

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY091919\
 Data File : VY000072.D
 Acq On : 19 Sep 2019 13:16
 Operator : SY/MD
 Sample : VY0919SBS01
 Misc : 5.00g/5.00ml/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

Quant Time: Sep 20 01:53:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 05:38:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	106981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	203945	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	175881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	77097	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	61390	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
35) Dibromofluoromethane	7.72	113	58845	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	
50) Toluene-d8	10.18	98	244855	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
62) 4-Bromofluorobenzene	12.48	95	85843	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.90	85	2041	Below Cal	98
3) Chloromethane	2.11	50	9670	3.199 ug/l	98
4) Vinyl Chloride	2.25	62	11961	10.020 ug/l	91
5) Bromomethane	2.62	94	12262	14.426 ug/l	85
6) Chloroethane	2.78	64	12428	15.532 ug/l	100
7) Trichlorofluoromethane	3.12	101	26686	16.168 ug/l	94
8) Diethyl Ether	3.53	74	13215	18.700 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.89	101	20825	18.391 ug/l	96
10) Methyl Iodide	4.09	142	18042	15.322 ug/l	98
11) Tert butyl alcohol	4.98	59	15381	105.410 ug/l #	85
12) 1,1-Dichloroethene	3.86	96	18034	17.277 ug/l	95
13) Acrolein	3.74	56	9566	112.760 ug/l	99
14) Allyl chloride	4.48	41	29906	18.745 ug/l	97
15) Acrylonitrile	5.17	53	42449	100.170 ug/l	99
16) Acetone	3.95	43	26898	93.860 ug/l	90
17) Carbon Disulfide	4.18	76	30048	13.686 ug/l #	94
18) Methyl Acetate	4.48	43	18101	18.906 ug/l	92
19) Methyl tert-butyl Ether	5.23	73	62903	19.283 ug/l	95
20) Methylene Chloride	4.71	84	30756	22.814 ug/l	96
21) trans-1,2-Dichloroethene	5.21	96	20778	17.907 ug/l	97
22) Diisopropyl ether	6.12	45	71914	19.951 ug/l	94
23) Vinyl Acetate	6.06	43	242801	100.645 ug/l	96
24) 1,1-Dichloroethane	6.01	63	40974	19.206 ug/l	94
25) 2-Butanone	6.99	43	50684	97.645 ug/l	98
26) 2,2-Dichloropropane	6.98	77	38432	19.088 ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	29541	20.108 ug/l	99
28) Bromochloromethane	7.34	49	18891	19.103 ug/l	94
29) Tetrahydrofuran	7.35	42	31750	101.891 ug/l	97
30) Chloroform	7.51	83	44889	20.389 ug/l	97
31) Cyclohexane	7.78	56	31058	17.589 ug/l	99
32) 1,1,1-Trichloroethane	7.70	97	35052	19.601 ug/l	97
36) 1,1-Dichloropropene	7.92	75	29363	19.255 ug/l	97
37) Ethyl Acetate	7.07	43	20805	20.468 ug/l	97
38) Carbon Tetrachloride	7.89	117	29788	20.697 ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	36711	19.578	ug/l	96
40) Benzene	8.16	78	98209	19.499	ug/l	100
41) Methacrylonitrile	7.35	41	30242	41.750	ug/l #	1
42) 1,2-Dichloroethane	8.24	62	27993	20.982	ug/l	100
43) Isopropyl Acetate	8.27	43	41027	20.638	ug/l	98
44) Trichloroethene	8.94	130	25218	19.599	ug/l	91
45) 1,2-Dichloropropane	9.21	63	26602	20.389	ug/l	95
46) Dibromomethane	9.31	93	14760	20.711	ug/l	99
47) Bromodichloromethane	9.50	83	35800	20.701	ug/l	97
48) Methyl methacrylate	9.29	41	17933	20.512	ug/l	98
49) 1,4-Dioxane	9.29	88	5528	399.517	ug/l #	91
51) 4-Methyl-2-Pentanone	10.07	43	110952	102.222	ug/l	99
52) Toluene	10.24	92	64519	20.162	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	36916	20.133	ug/l	92
54) cis-1,3-Dichloropropene	9.93	75	41472	19.586	ug/l	94
55) 1,1,2-Trichloroethane	10.65	97	23577	21.102	ug/l	96
56) Ethyl methacrylate	10.51	69	33057	20.792	ug/l	98
57) 1,3-Dichloropropane	10.79	76	37499	19.980	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	86317	100.433	ug/l	99
59) 2-Hexanone	10.84	43	83355	107.647	ug/l	95
60) Dibromochloromethane	10.99	129	25145	21.482	ug/l	94
61) 1,2-Dibromoethane	11.09	107	20678	20.262	ug/l	98
64) Tetrachloroethene	10.71	164	23887	21.639	ug/l	95
65) Chlorobenzene	11.52	112	72161	20.742	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	23806	20.238	ug/l	95
67) Ethyl Benzene	11.59	91	127153	20.480	ug/l	98
68) m/p-Xylenes	11.70	106	96246	40.740	ug/l	98
69) o-Xylene	12.03	106	48114	21.033	ug/l	95
70) Styrene	12.04	104	82922	20.649	ug/l	99
71) Bromoform	12.21	173	13617	19.996	ug/l #	95
73) Isopropylbenzene	12.33	105	127338	20.495	ug/l	99
74) N-amyl acetate	12.15	43	36614	20.685	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.58	83	29924	20.460	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	38231	35.244	ug/l #	100
77) Bromobenzene	12.61	156	26675	20.560	ug/l	100
78) n-propylbenzene	12.67	91	151962	20.050	ug/l	99
79) 2-Chlorotoluene	12.76	91	84449	19.931	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	104618	20.327	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	11776	20.879	ug/l	94
82) 4-Chlorotoluene	12.85	91	89825	20.502	ug/l	96
83) tert-Butylbenzene	13.07	119	87056	19.770	ug/l	96
84) 1,2,4-Trimethylbenzene	13.12	105	101999	20.102	ug/l	97
85) sec-Butylbenzene	13.25	105	132441	20.358	ug/l	97
86) p-Isopropyltoluene	13.37	119	112886	20.471	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	53958	20.966	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	54392	21.032	ug/l	99
89) n-Butylbenzene	13.69	91	115310	20.326	ug/l	99
90) Hexachloroethane	13.96	117	22826	21.064	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	48356	19.999	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	5262	20.207	ug/l	93

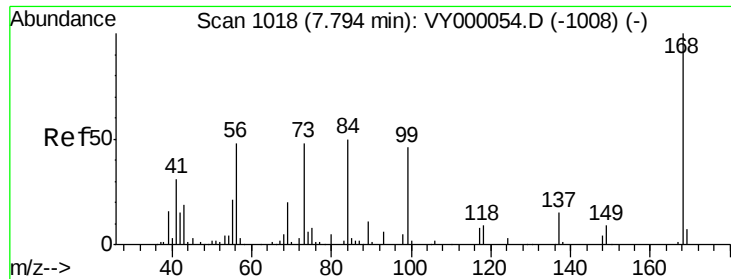
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	31686	21.717	ug/l	99
94) Hexachlorobutadiene	15.11	225	15526	22.164	ug/l	97
95) Naphthalene	15.23	128	84850	20.486	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	29059	20.869	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

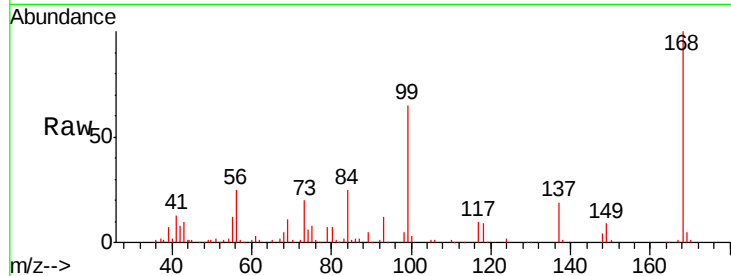
VY0919SBS01

Tgt Ion:168 Resp: 106981

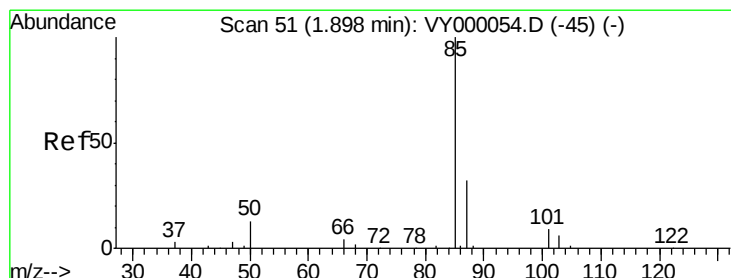
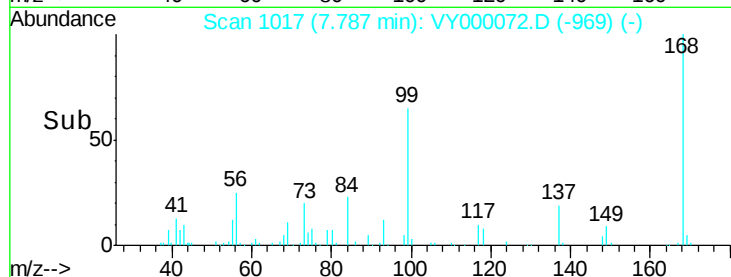
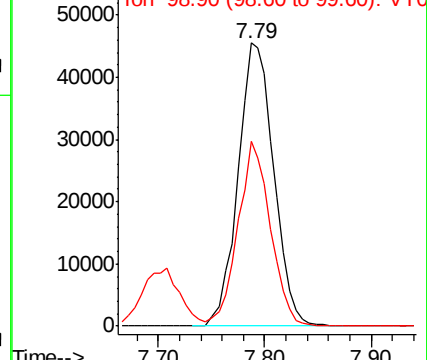
Ion Ratio Lower Upper

168 100

99 65.1 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): VY000072.D (-969) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.90 min Scan# 51

Delta R.T. 0.00 min

Lab File: VY000072.D

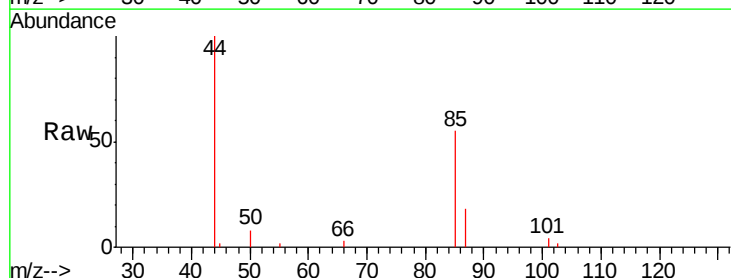
Acq: 19 Sep 2019 13:16

Tgt Ion: 85 Resp: 2041

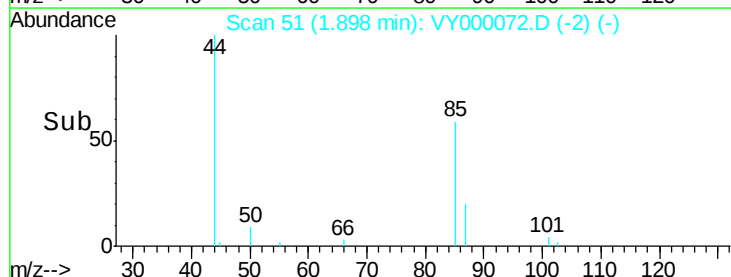
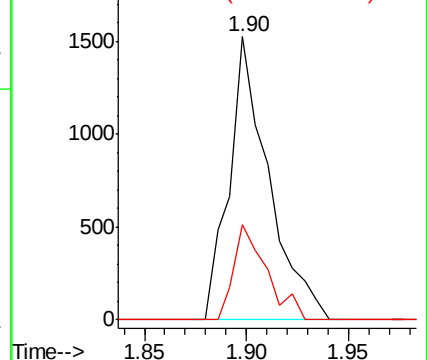
Ion Ratio Lower Upper

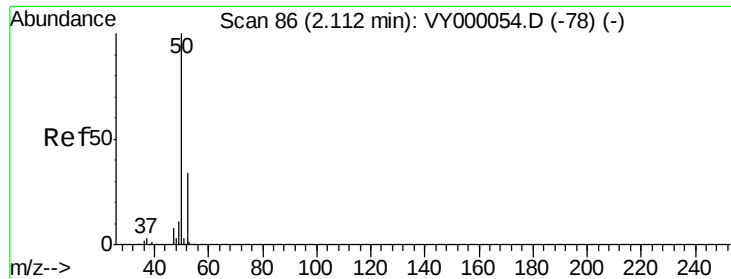
85 100

87 33.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VY000072.D (-2) (-)





#3

Chloromethane

Concen: 3.199 ug/l

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

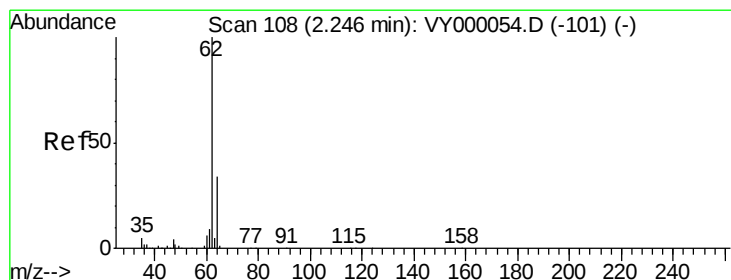
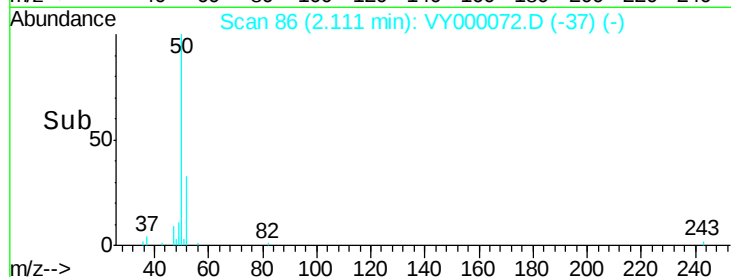
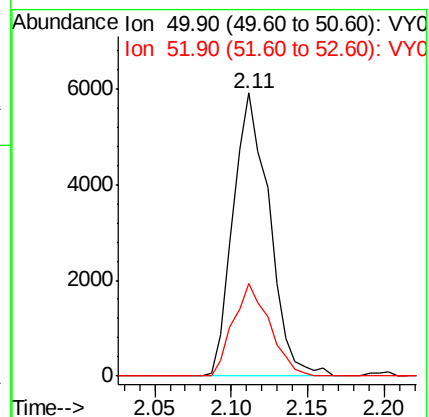
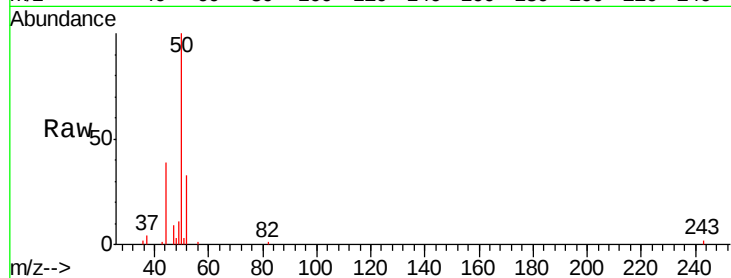
VY0919SBS01

Tgt Ion: 50 Resp: 9670

Ion Ratio Lower Upper

50 100

52 32.7 27.3 40.9



#4

Vinyl Chloride

Concen: 10.020 ug/l

RT: 2.25 min Scan# 108

Delta R.T. -0.00 min

Lab File: VY000072.D

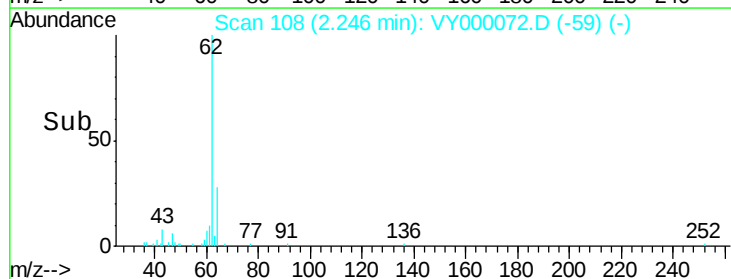
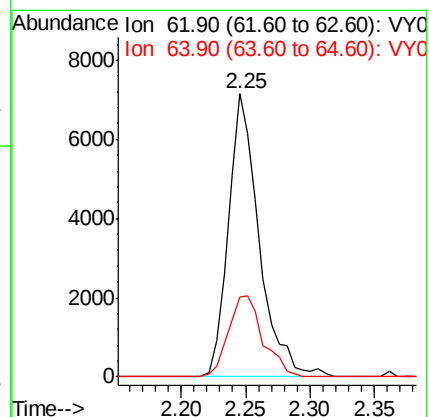
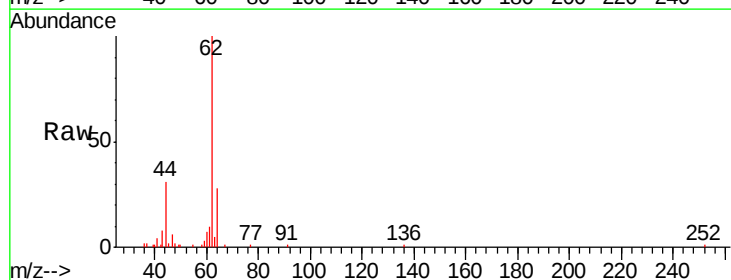
Acq: 19 Sep 2019 13:16

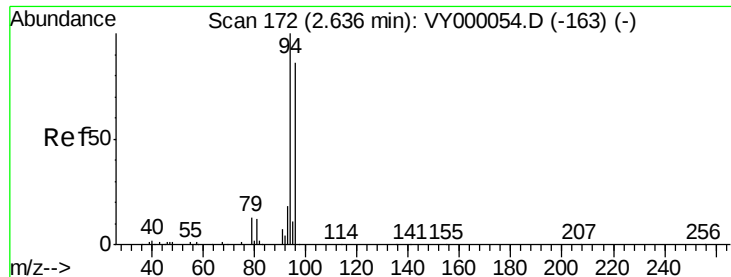
Tgt Ion: 62 Resp: 11961

Ion Ratio Lower Upper

62 100

64 28.3 26.9 40.3





#5

Bromomethane

Concen: 14.426 ug/l

RT: 2.62 min Scan# 170

Delta R.T. -0.01 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

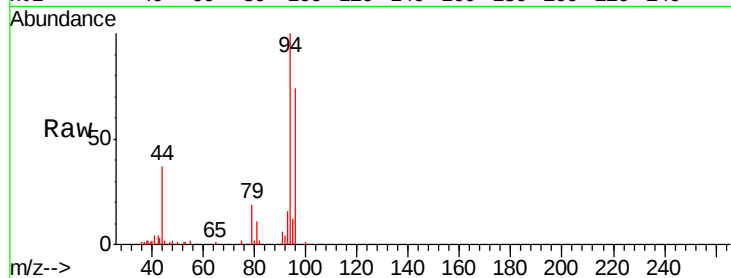
VY0919SBS01

Tgt Ion: 94 Resp: 12262

Ion Ratio Lower Upper

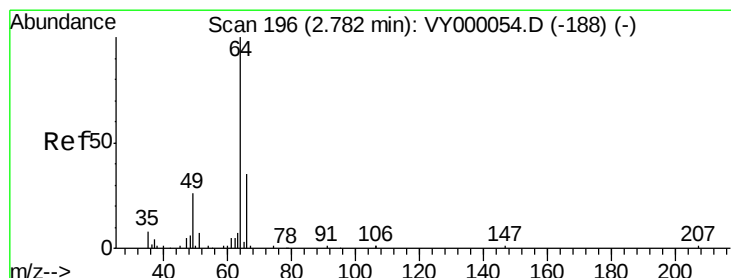
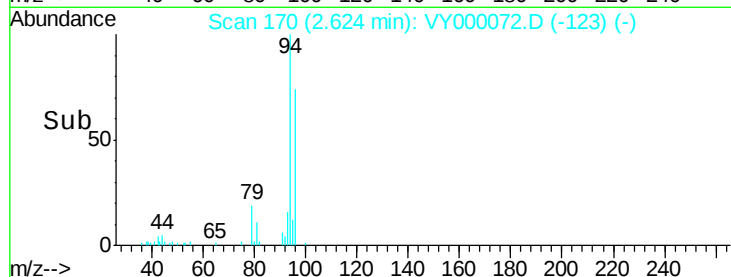
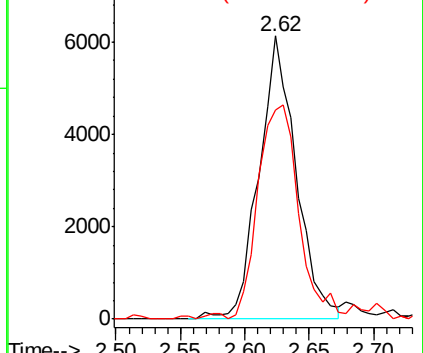
94 100

96 72.6 69.1 103.7



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 15.532 ug/l

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VY000072.D

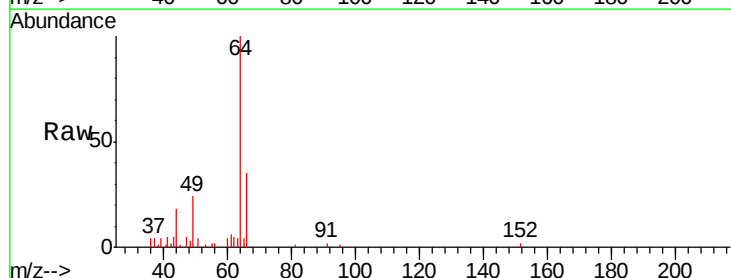
Acq: 19 Sep 2019 13:16

Tgt Ion: 64 Resp: 12428

Ion Ratio Lower Upper

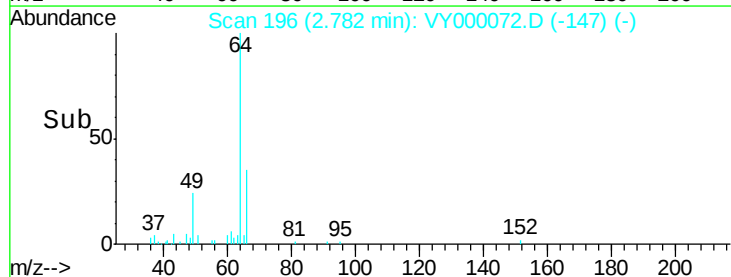
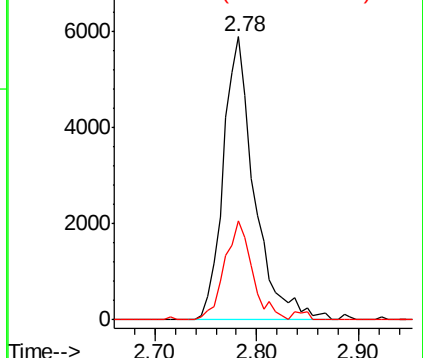
64 100

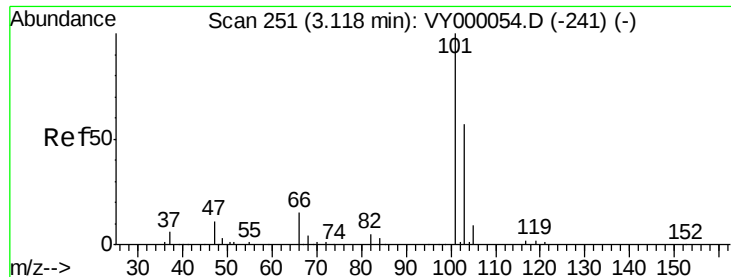
66 34.8 27.7 41.5



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



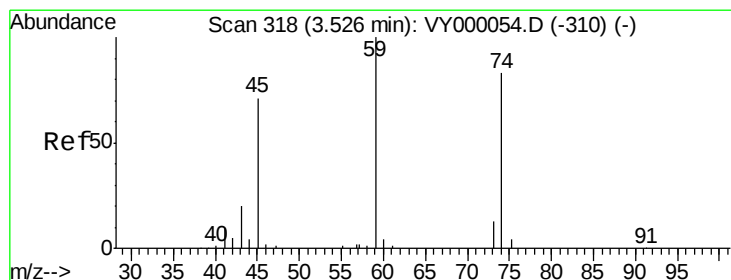
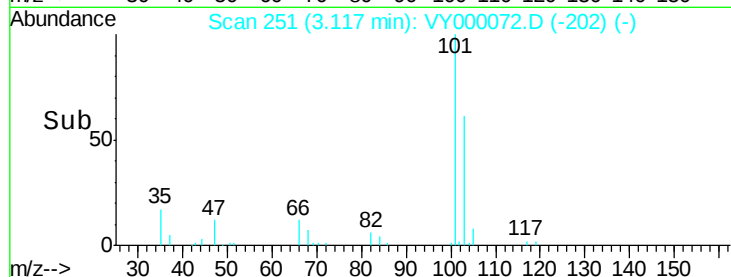
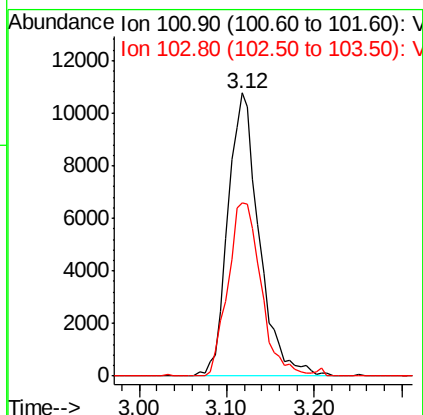
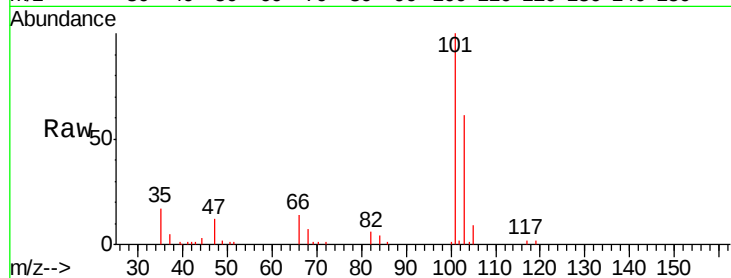


#7

Trichlorofluoromethane
Concen: 16.168 ug/l
RT: 3.12 min Scan# 251
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Instrument :
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VY0919SBS01

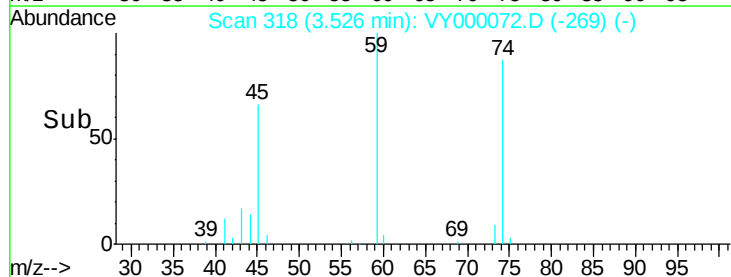
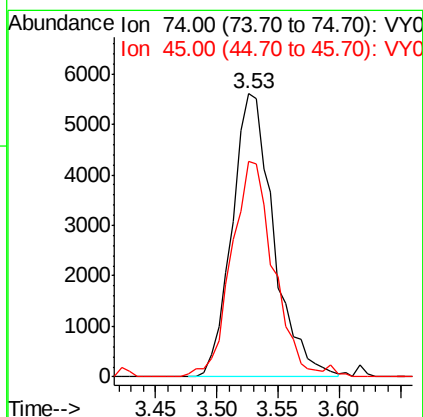
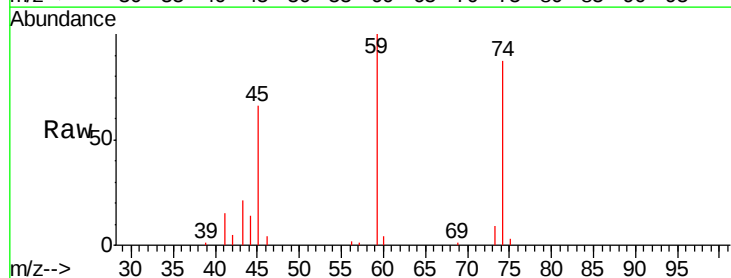
Tgt Ion:101 Resp: 26686
Ion Ratio Lower Upper
101 100
103 61.4 45.7 68.5

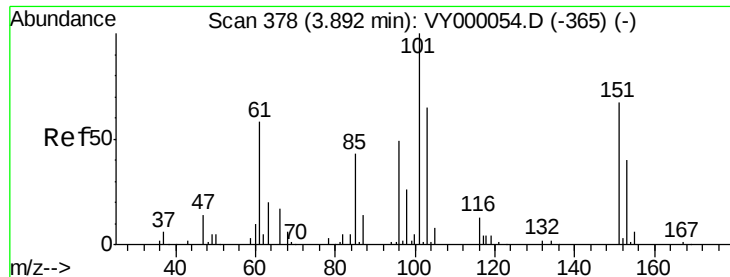


#8

Diethyl Ether
Concen: 18.700 ug/l
RT: 3.53 min Scan# 318
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion: 74 Resp: 13215
Ion Ratio Lower Upper
74 100
45 77.0 40.6 122.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.391 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

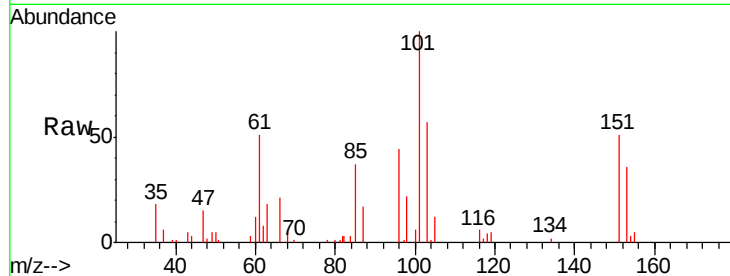
Tgt Ion:101 Resp: 20825

Ion Ratio Lower Upper

101 100

85 44.9 36.8 55.2

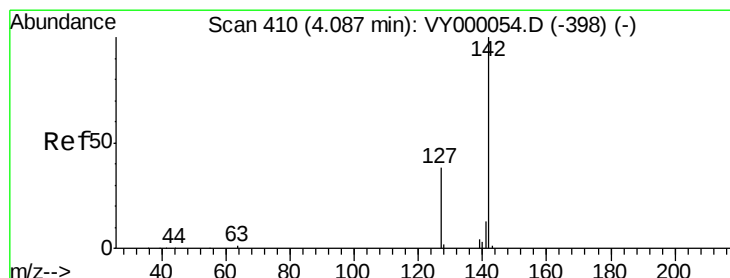
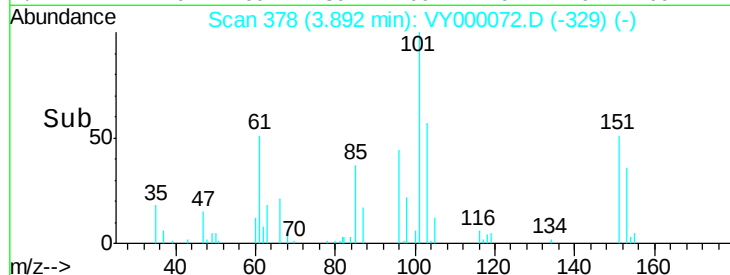
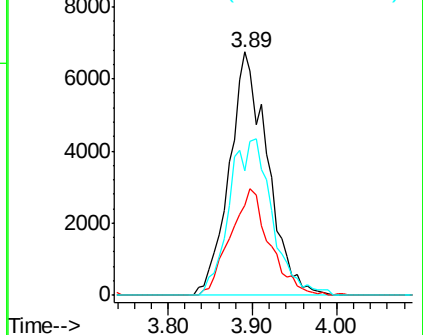
151 72.0 54.4 81.6



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: 15.322 ug/l

RT: 4.09 min Scan# 410

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

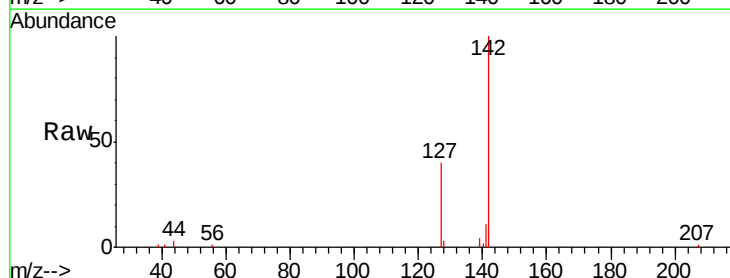
Tgt Ion:142 Resp: 18042

Ion Ratio Lower Upper

142 100

127 38.3 31.6 47.4

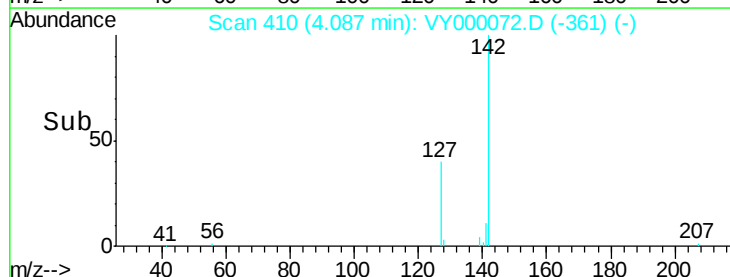
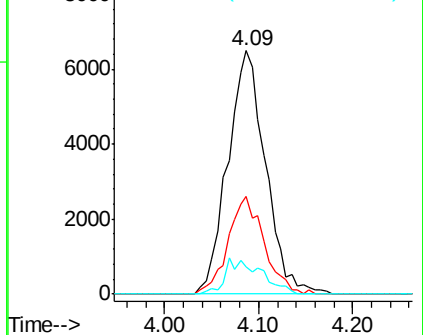
141 13.9 10.9 16.3

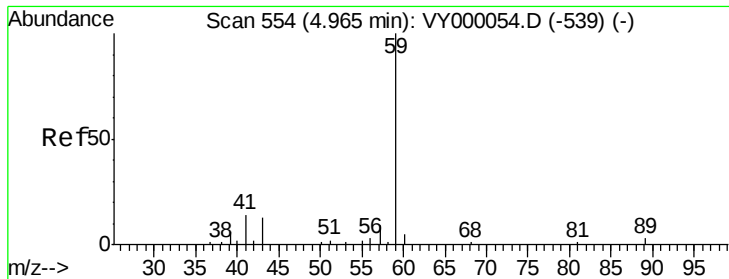


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



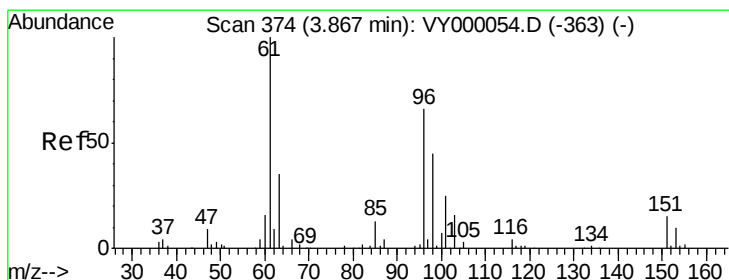
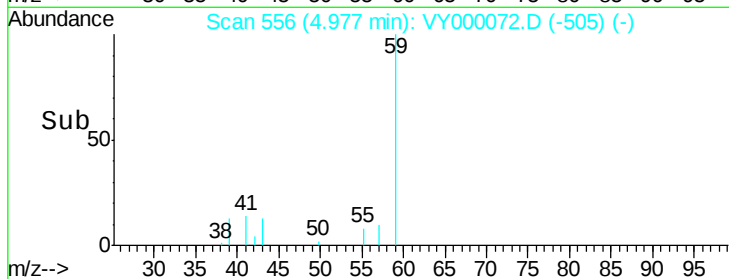
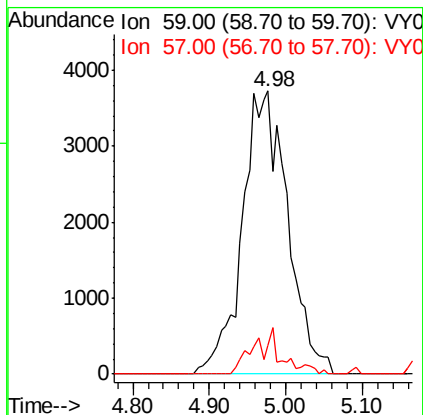
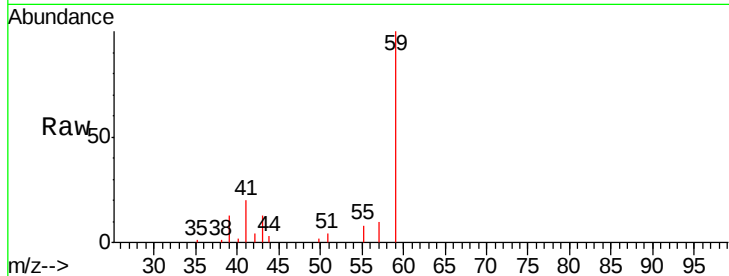


#11

Tert butyl alcohol
Concen: 105.410 ug/l
RT: 4.98 min Scan# 556
Delta R.T. 0.01 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

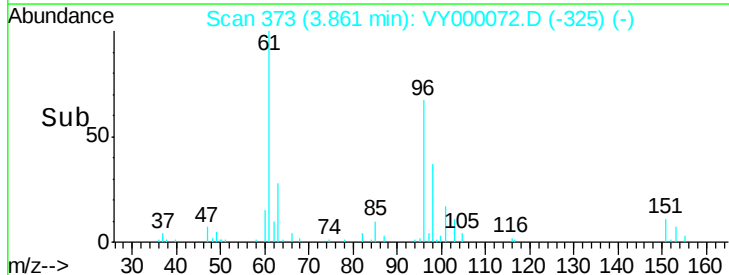
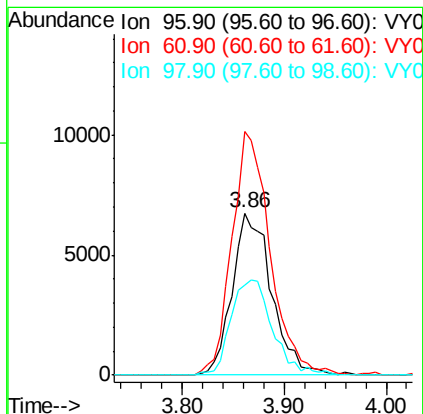
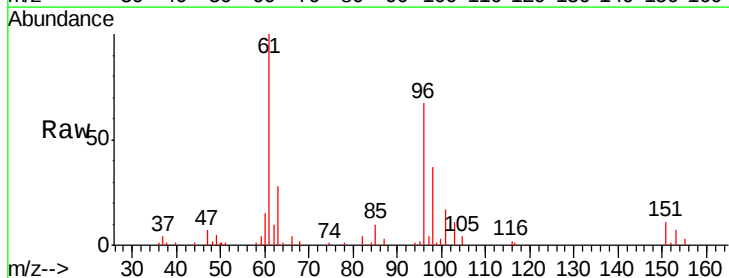
Tgt Ion: 59 Resp: 15381
Ion Ratio Lower Upper
59 100
57 4.4 8.0 12.0#

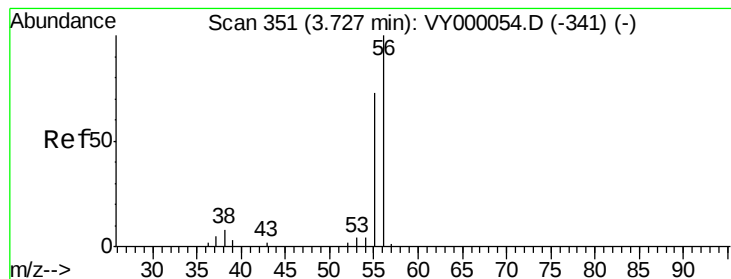


#12

1,1-Dichloroethene
Concen: 17.277 ug/l
RT: 3.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion: 96 Resp: 18034
Ion Ratio Lower Upper
96 100
61 150.0 120.4 180.6
98 55.7 54.1 81.1





#13

Acrolein

Concen: 112.760 ug/l

RT: 3.74 min Scan# 353

Delta R.T. 0.01 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

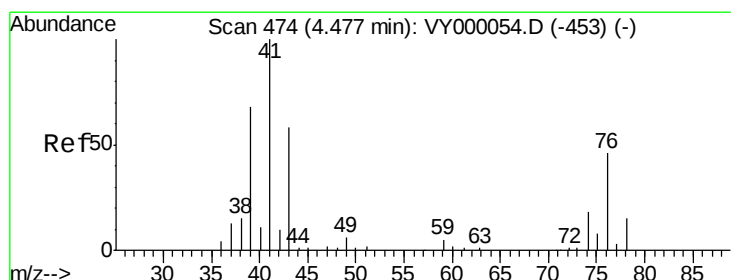
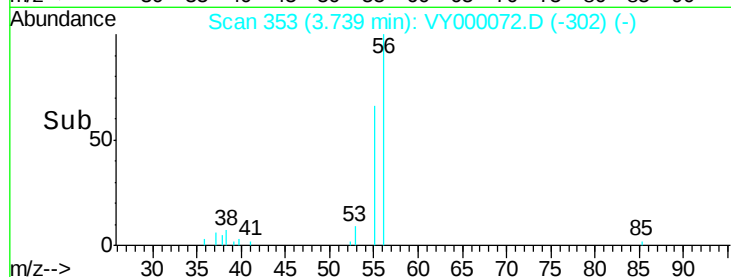
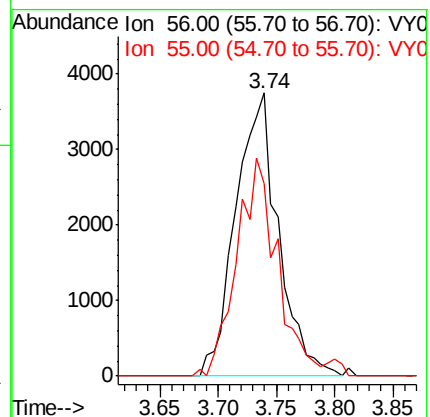
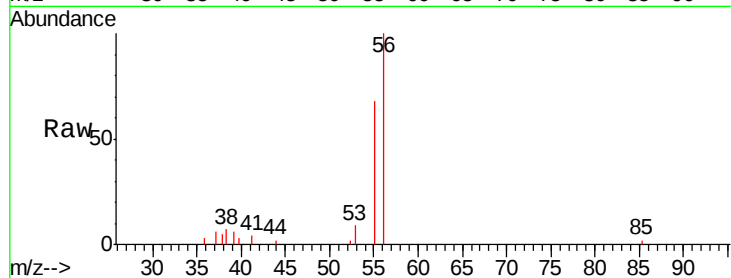
VY0919SBS01

Tgt Ion: 56 Resp: 9566

Ion Ratio Lower Upper

56 100

55 73.0 57.8 86.8



#14

Allyl chloride

Concen: 18.745 ug/l

RT: 4.48 min Scan# 474

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

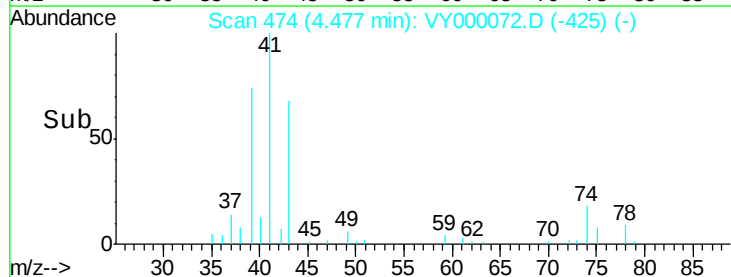
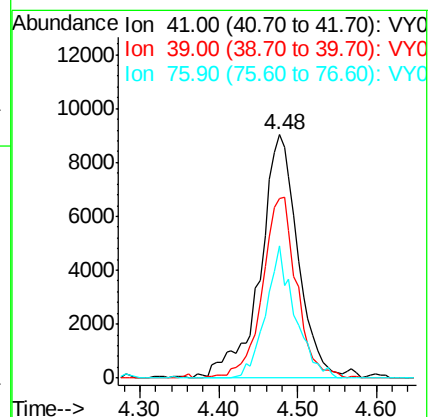
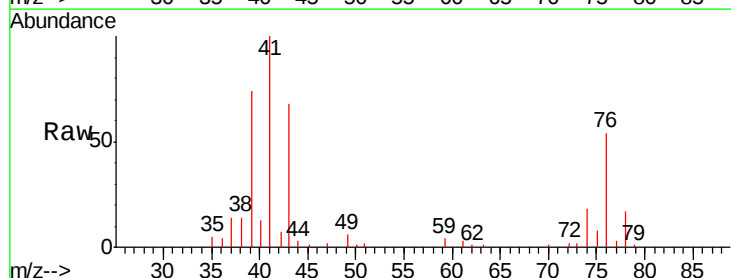
Tgt Ion: 41 Resp: 29906

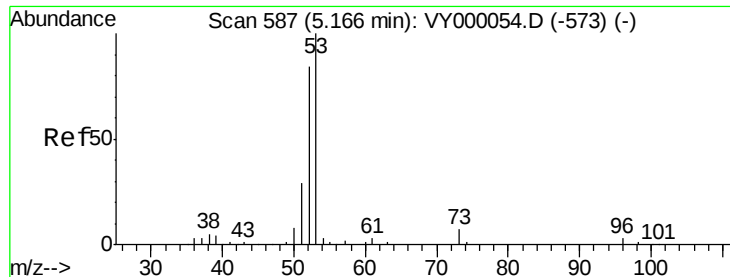
Ion Ratio Lower Upper

41 100

39 67.7 52.7 79.1

76 42.1 35.5 53.3





#15

Acrylonitrile

Concen: 100.170 ug/l

RT: 5.17 min Scan# 588

Delta R.T. 0.01 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

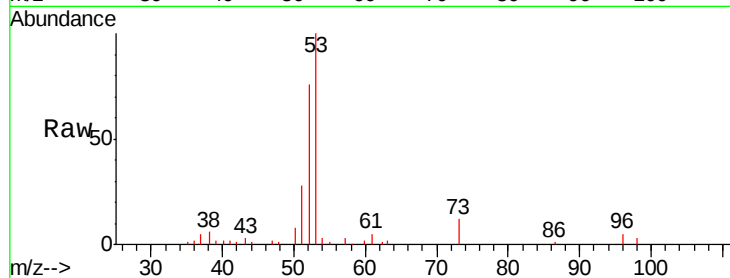
Tgt Ion: 53 Resp: 42449

Ion Ratio Lower Upper

53 100

52 80.1 64.7 97.1

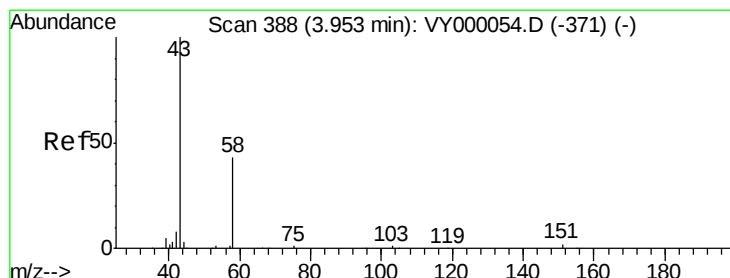
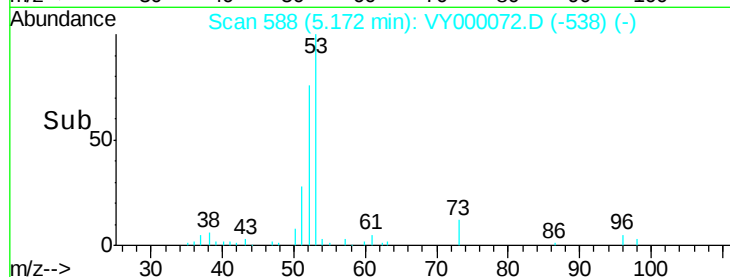
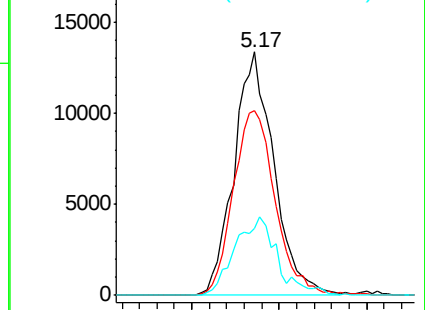
51 34.3 26.7 40.1



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: 93.860 ug/l

RT: 3.95 min Scan# 388

Delta R.T. -0.00 min

Lab File: VY000072.D

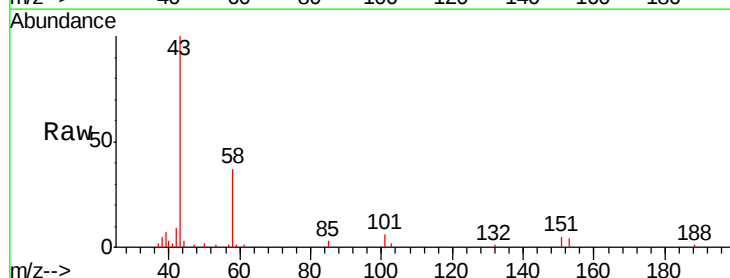
Acq: 19 Sep 2019 13:16

Tgt Ion: 43 Resp: 26898

Ion Ratio Lower Upper

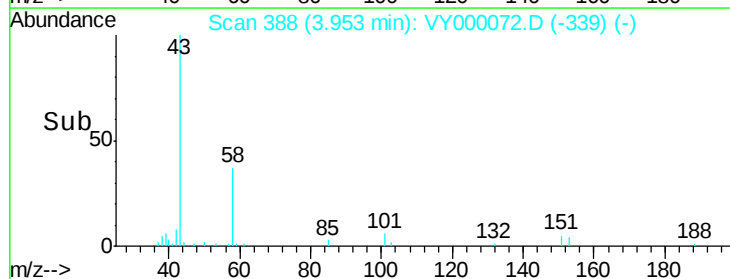
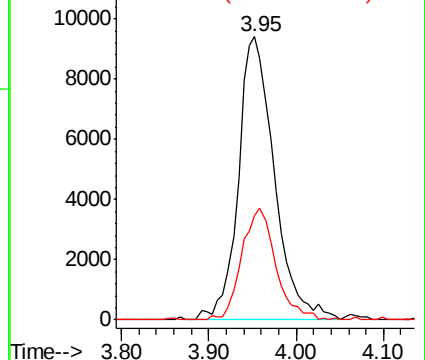
43 100

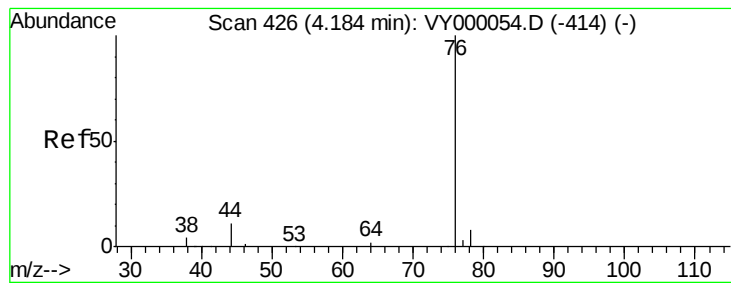
58 36.7 34.5 51.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#17

Carbon Disulfide

Concen: 13.686 ug/l

RT: 4.18 min Scan# 426

Delta R.T. 0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

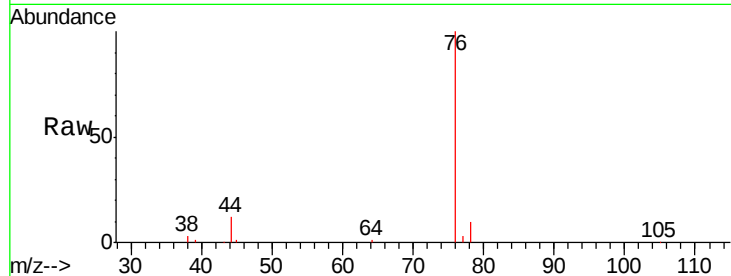
VY0919SBS01

Tgt Ion: 76 Resp: 30048

Ion Ratio Lower Upper

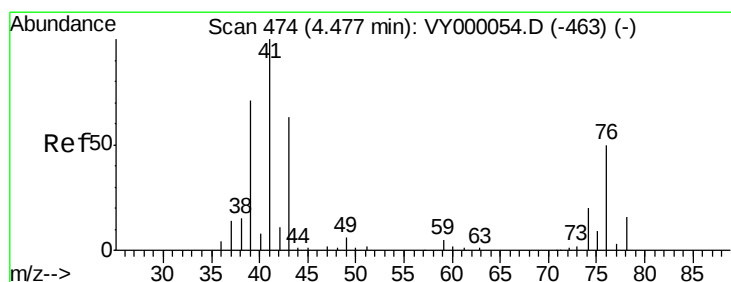
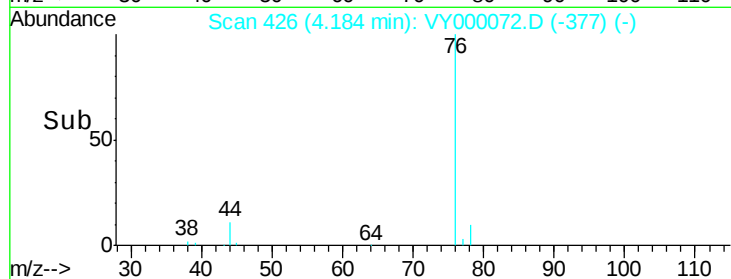
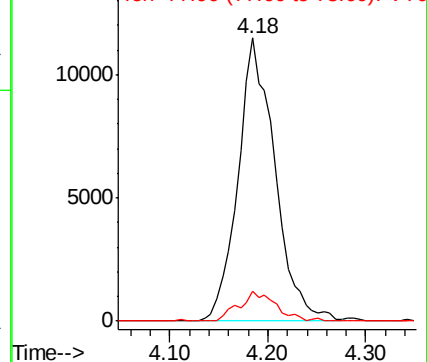
76 100

78 10.4 6.6 9.8#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 18.906 ug/l

RT: 4.48 min Scan# 474

Delta R.T. -0.00 min

Lab File: VY000072.D

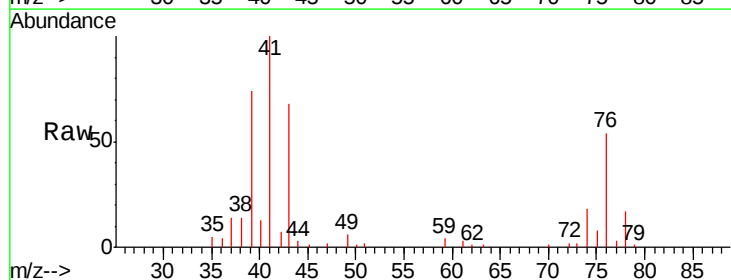
Acq: 19 Sep 2019 13:16

Tgt Ion: 43 Resp: 18101

Ion Ratio Lower Upper

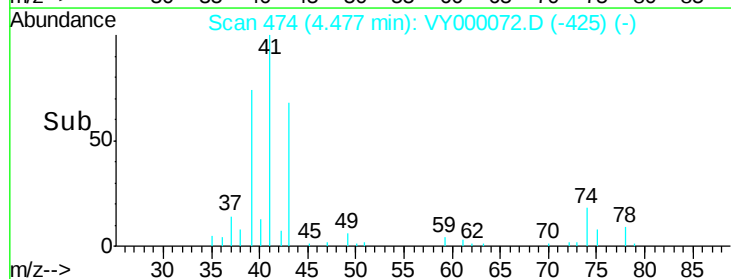
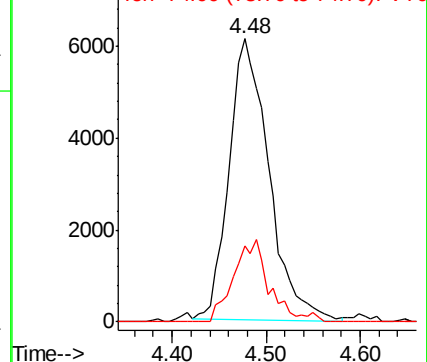
43 100

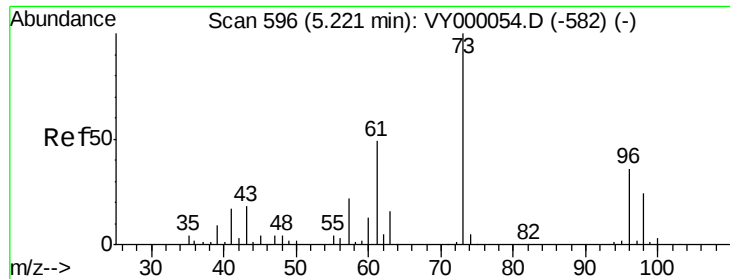
74 25.8 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

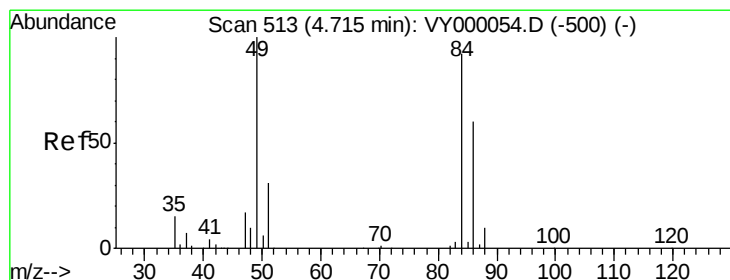
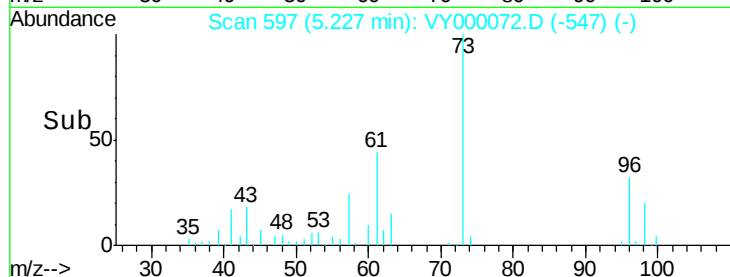
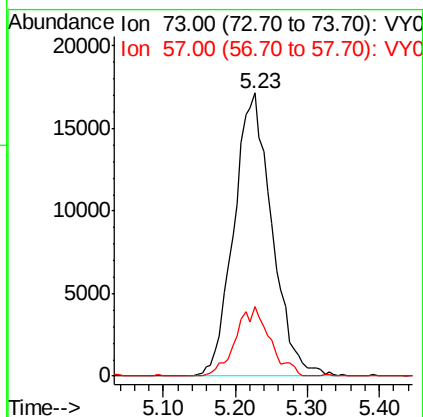
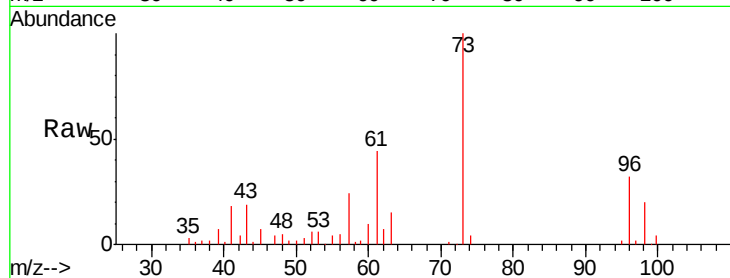




#19
Methyl tert-butyl Ether
Concen: 19.283 ug/l
RT: 5.23 min Scan# 597
Delta R.T. 0.01 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

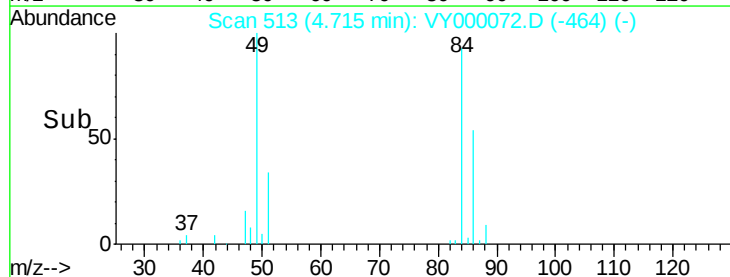
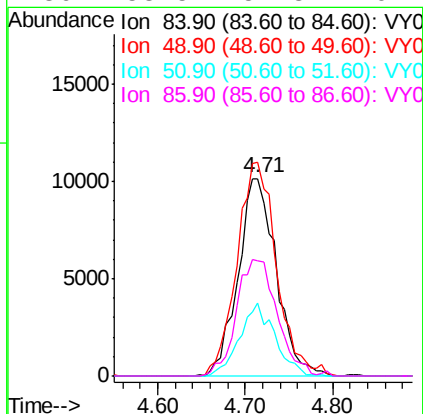
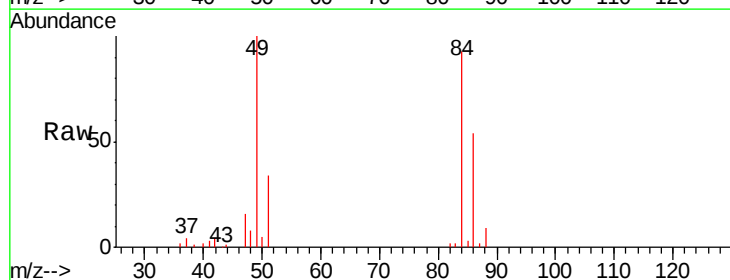
Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

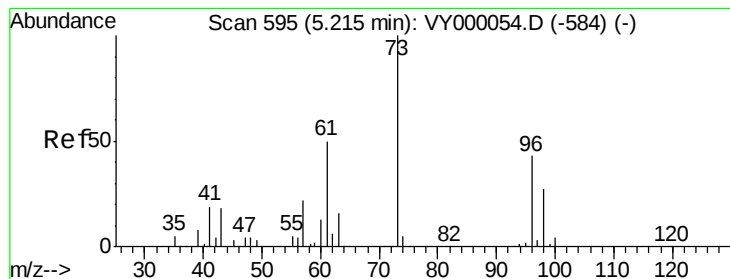
Tgt Ion: 73 Resp: 62903
Ion Ratio Lower Upper
73 100
57 24.4 17.5 26.3



#20
Methylene Chloride
Concen: 22.814 ug/l
RT: 4.71 min Scan# 513
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion: 84 Resp: 30756
Ion Ratio Lower Upper
84 100
49 108.1 87.4 131.0
51 36.7 27.2 40.8
86 58.5 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 17.907 ug/l

RT: 5.21 min Scan# 595

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

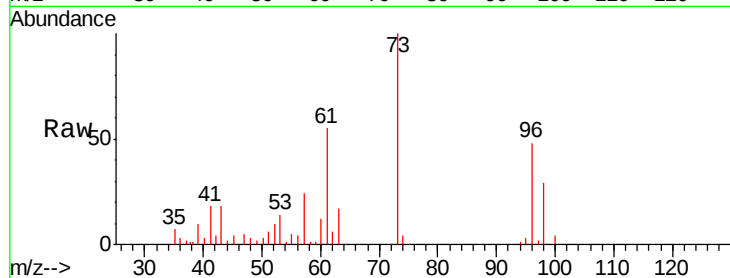
Tgt Ion: 96 Resp: 20778

Ion Ratio Lower Upper

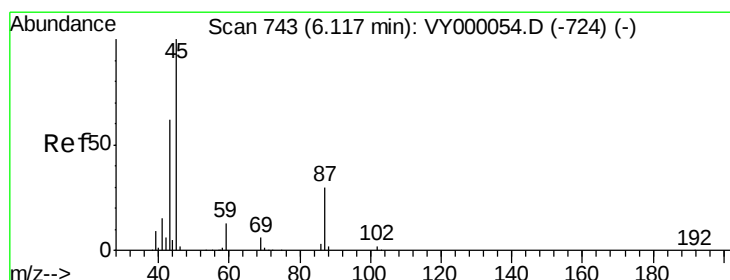
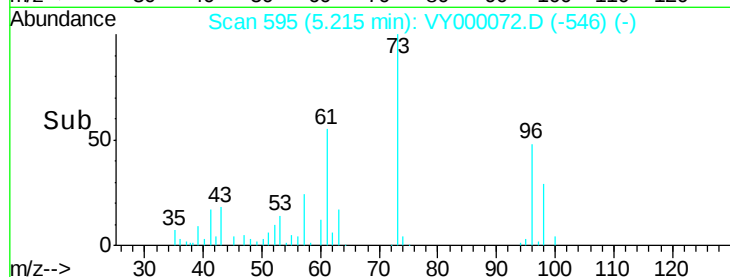
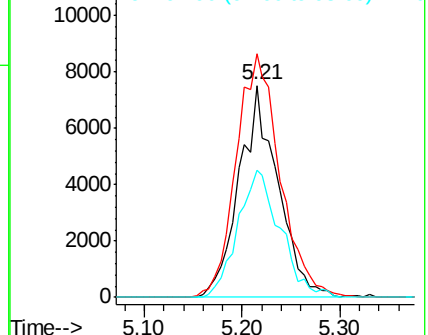
96 100

61 114.9 94.0 141.0

98 60.2 50.3 75.5



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



#22

Diisopropyl ether

Concen: 19.951 ug/l

RT: 6.12 min Scan# 743

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Tgt Ion: 45 Resp: 71914

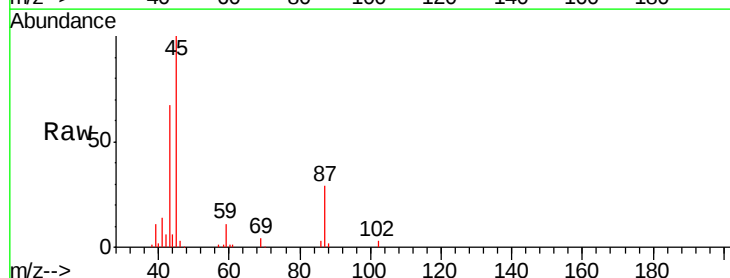
Ion Ratio Lower Upper

45 100

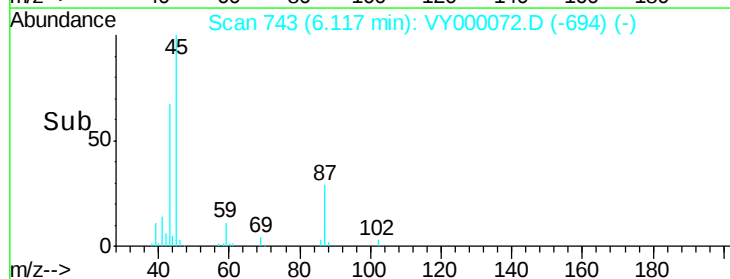
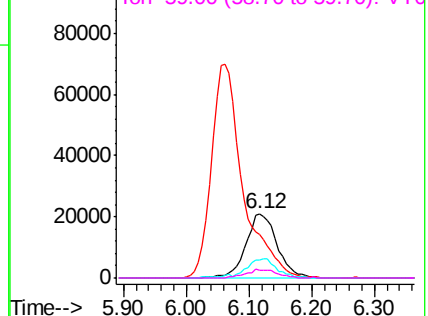
43 67.5 49.9 74.9

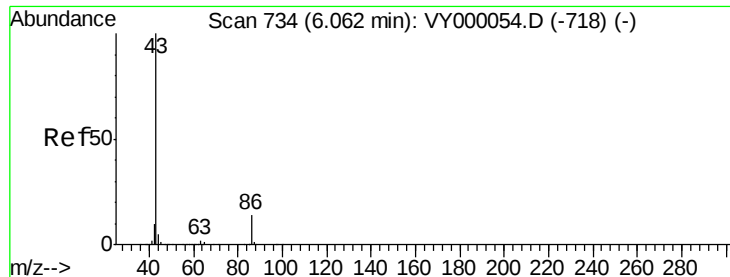
87 28.5 25.0 37.4

59 11.2 10.4 15.6



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: 100.645 ug/l

RT: 6.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

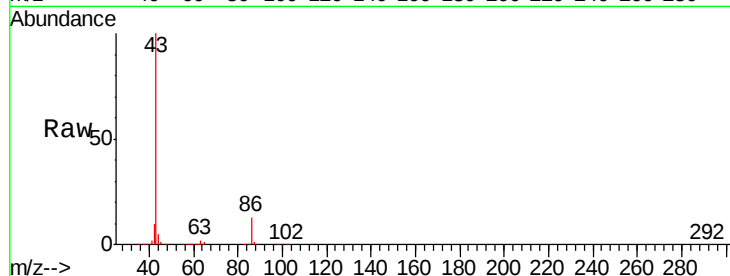
VY0919SBS01

Tgt Ion: 43 Resp: 242801

Ion Ratio Lower Upper

43 100

86 12.6 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.06

80000

60000

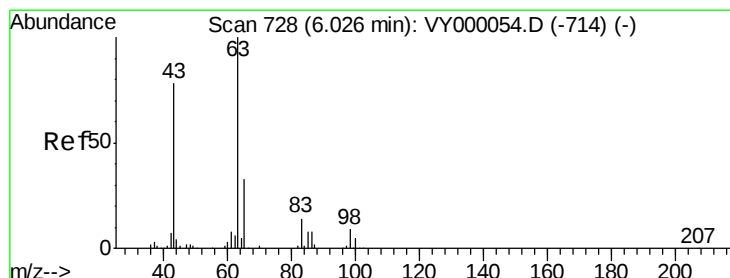
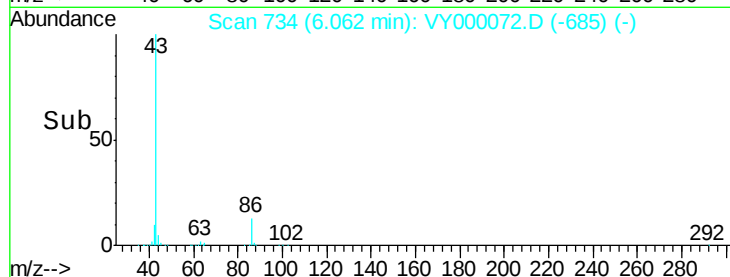
40000

20000

0

Time-->

5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 19.206 ug/l

RT: 6.01 min Scan# 726

Delta R.T. -0.01 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

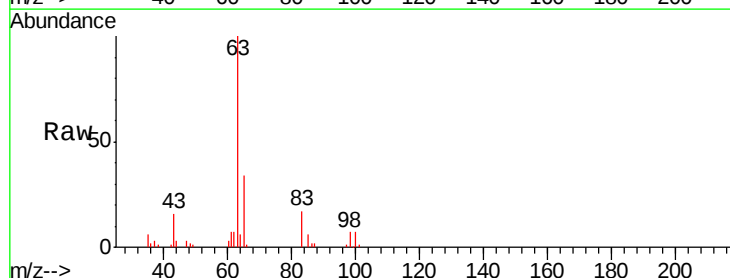
Tgt Ion: 63 Resp: 40974

Ion Ratio Lower Upper

63 100

98 7.2 4.5 13.5

100 7.3 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

15000

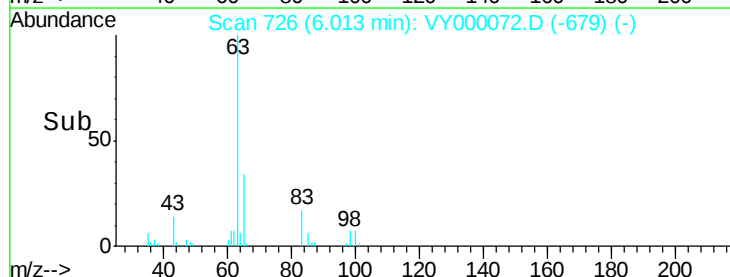
10000

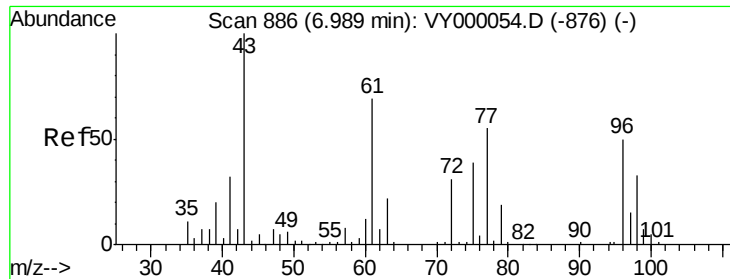
5000

0

Time-->

5.90 6.00 6.10





#25

2-Butanone

Concen: 97.645 ug/l

RT: 6.99 min Scan# 887

Delta R.T. 0.01 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

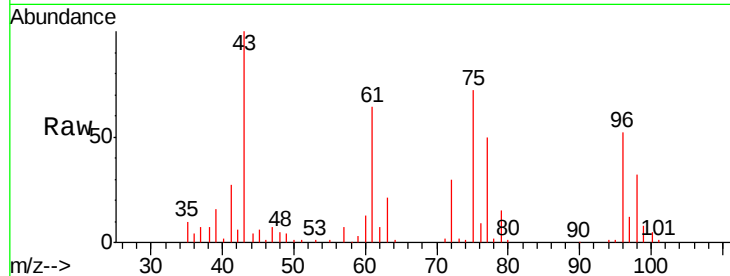
VY0919SBS01

Tgt Ion: 43 Resp: 50684

Ion Ratio Lower Upper

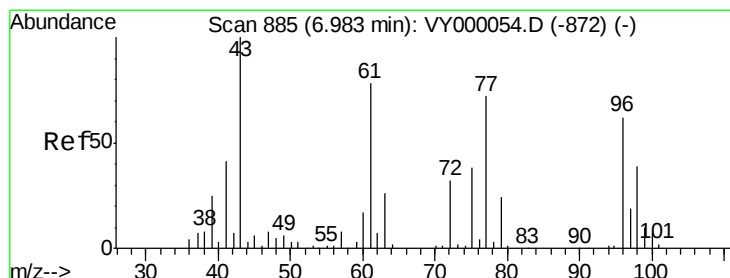
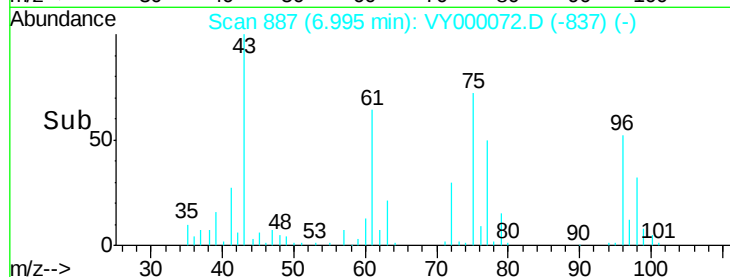
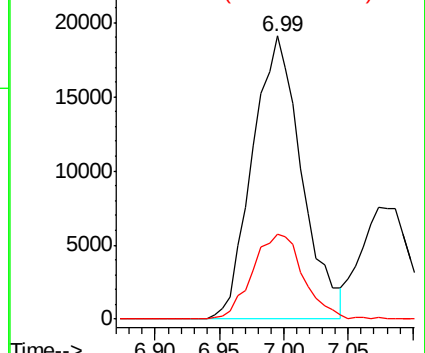
43 100

72 30.0 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 19.088 ug/l

RT: 6.98 min Scan# 885

Delta R.T. -0.00 min

Lab File: VY000072.D

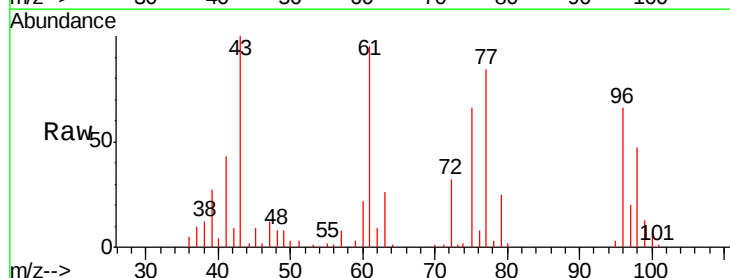
Acq: 19 Sep 2019 13:16

Tgt Ion: 77 Resp: 38432

Ion Ratio Lower Upper

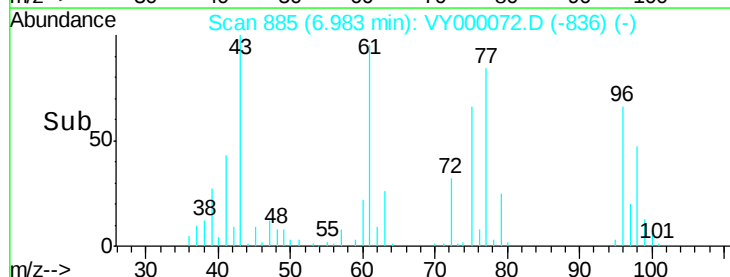
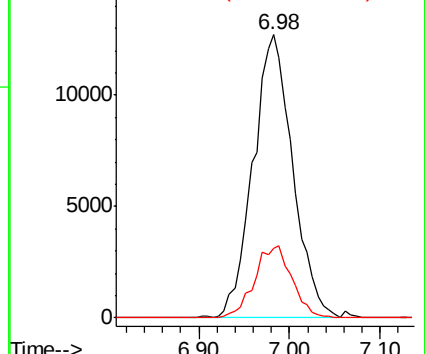
77 100

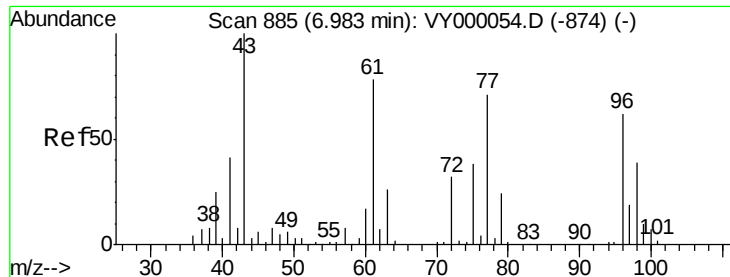
97 23.8 12.5 37.5



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



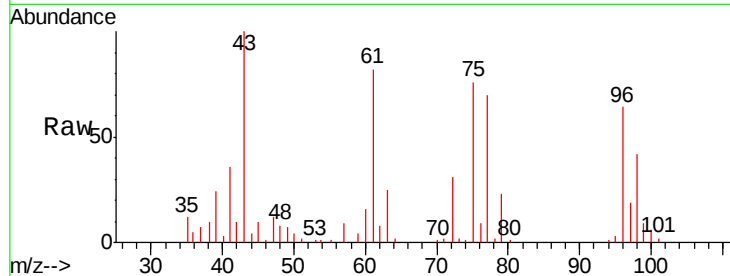


#27

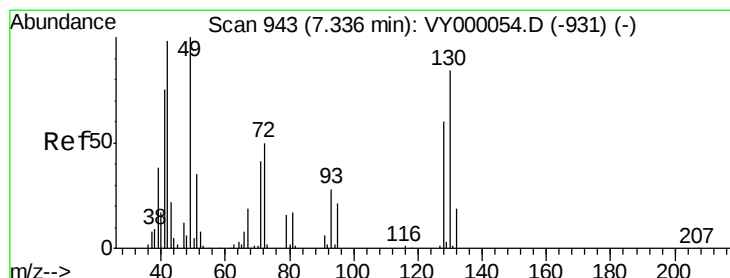
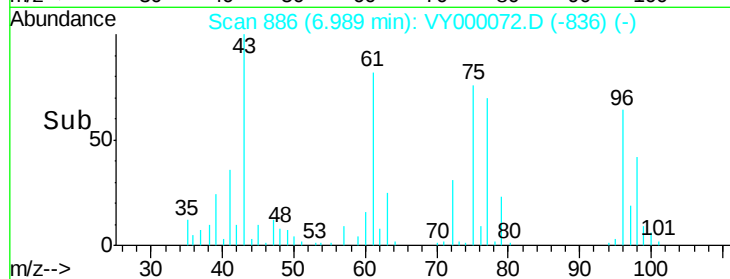
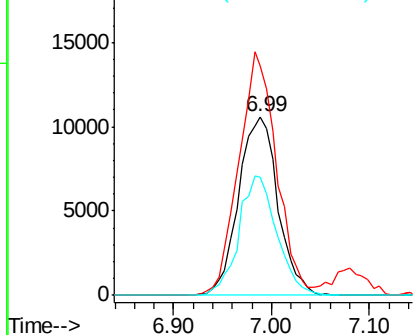
cis-1,2-Dichloroethene
Concen: 20.108 ug/l
RT: 6.99 min Scan# 886
Delta R.T. 0.01 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tgt Ion: 96 Resp: 29541
Ion Ratio Lower Upper
96 100
61 131.0 0.0 263.0
98 64.5 0.0 130.2



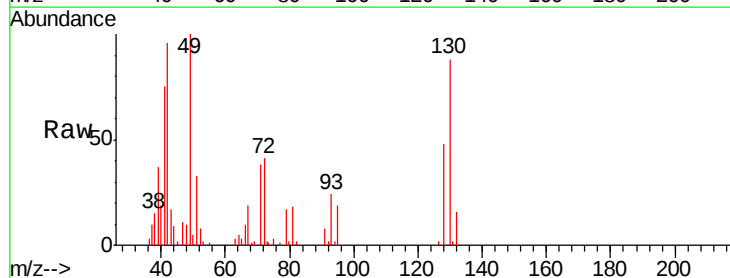
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



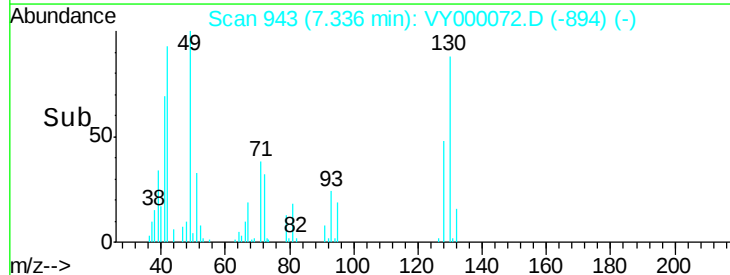
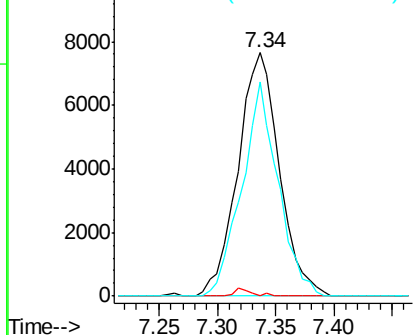
#28

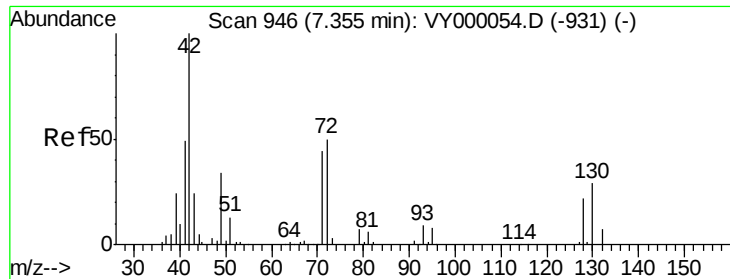
Bromochloromethane
Concen: 19.103 ug/l
RT: 7.34 min Scan# 943
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion: 49 Resp: 18891
Ion Ratio Lower Upper
49 100
129 1.3 0.0 4.8
130 77.2 66.2 99.4



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

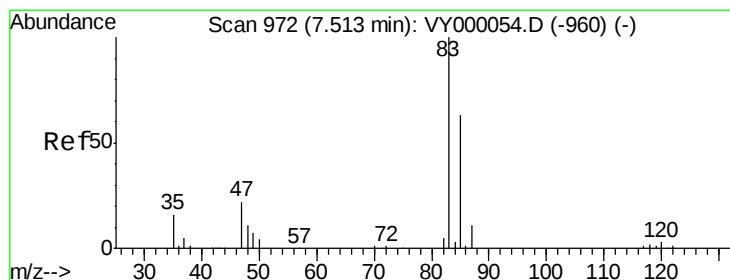
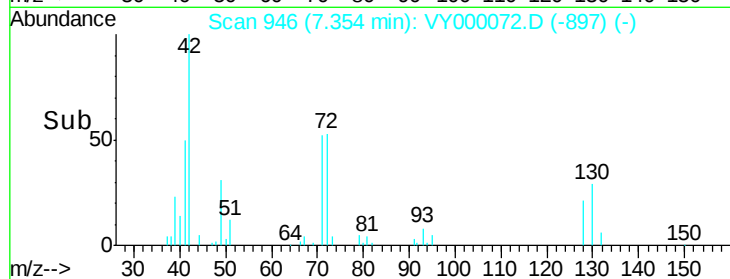
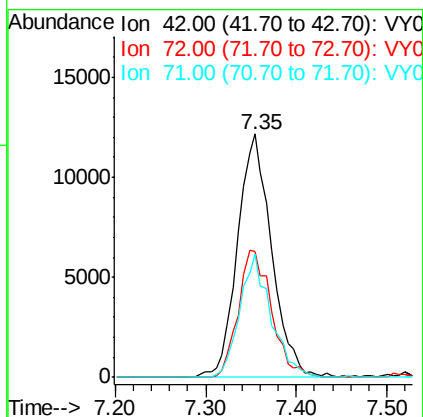
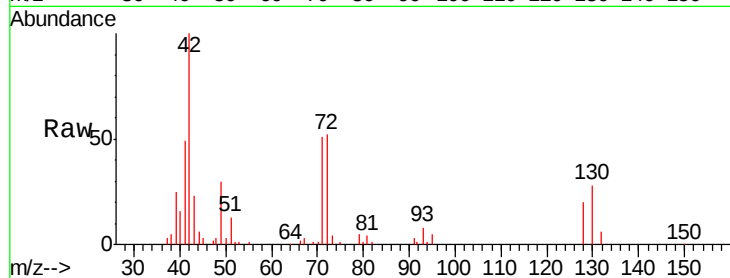




#29
Tetrahydrofuran
Concen: 101.891 ug/l
RT: 7.35 min Scan# 946
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

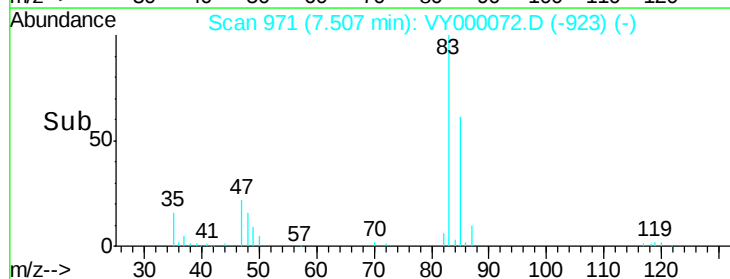
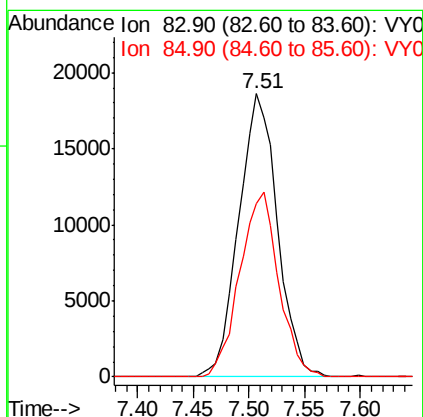
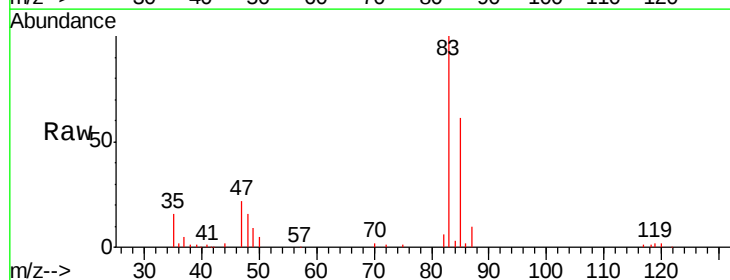
Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

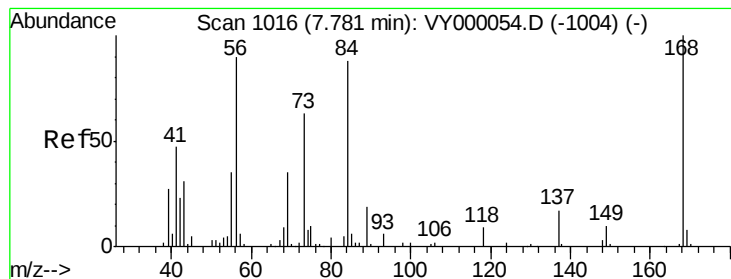
Tgt Ion: 42 Resp: 31750
Ion Ratio Lower Upper
42 100
72 50.9 41.8 62.6
71 46.0 38.6 58.0



#30
Chloroform
Concen: 20.389 ug/l
RT: 7.51 min Scan# 971
Delta R.T. -0.01 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion: 83 Resp: 44889
Ion Ratio Lower Upper
83 100
85 61.0 50.6 76.0





#31

Cyclohexane

Concen: 17.589 ug/l

RT: 7.78 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

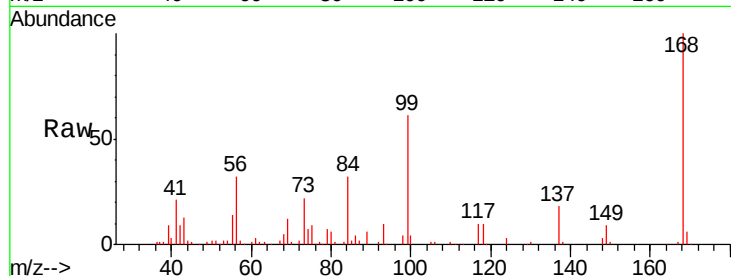
Tgt Ion: 56 Resp: 31058

Ion Ratio Lower Upper

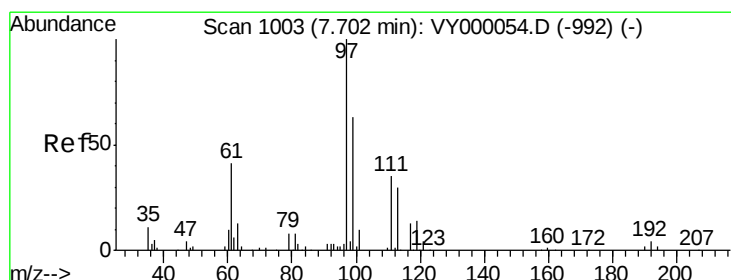
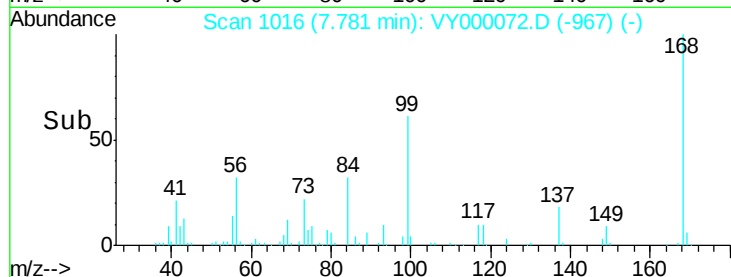
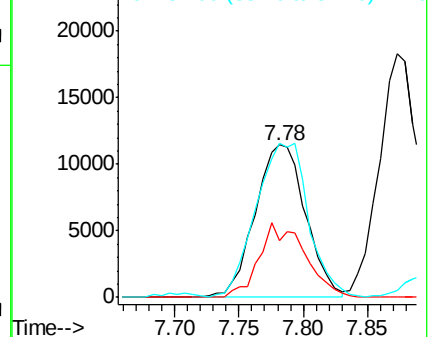
56 100

69 37.5 30.9 46.3

84 98.9 78.5 117.7



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



#32

1,1,1-Trichloroethane

Concen: 19.601 ug/l

RT: 7.70 min Scan# 1003

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

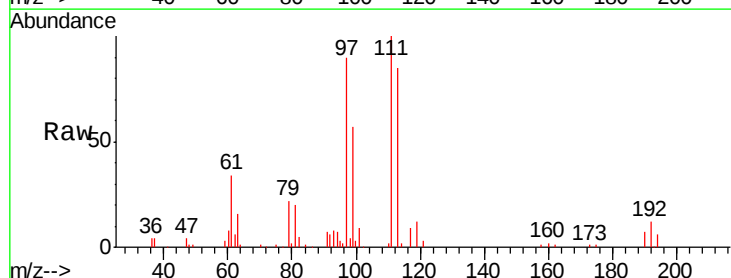
Tgt Ion: 97 Resp: 35052

Ion Ratio Lower Upper

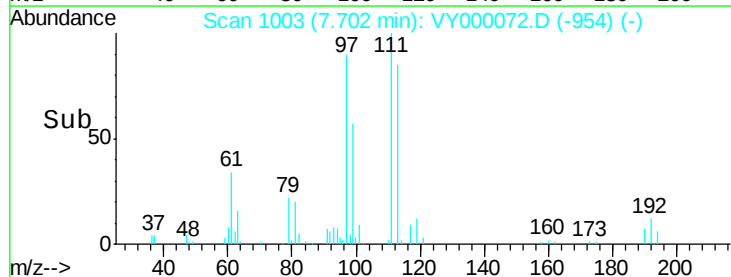
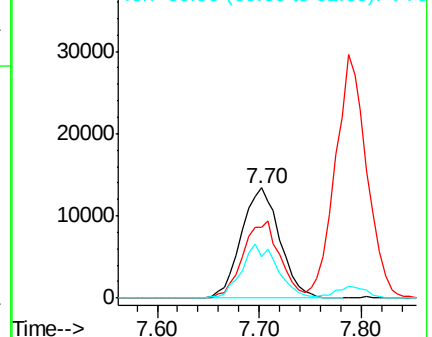
97 100

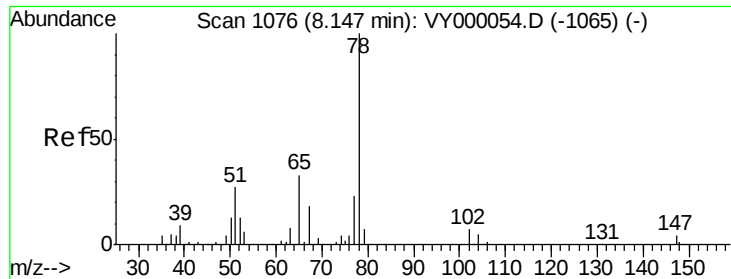
99 66.8 51.8 77.6

61 45.6 34.3 51.5



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

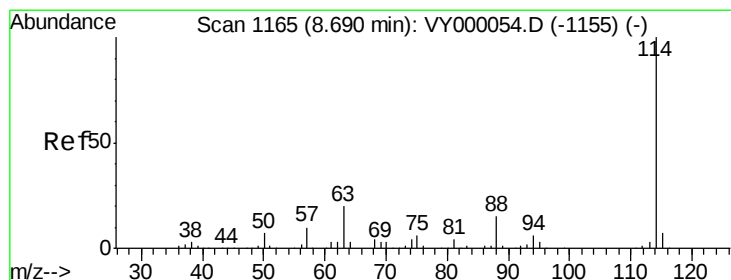
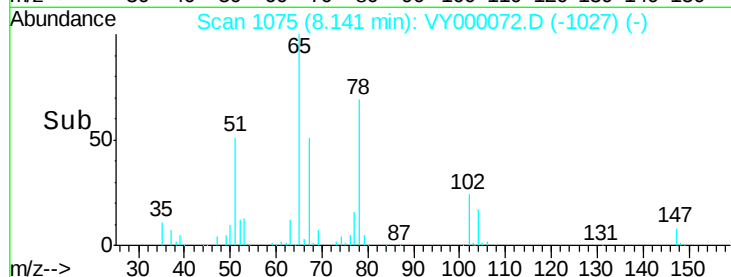
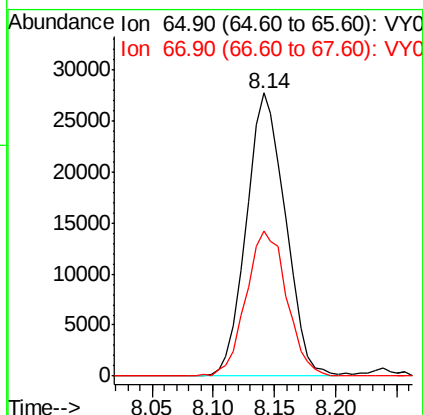
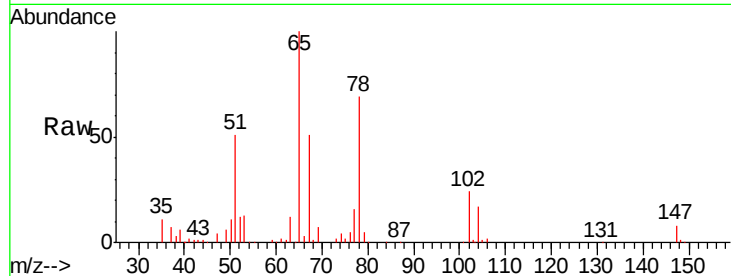




#33
 1,2-Dichloroethane-d4
 Concen: 49.877 ug/l
 RT: 8.14 min Scan# 1075
 Delta R.T. -0.01 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

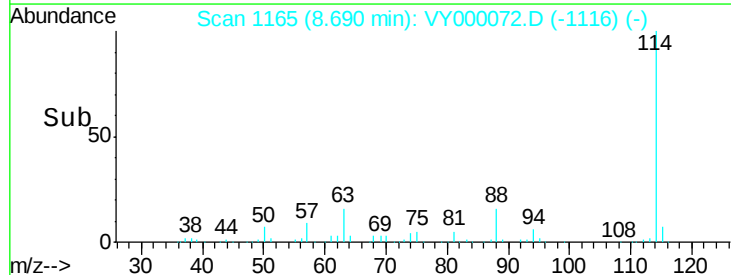
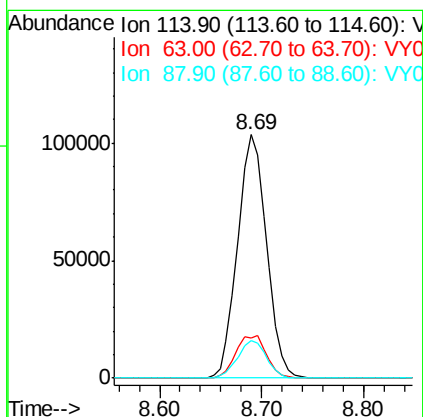
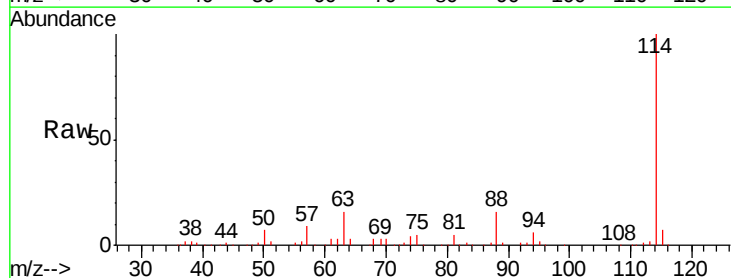
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

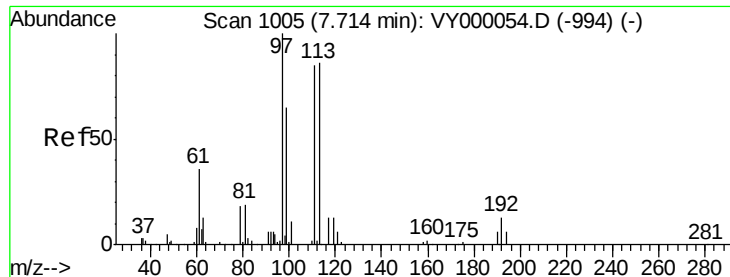
Tgt Ion: 65 Resp: 61390
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

Tgt Ion: 114 Resp: 203945
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 39.4
 88 15.6 0.0 30.2

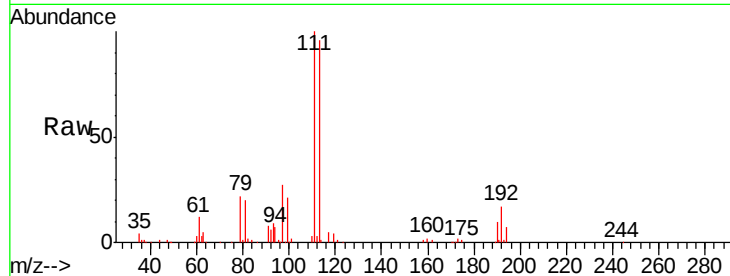




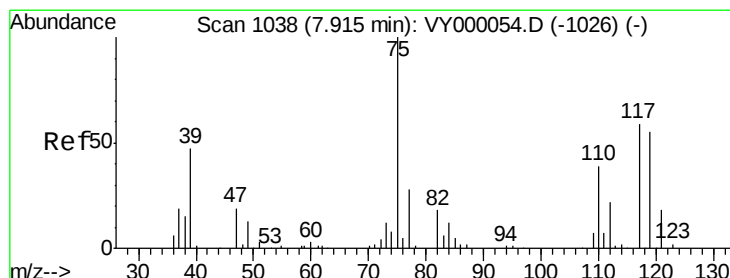
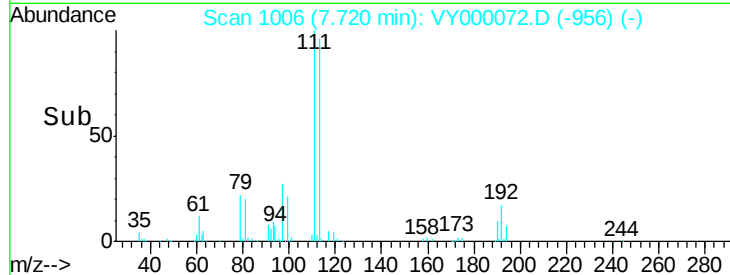
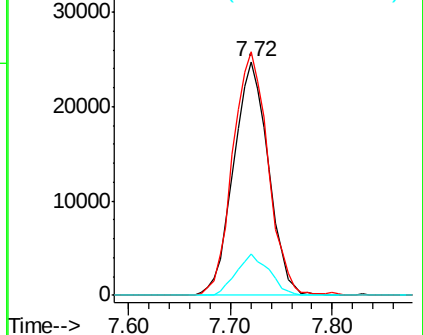
#35
 Dibromofluoromethane
 Concen: 47.654 ug/l
 RT: 7.72 min Scan# 1006
 Delta R.T. 0.01 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

Tgt Ion: 113 Resp: 58845
 Ion Ratio Lower Upper
 113 100
 111 104.9 81.7 122.5
 192 16.6 13.4 20.2

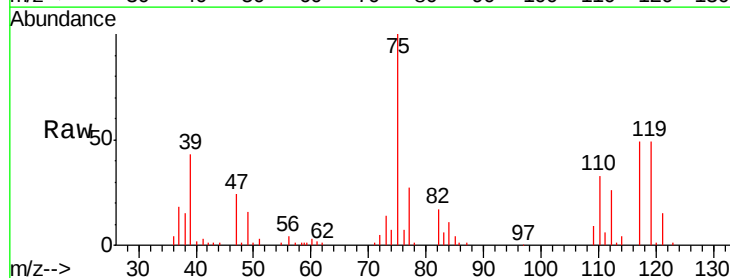


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

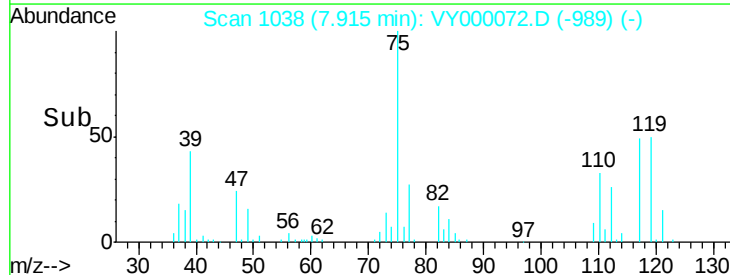
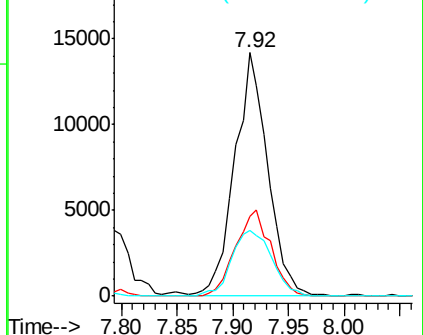


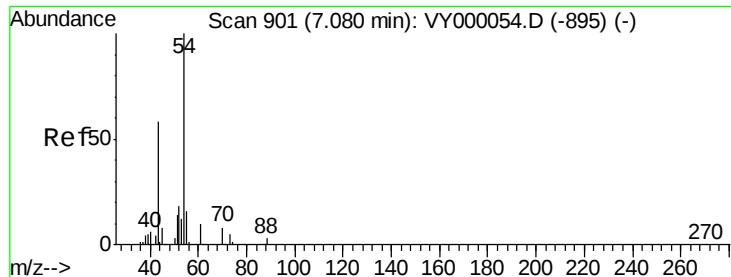
#36
 1,1-Dichloropropene
 Concen: 19.255 ug/l
 RT: 7.92 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

Tgt Ion: 75 Resp: 29363
 Ion Ratio Lower Upper
 75 100
 110 37.8 19.6 58.7
 77 32.7 24.3 36.5



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

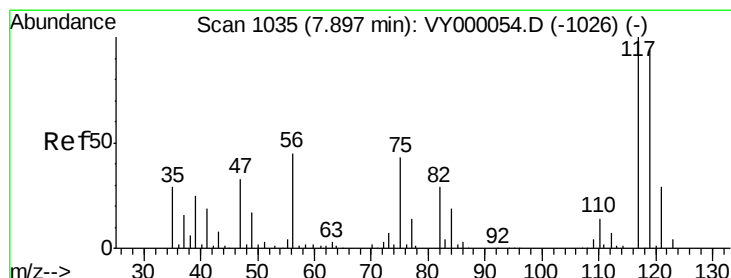
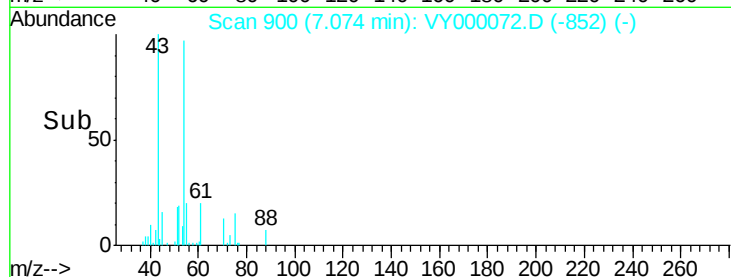
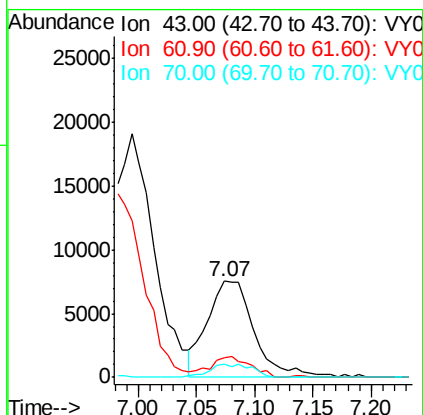
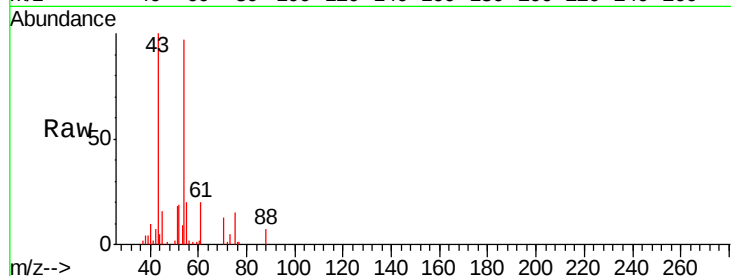




#37
Ethyl Acetate
Concen: 20.468 ug/l
RT: 7.07 min Scan# 900
Delta R.T. -0.01 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

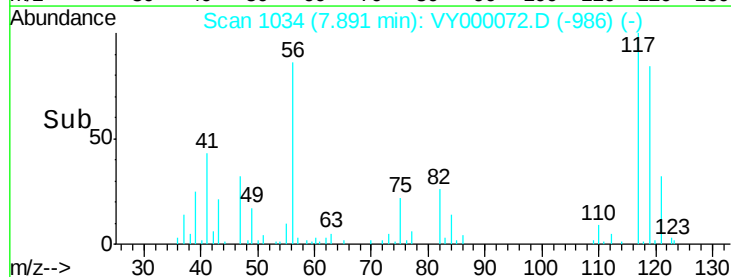
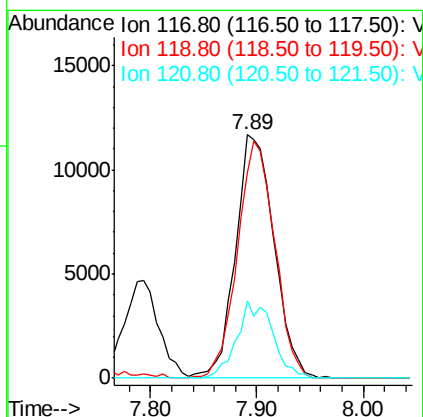
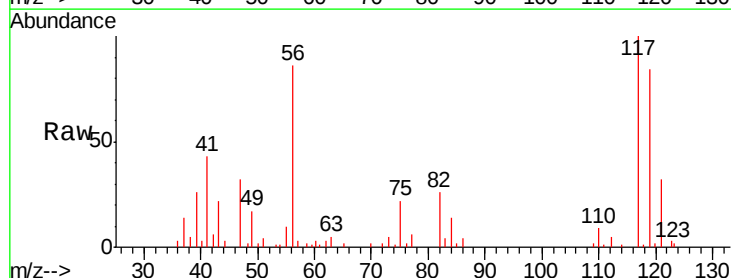
Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

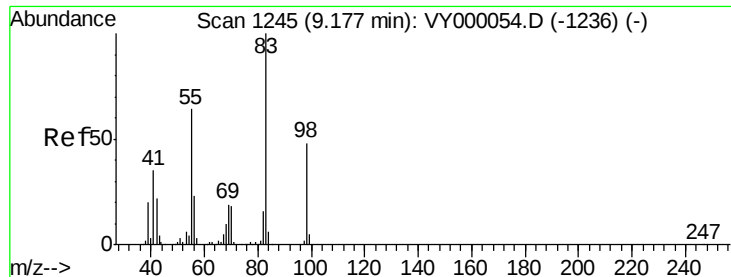
Tgt Ion: 43 Resp: 20805
Ion Ratio Lower Upper
43 100
61 19.0 14.1 21.1
70 12.6 10.6 15.8



#38
Carbon Tetrachloride
Concen: 20.697 ug/l
RT: 7.89 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion: 117 Resp: 29788
Ion Ratio Lower Upper
117 100
119 84.1 75.0 112.6
121 31.5 22.8 34.2

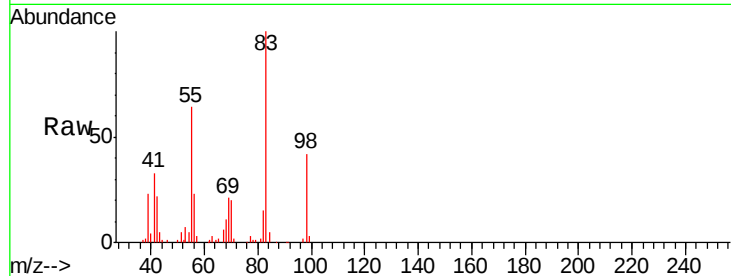




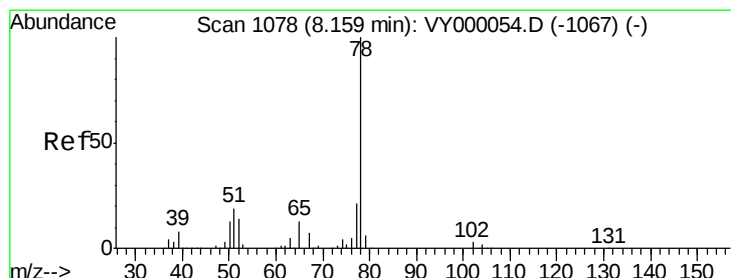
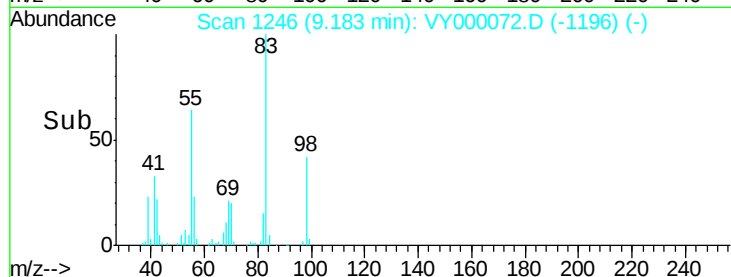
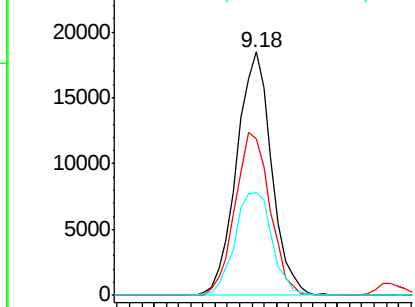
#39
Methylcyclohexane
Concen: 19.578 ug/l
RT: 9.18 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tgt Ion: 83 Resp: 36711
Ion Ratio Lower Upper
83 100
55 64.5 51.0 76.6
98 42.1 38.5 57.7

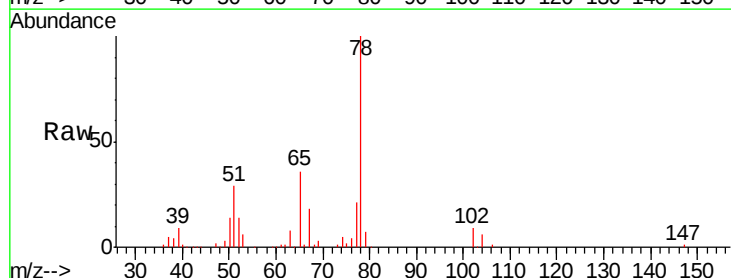


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

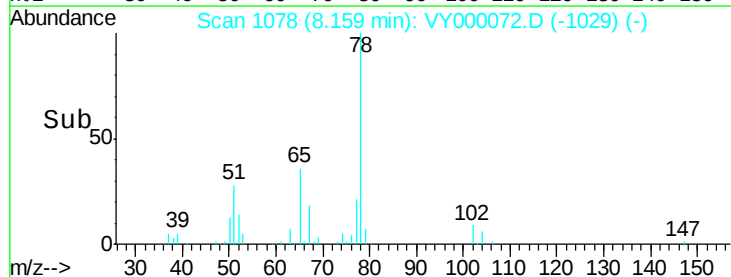
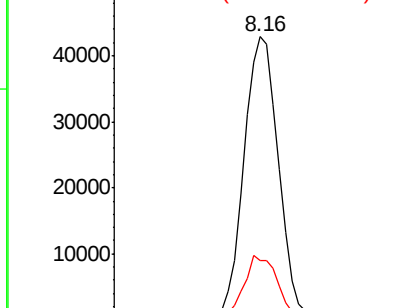


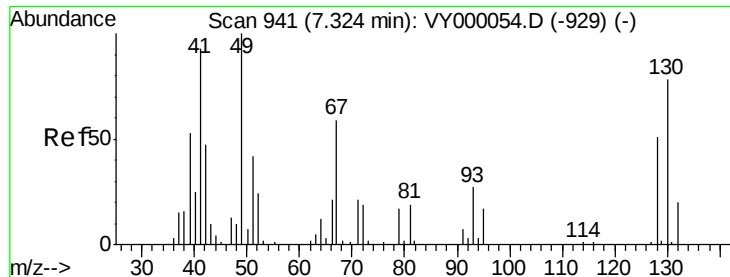
#40
Benzene
Concen: 19.499 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion: 78 Resp: 98209
Ion Ratio Lower Upper
78 100
77 21.1 16.8 25.2



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

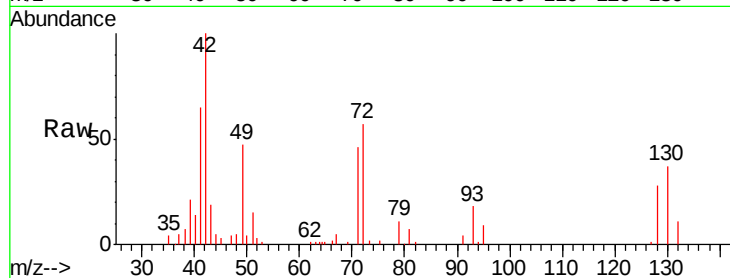




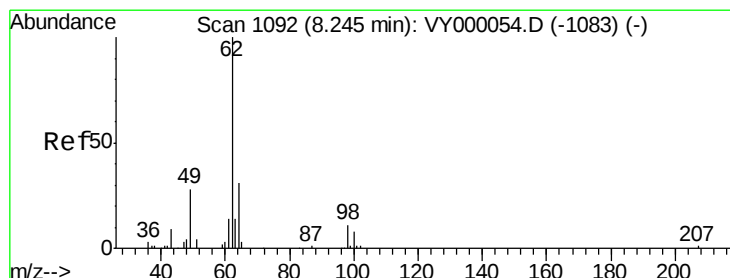
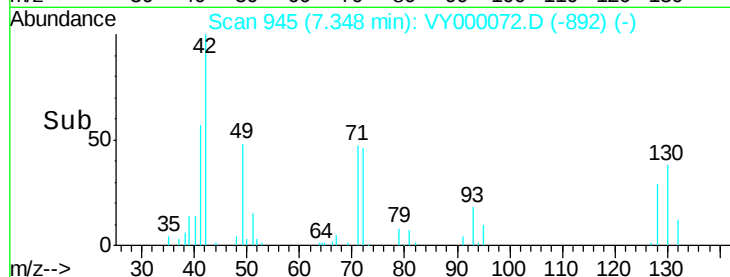
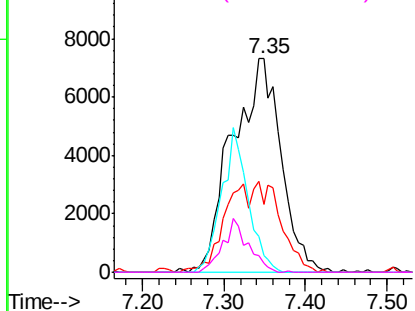
#41
Methacrylonitrile
Concen: 41.750 ug/l
RT: 7.35 min Scan# 945
Delta R.T. 0.02 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tgt Ion: 41 Resp: 30242
Ion Ratio Lower Upper
41 100
39 0.0 91.8 137.6#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

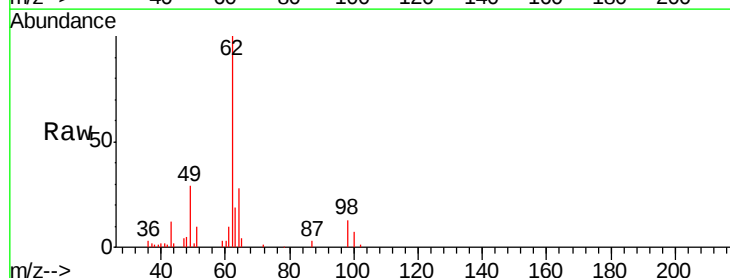


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

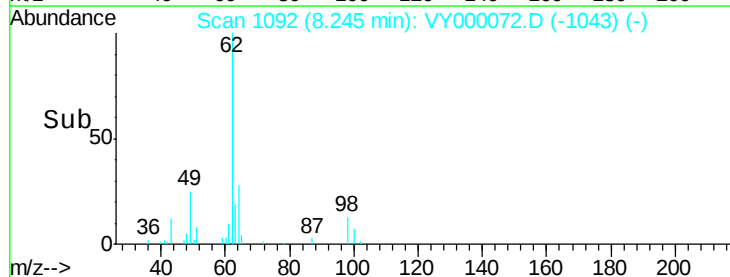
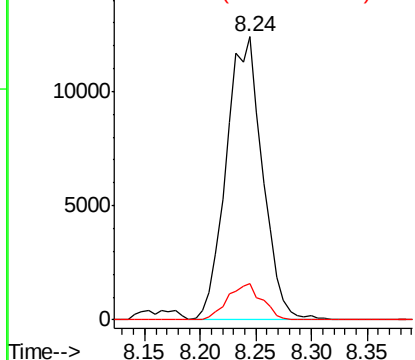


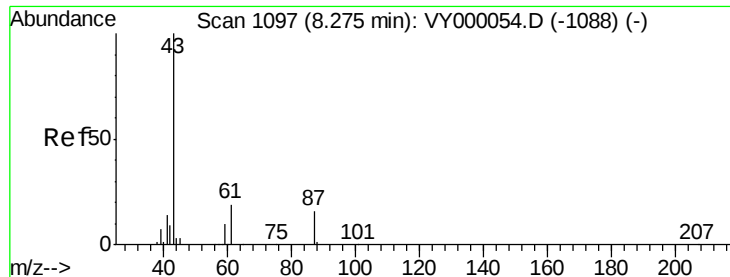
#42
1,2-Dichloroethane
Concen: 20.982 ug/l
RT: 8.24 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion: 62 Resp: 27993
Ion Ratio Lower Upper
62 100
98 12.0 0.0 23.6



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





#43

Isopropyl Acetate

Concen: 20.638 ug/l

RT: 8.27 min Scan# 1097

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

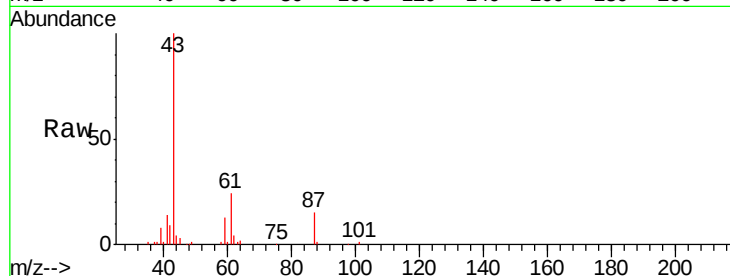
Tgt Ion: 43 Resp: 41027

Ion Ratio Lower Upper

43 100

61 29.5 25.0 37.6

87 15.7 12.4 18.6

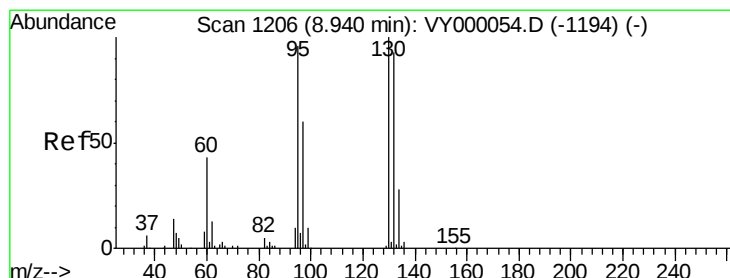
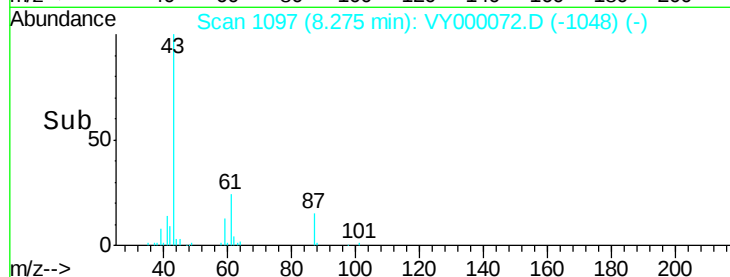


Abundance Ion 43.00 (42.70 to 43.70): VY000054.D (-1088) (-)

Ion 61.00 (60.70 to 61.70): VY000054.D (-1088) (-)

Ion 87.00 (86.70 to 87.70): VY000054.D (-1088) (-)

Time-->



#44

Trichloroethene

Concen: 19.599 ug/l

RT: 8.94 min Scan# 1206

Delta R.T. -0.00 min

Lab File: VY000072.D

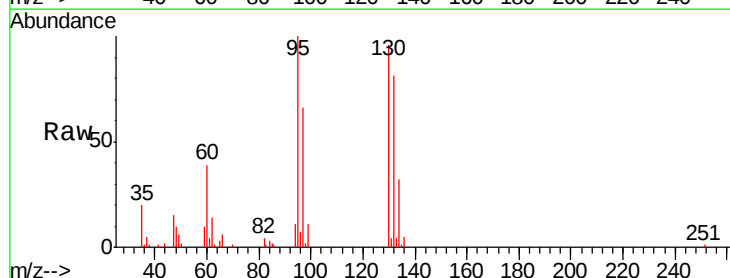
Acq: 19 Sep 2019 13:16

Tgt Ion: 130 Resp: 25218

Ion Ratio Lower Upper

130 100

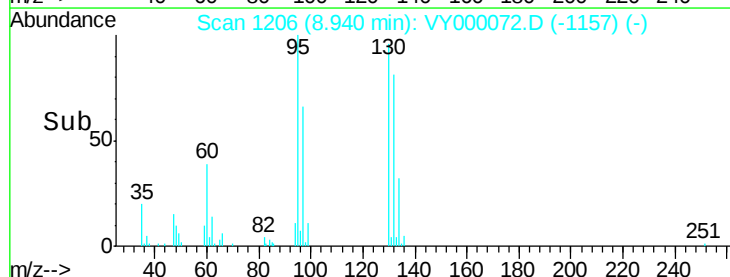
95 104.3 0.0 192.0

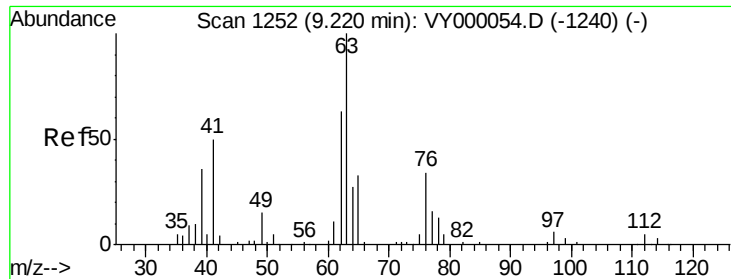


Abundance Ion 129.80 (129.50 to 130.50): VY000054.D (-1194) (-)

Ion 94.90 (94.60 to 95.60): VY000054.D (-1194) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 20.389 ug/l

RT: 9.21 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

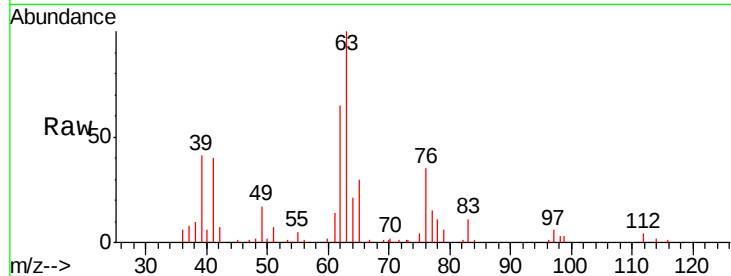
VY0919SBS01

Tgt Ion: 63 Resp: 26602

Ion Ratio Lower Upper

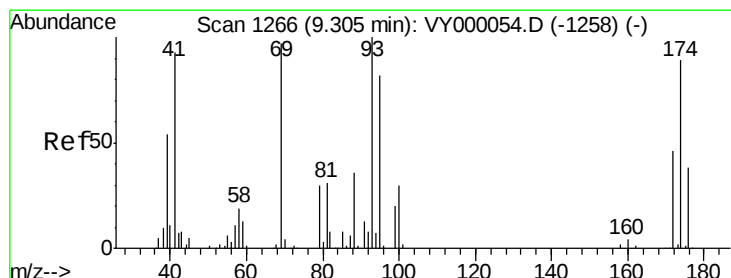
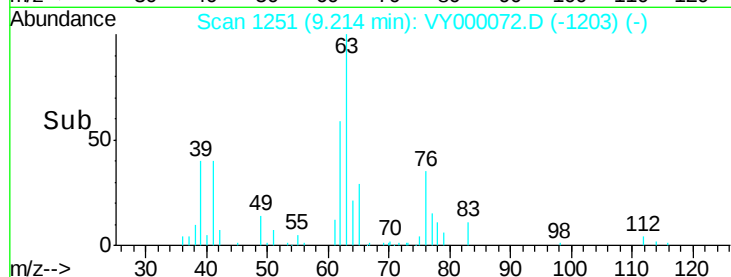
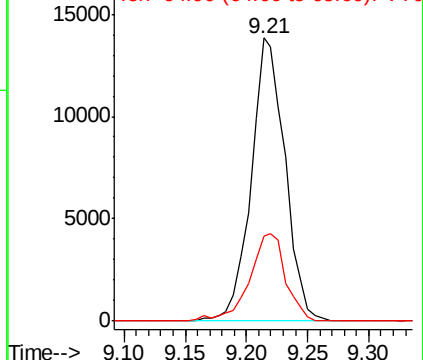
63 100

65 30.0 26.2 39.4



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 20.711 ug/l

RT: 9.31 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

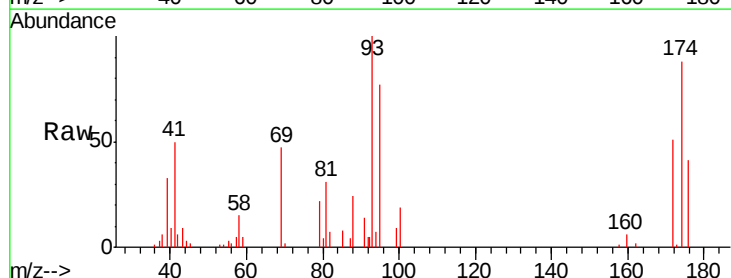
Tgt Ion: 93 Resp: 14760

Ion Ratio Lower Upper

93 100

95 84.5 68.1 102.1

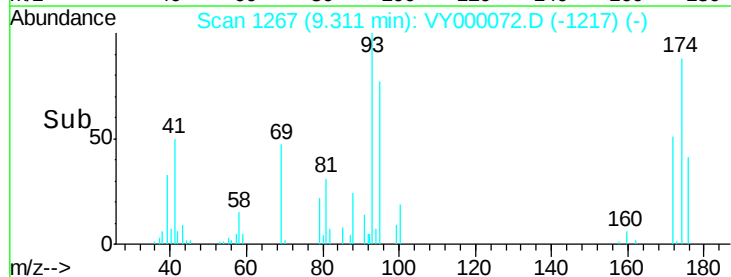
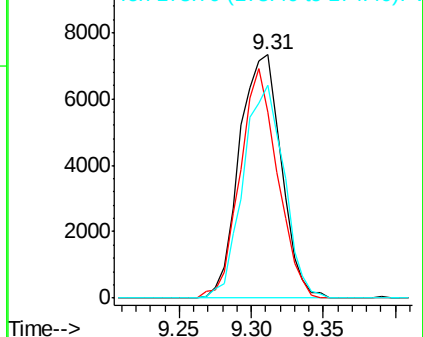
174 85.4 67.8 101.6

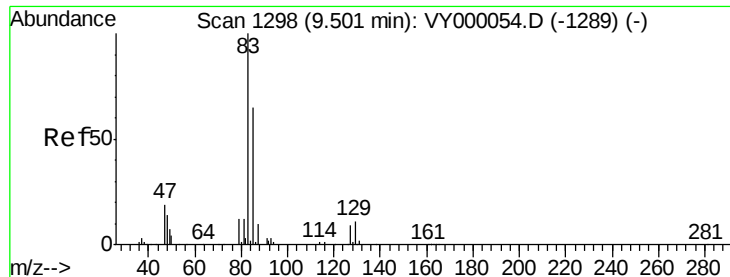


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): VY0





#47

Bromodichloromethane

Concen: 20.701 ug/l

RT: 9.50 min Scan# 1298

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

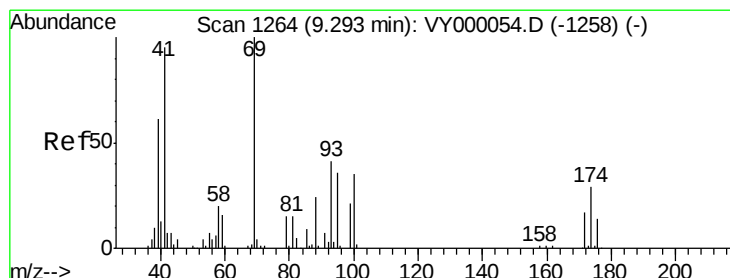
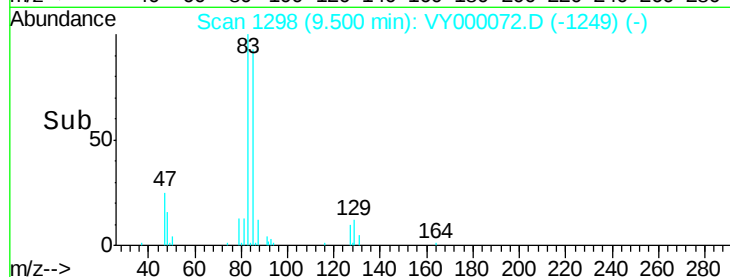
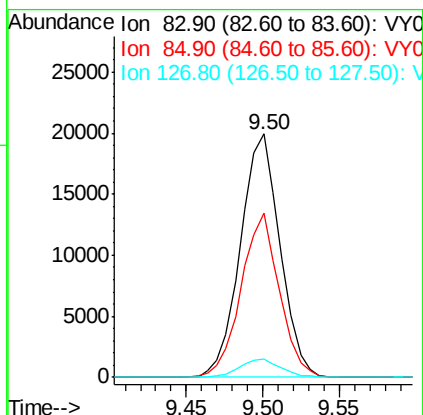
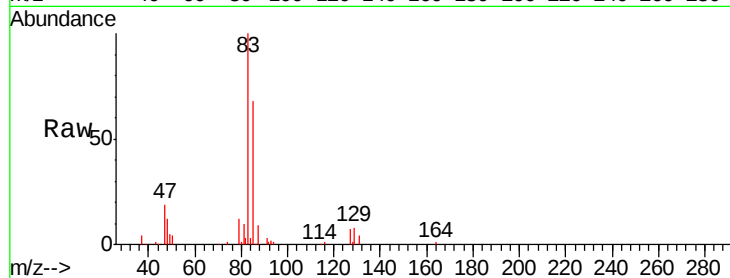
Tgt Ion: 83 Resp: 35800

Ion Ratio Lower Upper

83 100

85 67.6 52.3 78.5

127 7.4 6.8 10.2



#48

Methyl methacrylate

Concen: 20.512 ug/l

RT: 9.29 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

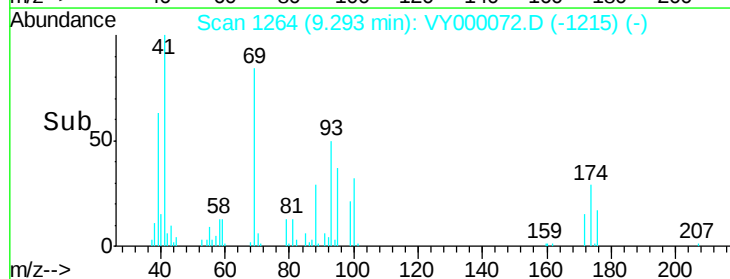
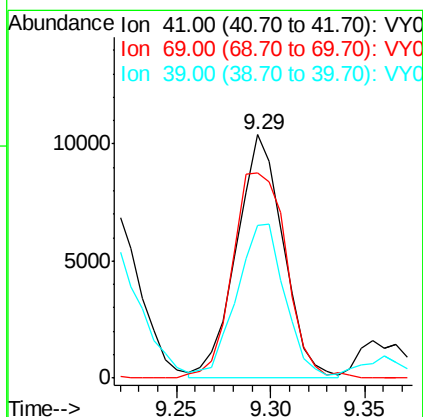
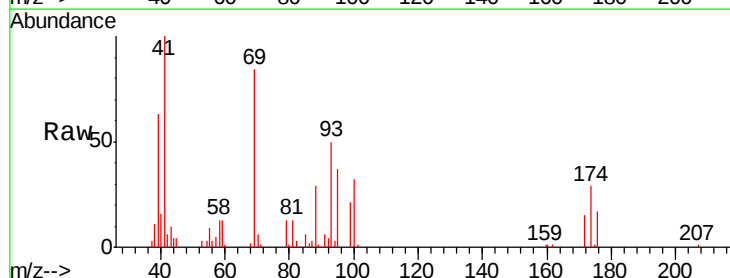
Tgt Ion: 41 Resp: 17933

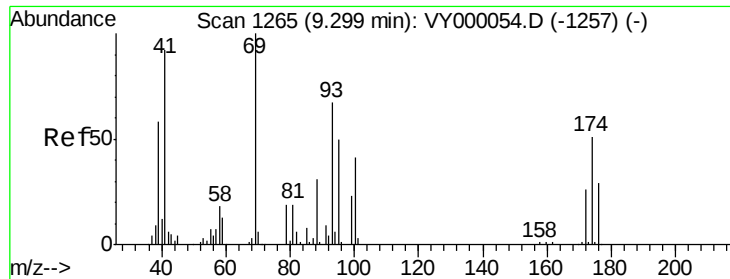
Ion Ratio Lower Upper

41 100

69 97.2 78.1 117.1

39 65.2 49.4 74.0

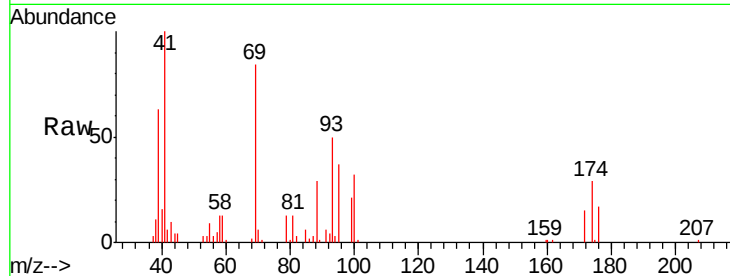




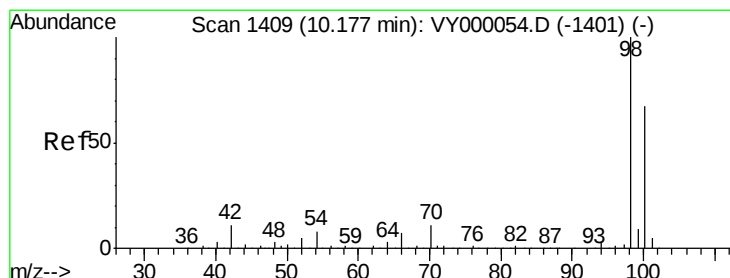
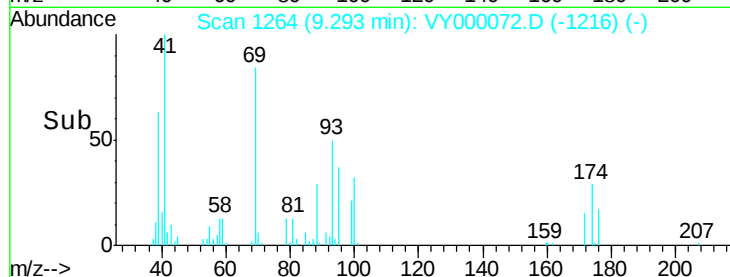
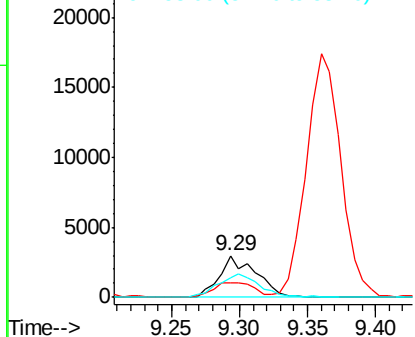
#49
1,4-Dioxane
Concen: 399.517 ug/l
RT: 9.29 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tgt Ion: 88 Resp: 5528
Ion Ratio Lower Upper
88 100
43 38.0 18.7 28.1#
58 65.4 53.0 79.6

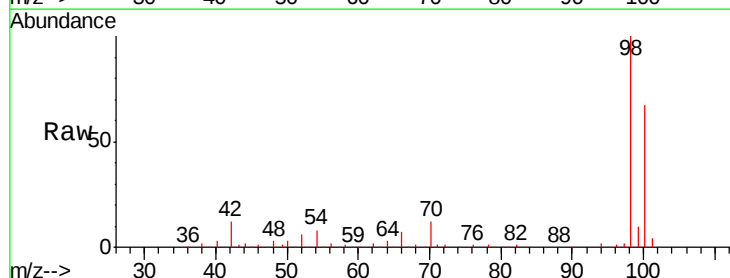


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

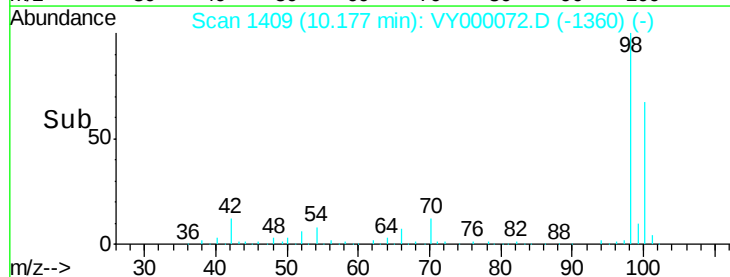
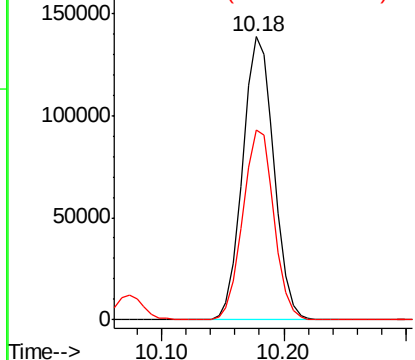


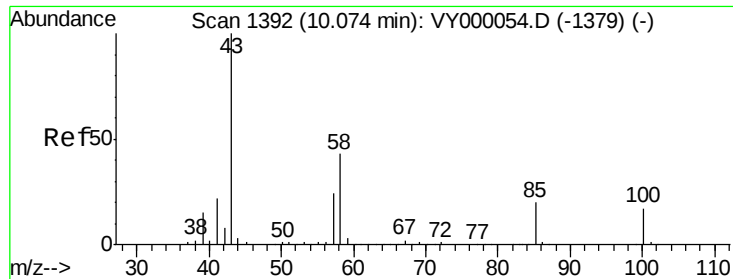
#50
Toluene-d8
Concen: 50.485 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion: 98 Resp: 244855
Ion Ratio Lower Upper
98 100
100 66.9 53.1 79.7



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: 102.222 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

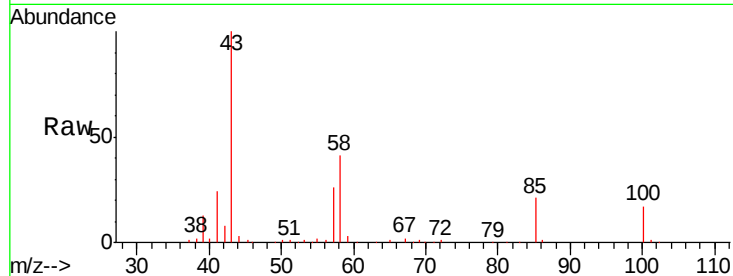
VY0919SBS01

Tgt Ion: 43 Resp: 110952

Ion Ratio Lower Upper

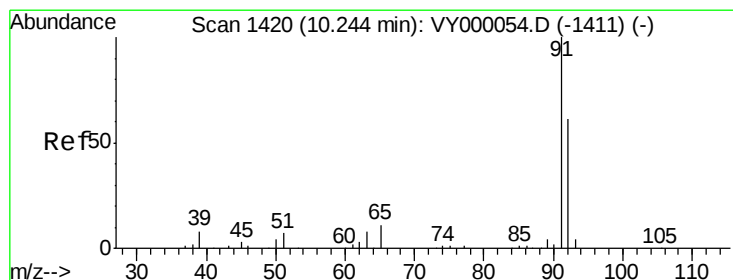
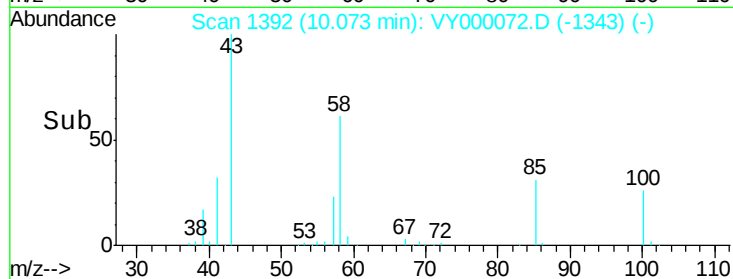
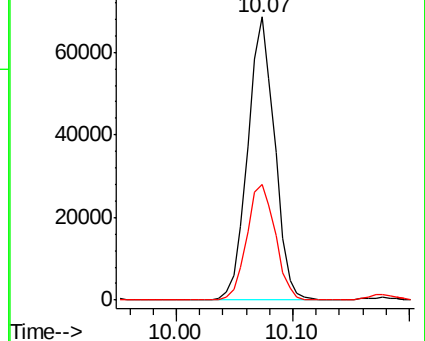
43 100

58 43.5 34.2 51.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 20.162 ug/l

RT: 10.24 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VY000072.D

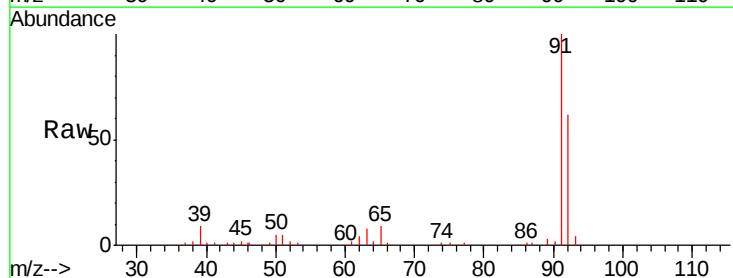
Acq: 19 Sep 2019 13:16

Tgt Ion: 92 Resp: 64519

Ion Ratio Lower Upper

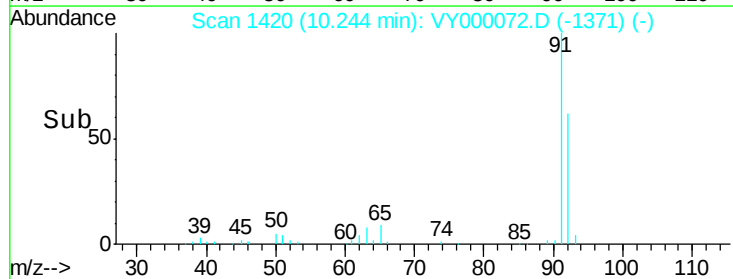
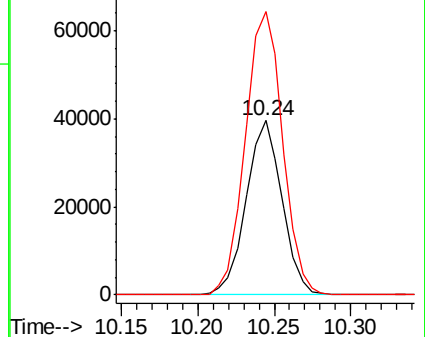
92 100

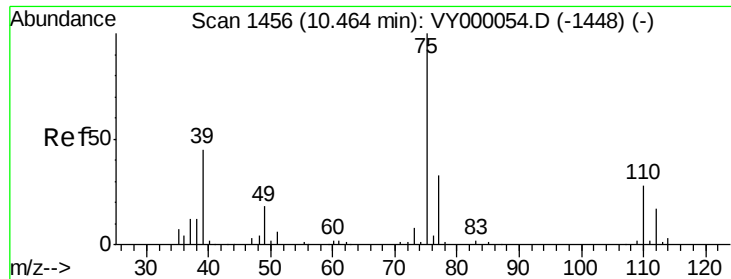
91 169.2 135.8 203.6



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





#53

t-1,3-Dichloropropene

Concen: 20.133 ug/l

RT: 10.47 min Scan# 1457

Delta R.T. 0.01 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

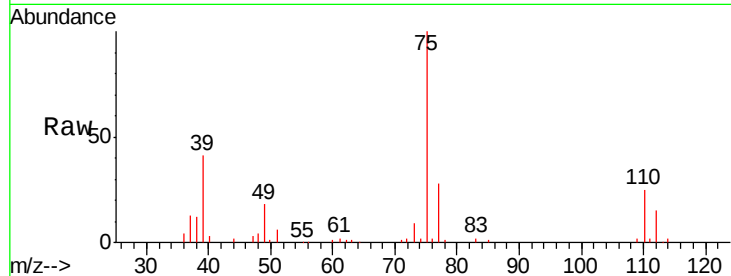
VY0919SBS01

Tgt Ion: 75 Resp: 36916

Ion Ratio Lower Upper

75 100

77 28.4 26.2 39.2



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

25000

20000

15000

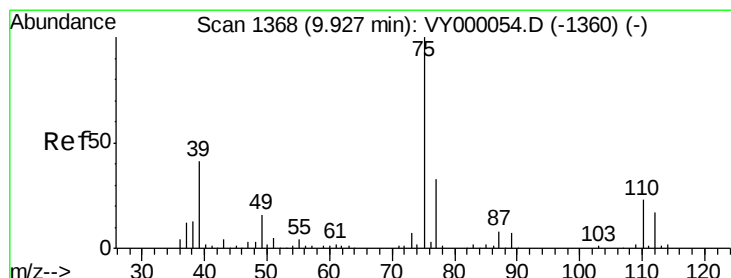
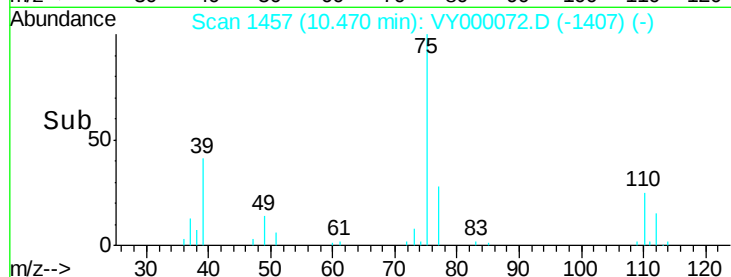
10000

5000

0

10.40 10.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.586 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

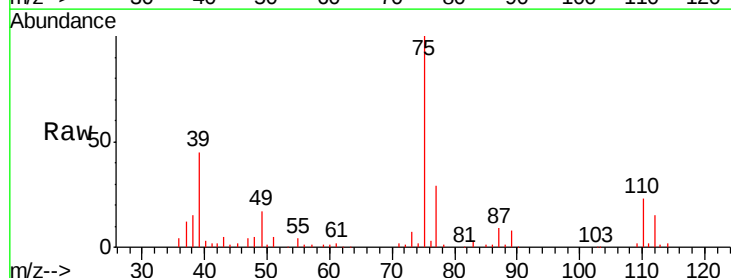
Tgt Ion: 75 Resp: 41472

Ion Ratio Lower Upper

75 100

77 29.1 26.1 39.1

39 45.2 33.1 49.7



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

30000

25000

20000

15000

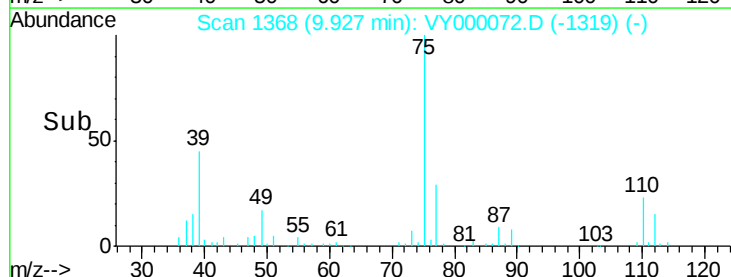
10000

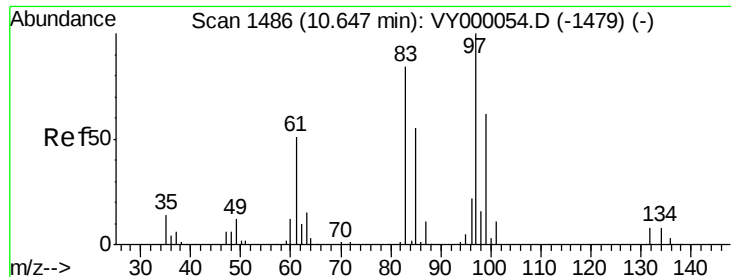
5000

0

9.85 9.90 9.95 10.00

Time-->





#55

1,1,2-Trichloroethane

Concen: 21.102 ug/l

RT: 10.65 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

Tgt Ion: 97 Resp: 23577

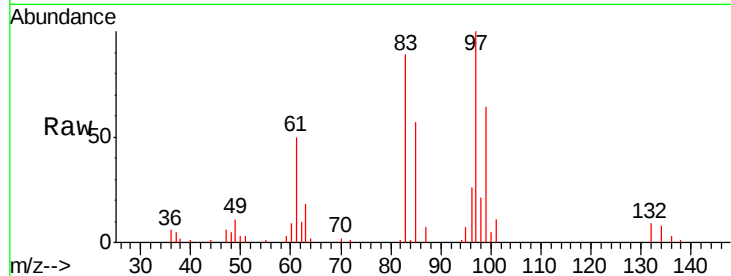
Ion Ratio Lower Upper

97 100

83 89.1 67.3 100.9

85 57.5 43.6 65.4

99 64.3 49.8 74.6

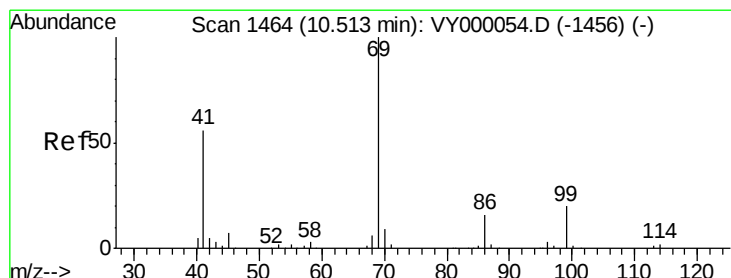
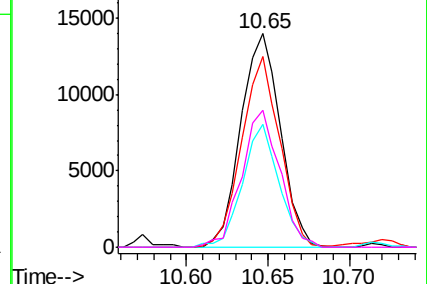
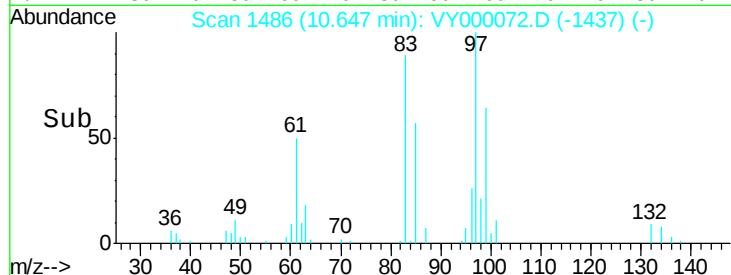


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 20.792 ug/l

RT: 10.51 min Scan# 1464

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

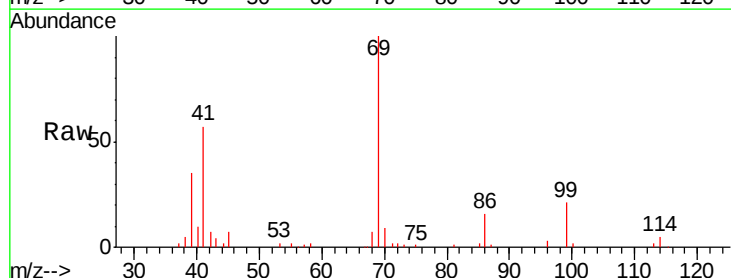
Tgt Ion: 69 Resp: 33057

Ion Ratio Lower Upper

69 100

41 55.2 45.6 68.4

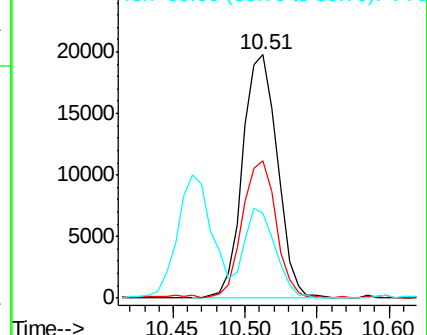
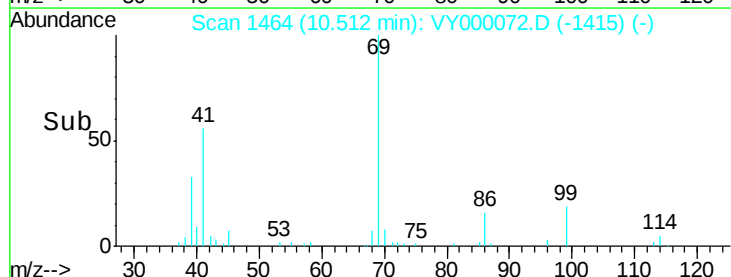
39 33.4 27.3 40.9

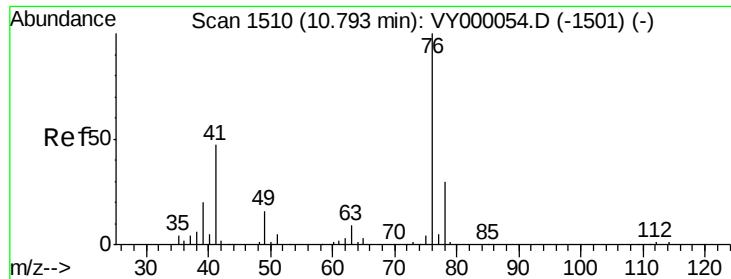


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

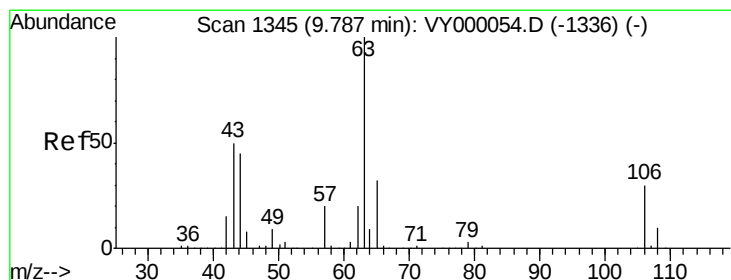
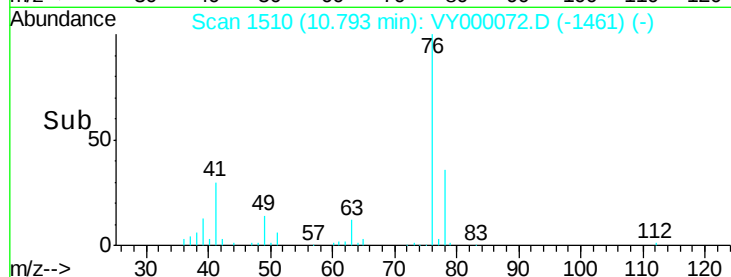
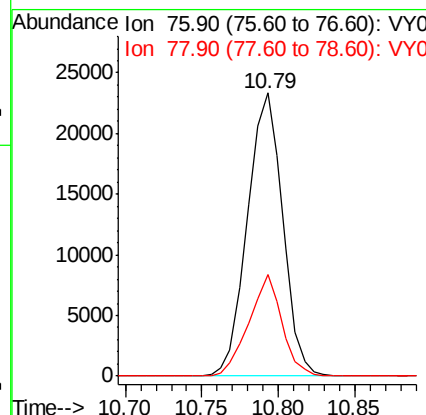
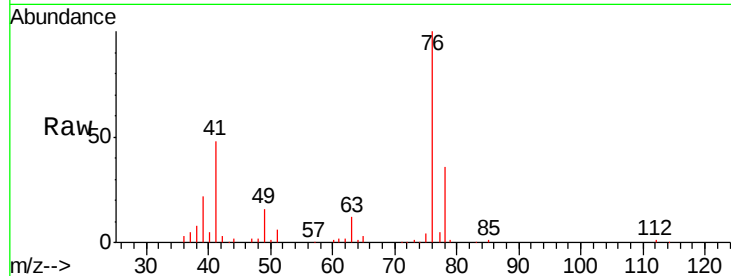




#57
 1,3-Dichloropropane
 Concen: 19.980 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

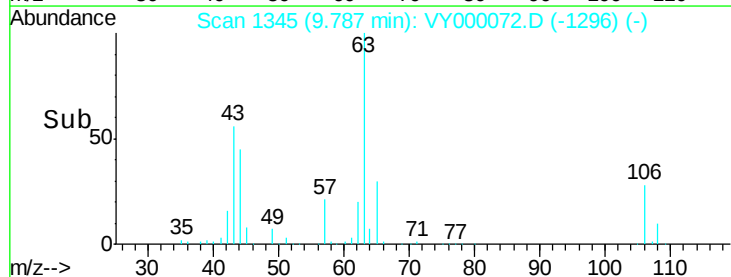
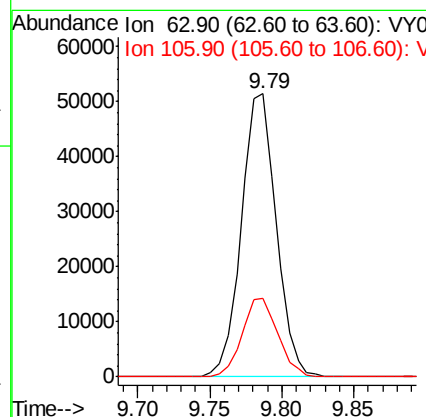
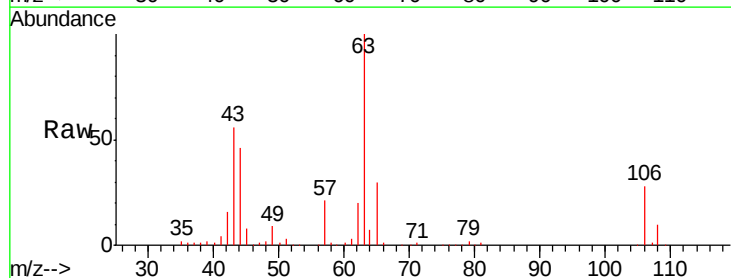
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

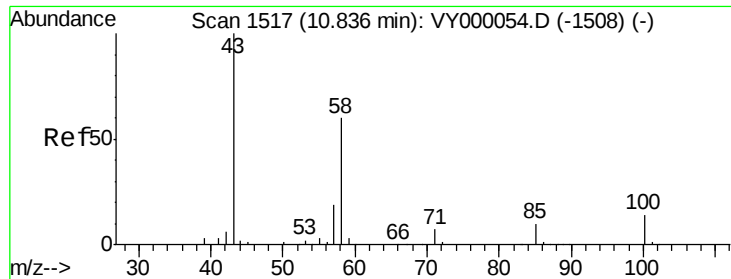
Tgt Ion: 76 Resp: 37499
 Ion Ratio Lower Upper
 76 100
 78 33.6 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.433 ug/l
 RT: 9.79 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

Tgt Ion: 63 Resp: 86317
 Ion Ratio Lower Upper
 63 100
 106 28.4 23.3 34.9

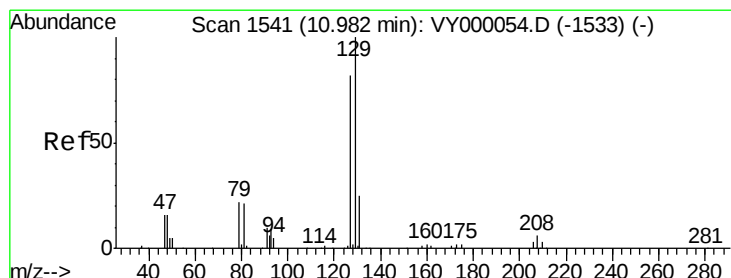
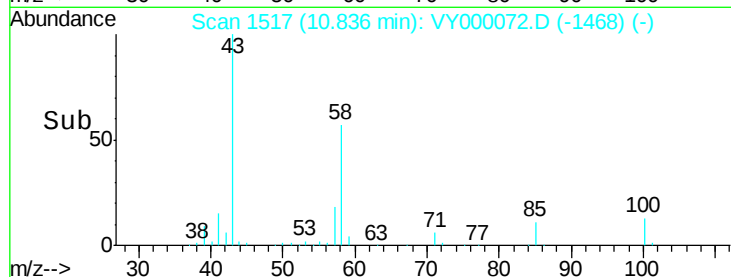
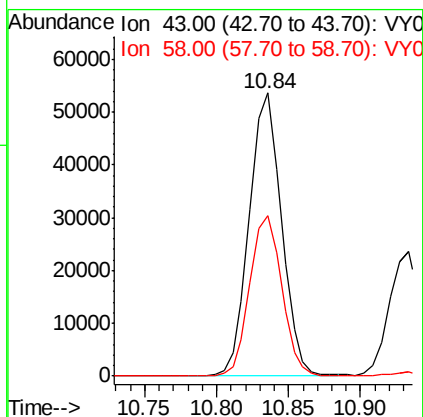
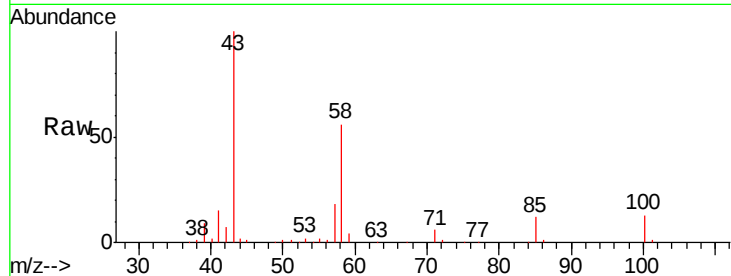




#59
2-Hexanone
Concen: 107.647 ug/l
RT: 10.84 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

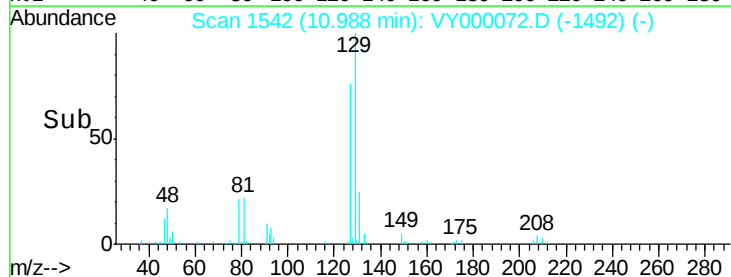
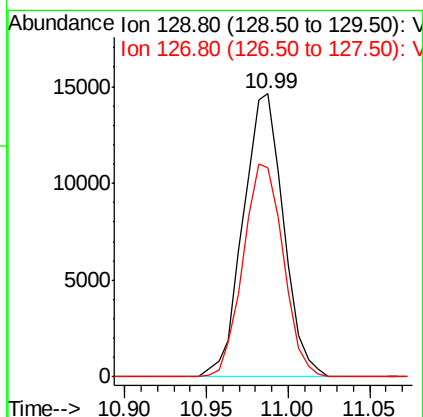
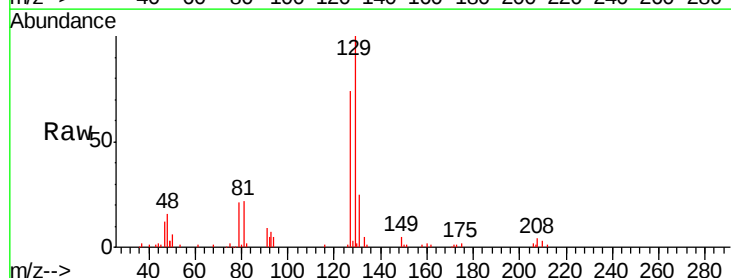
Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

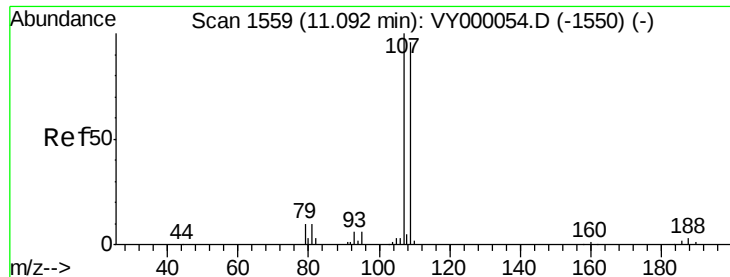
Tgt Ion: 43 Resp: 83355
Ion Ratio Lower Upper
43 100
58 56.3 29.9 89.7



#60
Dibromochloromethane
Concen: 21.482 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion: 129 Resp: 25145
Ion Ratio Lower Upper
129 100
127 75.0 40.2 120.6

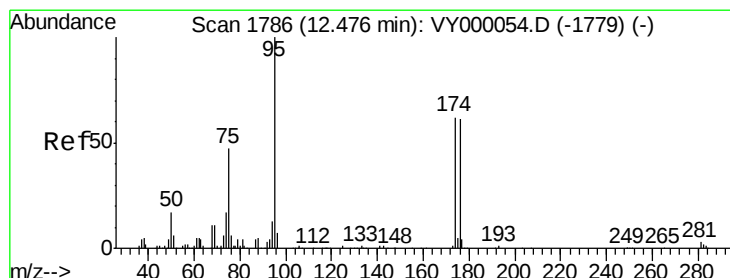
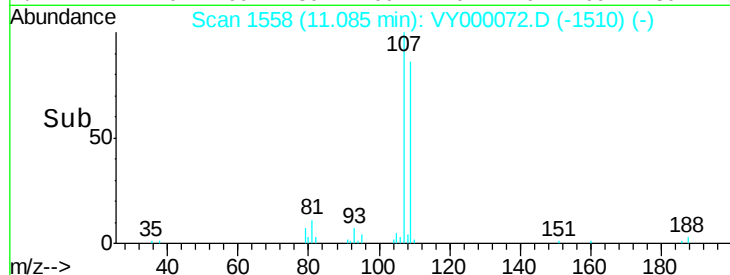
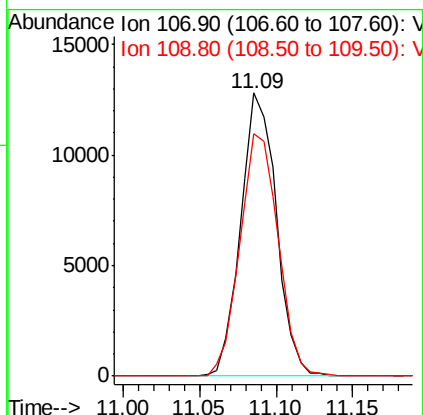
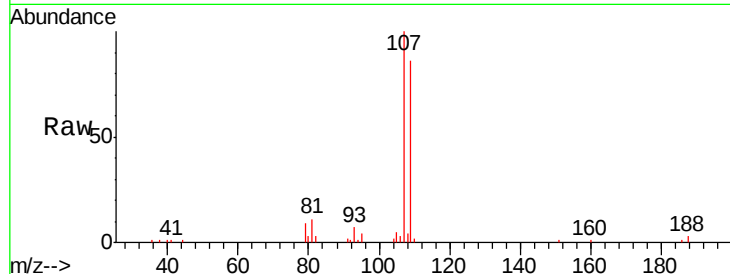




#61
 1,2-Dibromoethane
 Concen: 20.262 ug/l
 RT: 11.09 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

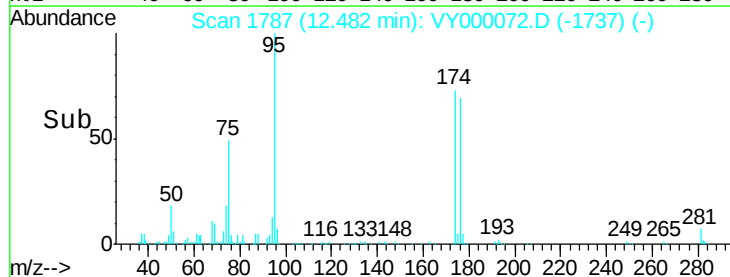
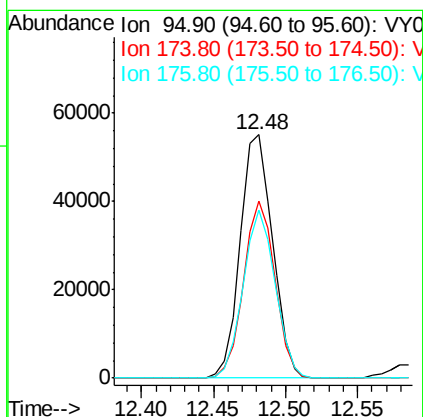
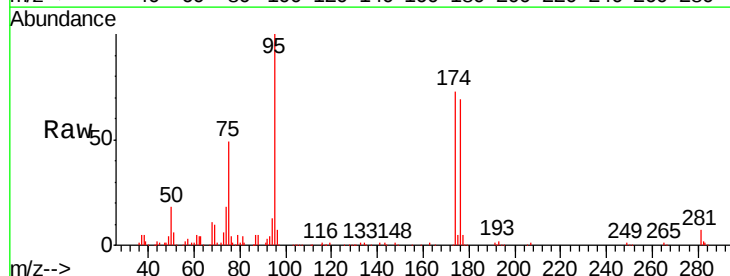
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

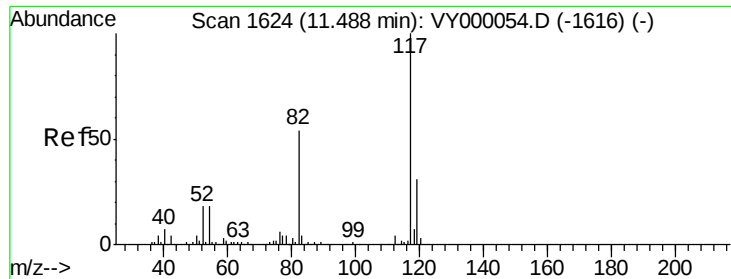
Tgt Ion: 107 Resp: 20678
 Ion Ratio Lower Upper
 107 100
 109 92.0 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 47.672 ug/l
 RT: 12.48 min Scan# 1787
 Delta R.T. 0.01 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

Tgt Ion: 95 Resp: 85843
 Ion Ratio Lower Upper
 95 100
 174 70.5 0.0 137.2
 176 68.1 0.0 135.0

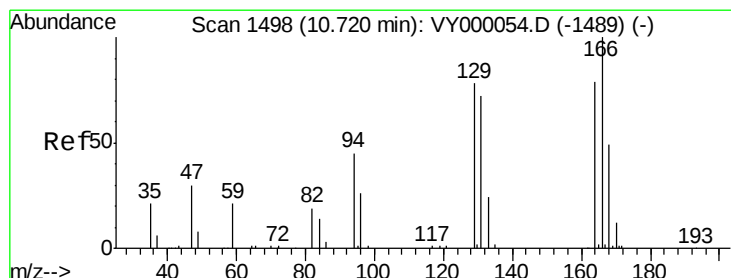
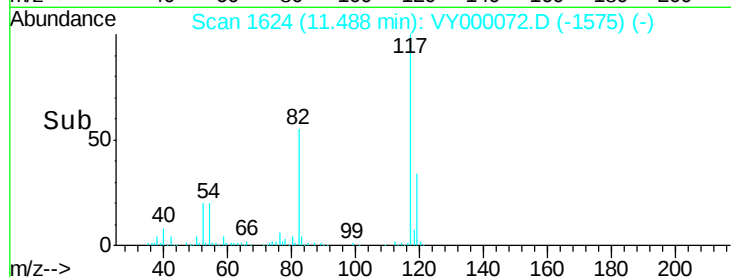
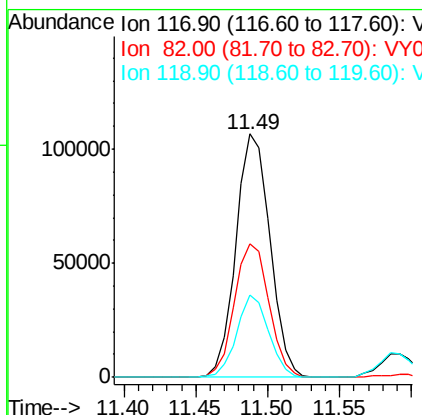
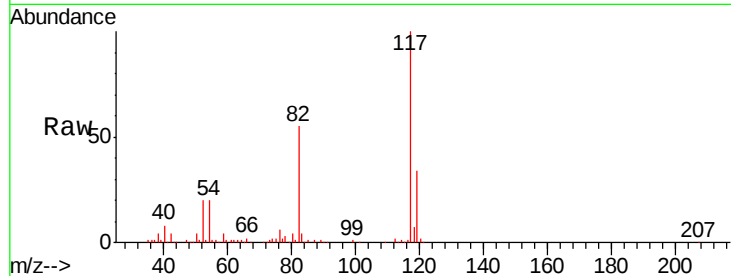




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

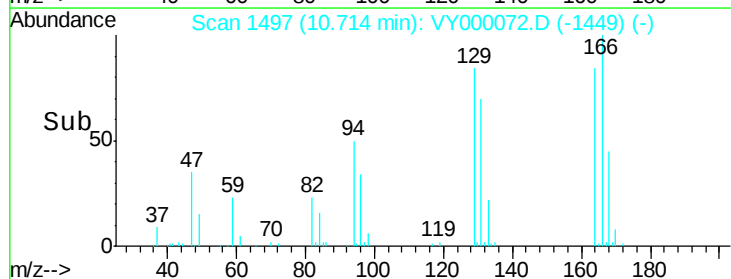
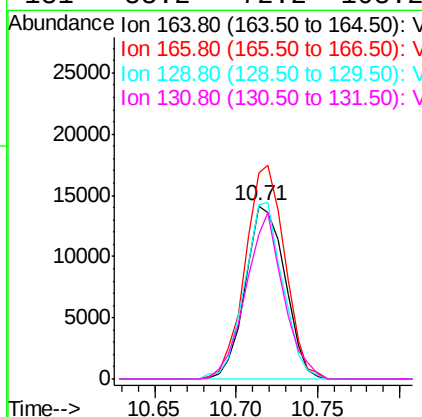
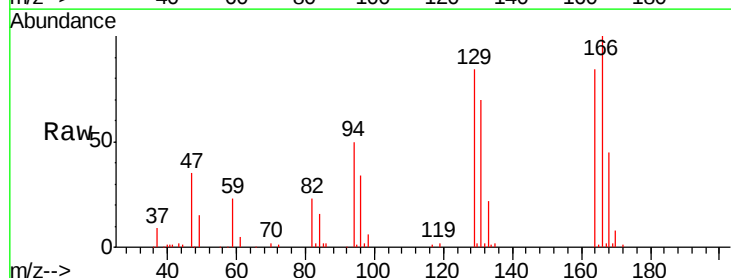
Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

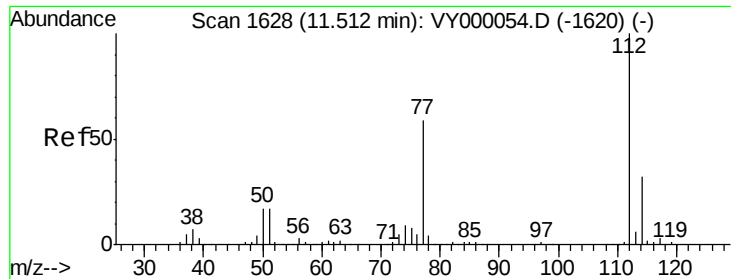
Tgt Ion:117 Resp: 175881
Ion Ratio Lower Upper
117 100
82 55.0 43.5 65.3
119 34.1 24.6 36.8



#64
Tetrachloroethene
Concen: 21.639 ug/l
RT: 10.71 min Scan# 1497
Delta R.T. -0.01 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion:164 Resp: 23887
Ion Ratio Lower Upper
164 100
166 119.2 100.9 151.3
129 100.7 78.4 117.6
131 83.2 72.2 108.2

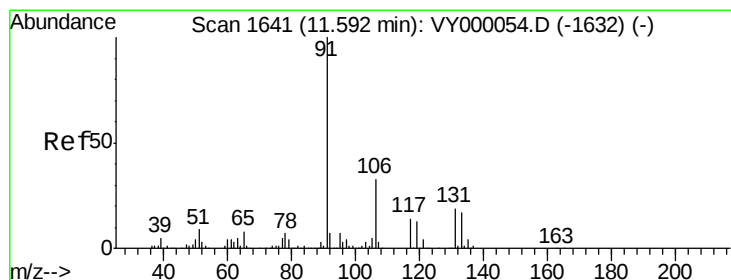
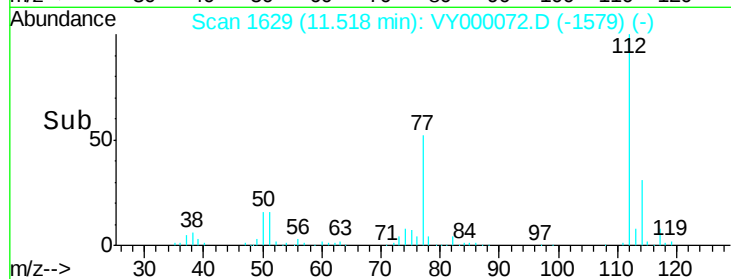
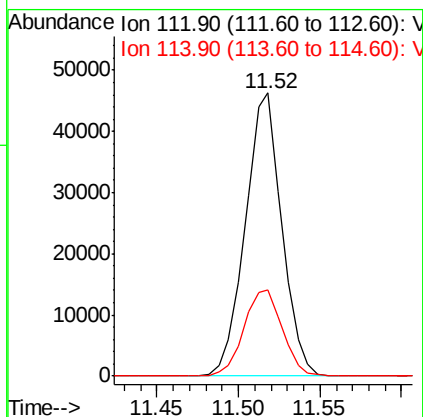
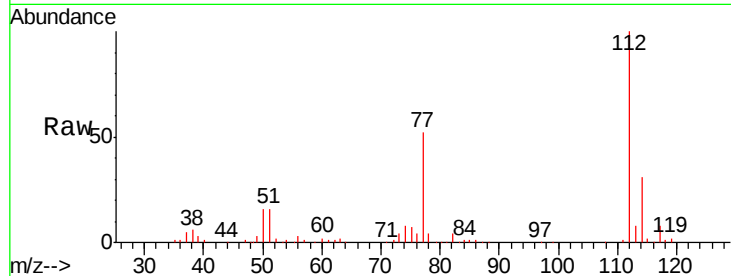




#65
Chlorobenzene
Concen: 20.742 ug/l
RT: 11.52 min Scan# 1629
Delta R.T. 0.01 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

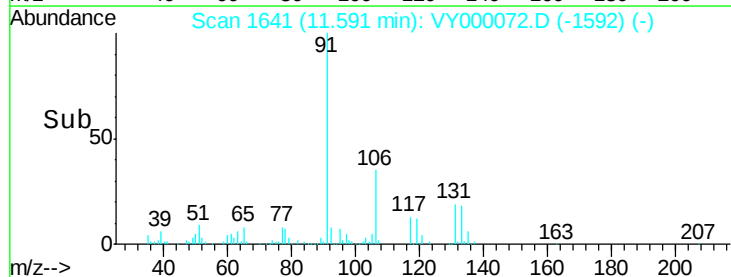
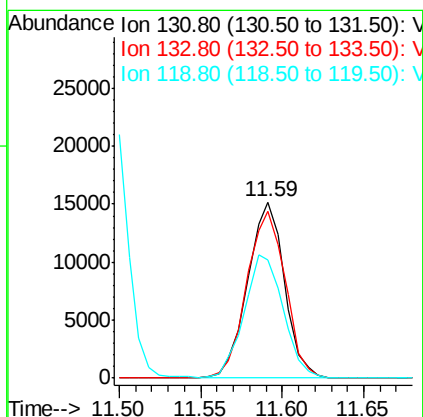
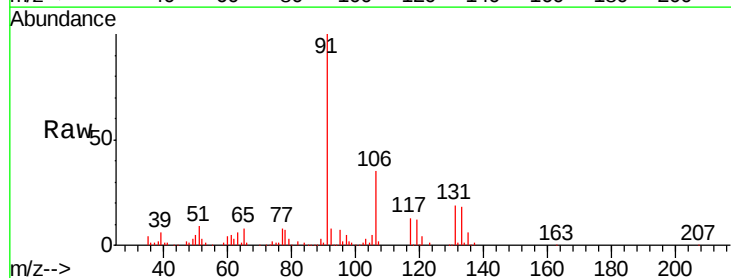
Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

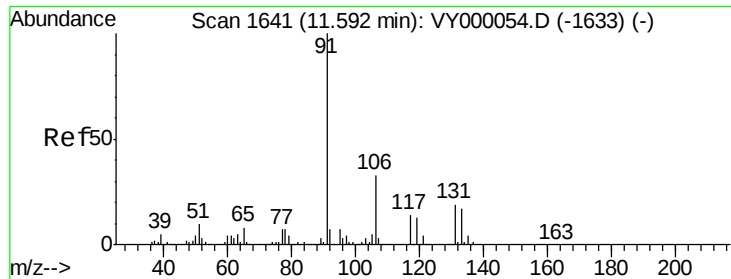
Tgt Ion:112 Resp: 72161
Ion Ratio Lower Upper
112 100
114 30.6 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.238 ug/l
RT: 11.59 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion:131 Resp: 23806
Ion Ratio Lower Upper
131 100
133 99.4 46.6 139.8
119 74.1 36.2 108.6

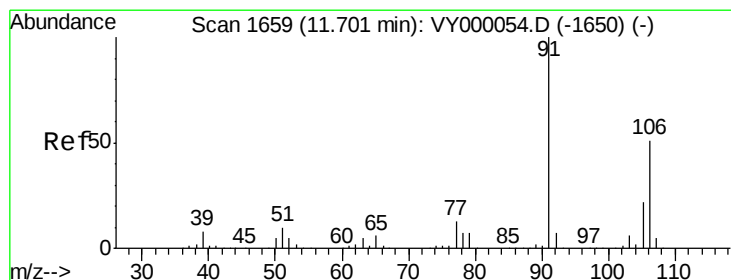
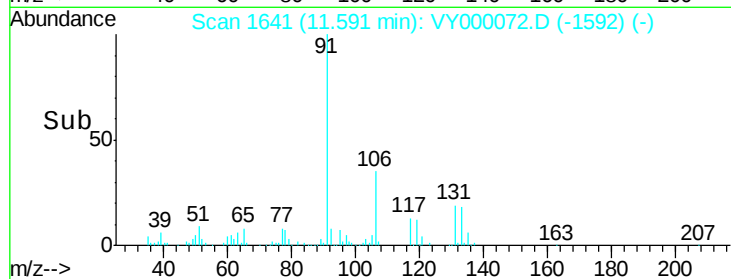
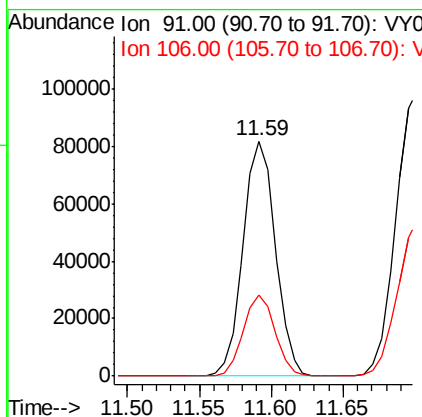
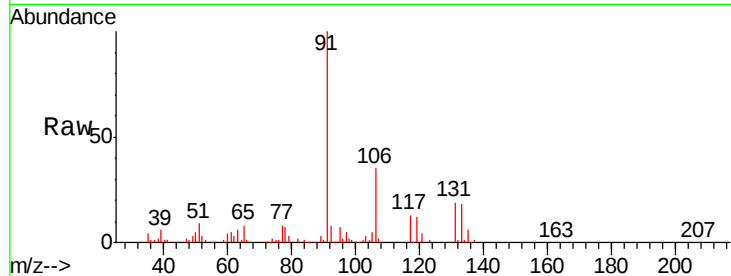




#67
Ethyl Benzene
Concen: 20.480 ug/l
RT: 11.59 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

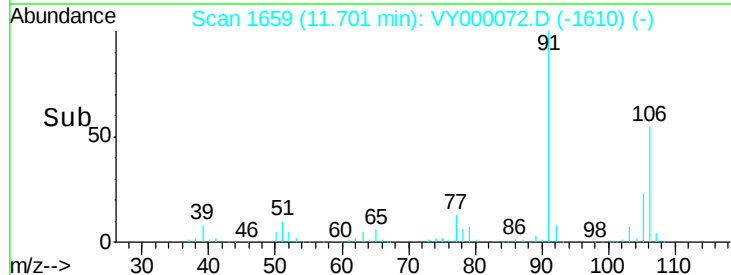
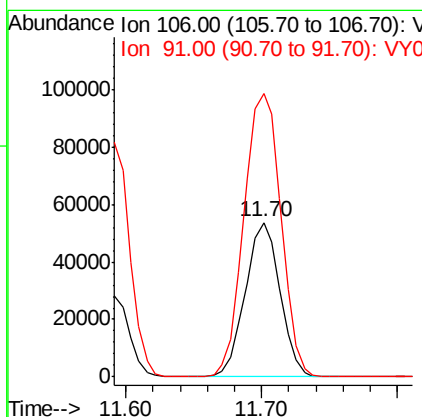
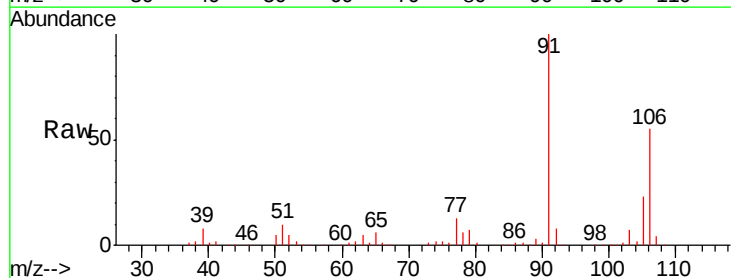
Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

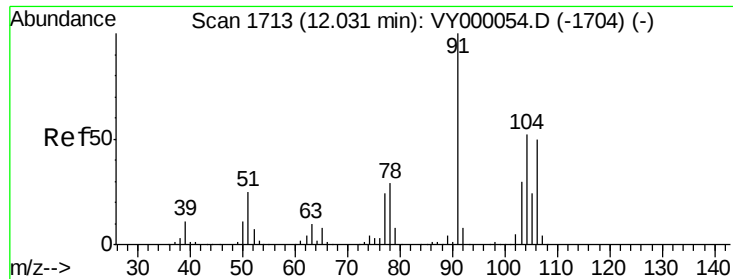
Tgt Ion: 91 Resp: 127153
Ion Ratio Lower Upper
91 100
106 34.7 26.6 40.0



#68
m/p-Xylenes
Concen: 40.740 ug/l
RT: 11.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion: 106 Resp: 96246
Ion Ratio Lower Upper
106 100
91 195.6 154.5 231.7

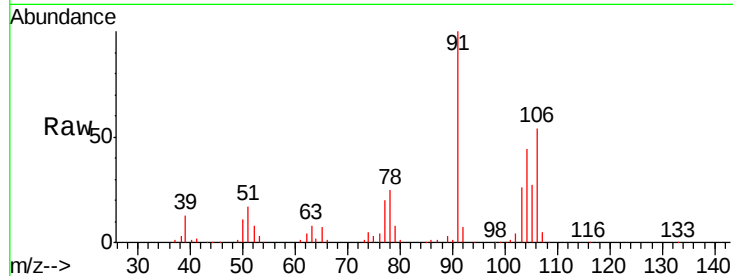




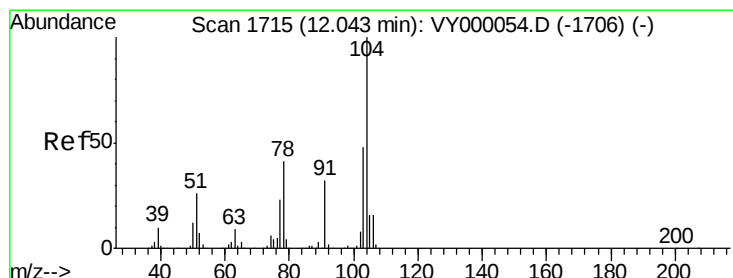
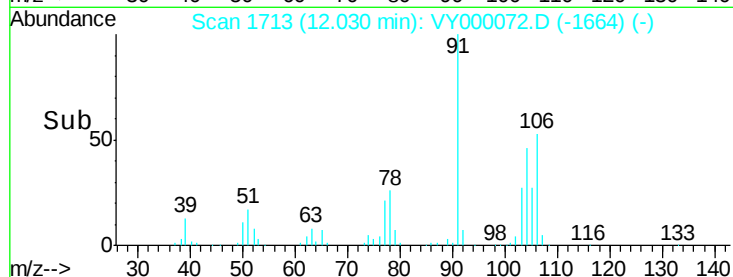
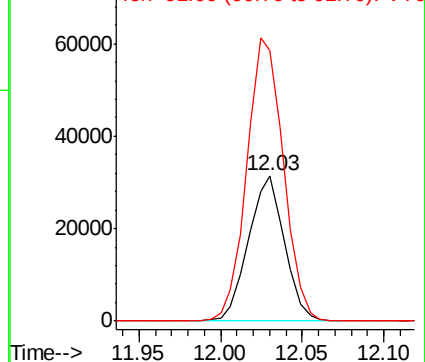
#69
o-Xylene
Concen: 21.033 ug/l
RT: 12.03 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tgt Ion:106 Resp: 48114
Ion Ratio Lower Upper
106 100
91 199.1 103.5 310.3

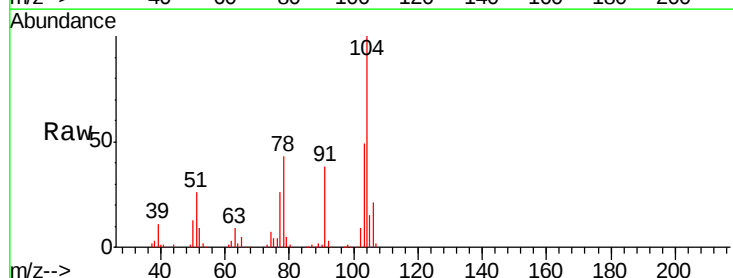


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

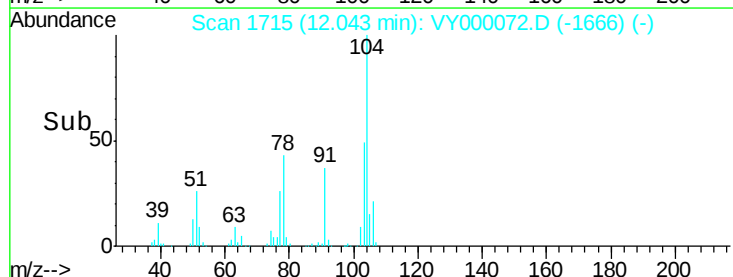
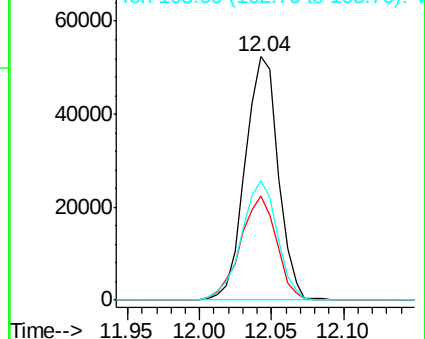


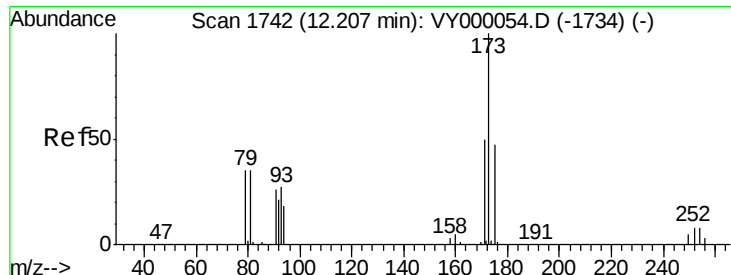
#70
Styrene
Concen: 20.649 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion:104 Resp: 82922
Ion Ratio Lower Upper
104 100
78 46.8 37.7 56.5
103 53.2 42.2 63.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V

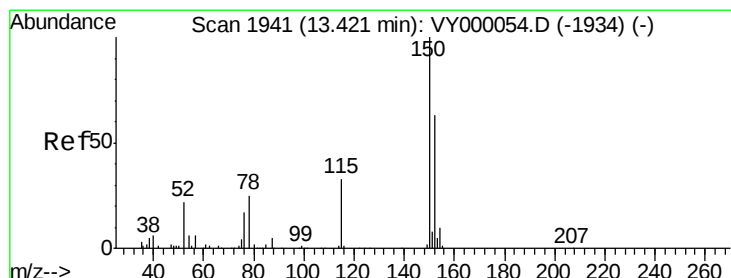
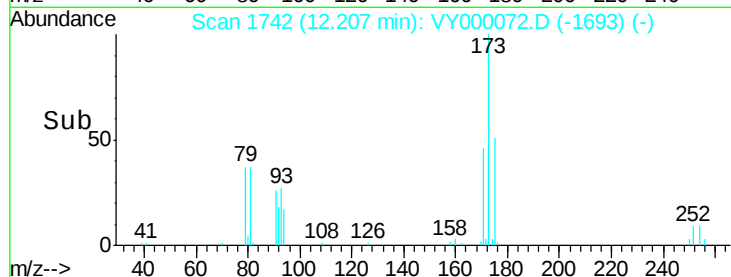
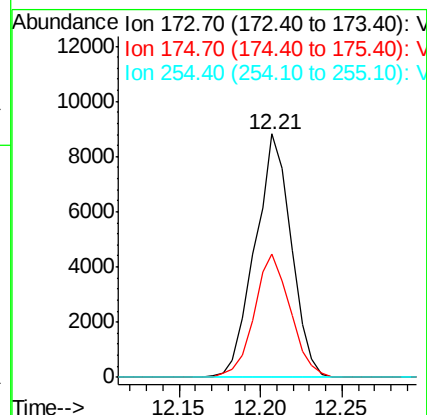
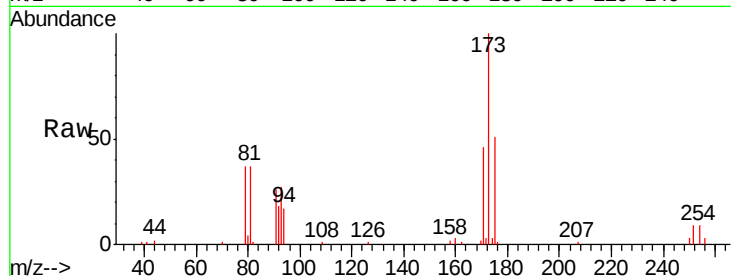




#71
Bromoform
Concen: 19.996 ug/l
RT: 12.21 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

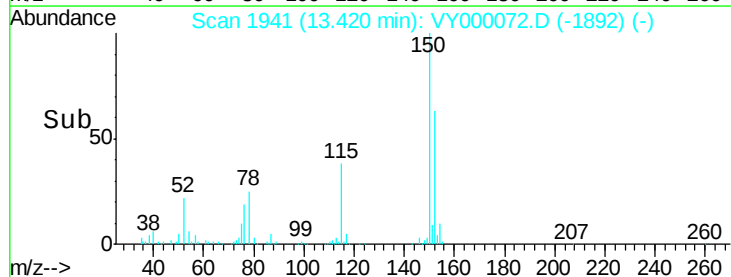
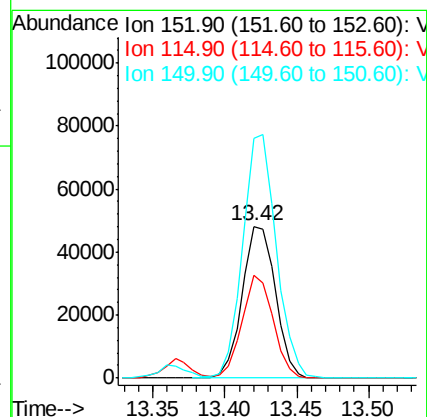
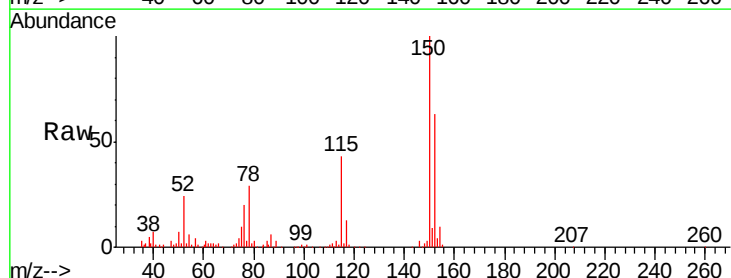
Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

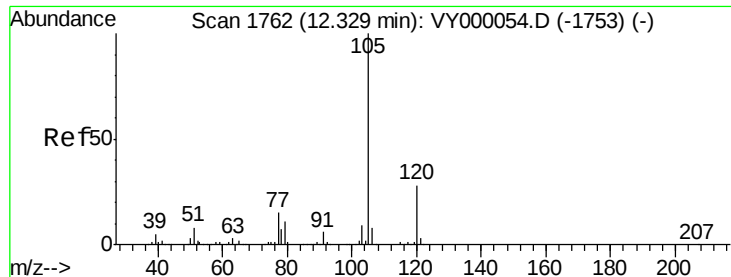
Tgt Ion:173 Resp: 13617
Ion Ratio Lower Upper
173 100
175 50.8 23.6 71.0
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion:152 Resp: 77097
Ion Ratio Lower Upper
152 100
115 63.7 30.7 92.1
150 161.6 0.0 351.6





#73

Isopropylbenzene

Concen: 20.495 ug/l

RT: 12.33 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

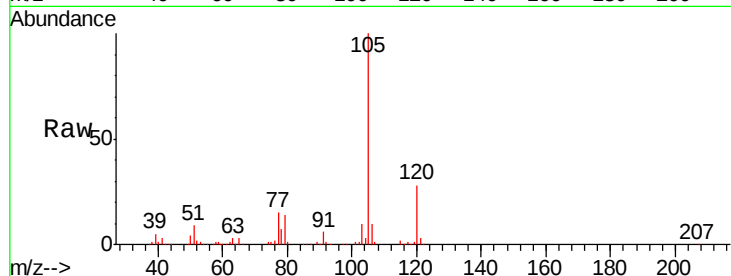
VY0919SBS01

Tgt Ion: 105 Resp: 127338

Ion Ratio Lower Upper

105 100

120 27.2 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

80000

60000

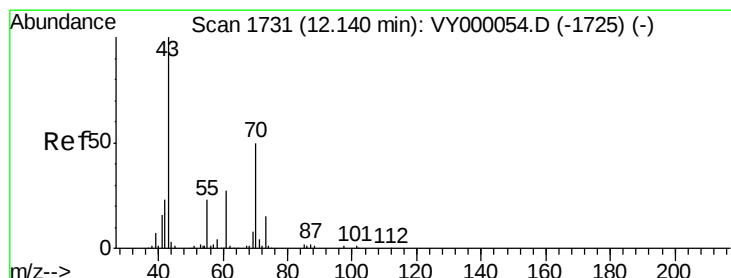
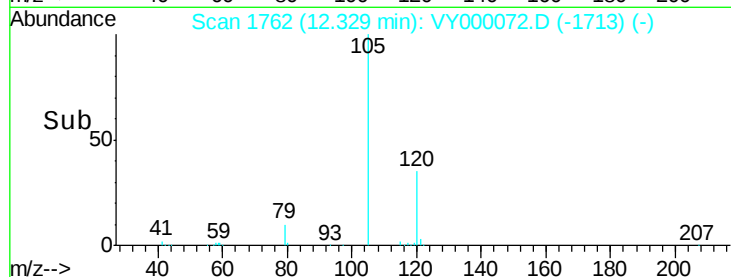
40000

20000

0

Time-->

12.25 12.30 12.35 12.40



#74

N-ethyl acetate

Concen: 20.685 ug/l

RT: 12.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Tgt Ion: 43 Resp: 36614

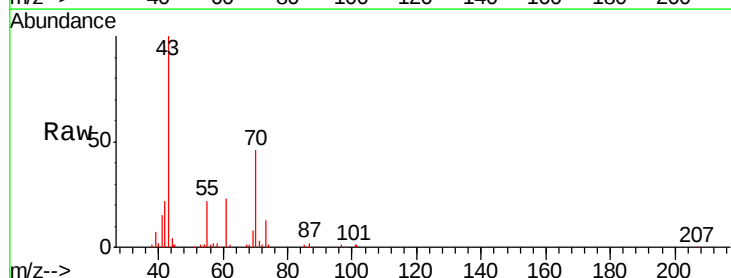
Ion Ratio Lower Upper

43 100

70 44.5 38.8 58.2

55 22.4 18.8 28.2

61 25.9 21.4 32.2



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

40000

30000

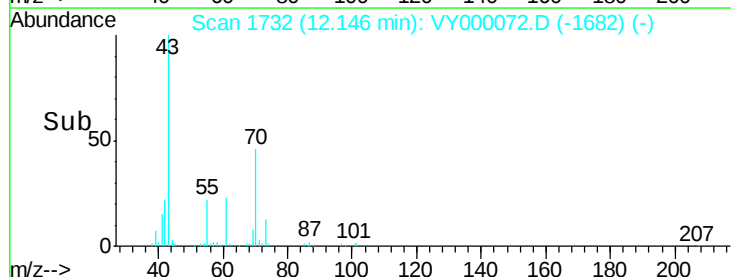
20000

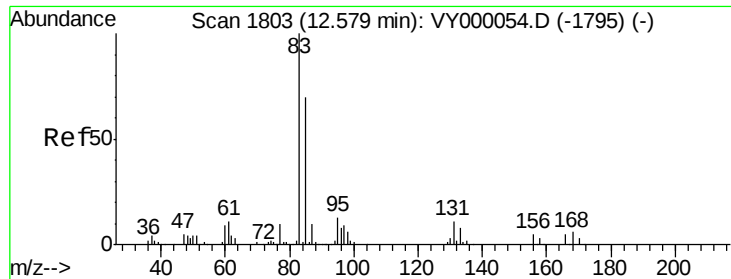
10000

0

Time-->

12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 20.460 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

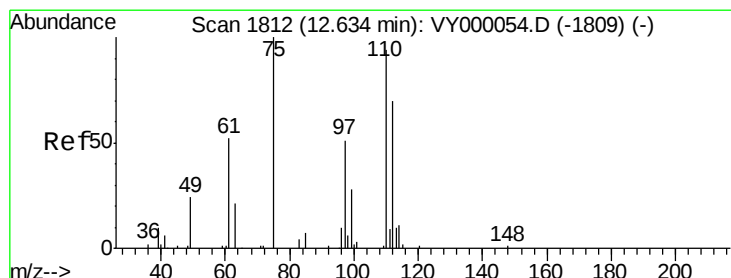
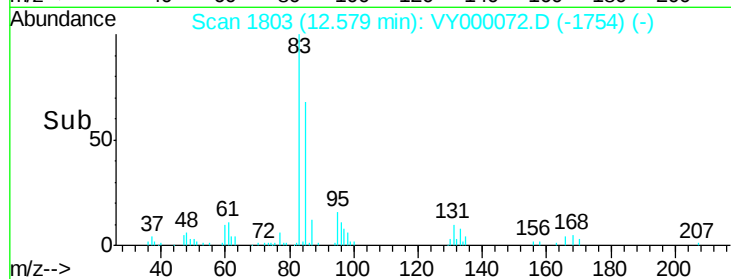
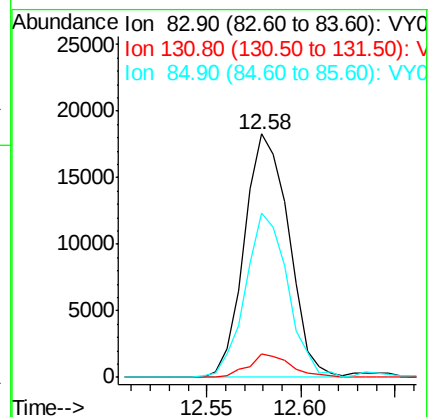
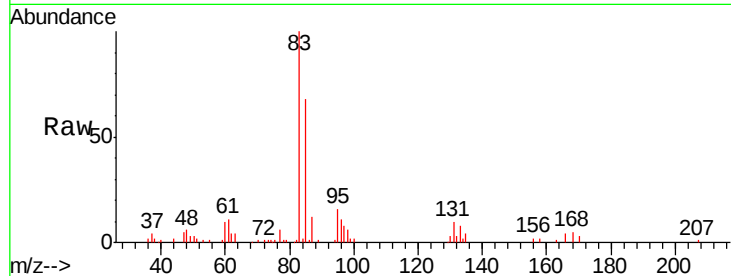
Tgt Ion: 83 Resp: 29924

Ion Ratio Lower Upper

83 100

131 9.1 4.9 14.7

85 64.5 32.5 97.4



#76

1,2,3-Trichloropropane

Concen: 35.244 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VY000072.D

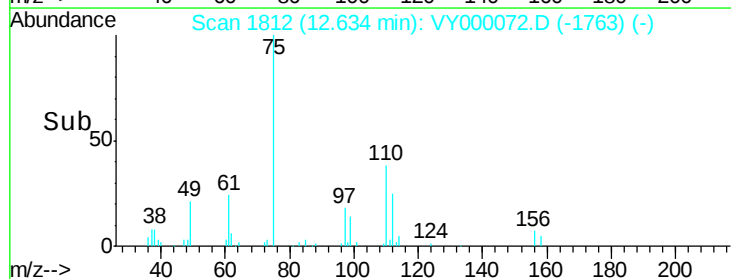
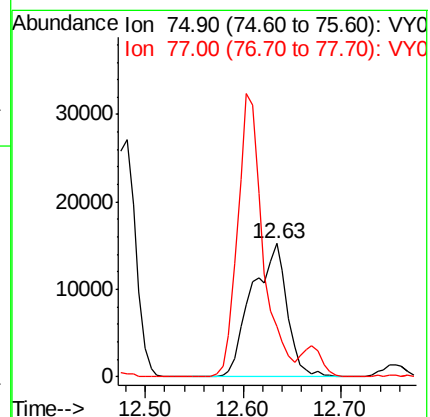
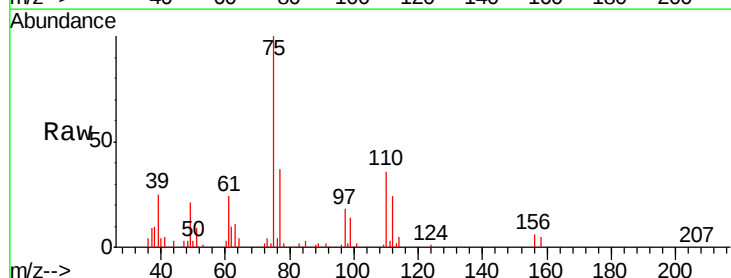
Acq: 19 Sep 2019 13:16

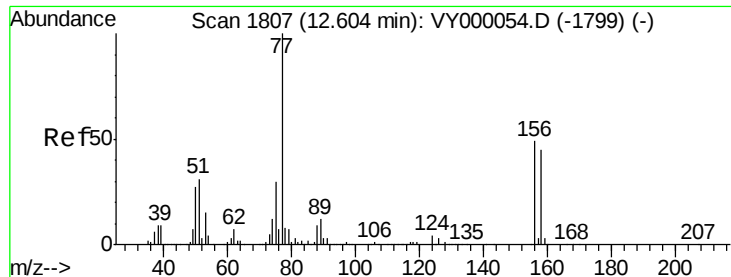
Tgt Ion: 75 Resp: 38231

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.560 ug/l

RT: 12.61 min Scan# 1808

Delta R.T. 0.01 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

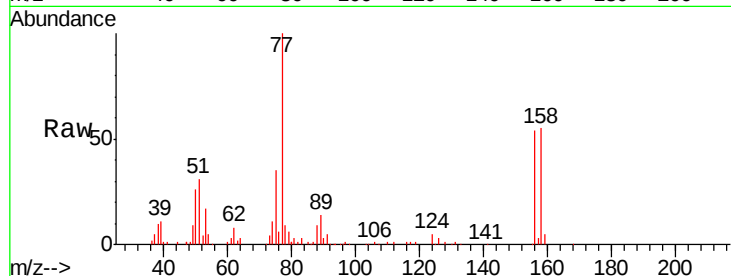
Tgt Ion:156 Resp: 26675

Ion Ratio Lower Upper

156 100

77 218.8 109.7 329.0

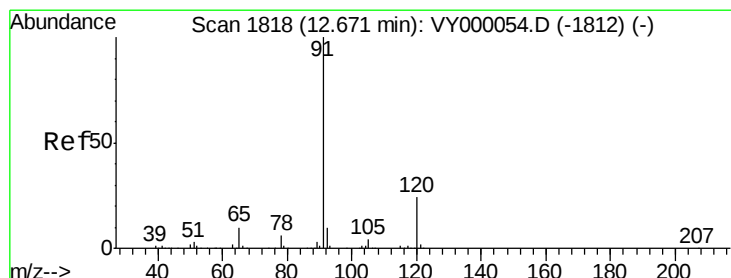
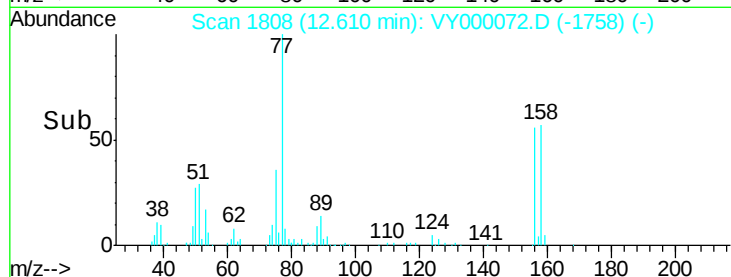
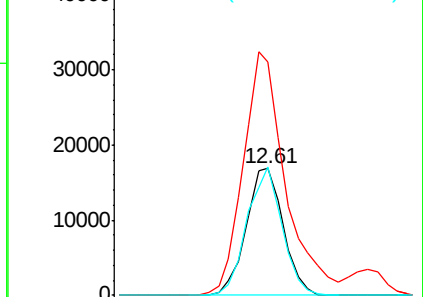
158 95.4 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.050 ug/l

RT: 12.67 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY000072.D

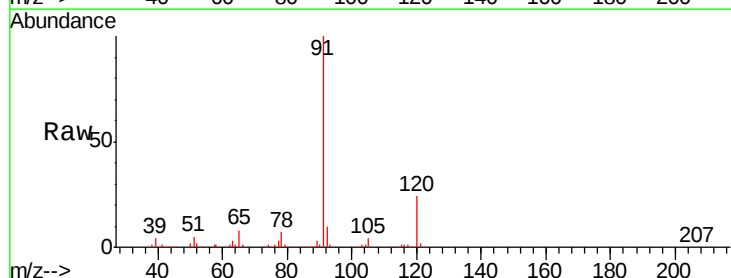
Acq: 19 Sep 2019 13:16

Tgt Ion: 91 Resp: 151962

Ion Ratio Lower Upper

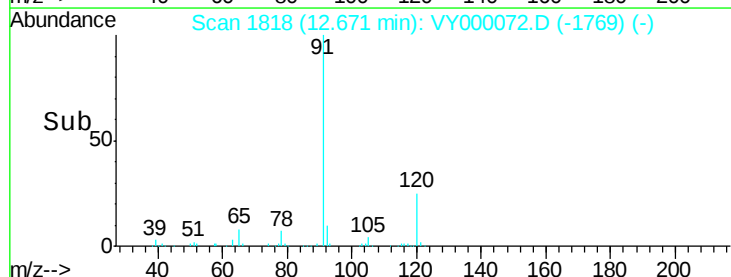
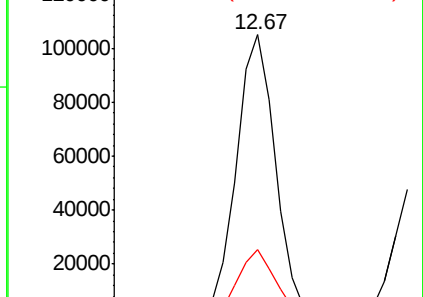
91 100

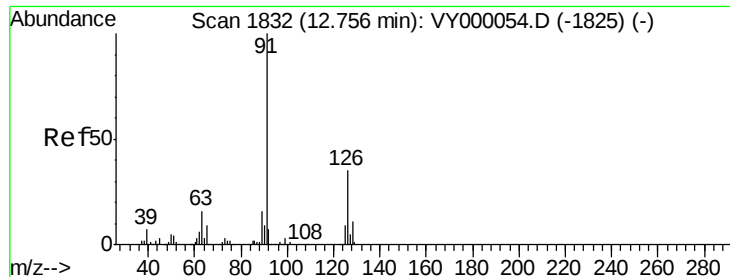
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.931 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

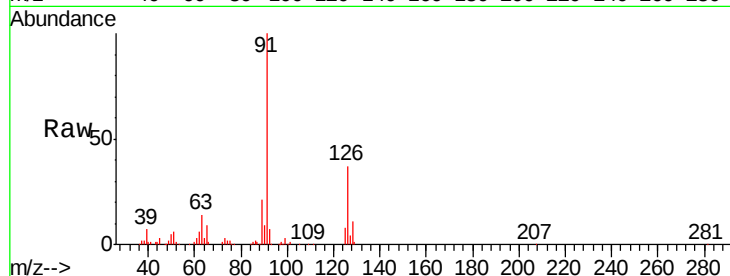
VY0919SBS01

Tgt Ion: 91 Resp: 84449

Ion Ratio Lower Upper

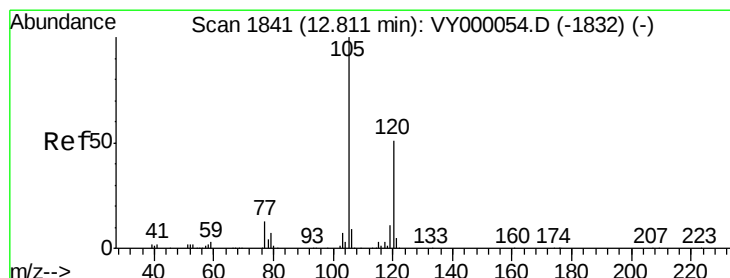
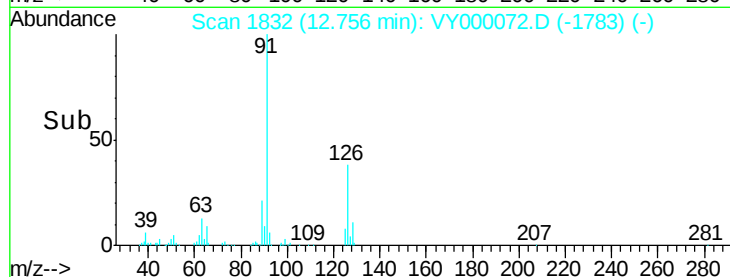
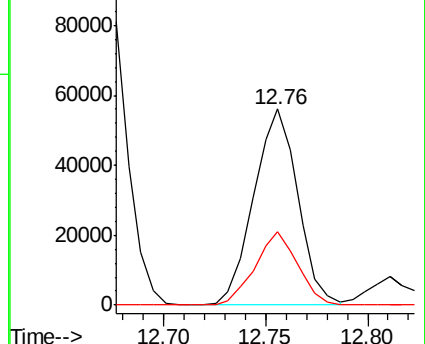
91 100

126 36.0 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VY000054.D (-1825) (-)

Ion 125.90 (125.60 to 126.60): VY000054.D (-1825) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.327 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VY000072.D

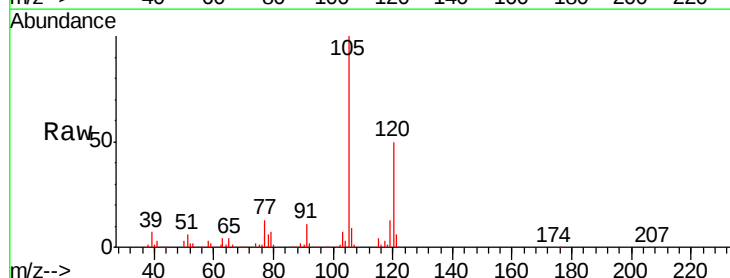
Acq: 19 Sep 2019 13:16

Tgt Ion: 105 Resp: 104618

Ion Ratio Lower Upper

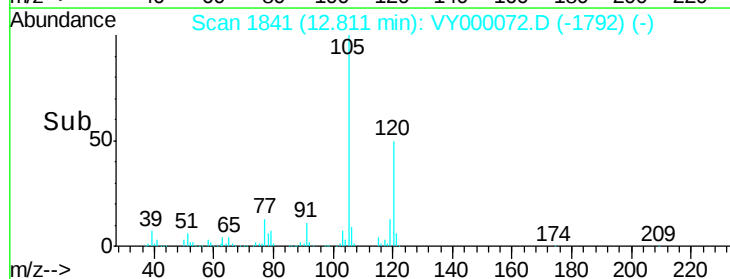
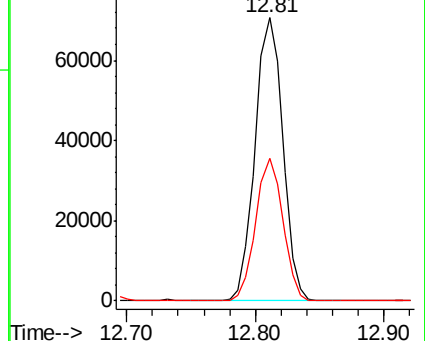
105 100

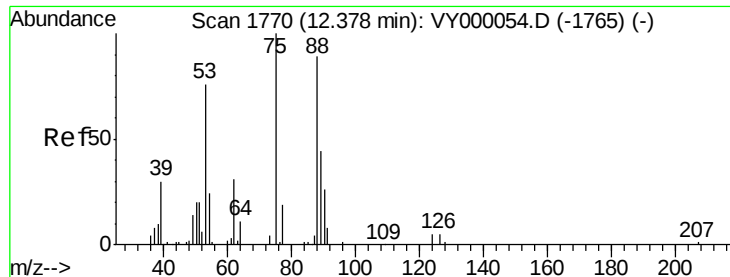
120 49.6 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VY000054.D (-1832) (-)

Ion 120.00 (119.70 to 120.70): VY000054.D (-1832) (-)

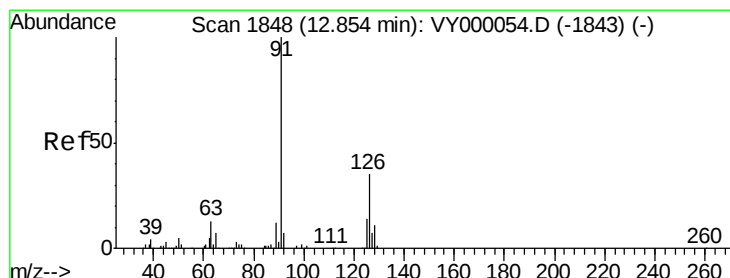
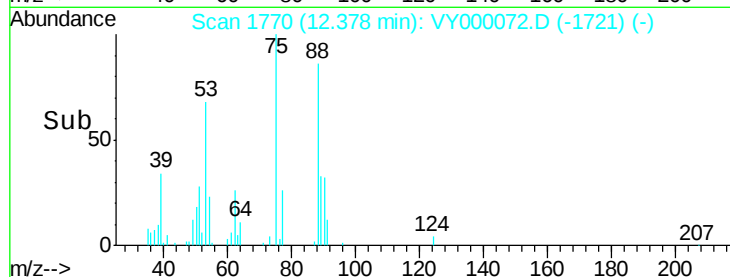
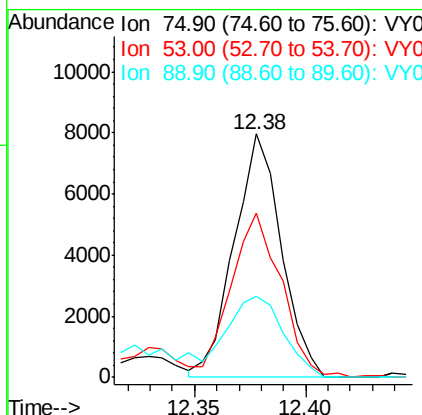
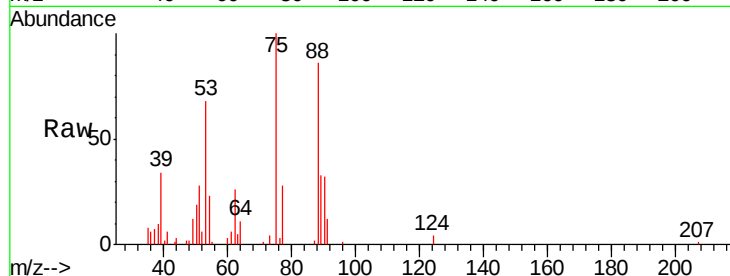




#81
trans-1,4-Dichloro-2-butene
Concen: 20.879 ug/l
RT: 12.38 min Scan# 1770
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

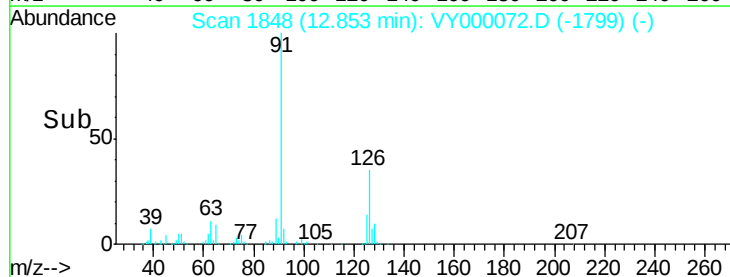
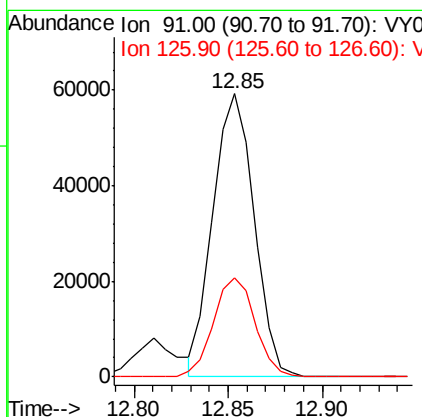
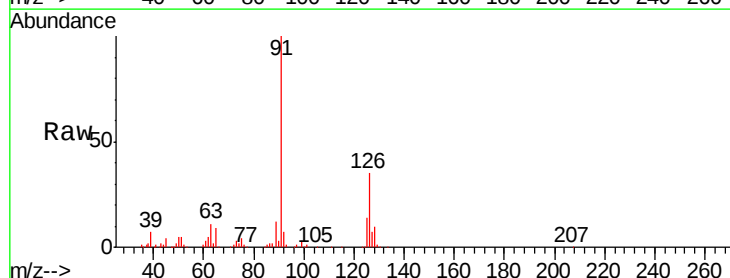
Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

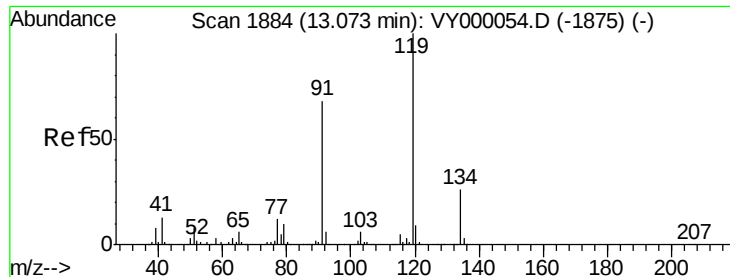
Tgt Ion: 75 Resp: 11776
Ion Ratio Lower Upper
75 100
53 71.3 60.9 91.3
89 39.5 35.3 52.9



#82
4-Chlorotoluene
Concen: 20.502 ug/l
RT: 12.85 min Scan# 1848
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion: 91 Resp: 89825
Ion Ratio Lower Upper
91 100
126 35.4 16.7 50.1

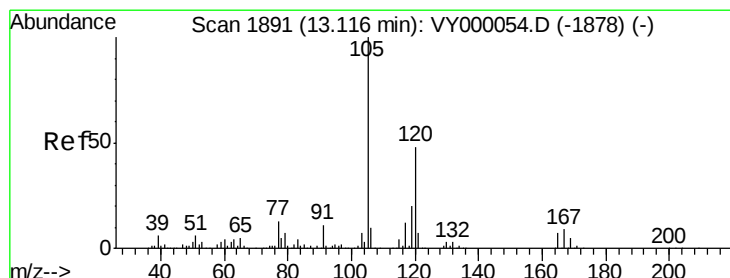
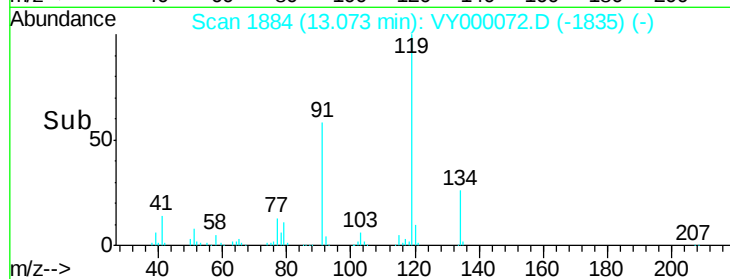
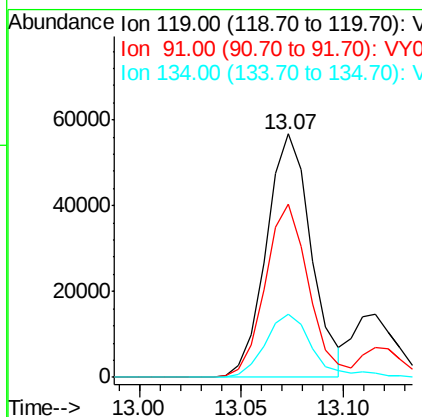
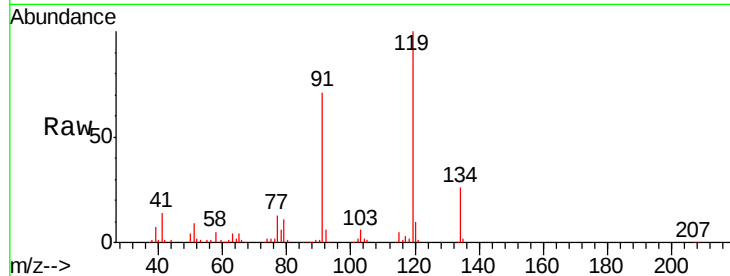




#83
 tert-Butylbenzene
 Concen: 19.770 ug/l
 RT: 13.07 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

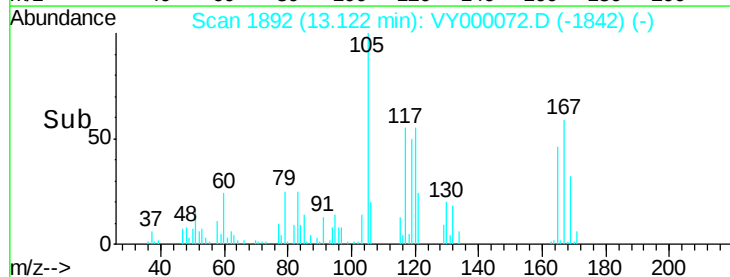
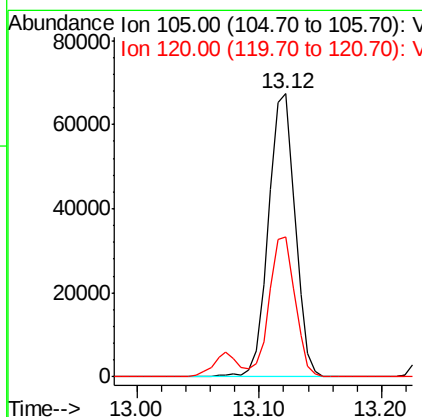
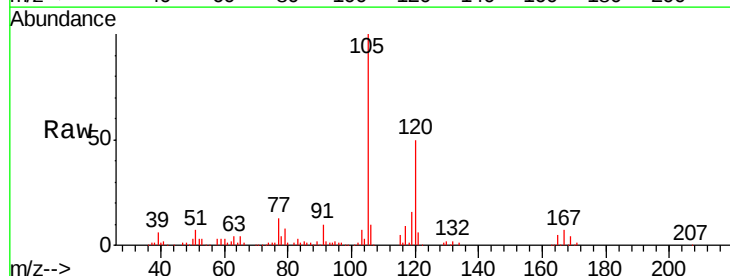
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

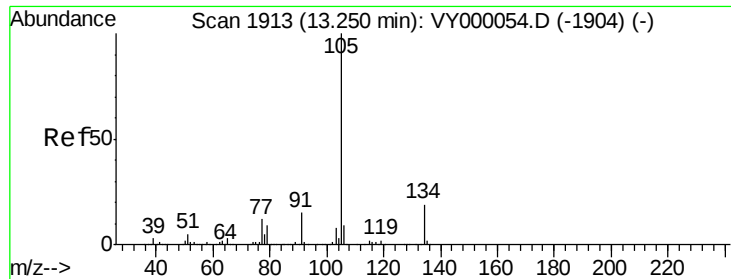
Tgt Ion:	119	Resp:	87056
Ion	Ratio	Lower	Upper
119	100		
91	69.3	33.4	100.1
134	27.6	12.7	38.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.102 ug/l
 RT: 13.12 min Scan# 1892
 Delta R.T. 0.01 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

Tgt Ion:	105	Resp:	101999
Ion	Ratio	Lower	Upper
105	100		
120	47.8	22.9	68.7

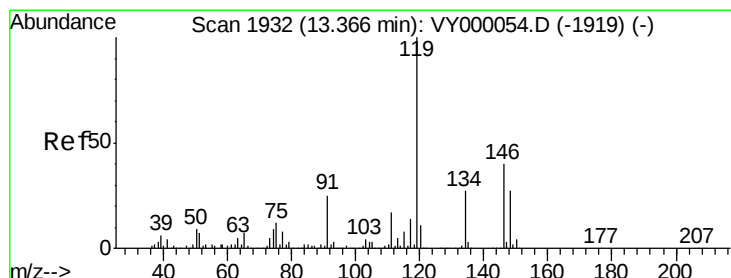
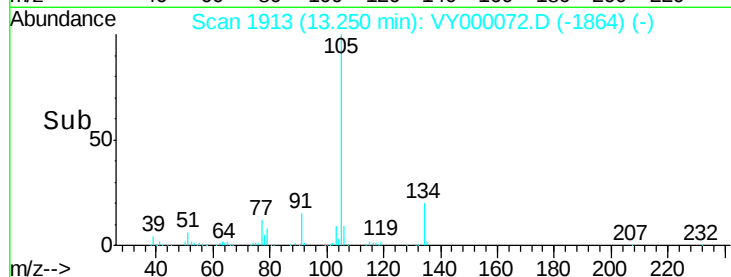
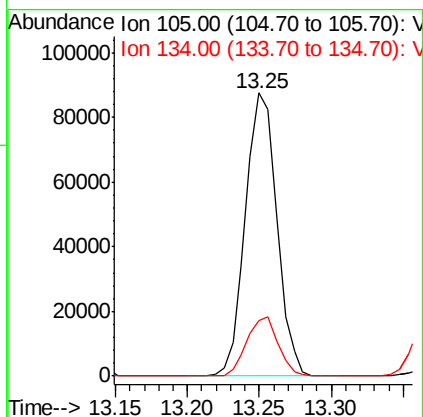
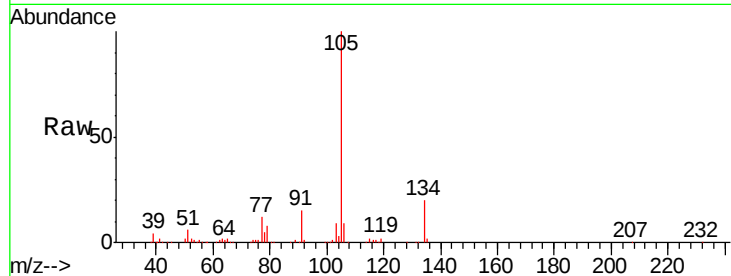




#85
 sec-Butylbenzene
 Concen: 20.358 ug/l
 RT: 13.25 min Scan# 1913
 Delta R.T. -0.00 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

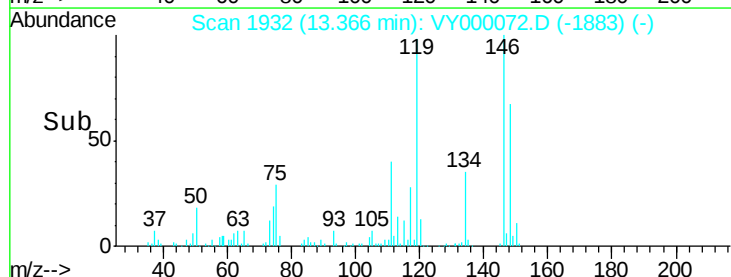
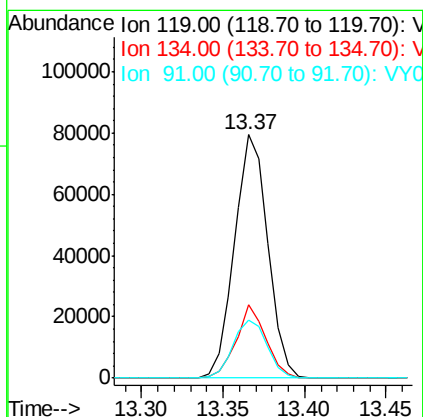
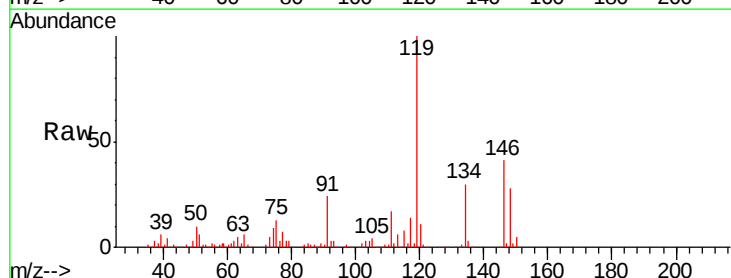
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

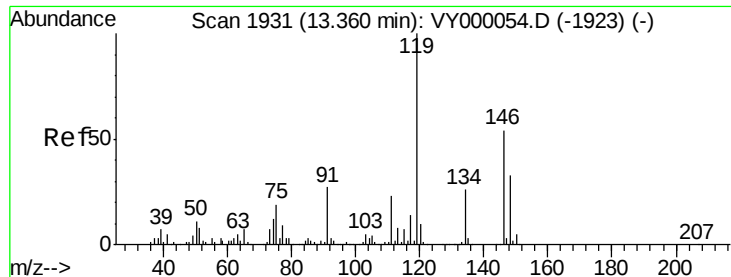
Tgt Ion:105 Resp: 132441
 Ion Ratio Lower Upper
 105 100
 134 20.8 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 20.471 ug/l
 RT: 13.37 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

Tgt Ion:119 Resp: 112886
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.4 40.2
 91 24.4 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 20.966 ug/l

RT: 13.37 min Scan# 1932

Delta R.T. 0.01 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

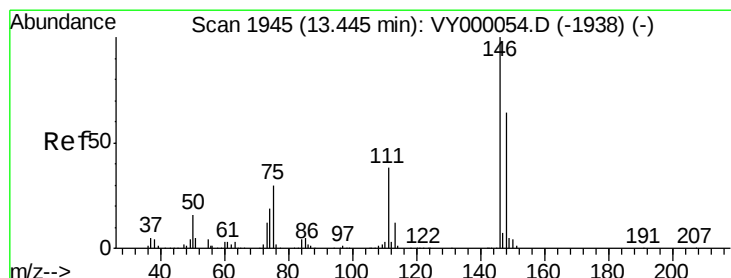
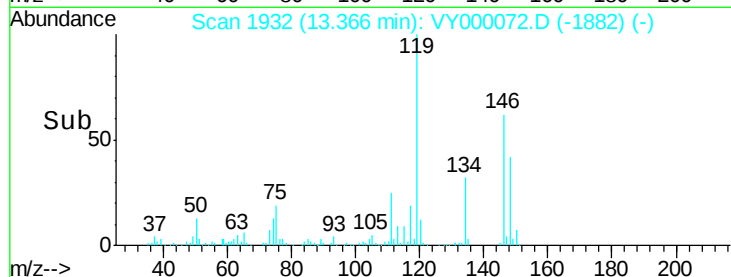
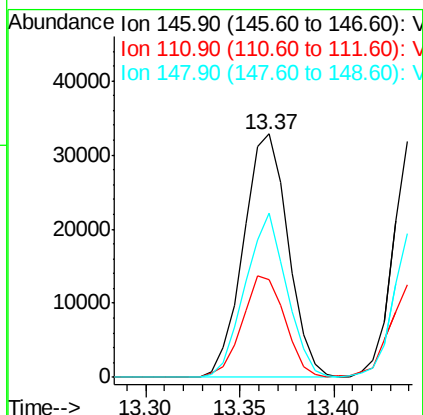
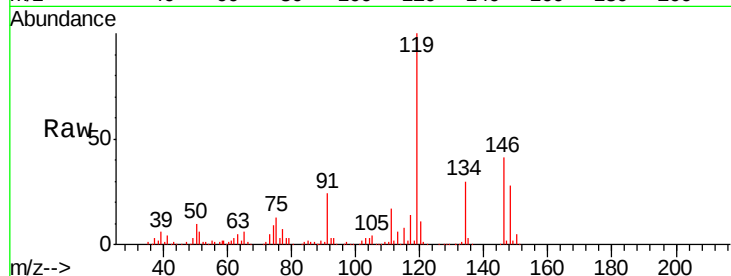
Tgt Ion:146 Resp: 53958

Ion Ratio Lower Upper

146 100

111 40.0 21.1 63.1

148 62.7 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 21.032 ug/l

RT: 13.44 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

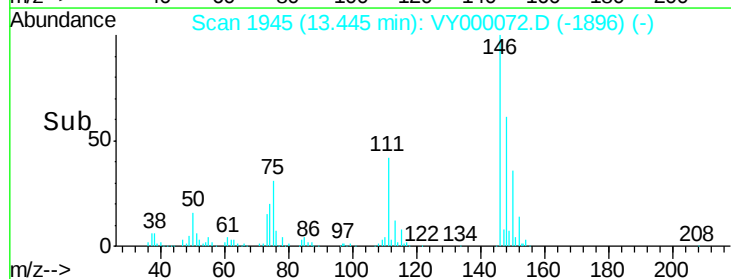
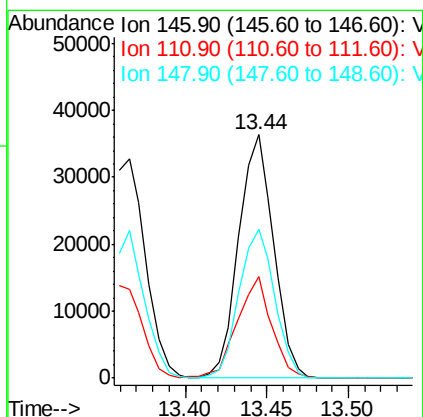
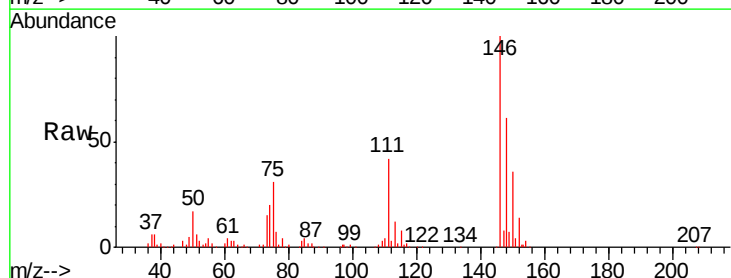
Tgt Ion:146 Resp: 54392

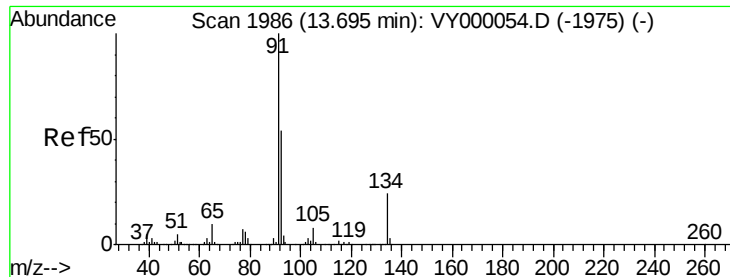
Ion Ratio Lower Upper

146 100

111 41.0 20.8 62.4

148 62.4 31.5 94.5

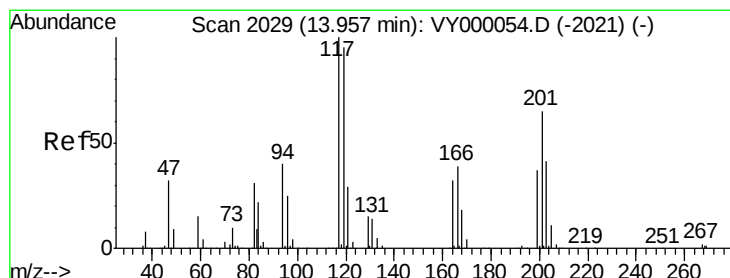
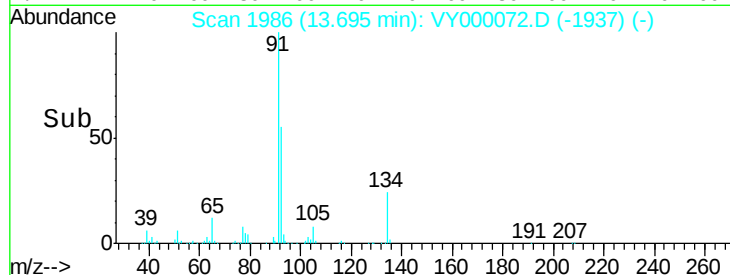
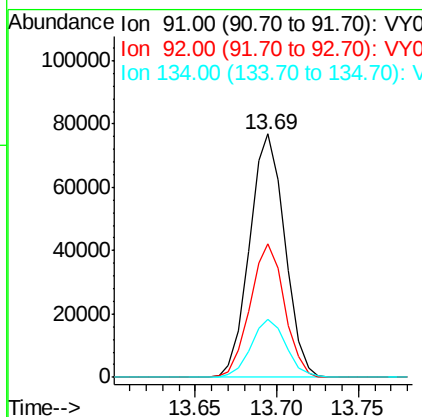
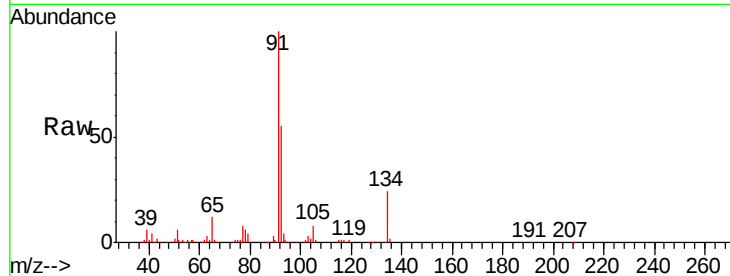




#89
n-Butylbenzene
Concen: 20.326 ug/l
RT: 13.69 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

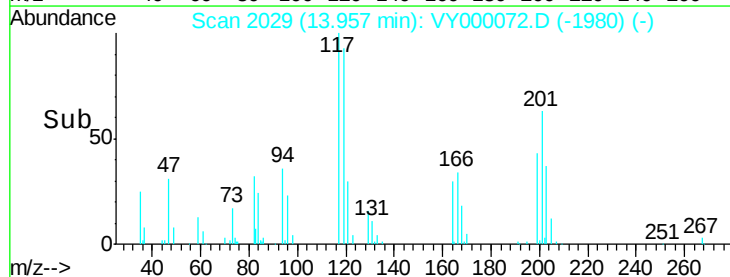
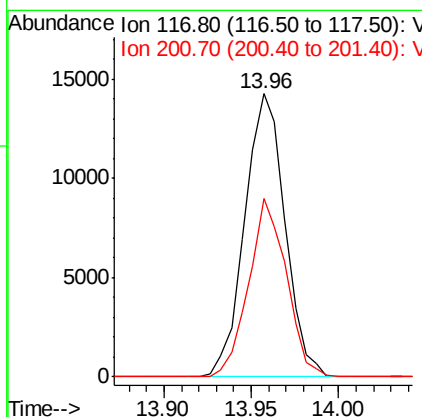
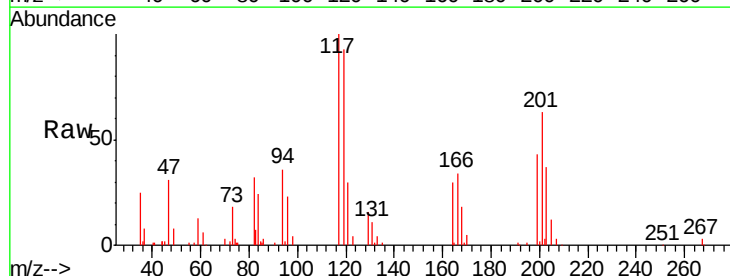
Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

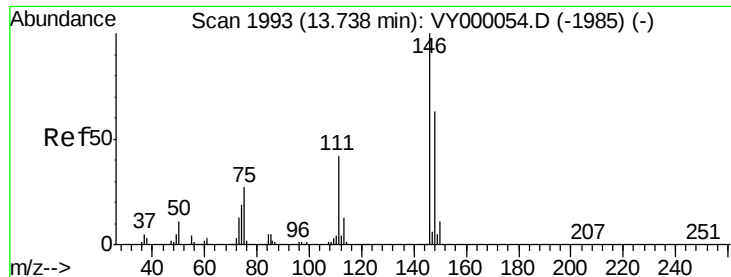
Tgt Ion: 91 Resp: 115310
Ion Ratio Lower Upper
91 100
92 53.5 27.2 81.5
134 23.7 12.2 36.6



#90
Hexachloroethane
Concen: 21.064 ug/l
RT: 13.96 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion: 117 Resp: 22826
Ion Ratio Lower Upper
117 100
201 58.8 30.6 92.0





#91

1,2-Dichlorobenzene

Concen: 19.999 ug/l

RT: 13.74 min Scan# 1993

Delta R.T. -0.00 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBS01

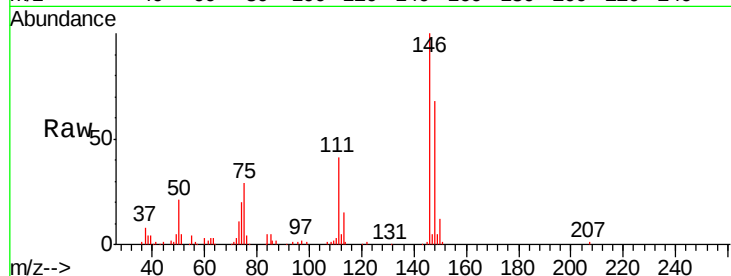
Tgt Ion:146 Resp: 48356

Ion Ratio Lower Upper

146 100

111 42.6 21.9 65.7

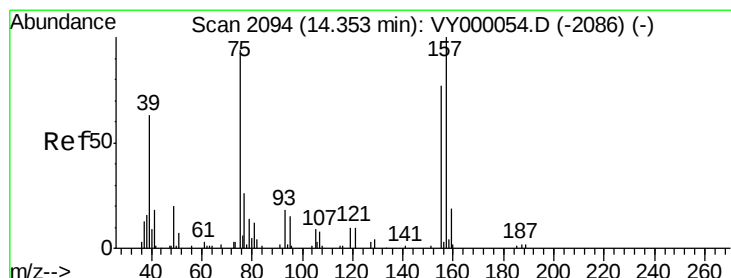
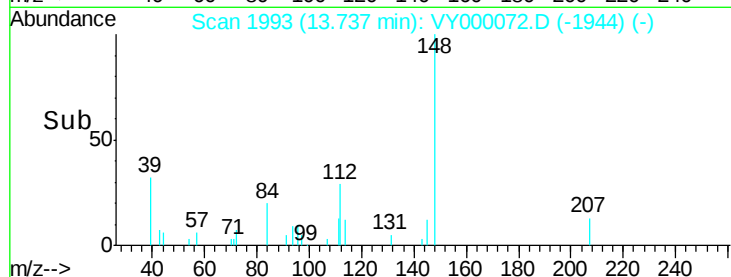
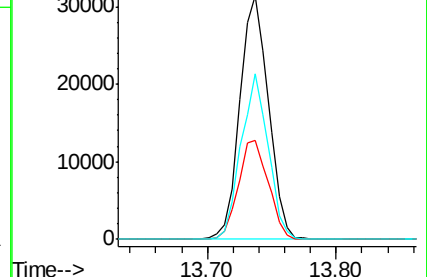
148 64.6 32.4 97.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.207 ug/l

RT: 14.36 min Scan# 2095

Delta R.T. 0.01 min

Lab File: VY000072.D

Acq: 19 Sep 2019 13:16

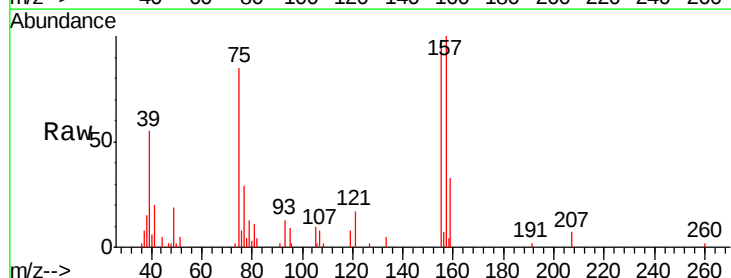
Tgt Ion: 75 Resp: 5262

Ion Ratio Lower Upper

75 100

155 93.1 40.6 121.7

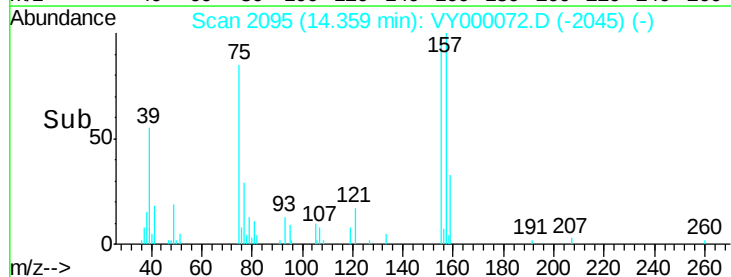
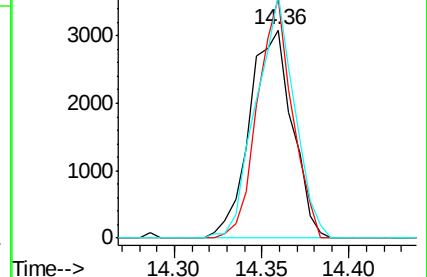
157 104.3 52.9 158.8

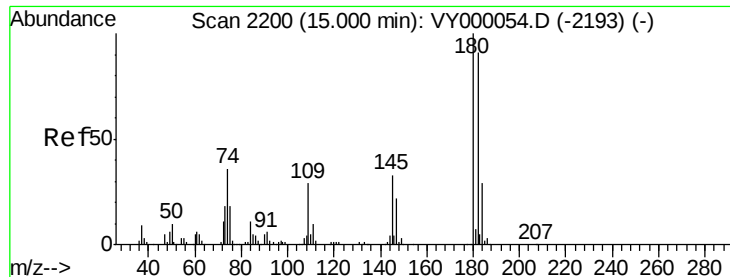


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

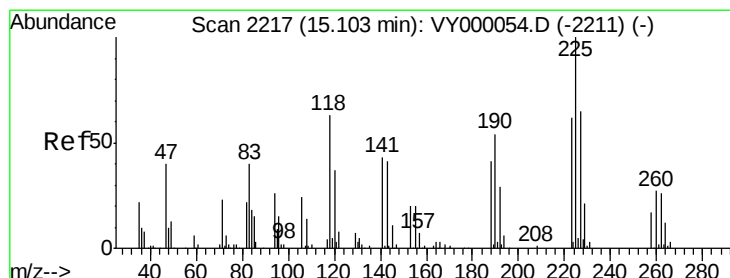
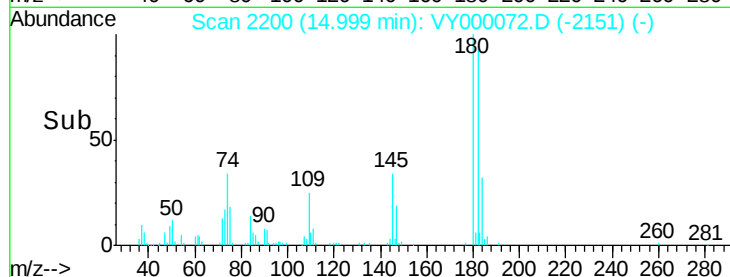
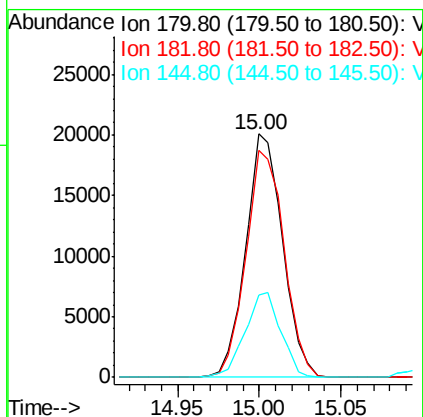
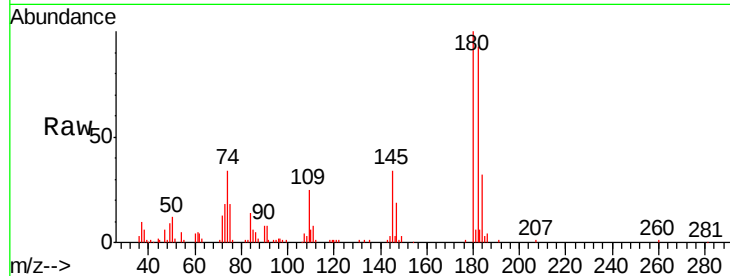




#93
 1,2,4-Trichlorobenzene
 Concen: 21.717 ug/l
 RT: 15.00 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

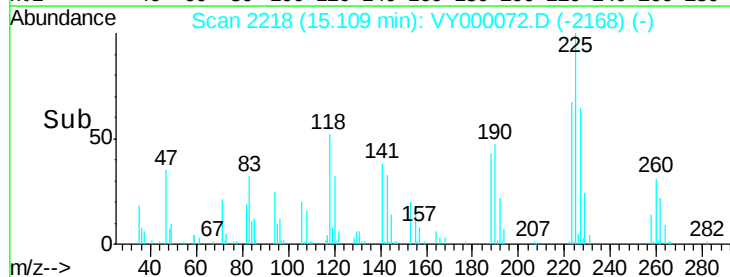
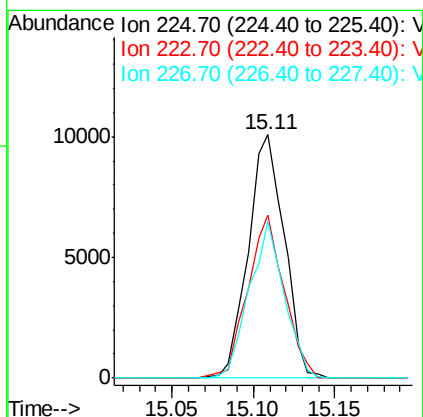
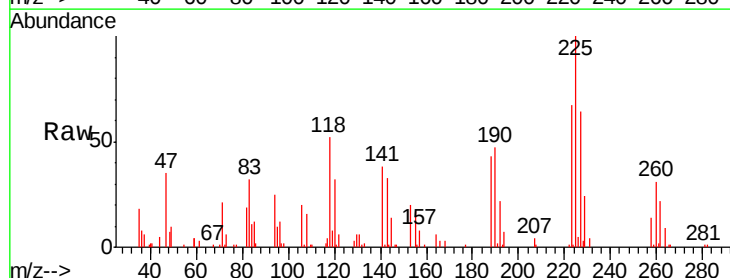
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBS01

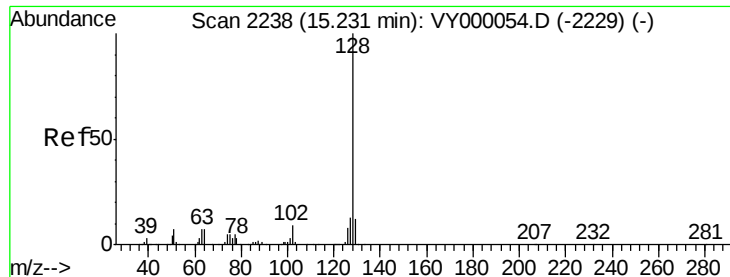
Tgt Ion:180 Resp: 31686
 Ion Ratio Lower Upper
 180 100
 182 96.6 48.5 145.6
 145 33.9 17.2 51.6



#94
 Hexachlorobutadiene
 Concen: 22.164 ug/l
 RT: 15.11 min Scan# 2218
 Delta R.T. 0.01 min
 Lab File: VY000072.D
 Acq: 19 Sep 2019 13:16

Tgt Ion:225 Resp: 15526
 Ion Ratio Lower Upper
 225 100
 223 67.8 31.9 95.5
 227 62.2 30.6 91.6

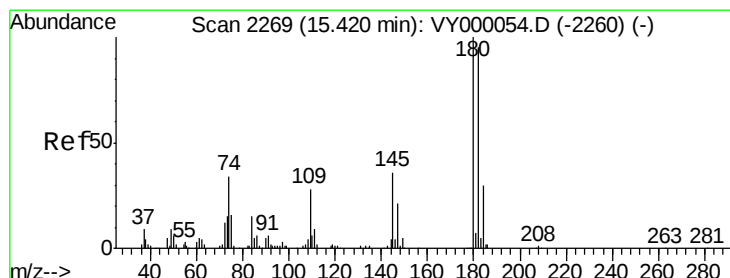
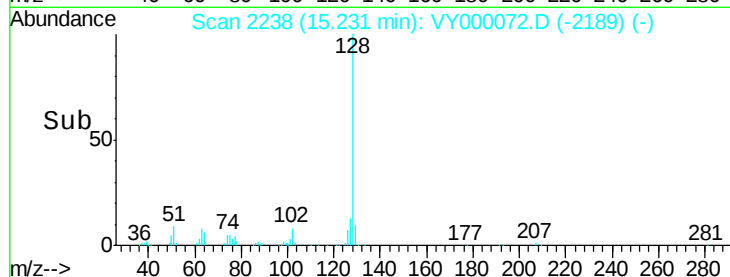
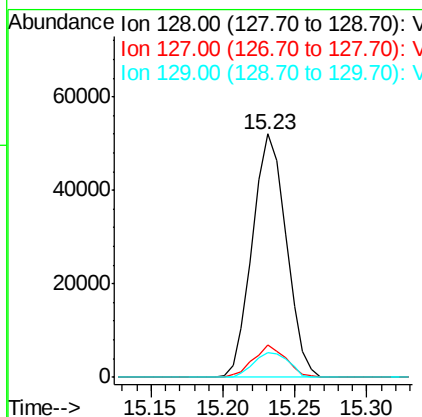
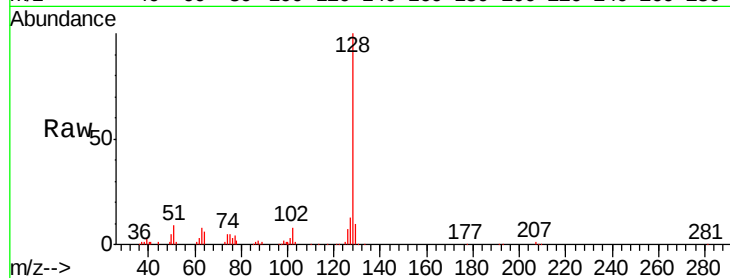




#95
Naphthalene
Concen: 20.486 ug/l
RT: 15.23 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBS01

Tgt Ion:128 Resp: 84850
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.6 9.2 13.8



#96
1,2,3-Trichlorobenzene
Concen: 20.869 ug/l
RT: 15.42 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VY000072.D
Acq: 19 Sep 2019 13:16

Tgt Ion:180 Resp: 29059
Ion Ratio Lower Upper
180 100
182 89.8 47.5 142.5
145 31.2 17.4 52.2

