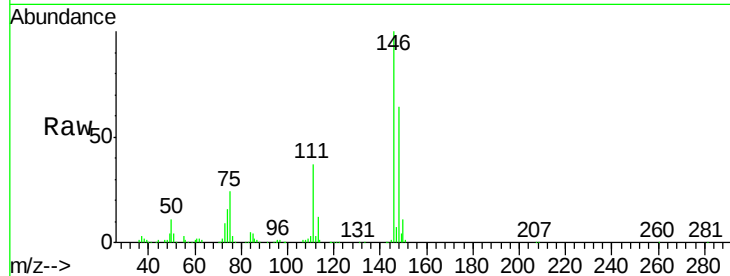




#91
 1,2-Dichlorobenzene
 Concen: 20.571 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.00 min
 Lab File: VY002714.D
 Acq: 19 May 2020 11:13

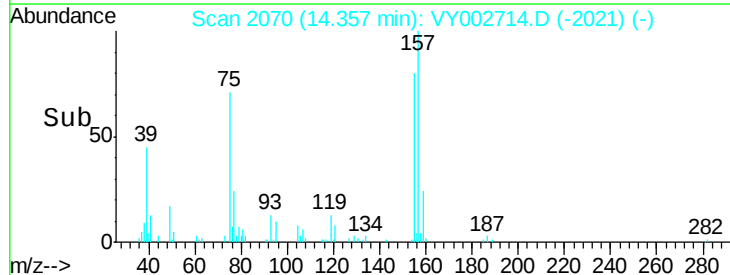
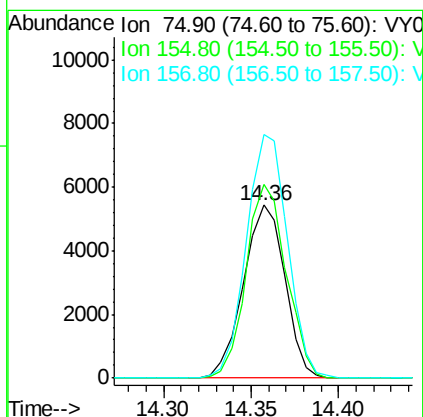
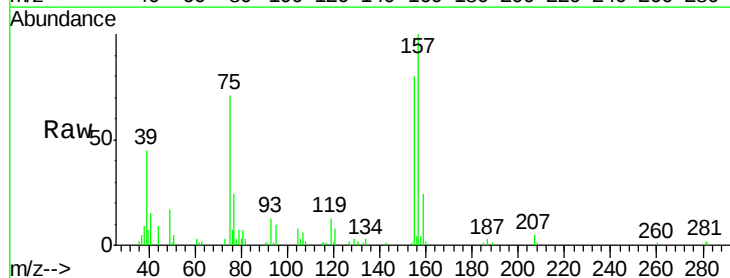
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBS01

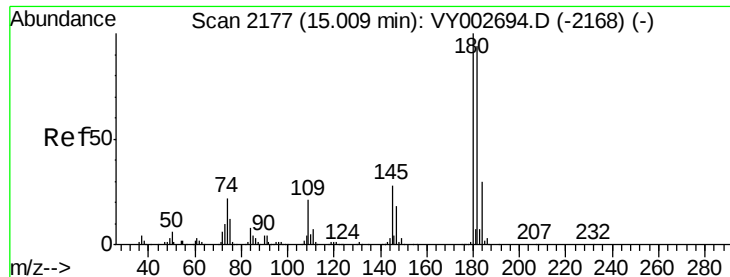
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.1
148	63.8	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.276 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY002714.D
 Acq: 19 May 2020 11:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	108.9	53.5	160.7
157	140.3	67.9	203.7

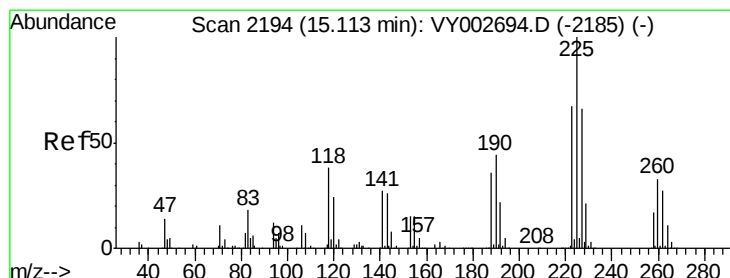
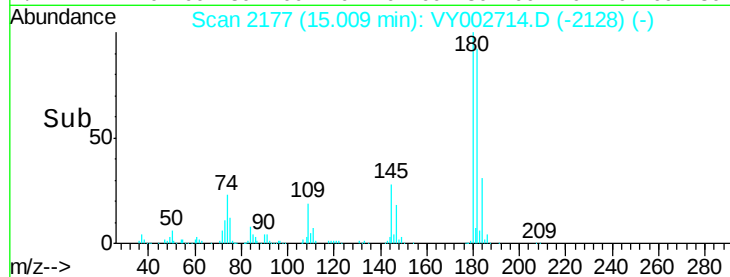
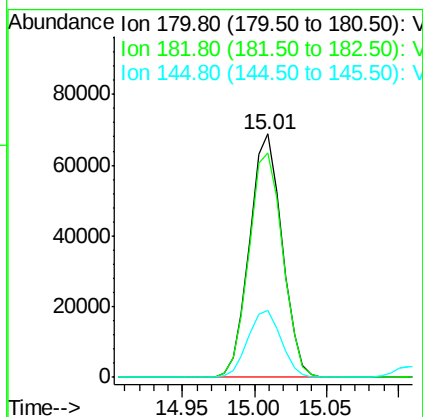
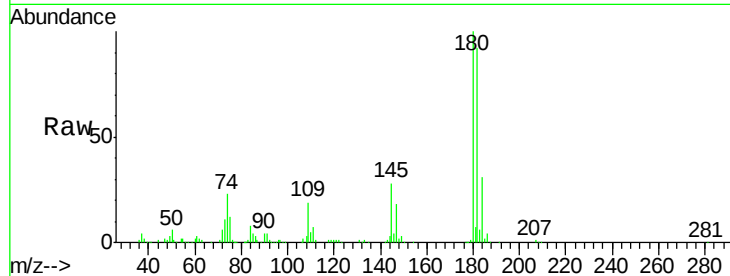




#93
 1,2,4-Trichlorobenzene
 Concen: 18.944 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VY002714.D
 Acq: 19 May 2020 11:13

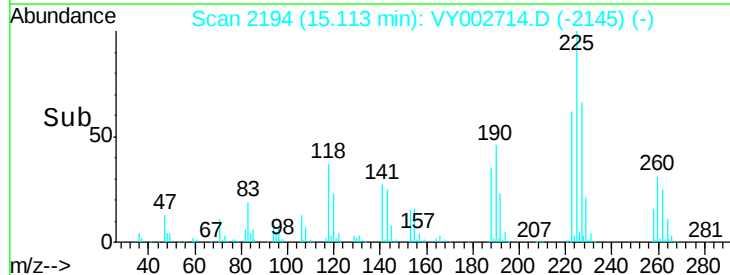
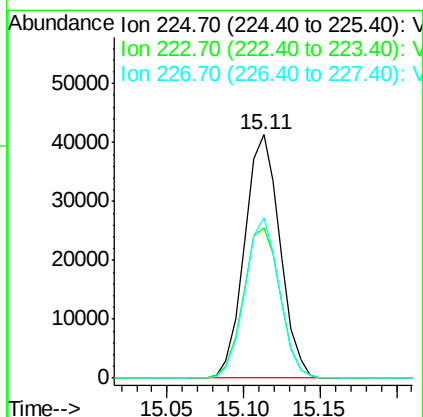
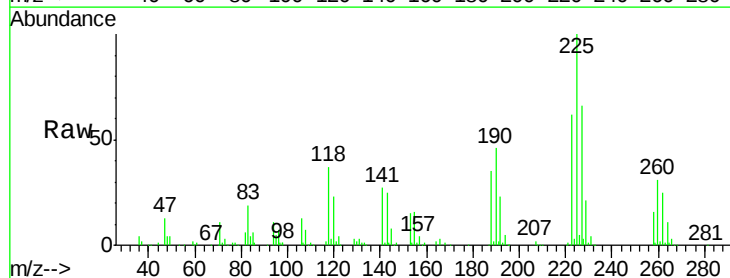
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0519SBS01

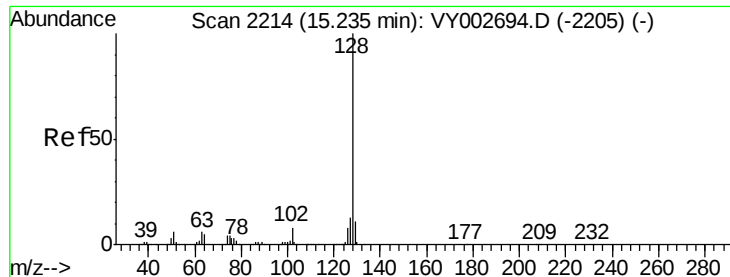
Tot Ion:180 Resp: 107047
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.3 142.0
 145 28.5 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 19.481 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY002714.D
 Acq: 19 May 2020 11:13

Tgt Ion:225 Resp: 66327
 Ion Ratio Lower Upper
 225 100
 223 63.7 31.6 94.8
 227 64.1 32.2 96.6





#95

Naphthalene

Concen: 18.805 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

Instrument :

MSVOA_Y

ClientSampleId :

VY0519SBS01

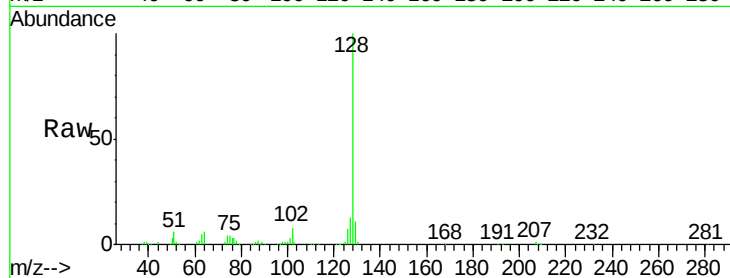
Tot Ion:128 Resp: 183819

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

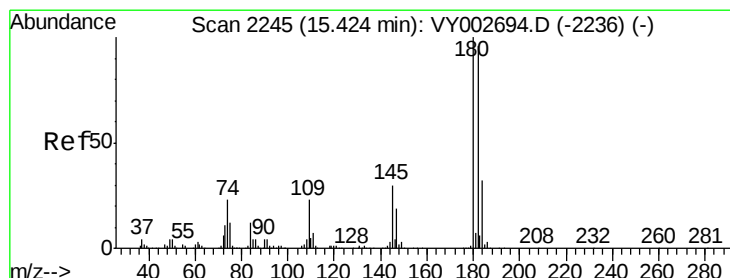
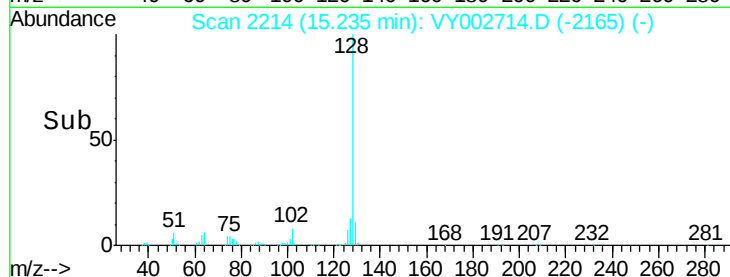
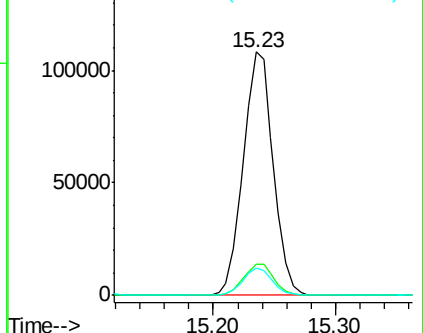
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.615 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VY002714.D

Acq: 19 May 2020 11:13

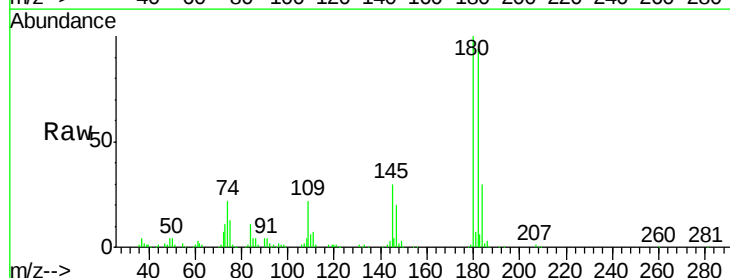
Tgt Ion:180 Resp: 90326

Ion Ratio Lower Upper

180 100

182 95.3 47.6 142.9

145 29.9 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

