

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY091119\
 Data File : VY000011.D
 Acq On : 11 Sep 2019 20:21
 Operator : SY/MD
 Sample : VY0911SBSD01
 Misc : 5.00g/5.00ml/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0911SBSD01

Quant Time: Sep 12 09:22:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 09:07:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	136854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	265251	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	222253	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	92013	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	76052	54.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.64%	
35) Dibromofluoromethane	7.72	113	74133	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	10.18	98	314713	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.48	95	105168	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	22101	22.013	ug/l	97
3) Chloromethane	2.11	50	30410	17.593	ug/l	99
4) Vinyl Chloride	2.24	62	34419	21.699	ug/l	97
5) Bromomethane	2.62	94	21902	23.666	ug/l	92
6) Chloroethane	2.78	64	21567	20.622	ug/l	94
7) Trichlorofluoromethane	3.12	101	43205	22.116	ug/l	93
8) Diethyl Ether	3.53	74	17430	22.748	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.89	101	28877	22.081	ug/l	98
10) Methyl Iodide	4.09	142	30127	19.797	ug/l	98
11) Tert butyl alcohol	4.98	59	21541	129.101	ug/l	100
12) 1,1-Dichloroethene	3.87	96	26510	20.944	ug/l	90
13) Acrolein	3.73	56	18154	148.207	ug/l	99
14) Allyl chloride	4.48	41	41077	21.332	ug/l	97
15) Acrylonitrile	5.17	53	57096	113.580	ug/l	97
16) Acetone	3.95	43	38262	98.847	ug/l	93
17) Carbon Disulfide	4.18	76	55008	21.291	ug/l	95
18) Methyl Acetate	4.48	43	24397	20.884	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	83464	23.408	ug/l	95
20) Methylene Chloride	4.71	84	33893	21.588	ug/l #	93
21) trans-1,2-Dichloroethene	5.21	96	28876	21.172	ug/l	94
22) Diisopropyl ether	6.12	45	90099	21.522	ug/l	99
23) Vinyl Acetate	6.06	43	308295	108.631	ug/l	99
24) 1,1-Dichloroethane	6.02	63	56244	22.430	ug/l	97
25) 2-Butanone	6.99	43	66799	109.291	ug/l	98
26) 2,2-Dichloropropane	6.98	77	44340	20.680	ug/l	98
27) cis-1,2-Dichloroethene	6.98	96	37063	21.660	ug/l	99
28) Bromochloromethane	7.34	49	21459	18.573	ug/l	94
29) Tetrahydrofuran	7.35	42	42349	110.910	ug/l	97
30) Chloroform	7.51	83	55469	21.854	ug/l	97
31) Cyclohexane	7.78	56	45768	21.826	ug/l	96
32) 1,1,1-Trichloroethane	7.70	97	45303	21.624	ug/l	98
36) 1,1-Dichloropropene	7.92	75	38758	20.214	ug/l	99
37) Ethyl Acetate	7.08	43	27335	20.846	ug/l	99
38) Carbon Tetrachloride	7.89	117	37733	20.499	ug/l #	90

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 Misc : 5.00g/5.00ml/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
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Quant Time: Sep 12 09:22:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 09:07:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	47132	19.939	ug/l	98
40) Benzene	8.16	78	129256	20.964	ug/l	98
41) Methacrylonitrile	7.32	41	15911	20.243	ug/l	96
42) 1,2-Dichloroethane	8.24	62	33021	20.541	ug/l	99
43) Isopropyl Acetate	8.27	43	53928	22.373	ug/l	96
44) Trichloroethene	8.93	130	32057	20.209	ug/l	96
45) 1,2-Dichloropropane	9.21	63	33002	20.852	ug/l	90
46) Dibromomethane	9.31	93	18289	21.356	ug/l	95
47) Bromodichloromethane	9.49	83	43781	21.344	ug/l #	94
48) Methyl methacrylate	9.29	41	22543	21.171	ug/l	95
49) 1,4-Dioxane	9.30	88	7748	460.267	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	149675	112.804	ug/l	99
52) Toluene	10.24	92	79662	20.523	ug/l	97
53) t-1,3-Dichloropropene	10.46	75	45074	20.918	ug/l	95
54) cis-1,3-Dichloropropene	9.93	75	53394	21.226	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	27841	20.975	ug/l	99
56) Ethyl methacrylate	10.51	69	40947	21.428	ug/l	95
57) 1,3-Dichloropropane	10.79	76	45959	20.981	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	105062	106.571	ug/l	97
59) 2-Hexanone	10.83	43	108530	114.878	ug/l	100
60) Dibromochloromethane	10.98	129	30582	21.619	ug/l	95
61) 1,2-Dibromoethane	11.09	107	25865	21.183	ug/l	94
64) Tetrachloroethene	10.71	164	28064	20.655	ug/l	92
65) Chlorobenzene	11.51	112	88541	21.552	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.59	131	31359	22.561	ug/l	98
67) Ethyl Benzene	11.59	91	154091	20.528	ug/l	97
68) m/p-Xylenes	11.70	106	118424	41.536	ug/l	99
69) o-Xylene	12.02	106	56897	20.750	ug/l	94
70) Styrene	12.04	104	102405	21.449	ug/l	98
71) Bromoform	12.21	173	17757	21.087	ug/l #	93
73) Isopropylbenzene	12.32	105	155288	22.321	ug/l	100
74) N-amyl acetate	12.14	43	45694	23.665	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	39348	24.550	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	49902	45.958	ug/l #	100
77) Bromobenzene	12.60	156	33244	22.419	ug/l	98
78) n-propylbenzene	12.66	91	184022	21.856	ug/l	100
79) 2-Chlorotoluene	12.75	91	101847	21.803	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	126469	21.988	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.37	75	14820	23.626	ug/l	98
82) 4-Chlorotoluene	12.85	91	107599	22.054	ug/l	100
83) tert-Butylbenzene	13.07	119	108702	22.214	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	124163	22.068	ug/l	98
85) sec-Butylbenzene	13.25	105	156996	21.523	ug/l	100
86) p-Isopropyltoluene	13.37	119	132001	21.515	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	64075	22.399	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	63188	21.905	ug/l	97
89) n-Butylbenzene	13.69	91	130610	21.304	ug/l	98
90) Hexachloroethane	13.96	117	26730	21.535	ug/l	97
91) 1,2-Dichlorobenzene	13.73	146	60556	22.478	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	7574	25.377	ug/l	96

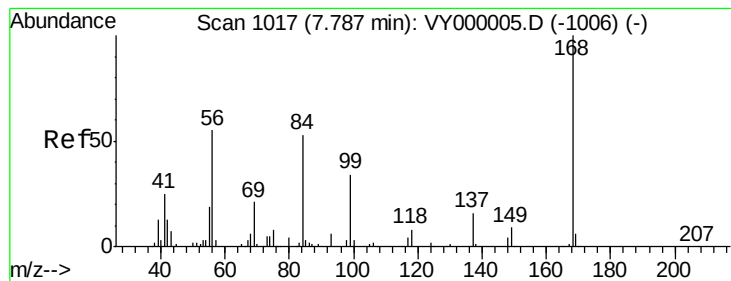
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY091119\
Data File : VY000011.D
Acq On : 11 Sep 2019 20:21
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Sample : VY0911SBSD01
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Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBSD01

Quant Time: Sep 12 09:22:17 2019
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Quant Title : SW846 8260
QLast Update : Thu Sep 12 09:07:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	36130	21.993	ug/l	96
94) Hexachlorobutadiene	15.10	225	17190	21.610	ug/l	98
95) Naphthalene	15.22	128	108669	24.196	ug/l	99
96) 1,2,3-Trichlorobenzene	15.41	180	34242	23.243	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

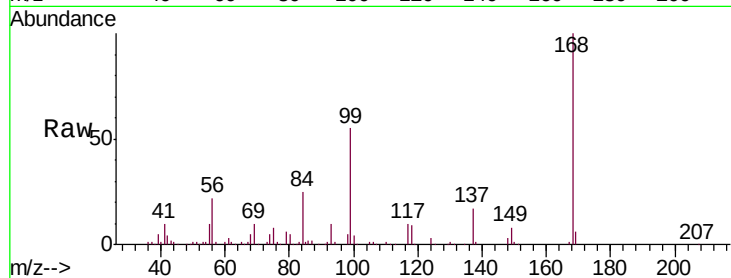
VY0911SBSD01

Tgt Ion:168 Resp: 136854

Ion Ratio Lower Upper

168 100

99 54.7 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.79

60000

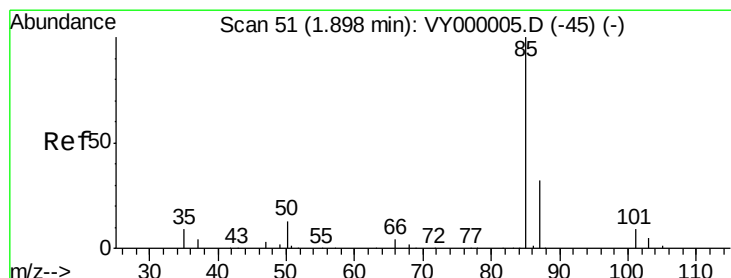
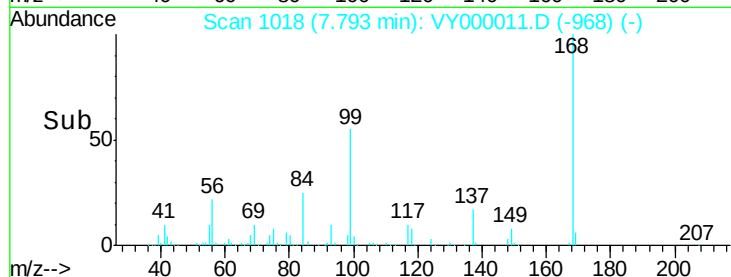
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 22.013 ug/l

RT: 1.90 min Scan# 51

Delta R.T. 0.00 min

Lab File: VY000011.D

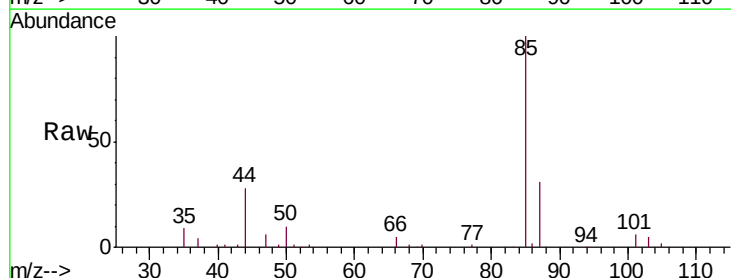
Acq: 11 Sep 2019 20:21

Tgt Ion: 85 Resp: 22101

Ion Ratio Lower Upper

85 100

87 30.7 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.90

15000

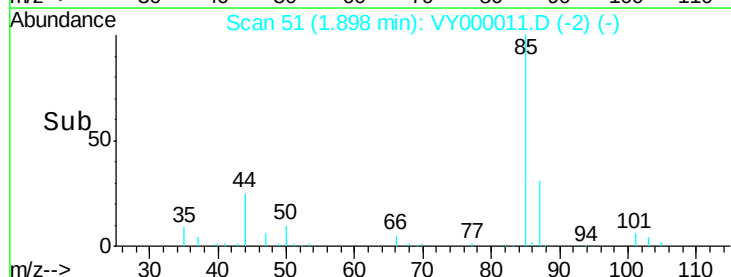
10000

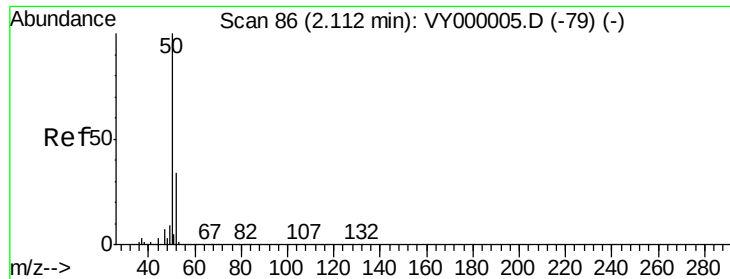
5000

0

1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.593 ug/l

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

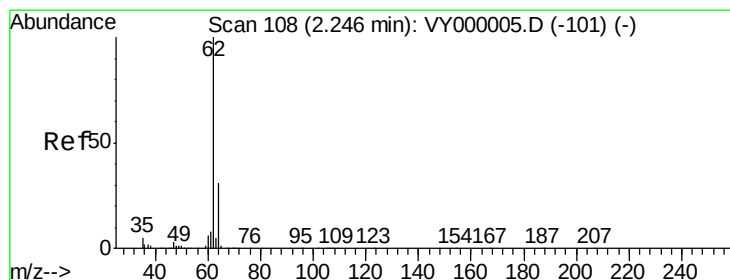
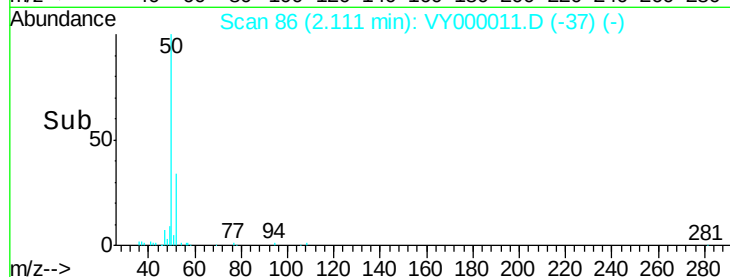
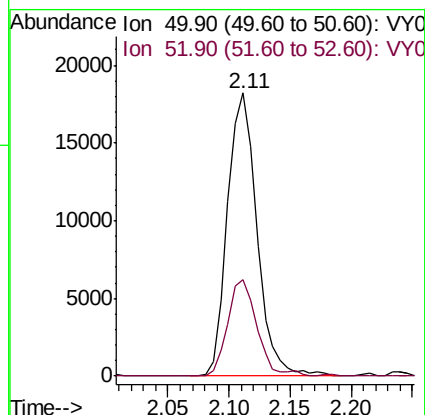
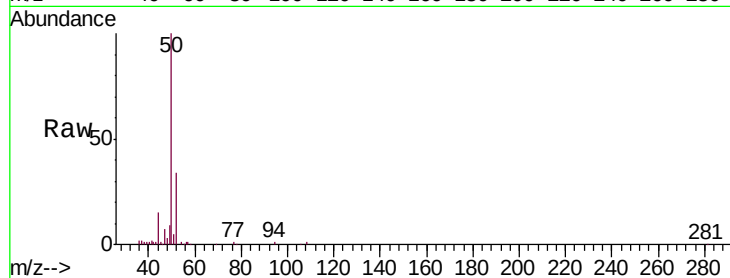
VY0911SBS01

Tgt Ion: 50 Resp: 30410

Ion Ratio Lower Upper

50 100

52 34.2 26.8 40.2



#4

Vinyl Chloride

Concen: 21.699 ug/l

RT: 2.24 min Scan# 107

Delta R.T. -0.01 min

Lab File: VY000011.D

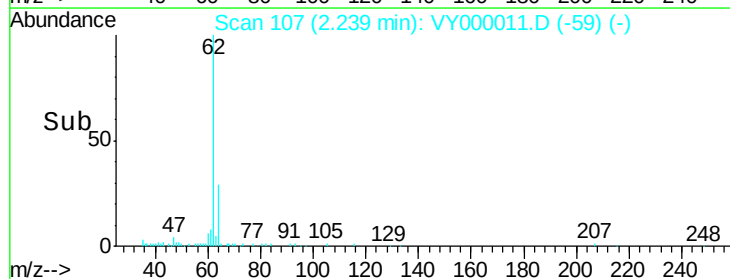
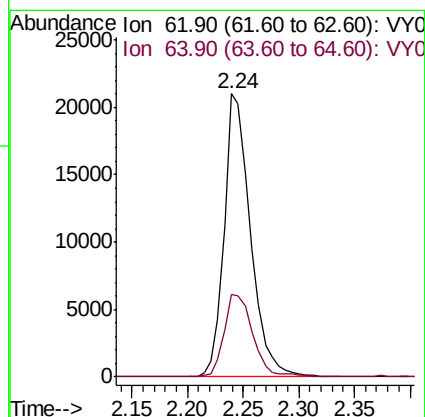
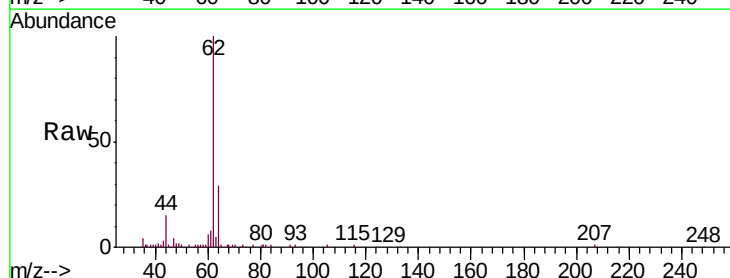
Acq: 11 Sep 2019 20:21

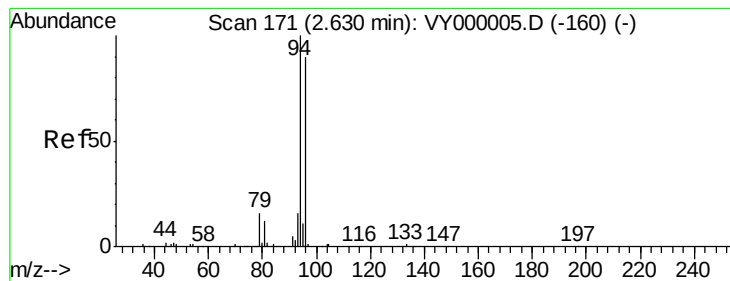
Tgt Ion: 62 Resp: 34419

Ion Ratio Lower Upper

62 100

64 28.9 24.6 37.0





#5

Bromomethane

Concen: 23.666 ug/l

RT: 2.62 min Scan# 169

Delta R.T. -0.01 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

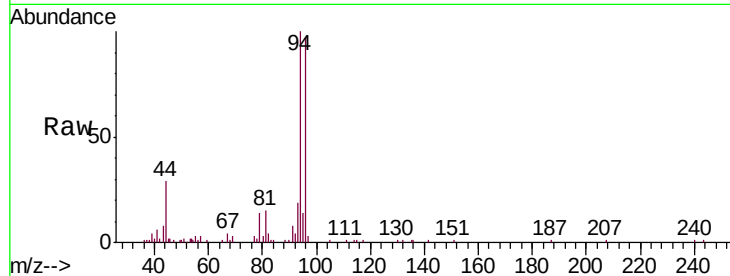
VY0911SBSD01

Tgt Ion: 94 Resp: 21902

Ion Ratio Lower Upper

94 100

96 97.1 71.6 107.4



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

12000

10000

8000

6000

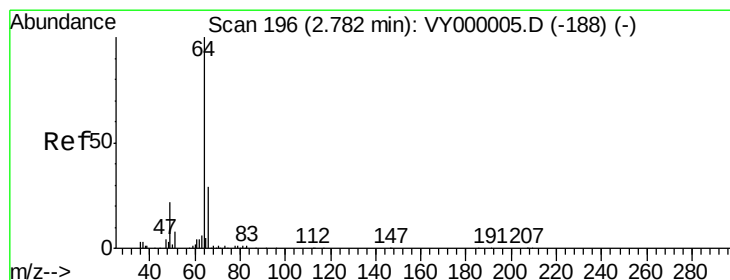
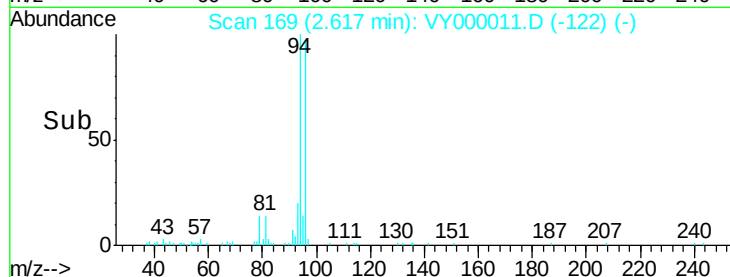
4000

2000

0

2.55 2.60 2.65 2.70

Time-->



#6

Chloroethane

Concen: 20.622 ug/l

RT: 2.78 min Scan# 195

Delta R.T. -0.01 min

Lab File: VY000011.D

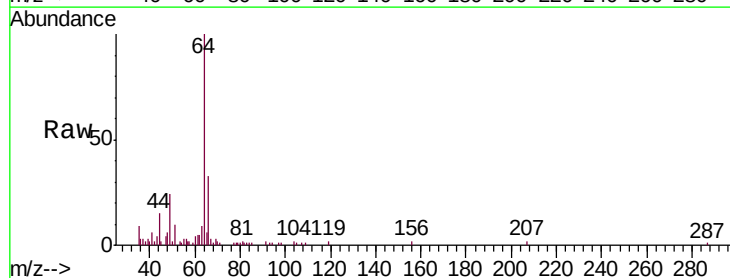
Acq: 11 Sep 2019 20:21

Tgt Ion: 64 Resp: 21567

Ion Ratio Lower Upper

64 100

66 32.8 23.5 35.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

12000

10000

8000

6000

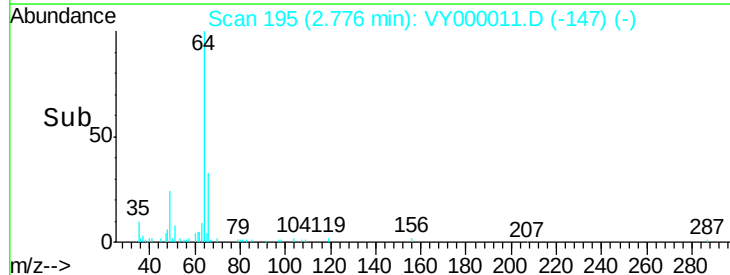
4000

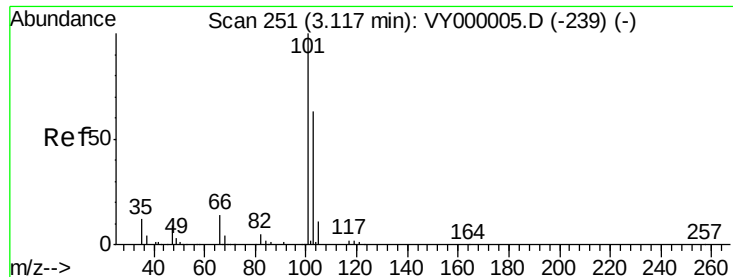
2000

0

2.70 2.80 2.90

Time-->



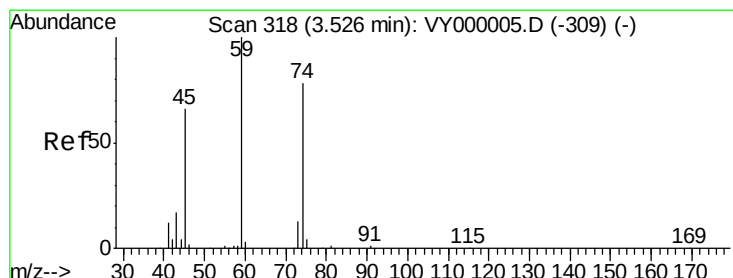
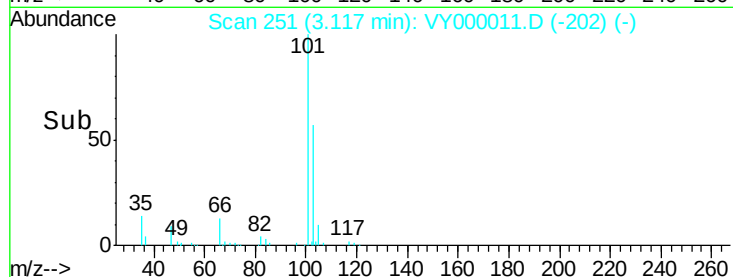
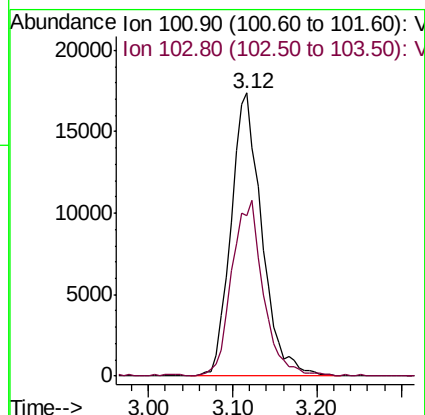
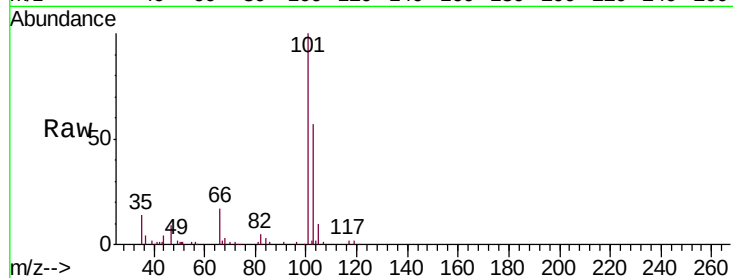


#7

Trichlorofluoromethane
 Concen: 22.116 ug/l
 RT: 3.12 min Scan# 251
 Delta R.T. -0.00 min
 Lab File: VY000011.D
 Acq: 11 Sep 2019 20:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0911SBSD01

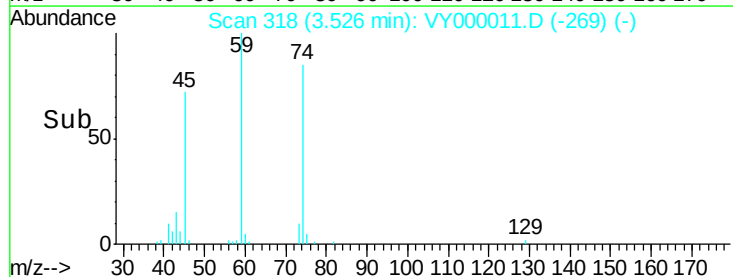
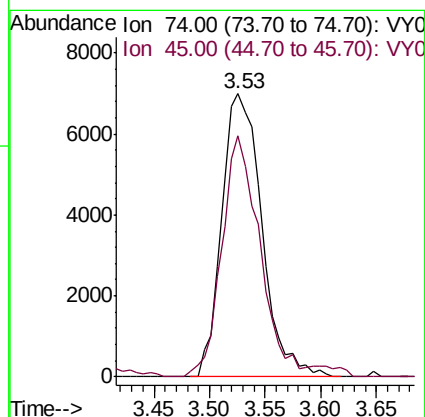
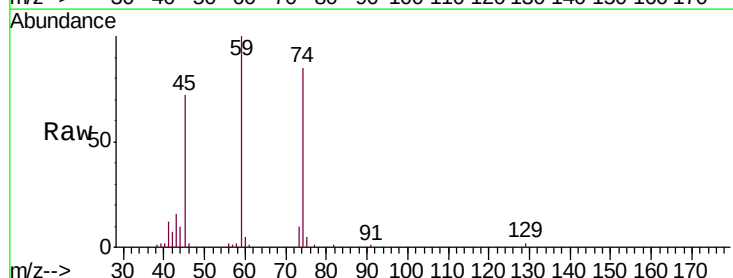
Tgt Ion: 101 Resp: 43205
 Ion Ratio Lower Upper
 101 100
 103 56.8 50.0 75.0

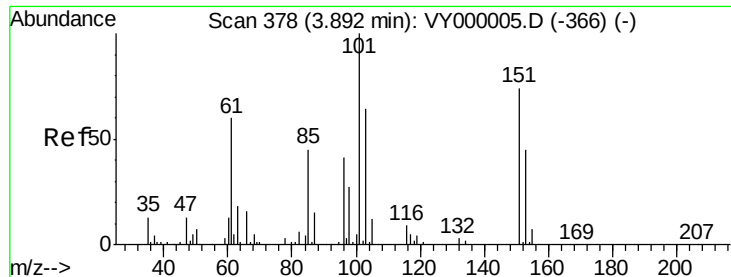


#8

Diethyl Ether
 Concen: 22.748 ug/l
 RT: 3.53 min Scan# 318
 Delta R.T. -0.00 min
 Lab File: VY000011.D
 Acq: 11 Sep 2019 20:21

Tgt Ion: 74 Resp: 17430
 Ion Ratio Lower Upper
 74 100
 45 80.6 40.5 121.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.081 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0911SBSD01

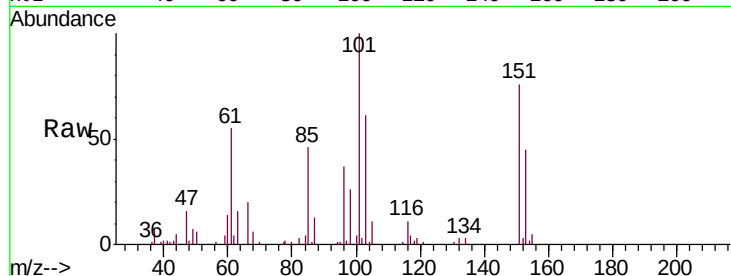
Tgt Ion:101 Resp: 28877

Ion Ratio Lower Upper

101 100

85 44.7 34.0 51.0

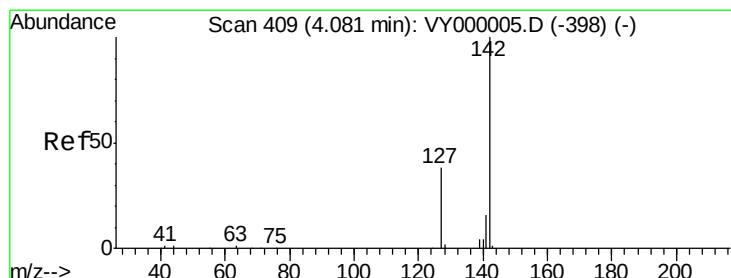
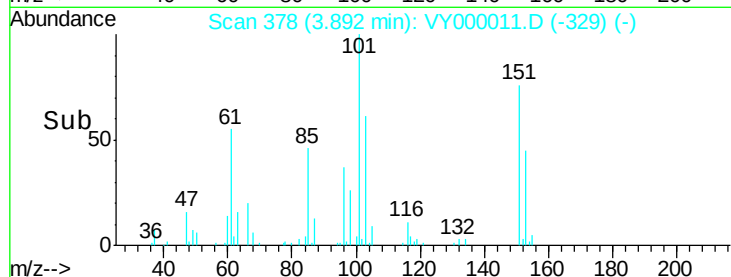
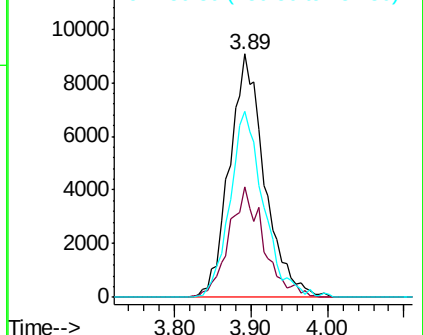
151 73.1 57.3 85.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.797 ug/l

RT: 4.09 min Scan# 411

Delta R.T. 0.01 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

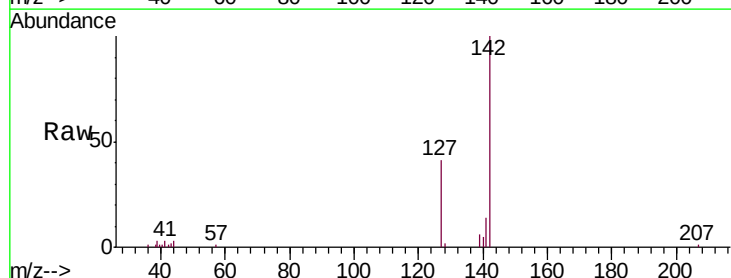
Tgt Ion:142 Resp: 30127

Ion Ratio Lower Upper

142 100

127 39.0 30.0 45.0

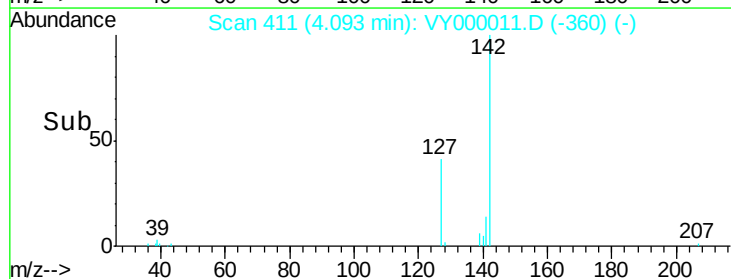
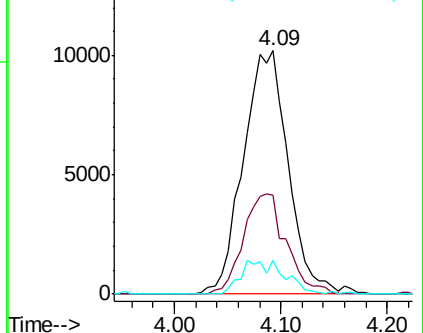
141 13.2 11.0 16.4

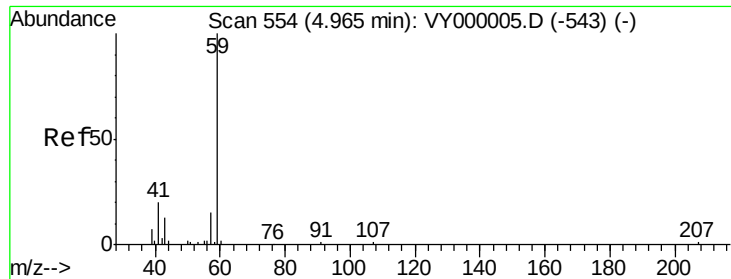


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

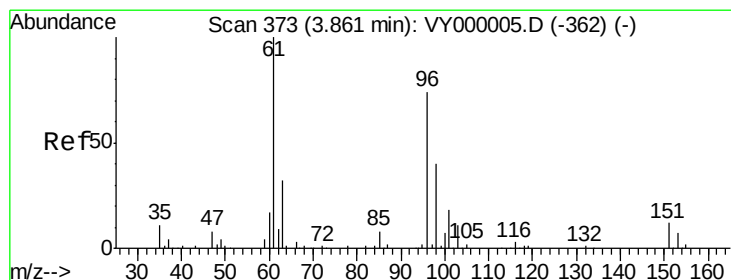
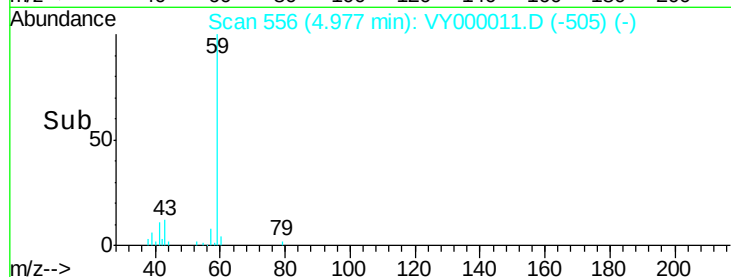
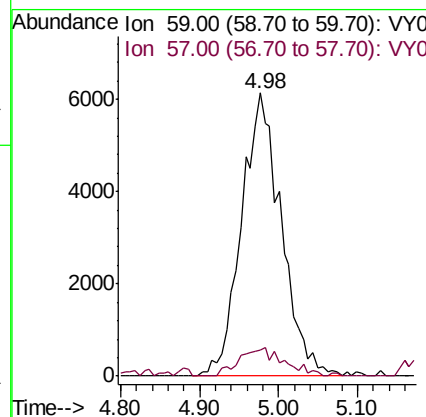
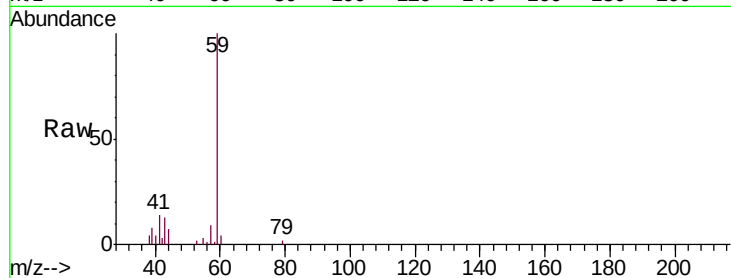




#11
Tert butyl alcohol
Concen: 129.101 ug/l
RT: 4.98 min Scan# 556
Delta R.T. 0.01 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

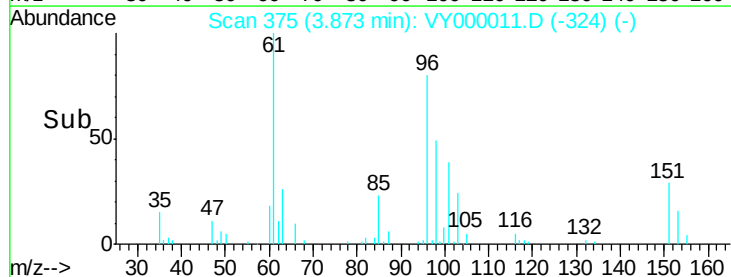
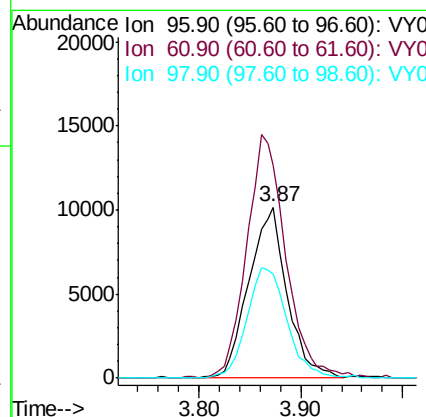
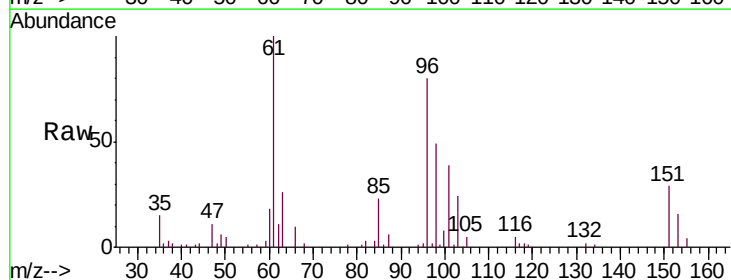
Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBSD01

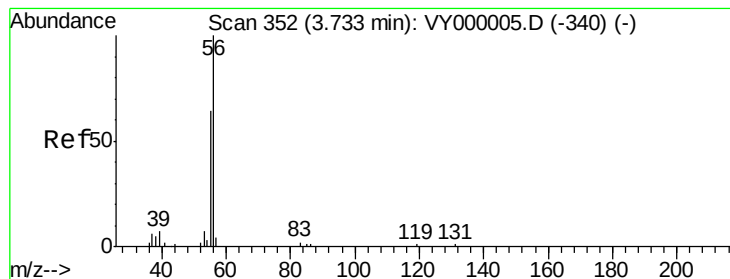
Tgt Ion: 59 Resp: 21541
Ion Ratio Lower Upper
59 100
57 11.2 8.9 13.3



#12
1,1-Dichloroethene
Concen: 20.944 ug/l
RT: 3.87 min Scan# 375
Delta R.T. 0.01 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion: 96 Resp: 26510
Ion Ratio Lower Upper
96 100
61 123.7 108.1 162.1
98 61.2 42.8 64.2





#13

Acrolein

Concen: 148.207 ug/l

RT: 3.73 min Scan# 351

Delta R.T. -0.01 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

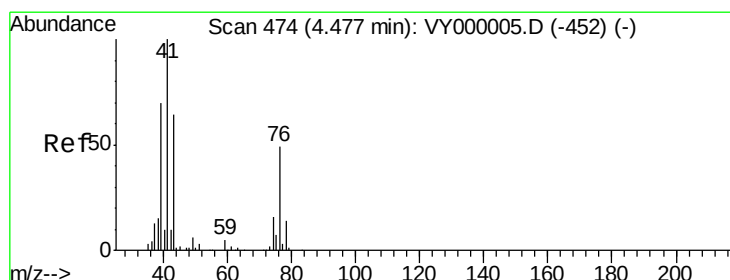
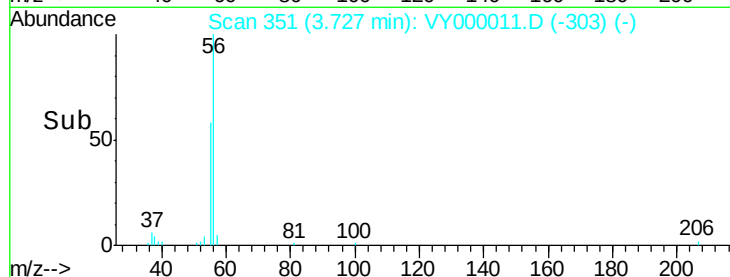
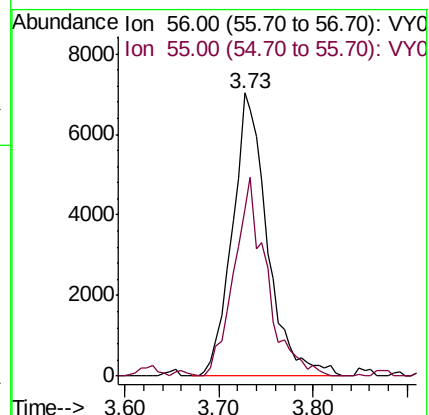
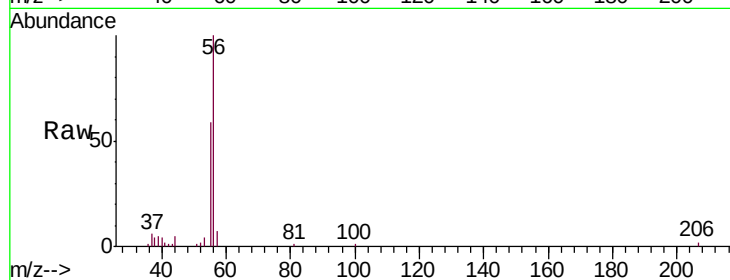
VY0911SBS01

Tgt Ion: 56 Resp: 18154

Ion Ratio Lower Upper

56 100

55 65.9 53.3 79.9



#14

Allyl chloride

Concen: 21.332 ug/l

RT: 4.48 min Scan# 474

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

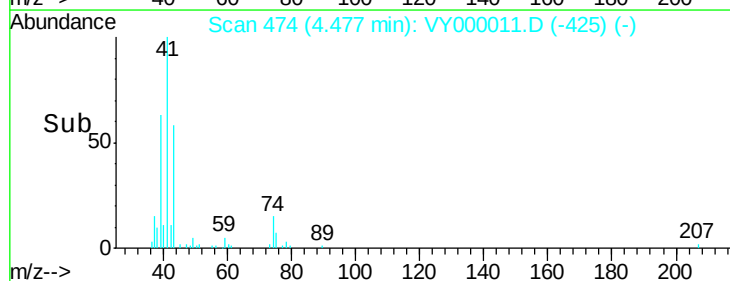
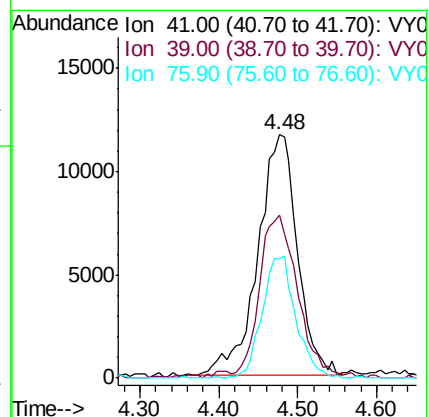
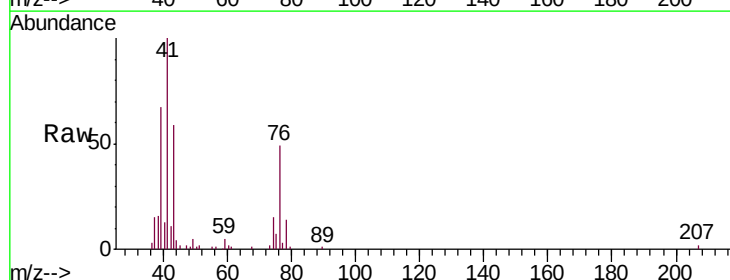
Tgt Ion: 41 Resp: 41077

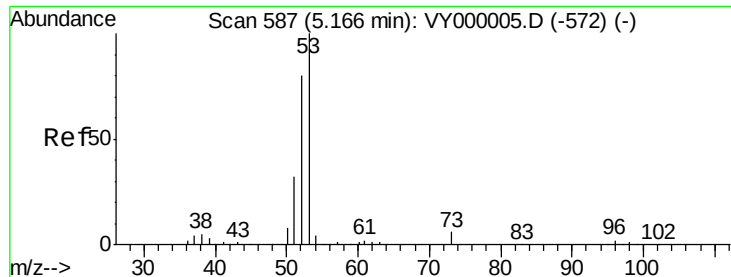
Ion Ratio Lower Upper

41 100

39 62.4 52.4 78.6

76 42.4 33.3 49.9





#15

Acrylonitrile

Concen: 113.580 ug/l

RT: 5.17 min Scan# 587

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0911SBS01

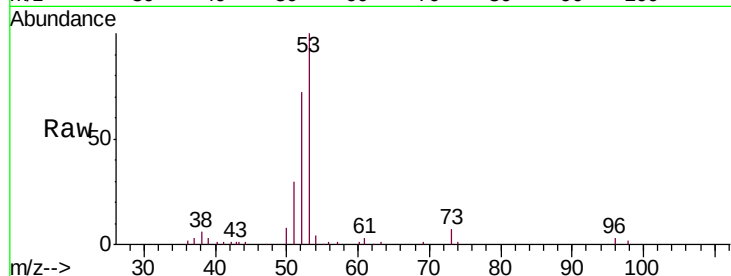
Tgt Ion: 53 Resp: 57096

Ion Ratio Lower Upper

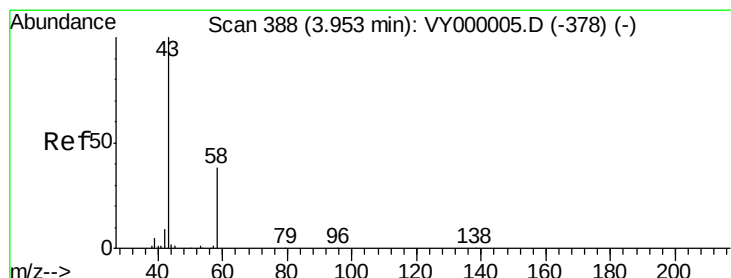
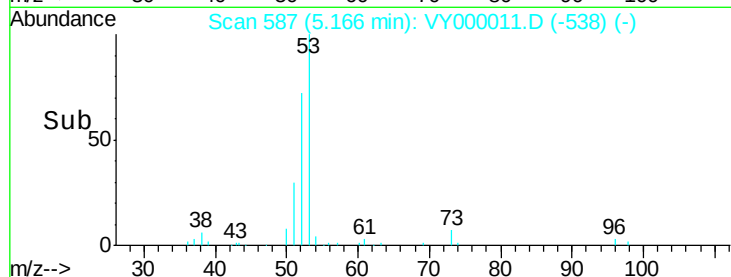
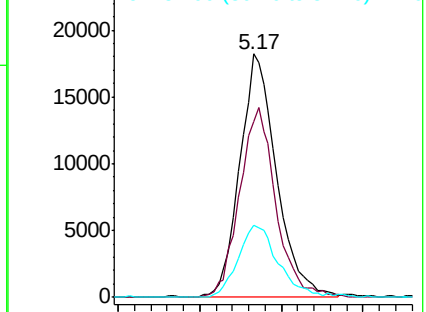
53 100

52 76.9 64.4 96.6

51 32.6 27.1 40.7



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: 98.847 ug/l

RT: 3.95 min Scan# 387

Delta R.T. -0.01 min

Lab File: VY000011.D

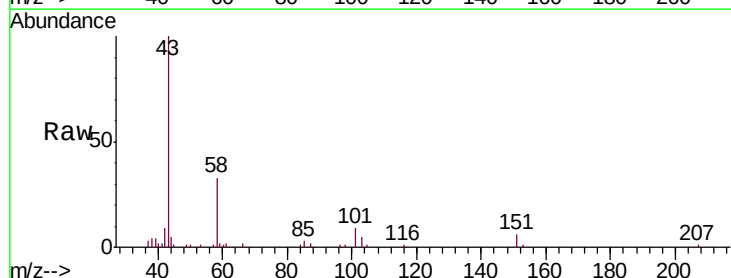
Acq: 11 Sep 2019 20:21

Tgt Ion: 43 Resp: 38262

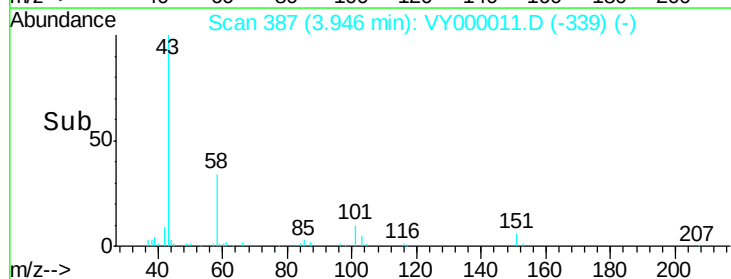
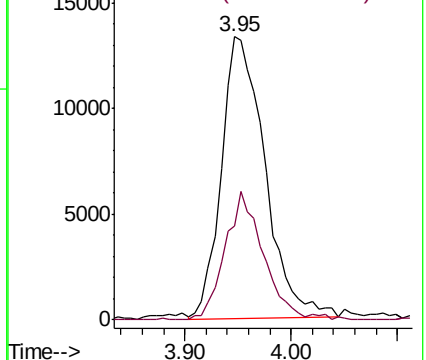
Ion Ratio Lower Upper

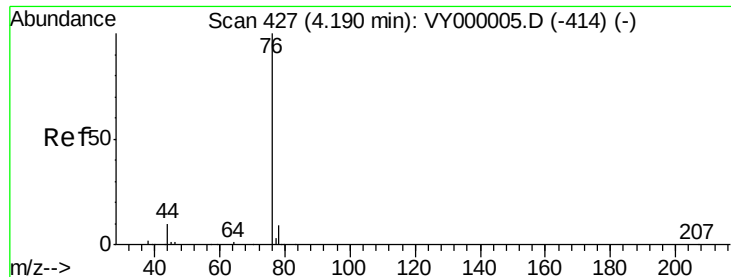
43 100

58 33.6 30.5 45.7



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

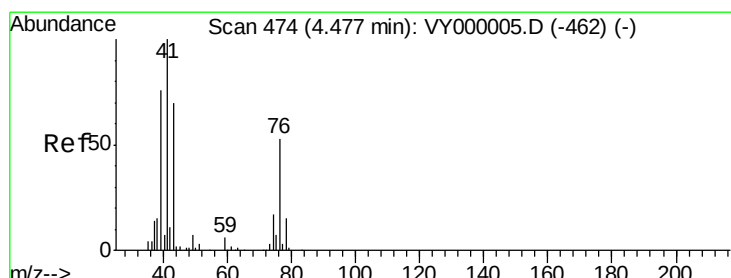
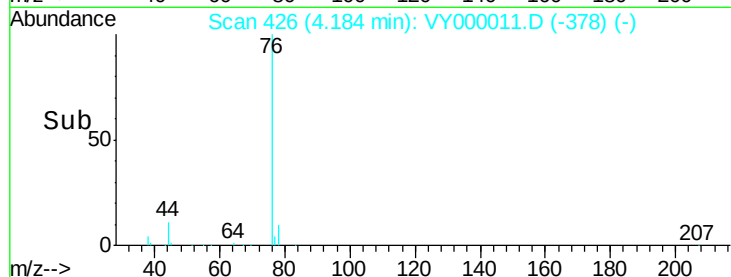
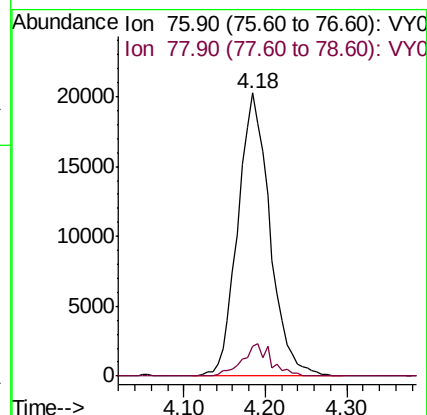
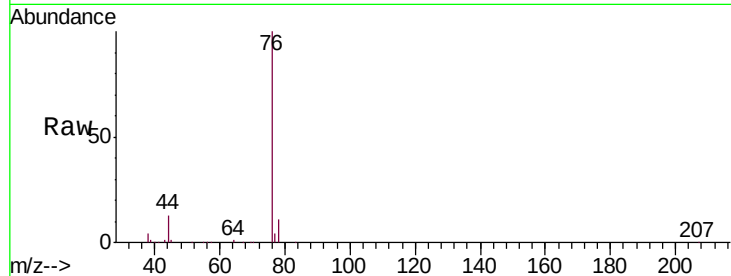




#17
Carbon Disulfide
Concen: 21.291 ug/l
RT: 4.18 min Scan# 426
Delta R.T. -0.01 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

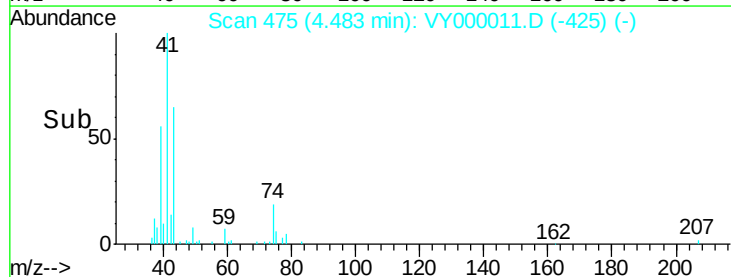
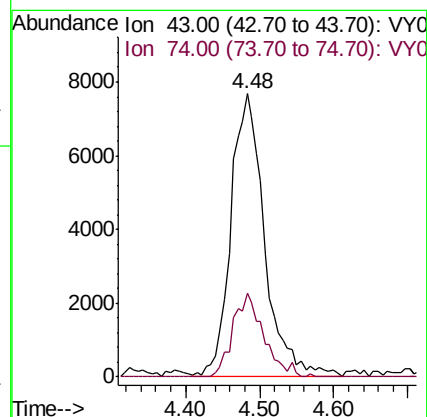
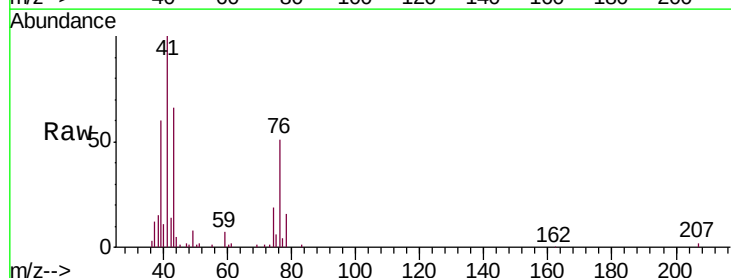
Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBSD01

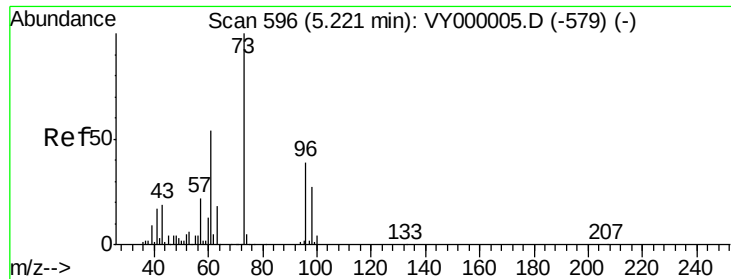
Tgt Ion: 76 Resp: 55008
Ion Ratio Lower Upper
76 100
78 10.6 7.2 10.8



#18
Methyl Acetate
Concen: 20.884 ug/l
RT: 4.48 min Scan# 475
Delta R.T. 0.01 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion: 43 Resp: 24397
Ion Ratio Lower Upper
43 100
74 26.9 21.4 32.2

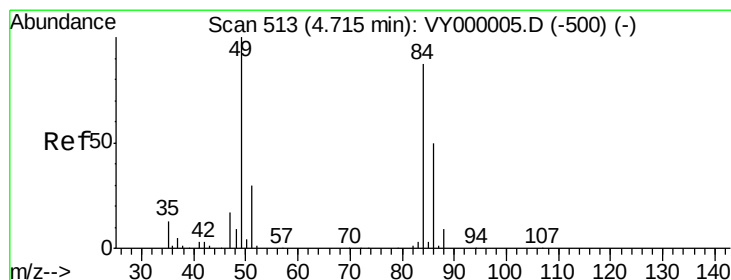
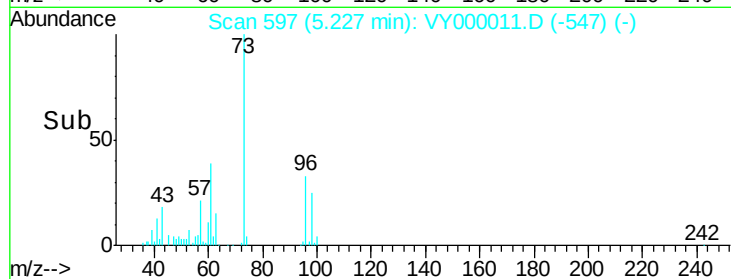
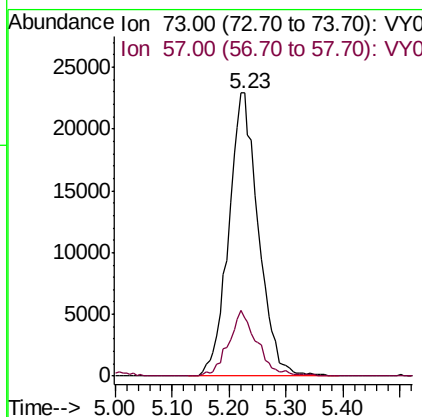
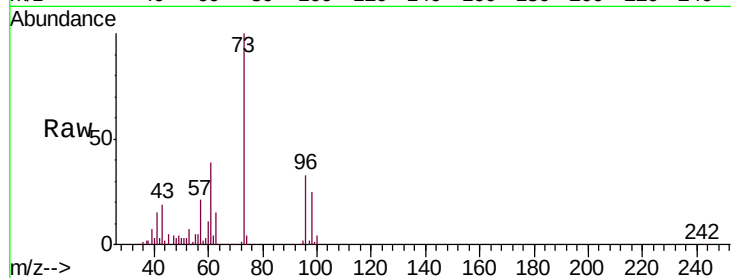




#19
Methyl tert-butyl Ether
Concen: 23.408 ug/l
RT: 5.23 min Scan# 597
Delta R.T. 0.01 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

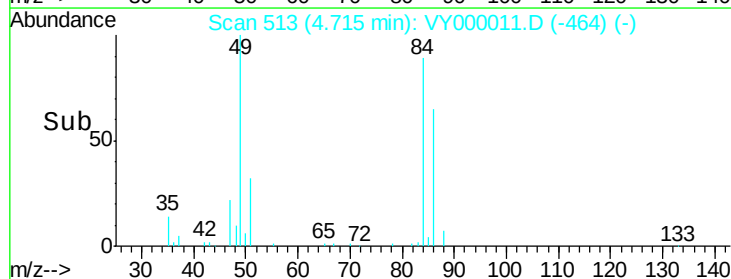
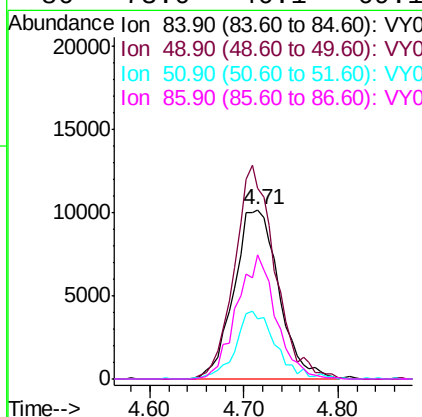
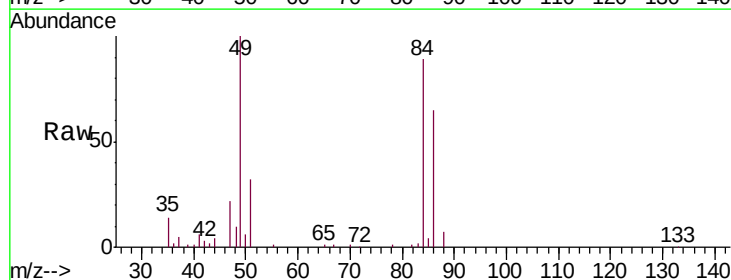
Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBSD01

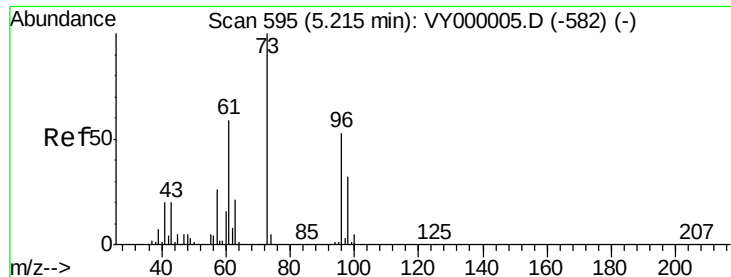
Tgt Ion: 73 Resp: 83464
Ion Ratio Lower Upper
73 100
57 20.5 18.2 27.4



#20
Methylene Chloride
Concen: 21.588 ug/l
RT: 4.71 min Scan# 513
Delta R.T. 0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion: 84 Resp: 33893
Ion Ratio Lower Upper
84 100
49 112.8 91.7 137.5
51 35.8 28.0 42.0
86 73.0 46.1 69.1#





#21

trans-1,2-Dichloroethene

Concen: 21.172 ug/l

RT: 5.21 min Scan# 594

Delta R.T. -0.01 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0911SBSD01

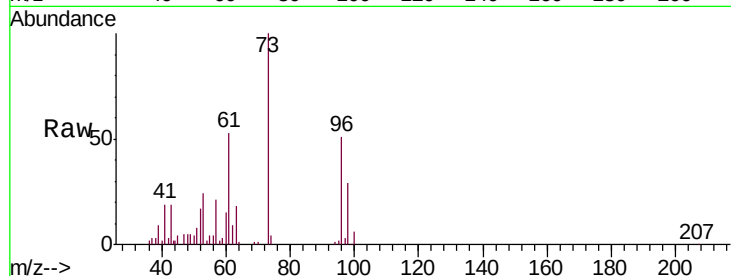
Tgt Ion: 96 Resp: 28876

Ion Ratio Lower Upper

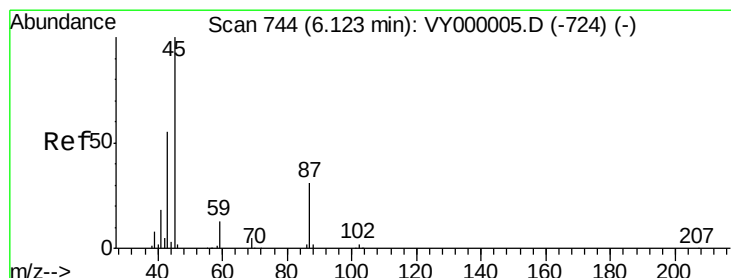
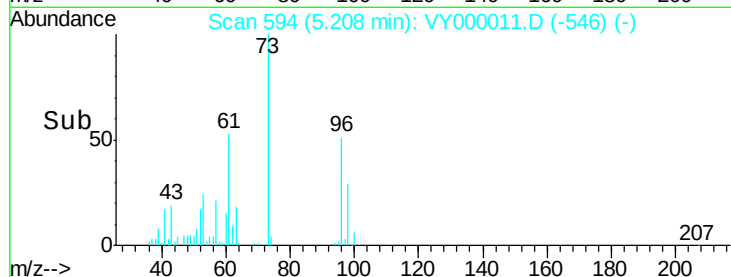
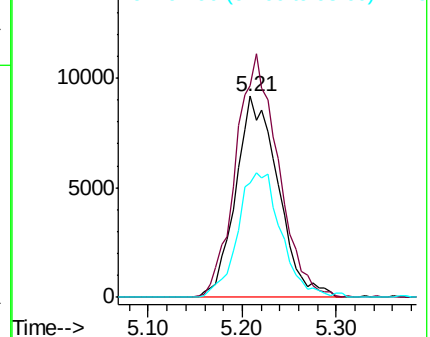
96 100

61 105.2 89.4 134.2

98 57.1 48.6 73.0



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



#22

Diisopropyl ether

Concen: 21.522 ug/l

RT: 6.12 min Scan# 744

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Tgt Ion: 45 Resp: 90099

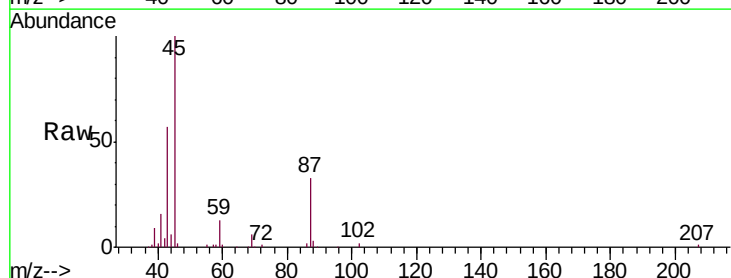
Ion Ratio Lower Upper

45 100

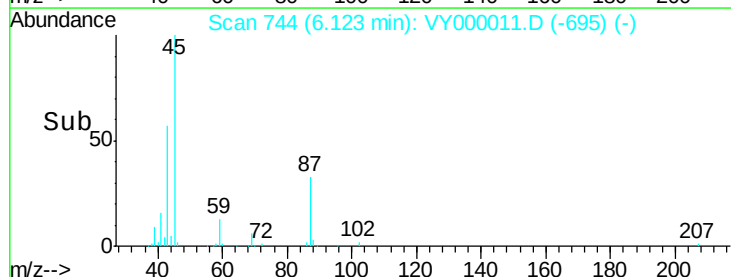
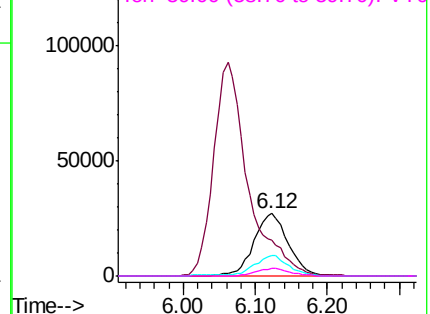
43 55.9 45.2 67.8

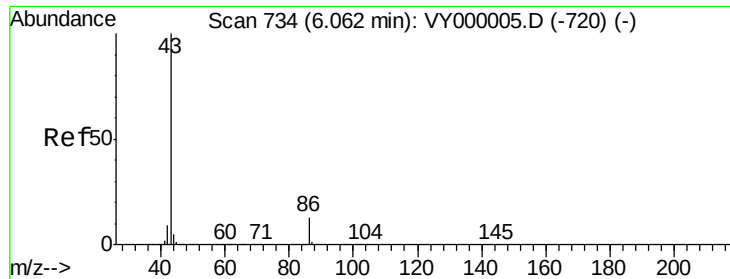
87 32.6 25.3 37.9

59 12.9 10.6 15.8



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





#23

Vinyl Acetate

Concen: 108.631 ug/l

RT: 6.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

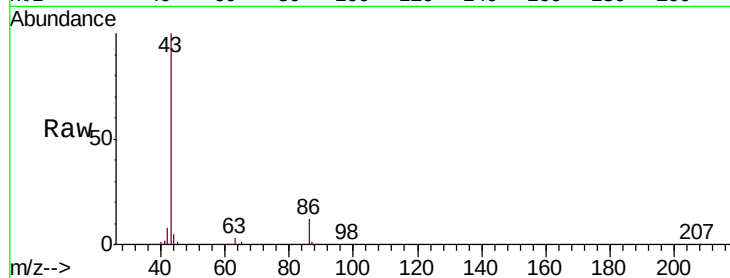
VY0911SBSD01

Tgt Ion: 43 Resp: 308295

Ion Ratio Lower Upper

43 100

86 12.5 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.06

100000

80000

60000

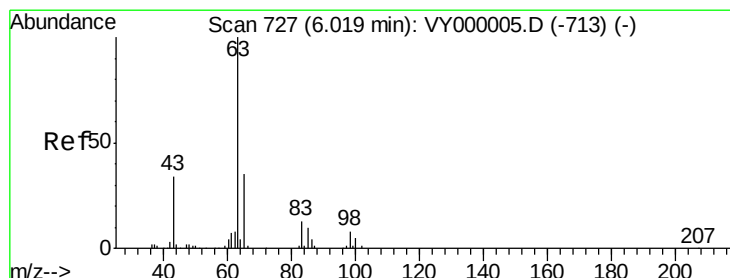
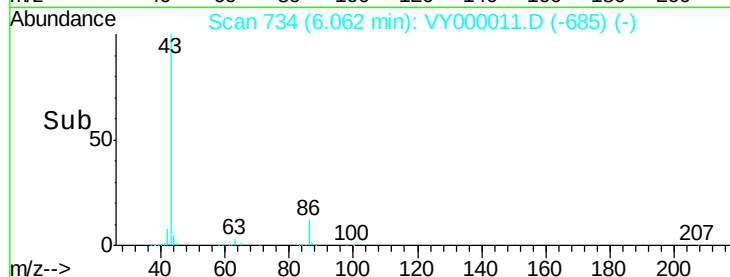
40000

20000

0

Time-->

5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 22.430 ug/l

RT: 6.02 min Scan# 727

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

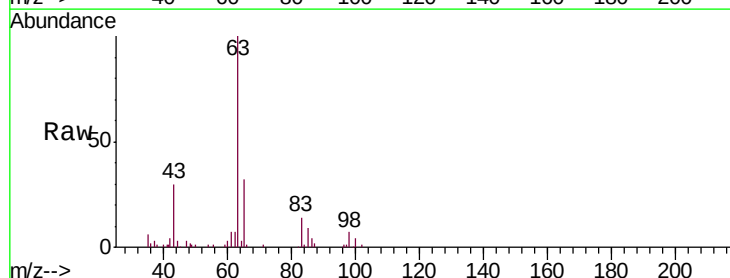
Tgt Ion: 63 Resp: 56244

Ion Ratio Lower Upper

63 100

98 7.1 4.0 12.0

100 3.9 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

6.02

20000

15000

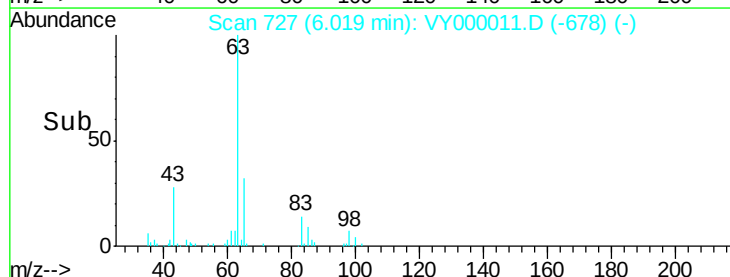
10000

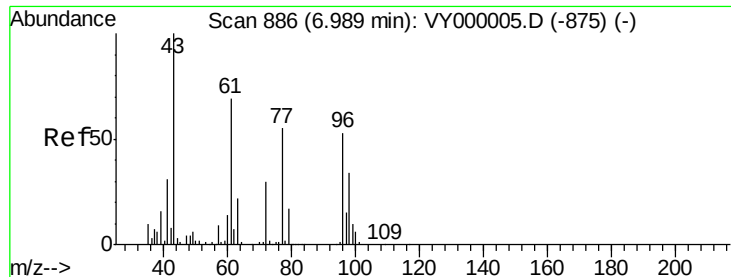
5000

0

Time-->

5.90 6.00 6.10





#25

2-Butanone

Concen: 109.291 ug/l

RT: 6.99 min Scan# 887

Delta R.T. 0.01 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

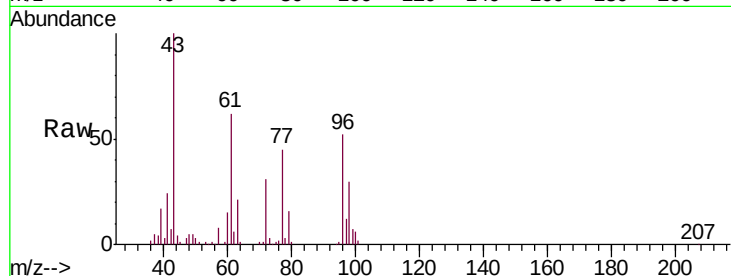
VY0911SBS01

Tgt Ion: 43 Resp: 66799

Ion Ratio Lower Upper

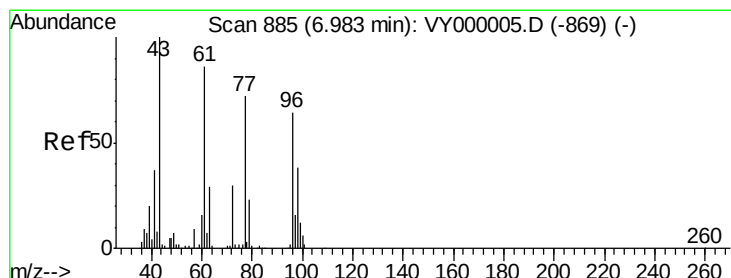
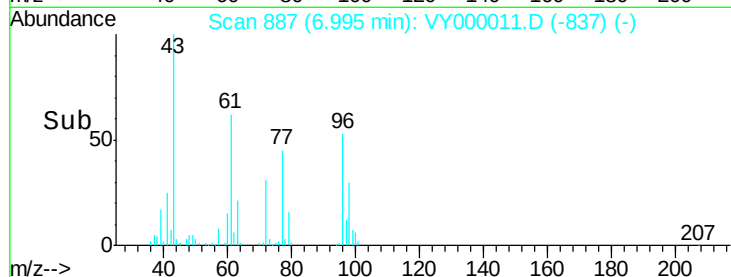
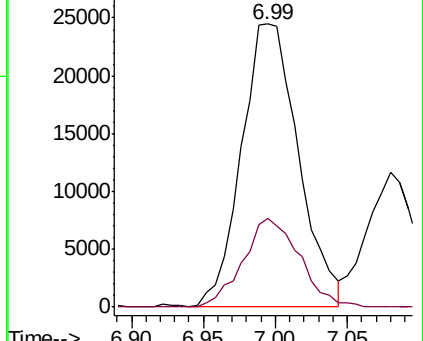
43 100

72 31.4 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 20.680 ug/l

RT: 6.98 min Scan# 885

Delta R.T. -0.00 min

Lab File: VY000011.D

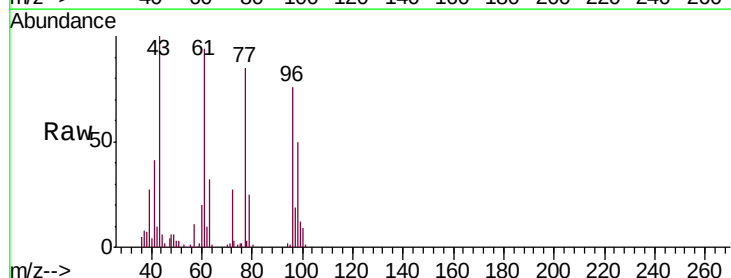
Acq: 11 Sep 2019 20:21

Tgt Ion: 77 Resp: 44340

Ion Ratio Lower Upper

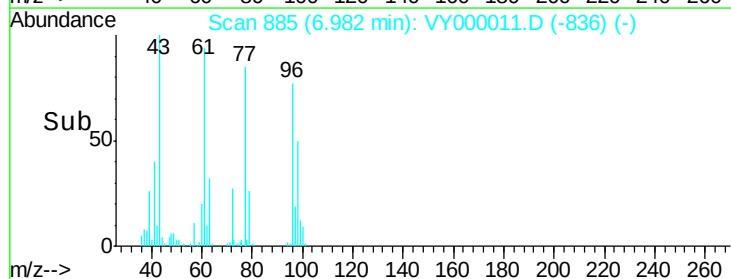
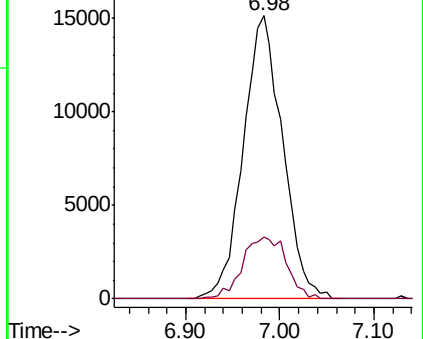
77 100

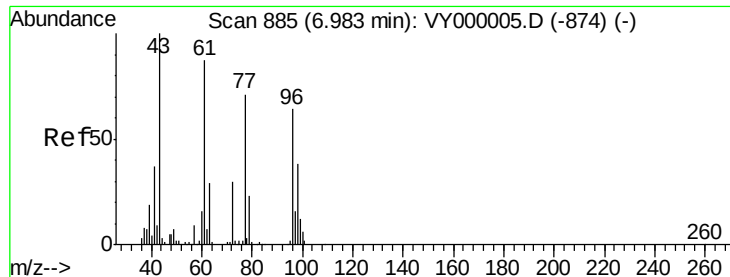
97 24.3 12.6 37.6



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



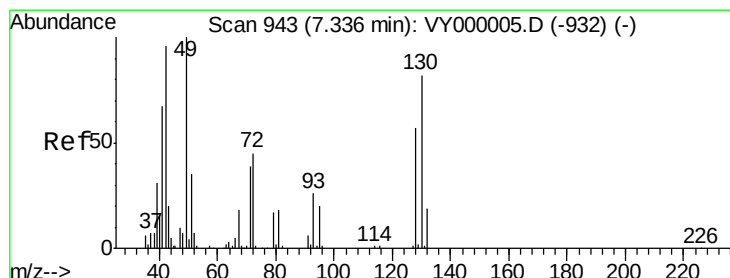
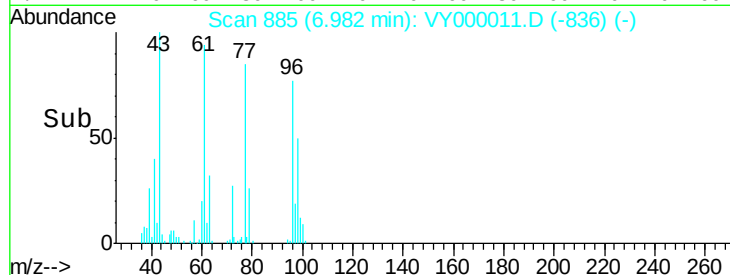
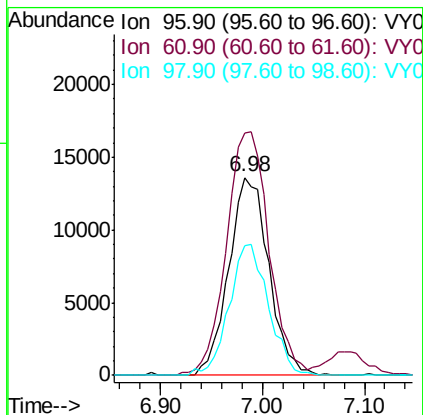
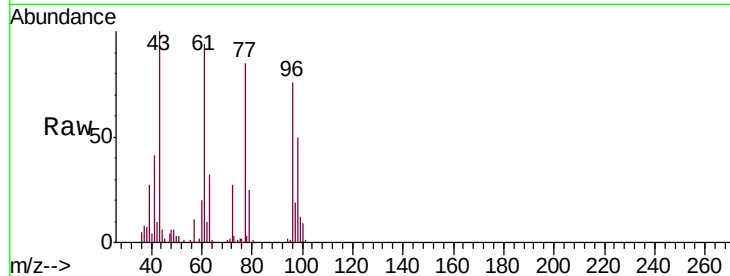


#27

cis-1,2-Dichloroethene
Concen: 21.660 ug/l
RT: 6.98 min Scan# 885
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBS01

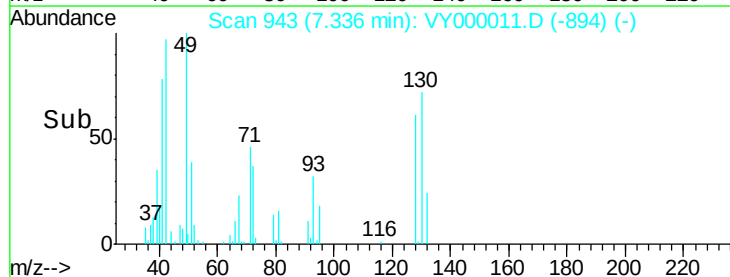
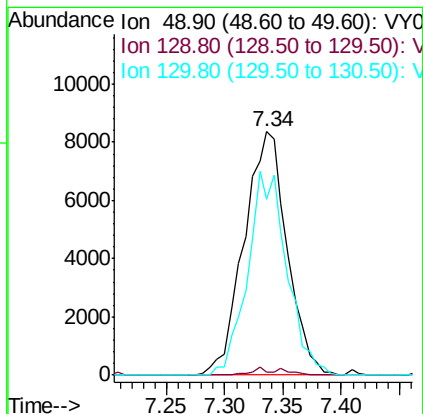
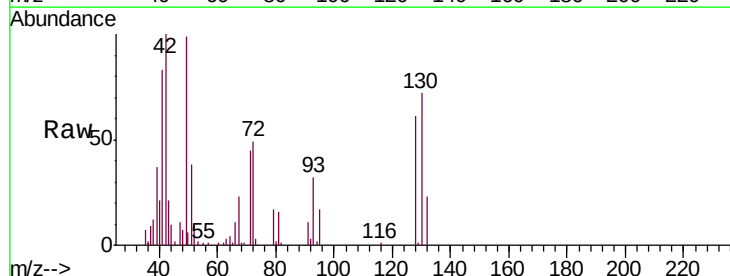
Tgt Ion: 96 Resp: 37063
Ion Ratio Lower Upper
96 100
61 130.7 0.0 259.0
98 64.9 0.0 129.8

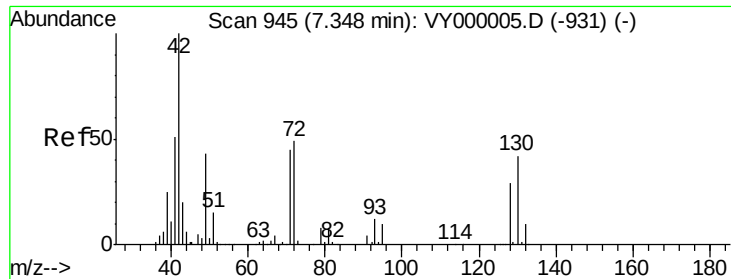


#28

Bromochloromethane
Concen: 18.573 ug/l
RT: 7.34 min Scan# 943
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion: 49 Resp: 21459
Ion Ratio Lower Upper
49 100
129 1.2 0.0 4.6
130 76.0 65.3 97.9

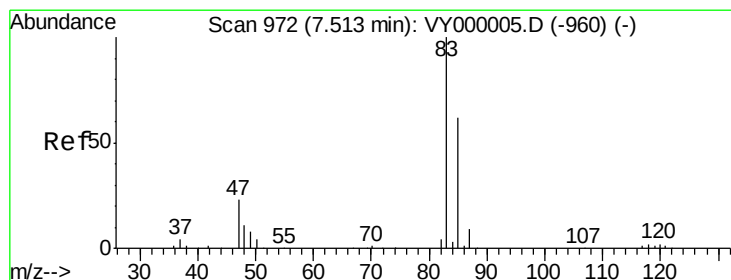
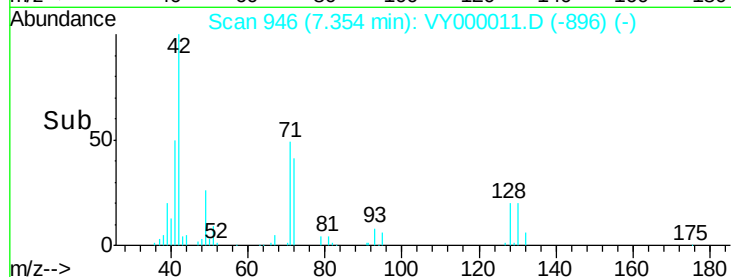
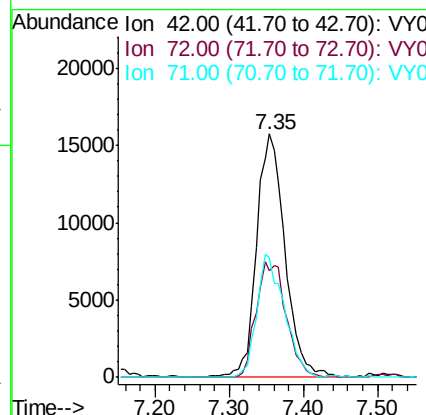
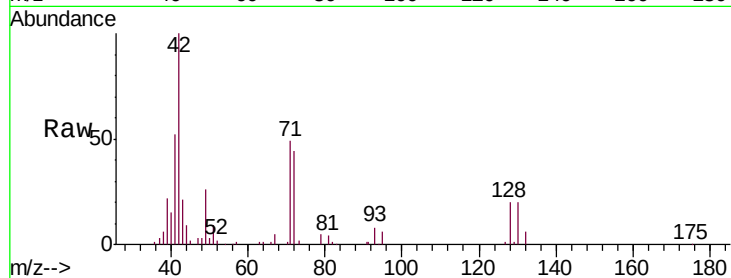




#29
Tetrahydrofuran
Concen: 110.910 ug/l
RT: 7.35 min Scan# 946
Delta R.T. 0.01 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

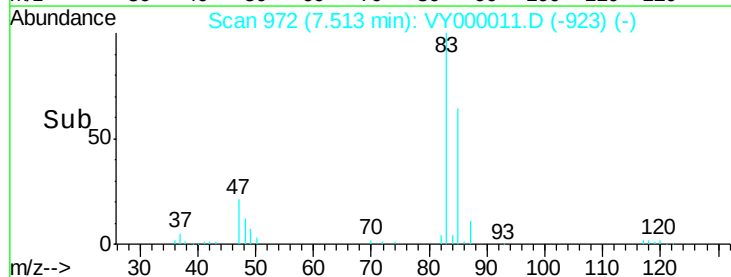
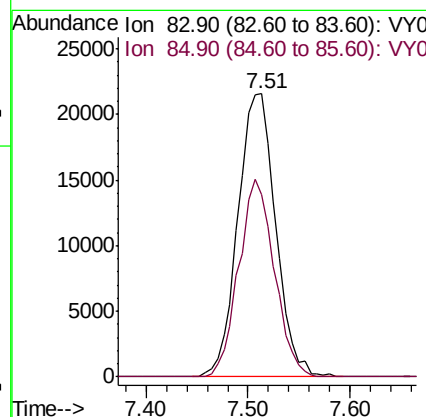
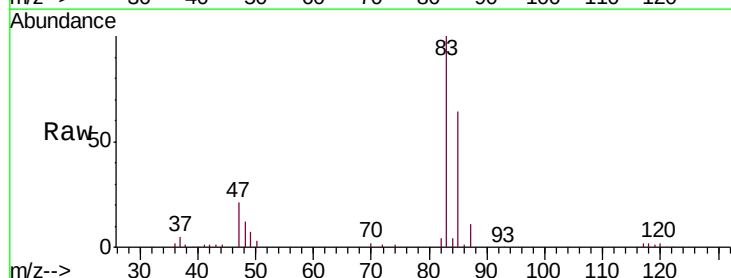
Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBS01

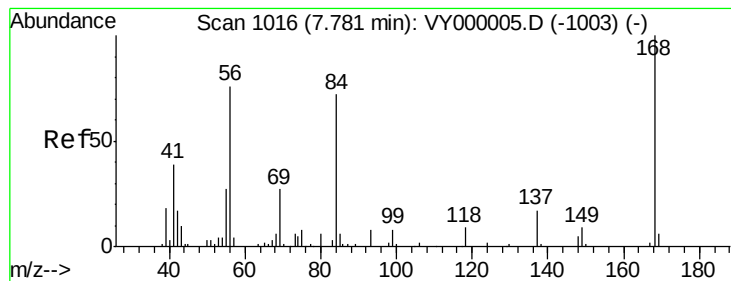
Tgt Ion: 42 Resp: 42349
Ion Ratio Lower Upper
42 100
72 49.9 39.2 58.8
71 48.5 36.4 54.6



#30
Chloroform
Concen: 21.854 ug/l
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion: 83 Resp: 55469
Ion Ratio Lower Upper
83 100
85 64.2 49.4 74.0





#31

Cyclohexane

Concen: 21.826 ug/l

RT: 7.78 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0911SBSD01

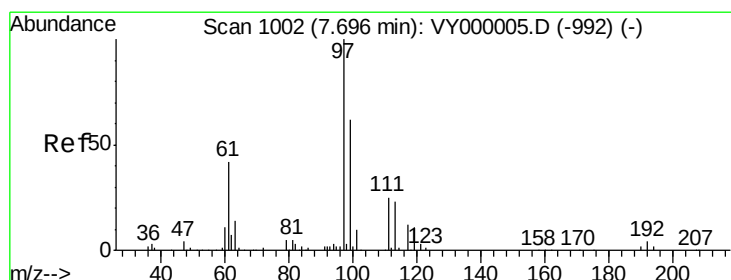
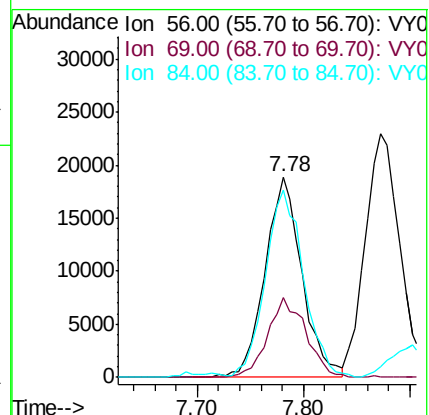
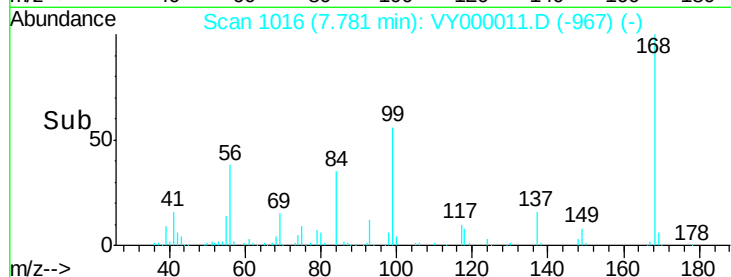
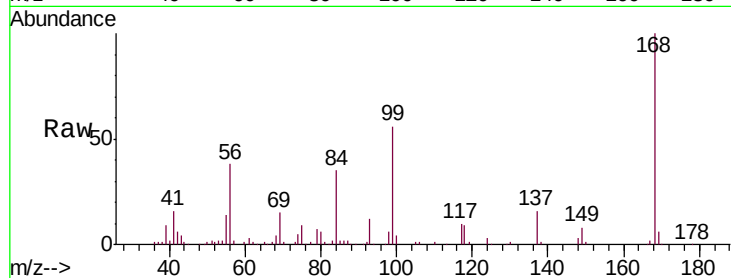
Tgt Ion: 56 Resp: 45768

Ion Ratio Lower Upper

56 100

69 39.6 28.5 42.7

84 92.0 76.4 114.6



#32

1,1,1-Trichloroethane

Concen: 21.624 ug/l

RT: 7.70 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

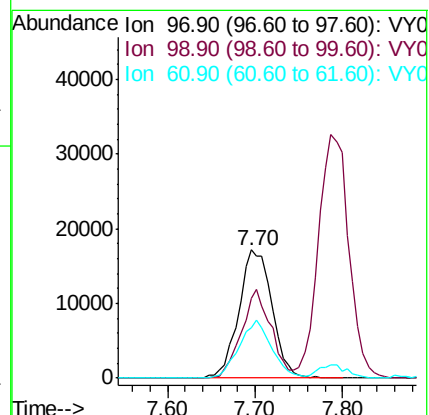
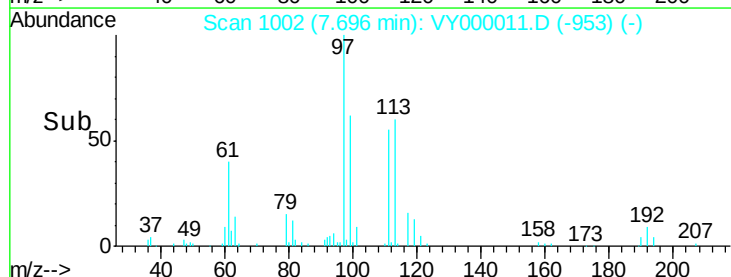
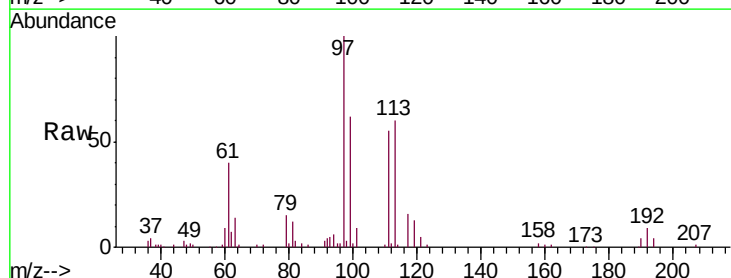
Tgt Ion: 97 Resp: 45303

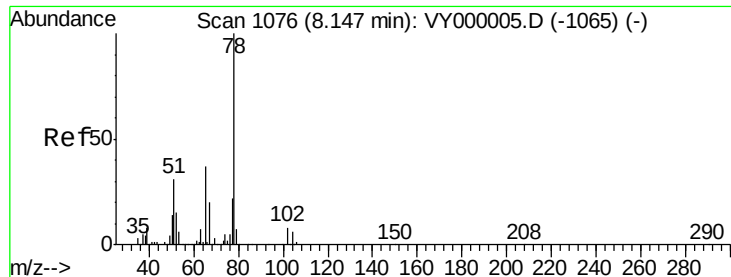
Ion Ratio Lower Upper

97 100

99 60.8 50.3 75.5

61 44.1 35.0 52.4





#33

1,2-Dichloroethane-d4

Concen: 54.820 ug/l

RT: 8.14 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

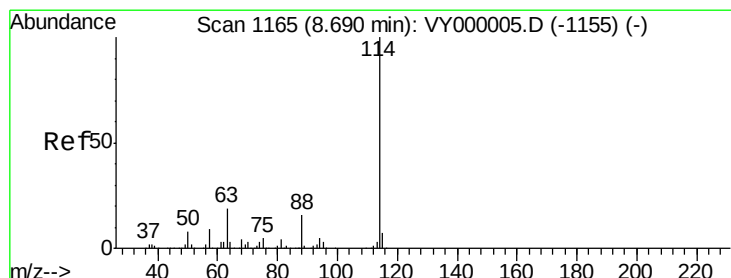
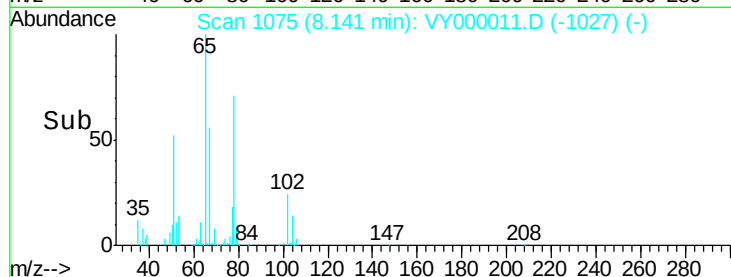
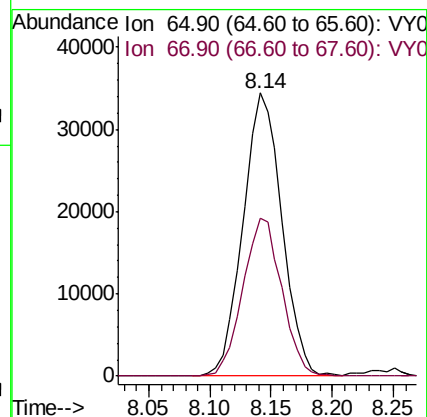
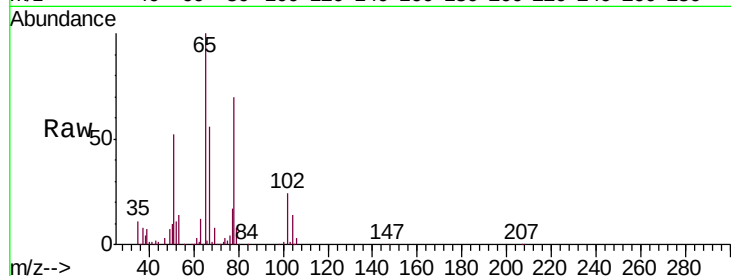
VY0911SBS01

Tgt Ion: 65 Resp: 76052

Ion Ratio Lower Upper

65 100

67 55.5 0.0 111.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1165

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

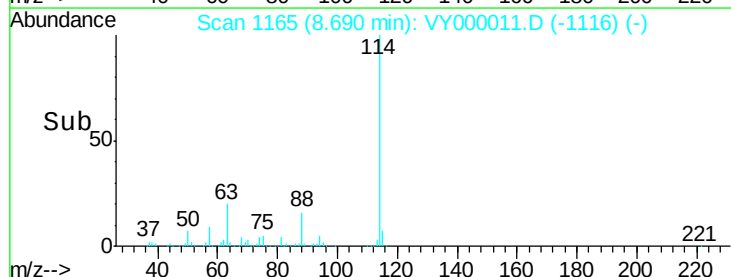
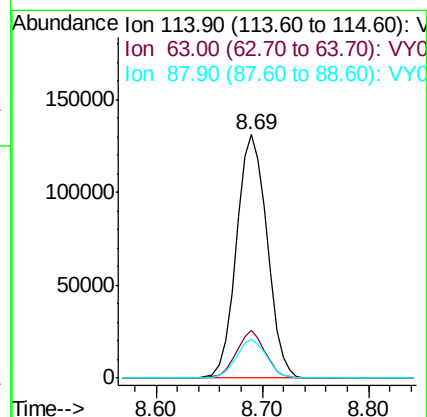
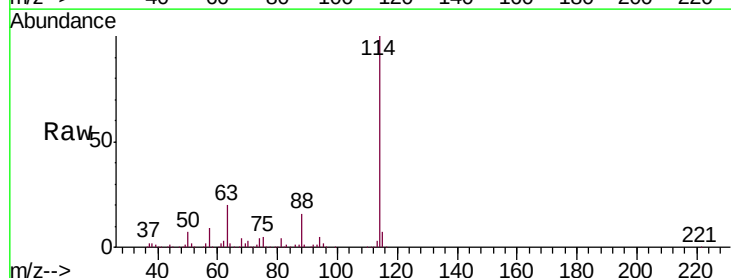
Tgt Ion: 114 Resp: 265251

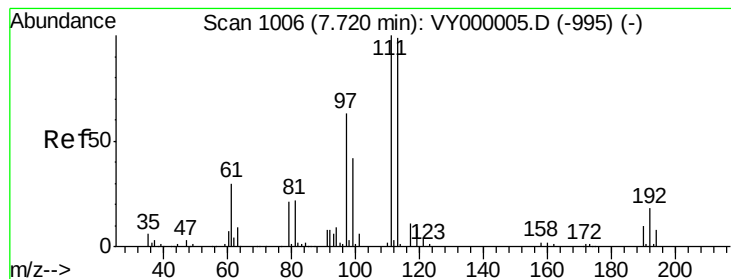
Ion Ratio Lower Upper

114 100

63 19.5 0.0 37.4

88 15.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.996 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0911SBS01

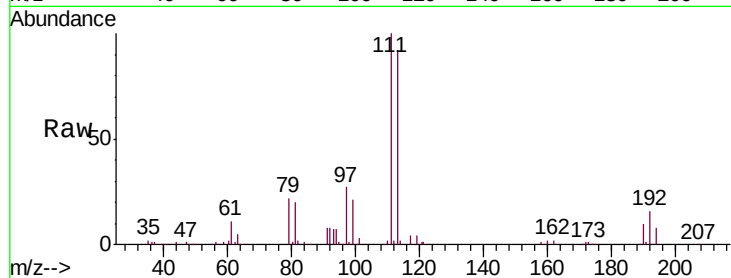
Tgt Ion: 113 Resp: 74133

Ion Ratio Lower Upper

113 100

111 102.6 81.6 122.4

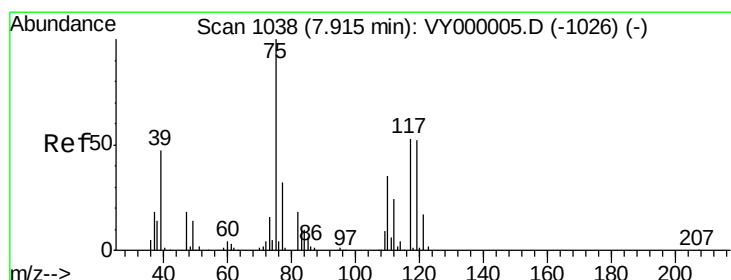
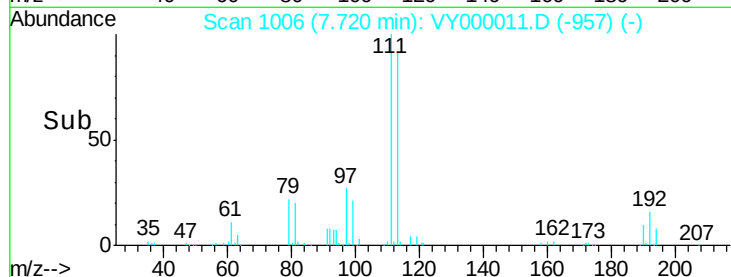
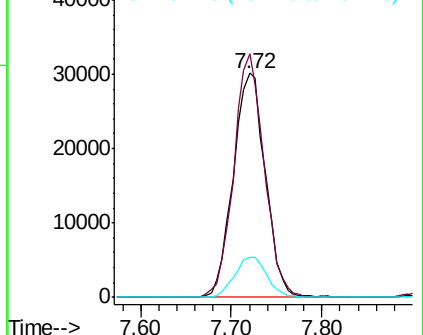
192 17.8 15.2 22.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.214 ug/l

RT: 7.92 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

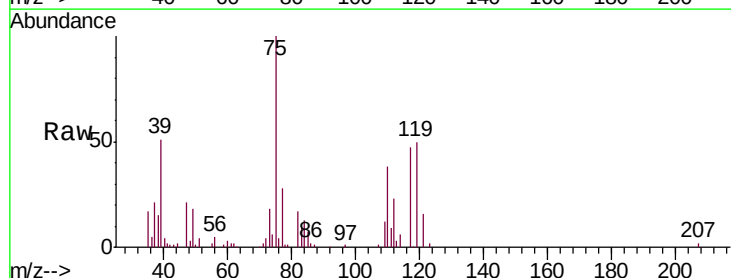
Tgt Ion: 75 Resp: 38758

Ion Ratio Lower Upper

75 100

110 36.2 18.7 56.1

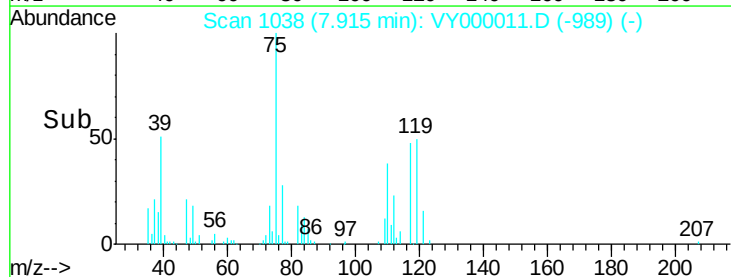
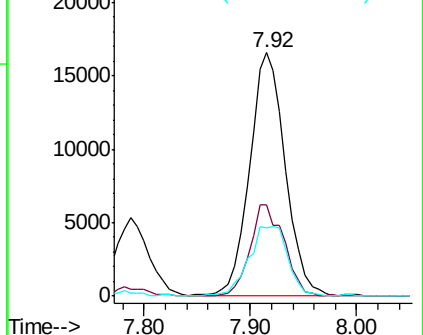
77 31.7 25.6 38.4

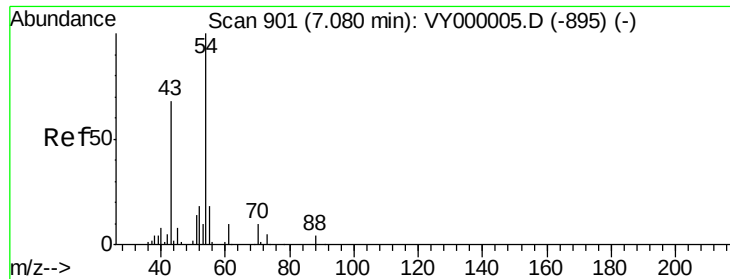


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

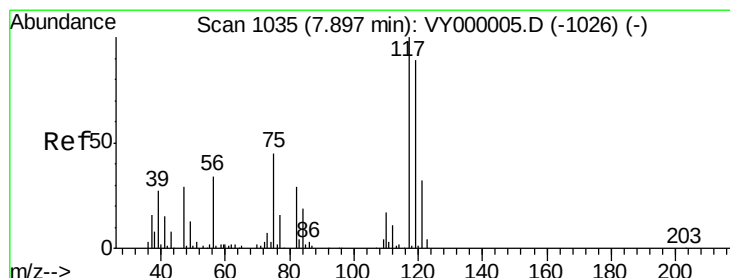
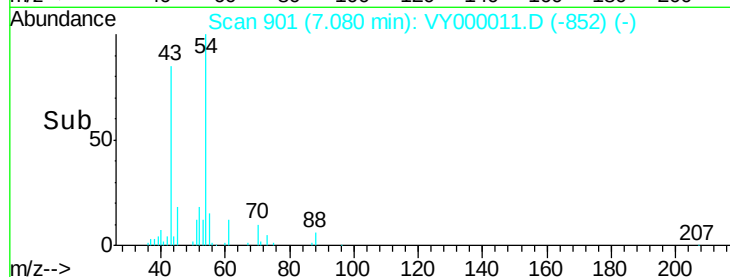
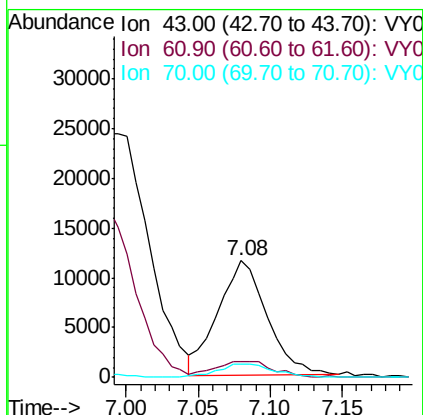
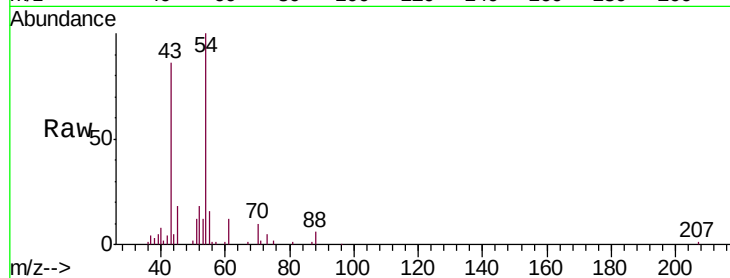




#37
Ethyl Acetate
 Concen: 20.846 ug/l
 RT: 7.08 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VY000011.D
 Acq: 11 Sep 2019 20:21

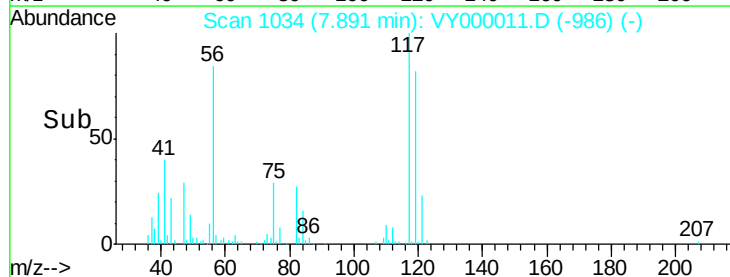
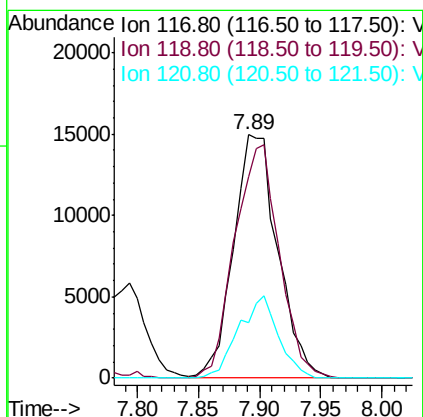
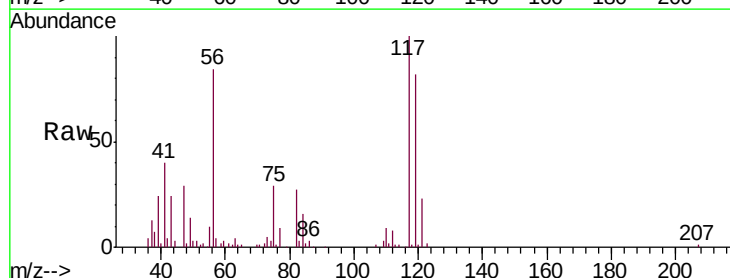
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0911SBSD01

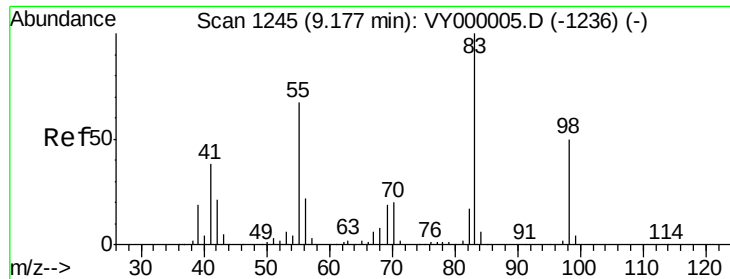
Tgt Ion: 43 Resp: 27335
 Ion Ratio Lower Upper
 43 100
 61 17.0 13.0 19.4
 70 13.9 11.0 16.4



#38
Carbon Tetrachloride
 Concen: 20.499 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: VY000011.D
 Acq: 11 Sep 2019 20:21

Tgt Ion: 117 Resp: 37733
 Ion Ratio Lower Upper
 117 100
 119 82.5 71.5 107.3
 121 22.9 25.3 37.9#

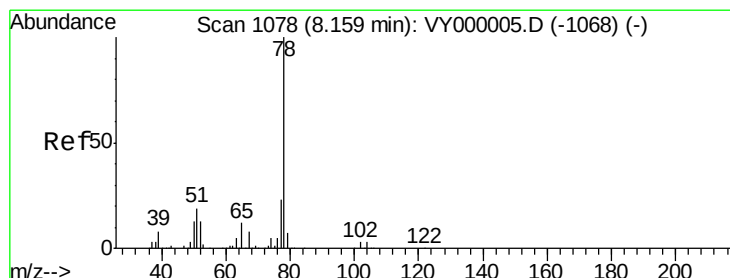
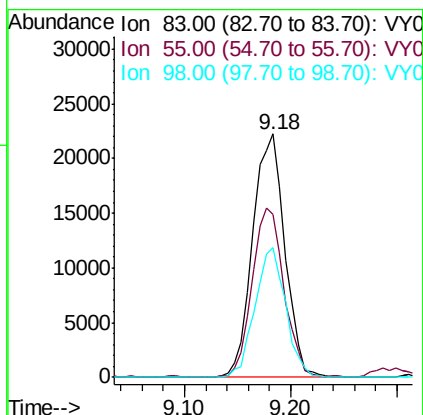
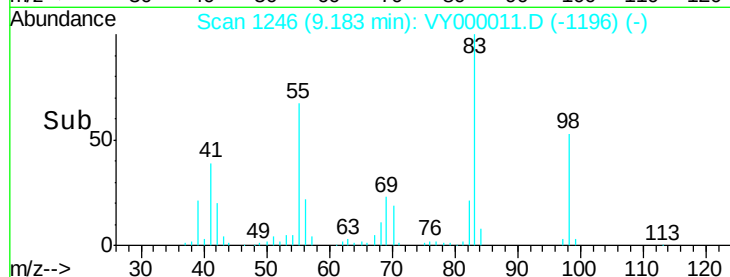
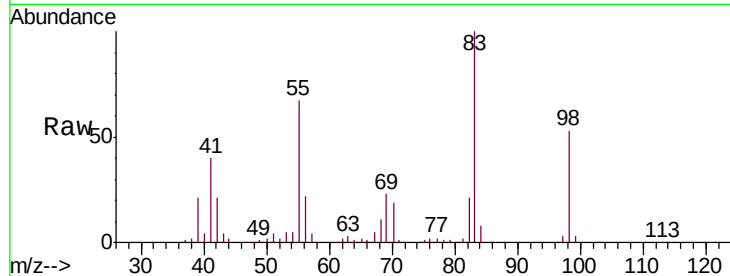




#39
Methylcyclohexane
Concen: 19.939 ug/l
RT: 9.18 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

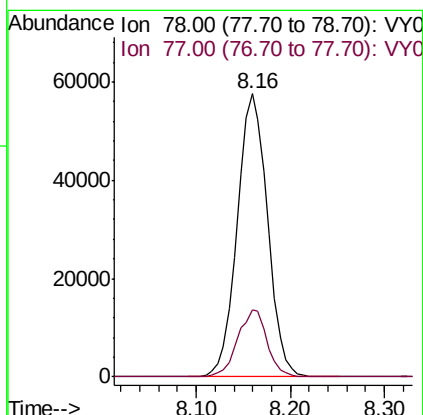
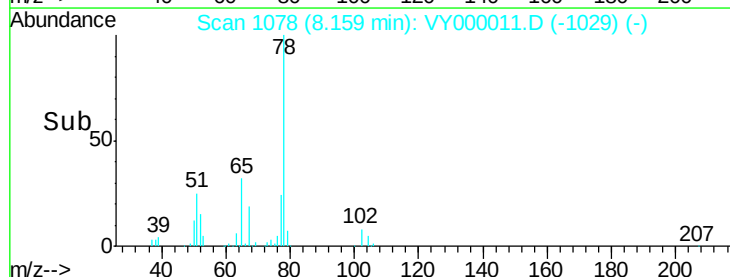
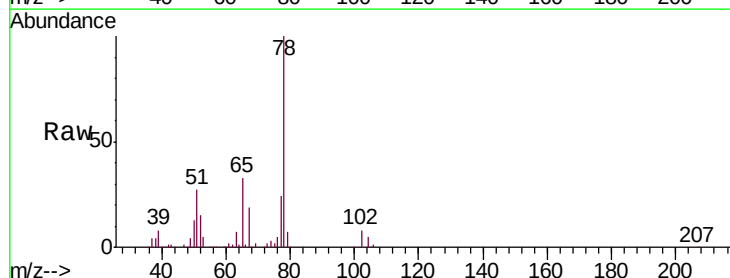
Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBS01

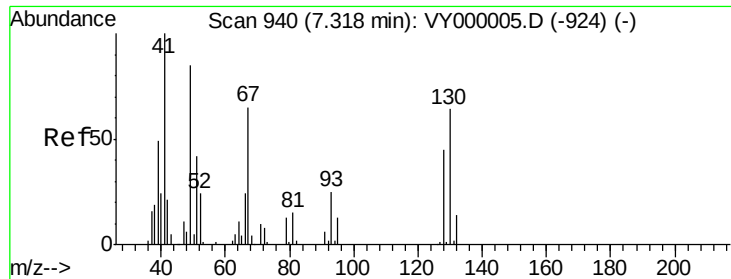
Tgt Ion: 83 Resp: 47132
Ion Ratio Lower Upper
83 100
55 66.8 53.8 80.6
98 53.2 40.0 60.0



#40
Benzene
Concen: 20.964 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion: 78 Resp: 129256
Ion Ratio Lower Upper
78 100
77 23.7 18.0 27.0

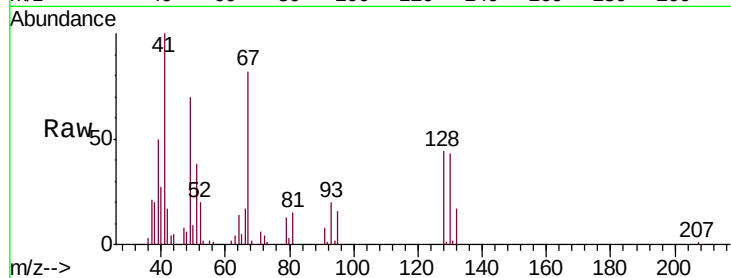




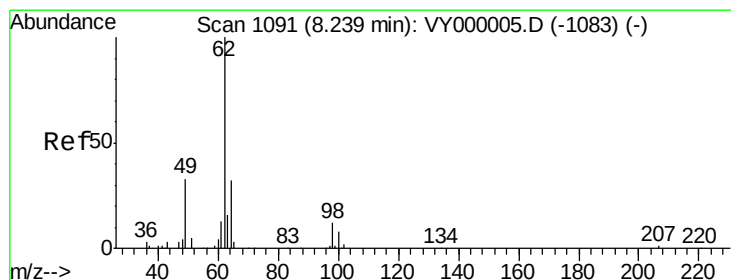
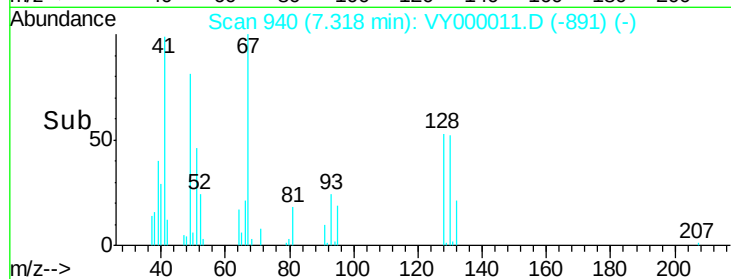
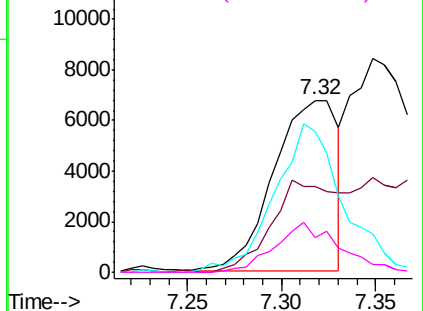
#41
Methacrylonitrile
Concen: 20.243 ug/l
RT: 7.32 min Scan# 940
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBS01

Tgt Ion:	41	Resp:	15911
Ion	Ratio	Lower	Upper
41	100		
39	60.2	48.4	72.6
67	92.3	76.3	114.5
52	29.3	29.0	43.6

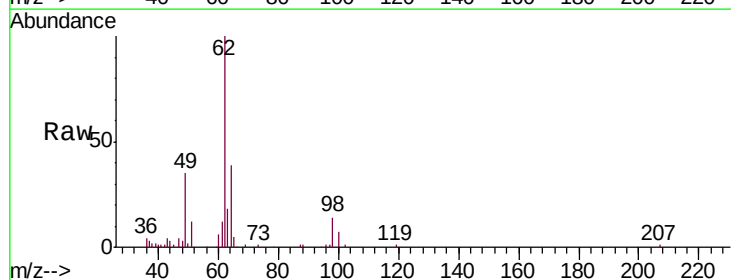


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

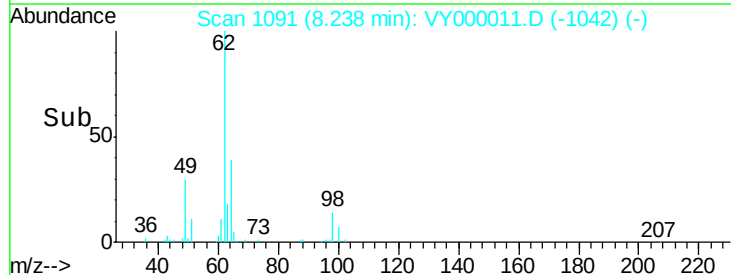
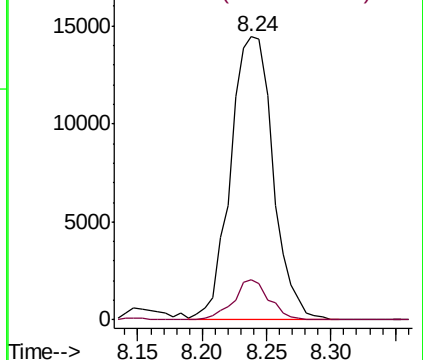


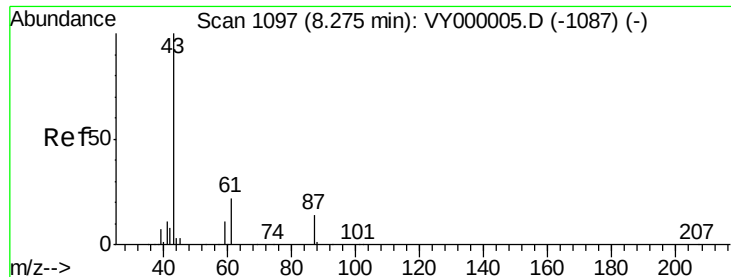
#42
1,2-Dichloroethane
Concen: 20.541 ug/l
RT: 8.24 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion:	62	Resp:	33021
Ion	Ratio	Lower	Upper
62	100		
98	11.8	0.0	24.2



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





#43

Isopropyl Acetate

Concen: 22.373 ug/l

RT: 8.27 min Scan# 1097

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0911SBSD01

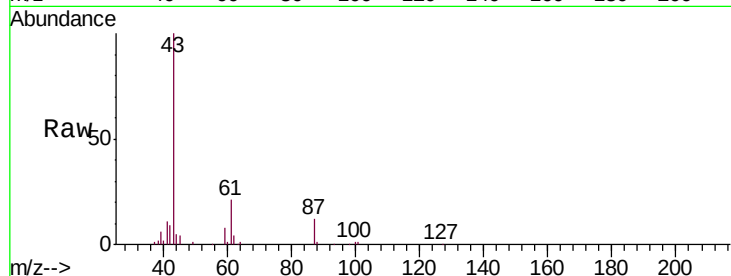
Tgt Ion: 43 Resp: 53928

Ion Ratio Lower Upper

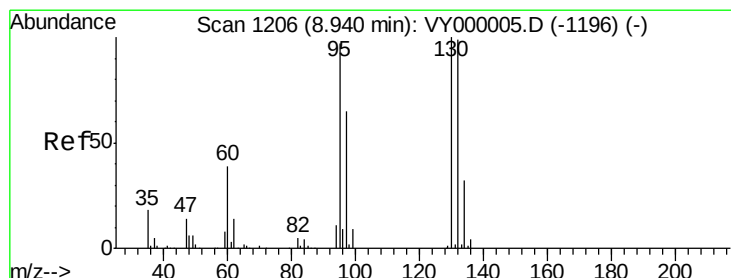
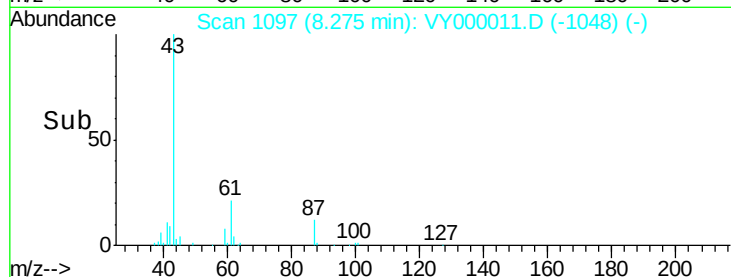
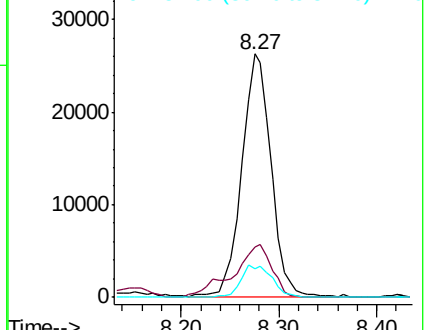
43 100

61 29.1 25.2 37.8

87 14.0 12.6 18.8



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



#44

Trichloroethene

Concen: 20.209 ug/l

RT: 8.93 min Scan# 1205

Delta R.T. -0.01 min

Lab File: VY000011.D

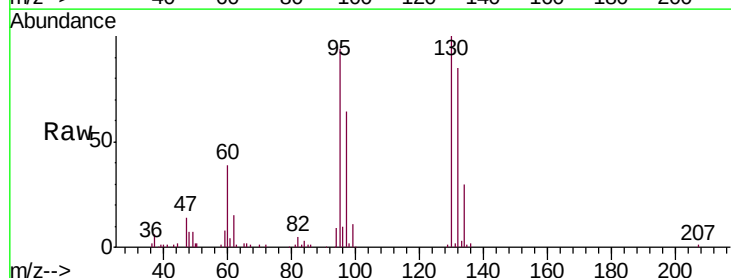
Acq: 11 Sep 2019 20:21

Tgt Ion: 130 Resp: 32057

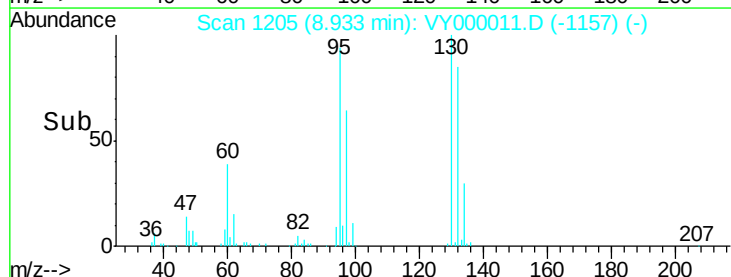
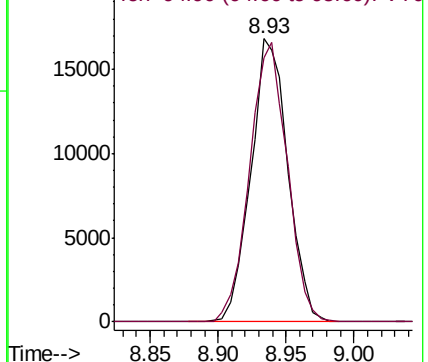
Ion Ratio Lower Upper

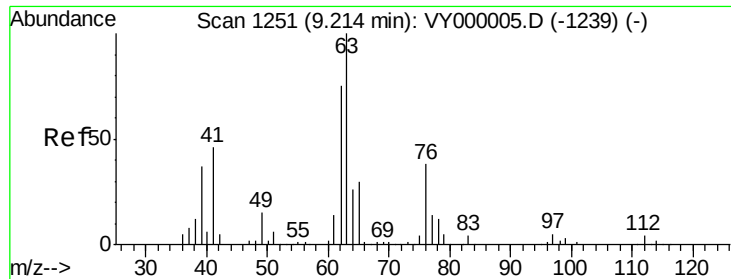
130 100

95 93.5 0.0 194.2



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

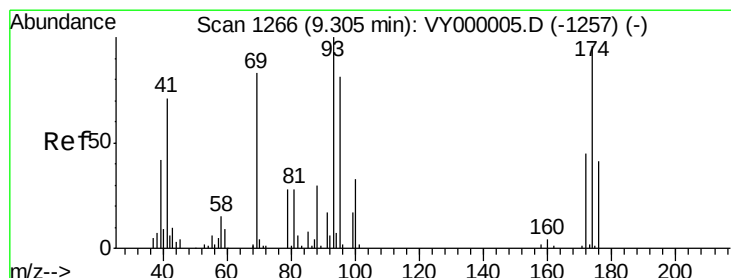
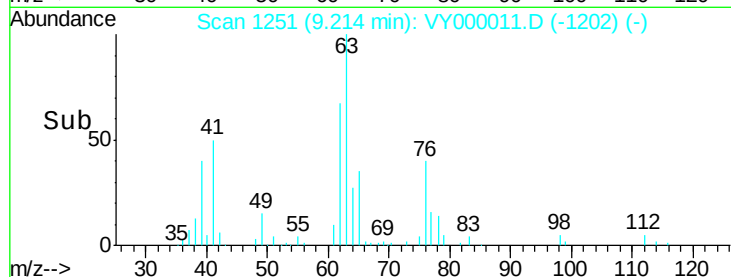
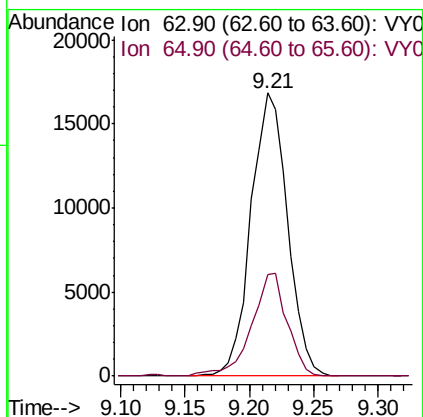
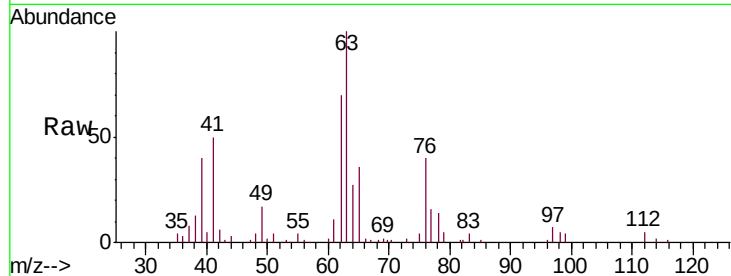




#45
 1,2-Dichloropropane
 Concen: 20.852 ug/l
 RT: 9.21 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VY000011.D
 Acq: 11 Sep 2019 20:21

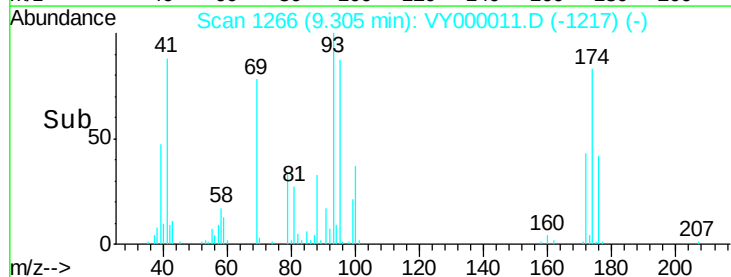
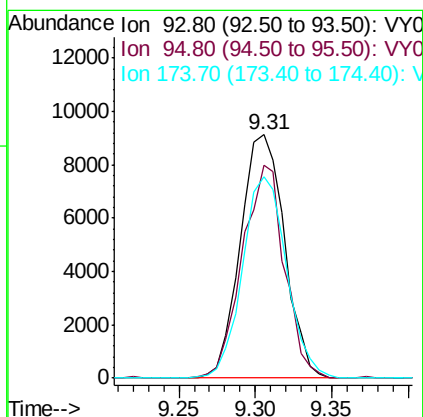
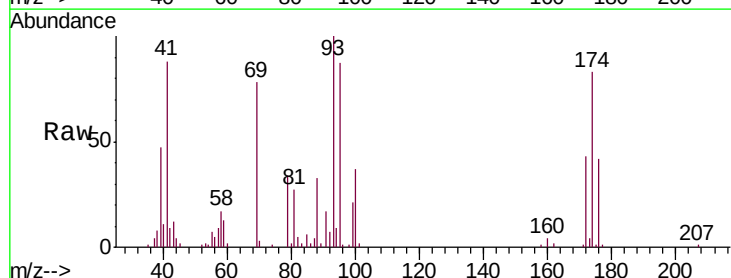
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0911SBSD01

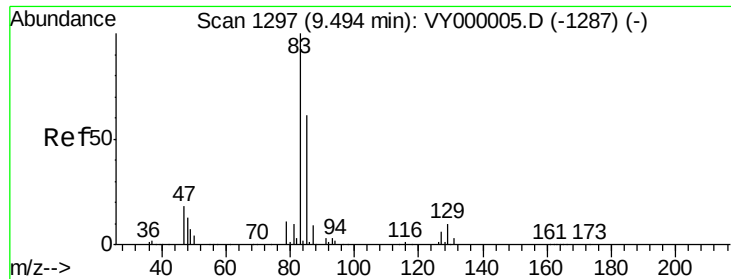
Tgt Ion: 63 Resp: 33002
 Ion Ratio Lower Upper
 63 100
 65 35.9 24.3 36.5



#46
 Dibromomethane
 Concen: 21.356 ug/l
 RT: 9.31 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VY000011.D
 Acq: 11 Sep 2019 20:21

Tgt Ion: 93 Resp: 18289
 Ion Ratio Lower Upper
 93 100
 95 83.7 68.1 102.1
 174 82.9 72.8 109.2

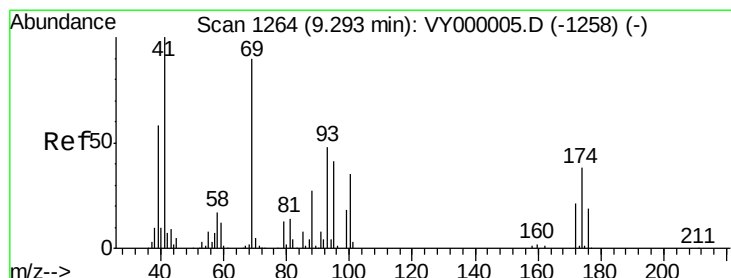
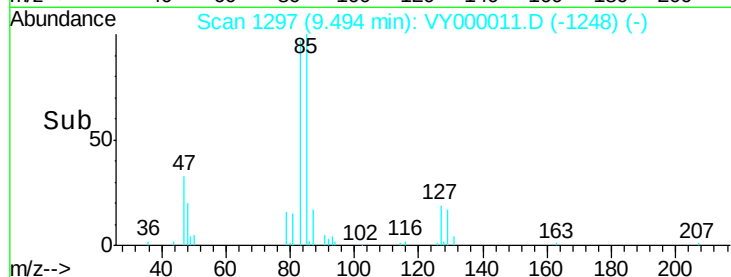
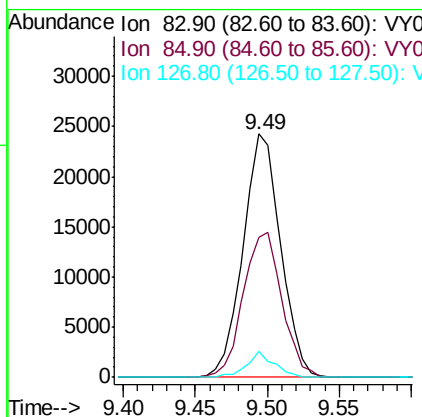
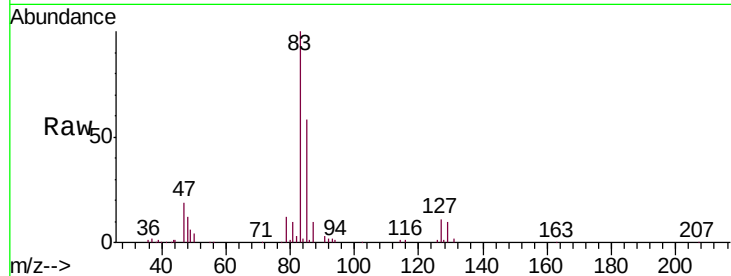




#47
Bromodichloromethane
Concen: 21.344 ug/l
RT: 9.49 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

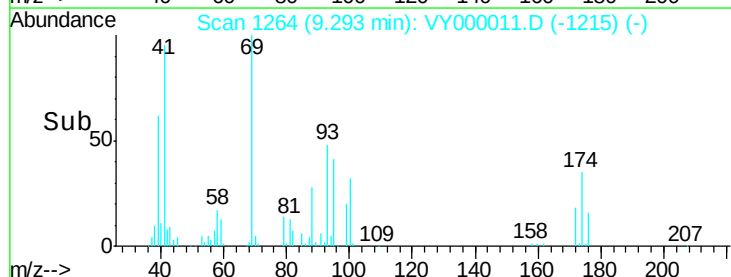
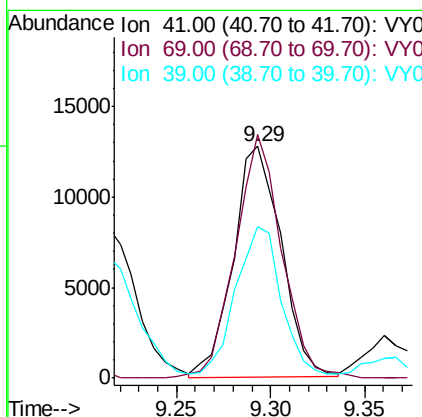
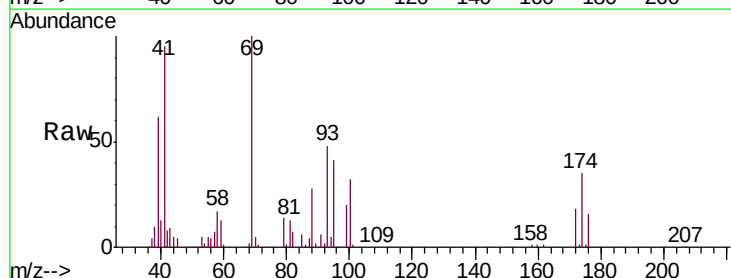
Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBS01

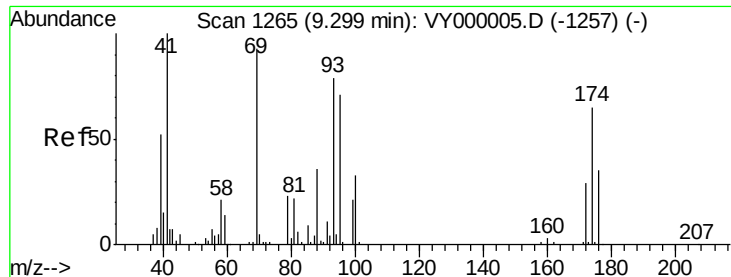
Tgt Ion: 83 Resp: 43781
Ion Ratio Lower Upper
83 100
85 57.7 49.2 73.8
127 10.8 5.0 7.6#



#48
Methyl methacrylate
Concen: 21.171 ug/l
RT: 9.29 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion: 41 Resp: 22543
Ion Ratio Lower Upper
41 100
69 101.7 77.4 116.2
39 63.1 47.4 71.2

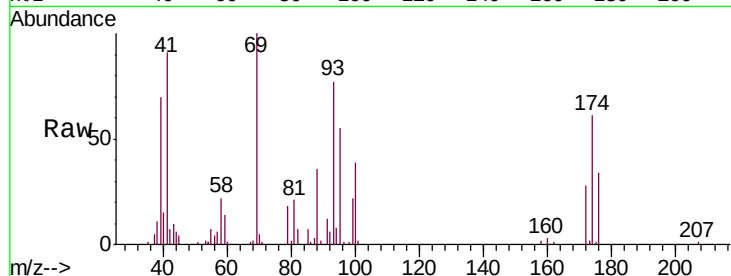




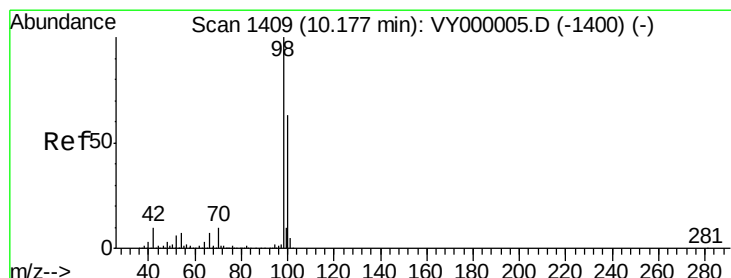
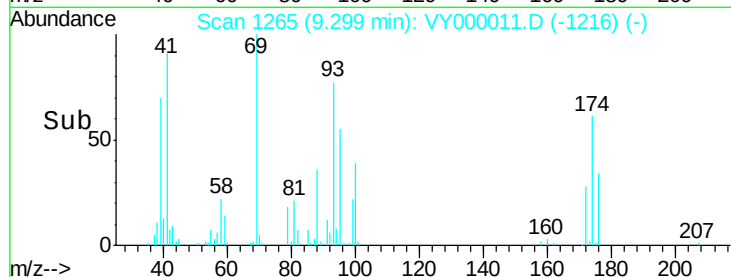
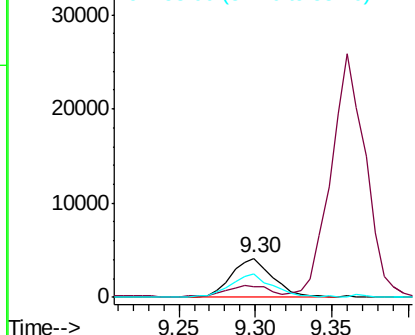
#49
1,4-Dioxane
Concen: 460.267 ug/l
RT: 9.30 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBSD01

Tgt Ion: 88 Resp: 7748
Ion Ratio Lower Upper
88 100
43 33.5 23.4 35.2
58 62.8 46.1 69.1

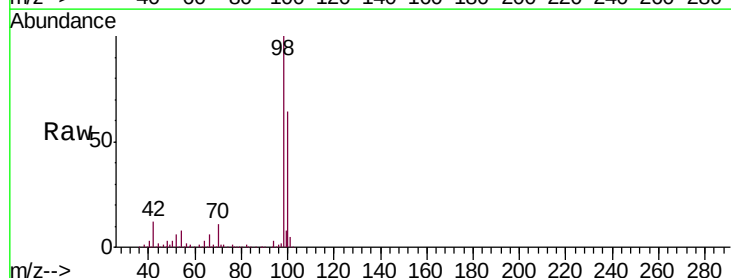


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

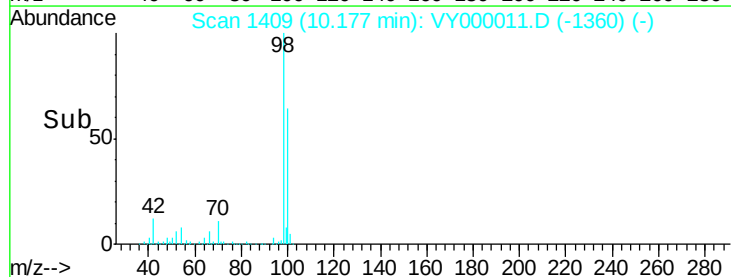
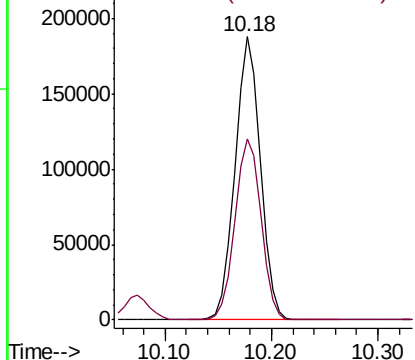


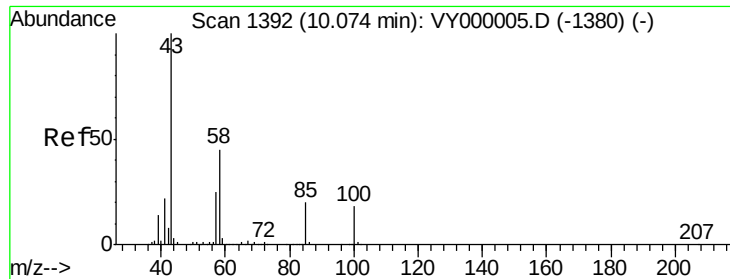
#50
Toluene-d8
Concen: 51.970 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion: 98 Resp: 314713
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.4



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

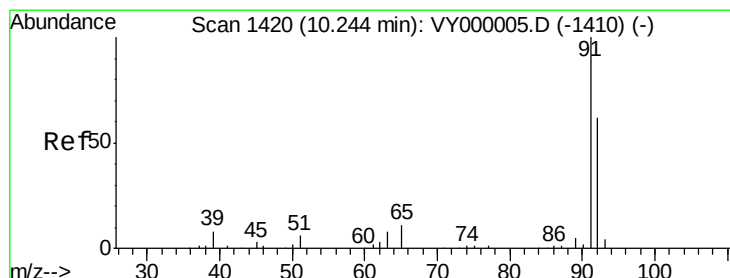
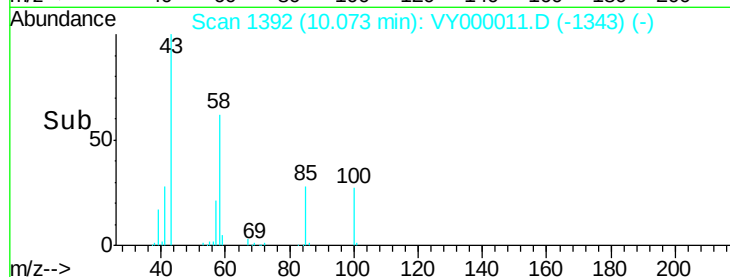
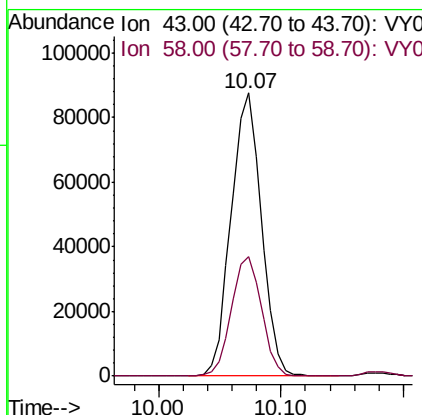
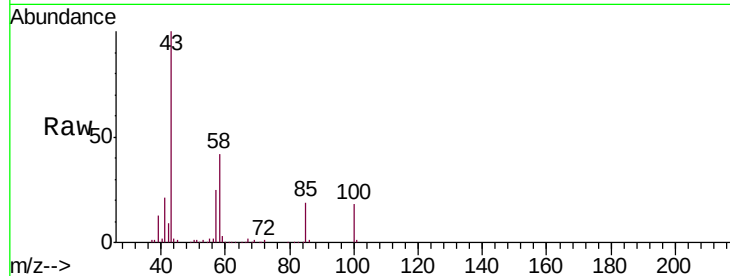




#51
 4-Methyl-2-Pentanone
 Concen: 112.804 ug/l
 RT: 10.07 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VY000011.D
 Acq: 11 Sep 2019 20:21

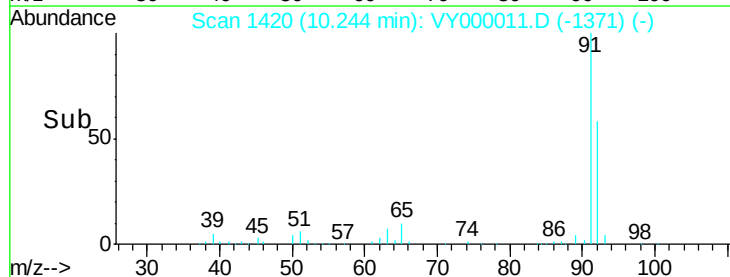
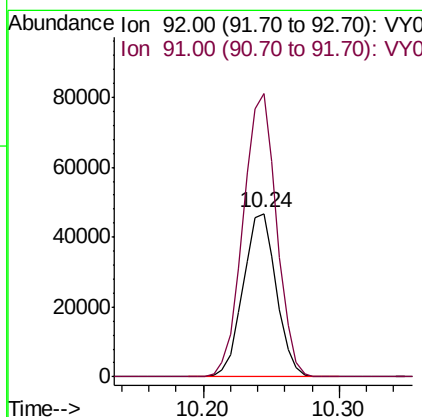
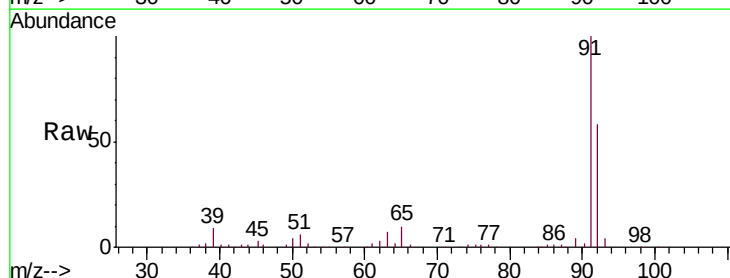
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0911SBSD01

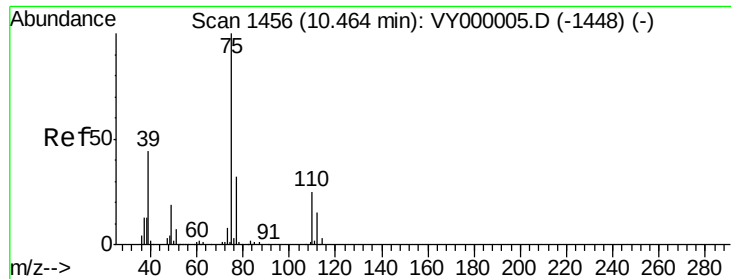
Tgt Ion: 43 Resp: 149675
 Ion Ratio Lower Upper
 43 100
 58 42.2 34.1 51.1



#52
 Toluene
 Concen: 20.523 ug/l
 RT: 10.24 min Scan# 1420
 Delta R.T. -0.00 min
 Lab File: VY000011.D
 Acq: 11 Sep 2019 20:21

Tgt Ion: 92 Resp: 79662
 Ion Ratio Lower Upper
 92 100
 91 174.7 136.5 204.7





#53

t-1,3-Dichloropropene

Concen: 20.918 ug/l

RT: 10.46 min Scan# 1456

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

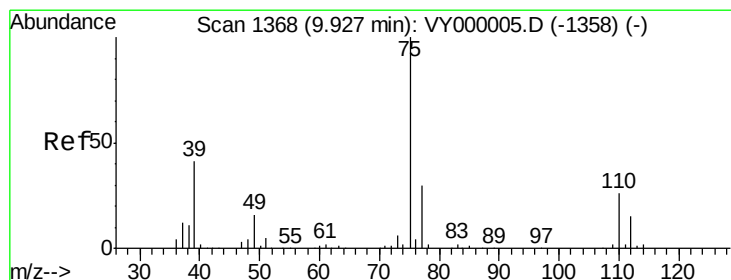
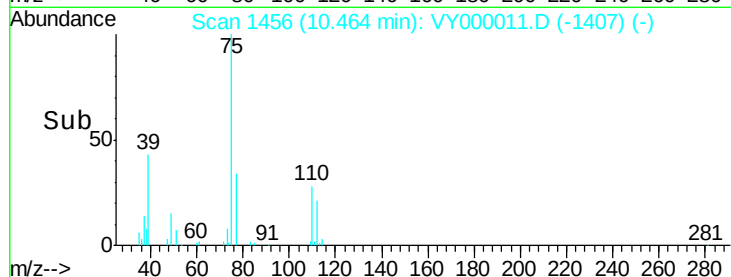
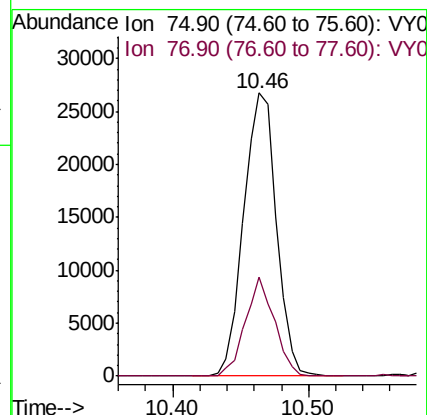
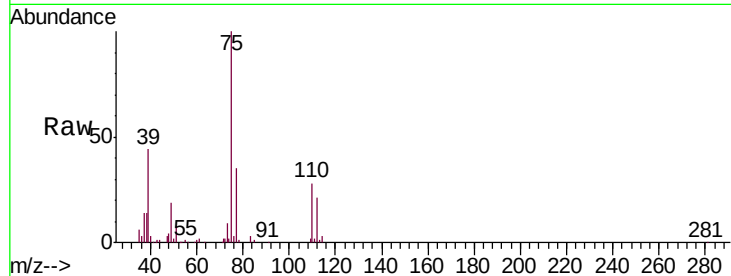
VY0911SBS01

Tgt Ion: 75 Resp: 45074

Ion Ratio Lower Upper

75 100

77 34.8 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 21.226 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

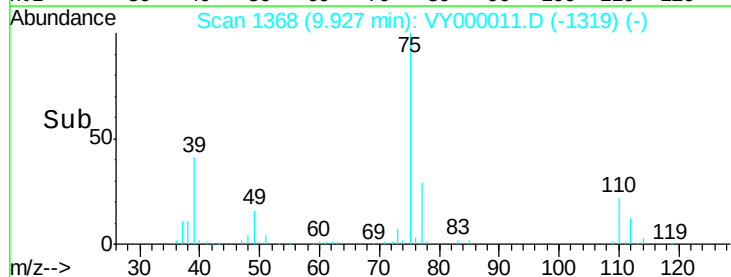
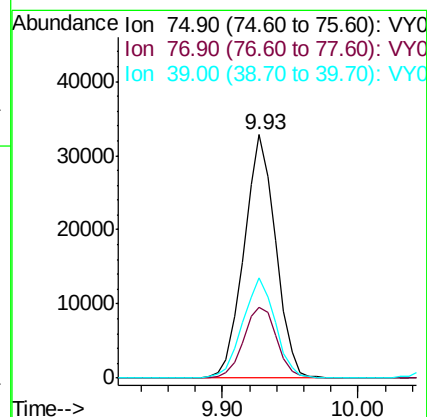
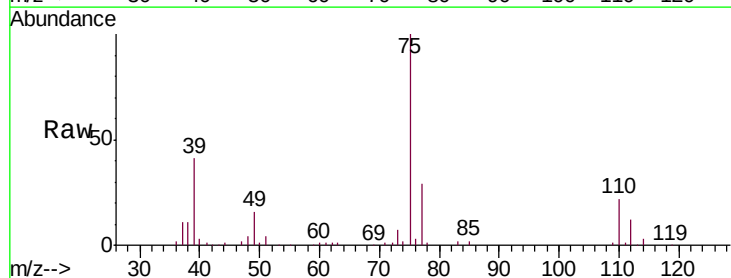
Tgt Ion: 75 Resp: 53394

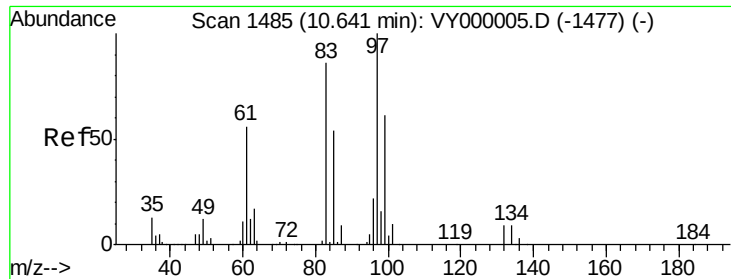
Ion Ratio Lower Upper

75 100

77 29.0 24.1 36.1

39 41.0 33.0 49.4

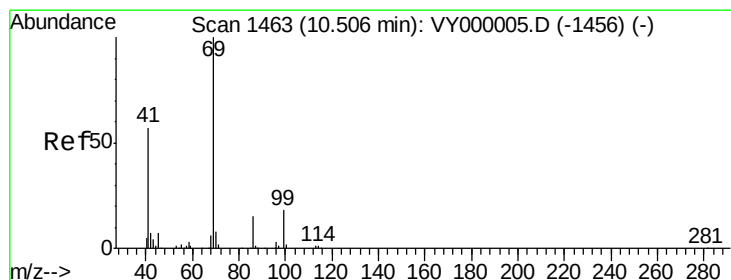
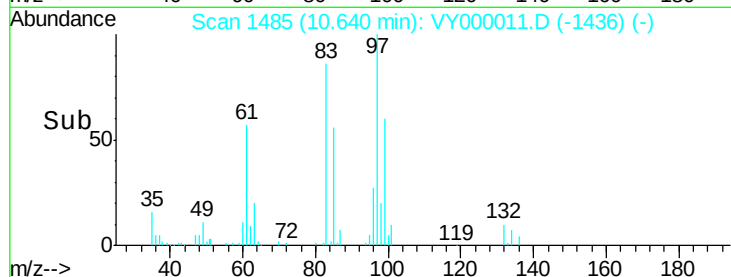
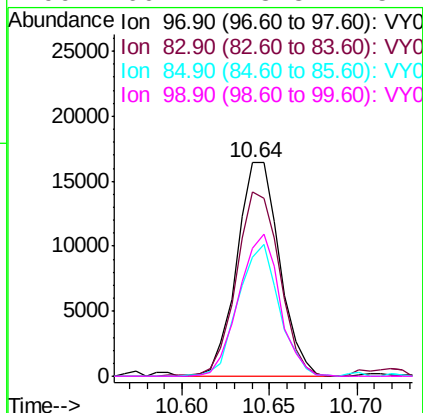
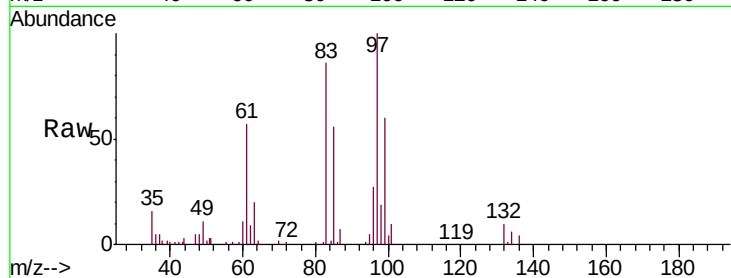




#55
 1,1,2-Trichloroethane
 Concen: 20.975 ug/l
 RT: 10.64 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY000011.D
 Acq: 11 Sep 2019 20:21

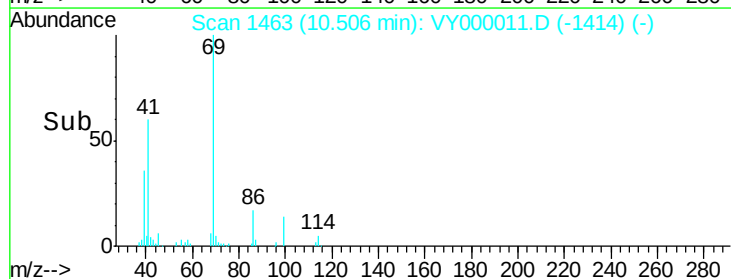
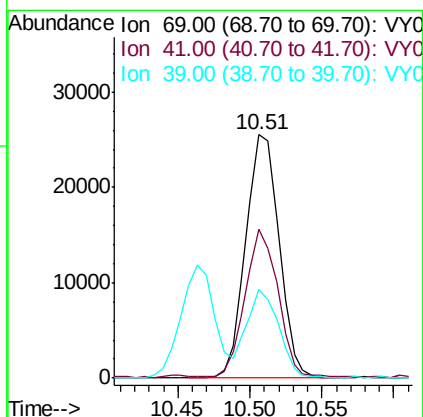
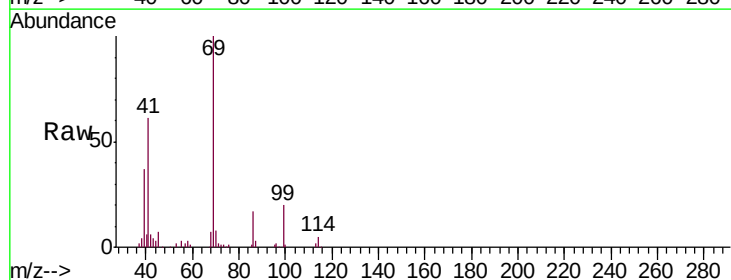
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0911SBS01

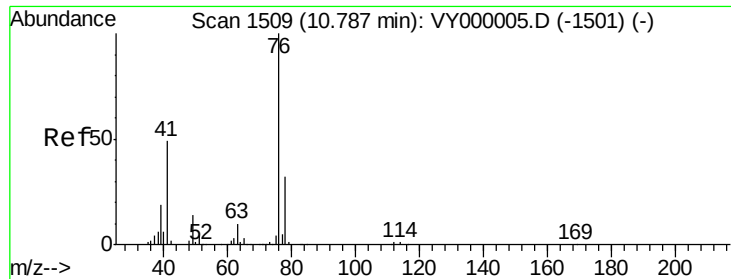
Tgt Ion:	97	Resp:	27841
Ion	Ratio	Lower	Upper
97	100		
83	86.2	68.4	102.6
85	55.8	43.0	64.6
99	60.1	48.8	73.2



#56
 Ethyl methacrylate
 Concen: 21.428 ug/l
 RT: 10.51 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: VY000011.D
 Acq: 11 Sep 2019 20:21

Tgt Ion:	69	Resp:	40947
Ion	Ratio	Lower	Upper
69	100		
41	61.5	46.3	69.5
39	35.1	25.8	38.6

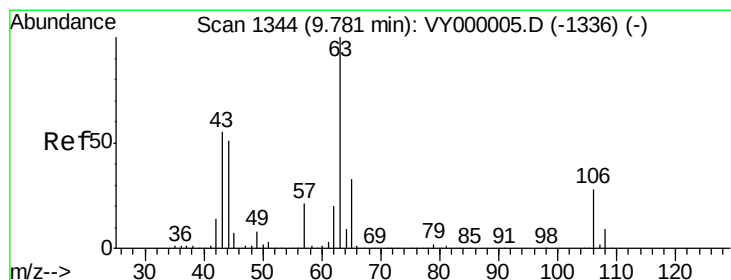
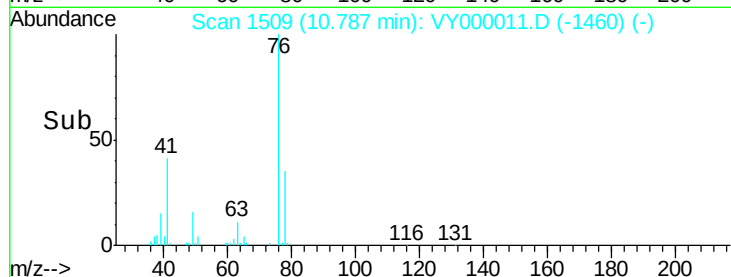
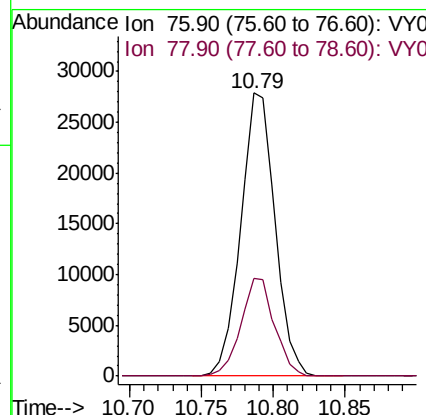
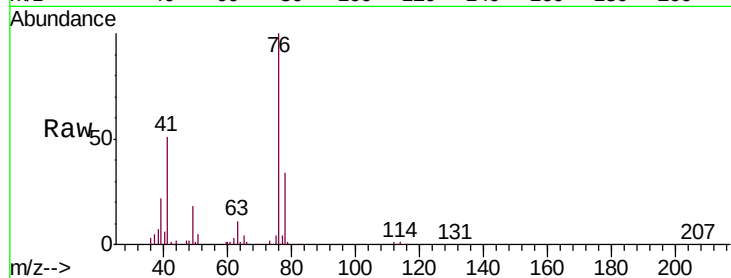




#57
 1,3-Dichloropropane
 Concen: 20.981 ug/l
 RT: 10.79 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VY000011.D
 Acq: 11 Sep 2019 20:21

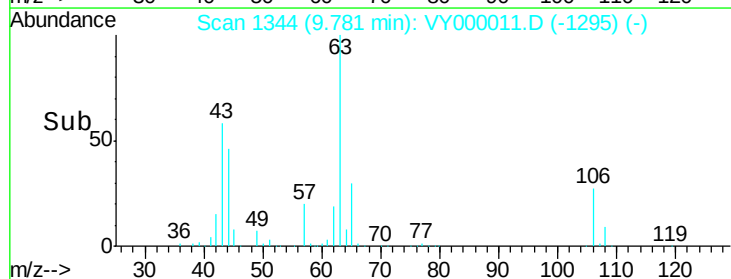
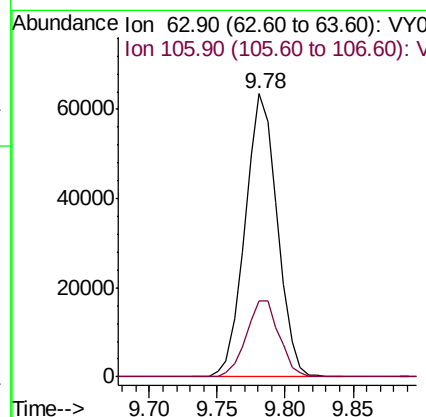
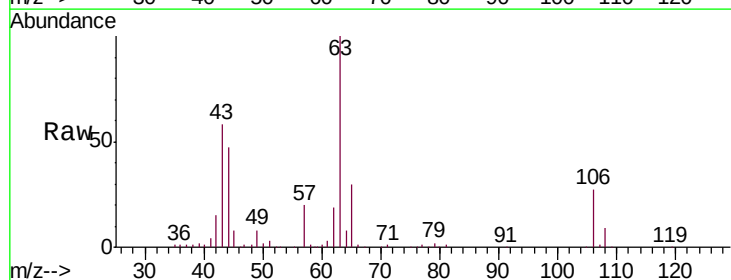
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0911SBSD01

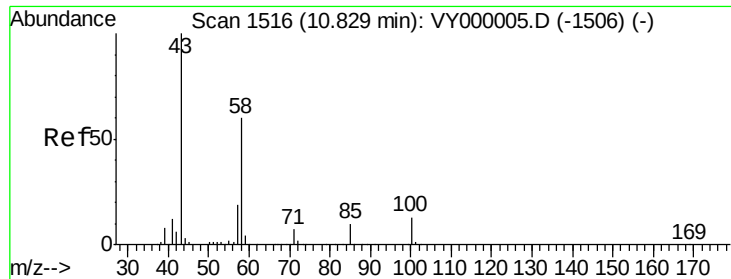
Tgt Ion: 76 Resp: 45959
 Ion Ratio Lower Upper
 76 100
 78 33.8 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.571 ug/l
 RT: 9.78 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VY000011.D
 Acq: 11 Sep 2019 20:21

Tgt Ion: 63 Resp: 105062
 Ion Ratio Lower Upper
 63 100
 106 27.5 23.3 34.9

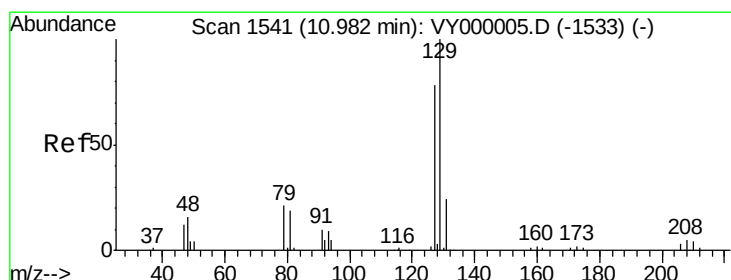
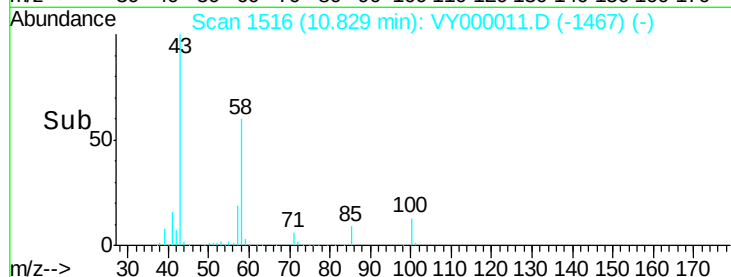
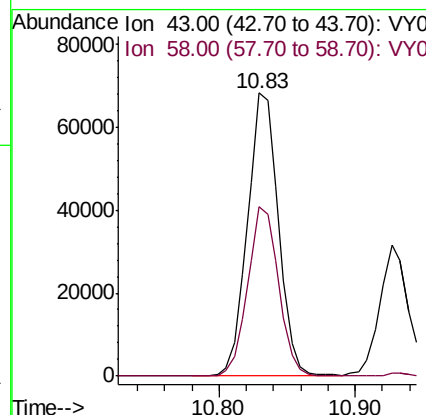
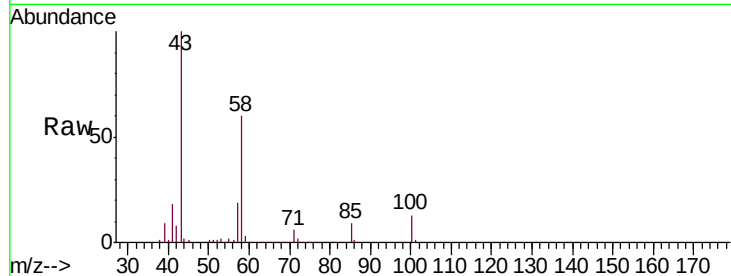




#59
2-Hexanone
Concen: 114.878 ug/l
RT: 10.83 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

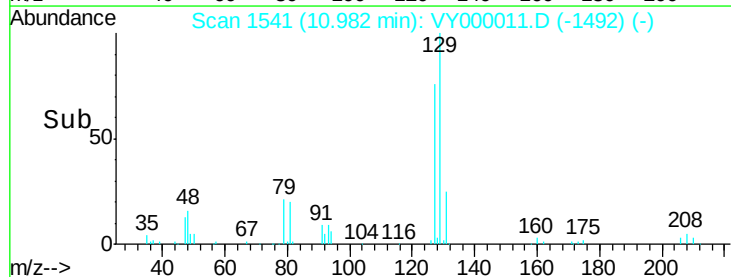
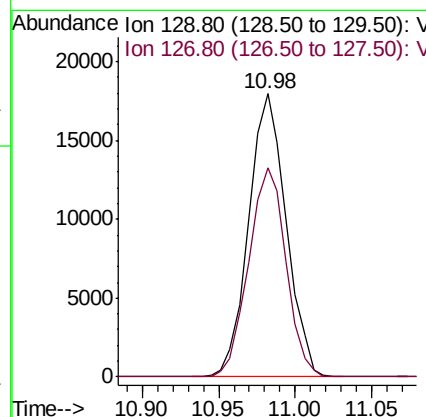
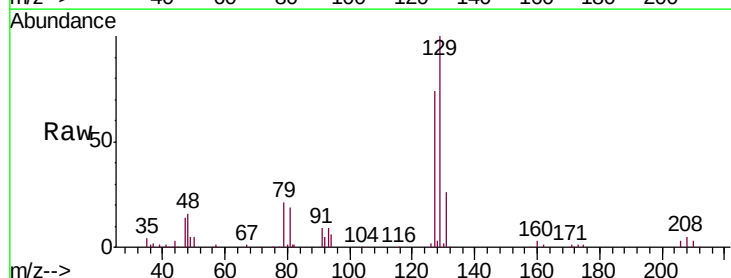
Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBSD01

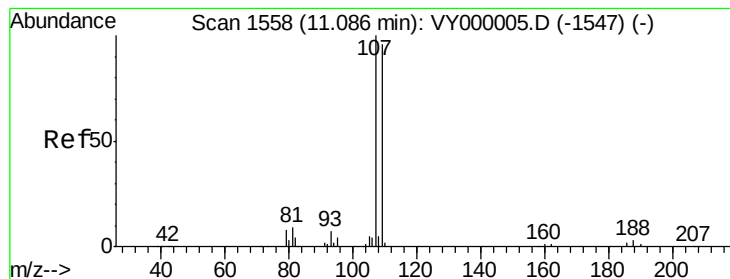
Tgt Ion: 43 Resp: 108530
Ion Ratio Lower Upper
43 100
58 59.7 29.8 89.5



#60
Dibromochloromethane
Concen: 21.619 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion: 129 Resp: 30582
Ion Ratio Lower Upper
129 100
127 73.9 39.2 117.6





#61

1,2-Dibromoethane

Concen: 21.183 ug/l

RT: 11.09 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

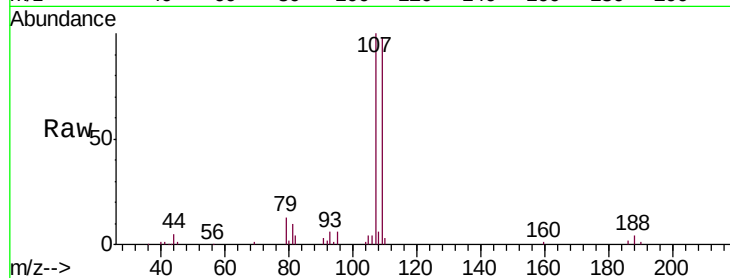
VY0911SBS01

Tgt Ion: 107 Resp: 25865

Ion Ratio Lower Upper

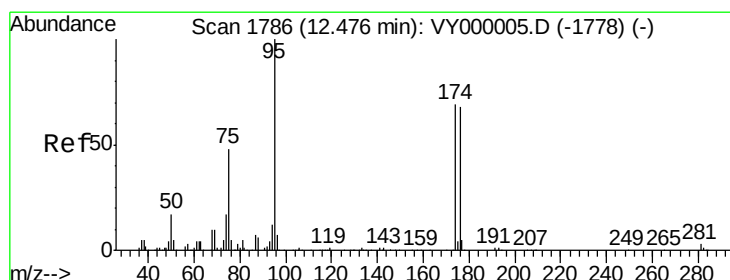
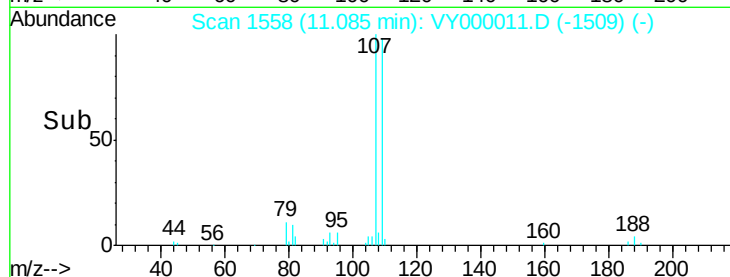
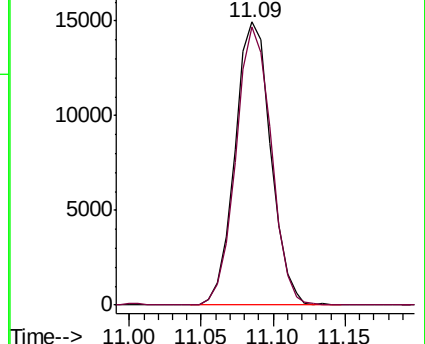
107 100

109 97.0 73.2 109.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.999 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

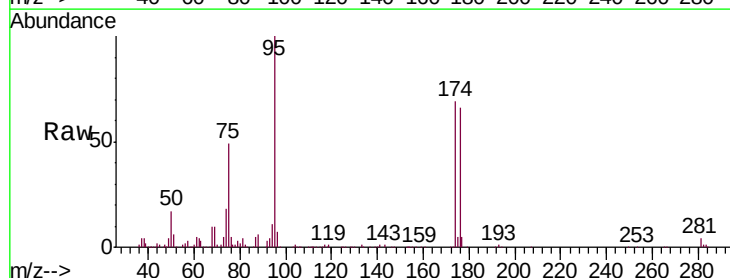
Tgt Ion: 95 Resp: 105168

Ion Ratio Lower Upper

95 100

174 69.0 0.0 145.8

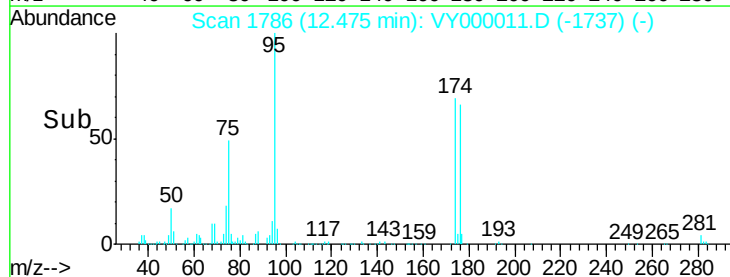
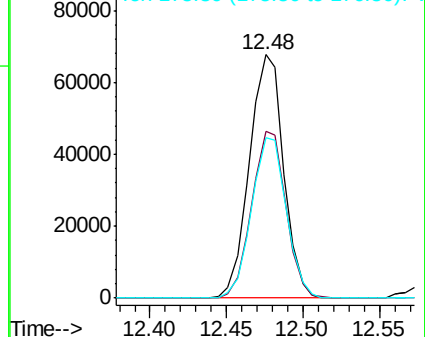
176 67.1 0.0 138.0

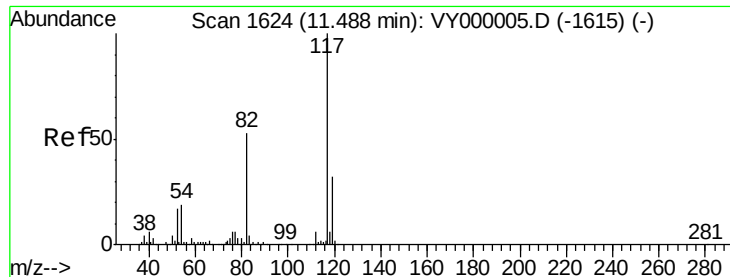


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

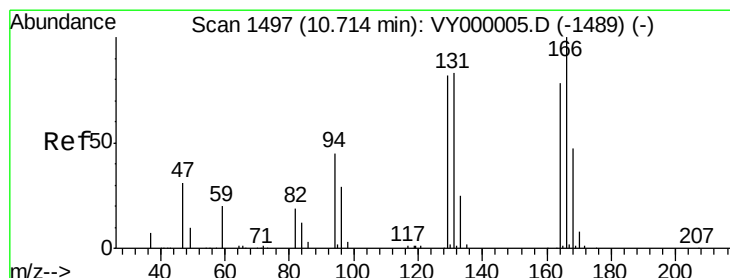
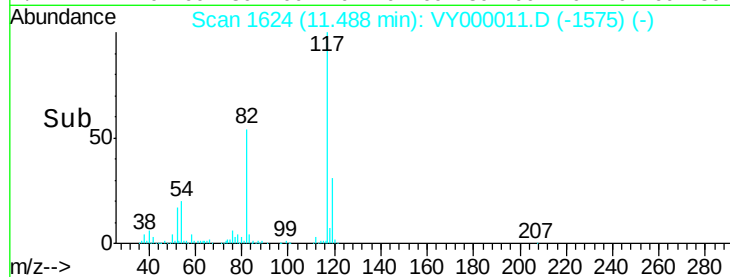
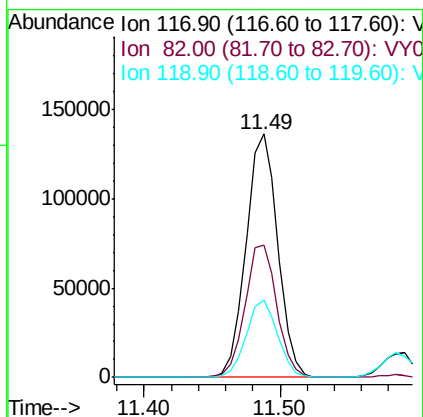
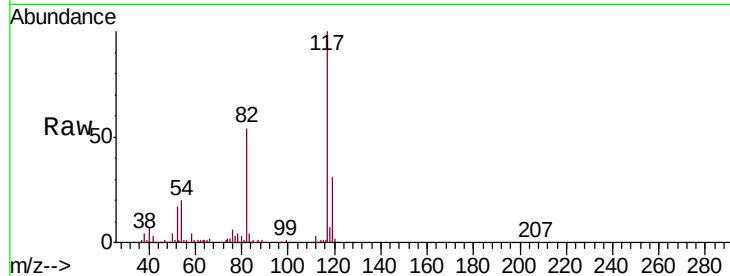




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

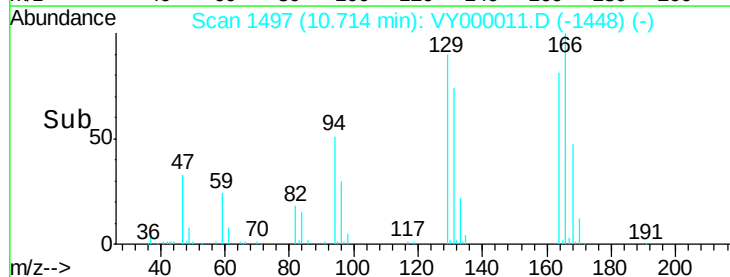
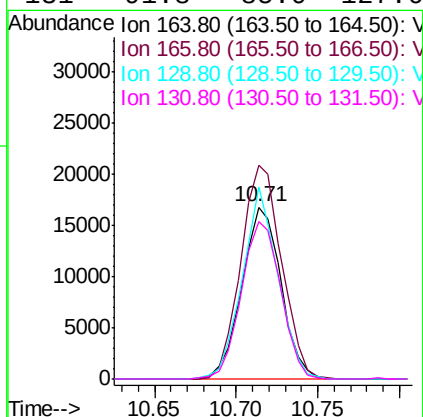
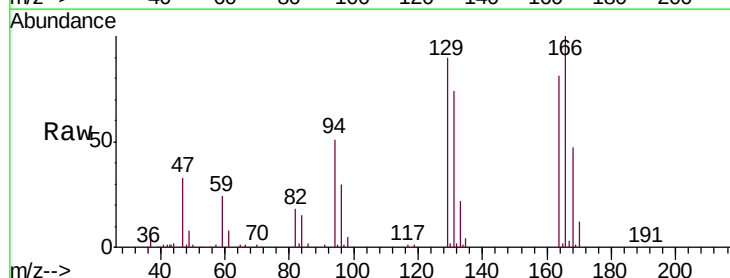
Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBS01

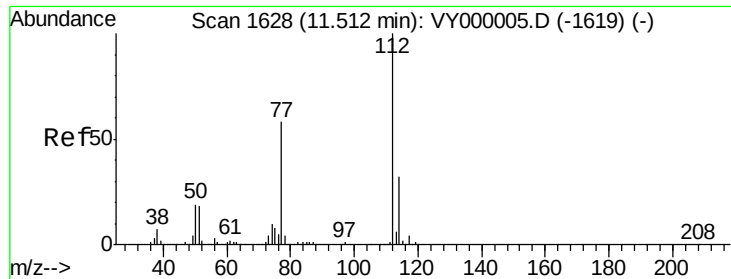
Tgt Ion:117 Resp: 222253
Ion Ratio Lower Upper
117 100
82 54.1 42.3 63.5
119 31.5 25.8 38.8



#64
Tetrachloroethene
Concen: 20.655 ug/l
RT: 10.71 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion:164 Resp: 28064
Ion Ratio Lower Upper
164 100
166 124.2 102.5 153.7
129 112.0 83.8 125.8
131 91.8 85.0 127.6

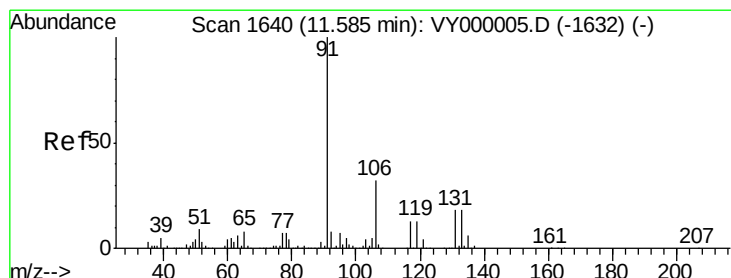
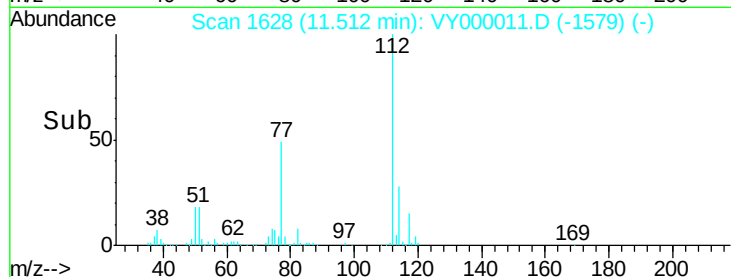
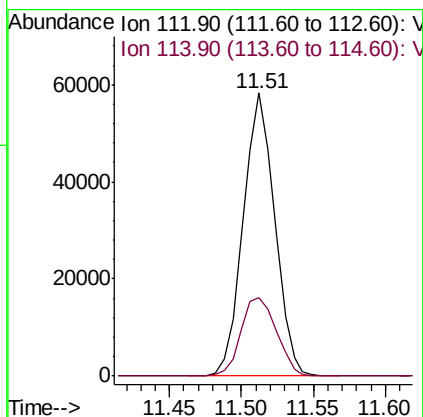
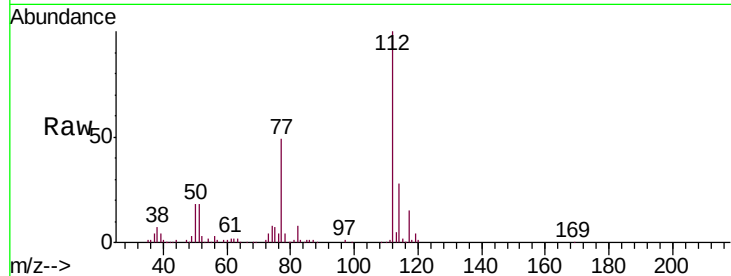




#65
Chlorobenzene
Concen: 21.552 ug/l
RT: 11.51 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

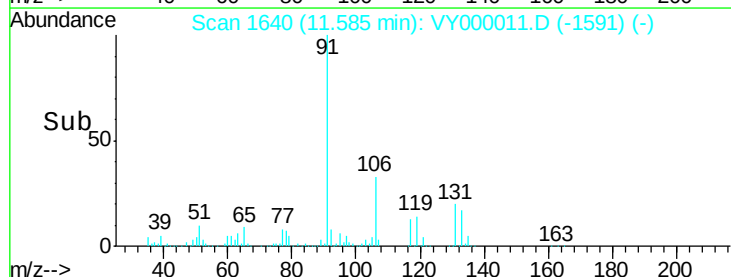
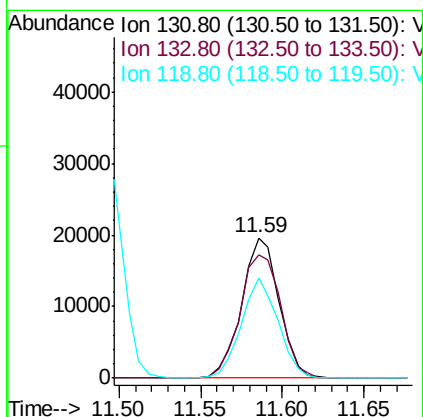
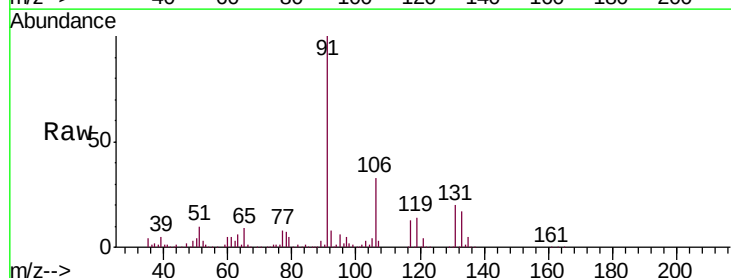
Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBSD01

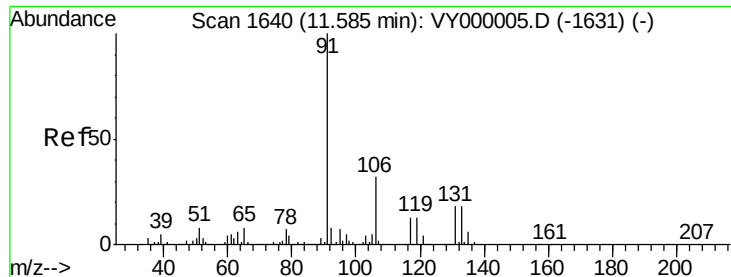
Tgt Ion:112 Resp: 88541
Ion Ratio Lower Upper
112 100
114 27.6 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 22.561 ug/l
RT: 11.59 min Scan# 1640
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion:131 Resp: 31359
Ion Ratio Lower Upper
131 100
133 95.6 48.7 146.1
119 69.7 35.8 107.3

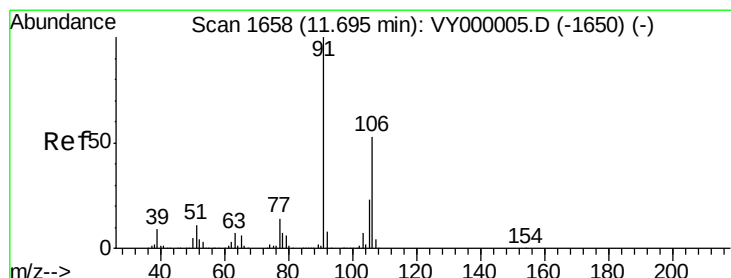
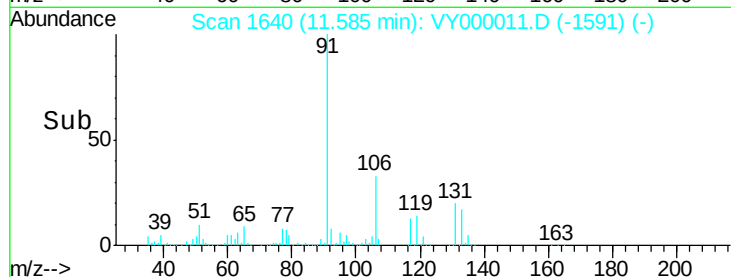
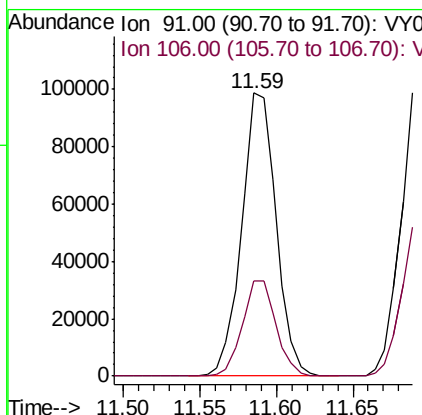
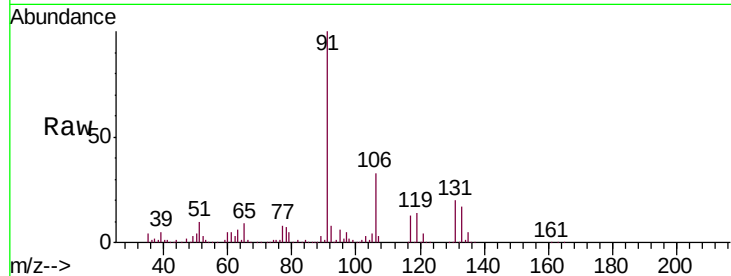




#67
Ethyl Benzene
Concen: 20.528 ug/l
RT: 11.59 min Scan# 1640
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

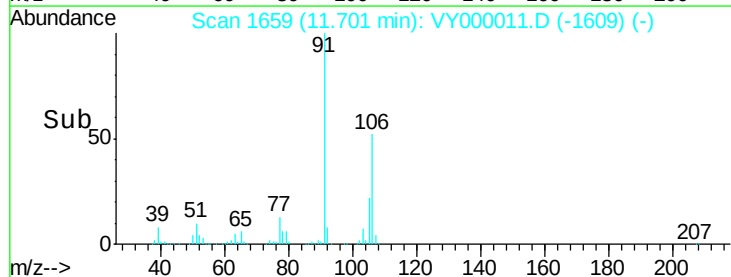
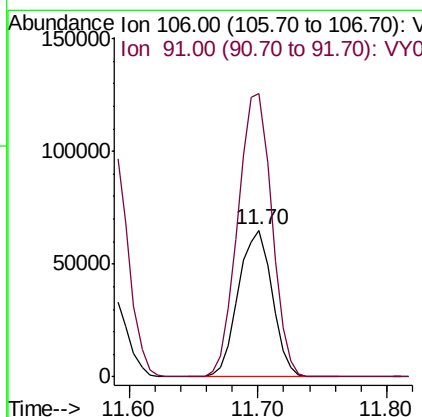
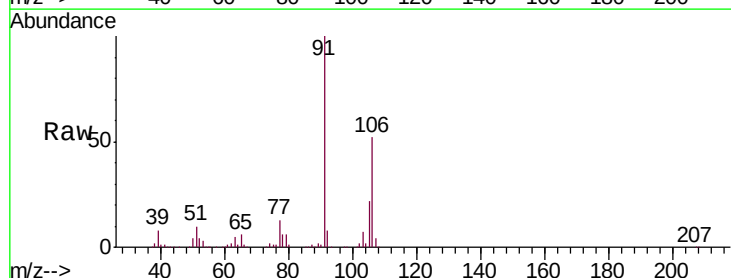
Instrument :
MSVOA_Y
ClientSampled :
VY0911SBSD01

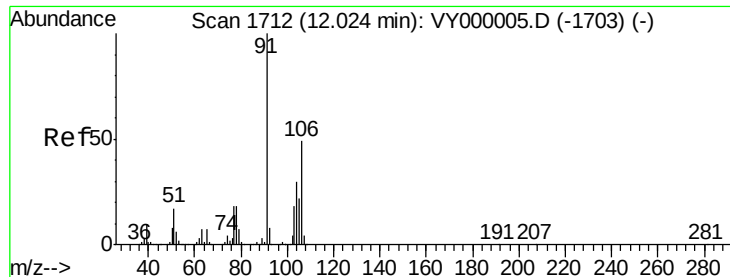
Tgt Ion: 91 Resp: 154091
Ion Ratio Lower Upper
91 100
106 33.5 25.4 38.2



#68
m/p-Xylenes
Concen: 41.536 ug/l
RT: 11.70 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion: 106 Resp: 118424
Ion Ratio Lower Upper
106 100
91 194.6 157.1 235.7

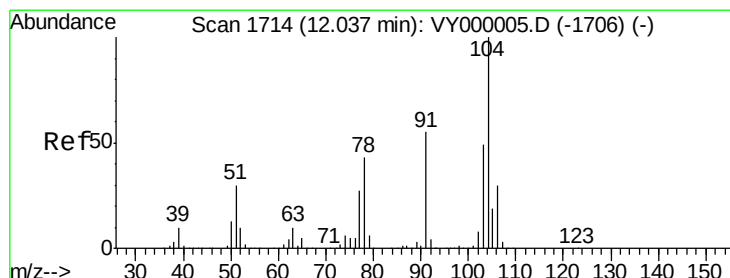
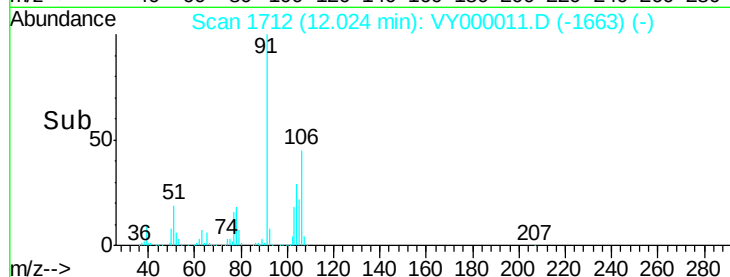
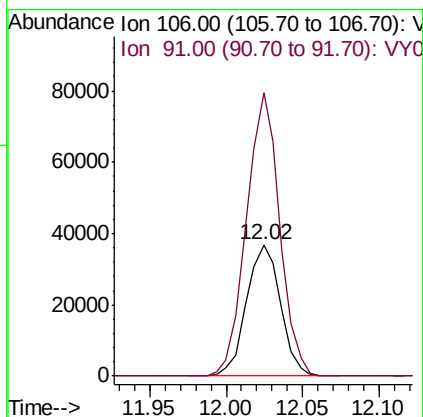
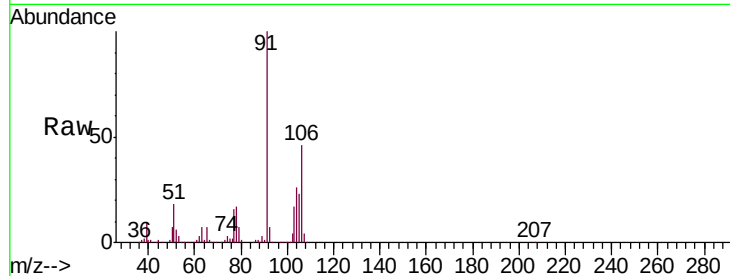




#69
o-Xylene
Concen: 20.750 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

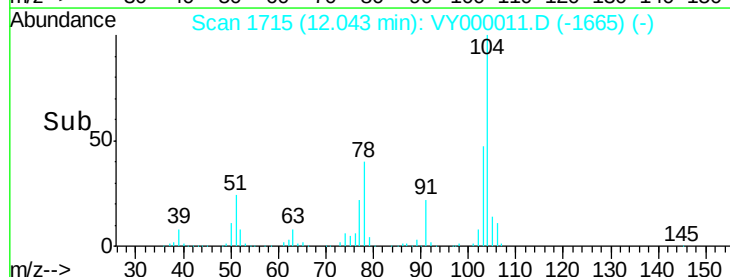
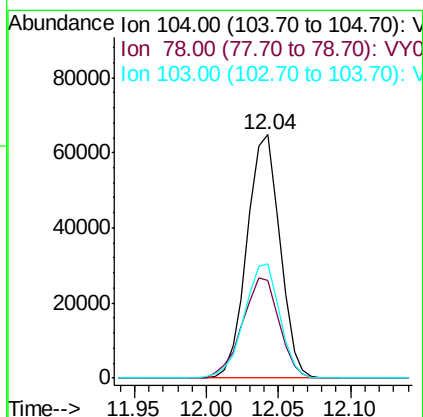
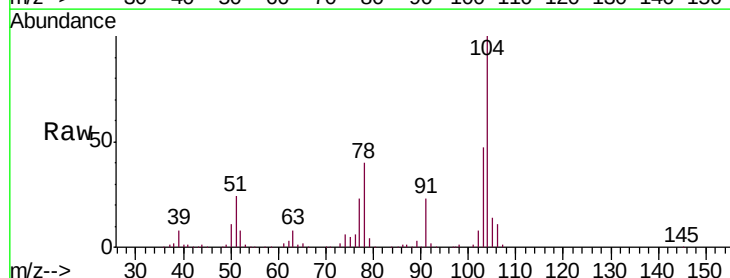
Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBSD01

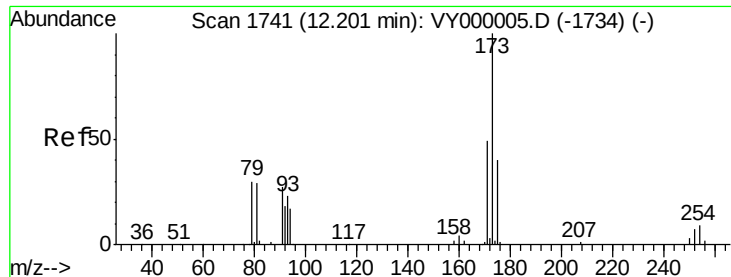
Tgt Ion:106 Resp: 56897
Ion Ratio Lower Upper
106 100
91 210.5 100.6 301.8



#70
Styrene
Concen: 21.449 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. 0.01 min
Lab File: VY000011.D
Acq: 11 Sep 2019 20:21

Tgt Ion:104 Resp: 102405
Ion Ratio Lower Upper
104 100
78 46.3 37.6 56.4
103 50.7 42.6 63.8





#71

Bromoform

Concen: 21.087 ug/l

RT: 12.21 min Scan# 1742

Delta R.T. 0.01 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0911SBS01

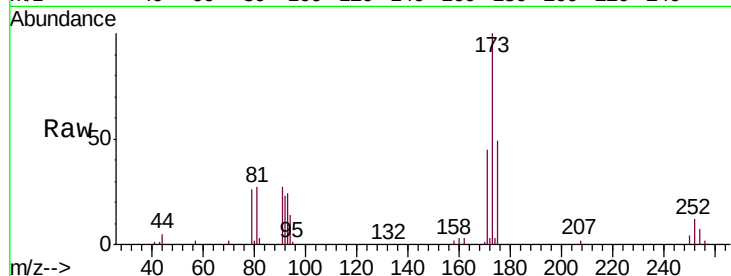
Tgt Ion:173 Resp: 17757

Ion Ratio Lower Upper

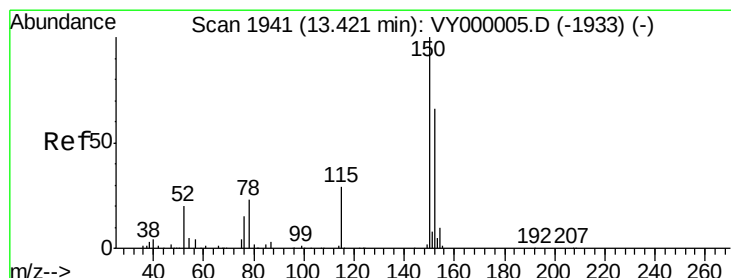
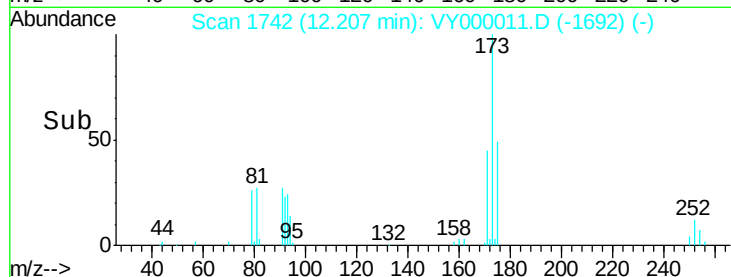
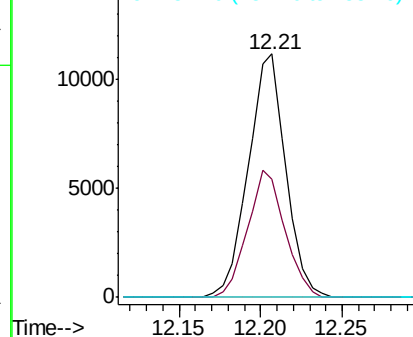
173 100

175 52.1 23.8 71.5

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

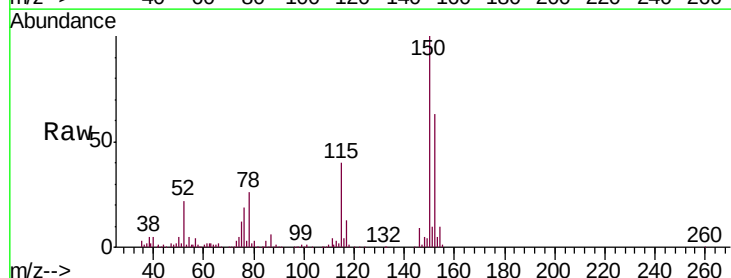
Tgt Ion:152 Resp: 92013

Ion Ratio Lower Upper

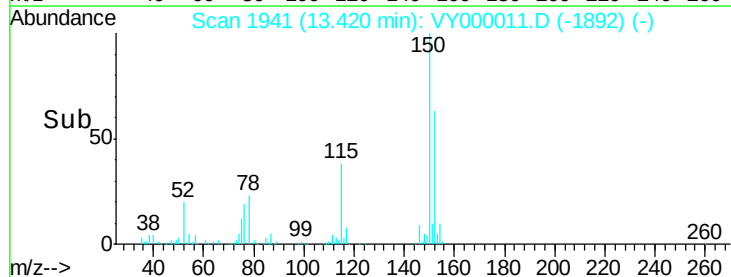
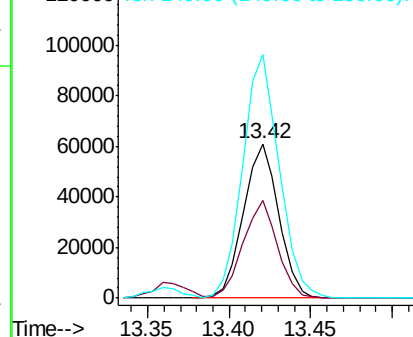
152 100

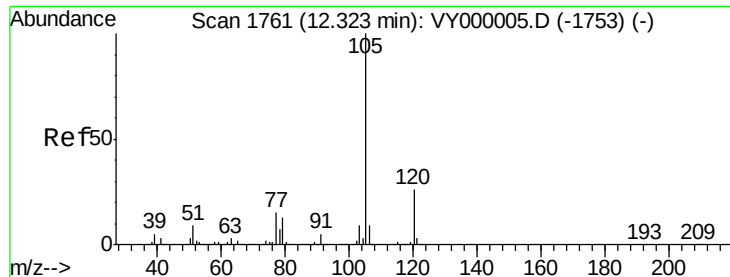
115 61.0 30.3 91.0

150 163.5 0.0 347.4



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





#73

Isopropylbenzene

Concen: 22.321 ug/l

RT: 12.32 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

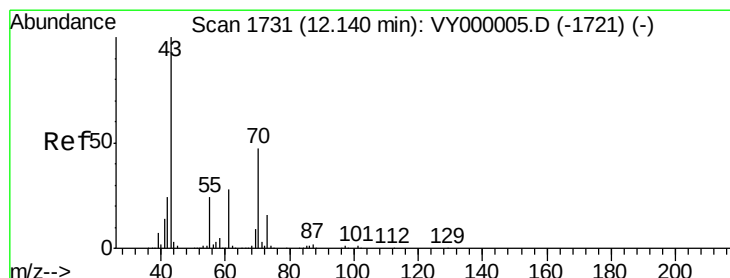
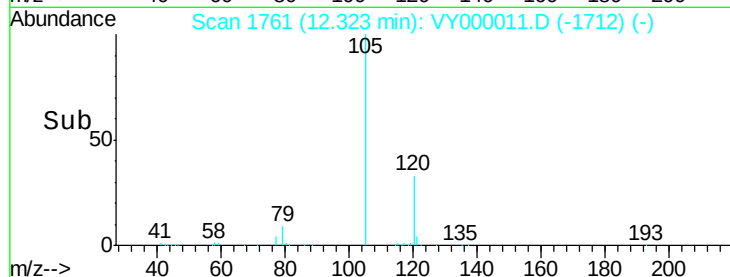
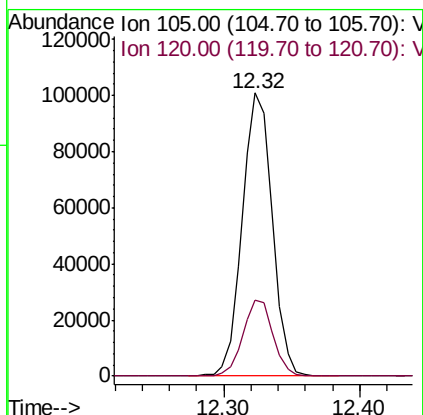
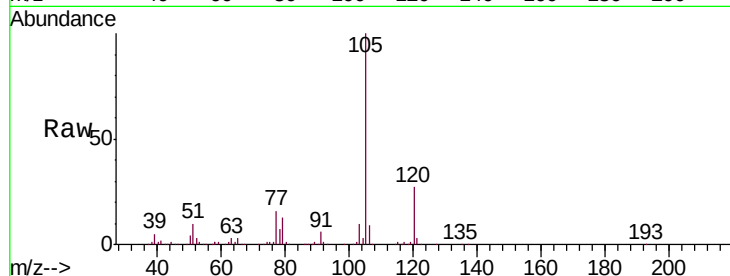
VY0911SBS01

Tgt Ion:105 Resp: 155288

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.4



#74

N-ethyl acetate

Concen: 23.665 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Tgt Ion: 43 Resp: 45694

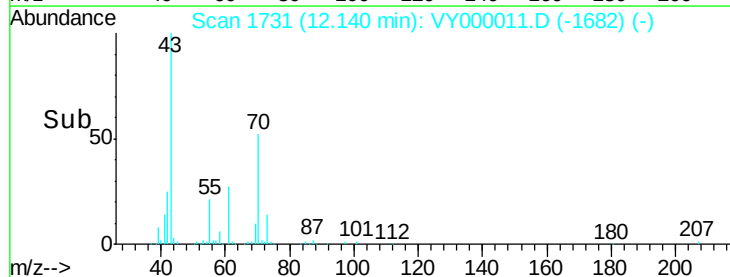
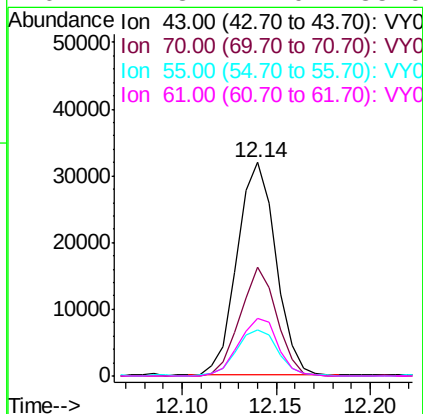
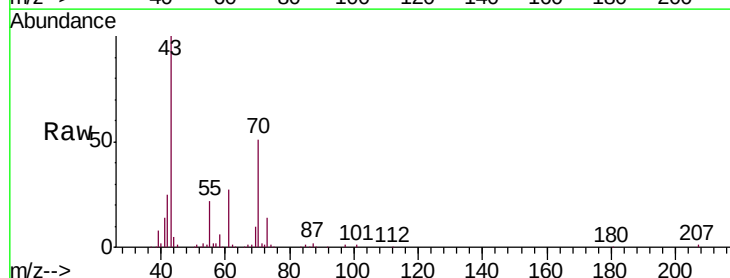
Ion Ratio Lower Upper

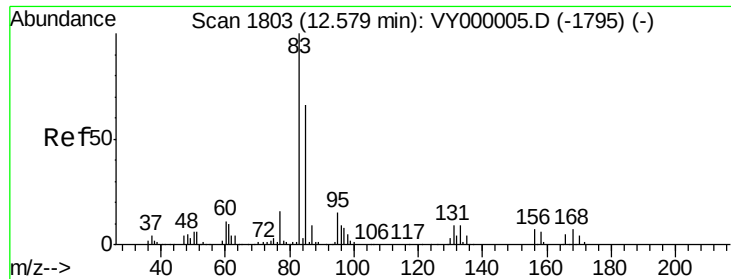
43 100

70 48.6 38.1 57.1

55 23.4 19.9 29.9

61 27.3 22.0 33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 24.550 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0911SBS01

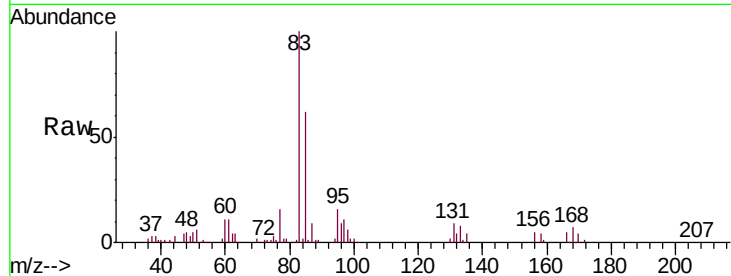
Tgt Ion: 83 Resp: 39348

Ion Ratio Lower Upper

83 100

131 8.7 5.0 14.9

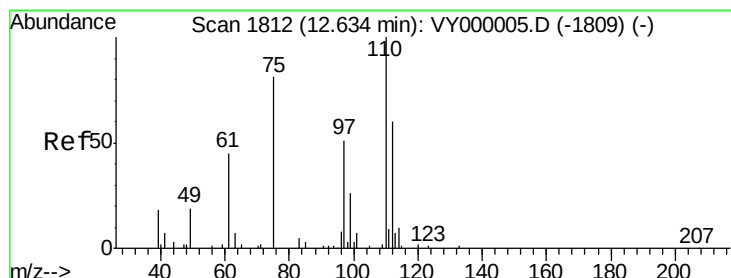
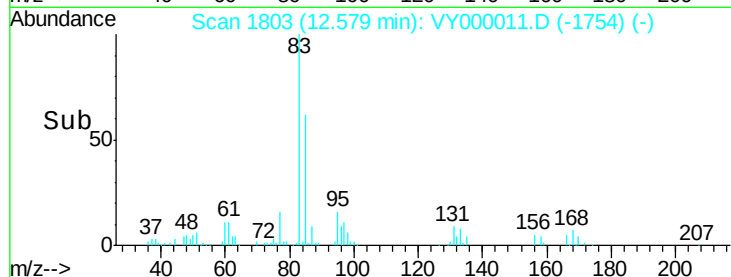
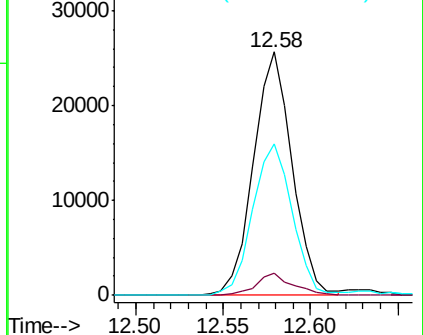
85 63.8 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 45.958 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.01 min

Lab File: VY000011.D

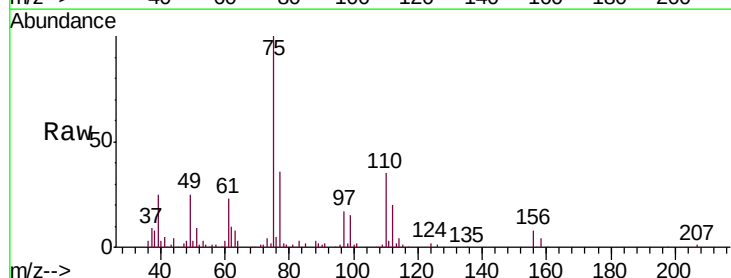
Acq: 11 Sep 2019 20:21

Tgt Ion: 75 Resp: 49902

Ion Ratio Lower Upper

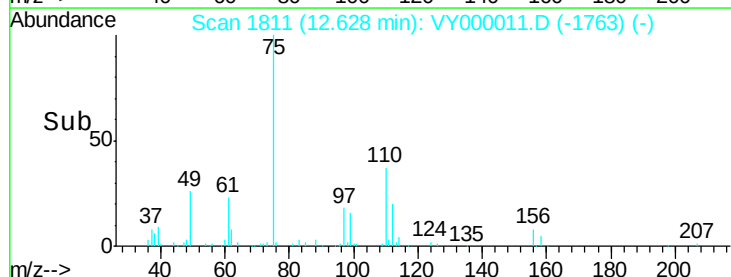
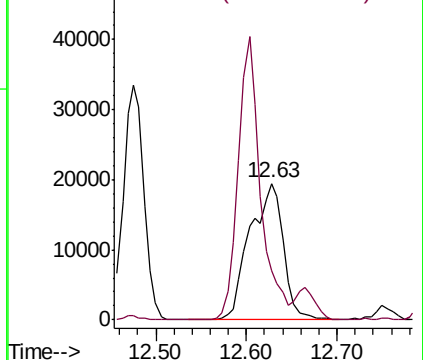
75 100

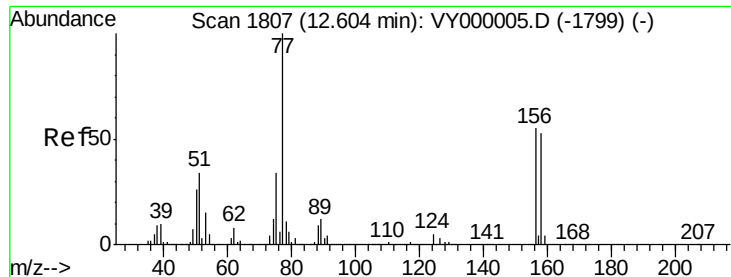
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 22.419 ug/l

RT: 12.60 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0911SBSD01

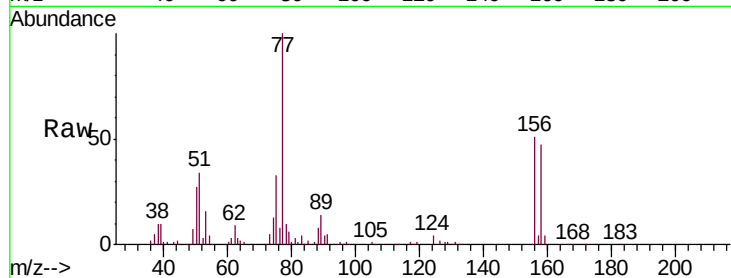
Tgt Ion:156 Resp: 33244

Ion Ratio Lower Upper

156 100

77 209.5 106.5 319.6

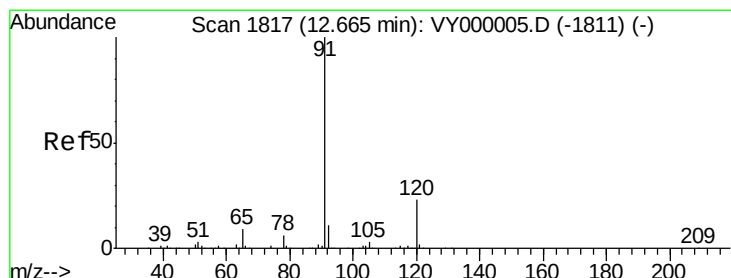
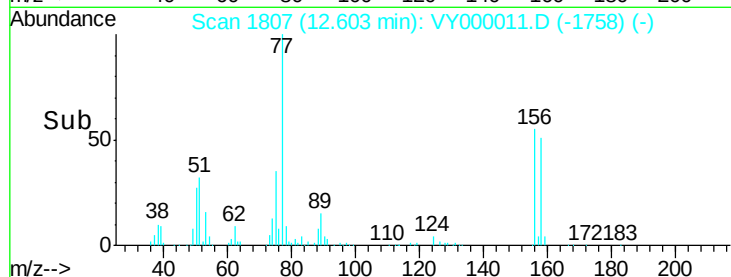
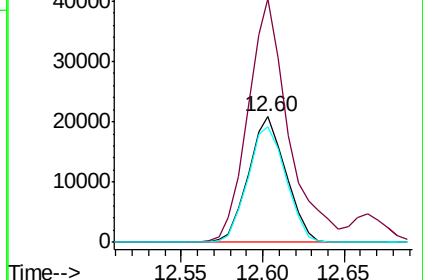
158 93.6 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.856 ug/l

RT: 12.66 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000011.D

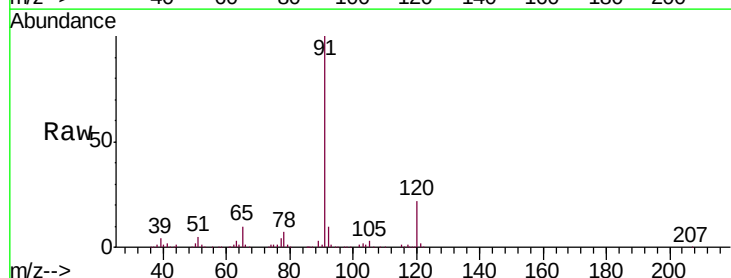
Acq: 11 Sep 2019 20:21

Tgt Ion: 91 Resp: 184022

Ion Ratio Lower Upper

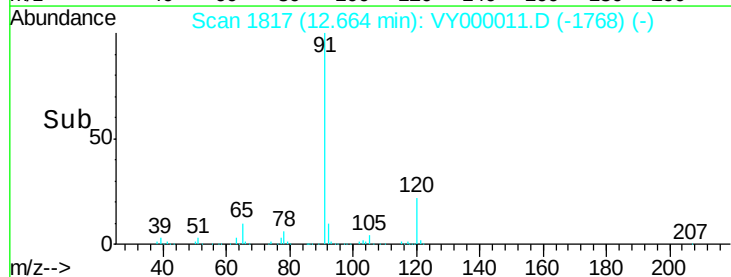
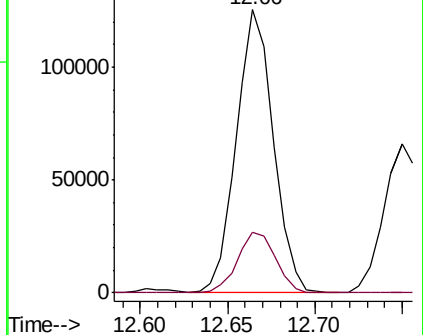
91 100

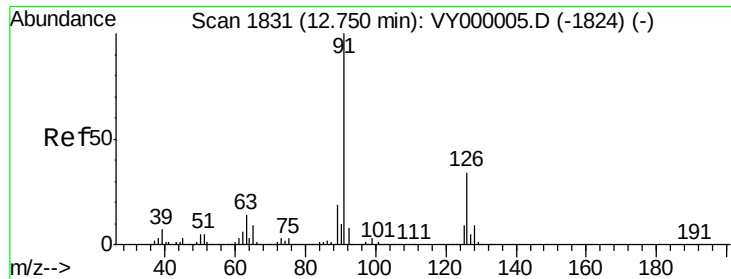
120 22.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.803 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

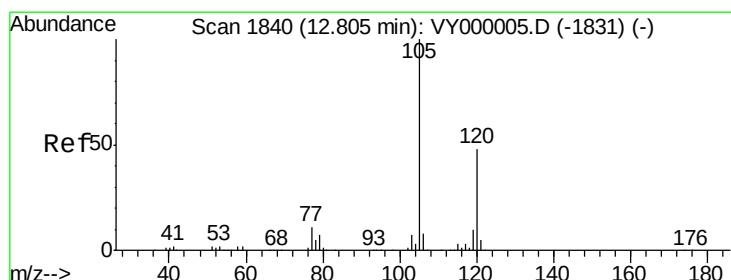
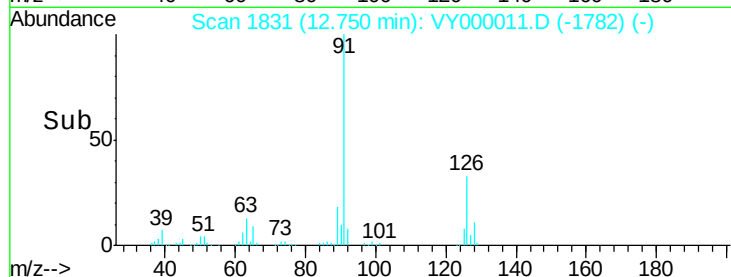
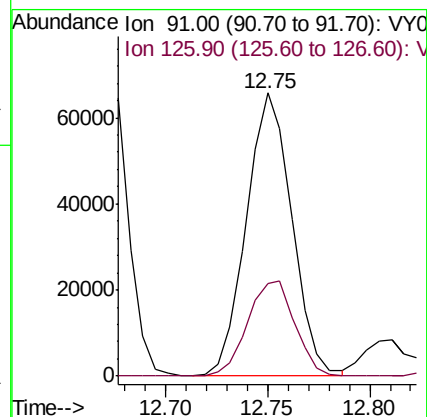
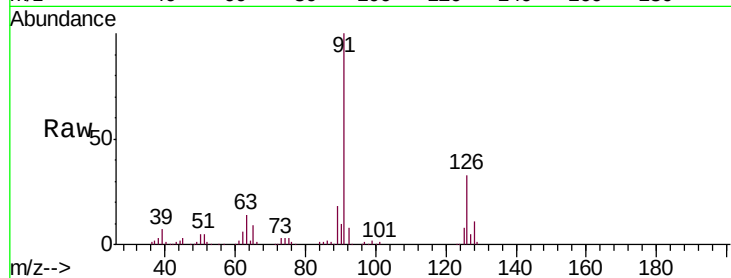
VY0911SBSD01

Tgt Ion: 91 Resp: 101847

Ion Ratio Lower Upper

91 100

126 35.1 17.2 51.6



#80

1,3,5-Trimethylbenzene

Concen: 21.988 ug/l

RT: 12.80 min Scan# 1840

Delta R.T. -0.00 min

Lab File: VY000011.D

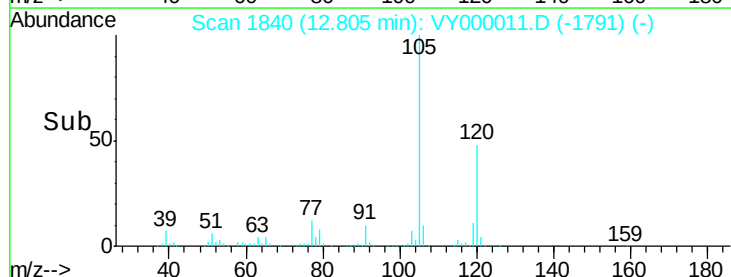
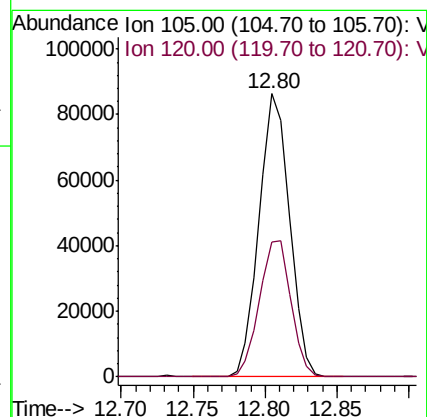
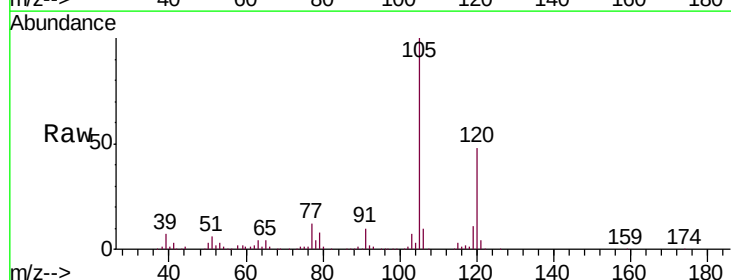
Acq: 11 Sep 2019 20:21

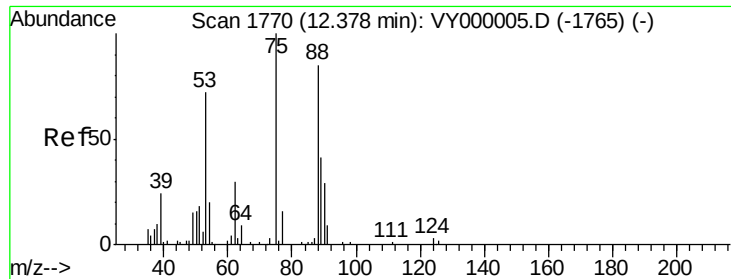
Tgt Ion: 105 Resp: 126469

Ion Ratio Lower Upper

105 100

120 49.7 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 23.626 ug/l

RT: 12.37 min Scan# 1769

Delta R.T. -0.01 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0911SBS01

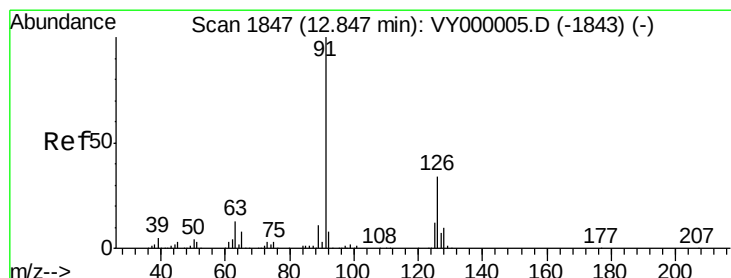
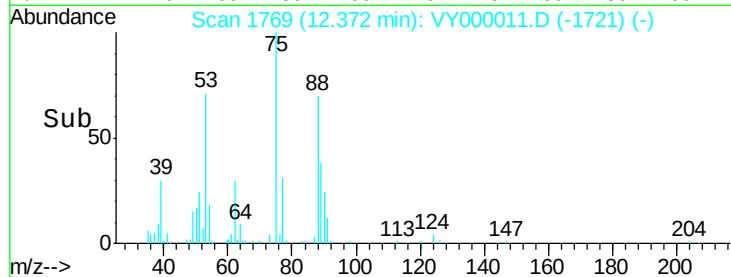
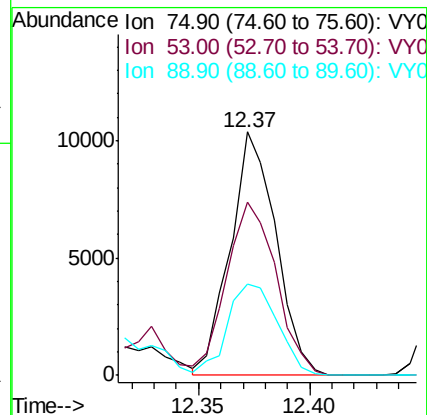
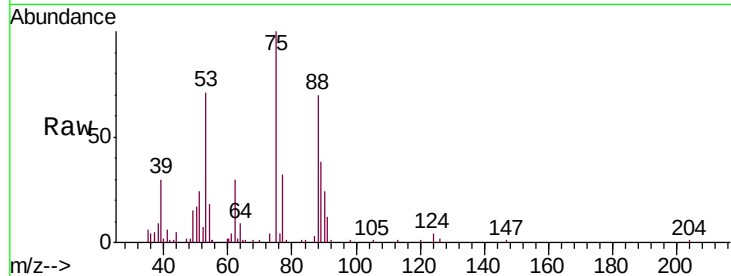
Tgt Ion: 75 Resp: 14820

Ion Ratio Lower Upper

75 100

53 77.0 63.0 94.6

89 41.2 34.6 52.0



#82

4-Chlorotoluene

Concen: 22.054 ug/l

RT: 12.85 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VY000011.D

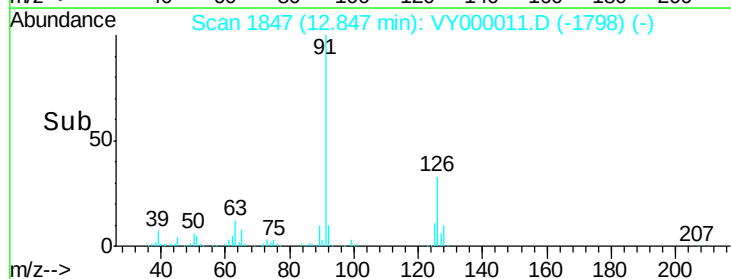
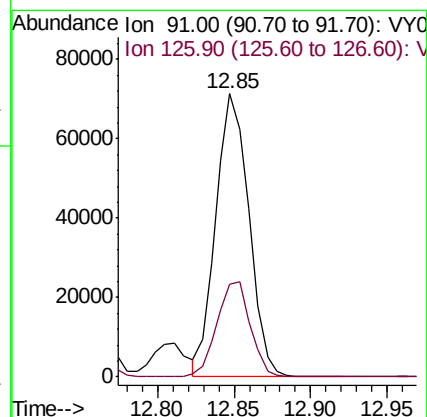
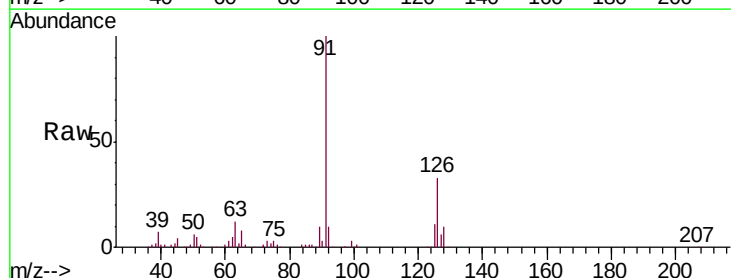
Acq: 11 Sep 2019 20:21

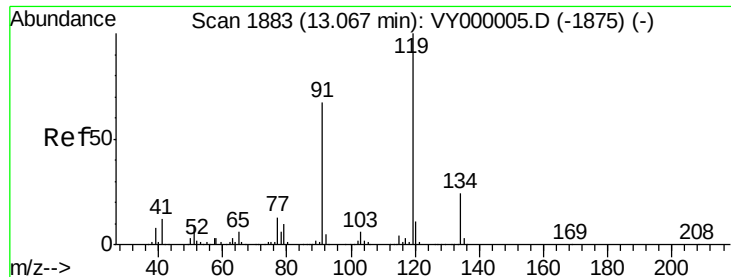
Tgt Ion: 91 Resp: 107599

Ion Ratio Lower Upper

91 100

126 33.8 17.0 50.9

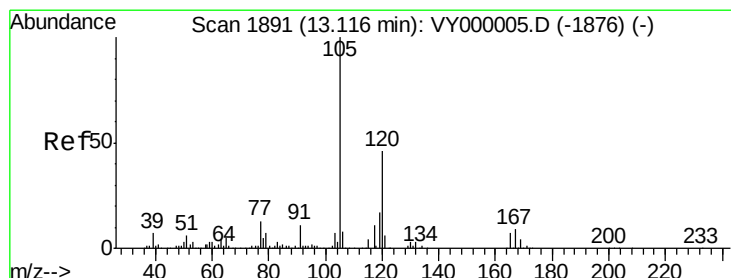
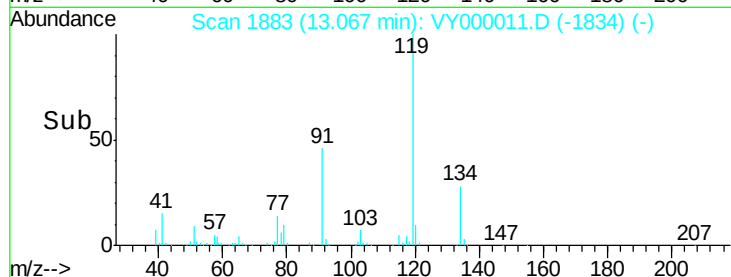
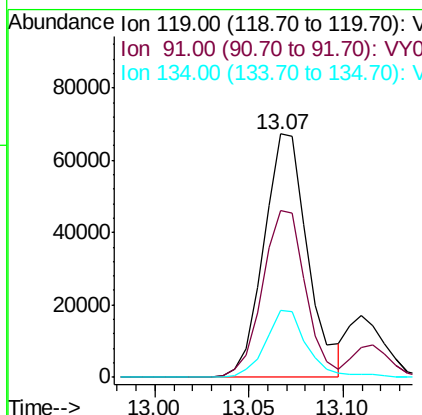
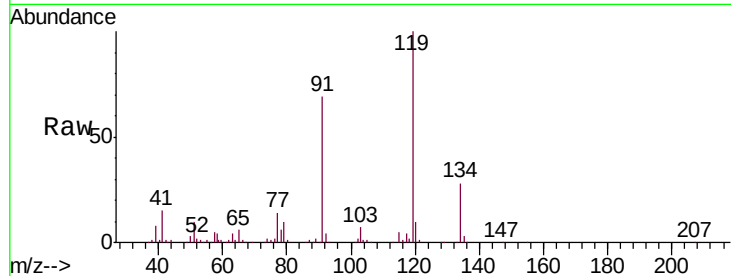




#83
 tert-Butylbenzene
 Concen: 22.214 ug/l
 RT: 13.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VY000011.D
 Acq: 11 Sep 2019 20:21

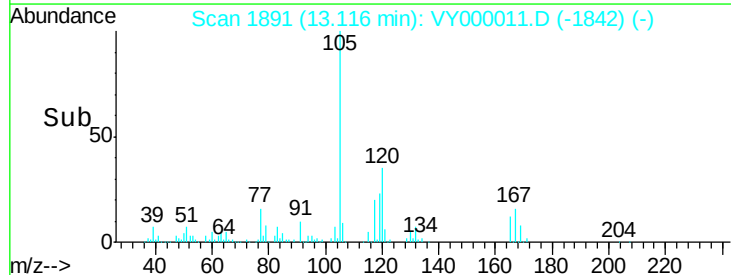
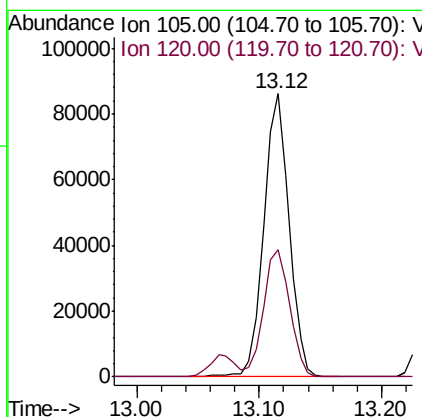
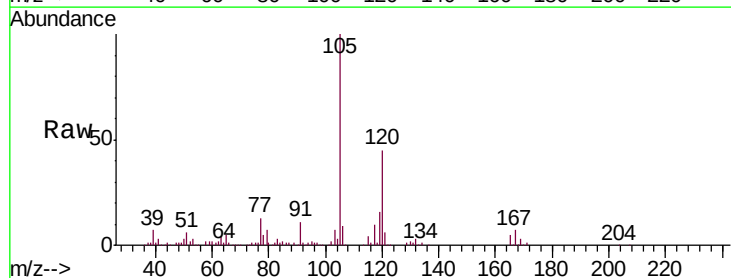
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0911SBSD01

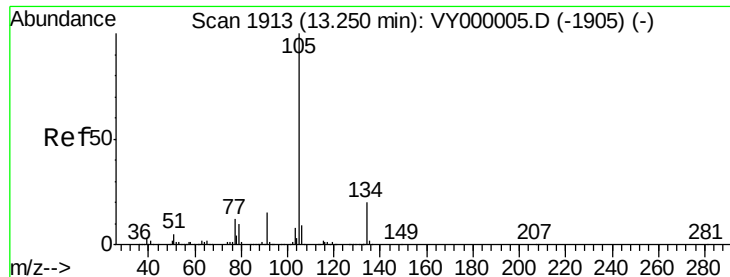
Tgt Ion:119 Resp: 108702
 Ion Ratio Lower Upper
 119 100
 91 66.9 33.6 100.8
 134 26.5 13.7 41.0



#84
 1,2,4-Trimethylbenzene
 Concen: 22.068 ug/l
 RT: 13.12 min Scan# 1891
 Delta R.T. -0.00 min
 Lab File: VY000011.D
 Acq: 11 Sep 2019 20:21

Tgt Ion:105 Resp: 124163
 Ion Ratio Lower Upper
 105 100
 120 46.7 22.8 68.3





#85

sec-Butylbenzene

Concen: 21.523 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

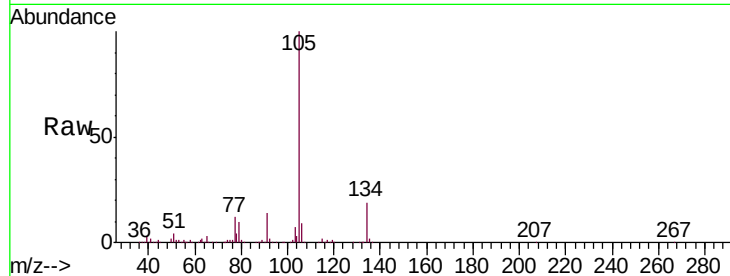
VY0911SBSD01

Tgt Ion:105 Resp: 156996

Ion Ratio Lower Upper

105 100

134 19.9 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

120000

100000

80000

60000

40000

20000

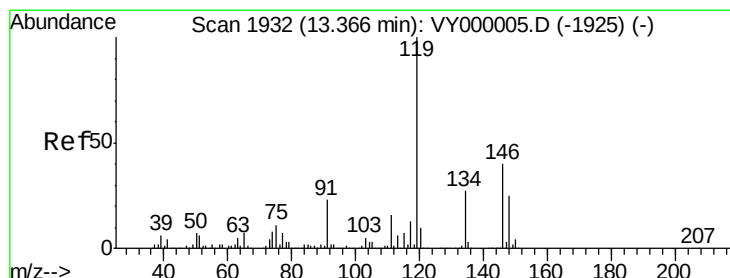
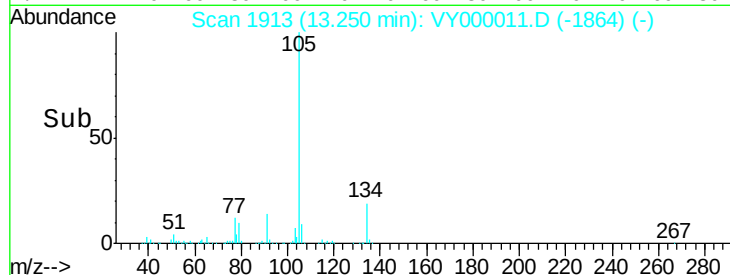
0

13.25

13.20

13.30

Time-->



#86

p-Isopropyltoluene

Concen: 21.515 ug/l

RT: 13.37 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

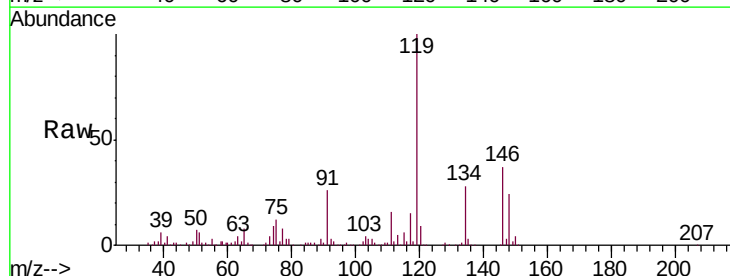
Tgt Ion:119 Resp: 132001

Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.1

91 25.8 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

120000

100000

80000

60000

40000

20000

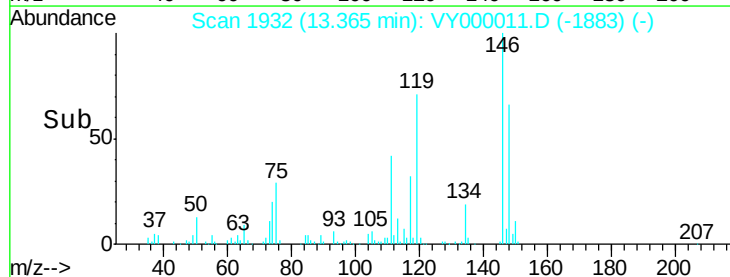
0

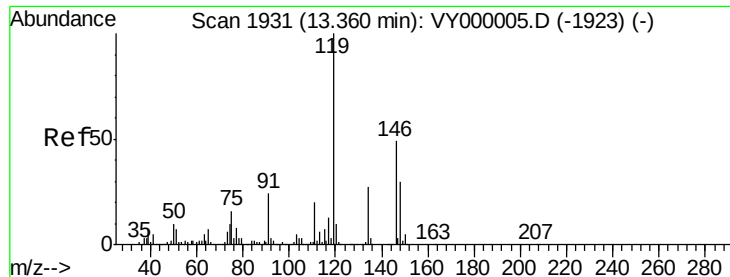
13.37

13.30

13.40

Time-->

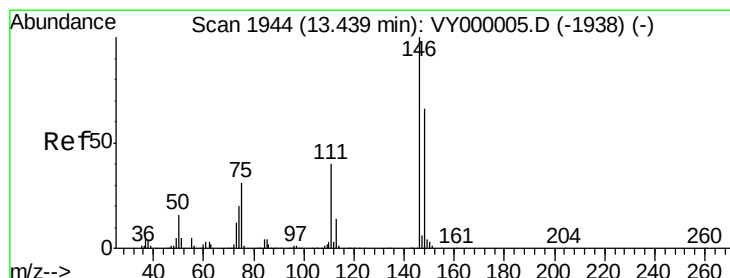
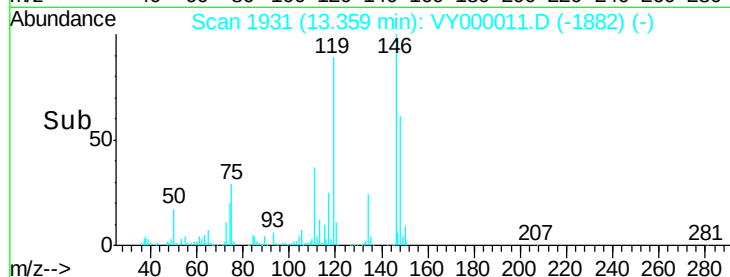
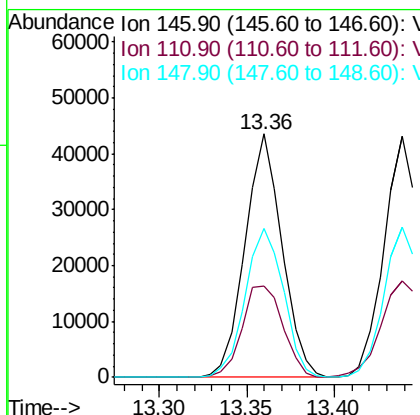
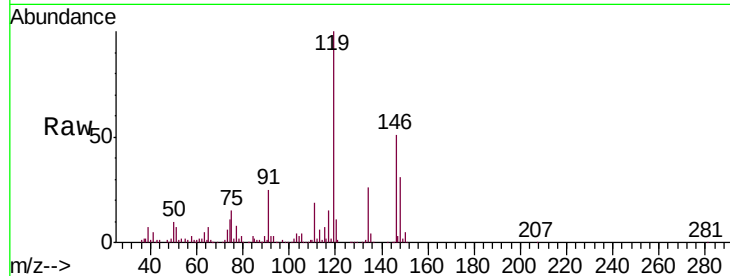




#87
 1,3-Dichlorobenzene
 Concen: 22.399 ug/l
 RT: 13.36 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VY000011.D
 Acq: 11 Sep 2019 20:21

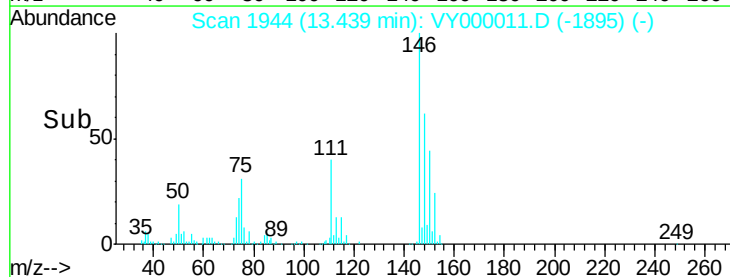
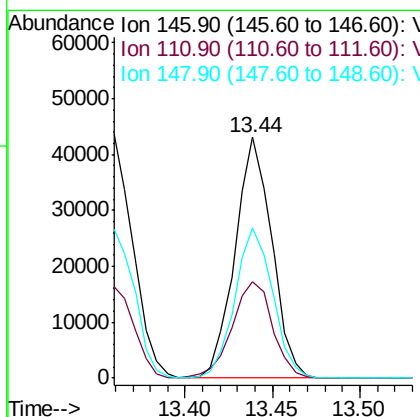
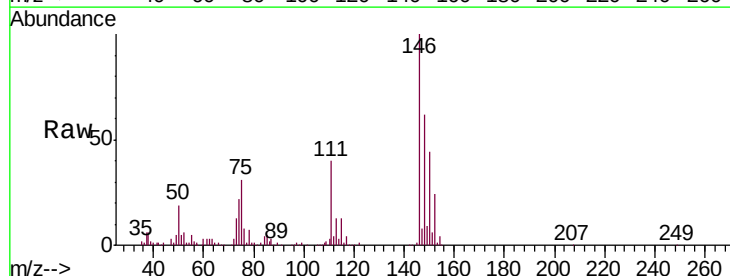
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0911SBSD01

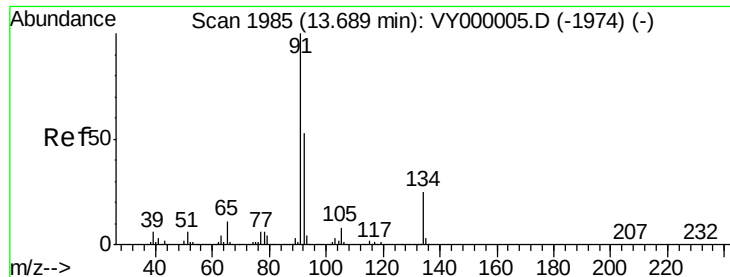
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.6	61.9
148	63.5	31.3	93.9



#88
 1,4-Dichlorobenzene
 Concen: 21.905 ug/l
 RT: 13.44 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VY000011.D
 Acq: 11 Sep 2019 20:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	20.3	60.9
148	64.1	31.9	95.7





#89

n-Butylbenzene

Concen: 21.304 ug/l

RT: 13.69 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0911SBS01

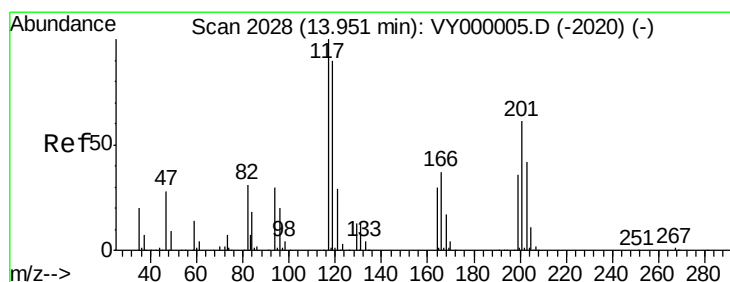
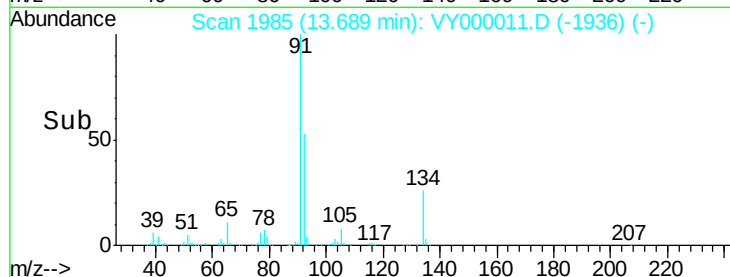
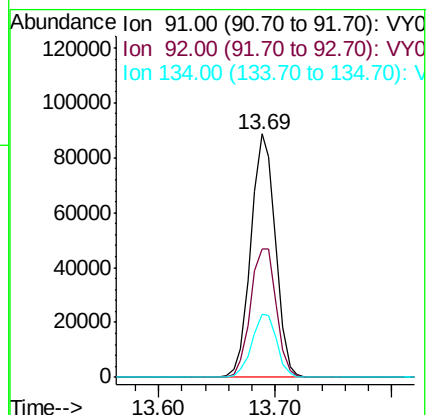
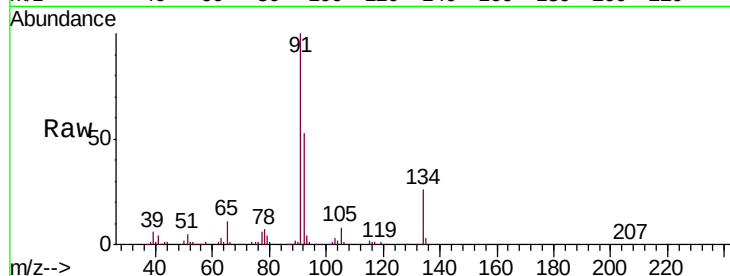
Tgt Ion: 91 Resp: 130610

Ion Ratio Lower Upper

91 100

92 55.4 27.0 80.8

134 26.3 12.7 38.0



#90

Hexachloroethane

Concen: 21.535 ug/l

RT: 13.96 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VY000011.D

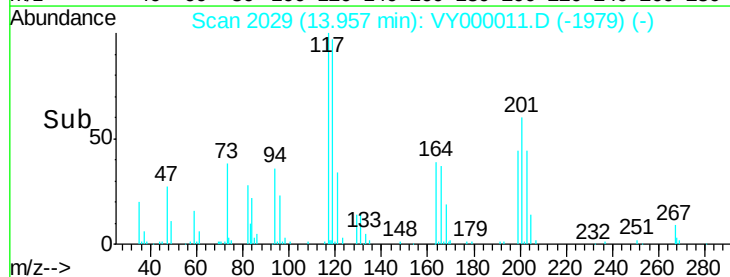
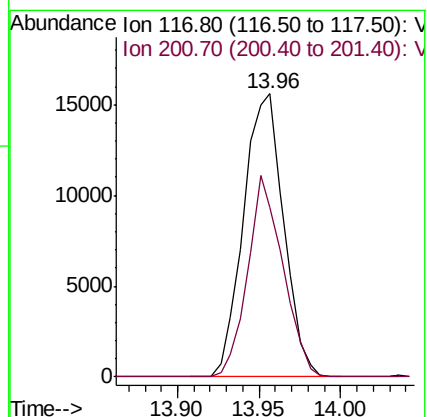
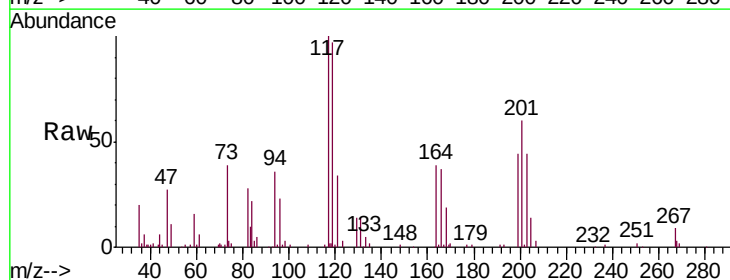
Acq: 11 Sep 2019 20:21

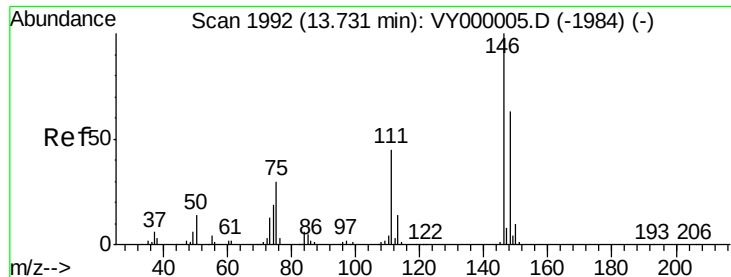
Tgt Ion: 117 Resp: 26730

Ion Ratio Lower Upper

117 100

201 62.3 32.3 96.8

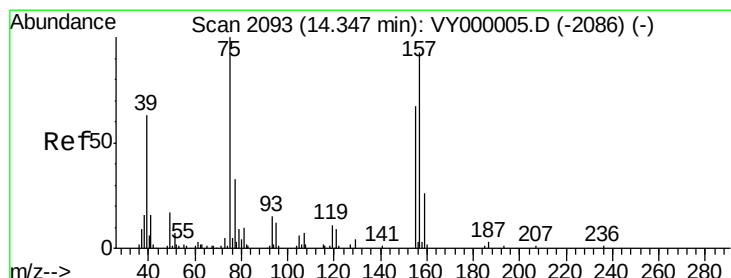
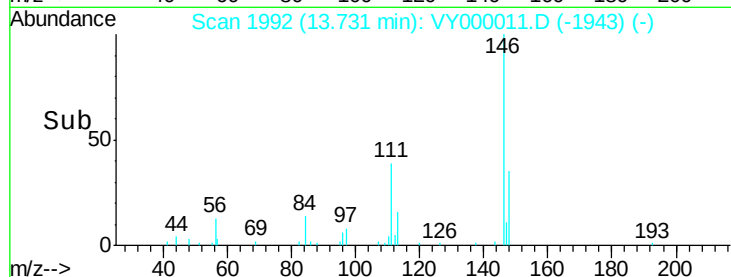
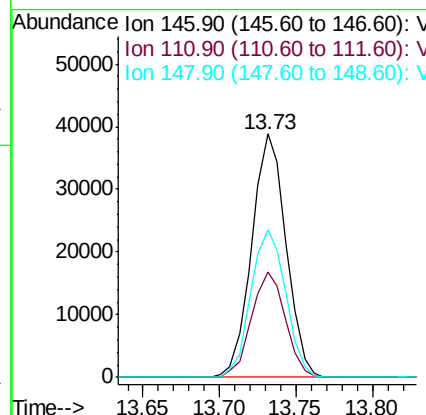
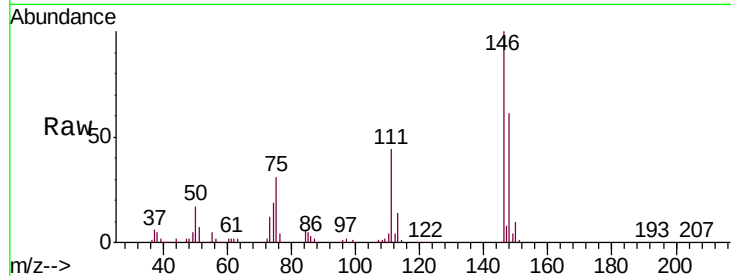




#91
 1,2-Dichlorobenzene
 Concen: 22.478 ug/l
 RT: 13.73 min Scan# 1992
 Delta R.T. -0.00 min
 Lab File: VY000011.D
 Acq: 11 Sep 2019 20:21

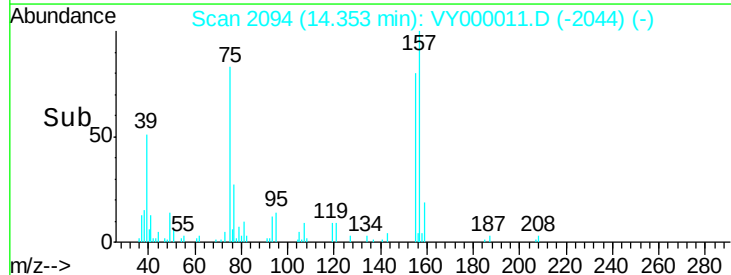
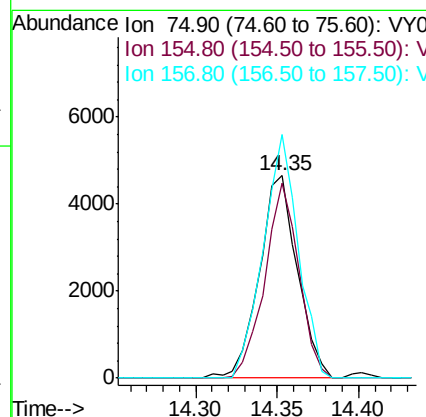
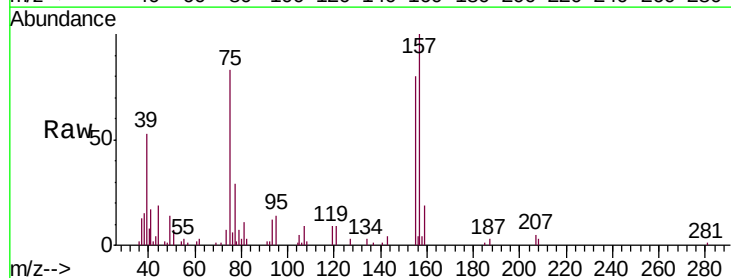
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0911SBS01

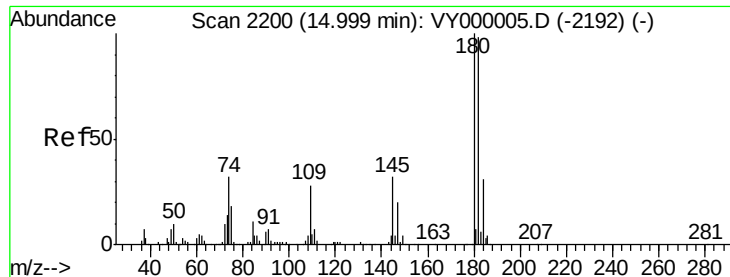
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.9	65.5
148	61.4	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.377 ug/l
 RT: 14.35 min Scan# 2094
 Delta R.T. 0.01 min
 Lab File: VY000011.D
 Acq: 11 Sep 2019 20:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.7	41.4	124.2
157	110.4	52.8	158.4

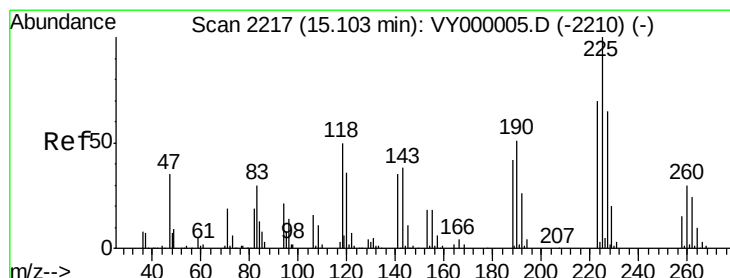
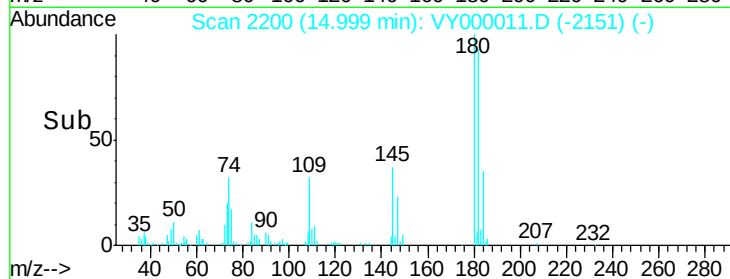
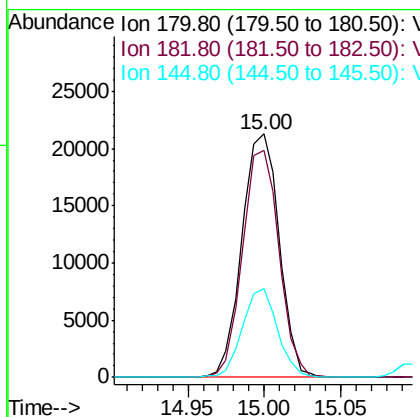
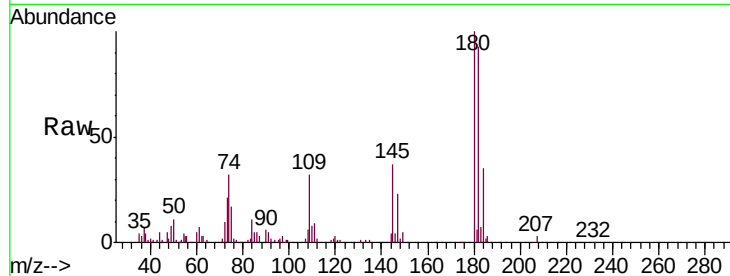




#93
 1,2,4-Trichlorobenzene
 Concen: 21.993 ug/l
 RT: 15.00 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: VY000011.D
 Acq: 11 Sep 2019 20:21

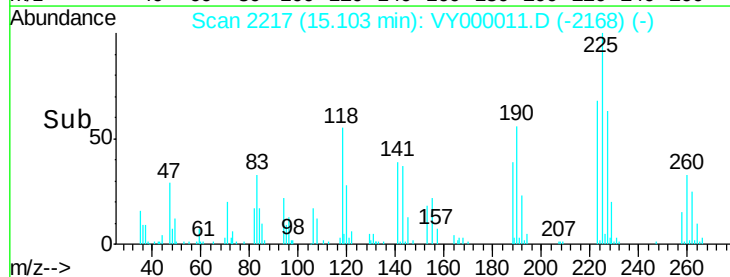
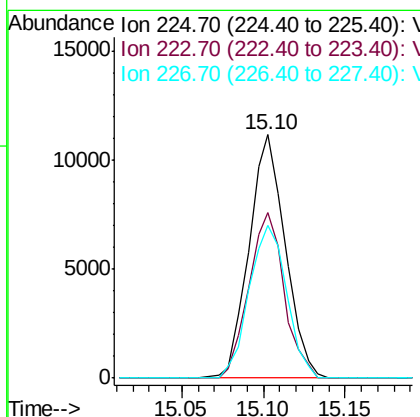
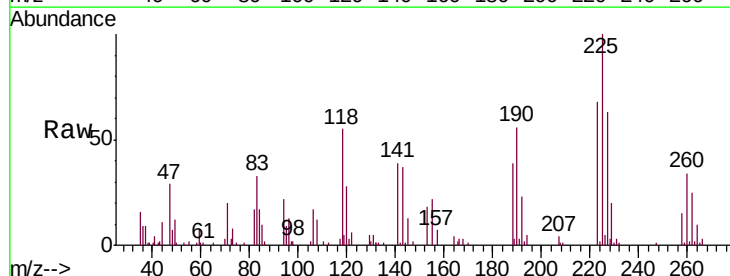
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0911SBSD01

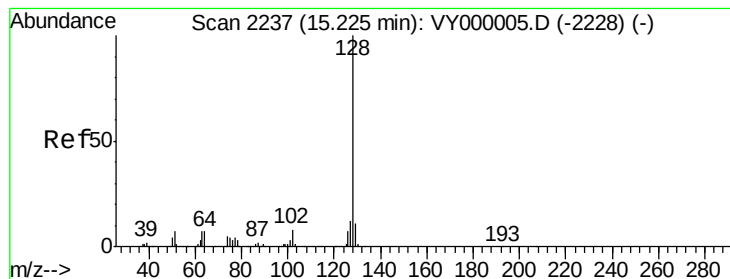
Tgt Ion:180 Resp: 36130
 Ion Ratio Lower Upper
 180 100
 182 91.2 48.4 145.2
 145 34.3 17.2 51.6



#94
 Hexachlorobutadiene
 Concen: 21.610 ug/l
 RT: 15.10 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: VY000011.D
 Acq: 11 Sep 2019 20:21

Tgt Ion:225 Resp: 17190
 Ion Ratio Lower Upper
 225 100
 223 66.2 32.3 96.8
 227 64.9 31.8 95.4





#95

Naphthalene

Concen: 24.196 ug/l

RT: 15.22 min Scan# 2237

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

Instrument :

MSVOA_Y

ClientSampleId :

VY0911SBS01

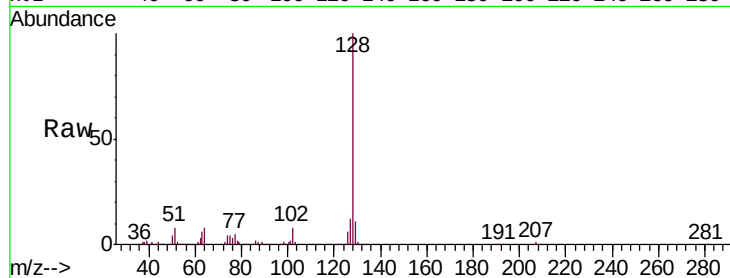
Tgt Ion:128 Resp: 108669

Ion Ratio Lower Upper

128 100

127 11.6 9.8 14.8

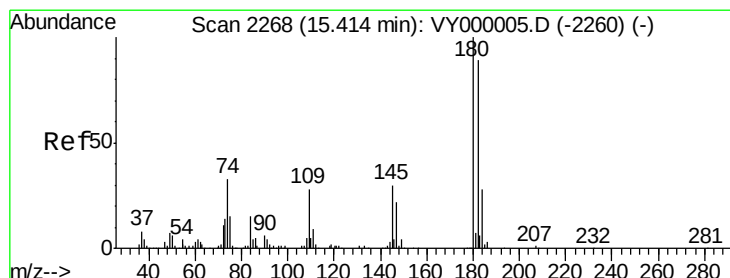
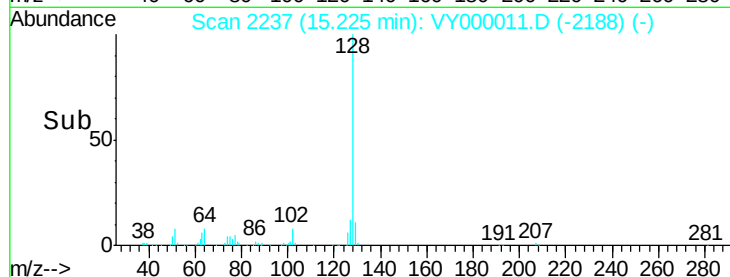
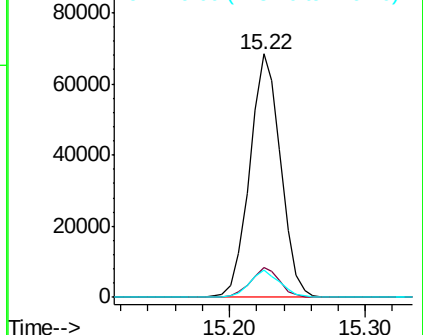
129 11.1 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.243 ug/l

RT: 15.41 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VY000011.D

Acq: 11 Sep 2019 20:21

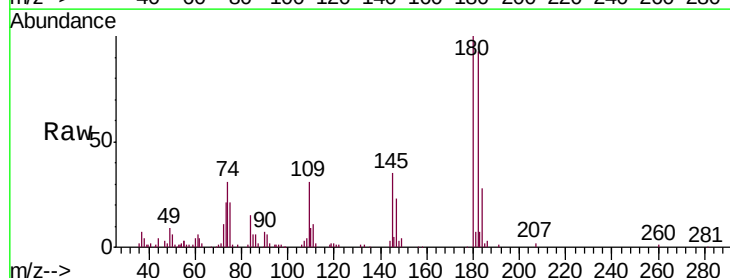
Tgt Ion:180 Resp: 34242

Ion Ratio Lower Upper

180 100

182 91.3 46.1 138.2

145 37.1 16.2 48.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

